Technical Report Documentation Page

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16. Abstract		
The Advanced Air T long-range investigatio air traffic and providi military, and general a study of the applicatio AATMS program. The pur extent of automation in and machine resources a to examine the propsect traffic management is c intensive activity.	raffic Management System on of new concepts and te ong services to the grow viation users of the nations of automation was und poses were to specify an AATMS, to estimate the ssociated with such a de ive employment of humans onverted from a labor-in	AATMS) program is a echniques for controlling ing number of commercial, tional airspace. This lertaken as part of the d describe the desirable requirements for man egree of automation, and and automata as air ntensive to a machine-
Volume V describes documentation of the DE tion) computer simulati Applications Study. Vo test case results. Vol	the DELTA Simulation Mo LTA (Determine Effective on developed by TRW for lume VA includes a user ume VB includes a progra	odel. It includes all e Levels of Task Automa- use in the Automation 's manual, test case, and ammer's manual.
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CONTENTS - VOL. VA

Sec	tion .	Page
1.0	INTRODUCTION	1.0-1
2.0	CONCEPT	2.0-1
	<ul><li>2.1 Kinematic and Error Algorithms</li><li>2.2 Metering and Sequencing Algorithm</li><li>2.3 Separation Assurance</li></ul>	2.1-1 2.2-1 2.3-1
3.0	INPUT DATA SPECIFICATION	3.1-1
	<ul><li>3.1 Methodology</li><li>3.2 Nomenclature</li><li>3.3 Data Specifications</li></ul>	3.1-1 3.2-1 3.3-1
4.0	CARD DECK PREPARATION	4.1-1
	4.1 Data Preparation 4.2 Job Stream Setup	4.1-1 4.2-1
5.0	OUTPUT REPORT SPECIFICATIONS	5.1-1
	<ul><li>5.1 Introduction</li><li>5.2 DELTA Run Summary</li><li>5.3 DELTA Post Processor Report</li></ul>	5.1-1 5.2-1 5.3-1
6.0	TEST CASE	6.1~1
	<ul> <li>6.1 Introduction</li> <li>6.2 Namelist Inputs for SFORAW</li> <li>6.3 List of Tape 5</li> <li>6.4 DELTA Summary Report</li> <li>6.5 DELTA Post Processor Report</li> </ul>	6.1-1 6.2-1 6.3-1 6.4-1 6.5-1
7.0	ERROR AND WARNING MESSAGES	7.1-1
	<ul><li>7.1 Introduction</li><li>7.2 SALSIM Diagnostics</li><li>7.3 DELTA Diagnostics Messages</li></ul>	7.1~1 7.2-1 7.3-1

i † †

# CONTENTS - VOL. VA (Continued)

Sect	tion	<u>Page</u>
8.0	TERMINAL GENERATION PROGRAM	8.1-1
	8.1 Introduction	8.1-1
	8.2 Sequence Route Input Specification	8.2-1
	8.3 Escape Route Input Specification	8.3-1
9.0	INTERARRIVAL TIMES GENERATION PROGRAM	9.0-1
10.0	POST PROCESSOR PROGRAM	10.0-1
APP	ENDIX REPORT OF INVENTIONS	A - 1

i v

١

LIST OF FIGURES - VOL. VA

Figure		Page
2.1-1	Illustration of the Shape of a Jurisdiction	2.1-2
2.1-2	Side Views of Two Jurisdictions Using the Inverted Wedding Cake Structure	2.1-3
2.1-3	Top View of Sample Jurisdiction	2.1-5
2.1-4	Example of Jurisdiction	2.1-11
2.1-5		2.1-14
2.2-1	Examples of Terminal Structures	2.2-2
2.3-1	System Design - Hazard Evaluation	2.3-9
2.3 <b>-</b> 2	System Design - Conflict Resolution	2.3-14
2.3-3	System Design - Resume Course Event	2.3-22
3.1-2	Tape5 Data Organization	3.1-2
5.2-1	DELTA Run Summary, First Page	5.2-3
5.2-2	DELTA Run Summary, Example 1	5.2-4
5.2-3	DELTA Bun Summary, Exmaple 2	5.2-6
5.2-4	DELTA Run Summary, Example 3	5.2-8
5.3-1	Post Processor Task Summary by Jurisdiction	5.3-3
5.3-2	Post Processor Aircraft Summary, Example 1	5.3-4
5.3-3	Post Processor Aircraft Summary, Example 2	5.3-5
8.1-1	Procedures for Running Terminal Generation Program on CDC 6X00/TSS	8.1-2
9.0-1	Sample Input and Corresponding Output Produced by SDATA	9.0-2

# LIST OF TABLES - VOL. VA

•

.

Table		Page
2.1-1	JURISDICTION DATA FOR EXAMPLE IN FIGURE 2.1-3	2.1-6
2.1-2	INPUT DATA FILE FOR JURISDICTION DATA	2.1-7
4.2-1	JOB STREAM SETUP FOR DELTA SIMULATION AND POST PROCESSOR	4.2-2

# LIST OF FIGURES - VOL. VA

Figure		Page
2.1-1	Illustration of the Shape of a Jurisdiction	2.1-2
2.1-2	Side Views of Two Jurisdictions Using the Inverted Wedding Cake Structure	2.1-3
2.1-3	Top View of Sample Jurisdiction	2.1-5
2.1-4	Example of Jurisdiction	2.1-11
2.1-5		2.1-14
2.2-1	Examples of Terminal Structures	2.2-2
2.3-1	System Design - Hazard Evaluation	2.3-9
2.3-2	System Design - Conflict Resolution	2.3-14
2.3-3	System Design - Resume Course Event	2.3-22
3.1-2	Tape5 Data Organization	3.1-2
5.2-1	DELTA Run Summary, First Page	5.2-3
5.2-2	DELTA Run Summary, Example 1	5.2-4
5.2-3	DELTA Bun Summary, Exmaple 2	5.2-6
5.2-4	DELTA Run Summary, Example 3	5.2-8
5.3 <b>-1</b>	Post Processor Task Summary by Jurisdiction	5.3-3
5.3-2	Post Processor Aircraft Summary, Example 1	5.3-4
5.3-3	Post Processor Aircraft Summary, Example 2	5.3-5
8.1-1	Procedures for Running Terminal Generation Program on CDC 6X00/TSS	8.1-2
9.0-1	Sample Input and Corresponding Output Produced by SDATA	9.0-2

4

1

# LIST OF TABLES - VOL. VA

1

Table			Page
2.1-1	JURISDICTION DATA FOR EXAMPLE IN FIGURE 2.1-3	i.	2.1-6
2.1-2	INPUT DATA FILE FOR JURISDICTION DATA		2.1-7
4.2-1	JOB STREAM SETUP FOR DELTA SIMULATION AND POST PROCESSOR		4.2-2

.

ī.

Page 1.0-1

## 1.0 INTRODUCTION

This is Volume V-Book I of a five volume report produced for the Automation **Applications** Study of the Advanced Air Traffic Management System This volume describes the DELTA (Determine Effectiveness Levels for Task Automation) digital computer simulation model. The volume is divided into two books: Book I - User's Guide and Book II - Programmer's Guide.

The User's Guide is designed to permit an analyst to understand what the model simulates and how to exercise the model. It discusses the concepts from which the model was constructed. A complete input data specification and deck setup is described to show how cases are set up. A test case is provided to show how a case would look. Several auxiliary programs which are used to produce input files are described along with the Post Processor Program which is used to produce an additional output report for the DELTA model.

The Programmer's Guide is designed to give a programmer insight as to how the DELTA model was built and to enable him to make extensions or modifications to the model's code. There is a general discussion of the program structure and a description of the link structure and the system considerations.

There are detailed descriptions of the subroutines and the dynamic memory file structures. Samples of overlay structures are given and a list of subroutines which reference the files is shown.

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Page 2.0-1

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#### 2.0 CONCEPTS

The DELTA Model was designed to facilitate the analysis of air traffic management systems with primary emphasis on the utilization of the resources required to support such systems. This section will provide an explanation of the facilities and concepts making up the model. The model is based upon a highly generic functional analysis of air traffic control functions. For this reason, it is very generic itself, not tied to any particular air traffic management system, but capable of describing a wide variety of system concepts. For a description of this functional anlaysis, the reader is referred to Volume II of this report.

The model is composed of two principle portions: the functional analysis tasks and the algorithms. The algorithms are responsible for the motion of the aircraft through the system. They are discussed in some detail later in this section. The details of the functional analysis are to be found in Volume II of this report. Basically, the functional analysis began with seventeen functions, which were then broken into subfunctions. These subfunctions were subsequently subdivided into tasks. The task was defined to be the largest unit of work for which the man/ machine allocation determination was to be made.

The systems to be modelled are composed of men, machines and aircraft. The control functions are assigned to positions or "resource pools", in the terminology of the model. Each resource pool is assigned to a "jurisdiction", which is analogous to a control position assigned to a sector. Within the resource pool, the individual "resource element" is the performer. There are two types of resource pools: manual pools, containing one or more manual resource elements representing individual controllers belonging to particular job categories; and automated resource pools, containing an individual computer with a characteristic processing rate or speed.

Each task is assigned to one and only one resource pool per jurisdiction. The tasks are prioritized and task queues are generated should a backlog of tasks awaiting performance exist. The aircraft in the system are assigned to one and only one jurisdiction at a time, depending upon their location. They may change jurisdictions as they transit the system geography. Resource utilization information is maintained on the resource element level.

The model treats eight phases of flight for the aircraft. These are as follows:

- 1. Preflight the time from entering the system (before takeoff) and being given permission to takeoff
- Takeoff the time from being given permission to takeoff and leaving the runway
- 3. Departure Transition the time from leaving the runway and being picked up by en route control
- En Route the time between leaving the departure airport and arriving in the arrival airport metering and sequencing pattern
- 5. Arrival Transition the time between being placed in the metering and sequencing queue and being placed in the runway queue at the feeder fix arrival
- Approach the time the aircraft flies down the approach route, from the feeder fix to the gate and on to touch down
- 7. Landing the time from touch down to leaving the runway
- 8. Missed Approach the time from leaving the approach route to arriving at the feeder fix

The aircraft serve primarily as work initiators or service requestors. Each aircraft in the system under consideration requires certain controller attention, and is, therfore, responsible for using some amount of the resource pools' capabilities. For this reason, the aircraft have not been modelled in great detail with respect to kinematics. Their main purpose is to activate the functional tasks by requiring work.

The description of a particular air traffic management concepts is done through input to the model. By assigning tasks to manual or automated resource pools and defining the time requiements or instruction counts, responsible resource pool, and priority for each task, the user defines the system to be studied. By defining the geographic limits of the jurisdictions, the user controls the structure of the area under consideration. The user then determines the traffic loading for which the system will be exercised by defining the flight plans to be input. The user may cause

# Page 2.0-3

emergencies and other exogenous events to determine how the system would react to such events. The model inputs and outputs are described in Section 3 and 5 of this volume.

It is through strict adherence to the genericity of the analysis that no changes in the software need be made in order to model a variety of air traffic management concepts. This places a heavy burden upon the user to define the system through inputs. It does, however, provide a flexible and useful tool to estimate the resource requirements of systems under study.

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#### 2.1 KINEMATIC AND ERROR ALGORITHMS

# 2.1.1 Jurisdiction

This section describes the jurisdiction geography and how to express this geography in the input file. Each jurisdiction defines an air space. It must be a right polygonal figure. Thus, each jurisdiction has the following properties:

- The sides are planar and are perpendicular to the ground
- The floor and ceiling are planar and are parallel to the ground
- A jurisdiction has no limit on the number of sides
- The shape of the floor and ceiling are arbitrary, i.e., these need not be convex.

Figure 2.1-1 illustrates the shape of a jurisdiction.

A jurisdiction can be made to slant by stacking right polygonal figures upon each other. Figure 2.1-2 illustrates this concept. It is called the "inverted wedding cake structure."

The input file contains data for defining the geographical structure of jurisdictions. This file contains the following information for each jurisdiction:

- Number of jurisdictions
- Maximum number of aircraft allowed in a jurisdiction
- Initial number of elements per resource pool
- Maximum number of elements per resource pool
- Indicator of resource type, manual or automated
- Altitude (feet) of the floor and ceiling of the jurisdiction
- (x,y) coordinates (n.mi) of the floor vertices (same as ceiling coordinates)
- Listing of jurisdictions adjacent to floor, ceiling, and each side of jurisdiction.

Going clockwise around the floor vertices, each vertex has associated with it a list of jurisdictions contiguous to the side of the vertex.



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For example, point 4 of jurisdiction A in Figure 2.1-3 has associated with it the contiguous jurisdictions B and C listed in any order. The list would also have included any jurisdictions above or below B and C if they shared any side with jurisdiction A. The user can start at any vertex of a jurisdiction floor in moving clockwise, but must not repeat the first point in this list.

The list of jurisdictions contiguous to the floor or ceiling of a jurisdiction can be specified in any order.

Following are the formats for input data. A sample data file is shown in Table 2.1-2 for the San Francisco (SFO) area.

		<u>Data Items</u>	Format
н 1	Γ	Quantity of jurisdictions, j Quantity of resource pools, r	(2110)
	,	Jurisdiction name, left justified Capacity of jurisdiction, if terminal-negative, number of runways Ceiling altitude (feet) Floor altitude (feet)	(A4, 1X, I10, 2F10.3)
j times j <u>&gt;</u> ]		(This card present only if juris- diction is a terminal) Random access record number on TAPE30 for terminal sequence route data Probability of missed approach	(I10, F10.0)
	r times r <u>&gt;</u> l	Initial number of elements per resource pool Maximum number of elements per resource pool Indication of resource type (MAN = manual, AUT = automated)	(2110, 1X, A3)
	-		





FIGURE 2.1-3 TOP VIEW OF SAMPLE JURISDICTION

		POINT NUMBER NOT NECESSARY	POI	NTS	ALTI	TUDES	ADJACENT
NAME	LETTER	FOR INPUT	x	У	UPPER	LOWER	SECTORS
Menlo Final	A	1 3 4	632.4 647.8 64.14	457.0 448.2 432.0	50,000	0 -	D, E B B, C
So. Feeder	В	3 6 7 8 5 4	647.8 650.1 602.8 604.1 635.5 641.4	448.2 420.6 433.4 445.8 448.2 432.0	50,000	0	D C D, E C A A
Sutro	C	1 5 8 9 10	632.4 635.5 604.1 608.8 632.1	457.0 448.2 445.8 468.0 468.0	50,000	0	A B D, E E E
So. Enroute	D	11 12 13 14 15 1.6 7 6 3	644.8 760.0 550.0 550.0 604.6 602.8 650.1 647.8	450.0 450.0 350.0 450.0 450.0 433.4 420.6 448.2	50,000	0	E - E B B B B
No. Enroute	Ε'	16 15 17 18 12 11 1 10 9	604.6 550.0 550.0 760.0 760.0 644.8 632.1 632.1 608.8	450.0 450.0 550.0 450.0 450.0 468.0 468.0 484.5	50,000	0	D - - D A C C C C

TABLE 2.1-1 JURISDICTION DATA FOR EXAMPLE IN FIGURE 2.1-3

A		5 2 2 2	50	5 50000.00 3 MAN 3 MAN 3 MAN		.000	NO. OF JURIS., NO. OF RES. POOLS JURIS. ID, CAPAC., CEIL & FL ALI RESOURCE POOLS:
В		2 12 2 2 2	50	3 MAN 50 AUT 50000.00 3 MAN 3 MAN 3 MAN		.000	JURIS. ID, CAPAC., CEIL & FLT ALT RESOURCE POOLS:
С		2 12 2	50	3 MAN 50 AUT 50000.00 3 MAN 3 MAN		.000	JURIS. ID, CAPAC., CEIL & FL ALT RESOURCE POOLS:
D		2 12 2 2	50	3 MAN 3 MAN 50 AUT 50000.00 3 MAN 3 MAN		.000	JURIS. ID, CAPAC., CEIL & FL ALT RESOURCE POOLS:
E	-	2 2 12 2 2	50	3 MAN 3 MAN 50 AUT 50000.00 3 MAN 3 MAN		.000	JURIS. ID, CAPAC., CEIL & FL ALT RESOURCE POOLS:
A	3	2 2 12	532.4	3 MAN 3 MAN 50 AUT 457.0	2		JURIS. ID, NO. OF FLOOR VERT. X & Y COORD., NO. ADJ. JURIS.
		e	547.8	448.2	D E 1 B		ADJACENT JURISDICTION ANOTHER ADJ. JURIS.
	0	6	541.4	432.0	2 B C		NO. OF JURIS. ADJ. TO CEIL.

TABLE 2.1-2 INPUT DATA FILE FOR JURISDICTION DATA

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TABLE 2.1-2 INPUT DATA FILE FOR JURISDICTION DATA (Cont'd)

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R	6			
D	U	647.8	448.2	]
		650.1	420.6	ע ן ח
		602.8	433.4	ע 2 ת
		604.1	445.8	E 1 C
		635.5	448.2	1
		641.4	432.0	1
c	0 0			А
ι	D	632.4	457.0	1
		635.5	448.2	A ]
		604.1	445.8	в 2 Д
		608.8	484.5	Ē ]
		632.1	468.0	1
	0 0			E

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# TABLE 2.1-2 INPUT DATA FILE FOR JURISDICTION DATA (Cont'd)

D

Ε

9	644.8	450.0	1
	760.0 760.0 550.0 550.0	450.0 350.0 350.0 450.0	
	604.6	450.0	1
	602.8	433.4	1
	650.1	420.6	р 1 р
	647.8	448.2	1 B
0 0			Ъ
9	604.6	450.0	l D
	550.0 550.0 760.0 760.0	450.0 550.0 550.0 450.0	0 0 0 1
	644.8	450.0	ם ז 1
	632.4	457.0	A 1
	632.1	468.0	1
	608.8	484.5	1
0			L

0 0

<

		Data Items Cont'd	Format
		Jurisdiction name, left justified Number of floor vertices, V	(A4, I3)
V V Sec	V times V <u>&gt;</u> 1 See dis- cussion for aj times order aj <u>&gt;</u> 0	<ul> <li>x - coordinate of vertex</li> <li>y - coordinate of vertex</li> <li>Number of jurisdictions adjacent</li> <li>to vertex, OK asis aj</li> </ul>	(5x, 2F10.3, I3)
i times of		Name of adjacent jurisdiction to vertex, left justified	(24x, A4)
$j \ge 1$ ver	rtices	Number of jurisdictions adjacent to ceiling, c	(4x, I3)
	c times c <u>&gt;</u> O	Name of jurisdiction adjacent to ceiling, left justified	(24x, A4)
		Number of jurisdictions adjacent to floor, f	(4x, I3)
	f times f <u>&gt;</u> 0	Name of jurisdiction adjacent to floor, left justified	(24x, A4)

Figure 2.1-4 shows an example of a jurisdiction. There are four jurisdictions, C, D, E and combined A and B. Although shapes A and B are acceptable right polygons, the combined shape of A and B is not a right polygon.

## 2.1.2 Aircraft Motion

Subroutine MOVAC is responsible for all aircraft motion outside the terminal area. The subroutine is concerned with holding patterns, conflicts in flight schedules, jurisdiction boundary crossings, change in phases of flight, speed and navigational errors, tolerance corrections, turns in flight plan, aircraft velocities, and aircraft positions.

MOVAC is evoked in three ways. Firstly, at a time frequency set by the user, MOVAC schedules aircraft motion events for each aircraft up until the beginning of the next update time interval or until the next turn, whichever comes first.







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Secondly, these scheduled events are processed by MOVAC for indiviual aircraft as they occur in simulation time. After each aircraft turns, MOVAC again schedules events for MOVAC up to the next turn or until the end of the current update time period. This recursive technique approximates quite adequately continuous aircraft motion.

Lastly, subroutines external to MOVAC schedule aircraft motion events for individual aircraft to be updated by MOVAC.

Following is the list of events triggering MOVAC and the resulting action by MOVAC. The motion events scheduled by MOVAC are jurisdiction boundary crossing, aircraft turning, and an aircraft flight plan being rescheduled due to a tolerance problem.

### EVENT

Periodic update of all aircraft occurs. Planted by INITIA initially and subsequently by MOVAC itself.

Single aircraft is removed from metering and sequencing hold. Planted by MOVAC to occur at removal time.

Single aircraft crosses a jurisdiction boundary. Planted by BNDRY or ACJBC2 subroutines of MOVAC.

A single aircraft incurs a conflict in its flight plan. Planted by subroutine CONDET, which discovers the conflict and modifies the aircraft flight plan.

A single aircraft reaches its next fixed point in its flight plan. Planted by CRASH, a subroutine of MOVAC, to occur at turn time.

A single aircraft reaches feeder fix. Planted by subroutine UDPOF.

#### ACTION

Move all aircraft not in a holding pattern. For each aircraft, Schedule motion events for time until next turn or until the end of current update cycle, whichever comes first.

Action is same as for periodic update above, but for this aircraft only.

Count of aircraft in each jurisdiction is adjusted. The aircraft is moved to its new jurisdiction at this time by subroutine T13301.

Cancel scheduled motion events for this aircraft in the current update cycle. Reschedule aircraft motion events for this aircraft on its new flight plan until its next turn or until the end of the current update cycle, whichever occurs first.

Change aircraft direction and velocity. Schedule a call to MOVAC to generate motion events for this aircraft.

Move the specified aircraft to its feeder fix.

#### EVENT

A single aircraft is out of tolerance. Detection by subroutine T07401 which calls TOLFX5, a subroutine of MOVAC.

#### ACTION

If the tolerance problem can be solved by altering the flight plan of the aircraft, TOLFX5 cancels all motion events for aircraft, alters the flight plan, and plants a call to MOVAC to reschedule the aircraft motion events until its next turn or until the end of the current update cycle, whichever occurs first.

A single aircraft takes off (i.e., changes its phase of flight from preflight to flight). Planted by subroutines UDPOF T03000, or T04401. Initialize current velocity from zero to the intended velocity of aircraft between its first and second fixed point in its flight plan.

Following is a description of operations performed by MOVAC whenever an event above occurs.

#### OPERATION

Check if aircraft metering and sequencing or en route hold is necessary.

An aircraft approaches terminal area.

Perform operation if aircraft has not yet been processed by metering and sequencing.

A single aircraft flies out of system.

#### ACTION

If a hold is necessary, delay arrival times at fixed points in flight path. Place aircraft in appropriate type of hold.

Plant call to UDPOF to update phase of flight from "en route" to "approach". Place the aircraft in the arrival queue for metering and sequencing.

A flight area is projected for aircraft, considering its navigational and speed errors. This area is used by CONDET to determine if any flight conflict exists.

Plant a call from subroutine BNDRY to subroutine CANAC to cancel the aircraft from the system. Print an appropriate message.

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#### 2.1.3 Error Model

The DELTA error generating model consists of two subroutines. One of these, FUNCTION SPEEB, calculates a speed bias for the aircraft; the other SUBROUTINE ACNE, calculates the navigation error of the aircraft.

(1) FUNCTION SPEEB

FUNCTION SPEEB calculates a new speed bias for an aircraft. Three of the arguments are D1, D2, and the current value, VDEV, of the bias (or velocity deviation) for the specific aircraft. D1 and D2 are inputs, see p. 3.3-10. The new VDEV value is drawn from a distribution that is uniform between -D1 and +D1, with a height of 1/(D1+D2), and is triangular from -D1 to -D2 and from D1 to D2. (See Figure 2.1-5)



The fourth and final argument of the function is ILK. If ILK = 1, the new VDEV is drawn in a manner that is constrained by the current VDEV value. If ILK = 0 no such constraint is enformed. This value of ILK is set in the routine which calls SUBROUTINE SPEEB.

It should be noted that this bias is held constant between consecutive corrections of the speed error.

(2) SUBROUTINE ACNE

This subroutine calculates the navigation error expressed as the positional error (EX, EY, EZ). There are basically three types of errors that are applied in simulating aircraft motion from point to point.



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Constant error navigation system (such as a satellite). Indicated by IERR = 1.

Error grows with passage of time, but doesn't improve. Indicated by IERR = 2.



Current system, in which plane has best information about position when passing over a navigation aid. This type of error is indicated within the subroutine by setting the variable IERR>2.

For each of these three error types, the errors applied to a given aircraft form an autocorrelated time series (within the time interval between two successive resettings of the error to 0).

These errors are summarized as follows:

a. NAVIGATION ERROR, CONSTANT σ

Formula For Generating Error

Error sampled from normal ( $\mu = 0, \sigma$ ), and autocorrelated with past observation by smoothing weight of  $\alpha$  (0< $\alpha$ <1).

Uses

Yields erroneous positions (explicitly) and (implicitly) erroneous headings. Can cause current deviations from tolerances.

b. NAVIGATION ERROR, ZERO AT FIX POINT, INCREASING  $\sigma$  UNTIL NEXT FIX POINT Formula For Generating Error

Error sampled from normal  $[\mu = 0, \sigma = (\sigma_{max})*(1-e^{-K(t-t_s)})]$ , where

K = a shape parameter, t = current time, and  $t_s$  = time aircraft passed starting point of current leg between Fix points). Autocorrelated (by using  $\alpha$ ) with last previous error. If last previous error was found before or at  $t_s$ , last previous error is set = zero before autocorrelating with latest sample.

<u>Uses</u>

Same as a.

c. NAVIGATION ERROR, ZERO AT FIX POINTS,  $\sigma$  increases and then decreases along each leg between consecutive fix points

Formula For Generation Error

 $\sigma$  here =  $[\sigma \text{ for } 2.] * [e^{-K_3(t_f - t)}]$ , where  $t_f$  = finish time for aircraft on current leg. Otherwise, identical to b.

Uses

Same as a.

The following variables appear in the calling list for SUBROUTINE ACNE.

IERR Error indicator for each aircraft. This specifies which of the three types of errors is being applied for this aircraft.

A Autocorrelation coefficient

AK Shape parameter for the error used. AK>O.

(SMAX, SMAY, SMAZ) Maximum sigma necessary to generate error

the flight plan.

next fixed point.

Present time

TFIXL

TNØW

TFIXN

DELT

(EX, EY, EZ)

Error computed by ACNE.

Time given aircraft passes the fixed point on

Time aircraft is scheduled to arrive at the

Time increment being used when ACNE is called.

# 2.2 METERING AND SEQUENCING ALGORITHM

## 2.2.1 Terminal Structure

in the figure in a dashed line.

Each modeled terminal is considered by the Metering and Sequencing (M&S) algorithm to be one jurisdiction. Arriving traffic enters these jurisdictions through points called Feeder Fixes. (Initially, all aircraft flight plans end at a specific Feeder Fix (FF) at a specific terminal. The M&S algorithm generates the remainder of the flight plan as shown below.) From each FF one or more Sequence Routes (SR's) carry traffic to the various runways. The SR's are the representations of the 3-dimensional flight paths flown by the aircraft from the FF's to runways, and each SR consists of a finite sequence of linear legs that are connected end to end. Each SR can lead to just one runway or can branch at a "branch point" (BP) to feed two or more separate runways and each SR can have one or more branch points. Each SR may be the only SR leading to one of its runways. or there may be two or more SR's feeding the same runway. In the latter case, the SR's must merge at a "merge point" that lies on an SR leg before the runway. Each runway at a given terminal is the last leg of an SR with no merge points or is the last leg of one of the unique paths through the SR and its set of merge points. Associated with each runway there is a "gate" located on the last leg of the SR path into that gate. Thus, each BP must precede the gates associated with the runways that the BP leads to. Aircraft that are departing from a terminal follow Departure Routes which are also sequences of linear legs and which lead into the en route flight paths. Each Departure Route (DR) has as its first leg one of the runways. For arriving aircraft that suffer missed approaches, there are Escape Routes (ER) associated with the SRs. The ER's are paths (piecewise linear) from specified points on SRs to specified FFs. An ER can lead from one SR to a FF for a different SR, but it must not be possible for an aircraft that was scheduled to use a particular runway and that suffers a missed approach to follow an ER and then not be able to get back to the same runway for which it was originally scheduled. Each SR can have one or more ERs originating on it and each FF can have one or more ER terminating at it. Some examples of Terminal Structures are shown in Figure 2.2-1. Each unique combination of SR and runway is called an SR/R and is enclosed



Note: The figures shown below are projections of 3-dimensional SR/R's onto the horizontal plane used to represent the Earth's surface.

## 2.2.2 Terminal Aircraft Motion

#### 2.2.2.1 Arriving Aircraft

For each arriving aircraft, the FF and runway to be used are prespecified (explicitly) and thus the SR to be used is specified (implicitly). The only decision variables are the Runway Arrival Time (RAT) and Runway Clear Time (RCT) for the aircraft. Since for each aircraft we know its "type" (by some categories set up), and since for each type there is a constant Runway Occupancy Time, and since RCT = RAT + ROT, the only true decision variable is RAT. Each aircraft scheduled to arrive at a given terminal is analyzed by M&S some (specified) time interval prior to the arrival of the aircraft at the FF. In this analysis, a block of time (= in length to the ROT for aircraft) is set aside for the aircraft on the runway the aircraft is to use. This scheduling may allow the aircraft to arrive on time (or within specified tolerances of "on time") or may require the aircraft to be held for a length of time which is determined by the algorithm. Holding of an arriving aircraft is required only when other aircraft (arrivals and/or departures) have already been scheduled for blocks of time (or slots) on the same runway so as to interfere with the slot for the arriving aircraft (i.e., the slot which allows the aircraft to arrive precisely on time).

If there are no other aircraft scheduled for the same runway (arriving and/or departing) interfering with its motion, an arriving aircraft will be assigned to a specific path through a specific SR/R and will have a specified velocity vector (in 3 dimensions) for each leg of the path. This SR/R path and associated velocity vector set is called the Nominal Path (NP) for the aircraft. The runway is the last leg in the NP for an arriving aircraft which will "vanish" from the algorithm once it has reached the end of the runway.

However, if other aircraft are already scheduled for the same runway and if their schedules interfere with the NP schedule of the new arrival (see Section 2.2.3 for a discussion fo the types of interference that can arise), then the NP is adjusted by changing (within specified bounds) the velocity vectors for the legs of the NP. The velocity vector changes are made implicitly by changing the time required for the aircraft to cover the NP. The maximum increase and decrease allowed in the nominal time are, respectively,  $T_R$  (for retard) and  $T_A$  (for advance). The quantities  $T_A$ and  ${\rm T}_{\rm R}$  and the way in which they are used are equivalent to the actual practice of maneuvering aircraft within some physical region about the ideal flight path (i.e., sending some aircraft out to the extreme points of the heading changes, while directing other aircraft to cut corners on certain heading changes, all for the purpose of sequencing the aircraft). Both  ${\rm T}_{\rm A}$  and  ${\rm T}_{\rm R}$  are initially positive quantities. The  ${\rm T}_{\rm A}$  represents the absolute maximum increase in net speed over the SR, while the  $T_{\rm R}$  represents the maximum allowable decrease in speed without forcing the aircraft to be held. If it is necessary because of interference from other aircraft already scheduled for the runway to hold an arriving aricraft in order to schedule it, then its  $T_{\mathbf{R}}$  will be exceeded by the actual retardation made in its schedule. Whatever use is made of  $T_A$  and  $T_R$  for an arriving aircraft, it is given one speed that carries it from the FF to the start of the runway. Thus, once the runway slot has been found, the corresponding speed is determined and this speed is used as the aircraft speed for all legs of the SR but the last one. The runway speed is found from the runway length and the ROT. If a no hold slot is found for the aircraft, the velocity associated with the slot is generally different from the standard velocity for the NP. But for a hold solution, the velocity chosen for the aircraft is precisely the standard velocity since holding the aircraft takes care of any scheduling problems for the runway.

Since the last leg of the aircraft's flight coincides with the runway, it is necessary that the length of the leg = (the nominal speed for the aircraft in the SR) x (the ROT).

## 2.2.2.2 Departing Aircraft

For each departing aircraft, the runway to be used is prespecified as is the sequence of fix points making up the Departure Route. The decision variables for departures are the RAT and the length of time (if any) for which the aircraft is to be held prior to departure.

As is done for arriving aircraft, each departing aircraft is analyzed by M&S some time prior to the scheduled departure time, and a slot of runway time (equal in length to the aircraft ROT) is allocated to

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the runway. Departing aircraft can be on time or they can be delayed (in a hold). If a hold is needed, the length of the hold is determined by the algorithm. Again, holding is needed in cases in which aircraft already scheduled for the same runway interfere with the desired nominal slot for the departure.

Departing aircraft initially have  $T_A = T_R = 0$ . This prevents a departing aircraft from being given a departure time earlier than the original intended departure time. If a departure is to be held,  $T_R$  will be <0 for the actual slot allocated for the aircraft. Since the speed of departing aircraft on and over the runway is explicitly not used by M&S (all calculations are based upon the ROT), the speed value is set = 0 within M&S. However, the first leg of the aircraft flight plan coincides with the runway and the flight plan contains the time needed to cover this first leg and the speed of the aircraft for the leg. Therefore, the time must = ROT and the runway speed must = (the length of the runway)/(ROT).

### 2.2.3 Constraints on Aircraft Motion

In scheduling aircraft (both arrivals and departures) for runway slots there are certain constraints on the motion of the various aircraft. These constraints which are built into the algorithm logic are described below:

#### Basic Constraints

 a) No two aircraft can occupy the same runway at the same time. For example, given aircraft number i-l, i, and i+l scheduled for the same runway, we have

 $RCT(i-1) \leq RAT(i) < RCT(i) \leq RAT(I+1)$ 

- b) For each aircraft, RCT-RAT  $\equiv$  ROT for that aircraft
- c) No two landing aircraft scheduled to use the same runway can pass each other between the gate and the start of the runway (this holds no matter how many departing aircraft use the runway between the two arrivals).
- d) In attempting to schedule a landing aircraft into a slot, if there are other landing aircraft already scheduled for the same runway, with at least one in front of (earlier than) and one in back of (later than) the trial slot for the new aircraft, and if (the speed of the closest front landing aircraft) < (the speed of the new aircraft) < (the speed of the closest rear landing aircraft), then

Page 2.2-6

the new aircraft cannot be scheduled into the trial slot. This constraint has the effect of forming sequences of landing aircraft in which there are at least two aircraft and in which, from the front to the rear of each sequence, the aircraft speeds form a monotonic nondecreasing sequence.

#### Constraints on Rescheduling of Aircraft

When an attempt to schedule an aircraft onto a runway is made, it may be found that other aircraft currently scheduled for the same runway interfere with the scheduling of the new aircraft into the desired slot. These forms of interference are as follows:

- a) The time slot for an already scheduled aircraft intrudes into the slot for the new aircraft (this has the effect of making the slot for the new aircraft less than the proper ROT in size).
- b) If the new aircraft is a landing aircraft, another landing aircraft (already scheduled) can pass the new aircraft between the gate and the runway.

To resolve the interference between the schedules of two aircraft (one already scheduled, the other new), an attempt is made to do one (or more) of the following:

- a) Reschedule an already scheduled aircraft (either forward or backward as required) so as to eliminate overlapping runway slots and/or crossings between the gate and the runway.
- b) Change the slot chosen for the new aircraft.

In using either or both of these techniques to solve the problems created by interference, the following constraints must be observed:

- a) New aircraft cannot be advanced more than the  $T_A$  value.
- b) New aircraft cannot be retarded more than  $T_R$  without creating a hold solution.
- c) No aircraft can be rescheduled forward by an amount > its current  $T_{\Delta}.$
- d) No arriving aircraft can be rescheduled backwards (retarded) by any amount to accommodate a new aircraft that is departing.
- e) No aircraft that is currently in a hold slot (its  $T_R$  is < 0) can be rescheduled at all.
- f) No arriving aircraft that has moved physically past its feeder fix can be rescheduled.
- g) A departing aircraft can be rescheduled from a non-hold slot into a hold slot.
- h) An arriving aircraft cannot be rescheduled from a non-hold slot into a hold slot.
- In rescheduling aircraft to fit a new aircraft into a trial slot, only one aircraft may be rescheduled for any given trial slot.
- j) In analyzing a trial slot, if rescheduling is required, it can be done at one end (early or late) of the slot at a time. This is a consequence of constraint i) and implies that each trial slot can be analyzed twice, once with rescheduling possible at the front and once with rescheduling possible at the rear.

# 2.2.4 Optimization Logic in M&S

The possible types of slots for any aircraft are listed below in decreasing order of preference (i.e., from "best" to "worst"). The optimization logic in the algorithm is concerned with finding the best possible slot for an aircraft.

- 1) A slot starting at the nominal RAT and ending at the nominal RCT and no rescheduling of other aircraft involved.
- 2) A slot starting no earlier than [(nominal RAT) (nominal  $T_{\Delta}$ )] and ending no later than [(nominal RCT) + (nominal  $T_{p}$ )].
- The same as 2) but with some rescheduling of one other aircraft involved.
- 4) Any solution requiring holding of the new aircraft.

Solution types 1), 2), and 3) do not require holding of the new aircraft while type 4) does.

In order to find the best slot for an aircraft, the time interval starting at [(nominal RAT) - (nominal  $T_A$ )] is searched by forming a sequence of trial slots and evaluating each until the best slot is found. Creation of new trial slots ends when the first slot in which a hold solution for the new aircraft is required has been found. Further details on the ranking of slots is found in the flow charts of subroutines METSEQ and BSTSLN.

# 2.2.5 Simplifications in the Algorithm

The current design of the M&S algorithm contains the following six major simplifications, some of which have already been mentioned.

- All aircraft flying over the same sequency route fly over precisely the same path, and the advance and retard times (TA and TR) are used to model the control a controller has over aircraft in metering and sequencing them.
- Along the sequence routes, landing aircraft motion is <u>not</u> constrained so as to maintain minimum separation standards around the aircraft. Aircraft that are in metering and sequencing holds are unconstrained in the same way.
- 3. The conflict detection and resolution logic is not applied to aircraft that are in the M&S holds, or that are arriving and have begun flying down their assigned sequence routes.
- Arriving aircraft that are physically past their assigned feeder fixes, and departing aircraft that have not moved beyond the runway are <u>not</u> subject to errors (random or deterministic) in their motion.
- 5. For each arriving aircraft, the speed used in flying down the sequence route is the same for <u>all</u> legs of the sequence route (except for the last leg, which is the runway).
- 6. The initial values of TA for landing aircraft that are using the <u>same</u> sequence route is the same for all such aircraft regardless of the speed classes of the various aircraft. Similarly, initial TR values are assigned to each sequency route, each such value to be used for <u>all</u> aircraft flying down the corresponding sequence route.

#### 2.2.6 Data Structure

There are four main parts to the data structure used by the algorithm. One of these contains data describing the terminals themselves (e.g., number of runways, number of feeder fixes,  $T_A$  and  $T_R$  for aircraft that are arriving, distances between the gates and the corresponding runways, nominal velocities for sequence routes, coordinates of points on sequence routes, etc.). Each terminal has its own such data structure.

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The other three parts of the M&S data structure are all files in dynamic memory. One of these three is the runway queue (RWQUE). There is one RWQUE for each runway at each terminal. Whenever the best slot for a new aircraft has been found an entry containing the information is made in the RWQUE for the runway to be used by the new aircraft. Thus, when an already scheduled aircraft may have to be rescheduled, the algorithm finds most of the data it needs to describe the aircraft to be rescheduled in the appropriate member in the appropriate RWQUE.

The basic data contained in the RWQUE are the pointer, the aircraft data file member for the aircraft, the runway arrival and clear times for the aircraft, the amounts of  $T_A$  and  $T_R$  currently available to the aircraft (after the current solution was formed), and the velocity to be used by the aircraft in flying from the feeder fix to the runway (if the aircraft is an arrival). For a departure, the velocity = 0, as discussed above.

The second of the three file types used by M&S is the Metering and Sequencing Queue (MSQUE), one of which exists for each terminal in the modeled system. Aircraft (both departing and arriving) that are to be processed by the M&S are entered into the MSQUE for the proper terminal by other parts of the model (see Section 2.2.6 for more information on which parts of the model do this and how they interact with M&S). Periodically, M&S examines the MSQUEs for the various terminals. In this analysis, all aircraft in an MSQUE are given slots of time on the runway specified for them at the terminal owning the MSQUE, and then an entry for each of the aircraft is made in the RWQUE for the runway to be used by the aircraft. The primary purpose of the MSQUE (besides serving as a "list" of all aircraft to be processed by M&S at each terminal) is to provide a means of ranking the aircraft so that they are processed in a certain order. All. aircraft entered into an MSQUE are ranked low on a function of Speed Class and ETA (at feeder fix for arrivals, at runway for departures). In this way slow moving arriving aircraft tend to be processed before faster moving arrivals. Since the RWQUE's tend to be filled up from front to back, this tends to give early slots to slow moving aircraft and thus help to form the sequence of aircraft with monotonic nondecreasing speeds.

The final type of M&S file to be discussed is the Terminal File. Each terminal has its own terminal file, which is used primarily to store pointers to the jurisdiction files, disk file entries, and aircraft in RWQUEs for the runways at the terminal.

## Page 2.2-10

### 2.2.7 Relationships Between M&S and the Aircraft Motion Algorithm (MOVAC)

Departing aircraft are placed into the MSQUE for their departure terminal by the logic for Function 3 of the Functional Analysis a specified time interval prior to the original intended departure time of the aircraft. Then at the next periodic call to M&S the aircraft is processed and is assigned to a slot in a RWQUE for one of the runways at the departure terminal. This slot may be a hold solution, in which case the aircraft will be delayed in departing. Whatever the type of slot that is found for the aircraft, the aircraft will stay in the RWQUE until the current time in the model = the actual departure time. Then the aircraft has its phase of flight changed from Preflight to Takeoff by the service routine UDPOF. The call to UDPOF contains the length of time the aircraft will be in Takeoff phase and the length of time the aircraft will remain in the next phase, Departure Transition. These two time intervals are used to plant calls to UDPOF for this aircraft for the ends of Takeoff and Departure Transition. At these times, UDPOF changes the phase of flight for the aircraft to Departure Transition and to En Route, respectively.

For arriving aircraft, MOVAC determines when each aircraft is within a specified time interval of reaching its feeder fix (this is determined by comparing current time and the intended time of arrival of the aircraft at its feeder fix). When an arriving aircraft has closed to within this time interval of its estimated time of arrival, ETA, at its feeder fix. MOVAC adds an entry for the aircraft to the MSQUE for the terminal to be used by the aircraft. Since the time interval (feeder fix ETA - insertion time) is greater than the M&S period, it is guaranteed that each arriving aircraft will be examined by M&S before arriving at the feeder fix. If M&S determines that a hold is needed for an aircraft, the variable HOLDTM is set = the length of the needed hold, the aircraft is put into M&S hold status, and the arrival of the aircraft at the feeder fix is delayed by HOLDTM. A call to UDPOF is scheduled for the ETA at the feeder fix. In this call UDPOF changes the phase of flight from Arrival Transition to Approach (MOVAC changed it from En Route to Arrival Transition at the time the aircraft was placed in the terminal MSQUE). Part of the output from the processing of the aircraft in the next periodic

call to M&S is a call to UDPOF planned to occur at the time the aircraft is first over the runway, and another call to UDPOF is planned for the time the aircraft will leave the runway. These calls serve, respectively, to change the phase of flight from Arrival Transition to Landing and to erase the aircraft from the model.

# 2.2.8 Algorithm Subroutines

The M&S algorithm routines and their respective basic purposes are as follows:

- <u>ADJUST</u> Used by RESCH and PFIND2 to store the original version of the current slots and slot data for new aircraft and to place the current trial slot (as possibly changed by PFIND1) into the RWQUE entries so that PFIND2 can read the slot as changed by PFIND1. If rescheduling of and aircraft is required by PFIND1, a similar shifting of slot data is carried out for the rescheduled aircraft.
- <u>BSTSLN</u> Used by METSEQ to compare two non-hold solutions for the new aircraft and find the better of the two.
- <u>FACL</u> Used by PFIND1 to find an advance time for the latter of a pair of landing aircraft using the same runway. This is the maximum advance time allowed without creating a gate/runway crossing for the two aircraft.
- <u>GRWCRS</u> Used by PFIND2 to determine if two landing aircraft scheduled for the same runway have a gate/runway crossing problem, and if so how much advance time for the later aircraft or retard time for the early aircraft is needed to solve the problem.
- <u>METSEQ</u> This is the main subroutine in the algorithm. It reads in all data, processes all terminals (one by one), processes all aircraft at each terminal (one by one, arrivals first and then departures), formulates trial slots, used PFIND1 and PFIND2 to evaluate the trial slots, finds (with the help of BSTSLN) the best slot for each aircraft, schedules the aircraft for the best slot, schedules calls to UDPOF for the aircraft, and changes the flight plan (TPQUE) for the aircraft as needed.
- <u>PFIND</u> Used by METSEQ as an intermediate driver between METSEQ and (PFIND1 and PFIND2).
- <u>PFIND1</u> Used by METSEQ to analyze a potential slot for a departing aircraft and used by PFIND2 to perform initial analysis of a potential slot for an arrival. Can

# Page 2,2-12

determine if a solution is possible in the trial slot and if rescheduling of another aircraft and/or of the new aircraft is needed to make the solution possible.

<u>PFIND2</u> - Used by METSEQ to analyze a tentative slot for an arriving aircraft. Can provide the same type of information as can PFIND1.

- <u>RACIT</u> Used by METSEQ to store data about changes in the current solution for an aircraft when the aircraft is to be rescheduled to accommodate some other aircraft.
- <u>RACL</u> Used by PFIND1. Similar to FACL, but gives the retard time allowed for the earlier of the two landing air-craft without causing a gate/runway problem.
- <u>REAJST</u> Used by PFIND2 to reverse the data shifting accomplished by ADJUST. Puts what was the solution for an aircraft that tentatively was to be but isn't to be rescheduled back into the RWQUE entries for the aircraft.
- <u>RESCH</u> Used by PFIND2 to set into temporary variables a rescheduled version of the current official solution for an aircraft that must be rescheduled in order to accommodate an arriving aircraft.
- <u>R999</u> USED BY PFIND1 to determine if the solution found for an aircraft is a hold solution, and if so, how long the aircraft will be held.
- <u>SLOCH</u> Used by PFIND2 to make temporary changes in the current slot for a new arriving aircraft and to show the solution PFIND2 found for the aircraft.
- <u>UPTPQ</u> Used by METSEQ to add the fix points coordinates, leg speeds, and leg times for the sequence route to the flight plan for an arriving aircraft once the aircraft has been given its best slot.
- <u>VELCAL</u> Used by METSEQ and ADJUST to update the value of the sequence route velocity for an arriving aircraft when the slot for the aircraft is changed.

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### 2.3 SEPARATION ASSURANCE

A basic function of the DELTA simulation logic is to predict when aircraft motions will result in a hazardous mid-air approach, and to maneuver the aircraft to avoid this hazard. This function must be performed with sufficient precision to assure realistic aircraft motion, and to properly trigger the various Air Traffic Management (ATM) tasks which will consume system resources when such mid-air conflicts occur.

In this section, the detailed logic for performing this separation assurance is described. The model will utilize this algorithm in several contexts, and in both en route and terminal environments. This function will interact strongly with other essential model functions including metering, sequencing and spacing and en route sector capacity measures.

The separation assurance algorithm may be subdivided into three basic functions:

- Conflict prediction The initial detection of pairs of aircraft that may be in conflict;
- Hazard evaluation The assignment of a measure of risk to a possible conflict;
- Conflict resolution The determination of a maneuver or maneuvers that will result in a less hazardous situation for the aircraft pair and their neighbors.

#### 2.3.1 General Algorithm Description

# 2.3.1.1 Conflict Prediction

The conflict prediction function is performed solely to relieve the data processing load on the hazard evaluation and conflict resolution algorithms. Since the hazard evaluation for a pair of aircraft can consume several hundred instructions, it is necessary to screen all potential aircraft pairs in the system (N(N-1)/2 total) so that only the more likely candidate pairs are processed for detailed probability calculations. This is best performed by a series of aircraft pair "filters" which, with very few computations, sequentially exclude a large fraction of the non-hazardous pairs. The particular set of filters suggested in this section was derived

from real-time conflict prediction logic designed for the ARTS system. The goal of this logic is to pass through all aircraft pairs which have a non-zero probability of conflict (within the specified time period), but as few extraneous pairs as is computationally profitable.

The general method suggested for conflict prediction is grid filtering on a synchronous basis; that is, the subroutine is called at regular time intervals. The grid filter procedure consists of dividing an airspace volume into "boxes" and placing each aircraft into a series of these boxes based on the aircraft's position, velocity, uncertainty area, and required miss distance. The uncertainty area is a composite of estimated track error plus error caused by lack of knowledge of aircraft intent projected for some future time. Any two aircraft placed in the same box are candidates for a conflict.

After this initial gross geometric filter has selected a relatively small subset of aircraft pairs for further evaluation, a series of more refined filters are applied to the surviving pairs. The first of these filters is an "old conflict" test. This test must check the history files (created in the hazard evaluation function described later) to insure that the conflict has not been previously detected and evaluated. Next, an altitude separation test, and a more detailed velocity closure test, are applied.

The time that the aircraft's current position is projected into the future would, on a real time system, be approximately equal to the required warning time (a system parameter). However, in the simulation model this will not be the case since the subroutine is exercised at relatively long intervals. Thus, the look-ahead, or projection time, will be larger than the system warning time. If the aircraft is not on a flight plan, the simulation can know that a conflict will occur before the ATC system detects it. This is true, for example, if the confict is caused by a turn of an aircraft. The detection of the conflict must be entered at the time the system would detect it. Thus all turns must be represented by the proper box placement, and VFR detection must be in two phases: what the system sees assuming straight line flight, and what the simulation knows from the stored flight plan.

Generally, the model will not distinguish VFR and IFR aircraft per se, but aircraft will be identified by whether the system has intent data and the degree of controlability that can be exercised. The use of VFR here denotes the lowest degree of control - the ATM system is not involved in maintaining the aircraft on a flight plan.

## 2.3.1.2 Hazard Evaluation

Once a possible conflict has been identified by the prediction algorithm it must be further evaluated to determine its collision potential, or risk. Ordering the possible conflicts by risk allows the simulation to respond consistently to the basic system definition parameters input to the model. The measure of risk used in the algorithm is the probability of violating a given miss distance within the warning time that is provided by the Air Traffic Management system. This probability is calculated from the geometric configuration of the two aircraft and the uncertainties inherent in their position and velocity data. The logic approximates the conditional probability that an aircraft will turn from its current course by a separate distribution which is superimposed on the track error distribution.

Considering the aircraft's current position, velocity, and acceleration, it is possible to project an ensemble of possible paths which the aircraft could follow. The probability associated with a particular path from this ensemble is determined from two sources: variances in knowledge of the current velocity data, and uncertainty about the pilot's intent.

Uncertainty in the velocity vector (in particular, heading) is a major source of "spread" in the path ensemble. This uncertainty is usually approximated by the normal distribution of straight line paths symmetrically projected about the estimated heading of a non-turning track. Uncertainties in position are incorporated in the miss distance criteria. Uncertainties in intent will be approximated by an increase in spread of the path ensemble and a separate probability distribution. This seems consistent with the instant turn assumptions of the simulation and should give a realistic estimate of increase in workload due to lack of intent information.

It is important to model the intent uncertainties in the simulation since most future ATM system concepts include an IPC (Intermittent Positive Control) separation mechanism. IPC commands generally consist of two types, positive commands and negative commands. Positive commands (i.e., commands that tell the pilot to take positive action) may be treated as resolution maneuvers; the only difference is in mode of communication and perhaps that the resolution algorithm will not take upon itself the responsibility of returning the pilot to his original course. Negative commands, however, are of the form "Do not turn right, Do not turn left," etc. They are preferred because they minimize interference with pilot intent. The evaluation algorithm is structured so that if it is possible to resolve a conflict by negative commands, this information will be available to the resolution and queueing module.

Output from the hazard evaluation will be a measure of risk, a minimum time before conflict, and when called from resolution, whether a negative IPC command will work. As a matter of course, once a conflict has been evaluated by the hazard evaluation algorithm, it will be entered in a history file, so that the conflict will not be reevaluated until necessary.

# 2.3.1.3 Conflict Resolution

The purpose of conflict resolution is to define a safe maneuver for an aircraft which is involved in a conflict. The maneuver must result in the measure of risk being reduced to an acceptable level. If appropriate, the resolution algorithm must also provide for the return of the aircraft to its intended flight path.

There are five basic maneuvers available for resolving a conflict:

- Negative IPC command (may be given to both aircraft simultaneously),
- Elimination of future scheduled fix,
- Level-off command,
- Positive horizontal maneuver, and
- Positive altitude maneuver.

The order in which these maneuvers are tried, and the elimination of any of them may be achieved via input data. The level of difficulty to the controller and thus, system response time (lag time) to initiation

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of maneuvers, may also be controlled by the user. If both aircraft may be maneuvered the preference as to which aircraft to try first for any maneuver is determined by the priority assigned to the aircraft by the simulation.

Once a safe maneuver has been found, the resultant new fixes are inserted in the aircraft's track file. The old fixes are made inoperative by assigning a very large number to the expected time of arrival (ETA) at that fix. An event is planted so that before it is time for the aircraft to arrive at the last fix of his maneuver course, he is checked to see whether he may resume his planned course. If it is not safe to do this, a new fix and corresponding ETA is calculated, and another event planted for resuming course. If it is possible for him to resume course, needed fixes are inserted and the ETA's of his flight plan readjusted to be reasonable numbers again. If he has flown past any fixes while on his maneuver course they are eliminated from the file.

If an IPC-controlled aircraft is the non-maneuvering aircraft of a resolution, it is assumed that he is given a negative IPC command not to turn toward the maneuvering aircraft. In the case of a negative IPC maneuver, turns in the region of the negative command are eliminated from the files.

## 2.3.1.4 General Flow of Safety Assurance Logic

Conflict prediction is performed on a synchronous basis. When new conflicts are found, it will plant events that will trigger hazard evaluation at the proper time. Since the hazard evaluation will occur before the next conflict prediction cycle, conflict prediction need not worry about entering the conflict into history files. The hazard evaluation should occur at the expected time the hazard is observed by the system. The output from this routine will inform the system whether a resolution maneuver need be attempted. If the conflict was considered to be nonhazardous, an event that causes the simulation to reevaluate the conflict in the future is planted. Since realistically the results of the hazard evaluation affect the system response time to the conflict, it is performed before being entered into the resource queues. The risk measure and expected time of conflict influences its placement in the queue for the resource in question. When it is approximately time for a resolution maneuver to be generated and sent, the resolution routine is called. The simulation will assign two parameters, which are used along with the level of difficulty of the maneuver to compute the system lag time for a maneuver. The maneuver is chosen considering this response or lag time information (as it will influence the risk involved in an individual aircraft's maneuver). The track file is changed to reflect the new aircraft velocity. Resolution will record the fact that a resolution maneuver has been planted. Resolution must also plant an event at the time that it expects the conflict to be resolved, and the aircraft revectored to its intended course. At the time of this revectoring, the conflict is checked to insure that it is safe to maneuver the aircraft, and a change vector is inserted into the track file if appropriate (this may not be necessary for VFR aircraft). An event must be planted to clear the history file and indicate to the track file that the conflict is resolved.

The aircraft pair must also be checked on a periodic basis for hazard since the original computation is only valid for a fixed length of time. More detailed discussion of the types of data and logic required for the different functions will now be presented.

### 2.3.2 Conflict Prediction Design

The major input parameters for the conflict prediction logic include:

#### Track Data

 $K_N$  - KNOW - (1,2,3,4,5) - state of flight knowledge. The state increases by one if: - aircraft is on flight plan - aircraft is controlled - aircraft is being sequenced. x,y,z - perceived velocity components for aircraft x,y,z - perceived position for aircraft (speed class, heading class - if these were stored it would speed processing time)

### Systems Data

grid origin grid size

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BOXES (.) This is the table that controls box placement. It will incorporate the angular error (intent + sensor) and miss distance. It is a function of (speed class, heading class, KNOW)

tw - warning time

 $t_{1a}$  - look-ahead time (how often CP called +  $t_w$ )  $t_{dt}$  - time to detect unscheduled turn

Conflict prediction logic will perform all the "gross" filtering for potential conflicts. This will include the "old conflict" test. New conflicts that are detected will result in a hazard evaluation event being planted. These events may be planted at different times in the future if the look-ahead time used in conflict detection is different from the system warning time. This time difference arises only because the simulation will not be exercising conflict prediction as often as a real time system would.

There is a further programming consideration; the results of the gross filter (i.e., the filled grid, and the time that it was created) must be available to resolution so that it can insure that the maneuver it suggests does not cause a new conflict. This is accomplished by placing the grid data onto a disk file which may be accessed by resolution. In any case, CP is designed so that it is able to check one aircraft against others in its vicinity (keeping track of the fact that the times involved will not correspond) and exit without planting a conflict event (and giving instead a list of new conflicts).

CP must place aircraft in boxes on predicted flight path. These paths may include turns. If the system is not supposed to know of the turn and the conflict would not occur without it, the hazard evaluation is scheduled for an appropriate time  $(t_{d+})$  after the turn and the conflict.

The conflict prediction logic will calculate as output the following data:

Filled grid on disk Events containing:

IDA, IDB - track numbers of aircraft involved

KOLD - index in history file of conflict (0 - since CP only looks at new conflicts)

# 2.3.3 Hazard Evaluation (Hazard)

The system design for Hazard Evaluation is depicted in Figure 2.3-1. This shows how it is called, its associated subprograms and results.

# 2.3.3.1 Data Requirements for Hazard Evaluation

The data utilized by hazard evaluation are divided into three categories:

- Data provided by the simulation itself
- Systems parameters by which the user can adjust the results of the computation, and
- Data used by the program in order to increase computational efficiency

The information received from the simulation includes the coordinates, the velocities, flight plans, priorities, whether or not the aircraft is on IPC, class of aircraft, the metering and sequencing switch, whether or not the aircraft is controlled, whether or not the aircraft is on a flight plan, the type of aircraft, the speed that this type can attain, the turn radius that he can attain, the high and low altitude bound on his flight, normal climb rate, plus miss distance desired for this type of aircraft, horizontal and vertical. If the aircraft has altitude reporting equipment, this is also used in hazard evaluation since if there is no altitude known on the aircraft the hazard must be calculated on a two-dimensional model rather than a three-dimensional model.

The systems parameters needed are the combined probability distributions of the intent and sensor uncertainities, the high and low risk thresholds, the warning time used by the simulation, and the time between re-looks at non-hazardous conflicts.

The internal parameters include information such as the bounds on the sensor vs. intent areas, the number of steps in the ensembles of paths, and information from which the ensembles are calculated. Both of the latter two categories of information may be generated from simple input to an initialization routine.





FIGURE 2.3-1 SYSTEM DESIGN - HAZARD EVALUATION

# 2.3.3.2 Description of Flow

The hazard evaluation module may be called in three different ways: the first is by an event notice, the second is a call from the resolution model in order to recalculate the necessary parameters needed for the resolution of the conflict; and the third is as a calculator of hazard which is used by the various resolution routines to determine the effects of resolution maneuvers. When called by event notice, the event could have been planted either by the conflict prediction module, hazard evaluation itself, or the resolution module. Hazard evaluation will plant an event when the conflict is considered non-hazardous. It must keep checking to make sure that the aircraft don't change course and come into a hazardous situation, or that the current courses aren't hazardous beyond the lookahead time. The resolution module plants a hazard evaluation event on a synchronous basis because three is only a fixed look-ahead time for the planned resolution maneuver. Thus, we can only guarantee that a maneuver will be safe a certain amount of time into the future. This time is a system parameter (SP).

The first task of hazard evaluation, when it is called by event notice or the first call from resolution, is to put into various internal common blocks information regarding the aircraft. This is done by calls on routines FILHAZ and TURNT. FILHAZ fills up a common block that contains the information provided dynamically by the simulation. TURNT will fill what is called a turn table. This table contains the fixes scheduled for the aircraft during the look-ahead time in question. It uses the aircraft's flight plan file for this information. These two common blocks are then written out on a scratch file so that if the routine was really called from resolution, resolution can re-initialize the blocks whenever it needs to. Subroutine PATHS is then called and this subroutine will calculate the ensembles of paths for each aircraft. Since there may be various fixes for each aircraft within the look-ahead time, there can be more than one group of ensembles of paths. The ensembles will be written out on a temporary scratch file in the order in which they will occur. Whenever a turn occurs, the aircraft is moved along its expected value path up to the point of that turn and then the new expected value path is projected backwards in time from that point to the start time of the run. Thus, all ensembles

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are created from the same start time. Hazard evaluation will then operate on each ensemble only in the time period for which it is valid. There will be three records written for each time slice. The first two records will contain velocities and the positions for the two aircraft. The third record will contain the difference in X position, the difference in Y position, the time in which the aircraft can violate minimum altitude requirements, the horizontal distance apart, and the beginning and the end time of these ensembles' validity.

Hazard evaluation now does some housekeeping functions such as zeroing out arrays, and choosing which index to use for the outer and inner loops. It will then start processing the ensembles that are on the file. After reading the data for a time slice of ensembles, HAZARD first calculates some parameters that will simplify the hazard calculation, and then chooses the direction of processing for each of the aircraft. This is done so that the processing can be speeded up by jumping out of the loop once the hazardous portion of the ensemble has been evaluated. Each combination of paths will be inspected to see the closest that the aircraft could come toward each other within the period in question. If they can violate the miss distance, they will be considered hazardous and the probability will be added to cumulative probability if this particular combination of paths has not created a risk before. The risk associated with each combination of paths will be stored in a matrix PMAT. Via this matrix we can insure that we do not add risk for a path twice. PMAT is also used later in order to calculate the risk given a negative IPC command. On calculations of risk caused other than by the event notice or initial resolution call, once a risk has exceeded the risk threshold the program will jump out of the loops as it is not interested in the total amount of risk involved, but just whether it exceeds the threshold. All ensembles on the file are processed in this manner. Upon conclusion of the risk calculation, the program, if it has been called as a first call from resolution, will find the risk given negative IPC commands.

If the call was from an event notice, the routine will see whether the risk is greater than the higher threshold and if so, will create a notice for resolution to occur. In all cases for these new conflicts a history file will be created for the conflict. This is so conflict

prediction will not have to be checking continually for conflicts that are already known, and for which hazard evaluation should be maintaining a lookout. An interface file will be set up for conflicts that require resolution so that the resource allocation routine that is appropriate can know the minimum time to conflict, the risk involved in the conflict and the aircraft pair. This routine will then eventually call the resolution module. After adjusting the appropriate files, HAZARD returns control either to the simulation or the calling program.

There is one further complication in hazard evaluation and that is if one of the aircraft is circling. If both are circling, the risk will then automatically be set higher than the risk threshold. However, if only one aircraft is circling, a routine called HAZCRC will be called and this routine will calculate the hazard, given that one aircraft is circling. It does this in essentially the same way that HAZARD itself works, except that it calculates the results of one ensemble of paths against a circle created by the other aircraft. If the ensemble comes into contact with this circle within the time period in question, again risk will be accumulated into the variable RISK and the risk threshold may or may not be exceeded. HAZCRC counts on the whole pattern being placed into the aircraft flight plan as a series of points on a square. It will then calculate the center of that square and the radius of a circle that would inscribe it, and use this circle for calculation of the hazard. Upon conclusion of calculating the hazard, given one aircraft in a hold pattern, HAZCRC returns control to HAZARD and the housekeeping functions described previously will be performed.

#### 2.3.4 Conflict Resolution

#### 2.3.4.1 Data Requirements

The data required for conflict resolution is the same as for hazard evaluation with the addition of:

- Two parameters sent by functional analysis, and
- Internal arrays that describe the turn increments and associated values (these are generated by an initialization routine).

# 2.3.4.2 Logic Flow

RESOLV is the main driver of the resolution routines. Its design is shown in Figure 2.3-2. The five types of resolutions that may result from this driver were described in Section 2.3.1.3. These five levels of resolution may require different lag times, (i.e., different times at which the maneuver will start) which correspond to different levels of difficulty for the controller. Therefore, the program has been written so that the user can both choose the order in which he would like these five different types of resolution maneuvers to be tried, plus assign to them a value, which may or may not be the same for all five types. This value will be used in combination with two parameters sent to the resolution routines by the functional analysis. A linear combination of these three values produces a lag time for the maneuver. Every maneuver will be checked to see whether it is safe in the "near future," defined by a system parameter. TLOOK, which is different from the warning time of hazard evaluation. The concept of safety will include both safety with the present conflicting aircraft and safety with all other aircraft in this system. For maneuvers involving a change in flight plan there will also be calculated a time to resume course. This time will result in a planting of an event for the routine RSCRSE which will turn the aircraft back on its course. RSUME calculates this time and insures that the aircraft will not be turned more than ninety degrees in either direction. In other words, RSUME chooses the fix (via FNDFX) that is along his path in the forward direction if at all possible. If this is not possible, for instance if he's going to land, the aircraft has to be turned back on its course. If one aircraft is circling, in a hold pattern, the other aircraft will be selected for a horizontal meneuver. No other types of resolution maneuvers are considered for this case.

The first task of RESOLV is to call HAZARD to recalculate all the parameters needed by HAZARD or RESOLV and find the risk of the conflict. If the risk is now lower than the risk threshold, no more is done with this case and the routine will act like it is a non-hazardous maneuver which HAZARD would have found. The routine next performs some housekeeping, such as zeroing out certain arrays and finding indices in the maneuver history table for both aircraft, if the indices exist (Subroutine FMAN). The



# FIGURE 2.3-2 SYSTEM DESIGN - CONFLICT RESOLUTION

maneuver history table indicates the types of maneuvers that have been given to each aircraft previously. This is needed since one does not wish to give conflicting maneuvers. Next, the preference for maneuvering the aircraft is chosen by the routine IPREFR. This preference is based solely on the priority given to it in the aircraft file. Each aircraft is assigned a priority and it is assumed that the aircraft with the higher priority is the one that should be maneuvered, if possible. The order in which the aircraft are selected will be the same for all levels of maneuver. Within each level both aircraft are looked at for maneuver, if it is possible to maneuver both. From this point on, the routine simply goes through the levels of resolutions according to the input parameters. If at any point a resolution maneuver is found, the routine files the maneuver using a routine called POST.

The calculation of RISK, given an elimination of fix or a level-off command, is performed directly by RESOLV using calls to ELIM and HAZARD. ELIM is used to create a file which reflects the change of course desired. It works from the master file created on RESOLV's initial call to HAZARD. If the maneuver is deemed safe by HAZARD, INTALT is called to determine the safe time to resume course, whether the maneuver is conflict free with other aircraft, and eventually, in the case of a safe maneuver, the maneuver is posted via POST.

#### 2.3.4.3 Horizontal Maneuvers (RSLVIT)

The horizontal maneuver routine is named RSLVIT. This routine first forces the aircraft to fly level after the lag time (TLAG) that is computed according to the level of difficulty of the maneuver. It then calculates a direction of turn. This direction of turn will be away from the other aircraft. Here, "away" is defined as being in the opposite direction of the cross product between the aircraft's position and velocity. If the desired direction of maneuver is different from a previous command that has been given to the aircraft and this command is still active then the aircraft will not be processed any further. If this were not done, then we would have the rather ridiculous situation of having an aircraft snake through the sky. Besides, presumably he will be turned back on course at the soonest possible time. Thus, if the maneuvers in the opposite direction of a previously given command were allowed, we would be turning the aircraft

back into a conflict that had just been resolved. The aircraft is then stepped through various maneuvers. This is acheived by precomputed tables which consist basically of sines and cosines and are based on an input delta turn that is required. This turn that is chosen for the difference between successive attempts at resolution should be picked such that turns of 90 degrees and 180 degrees come out even in the table. The finer the turn increment chosen, such as 10 degrees, the more time the routine will take, and the less drastic the maneuvers that will be given. Thirty degrees is the maximum delta step that should ever be tried.

When a maneuver is being considered for resolution the new velocities or bearings can be computed from the original expected value bearings. The position that the aircraft will be on his turn circle is calculated. The distance of closest approach is then calculated and if this is greater than the miss distance the maneuver is checked via HAZARD with the entire ensemble of the other aircraft to see whether it is safe. If so, the entire ensemble of the maneuvering aircraft is turned the appropriate amount and checked against the other aircraft's ensemble. Since each vector in the ensemble of paths will have to turn a different amount to achieve the same bearing there are different times to turn involved in this checking of the whole ensemble. The aircraft will be in a different position on his turn circle, and this position is projected backwards to the start time of the calculations. HAZARD is then called to see the risk involved between this one vector and all the vectors in the ensemble of paths for the other aircraft. This risk will be accumulated over all vectors of the maneuvering aircraft's ensemble and if the total risk exceeds the risk threshold a more severe maneuver is tried. If a maneuver is chosen, the results are placed into various arrays and control returned to the driver routine RESOLV.

RESOLV will then call TRNBCK which will set up the interface file for the checking for new conflicts caused by this maneuver. This rechecking is done by subroutine CHKIT, which calls RECHEK, an entry in conflict prediction, then further evaluates any conflicts that conflict prediction may find to see whether it is in truth a real hazard. This is done, of course, through subroutine HAZARD. If the maneuver is still deemed to be safe, RSUME is called in order to calculate the time that the aircaft can

turn back to its original course. RSUME tries various times to turn back in time increments and interpolates backwards once a safe time to turn back is found until the time that is safe and the time that is unsafe are within a pre-specified bound. Once a time to resume course (given the horizontal maneuver) has been found, TRNBCK will check whether it is quicker to hold the aircraft in a pattern and return him on his course after executing the hold pattern a specified number of times. First, a simple calculation is made to see whether the other aircraft's path intersects the holding pattern. If this is true, the horizontal maneuver is used as the maneuver of choice. However, if not true, a hold of an even number of circles is tried until a safe hold pattern is found that does not exceed the look-ahead time set by the simulation. If it is not safe to hold an aircraft beyond this time the horizontal maneuver will be chosen. The calculation of whether it is safe to hold an aircraft is acheived by retarding the holding aircraft's path by the amount of time required. Thus, there is adjusting of the existing ensemble file which will change the position and the velocities of the aircraft for that amount of time. This in effect creates a new intermeshing of fixes, since the time that the aircraft will reach each fix has been changed. This sorting of the existing file is performed and a new file is created without requiring any new computation of ensembles. This file is then used with the call to HAZARD to see whether the hold maneuver is safe. If the hold maneuver turns out to be safe and results in a return to course in shorter time than the horizontal maneuver did, then an interface file is set up so that this maneuver can be checked to make sure that it does not cause any new conflicts either. If it does, the horizontal maneuver is chosen. If it doesn't, then the hold maneuver will be chosen. The results of these calculations are sent to POST in order to change the aircraft fix file and post the maneuver.

#### 2.3.4.4 Positive Altitude Maneuvers (PALT)

The routine to calculate positive altitude maneuver is PALT. This routine tries successive increments of altitude change. The increments are specified by system parameter, AINC. If the new altitude that would be acheived by this maneuver is either greater than the high altitude threshold of the aircraft or lower than the lowest altitude he can fly,

then the altitude maneuver will not be chosen. If it puts him at an altitude higher than the required minimum altitude separation then we know the risk of this maneuver is zero. Otherwise HAZARD must be called to calculate the hazard with this new maneuver. If a positive altitude maneuver has been chosen, the routine INTALT will be called in order to calculate the time the aircraft can resume its course and to post the maneuver. This same routine is also called in case of elimination of scheduled turns. INTALT fills up the interface array for CHKIT, which is the routine that checks for new conflicts caused by a resolution. If the maneuver was conflict free, it calls RSUME which calculates the time to resume course from the maneuver in question and then posts the resolution by subroutine POST.

#### 2.3.4.5 Subsidiary Routines

Important routines that have been mentioned in connection with the resolution algorithms and as yet to be explained in detail are the routines CHKIT, RSUME, and TRYM. RSUME takes the interface file that was filled up for the routine CHKIT and figures out the time that it would take the aircraft to resume its course from that maneuver. To do this it must call FNDFX which takes a location and velocity vector and calculates the next fix where the aircraft will not be executing more than a 90° turn with respect to its current path, if at all possible. This routine starts checking fixes from a given fix or from the beginning of the aircraft's queue (indicated by an initial fix value of zero). Besides calculating the horizontal fix that it should turn to it also calculates two other values, TILEV and TIFIX. TIFIX is the time the aircraft takes to get to that fix and TILEV is the time that it will take the aircraft to acheive the altitude of that fix. These two numbers may be different. If the numbers are different, then a new fix must be inserted into the file which will bring the aircraft to the intended altitude at its nominal climb or dive rate. The direction in which the aircraft must change altitude is returned via a parameter in the call sequence ZDT. It is not desired to calculate this time to level-off, this is indicated by the calling parameter NDCLEV. When TILEV and TIFIX are different, RSUME inserts a new fix at TILEV and then calculates the time to the actual fix. It sets an interface table for the routine TRYM, which when called, can take this

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table and process it, interleaving it with the already known fixes of the other aircraft. After the aircraft has gotten back to the assigned fix, the routine will automatically pick up the remaining fixes on his original course. Thus, it is not necessary to fill up this interface table all the way to the look-ahead time desired. RSUME is called with a special parameter TSART, which is the time that the user desires the aircraft to stay on a level course. This is used primarily when an aircraft is changing altitude. Since it would not be good to have an aircraft dive for two minutes and then immediately start climbing again, there is a parameter that the user can set which requires the aircraft to fly level for a certain amount of time before any new change of course is directed for him. Currently, the programs are set up so that on a horizontal maneuver the aircraft will resume course as soon as possible. However, on a change of altitude course, the aircraft will level-off for a given amount of time (TIMLEV) before he can resume his old altitude.

TRYM operates from a common block or fills up the block from the common that was set up for the CHKIT function. Basically, it projects ahead the non-maneuvering aircraft to the time of the first fix for the maneuvering aircraft. It then interleaves the fixes as they go along from the interface table. When that runs out, if there is still time left in the lookahead interval, it picks up the fixes that are recorded in the fix file for the maneuvering aircraft. Its output is an ensemble of paths or a group of ensembles of paths that reflect these new fixes for both aircraft within the time-frame in question.

CHKIT is a routine that checks a maneuver for new conflicts that the maneuver itself may cause. It works from an interface file which is set up by other programs and immediately calls RECHEK (an entry in the conflict prediction routine). RECHEK will fill up an interface file which will contain the number of conflicts in it and the IDs of the conflicting air-craft. If there are any new conflicts then CHKIT calls TRYM in order to establish a file from which it can work. It then starts processing the new conflicts one by one to insure that they are real conflicts in the sense that hazard detection would consider them conflicts. It calls FILHAZ to create a file for both aircraft and TURNT to create the turn table. TURNT is called with the parameter ID of the maneuvering aircraft. This

is so that his current flight plan fixes will not be put into the turn table and only the non-maneuvering aircraft's fixes are in the table. CHKIT will then process this table and create ensembles of paths for the non-maneuvering aircraft. It interleves them with the ensembles for the maneuvering aircraft and creates a file from which hazard evaluation can work. If at any point the hazard involved in the new conflict exceeds the threshold, the maneuver is rejected and a parameter (IRES) is set to one so the calling program will know that this maneuver is hazardous. If the maneuver is accepted as non-hazardous then the parameter IRES is set to zero and the calling program will know to post the maneuver. At the end of its processing CHKIT reads in from the master file created at the beginning of RESOLV to refill the common blocks with parameters that were calculated at that point, since they were destroyed with this operation.

POST is always the last subroutine called by the resolution module. Only after the maneuver has been accepted will the subroutine be called and the actual fixes in the file will be changed for the aircraft. Any new fixes will be inserted and all the fixes remaining in the file will be set to a maximum value that is internally set by the program. In addition, if any non-controlled aircraft that is IPC equipped has any turns in the near future toward the maneuvering aircraft the turns are eliminated from his flight plan. POST creates an entry and some internal history files which record the maneuver to an aircraft so that the aircraft was forced to level-off from perhaps a climb or a dive. This is also recorded in the files as it was probably important in resolving the conflict. Finally, the POST routine creates event notices so that the conflict will be looked at again within the next cycle and, if appropriate, also sets an event at the time to resume course. If the time to resume course for this maneuver was less than it was for a previous maneuver this event will not be generated. However, there may be spurious events generated. The resume course routine will handle these cases appropriately.

# 2.3.5 Resume Course Routine (RSCRSE)

RSCRSE will be called by an event notice in order to try to maneuver an aircraft back on course after a resolution maneuver. This aircraft will have been maintained in an internal history file so it is known by RSCRSE what the expected time to return to course should be.

This will be the greatest time calculated for any maneuver. If the time that the routine is called is not this time it simply returns and waits for the event planted at the proper time. If it is the proper time, it sets up the interface file used in checking for new conflicts which may have been created by a change of course (this has been previously described). It then calls subroutine CHKIT and checks for these conflicts. If there are no new conflicts created by returning to course, it removes the entries in the maneuver history files to indicate that this aircraft is no longer on a positive maneuver. It inserts any needed fixes into the course, removing the fixes that were inserted for the change of course, and returns the aircraft to its normal flight plan. This includes updating the expected time of arrival for all current fixes on the course to the new expected time of arrival. If it is not possible to return an aircraft to its course, it will simply reschedule another event in the future to try and turn the aircraft back on its course.

The system design of RSCRSE is shown in Figure 2.3-3.



# FIGURE 2.3-3 SYSTEM DESIGN - RESUME COURSE EVENT

Page 3.1-1

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# 3.0 INPUT DATA SPECIFICATION

#### 3.1 METHODOLOGY

The DELTA simulation reads input data from two files: TAPE5 and TAPE30. The TAPE5 file is composed of card images which define the particular scenario to be run. The TAPE30 file is a random access file containing terminal sequence route and escape route information beginning at the feeder fix and ending at the touchdown point. This file must be prepared previously using the off-line Terminal Generation Program. See Section 8.0 for a description of this program and its input specifications.

To set up a scenario, a number of different types of data are required. Figure 3.1-1 illustrates the relative order of these types of data and shows the DELTA subroutine which reads the data. The input value card which is read by XXSTRT contains the maximum size for the dynamic memory. This value should never exceed the dimension of the dynamic memory array IV in the MAIN routine. It is difficult to estimate accurately what value this dimension should be. To aid in estimating it, the "high water mark" or highest value of dynamic memory actually used is printed out in the DELTA run summary. Should it be necessary to increase the maximum size of dynamic memory, then the MAIN routine will have to be recompiled to change the dimension of IV. The variable MAXKXX on the SALSIM card should be changed to the same value as the dimension of IV to ensure the proper creation of data blocks in the dynamic memory.

The variables for each type of data are described in Section 3.3.







Page 3.2-1

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# 3.2 NOMENCLATURE

The names of subroutines and certain variables related to the functional tasks were created according to the following convention:

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where ff is the Function number

s is the Subfunction number

tt is the Task number

and a is an alphabetic with the following characteristic:

C = Duration of one cycle of a periodic task (hrs.).

F = Rate (inverse of frequency) of a periodic task.

I = ELIST block pointer (defined in Block Data).

M = Mask for a test under mask.

P = Probability of condition occurring.

R = Requirement (comparison word for test under mask).

T = Subroutine name containing referenced task.

For example T07105 would be the name of the subroutine modeling Task 7.1.5; P05103 would be a probability related to Task 5.1.3. In a few cases multiple entries were required in the same task. In those cases (e.g., E07401, H08107, P082PR, P082RV) the letter assignment were necessarily arbitrary and do not possess mnenomic significance.

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Page 3.3-1

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# 3.3 DATA SPECIFICATIONS

This section will describe each of the input variables which are read from the file TAPE5. The data is divided into the following groups:

SALSIM specifications Namelist \$INP variables Task allocations and times Jurisdictions Aircraft type Exogenous events Date and title card.

Page 3.3-2

3.3.1	XXSTRT -	SALSIM	Specifications

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CARD NO.	NAME	COLUMNS	FORMAT	VALUE/DESCRIPTION
1	MAXEVT	1-6	16	Largest type number used for the events in ELIST. Default = 168. Max = 275.
	MAXKXX	7-12	16	Size of the IV array (dynamic memory) in the user's program.
	MDESX	13-18	16	Maximum size block to be destroyed. Blank = 16.
	MCXX	19-24	16	Maximum number of memory request allowed if the memory capacity is exceeded. If -1, no memory requests will be allowed. Blank = 10.
	IREQXX	25-30	16	Maximum size block for each memory request. Blank = 1024.
	MAXBLK	31-36	16	Largest block size the user expects to create or use during the simulation. Blank = 130,000.

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#### 3.3.2 INITIA - Namelist \$INP Variables

<u>P03000</u> - Probability that the preliminary flight plan needs no modification. Function 3 reflects the system resources utilized by a pilot when he prepares a flight plan. This probability is an indication of the pilot's skill in preparing the flight plan or the number of times he must review and restructure his flight plan until he is satisfied that it is suitable for submittal to the system. Two probabilities are used: 1) the probability that a single pass through the steps in preparing the flight plan will be adequate to submit the plan and 2) the probability that, given the first pass resulted in a plan that required further work, each subsequent pass through the function will result in an acceptable flight plan for submittal.

<u>P04201</u> - Probability of no discrepancy in the flight plan because of aircraft capability or status. This is the probability that the flight plan submitted by the pilot and renewed by the system will be consistent with aircraft capability and current status. It is handled as two probabilities. The first probability represents the first time the test is made. The second probability represents the subsequent tests of the same flight plan assuming that the flight plan was modified as a result of the original discrepancy.

<u>P04202</u> - Probability of no discrepancy in the flight plan because of operational or environmental conditions. This is the probability that the flight plans submitted by the pilot and reviewed by the system will be consistent with such factors as weather, airspace restrictions, airport status, communications and navaid status, and other air traffic management facilities. It is handled as two probabilities. The first probability represents the first time the test is made. The second probability represents the subsequent tests of the same flight plan assuming that the flight plan was modified as a result of the original discrepancy.

<u>P04203</u> - Probability of no discrepancy in the flight plan because of probed conflict detection. This is the probability that the flight plan submitted by the pilot and **reviewed** by the system will not have inconsistencies or create conflicts with other approved flight plans. It is handled as two probabilities. The first probability represents the first time the test is made. The second probability represents the subsequent tests of the same flight plan assuming that the flight plan was modified as a result of the original discrepancy.

# Page 3.3-4

<u>P04205</u> - Probability of no discrepancy in the flight plan because of rules and procedures. This is the probability that the flight plan submitted by the pilot and reviewed by the system will be consistent with rules, regulations, minimum standards, and procedures. It is handled as two probabilities. The first probability represents the first time the test is made. The second probability represents the subsequent tests of the same flight plan assuming that the flight plan was modified as a result of the original discrepancy.

<u>P04206</u> - Probability of no discrepancy in an airfiled flight plan because of flight progress. Given that a pilot airfiles a flight plan, this is the probability that the aircraft will be at the beginning point of the airfiled flight plan at the specified time.

<u>P04207</u> - Probability of no discrepancy in the flight plan because of user class and pilot for that flight. It is handled as two probabilities. The first probability represents the first time the test is made. The second probability represents the subsequent tests of the same flight plan assuming that the flight plan was modified as a result of the original discrepancy.

<u>P04401</u> - Probability that the pilot will not accept the flight plan with modifications. Given that the pilot's original flight plan had to be modified, this is the probability that the pilot will not accept the approved flight plan with the modifications.

<u>P04402</u> - Probability of the pilot resubmitting a flight plan after rejecting. Given that the pilot rejected the flight plan because of revisions made by the system, this is the probability that he submits a new (revised flight plan).

<u>P05101</u> - Probability that the aircraft identification code is required. This probability depends upon the particular air traffic management system. Up to eight user class categories can be used.

 $\underline{C05102}$  - Maximum permissible duration of one repetition of Task 5.1.2. This is the length of time to determine if the aircraft is approaching the limits (X, Y, altitude, time) of its clearance.
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<u>P05103</u> - Probability of a retry in approach. Given that an approach is missed, this is the probability that an aircraft will attempt again to land at the same airport, as opposed to going to the alternate airport.

<u>TLKAHD</u> - Look ahead time for 7.1.1 used in 5.2.3. When determining the clearance limit (X, Y, altitude, time) it is necessary to look ahead to determine if there are no medium term conflicts with other intended time-position profiles.

<u>C05302</u> - Maximum acceptable time for pilot response to clearance. After the system transmits a clearance to the pilot, it allows a certain time for the pilot to respond. It is also the maximum time allowed if no response is forthcoming.

 $\underline{F06100}$  - Time between updating Task 6.1. Task 6.1 consists of updating the aircraft current position. This input represents how often aircraft position is updated by the system.

<u>CO61AU</u> - Maximum permissible duration of the processing period for the automated portion of the aggregated tasks: Subfunction 6.1, Task 6.2.2, Task 6.3.1, Task 6.3.2. The definition of these tasks are:

Subfunction 6.1	-	Determine Present Aircraft Position
Task 6.2.2	-	Update Aircraft Actual Time and Position Profile
Task 6.3.1	-	Derive Rate of Change of Position
Task 6.3.2	-	Compute Short-Range Extrapolations

<u>CO61MN</u> - Maximum permissible duration of the processing period for the manual portion of the aggregated tasks: Subfunction 6.1, Task 6.2.2, Task 6.3.1, Task 6.3.2. This input is similar to CO61AU except it represents manual times.

<u>F07103</u> - Time between repeating Task 7.1.3. The purpose of this task is to determine the correct portion of the time-position profiles to be compared for long-term conflicts.

<u>C07103</u> - Maximum permissible duration of the processing period for Task 7.1.3. This time is the maximum time that the resource pool may be set busy doing the large block of processing done by Task 7.1.3. Since the number of aircraft to be processed are derived from this time, it may be sensitive to the maximum time for Tasks 7.1.3 or 7.1.4.

<u>P07104</u> - Probability that there will be no long-range conflicts among flight plans for this aircraft. The long-range time is defined by input TLKAHD in Function 5. <u>P07201</u> - Probability that there will be no current out-of-tolerance when the tolerances have been expanded. Given that the flight has exceeded the specified tolerances, the tolerances may be expanded on a temporary basis to cover certain situations. This is the probability that the flight will not exceed the expanded tolerances.

E07401 - Maximum time that expanded tolerances can be applied. This is the upper limit on how long the tolerances may be expanded on a temporary basis to cover certain situations.

F07201 - Time between repeating Task 7.2.1. Task 7.2.1 determines the time associated with the latest report of aircraft position and determines the aircraft's intended position at current time.

F07301 - Time between repeating Task 7.3.1. Task 7.3.1 determines future time-position data points by selecting the portions of the intended time-position profile corresponding in time and length to the short and long range predictions.

<u>P07302</u> - Probability that there is not a short-range deviation exceeding tolerances for aircraft. This figure is based on a forecast that looks several minutes ahead to predict whether an aircraft may exceed tolerances.

<u>F08101</u> - Time between repeating Task 8.1.1. Task 8.1.1 selects an airspace volume and time interval to be used for conflict prediction.

F08102 - Time between repeating Task 8.1.2. Task 8.1.2 predicts the path of an aircraft in terms of the probability that the aircraft will be located in a given area at a given time.

F08103 - Time between repeating Task 8.1.3. Task 8.1.3 identifies path prediction profiles in the selected airspace and time frame. This time determines the rate at which conflict prediction is carried out.

F08105 - Inverse of F08103.

H08107 - Conflict imminence threshold. This input is used to determine whether a pair has a high imminence of conflict. It is the minimum time to conflict if an aircraft moves directly toward another aircraft. If the imminence determined by the hazard evaluation algorithm is less than H08107, then the pair is considered to have high imminence. Imminence and probability of conflict are evaluated to determine required action.

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F08108 - Frequency of careful monitoring task. Given that a low probability of conflict, high imminence pair exists; this input is the number of times the pair is monitored for unexpected deviations each time the potential hazard exists.

<u>PO82PR</u> - Probability that a pilot will respond to conflict resolution message. After the hazard evaluation algorithm determines that a performance change is needed, the performance change is determined and transmitted to the pilot. This input is the probability that the pilot will respond to the message.

<u>PO82RV</u> - Probability that a performance change revision is required if there is no pilot response. Given that the pilot does not respond to the original performance change request, this is the probability that a further change is required, such as having another aircraft change performance.

<u>REPLYT</u> - Maximum time allowed for pilot to respond to performance change message. Given that the pilot does not respond to the original performance change request, this is the time the system will wait before deciding if a performance change revision is required.

<u>F09100</u> - Time (in hours) between repetitions of subfunction 9.1, Maintain Predicted Arrival/Departure Schedule for Each Airport. That is, F09100 is the rate of this periodic subfunction.

<u>CO9100</u> - The maximum permissible duration (hours) of one repetition of subfunction 9.1. More specifically, one repetition of 9.1 ideally would encompass all aircraft in the jurisdiction; however, due to the work load on a controller, he may be required to accomplish other tasks in his task queue before this subfunction could be completed. Thus, the controller normally would work on this subfunction for some maximum amount of time before going to his next task. This time is CO9100.

<u>P09202</u> - The probability that there will be an acceptable distribution of arrivals and departures at a terminal. Specifically, **P09**202 is the probability that there will be no excess demand and/or slack in the predicted schedule of arrivals and departures. P11000 - Probability that further vectoring is not required.

<u>P11101</u> - P11101 is a three element vector, containing probability that vectoring is not required for (1) course, (2) speed, or (3) altitude respectively. This probability occurs in the DELTA model in three parts of the program corresponding to the type of vectoring desired.

<u>C11502</u> - Maximum permissible time for pilot to respond to a vectoring message from the controller.

<u>P11503</u> - The probability that no retransmission of a vectoring message is required. That is, when a vectoring message has been given, the pilot may

- (1) respond as commanded
- (2) not respond as commanded, requiring a retransmission
- (3) not respond as commanded, requiring a declaration of emergency.

The probability P11503 refers to (2).

<u>P12104</u> - When the pilot requests information, this is the probability that this information requested is available. This information is provided under the function, Provide Flight Advisories and Instructions (Function 12).

<u>M12202</u> - Maximum number of aircraft for the selective distribution of flight advisories. The system has the choice of distributing these advisories individually to aircraft or to all the aircraft simultaneously.

<u>C12207</u> - Maximum permissible duration (hours) of one repetition of Task 12.2.7, Correlate Present Position with Distribution Position (task from Provide Flight Advisories and Instructions). When a flight advisory is to be issued, aircraft must be issued the advisory at the advisory distribution point. This task monitors the aircraft to determine when they arrive at this distribution position.

<u>C12301</u> - Maximum permissible duration (hours) of one repetition of task 12.3.1, Determine Endangered Aircraft, (i.e., determine aircraft that must be issued a flight advisory).

<u>P12304</u> - This is the probability that the pilot desires vectoring around the advisory region (perhaps a thunderstorm).

F13100 - The maximum possible duration (hours) of one repetition of subfunction 13.1.

<u>P13201</u> - The probability that no communication channel change is required. A channel change may occur at the time of handoff.

F17300 - Time (hours) between repetitions of subfunction 17.3, Data Base Maintenance.

<u>RISKT</u> - Risk threshold. If the risk computed by the hazard evaluation is greater than RISKT, then that pair is considered to be a high probability pair and the potential conflict must be resolved. RISKT is a probability and is unit-free.

<u>RISKL</u> - Low risk threshold. This threshold, set much lower than RISKT, is used to eliminate the many very low risk pairs. RISKL is a probability and is unit-free.

 $\underline{\emptyset LTRP}$  - Two dimensional variable. One level threshold for manual ( $\emptyset CTRP(1)$ ) and automatic ( $\emptyset LTRP(2)$ ). If controller is busy more than  $\emptyset LTRP$  of the time, he is too busy. There are percent thresholds and are unit-free.

 $\underline{ST}$  - Short term overload threshold for a man. That is, a controller who is busy 100% of the time should not continuously work longer than ST (hours).

<u>MIPSAP</u> - Model movement in MIPS. Specifically, this is the number of MIPS the model will increment the machine (computer) in order to add resources to the given task.

<u>ISEED</u> - Seed for random number generators. Any large odd integer will suffice as an input value.

<u>SIDE</u> - Lentth of the side of a grid square used for conflict detection (CØNDET) in n.mi.

 $\underline{\text{DSEPSQ}}$  - Minimum separation distance (n.mi) squared. That is, this is the ATM system safety criteria of miss distance.

<u>DTERR</u> - Maximum error in estimated (i.e., predicted) time of conflict occurrence. This number is multiplied by a number drawn from a (-1, 1) uniform distribution (U(-1, 1)). DTERR is in hours.

<u>WARNTM</u> - Warning time for conflict detection. Specifically, this is the time the controller requires, before a predicted conflict, to begin and complete a precise hazard evaluation and notify the pilot to perform a resolution maneuver, if necessary, in hours. ITYPER - Type of navigation error.

If ITYPER = 1, the error is constant (uniformly distributed) between two fixed points.

If ITYPER = 2, the error increases (beginning at 0) from one fixed point to the next.

If ITYPER = 3, the error increases to the midpoint of the segment joining the two fixed points, and then decreases to zero.

<u>ALPHA</u> - Autocorrelation coefficient for the navigation error. That is, this is a smoothing constant, necessary to prevent the error from oscillating erratically, over a time span. ( $0 \le ALPHA \le 1$ ).

<u>SHAPE</u> - This constant defines the shape of the navigation error (i.e., it is the coefficient of negative exponential distribution, defining the navigation error).

<u>SMAXX</u> - Maximum allowable navigation error is the X coordinate of the aircraft position (n.mi).

<u>SMAXY</u> - Maximum allowable navigation error is the Y coordinate of the aircraft position (n.mi).

<u>SMAXZ</u> - Maximum allowable navigation error in altitude (coordinate) of the aircraft.

<u>D1, D2</u> - The trapezoidal distribution used for speed bias is uniform in the internal [-D1, D1] and triangular in the intervals, [-D2, -D1] and [D1, D2].



<u>SDNUM</u> - The number of standard deviations used for the conflict detection error.

<u>TIMMS</u> - Time between calls to the metering and sequencing algorithm, in hours. <u>XLANDT</u> - Time before metering and sequencing assumes control over the aircraft (i.e., this is the time, before aircraft arrival at the feeder fix, to update the aircrafts' phase of flight to arrival transition), in hours. <u>FØRCST</u> - Model look ahead increment. All aircraft will be examined FØRCST into the future, in hours.

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Card No.	Name	Column	Format	Value/Description
1	NTASKS	3–5	15	Number of tasks
	MTASK	23–25	Ø20	Mask word used in FUNC- TIØN IDESCN (Should con- tain Ø777 right justified).
2	KTASK(I)	11-15	14	I=1, NTASKS LCC (logic control chain) number
NTASK <b>S</b>	KPØØL(I)	16-19	14	I=1, NTASKS Number of the resource pool that performs task
Times	KPRIØ(I)	20-23	14	I=1, NTASKS Priority
K	KTIME(I)	24-31	18	<pre>I=1, NTASKS If KTIME(I) &lt;0, Number of 100 instruc- tions for automated task =0, task is bypassed &gt;0, pointer to vector in TMAN</pre>
3	NTMAN	4-5	15	Number of task times
NTMAN Times	TMAN(I,J)	32-41 42-51 52-61	F10.7 F10.7 F10.7	I=1,3; J=1, NTMAN distribu- tion of performance time required for manual resource to perform task J
5	NRSPNC	5	15	Number of pilot responses
	MRSPNC	23–25	Ø20	Mass word used in FUNCTIØN IDESCN
NRSPNC 6	KRSPNC(I)	7-10	14	I=1, NRSPNC Task number
Times	KRSPNT(I)	11-14	14	I=1, NRSPNC Pointer to time
7	NRSPNT	5	15	Number of response times
NRSPNT 8 Times	RSPNCT(I,J)	15-24 25-34 35-44	F10.7 F10.7 F10.7	I=1,3; J=1, NRSPNT Response time for pilot resource to perform task J

# 3.3.3 INITIA - Task Allocations and Times

# 3.3.4 INITIA - Jurisdictions

	Card	No.	Name	Column	Format	Value/Description
	1		NJURD	1-10	110	Quantity of jurisdictions
_	·	_	NRP	11-20	110	Quantity of resource pools
	2	-	MEMID(MJURFL)	1-4	A4	Jurisdiction name, left justified
NJU Tip	JRD		ICAP (MJURFL)	6-15	110	Capacity of jurisdiction; if negative, number of runways
			CEIL (MJURFL)	16-25	F10.3	Ceiling altitude; units- feet
		FLØØR(MJURFL)	26-35	F10.3	Floor altitude; units- feet	
	Terminal Only NRP Times	IDSKRW(K)	1-10	110	Disk record number for terminal file	
		PMSDAP (K)	11-20	F10.0	Probability of a missed approach for terminal	
		NØELMT (JRPFIL)	1-10	110	Initial number of elements per resource pool	
			MXELMT(JRPFIL)	11-20	110	Maximum number of elements per resource pool
			IMAN	22-24	A3	Indication of resource typed (MAN=Manual, AUT=Automated)
NTI	5		JURID	1-4	A4	Jurisdiction name, left justified
Tin	nes		NVERT	5-7	13	Number of floor vertices
1	۴ ا	•	XVERT (IPTRV)	6-15	F10.3	X-coordinate of vertex
-	NVERT		YVERT (IPTRV)	16-25	F10.3	Y-coordinate of vertex
	Times	-	NADJS	26-28	13	Number of jurisdictions adjacent to vertex



# 3.3.5 INITIA - Aircraft Type

Card No.	Name	Column	Format	Value/Description
1	NTYPE	1-5	1 <b>5</b>	Number of aircraft type
2	MEMID(KTYPE)	1-4	A4	Aircraft type identifier
	ITYPAC(KTYPE)	7	13	Type number of the aircraft type file
	JSPD(KTYPE)	8-10	13	Speed class
	THETT (KTYPE)	11-20	F10.0	Turn rate; units - rad/sec
	RMSQA(KTYPE)	21-30	F10.0	Desired aircraft hori- zontal miss distance squared; units - (nmi) <sup>2</sup>
	RALTA (KTYPE)	31-40	F10.0	Desired aircraft vertical miss distance; units - nmi.
NTYPE Times	IALT(KTYPE)	41-45	15	Indication of avail- ability of altitude information
				IALT = IALT = IALT = I, altitude infor- mation available
	ALTL (KTYPE)	46–55	F10.0	Minimum altitude, units - nmi.
	ALTH(KTYPE)	56-65	F10.0	Maximum altitude, units - nmi.
	CRATE(KTYPE)	1-10	F10.0	Climb or dive rate; units nmi.
	TLEAD (KTYPE)	11-20	F10.0	△ (delta) time before air- craft enters Metering and Sequencing, measured from feeder fix to feeder fix; units - hrs.
	FSF(KTYPE)	21-30	F10.0	Difference between nominal flight time and endurance from current location to feeder fix; units - hrs.

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# INITIA - Aircraft Type (Cond't)

Card No.	Name	Column	Format	Value/Description
Cond't of 2	ACRØT (KTYPE)	31-40	F10.0	Runway occupancy time; units - hrs.
	THETH (KTYPE)	41-50	F10.0	Turn rate in hold pattern
	DTRTM(KTYPE)	51-60	F10.0	Departure transition time interval; units - hrs.

# 3.3.6 Exogenous Event Formats

T03000 - Prepare Flight Plan

Card No.	Name	Column	Format	Value/Description
1	LCCNO	3	13	16
	TIME	4-14	F11.6	Time of filing for flight plan (hr)
2	ACID	1-4	<b>A</b> 4	Aircraft identification, unique identifier
,	ICLASS	5-7	13	User class (avionics), not examined
	ITYPE	9-12	A4	Aircraft type, matching an existing aircraft type file MEMID.
	IPRTY	13-16	14	Priority of flight plan, not examined.
	IPHASE	17-19	13	Current phase of flight, between 1 and 8, see section 2.0.
	ENDUR	20-30	F11.4	Endurance (hr)
	IØRGAP	32-35	A4	Origination airport or current jurisdiction (if airborne)
	ACETD	36-46	F11.4	Estimated time of departure
_	ICTL	47-48	12	Controlled aircraft - O=no, 1=yes
	INTND	49-50	12	Intentions known - )=no, 1=yes
	IDEST	52-55	A4	Destination
	IALTD	57-60	A4	Alternate destination
	IFR	61-62	12	IFR aircraft - O=no, l=yes
	IVFR	63-64	12	VFR aircraft - O=no, l=yes
	NFIX	65-66	12	Number of points in time/position queue
3	x	1-10	F10.4	Initial x-coordinate (nmi)
	Y	11-20	F10.4	Initial y-coordinate (nmi)
	Z	21-30	F10.4	Initial z-coordinate (feet)

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Card No.	Name	Column	Format	Value/Description
3 Contid	XVEL	31-40	F10.4	Initial x-component of speed (kt)
come a	YVEL	41-50	F10.4	Initial y-component of speed (kt)
	ZVEL	51-60	F10.4	Initial z-component of speed (ft/sec)
	IENTER	61-62	12	Intentions known and entering ATM system for first time - O=no,l=yes
	IDPRW	63-64	12	Departure runway number ,
4 (NETX) 2)	XINTND	1-11	F11.4	X-coordinate of intended position (nmi)
(NFIX+3)	YINTND	12-22	F11.4	Y-coordinate of intended position (nmi)
	ZINTND	23-33	F11.4	Z-coordinate of intended position (ft)
	SPDLEG	34-44	F11.4	Average speed during this leg (kt) [for landing aircraft, last speed = -(feeder fix*100 + runway number)]

Card No.	Name	Column	Format	Value/Description
1	LCCNO	3	13	3
	TIME	4-14	F11.6	Time of request
2	AC	1-4	<b>A</b> 4	Aircraft id - e.g., U234

# T01101 - Accept Data Link Request

T01102 - Accept Telephone Request

Card No.	Name	Column	Format	Value/Description
1	LCCNO	3	13	4
	TIME	4-14	F11.6	Time of request
2	AC	1-4	A4	Aircraft id - e.g., U234

T06400 - Capability Change/Status Change/Emergency

Card No.	Name	<u>Column</u>	Format	Value/Description
1	LCCN0	3	13	58
	TIME	4-14	F11.6	
2	ACNAME	1-4	A4	Aircraft id - e.g., U234

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Card No.	Name	Column	Format	Value/Description
	ISTAT	5-6	12	1 = status change; 0 = none
	ICAP	7-8	12	1 = capability change; 0 = none
	IEMER(1)	9-10	12	1 = emergency; 0 = none
	IEMER(2)	11-12	12	<pre>1 = previously recognized; 0 = none</pre>
	IEMER(3)	13-14	12	1 = description adequate; 0 = not
	IEMER(4)	15-16	12	<pre>1 = ground support required; 0 = not</pre>
	IEMER(5)	17-18	12	l = other aircraft required; 0 = not
	IEMER(6)	1 <b>9-</b> 2Q	12	<pre>l = technical instructions required; 0 = not</pre>
	IEMER(7)	21-22	12	1 = comm link required; 0 = not
	IEMER(8)	23-24	12	1 = guidance required; 0 = not
	IEMER(9)	25 <b>-</b> 26	12	1 = other aircraft available; 0 = not
	ETIME	27-46	F11.4	Duration of emergency (hr)

T15102 - Acquire and Analyze Data on Progress of Service

Card No.	Name	Column	Format	Value/Description
1	LCCNO	3	13	161
	TIME	4-14	F11.6	Time of event
2	ACNAME	1-4	A4	Aircraft id - e.g., U234
	IRQST	5-6	12	0 = initial request, 1 = update
	ISAFE	7-8	12	<pre>1 = cease service due to safety; 0 = continue</pre>
	IQUIT	9-10	12	<pre>1 = service no longer needed; 0 = continue</pre>
	ISPEC(1)	11-12	12	l = need new flight plan priority

Card No.	Name	Column	Format	Value/Description
2 Cont <sup>1</sup> d	ISPEC(2)	13-14	12	1 = need for guidance
Conc u	ISPEC(3)	15-16	12	1 = need for advisories

# 3.3.7 DATAFIL - Date and Title Card

Card No.	No. Name Co		Format	Description
1	Title	2-65	16A4	Date and title of run.

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Page 4.1-1

#### 4.0 CARD DECK PREPARATION

#### 4.1 DATA PREPARATION

The data described in the previous section can be prepared by punching paper tape off-line and loading onto a disk file through the use of the RTAPE command or by loading directly from the on-line terminal through the use of the TRW/EDITOR. All data is loaded according to standard FORTRAN rules. The program reads data in two forms: formatted input and namelist input.

The formatted input is described explicitly in Section 3.3. Data should be entered in the indicated columns. If a data item has an "I" or integer format, then it must be input as a right-justified integer value with no decimal. Data items with an "F" or fractional format are input anywhere within the specified columns as long as a decimal is specified. A blank entry within a specified field will be read as a zero.

The namelist variables are described in Section 3.3.2. The namelist is initiated by a \$INP card. All data read by namelist must be between columns 2-80. Data is input by specifying the variable name, an equal sign, the value, and a comma as a delimiter. For an array the array name and equal sign are specified, then the list of values for the array beginning with the first element and proceeding to the last. The variable name may be specified in any order. If a variable should be specified more than once, then the last occurrence of the variable is used. The namelist data is terminated by a \$END card. For example,

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Page 4.2-1

#### 4.2 JOB STREAM SETUP

Table 4.2-1 shows a control card setup for executing the DELTA simulation and the Post Processor on the TRW CDC6X00/CYBER74 computers. The first seven cards are Administrate and general control cards. The user should provide his own user ID and password on the account card.

The directives begin with the GET command. This command brings a copy of the permanent files into the working storage area. The SET card presets core to an indefinite value as a debug aid in finding variables which have not been properly set before use. The LINK card causes the loader to read directives and load binary files. The X parameter causes execution of the loaded programs; the LO parameter specifies the desired load map options. The output file TAPE14 is sorted using the SORTC utility. The LOAD and EXECUTE cards are a simpler version of the LINK card defines where processings is to resume following an abnormal termination in one of the programs.

The user is referred to the TRW/TSS System Reference Manual for a more detailed discussion of each of the directives. In the example in Table 4.2-1, the input files contain the following information:

OV - overlay directives,
 RJSMNB - binary deck of the MAIN program,
 BN - binary deck of any modified routines; used to override BBEST,
 BBEST - binary decks of DELTA simulation
 NSALSIM- library of SALSIM binary decks
 TAPE5 - scenario input data
 TAPE30 - terminal input data; random access file produced by Terminal Generation Program,
 BPOST - binary deck of Post Processor.

For a more detailed description of the rules and options available with various formats, the user is referred to the Fortran Reference Manual, CDC No. 60174900. A sample of the input data is shown with the test case in Section 6.0.

# TABLE 4.2-1 JOB STREAM SETUP FOR DELTA SIMULATION AND POST PROCESSOR

ACCOUNT, LG 54291, PASSWORD. NAME, 672200, 54201, GREEN, L. PROBLEM, 9996 E7. PROGRAM, ATMS 60A. PRIORITY, N. MAXTIM, 300. BANNER, OUTPUT, W1, 1653. GET, BBEST, OV=OVNEW, NSALSIM, BN=BNEWLIB, RJSMNB=BBATC4, ACCOUNT=LG54201. GET, TAPE5= SF069A, ACCOUNT=LG54291. GET, TAP E39 = SFOTRMF, ACCOUNT=LG54291. SET, INDEF, ADDR. LINK, I=0V, I1=RJSMNB, I2=BN, I3=BHEST, P=NSALSIM, X, L0=SB, L=MAP614. TIME. REPLACE, MAP 604 . REPLACE, TAPE6=T660A. COPYBF, TAPE6, OUTPUT. REPLACE, TAPE14=T14604. GET, TAP E7= T14604. SORTC, TAP E7, K=17,25,L=4,4. GET, TAPE8= T1460A. SORTC, TAP E8, K=21, 17, L=4,4. GET, BPOST, ACCOUNT=LG54201. SET, INDEF, ADDR. LOAD, BPOST. EXECUTE, POSTPRC, OUTPUT=POST604. REPLACE, POST604. REWIND, POST60A. COPYEF, POST604, OUTPUT. COPYDF, DAY60A. TIME. REPLACE, DAY 604 . EXIT. CLEARSW, SY. DMP,113500. REWIND, MAP 604. COPYBE, MAP 60A, OUTPUT. REWIND, TAPE6. TAPE14. REPLACE, TAPE6=T6604. REPLACE, TAPEL 4= T14604 . COPYBE, TAPE6, OUTPUT. COPYDF, DAY 60A. REPLACE, DAY 69A.

#### Page 5.1-1

#### 5.0 OUTPUT REPORT SPECIFICATIONS

## 5.1 INTRODUCTION

The DELTA simulation generates two reports for the user: the DELTA Run Summary and the DELTA Post Processor Report. The Run Summary gives a detailed description of the resource utilization of each element in each resource pool by jurisdiction, the state of any aircraft remaining in the system, and the utilization of dynamic memory for this run. The Post Processor Report counts the occurrences of each task which was performed within a jurisdiction and within the total model and presents a summary of the tasks performed for each aircraft and a list of the phases of flight through which each aircraft passed. · · ·

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5.2 DELTA RUN SUMMARY

This section contains examples of the DELTA Run Summary which is produced by the routine DATAFIL in the DELTA simulation. The examples are presented in five figures which are computer printouts of an actual run. The printouts are annotated with circled numbers which are described below. Figures 5.2-2 to 5.2-4 show the different formats for a jurisdiction summary. Figure 5.2-2 illustrates the format for a terminal jurisdiction. The different formats which can occur for an en route jurisdiction are shown in Figures 5.2-3 to 5.2-4. Figure 5.2-3 shows the extra print resulting from an aircraft remaining in the jurisdiction at the end of the simulation run.

The parameters on the Summary Report are described below. The number preceding the description corresponds to the circled number on the figure.

- 1. Report title.
- 2. Run title (from TAPE5).
- 3. Max time for this simulation run (hours).
- 4. "High water mark" of dynamic memory actually used in this run.
- 5. Max value of dynamic memory allocated for this run.
- 6. Jurisdiction name. Terminal is added when a jurisdiction is a terminal.
- 7. Number of aircraft remaining in the en route jurisdiction.
- 8. Input capacity for the en route jurisdiction.
- 9. Number of aircraft remaining in the terminal jurisdiction.
- 10. Number of aircraft awaiting to be sequenced for the terminal.
- 11. Number of aircraft being sequenced by the terminal.
- 12. Description of aircraft remaining in the jurisdiction. The description consists of a sequential count, the aircraft id, the aircraft type, its phase of flight, the game time at which its input endurance will be

expended, the last game time when this aircraft was updated by MOVAC, and the ACBITS states vector for this aircraft.

- 13. The type of resource pool--manual in this case.
- 14. The resource pool number.
- 15. The current number of resource elements available at the end of the run.
- 16. The maximum number of resource elements available during the run.
- 17. The number of tasks in the resource pool queue awaiting to be processed at the end of the run.
- 18. The dynamic memory pointer for the resource element.
- 19. Game time at which the resource element was created-i.e., time first available (hr).
- 20. Time next available = time first available + cumulative busy time/overload threshold (hr).
- 21. Cumulative busy time is the sum of all the element's busy time (hr).
- 22. Percentage busy time = cumulative busy time/(max time time first available) (hr).
- 23. The type of resource pool--automated in this case.
- 24. The current automated computing rate in use at the end of the run (hundreds of instructions/sec).
- 25. The maximum automated computing rate available during the run (hundreds of instructions/sec).
- 26. End of report heading.



FIGURE 5.2-1. DELTA RUN SUMMARY, FIRST PAGE

1	FIGURE	5.2-2. DEI	TA RUN SUMMARY, E	Page	5.2-4	
IERMITAL JURISDIGIION: 3F0         SONTNINED       1 AIRDRAFT         G       SONTNINED         G       AIRCRAFT WERE AMAITING SEDUENCING         AIRCRAFT WERE BEING SEQUENCED       D	40 A/C TYPE P EMDURANCE UPDATE TIME STATE VECTOR 1 2330 4503 7 3.49794000 1.99992000 000900000000020721000 (12)	LE RESOURCE DATA RESOURCE DATA LN RESOURCE POOL 1 USING 5 OF 6 MEN 21 TASKS LEFT	AVAILABILITY TIMES       CUMULATIVE       PERCENTAGE         AVAILABILITY TIMES       OUNULATIVE       PERCENTAGE         234       0       0.0000000       1.57003642       1.57003642       78.501821         277       0.0000000       1.57003642       1.57003642       78.501821         277       0.0000000       1.57003642       1.553067691       79.033841         273       0.0000000       1.593057631       1.553057631       79.033841         273       0.0000000       1.593057631       1.553057691       79.033641         273       0.0000000       1.593057631       1.553057691       79.033641         273       0.0000000       1.593057632       79.103541         263       0.0000000       1.57965320       1.577632       79.103541         256       0.0000000       1.57965320       1.577652       79.103541         254       0.0000000       1.57965320       1.577652       79.409113	IN       RESOURCE       POOL       PUSING       FOF       FOF	JTO RESOURCE POOL 3 USING 50 DF 100 HI/S 0 TASKS LEFT AVAILABILITY TIMES CUMULATIVE PERCENTAGF ELEMENT FIDEST NEXT BUSY-TIME BUSY TIME 316 0.0000000 .31401022 .91401022 45.700511	NN RESOURCE POOL 4 USING TI DE TASKS LEFT AVAILABILITY TIMES CUMULATIVE PERCENTAGE ELEMENT FIRS CUMULATIVE PERCENTAGE 332 0.010000 0.000000 0.000000 0.000000 332 0.0100000 0.000000 0.000000 0.000000

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Page 5.2-5

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FIGURE 5.2-2. DELTA RUN SUMMARY, EXAMPLE 1 (contd.) ł 1 0.00020000 ! ł 3.90062300

RESOURCE POOL 5 USING 1 DF. 5 MEN 0 TASKS, LEFT AVAILABILITY TIMES CUMULATIVE PERCENTAGY ELEMENT FIRST NEXT BUSY TIME BUSY TIME 343 0.000000 0.0000000 0.000000

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		•	FIGU	RE 5	2-3.	DELT ,	A RL	JN S	SUMMA	IRY.	, EXAM	<b>I</b> PLE	Pa	ge 5	.2-	<b>6</b>		• •	
	ECTOR			G) 46 TASKS LEFT	PERCENTAGE	95.820088 ( 85.594378 86.172495	86.000757 95.357701	85.780 645	D TASKS LEFT	PERCENTAGE	40.268572	DERCENTAGE		DICSTON	PERCENTAGE		0 TASKS LEFT Percentage	°BUSY TIME 16.118283	
) :???ffT	STATE VI	<u> </u>		ه ۹	CUMULATIVE	/1.716401766 1.71188756 1.77344991	1.72001514	1.71561291	3 MEN	CUMULATIVE	. 805 37144	1000 HIZS	BUSY TIME		CUMULATIVE	000000000	5 MEN CUMULATIVE	8057 TIME	
JURISILETION: AP-5 C	A/C TYPE P ENDUPANCE UPDATE TIME	3496 4004 6 3.45350000 1.99932000	RESOURCE DATA	RESOURCE POOL 1 USING 6 OF	AVAILABILITY TIMES ELEYENI FIRST () VEXT ()	416 0.0000000 1.71640176 409 0.0000000 1.71188756 412 0.0000000 1.71183756	395 <u>3.0000000 1.72001514</u> 383 3 0000000 1.72001514		RESOURCE POOL 2 USING 1 OF	AVAILABILITY TIMES	432 0.0300000 80537144	ŘESOŬŘCĚ POJL – 3 ÚSING – 53 OF JVATLARTLITY TIMES		RESULTE DADI & HELVE - 1 DE	AVAILABILITY TIMES		RESOURCE POOL 5 USING 2 OF AVAILABILITY TIMES	ELEMENT FIRST NEXT 1911 64010963	 
	0 N	· <del>•</del> •1	•	() Name Name Name Name Name Name Name Name			I		MAN	ı	8	AUTO		N N N			MAN		

. . .... 32.693136 .65386272 .65396272 0.000000000 430

FIGURE 5.2-3. DELTA RUN SUMMARY, EXAMPLE 2 (contd.)

			ASKS LEFT	NTAGE TIME 20 10703	197768 12277	97756 12667	ASKS LEFT NTAGE TIME	76269 ASKS LEFT NTAGE TIME 27778	ASKS LEFT Ntagf Time 00000	ASKS LEFT NTAG <sup>e</sup>
ھ) ) Airstaft	IME STATE VECTOR	· · ·	0F 5 MEN 63 1	CUMULATIVE PERCE AUSY TIME BUSY 0601.8J2214060 90.1 93 1.79225733 89.6	37 1.79995537 89.9 55 1.78944555 89.4	12 1.73135512 89.5 34 1.73945334 89.9	OF 3 MEN 0 7 CUMULATIVE PERCE BUSY TIME BUSY	3A 1. 06752538 53.3 0F 1000 HI/S 0 1 6UMJLATIVE PERCE BUSY TIYE BUSY 56 .90455556 45.2	0F 1 MEN 0 1 CUMULATIVE PERCE 3ÚSY TIME BÚSY 00 0.0000000 0.0	OF 5 YEN CLARINE PERCE
JUPISUISTION: A°-3 TAINED DE 51.	AIRGRAFT DATA P ENDURANCE UPDATE T	PESOURCE DATA	POOL 1 USING 6	AVAILABILITY TIMES FIRST (0.000000) 0.0000000 (1.792257)	0.00000000 1.799955	0.00000000 1.791955 0.0000000 1.799453	POOL 2 USING 1 AVAILABILITY TIMES FIRST NEXT	9.900000000000000000000000000000000000	POOL 4 USING 1 AVAILABILITY TIMES FIQST 0.000000	POOL 5 USING 1 AVAILABILITY TIMES
	NO A/C TYPE		(3) MAN RESOURCE	ELEYEN	534	520 513	MAN RESOURCE Element	AUTO RESOURCE	MAN RESOURCE ELEMENT 596	MAN RESOURCE

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FIGURE 5.2-4. DELTA RUN SUMMARY, EXAMPLE 3

Page 5.2-9

FIGURE 5.2-5. DELTA RUN SUMMARY, LAST PAGE

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#### 5.3 DELTA POST PROCESSOR REPORT

This section contains examples of the DELTA Post Processor Report which is produced by executing the DELTA Post Processor following a DELTA Simulation run. The examples are presented in three figures which are computer printouts of an actual run. The printouts are annotated with circled numbers which are described below. Figure 5.3-1 shows a page from the Task Summary by jurisdiction. It contains a count of each task occurrence by jurisdiction and by total. Figure 5.3-2 shows the first page of the Aircraft Summary. It shows the count for all tasks performed for this aircraft, the program states, and changes in the phase of flight.

The parameters on the Report are described below. The number preceding the description corresponds to the circled number on the figures.

- 1. Task number.
- 2. Jurisdiction id.
- 3. Number of occurrences of this task for this jurisdiction.
- 4. Task number.
- 5. Number of occurrences of this task during the run.
- 6. Aircraft id.
- 7. Task number.
- 8. Number of occurrences of this task for this aircraft.
- 9. Aircraft id.
- 10. Entry of this aircraft into the simulation.
- 11. Game time for the specified event (hr).
- 12. Jurisdiction id in which this event occurred.
- 13. Boundary crossing event.
- 14. Cancelled in an en route jurisdiction implies that the aircraft flew out of the jurisdictions being modelled for this run.

- 15. Indicates a change in the phase of flight.
- 16. Name of the new phase of flight.
- 17. Cancelled at a terminal while in landing phase implies the aircraft has landed and was removed from the system.

18. Indicates where the aircraft was at the end of the simulation run.
|   |                     |         |                 |        |                   |                         |     |             |      |       |      |             |               | · · · · · · · · · · · · · · · · · · · |      |      |                  | :        |      |                           |      |      |             |   |      |
|---|---------------------|---------|-----------------|--------|-------------------|-------------------------|-----|-------------|------|-------|------|-------------|---------------|---------------------------------------|------|------|------------------|----------|------|---------------------------|------|------|-------------|---|------|
|   |                     | ·       | • • • • • • • • |        |                   |                         |     |             |      |       |      |             |               |                                       |      |      |                  |          |      | ·                         |      |      |             | • |      |
|   | •                   | ٩       | 81.             |        |                   |                         |     | 62.         | 1    |       |      |             | <b>،</b> اد د |                                       |      |      |                  | 185.0    |      |                           |      |      | s 1841.     |   |      |
| 0 | 1.                  | 28<br>S | ASK 49 [        |        | <u>נ</u> ג        | <b>1</b><br>1           | 22  | ASK 50 I    | 6    | 8     | 9    | 11          | ASK 51 1      | 3 85                                  | 374  | 345  | 4 46<br>3 CO     | ASK SA I | 385  | 372                       | 4 50 | 2 89 | ASK 55 I    |   | 18   |
| 9 | . М-9<br>С-9<br>С-9 | SF0     | COUNT FOR T     |        | マレー<br>マレー<br>シレー | l III<br>I III<br>I III | SFO | COUNT FOR T | AR-3 | A R-5 | ER-N | <b>SF</b> 0 | COUNT FOR T   | AR-3                                  | AR-5 | ER-N | FR-S<br>SFO      |          | AR-3 | A K - 5<br>2 - 5<br>2 - 5 |      | SFU  | COUNT FOR T |   | NULL |
| 0 | 64<br>7<br>7        | 49      | TOTAL           | c<br>L | 0, 7              | 205                     | 50  | TOTAL       | 15   | 51    | 21   | 15          | TOTAL         | 54                                    | 54   | 54   | 5<br>7<br>7<br>7 | TUTAL    | 55   | 55                        | 5    | 55   | TOTAL       |   | 56   |

FIGURE 5.3-1. POST PROCESSOR TASK SUMMARY BY JURISDICTION

Page 5.3-3

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ALKCRAFT LIST

Page 5.3-4

·	FIGURE	5 3_3	POS		F550	R A	TRCRA	FT SI		Page 5.3	-5		
	TIGORE	3 <b>.</b> 3-3	EXA	MPLE 2		, U			, ,	•			
TU APRIVAL TAANSITIUM. TU APPRIJACH. TU LANDING.	TO ARRIVĄL TRANSITIUN. 5.	TO ARRIVAL TRANSITION.								5. AR-3. AR-5.	TÜ ARKIVAL TRANSITIUM. TÜ APPROACH. TC LANDING.	5FU •	om copy.
T 3.3520700000 T 3.5520700000 T 3.5427865946 T 3.8248426272	9179400000 IN ER-S T 3.9179400000 IN ER-S. () 9697700000 IN ER-S	T 3.9697700000 IN ER-S.								2464500000 IN ER-S .4969993713 TU .5914943040 TU .6763149264 TU	1 246450000 1 4305798268 1 7074567929	NI 6096100171 .	Reproduced fro best available
Image: State of the state	237 ENTERED AT 3. 237 CHANGED PHASE A 20N, AIRCRAFT 1237 239 ENTERED AT 3.	239 CHANGEC PHASE				A CARACTER AND A CARACTER ANTER ANTE				301 ENTERED AT 301 HANDED DFF AT 301 HANDED CFF AT 301 HANDED CFF AT	301 CHANGED PHASE 301 CHANGED PHASE 301 CHANGED PHASE 301 CHANGED PHASE	DUT VENCELLED AL	
A IRCFAFT 1 A IRCRAFT 1 A IRCRAFT 1 A IRCRAFT 1	AIRCRAFT 1 AIRCRAFT 1 AT END JF 1 AIRCRAFT 1	AIRCRAFT I AT END DF 3	ლ ლ ლ	4 10 4	2		υn m m		m m r	AIRCRAFT L BAIRCFAFT L AIRCFAFT L	AIRCRAFT I AIRCRAFT I AIRCRAFT I AIRCRAFT I	- 3 - 3 - 3	o m o
	65	4 B	49 50 51	59 17 27	73 74	15	76 121 123	124	126 127 128	D 7 1		48 6 4 0 4	1 0 0 0
	1239	1301	1301 1301 1301	1301 1301	1301	1301	1301 1301	1301	1301 1301			1302	1302 1302

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### Page 6.1-1

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#### 6.0 TEST CASE

### 6.1 INTRODUCTION

The example shown in this section is the model verification case run for the San Francisco terminal using the "raw data" flight plans provided by Stanford Research Institute; Menlo Park, CA. This case is referred to as SFORAW. The section is divided into four sub-sections: a description of the namelist inputs defined by TRW, a list of the complete TAPE5 file, the DELTA Summary Report, and the DELTA Post Processor Report.

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# 6.2 NAMELIST INPUTS FOR SFORAW

This section defines the namelist input used in the TAPE5 input file for the SFORAW case. The list includes a short definition of the variable and the input values. An example of how these variables appear in the input file is shown in Section 6.3.

LOCAL <u>NAME</u>	SHORT DEFINITION	INPUT <u>VALUES</u>	COMMENTS
F02000	Time between repetitions of Function 2	0.	Hours
P03000	Probability that preliminary flight plan needs no modifi- cation	.90 .96	First pass Subsequent passes
P04201	Probability of no flight plan discrepancy due to aircraft capability or status	.98 1.0	First pass Subsequent passes
P04202	Probability of no flight plan discrepancy due to operational or environmental conditions	.95 .98	First pass Subsequent passes
P042 <b>0</b> 3	Probability of no flight plan discrepancy due to probed conflict detection	1.0 1.0	First pass Subsequent passes
P04205	Probability of no flight plan discrepancy due to rules and procedures	.95 1.0	First pass Subsequent passes
P04206	Probability of no flight plan discrepancy due to flight progress	.95 1.0	First pass Subsequent passes
P04207	Probability of no flight plan discrepancy due to user class/ pilot qualifications	.98 1.0	First pass Subsequent passes
P04401	Probability of pilot rejection of modified flight plan	.02	,
P04402	Probability of pilot resub- mitting flight plan after rejection	.98	
P05101	Probability that aircraft Id code is required	0.	Up to 8 categories may be assigned. Not needed in todays' systems
CO5102	Maximum permissible duration of one repentition of Task 5.1.2	.013722	Hours
F05102	Time between repetitions of Task 5.1.2	.333333	Hours {

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LOCAL NAME	SHORT DEFINITION	INPUT VALUES	COMMENTS
P05103	Probability of retry in approach	1.0	
C05302	Maximum acceptable time for pilot response to clearance	.003332	Hours
F06100	Time between repetition of Subfunction 6.1	.008333	Hours
C061AU	Maximum possible duration for the processing period of the aggregated tasks 6.1, 6.2.2, 6.3.1, and 6.3.2 (automated portion)	.008300	Hours
CO61MN	Maximum possible duration for the processing period of 6.1, 6.2.2, 6.3.1, 6.3.2 (manual portion)	.014639	Hours
F07103	Time between repetitions of Task 7.1.3	0.	Hours. Not per- formed in today's system
CO7103	Maximum permissible duration of one repetition of Task 7.1.3	.283333	Hours
P07104	Probability of no long range conflicts due to flight plans for given aircraft	1.0	
P07201	Probability of no current out- of-tolerance expansion of tolerances	.98	
F07201	Time between repetitions of Task 7.2.1	.041667	Hours
F07301	Time between repetitions of Task 7.3.1	.166667	Hours
P07302	Probability of no short-range deviation for aircraft	.90	
E07401	Maximum time expanded tolerances can be enforced	.083333	Hours

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LOCAL NAME	SHORT DEFINITION	INPUT VALUES	COMMENTS
F08101	Time between repetitions of Task 8.1.1	0.	Hours
F08102	Time between repetitions of Task 8.1.2	.008333	Hours
F08103	Time between repetitions of Task 8.1.3	.008333	Hours
F08105	Inverse of time for Task 8.1.3 (F08103)	120.	Cycles/hours
H08107	Conflict imminence thres- hold	.000278	Hours
F08108	Frequency of careful monitoring Tasks 8.1.8	.008333	Checks/cycle
P082PR	Probability that pilot will respond to conflict resolu- tion message	.99	
P082RV	Probability of performance change revision if no pilot response	.99	
D08201	Task time for 8.2.1	.000833	Hours
D08202	Task time for 8.2.2	.002764	Hours
D08203	Task time for 8.2.3	.000833	Hours
D08204	Task time for 8.2.4	.000928	Hours
D08205	Task time for 8.2.5	.003508	Hours
F <b>091</b> 00	Time between repetitions of Subfunction 9.1	.5	Hours
C09100	Maximum permissable duration of one repetition of Sub- function 9.1	.013736	Hours. Totally automated in current system
P09202	Probability of no excess slack and demand is predicted arrival departure schedules	.50 /	,
P11000	Probability that further vertoring is not required	.50	

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LOCAL NAME	SHORT DEFINITION	INPUT VALUES	COMMENTS
P11101	Probability of no vectoring for 1. Course 2. Speed 3. Altitude	.20 .40 .40	Three parts
C11502	Maximum acceptable pilot response time to vectoring message	.001110	Hours
P11503	Probability that no retrans- mission of vectoring message is required	.95	
P12104	Probability that information required by pilot is available	.98	
M12202 '	Maximum number of aircraft for selective distribution of advisories	3.	
C12207	Maximum permissible duration of one repetition of Task 12.2.7	.005667	Hours
C12301	Maximum permissible duration of repetition of Task 12.3.1	.004678	Hours
P12304	Probability that vectoring is desired	.95	
C13100	Maximum permissible duration of one repetition of Subfunction	.011333	Hours
F13100	Time between repetitions of Subfunction 13.1	.016667	Hours
P13201	Probability that no communicatior channel change is required	.05	
F17300	Time between repetitions of Subfunction 17.3	.432432	Hours

LOCAL NAME	SHORT DEFINITION	INPUT VALUES	COMMENTS
AINC	Altitude climb distance for CONPLRT avoidance	100.	Feet
ALPHA	Smoothing coefficient (auto correlation coefficient)	6* .5	Six number array O <alpha<1 each<br="" for="">speed class</alpha<1>
ANGTN	Turn increment	30.	Degrees
D1 D2	Interval designation for trapezoidal speed bias	10. 25.	Speed class dependent, but same for all classes
DSEPSQ	Minimum separation distance squared	9.0	(n.mi) <sup>2</sup>
DTERR	Error in time of conflict occurrence	.016666	Hours
FØRCST	Model look ahead increment	.083333	Hours
ISEED	Seed for random number generators	123456789	Large odd integer
ITYPER	Error type - navigation	1 1 2 3 2 3	Values are 1, 2, or 3. Speed class dependent
JPRNT	Print suppression variable	8*1 2*0 60*1 10*0	These are arrays
LEVS	Priority sequence of revolution maneuvers	1 2 3 4 5 6	· · ·
MIPSAD	Increment in MIPS	1	No receiving for today's system
NSTEP	Number of steps in paths ensemble	5	Odd number
NUMLEV	Number of resolution maneuvers	6	
ØLTRP	Overlook threshold for 1. Manual (ØLTRP(1)) 2. Automatic (OLTRP(2))	100. 100.	Percent of this difference
	LOCAL NAME AINC ALPHA ANGTN D1 D2 DSEPSQ DTERR JDERR ISEED ITYPER JPRNT LEVS MIPSAD NSTEP NUMLEV ØLTRP	LOCAL NAMESHORT DEFINITIONAINCAltitude climb distance for CONPLRT avoidanceALPHASmoothing coefficient (auto correlation coefficient)ANGTNTurn incrementD1Interval designation for trapezoidal speed biasDSEPSQMinimum separation distance squaredDTERRError in time of conflict occurrenceFØRCSTModel look ahead incrementISEEDSeed for random number generatorsITYPERError type - navigationJPRNTPrint suppression variableLEVSPriority sequence of revolution maneuversMIPSADIncrement in MIPSNSTEPNumber of steps in paths ensembleNUMLEVNumber of resolution maneuversØLTRPOverlook threshold for 1. Manual (ØLTRP(1)) 2. Automatic (OLTRP(2))	LOCAL NAMESHORT DEFINITIONIMPUT VALUESAINCAltitude climb distance for CONPLRT avoidance100.ALPHASmoothing coefficient (auto correlation coefficient)6* .5ANGTNTurn increment30.D1Interval designation for trapezoidal speed bias10.D2Interval designation distance squared9.0DSEPSQMinimum separation distance occurrence9.0FØRCSTModel look ahead increment.083333ISEEDSeed for random number generators123456789ITYPERError type - navigation1 2 2 3 2 3JPRNTPrint suppression variable8*1 2*0 60*1 10*0LEVSPriority sequence of revolution maneuvers1 2 3 4 5NSTEPNumber of steps in paths ensemble5NUMLEVNumber of resolution maneuvers6ØLTRPOverlook threshold for 1. Manual (ØLTRP(1)) 2. Automatic (OLTRP(2))100.

LOCAL NAME	SHORT DEFINITION	INPUT VALUES	COMMENTS
		··	
ØUTIN	Sensor data	1.	
ØUTSN	Sensor data	1.	
PLØTMX	Maximum time for pilot to respond to performance change message	.000834	Hours
RISKL	Low risk threshold	.001	
RISKT	Risk threshold	.15	
SKNUM	Number of standard deviations used for conflict detection error	3.	
SHAPE	Navigation error shape constant	3.5 3.0 2.5 2.0 1.5 1.0	Speed class dependent longer for lower speeds
SIDE	Grid <b>sq</b> uare side length	60.0	n.mi
SIGIN	Sensor data	40. 30. 20. 10. 5.	
SIGSN	Sensor data	40. 30. 20. 10.	
SMAXX SMAXY SMAXZ	Maximum allowable navigation error in the X, Y, and Z deviation respectively	6*10. 6*10. 6*1.	n.mi Six number arrays
STØLT	Short term overload threshold	8.	Controller should be busy no longer than STØLT 100% of the time. Hours
TIME	Current time	0.	Input starting time of model. Hours
TIMMS	Time between calls to metering and sequencing routine	25.	Hours
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LOCAL NAME	SHORT DEFINITION	INPUT VALUES	COMMENTS
TLKAHD	Look ahead time for 7.1.1 used in 5.2.3	.5	Hours 7.1.1 not performed in today's system
TLØØK	Look ahead time	300.	
TRLØØK		30.	
ΤW	Warning time	60.	Seconds
WARNTM	Warning time for conflict detection	.116666	Hours
XLANDT	Time before M&S assuming control over aircraft	.5	Hours

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## 6.3 LIST OF TAPE5

This section shows a complete list of the card images contained in the TAPE5 input file used in the SFORAW case. The example shows the SALSIM specifications, the namelist inputs, the task times and allocations, the aircraft types, the jurisdictions, and the exogenous flight plans.

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SALSIM CARD C05102=.013722 P05103=1.0, TLKAHD=.5, C05302=.003332, F07201=.041667, P07302=.90, F09101=0., F08102=.008333, P04401=.02, P04402=.98, P05101=0., P04205=.95,1.0, P04206=.95,1.0 P04231=.98,1.0, P04202=.35,.98 H08107=.000278, F08108=.008333, P082PR=.99, CO61MN=.014633, F07103=0., C07103=.283333, P07104=1.0, P07201=.98, E07401=.083333, D08201=0.00083333, F07301=.166667 PLOTMX= . 000834 F08103=.008333, F08105=120., 1 P11101=.20..40..40. 23 F05102=.33333. P03000=.90.96. P04203=1.0.1.0. F17300=.4324432 P94207=.98,1.0, F06100=.008333. 008202=.002764. 008203=.000833, C09100=.013736. C11502=.083333, C13100=.011333, F13100=.016667, 008205=.003508. C12207=.005667, C12301=.004678, C061AU=0.00830, 008204=.000928, R04302=30377 P13201=.05, OLTRP=1.,1., 180 100.00 P082RV=.99. P09202=.50, P11000=+50, P11503=.35. P12304=.95, P12104=.98, M04210=2077 M04302 = 100R04210=100 F09100=.5. RISKT=.15. RISKL=.001 M12202=3, INP 3

\*\*\*\*\*\*\* ITIME \*\*\*\*MEDIAN\*\*\*\*LOW\*QT\*\*\*\*HI\*QT 1+33.003194-03.000606+00.000706 2+00.002369-00.000646+00.002739 4+00.004361-60.002767+00.901528 5+00.002611-09.000800+00.000733 6+00.042442-00.014122+00.021905 9+00.005659-00.001472+00.022667 10+00.005347-00.001333+00.007533 3+00.002431-00.000747+00.032292 8+30.004653-00.031750+00.003611 7+30.164633-93.047346+00.099037 NTASKS AND HTASK (15, 320) OUTSN=1., OUTIN=1., TRL00K=30., 2903100000000 IGN03E \*S0003000200010000000 IGNORE 2000100000000 IGNORE **AUT0** -200 AUTO AUTO -100 -4650 TW=60., TLOOK=300., SIGIN=40., 30., 20., 10., 05., SHAPE=3.5,3.0,2.5,2.0,1.5,1.0, JPRNT=8\*1, 2\*0, 50\*1, 10\*0, •••• 777 ASKNOTPOOL LCC RSP PRI 40092 30092 20071 20001 20001 AINC=100., SIGSN=40., 30., 20., 1 20001 20001 30002 50001 30011 10001 2001 20031 ITYPER=1,1,2,2,3,3, ISEED=123456789, WARNTM=.116666, S0004 S 0 0 0 5 FS0009 F0012 \$0008 S0007 S0003 S001J A 0013 **A0015** P0016 20018 E0019 S 0 0 2 0 S0021 DTERR=.016666. FORCST=.08333. ALPHA=6\*0.5, TIMMS=0.160, DSEPS0=3.0. SMAXX=6\*0. SMAXY=6+0., SMAXZ=6#0., ANGTN=30.. SIDE=60.0. NSTEP=5, STOLT=8. HIPSAD=1. SDNUM=3., D1=6\*0.02=6\*0., r 02202 01103 01202 01302 01303 02MAN 01102 01301 **DZAUT** 03000 04102 04201 04202 r 01101 01201 04101 \$END 156

<pre>IG NORE 0.008153-00.002791+00.004069 0.006019-00.001944+00.003333 0.009667-00.0035600+00.004722 0.001667-00.000556+00.000972 0.003194-00.000972+00.000972 0.003500-00.001361+00.000972 0.001667-00.000555+00.000555 IG NORE</pre>	IGNORE 0.004492-00.001528+00.002917 0.019290-00.004896+00.015549 0.019290-00.00555+00.00555 0.006250-00.002083+00.002083 0.050000-00.016667+00.016667 IGNORE IGNORE 0.03194-00.000972+00.000972 IGNORE 0.001417-00.00139+00.000258 0.007472-00.000322+00.006250 0.005431-00.000322+00.006558 0.005431-00.000322+00.006558 0.005431-00.000322+00.006558 0.005431-00.000322+00.006558 0.00558	• 000417-00.000139+00.000139 • 005175-00.0001711+00.003611 0.005175-00.001711+00.002694 0.00550-00.002083+00.002694 • 006250-00.002083+00.002083 0.004236-00.001403+00.001486 0.0042342-00.000592+00.0001486 0.002342-00.000592+00.0001496 0.00278-00.000139+00.000139 16 NORE 16 NORE	0.000717-00.000034+00.000089 0.002975-00.001056+00.000700 0.000717-00.000094+00.000089 0.001047-00.000047+00.000089 0.002278-00.000047+00.000514 0.002208-00.000325+00.000428 16NORE 16NORE
200010000000     11+0       20001     11+0       20001     12+0       20001     12+0       20001     15+0       20001     15+0       20001     15+0       20001     15+0       20001     15+0	$\begin{array}{c} 20001000000\\ 20001\\ 20001\\ 20001\\ 20001\\ 20001\\ 20001\\ 200010000000\\ 2000100000000\\ 2000100000000\\ 10005\\ 200010000000\\ 10005\\ 23+0\\ 10005\\ 2$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
* 50022 50023 50024 50025 50025 50027 50023 50023	*\$0031 \$0033 \$0033 \$0033 \$0033 \$0033 \$0033 \$0035 \$0055	ET0045 ET0045 ET0045 ET0049 ET0049 ET0050 ET0051 A0054 ET0055 *ET0055	T0060 T0061 ET0062 ET0063 ET0064 ET0064 *ET0065
T04203 T04204 T04205 T04205 T04205 T04205 T04200 T04200 T04200 T04210	T04212 T04213 T04213 T04301 T04301 T04302 T04303 T04303 T04402 T05403 T05101 T05102	T05201 T05201 T05204 T05204 T05301 T05303 T05303 T05204 T05201 T061AU T06201 T06201 T06503	T06402 T06403 T06403 T06405 T06405 T06405 T07101 T07102

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Page 6.3-4

00-003111	00.001167 00.003497	00.0000722	00.000556	00.001611		00.004167	00.001483	00.002261	00.001411	00.000278	6261UU.UU.	00.000175	00.011656		UV•UU2U36	00.006889	00.013667	00.006825	00.002592		00.002/8		.UU.UU1167	00.000556	00.000889	00.000556	00.000139	00.000556
59-00-0021194	325-00.001517+ 339-00.001567+ 53-00.001667+	226000°00-96	67-00-0005564	597-00.0023834		.31-00.0041674 .00-00.0041674	111-00.0021614	81-00.0016864	25-00.000100	33-00.0002784	127000,000-400 137-00,000,000-754	23-00.0001504	508-00.001183+		. 03-04.0114364 :	91-00.007183+	<b>903-00.011239</b>	64-00.0060334	156-00.0011254		133-03。0002/81	192-00.0012394	12100.00.224 192-00.001239	67-00.0005564	192-00-0012394	67-00.0005564	12-00.030139	57-0 <b>0.000556</b> 4
00000 - IGNORE 00000 IGNORE 00000 IGNORE 36+00-0047	37+00-0039 38+00-0049 30+00-0049	15 D • D 031		41+00-0065	-250 AUTO	4 2 4 UU • UU 24 4 3 4 0 0 • 0 1 2 5	44+00°0061	701°00+9+	47+00-0011		4 0 4 10 4 10 4 10 4 10 4 10 4 10 4 10	6000.00+64	50+00-0035	-1000 AUTO	100000 160085	52+00-020	53+00-032:	54+00-0156	55+00°0030	100000 ICNORE		22 0 0 0 0 0 2 C			56 0 .0030	14 J .0016	22 0 .0004	14 J .0016
10031000 10901000 10901000 10001000	10006 10006	10036 10036	10006	10006 10011000	30011	10011	10011	10011	10011		. 10011.	10011	10011	30006	10006000	10006	10006	10006	10006	10006000	6001	6001	95001 95001	10009	10009	10039	10009	10019
*ET0068 *ET0069 *ET0070 *ET0070	ET0072 E0073 et0073	ET0075	ET0077		A0081	ET 0083	ET0084 Fromas	ET0086	ET0087	ET 0089	ET DAG	ET 0092	ET0093	A0094	66001 <b>.</b>	T0097	T0098	ET0099	ET 0100		C 1 0 1 4 2		E 1 0 1 4 4	ET 0146	ET0147	ET0148.	ET0149	ET0150
T07104 T07104 T07105 T07105	T07202 T07301	T07303 T07303	T07402		T09102	108104	T08105	109108	T08109	T03201	TURCHE	T08204	108205	T09101	102601	T09301	T09401	103501	T09505	109506		201111	11120111	T11203	T11204	T11301	T11302	T11303

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22 0 .000417-00.000139+00.000139 22 9 .000417-00.000139+00.000139 45 9 .000333-00.000278+00.000278 45 0 .000333-00.000278+00.000278 57+00.000867-00.000128+00.000203 58+00.000731-00.000186+00.000081 59+00.000731-00.000186+00.000081 59+00.000731-00.000186+00.000081 59+00.000694-00.000183+00.000278	01*00.004509-00.002767+00.001528         4       0.004361-00.002767+00.001528         100000       16NORE         62+00.002361-00.000858+00.000761         14       0.001667-00.000858+00.000556         63+00.003831-00.0001339+00.000556         64+00.002042-00.000744+00.002311	65+00.005000-00.008333+00.008333 66+00.004647-00.002156+00.001619 67+00.005256-00.002022+00.002292 4 D .004361-00.002767+00.001528 69+00.001200-00.000367+00.000272 70+00.012417-00.000367+00.000528 71+00.000833-00.000278+00.001278 71+00.003575-00.000483+00.001467	$\begin{array}{c} 72+00\ .00600\ 3-00\ .00157\ 8+00\ .002719\\ 73+00\ .002394-00\ .000367+00\ .001203\\ 74+00\ .001853-00\ .000367+00\ .001203\\ 75+00\ .002803-00\ .000357+00\ .001628\\ -20\ AUTO\\ -10\ AUTO\\ 76+00\ .002803-00\ .001850+00\ .001483\\ 77+00\ .0015647-00\ .001351+00\ .001353\\ 77+00\ .0013500-00\ .001351+00\ .001353\\ 79+00\ .0015647-00\ .001361+00\ .001353\\ 79+00\ .0015647-00\ .001351+00\ .001353\\ 79+00\ .0015647-00\ .001351+00\ .001353\\ 79+00\ .0013550-00\ .001351+00\ .001353\\ 79+00\ .001353-00\ .001435+00\ .001353\\ 79+00\ .0015647-00\ .001435+00\ .001353\\ 81+00\ .00233-00\ .000554+00\ .000278\\ 82+00\ .000333-00\ .000278+00\ .000278\\ 84+00\ .0022106-00\ .000278+00\ .000278\\ 84+00\ .00022699\\ \end{array}$
10009 10009 10009 10009 20003 20003 20003	20003 20003 20003 20003 20003 20003 20003 20003	20003 20004 10009 10009 10009 10003 10007 10007	$\begin{array}{c} 10007\\ 10007\\ 30007\\ 30007\\ 30007\\ 10003\\ 10003\\ 10003\\ 10003\\ 10003\\ 10003\\ 200003\\ 200003\\ 200003\\ 200003\\ 20000000\\ 2000000\\ 2000000\\ 2000000\\ 2000000\\ 2000000\\ 2000000\\ 2000000\\ 20000000\\ 200000000\\ 2000000000\\ 2000000000\\ 2000000000\\ 20000000000\\ 20000000000\\ 20000000000\\ 200000000000000\\ 20000000000000000000$
ET0151 ET0152 ET0153 ET0155 ET0155 S0105 S0103 * S0103	\$0110 \$50108 \$50108 \$0110 \$0111 \$01112 \$01112 \$01112	S0114 S0115 E0116 E0117 E0118 E01199 E10120 E10120 T0122	ET0123 ET0124 ET0125 ET0126 A0127 A0127 A0128 ET0161 ET0163 ET0165 ET0165 ET0165 ET0165 EST0153 EST0159 EST0129
T11401 T11402 T11402 T11403 T11502 T11503 T12102 T12102 T12102	T12105 T12105 T12106 T12201 T12202 T12205 T12205	T12206 T12207 T12301 T12302 T12303 T12304 T13100 T13104 T13104	$\begin{array}{c} 113105\\ 113202\\ 113202\\ 113203\\ 113203\\ 115302\\ 115101\\ 115202\\$

85+90.007014-00.00204	86+90°002222-00°000647+00°00083	14 1) .001667-00.000556+00.00055	37+00-004194-00-001603+00.00130		14 D .001667-00.000556+00.00055	88+00-004339-00-001422+00-00100	89+00-001575-00-000300+00-00127	90+00-002828-00-000389+00-00129	91+00-001642-00-000439+00-01002	92+00-002533-00-000589+00-0015	93+00.202050-00.022847+00.02234	94+00~202500-00~067500+00~06750	95+00.412650-00.137928+00.13842	TASK TIMES (SKIP NEXT CARD) ######	**ITIME MEDIAN LOW OF HIG	1+00.003194-00.000606+00.00070	2+0 <b>0.00</b> 2369-00.000646+0 <b>0.</b> 00273	3+00-002431-00-000747+00-0022	4+00.004361-00.002767+00.00152	5+00.002611-00.000800+00.00073	6+00.042442-00.014122+00.02190	7+00.164699-00.047046+00.09903	8+00.004658-00.001750+00.00361	9+00.005658-00.001472+00.00266	10+00.005047-00.001333+00.00758	11+00.008153-00.002781+00.0040E	12+00.006019-00.001944+00.00333	13+00,009667-00,003600+00,00472	14+00.001667-00.000556+00.00055	15+00.003194-00.000972+00.00097	16+00.003500-00.001361+00.00361	17+00.001667-00.000555+00.00055	18+00.004492-00.001528+00.00291	19+00.019290-00.004896+00.01554	20+00.006250-00.002083+00.00208	21+90.050000-00.016667+00.01666	22+03.000417-00.000139+00.00013	23+00.007472-00.003128+00.00625	24+00.005431-00.000322+00.00055	25+30.305175-00.001711+00.00361
20009	20009	20009	20009	20009	20039	20039	20009	20039	20009	20009	20001	20001	20003	HBER OF	*I % * A	20001	20001	20001	20001	20001	40002	50001	10001	20001	20001	20001	20001	20001	20001	20001	20001	20001	20001	20001	20001	20001	10035	10005	10005	10005
EST0131	EST0132	EST0133	EST0134	EST0135	EST0136	EST0137	EST0138	EST0139	EST0140	EST0141	S0157	ST0158	EST0159	NTMAN NUI	POOL*LCC*	S0004	S0005	50007	S0008	S0010	F0012	P0016	E0019	S0020	S0021	S0023	S0024	S0025	S0026	S0027	S0028	S0029	S0032	S0033	S0035	S0036	ET0042	EI0043	T 0 0 4 4	FIDDAG
T16103	T16201	T16202	T16203	116204	T16205	T16206	T16207	T16208	T16209	T16210	117100	T17200	T17300	- 62	TASKNO+	T01102	T01103	101202	T01301	T01303	TO2MAN	103000	T04102	T04201	T04202	T04204	T04205	T04206	T04207	T04208	T04209	T04210	T04213	104301	T04303	104304	T05101	T05102	T05103	105302

T05204	FINDLA	10005	27+00.008508-00.003044+00.002644
T05302	ET0050	10005	28+00.004235-00.001403+00.001486
T05303	ET 0051	10005	29+00.002342-00.000592+00.000572
TOGINN	ET0055	10010	30+00.000278-00.000139+00.000139
T06402	T 0 06 0	10010	31+00.000717-00.000094+00.000089
T06403	T0061	10010	32+00-002975-00-001056+00-000700
T06405	E10063	10010	33+00.001047-00.000047+00.000003
T06406	ET0064	10010	34+00.002278-00.000322+00.000514
T06407	ET0065	10010	35+00.002608-00.000325+00.000428
T07201	ET0071	10006	36+00.004758-00.002119+00.003111
T07202	ET 0072	1006	37+00.003925-00.001517+00.001167
107301	E0073	10006	38+00.004239-00.001667+00.003497
F07302	ETOO74	10006	39+00.005453-00.001933+00.001583
107403	ET0078	10006	40+00.000781-00.000158+00.000128
107404	ET0079	10006	41+00.006597-00.002383+00.001611
T08103	ET0082	10011	42+00.002431-00.000500+00.001319
T08104	ET0083	10011	43+00.012500-00.004167+00.004167
T09105	ET0084	10011	44+00.006111-00.002161+00.001483
T08107	ET0085	10011	45+00.000833-00.000278+00.000278
T08108	ET0086	10011	46+00.004281-00.001686+00.002261
T08109	ET 0087	10011	47+00.001125-00.000100+00.001411
T08202	ET0090	10011	48+00-002764-00-00875+00-001525
T08204	ET0092	10011	49+00.000928-00.000150+00.000175
T08205	ET0093	10011	50+00.003508-00.001183+00.001656
T09201	10095	10006	51+00.003103-00.001486+00.002036
105301	10097	10006	52+00.020981-00.007183+00.006889
T09401	10098	10006	53+00.032908-00.011239+00.013667
109501	ET0099	10006	54+00.015664-00.006033+00.006825
109505	ET 0100	10006	55+00.003056-00.001125+00.002592
<b>T11102</b>	ET0143	10009	56+00.003092-00.001239+00.000889
T11502	ET0155	10009	57+00-000867-00-000128+00-000203
T11503	ET0156	10009	58+00.000731-00.000186+00.000081
T12101	S0102	20003	59+00.003550-00.001419+00.000986
T12102	S0103	20003	60+00.000694-00.000183+00.000278
112104	S0106	20003	61+00.004689-00.001708+00.002903
112107	S0109	20003	62+00.002361-00.000858+00.000761
T12202	S0111	20003	63+00.003931-00.001339+00.001958
112204	S0112	20003	64+00.002042-00.000744+00.002311
T12206	S0114	20003	65+00.005000-00.008333+00.008333
112207	S0115	20034	66+00.004647-00.092156+00.001619
T12301	E0116	10039	67+00.005256-00.002022+00.002292
112303	E0113	10009	68+00.001200-00.000367+00.000272

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<ul> <li>90.000361-00.000306+00.000528</li> <li>00.012417-00.004767+00.008628</li> <li>00.003575-00.000433+00.001467</li> <li>00.006003-00.001578+00.002719</li> <li>00.002394-00.001578+00.00273</li> <li>00.001353-00.000367+00.001703</li> </ul>	$\begin{array}{c} 00. & 005647 - 00. & 001850 + 00. & 001483 \\ 00. & 002033 - 00. & 000831 + 00. & 001483 \\ 00. & 003500 - 00. & 001361 + 00. & 003639 \\ 00. & 0013500 - 00. & 00141 + 00. & 001337 \\ 00. & 001643 - 00. & 00044 & 0 + 00. & 011024 \\ 00. & 001643 - 00. & 00044 & 0 + 00. & 011572 \\ 00. & 001908 - 00. & 001436 + 00. & 001574 \\ 00. & 002106 - 00. & 000531 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 00239 \\ 00. & 00572 - 00. & 003625 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 002239 \\ 00. & 00572 - 00. & 003655 + 00. & 00255 \\ 00. & 00572 - 00. & 00555 + 00. & 00555 \\ 00. & 00572 - 00. & 00555 + 00. & 00555 \\ 00. & 00572 - 00. & 00555 + 00. & 00555 \\ 00. & 00572 - 000 + 00555 + 000 & 005555 \\ 00. & 00555 + 000 + 005555 + 000 & 005555 \\ 00. & 005555 + 000 & 005555 + 000 & 005555 \\ 00. & 005555 + 000 & 005555 + 000 & 005555 \\ 00. & 005555 + 000 & 005555 + 000 & 005555 \\ 00. & 005555 + 000 & 005555 + 000 & 0005555 \\ 00. & 005555 + 000 & 0005555 + 000 & 0005555 \\ 00. & 005555 + 000 & 0005555 + 000 & 0005555 \\ 00. & 005555 + 000 & 0005555 + 000 & 0005555 \\ 00. & 0005555 + 0005555 + 000 & 0005555 \\ 00. & 0005555 + 0005555 & 000 & 0005555 \\ 00. & 000555$	$\begin{array}{c} 00 & 00 & 7014 \\ 00 & 00 & 2222 \\ 00 & 00 & 2222 \\ 00 & 00 &$	4G AND MKSPNG (15,020) ***********************************
0199     10009     69       0120     10007     70       0122     10007     71       0123     10007     72       0124     10007     73       0125     10007     74       0125     10007     74       0125     10007     74       0125     10007     74	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	PTR****MEDIAN****L0W         1+00.002778-00.000         2+00.001556-00.000         3+00.00033-00.000         5+00.00033-00.000         5-00.001389-00.000         F00.001389-00.000         F00.001389-00.000         F00.001389-00.000         F00.001389-00.000         F00.001389-00.000         F00.001389-00.000         F1         MT         NI         NUMBER       FRESPON         PTR         MEDIAN         L00         2+00.00033-00.000         3+00.00033-00.000         3+00.00033-00.000         5+00.00033-00.000
T132304         E1           T13100         E1           T13104         T1           T13105         E1           T13201         E1           T13201         E1           T13201         E1           T13201         E1           T13201         E1	115101     ET       115101     ET       115202     ET       115203     ET       115204     ET       115205     ET       115205     ET       115205     ET       115205     ET	115103     551       116201     551       116205     551       116206     551       116209     551       116209     551       117200     51       117200     51       117200     51	TASKNO LCC T05302 50 T07402 77 T08200 88 T11502 155 T16102 130 5 NRSPI T05302 50 T07402 77 T05302 50 T17402 77 T05200 88 T11502 155 T12502 155

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Page 6.3-9

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Page 6.3-12	131.1       157.2       1         131.1       157.2       1         131.1       157.2       1         131.1       157.2       1         131.1       157.2       1         131.1       157.2       1         131.1       157.2       1         14.9.6       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1         151.1       1       1 <tr< td=""><td>Page 6.3-12</td><td>Page 6.3-12</td><th></th><td>AF</td><td>R-3</td><td></td><td></td></tr<>	Page 6.3-12	Page 6.3-12		AF	R-3		
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D16       1.08       SRIFLIGHT - 13       DEPARTURE       100       1       ER-N XYZ       100         842.8 $437.2$ 4000. $-110.0$ $110.0$ $0.0$ $1$ $1$ $0.0$ $0.0$ $0.0$ $0.0$ $0.00$	652.0	439.0	4000	-0701.				
842.8       437.2       4000.       -110.0       110.0       0.0       0100         642.8       437.2       4000.       -110.0       110.0       0.0       0100         641.0       437.2       4000.       160.       110.0       0.0       0100         641.0       437.2       4000.       160.       160.       0.0       0.0       0.0         641.0       460.0       4000.       0.0       0.0       0.0       0.0       0.0         016       10       2       2.48-5       0.0       1       1       0.0         016       1.0       2.48-5       0.0       0.0       1       1       0.0         016       1.10       2.700.       100.       0.0       0.0       0.0       0100         541.5       448.2       2700.       100.       0.0       0.0       0.0       0100         541.5       448.2       2700.       10.0       0.0       0.0       0.0       0100         541.5       448.2       2700.       0.0       0.0       1.1       50.0       0.0         541.5       448.2       2700.       3000.       0.0       1.1       <	016 1.08	-	SRI FLIGHT	-13	DEPART	URE		
642.8 $4.37.2$ $4000.$ $-110.0$ $110.0$ $0.0$ $0100$ $642.8$ $4.37.2$ $4000.$ $160.$ $160.$ $100.$ $0.0$ $0.0$ $0.0$ $641.0$ $4.39.0$ $4.000.$ $160.$ $160.$ $100.$ $0.0$ $0.0$ $0.0$ $641.0$ $460.0$ $400.0$ $0.0$ $0.0$ $0.0$ $0.0$ $0.0$ $0.0$ $641.5$ $448.2$ $2700.$ $-100.$ $0.0$ $0.0$ $0.0$ $0.0$ $641.5$ $448.2$ $2700.$ $-100.$ $0.0$ $0.0$ $0.0$ $0.0$ $641.5$ $448.2$ $2700.$ $-100.$ $0.0$ $0.0$ $0.0$ $0.0$ $641.5$ $448.2$ $2700.$ $-100.$ $0.0$ $0.0$ $0.0$ $0.0$ $641.5$ $448.2$ $2700.$ $0.0$ $0.0$ $0.0$ $0.0$ $0.0$ $641.5$ $448.2$ $2700.$ $0.0$ $0.0$ $0.0$ $0.0$ $0.0$ $641.6$ $1.44.5$ $2700.$ $0.0$ $0.0$ $0.0$ $0.0$ $642.0$ $545.0$ $25000.$ $412.$ $0.0$ $0.0$ $0.0$ $642.0$ $545.0$ $2500.$ $412.$ $0.0$ $0.0$ $0.0$ $642.0$ $484.5$ $2700.$ $412.$ $0.0$ $0.0$ $0.0$ $642.0$ $484.5$ $270.$ $0.0$ $0.0$ $0.0$ $0.0$ $642.0$ $484.5$ $270.$ $0.0$ $0.0$ $0.0$ $0.0$ $642.0$ $422.4$ <td>N365 1</td> <td>AC05 1 4</td> <td>+ 2.</td> <td>AR-5</td> <td>0.0</td> <td>1 1 ER-N</td> <td>ΣΥX</td> <td>1 003</td>	N365 1	AC05 1 4	+ 2.	AR-5	0.0	1 1 ER-N	ΣΥX	1 003
542.8       437.2       4000.       160.         541.0       439.0       4000.       160.         546.0       460.0       4000.       160.         546.0       460.0       2000.       0.0       0         016       1.10       0.0       0.0       1       1       10.0         841.5       448.2       2700.       -100.       0.0       1       1       10.0         841.5       448.2       2700.       -100.       0.0       0.0       0.0       0.0       0         541.5       448.2       2700.       -100.       0.0       0.0       0.0       0.0       0.0         541.5       448.2       2700.       -100.       0.0       0.0       0.0       0.0         541.5       448.2       2700.       100.       0.0       0.0       0.0       0.0         541.6       545.0       57.0       489.       0.0       1.1       57.0       49.0         575.0       545.0       25000.       4.12.       0.0       0.0       0.0       0.0         575.0       545.0       2500.       4.12.       0.0       0.0       0.0       0.0     <	642.8	437.2	4000.	-110.0	110.0	0.0		0100
641.0       439.0       4000.       160.         546.0       460.0       4000.       0.0         016       1.10       SRI FLIGHT-14       DEPARTURE         841.5       448.2       2700.       -100.       0.0       1       1       ER-N XYZ       1       002         841.5       448.2       2700.       -100.       0.0       1       1       ER-N XYZ       1       002         641.5       448.2       2700.       -100.       0.0       1       1       ER-N XYZ       1       002         641.5       448.2       2700.       100.       0.0       1       1       ER-N XYZ       1       002         614.15       448.2       2700.       100.       0.0       0       0       0       0       0         615.14       1       60.0       100.       100.       0 <td>642.8</td> <td>437.2</td> <td>4000</td> <td>160.</td> <td></td> <td></td> <td></td> <td></td>	642.8	437.2	4000	160.				
546.0       460.0       4000.       0.0       DEPARTURE         2373       1 405       1       2. AR-5       0.0       1       1 ER-N XYZ       100         641.5       448.2       2700.       -100.       0.0       0.0       1       1 ER-N XYZ       100         541.5       448.2       2700.       -100.       0.0       0.0       0.0       0.0       0.0         541.5       448.2       2700.       -100.       0.0       0.0       0.0       0.0       0.0         530.0       455.0       3000.       0.0       0.0       0.0       0.0       0.0       0.0         555.0       5.14.4       5.2700.       0.0       0.0       0.0       0.0       0.0         555.0       5.14.4       5.14.647-21       FF2       RW1       5.0       0.0       0.0         555.0       5.45.0       5.14.60       0.0       0.0       0.0       0.0       0.0       0.0         575.0       545.0       55000.       0.0       0.0       0.0       0.0       0.0       0.0         575.0       545.0       55000.       4412.       560       412.       560       0.0	641.0	439.0	4000.	160.				1
016       1.10       SRI FLIGHT-14       DEPARTURE         8373       1       405       1       1       1       1       0.0       0	646.0	460.0	4000	0•0				
373       1       4605       1       4       2       AR-5       0.0       1       1       ER-N       XYZ       1       00         541.5       448.2       2700       -100       0.0       0.0       0.0       0.0       0100         541.5       448.2       2700       -100       0.0       0.0       0.0       0.0       0100         530.0       455.0       3000       0.0       0.0       0.0       0.0       0100         530.0       455.0       3000       0.0       0.0       1       1.50       XYZ       1       004         575.0       545.0       575.0       545.0       25000       0.0       4.89       0.0       0000       000         575.0       545.0       25000       0.0       4.12       0.0       0.0       0000         575.0       545.0       25000       4.12       0.0       0.0       0.0       0.0       0.0         575.0       545.0       25000       4.12       0.0       0.0       0.0       0.0       0.0         508.8       4.84.5       15500       4.12       0.0       0.0       0.0       0.0       0.0 <td>016 1.11</td> <td></td> <td>SRI FLIGHT</td> <td>-14</td> <td>DEPART</td> <td>URE</td> <td></td> <td></td>	016 1.11		SRI FLIGHT	-14	DEPART	URE		
541.5       448.2       2700.       -100.       0.0       0.0       0100         530.0       455.0       3000.       0.0       100.       0.0       0.0       0100         530.0       455.0       3000.       0.0       11       50       72       1       0.0         530.0       455.0       3000.       0.0       0.0       11       50       72       1       0.0         575.0       545.0       25000.       0.0       0.0       0.0       0.0       0000         575.0       545.0       25000.       0.0       4.89.       0.0       0.0       0000         575.0       545.0       25000.       4.89.       0.0       0.0       0.0       0.0         575.0       545.0       25000.       4.12.       0.0       0.0       0.0       0.0         508.8       4.84.5       15500.       412.       0.0       1.412.       0.0       0.0       0.0       0.0         516.1       15500.       4.12.       2.47.5       0.0       0.0       0.0       0.0       0.0         516.1       1.42.       2.47.5       0.0       0.0       0.0       0.0	R373 1	AC05 1 4	~ ~	AR-5	0.0	1 1 ER-N	ZYX	1 .002
541.5448.22700.100.530.0455.03000.0.0530.0455.03000.0.00161.14SRIFLIGHT-21FF24A611AC0311545.05700.0.0575.0545.025000.0.0575.0545.025000.0.0575.0545.025000.0.0575.0545.025000.489.575.0545.025000.412.502.8523.825000.412.502.8521.824000.412.502.815500.412.503.0434.515500.412.516.10521.824000.412.516.10521.824000.412.516.10521.82500.0.0516.10438.03000.0.0543.03000.0.0250.543.03000.0.0542.0457.05500.542.0457.05500.642.0457.05500.642.0457.05500.642.0570.0.0542.0570.0.0	641.5	448.2	2700.	-100.	0.0	0.0		0100
330.0       455.0       3000.       0.0       FF2       RW1         016       1.14       SRIFLIGHT-21       FF2       RW1         016       1.14       SRIFLIGHT-21       FF2       RW1         016       1.14       SRIFLIGHT-21       FF2       RW1         016       1       46.0       1       SF0       YZ       1004         075.0       545.0       25000.       0.0       -489.       0.0       0.0       0.0         075.0       545.0       25000.       0.0       -489.       0.0       0.0       0.0         075.0       545.0       25000.       0.0       -489.       0.0       0.0       0.0         075.0       545.0       25000.       412.       -489.       0.0       0.0       0.0         016       521.8       24000.       412.       0.0       1       1       0.0       0.0         016       438.0       2900.       0.0       0.0       1       1       0.0       0.0       0.0         16       1.47       2.8       2.47.0       2.0       0.0       0.0       0.0       0.0         16.1.1.1       1.4       <	641.5	448.2	2700.	100.				
016       1.14       SRIFLIGHT-21       FF2       RW1         A661       1       AC0.3       1       4       SRIFLIGHT-21       FF2       RW1         575.0       545.0       25000.       0.0       0.0       1       SF0       XY2       0000         575.0       545.0       25000.       0.0       -489.       0.0       0.0       0.0       0000         575.0       545.0       25000.       4.89.       -489.       0.0       0.0       0.0       0.0         575.0       545.0       25000.       4.89.       0.0       0.0       0.0       0.0         575.0       521.8       25000.       412.       0.2       0.0       1       0.0         501.8       4412.       0.0       1412.       0.0       1       0.0       0.0         516.16.16.1       412.       0.0       0.0       1       1       0.0       0.0         516.16.1       1.412.       0.6       1.12.       0.6       1.12.       0.0       0.0         516.16.1.1       1.412.       0.0       0.0       1.12.       0.0       0.0       0.0         543.0       4.38.0	630.0	455.0	3000.	0•0				1
4.6.1       1.40.3       1.4       2. ER-N       0.0       1.1       5.0       XYZ       1.00         575.0       545.0       545.0       25000.       0.0       -489.       0.0 <td< th=""><td>016 1.1</td><td></td><td>SAI FLIGHT</td><td>-21</td><td>FF2 R</td><td>WY1</td><td></td><td></td></td<>	016 1.1		SAI FLIGHT	-21	FF2 R	WY1		
575.0       545.0       25000.       0.0       000         575.0       545.0       25000.       489.       0.0       000         575.0       545.0       25000.       412.       0.0       000         502.8       523.8       25000.       412.       0.0       000         504.0       521.8       24000.       412.       0.0       000         508.8       484.5       15500.       412.       0.0       1       0.0         508.8       484.5       15500.       412.       0.0       0.0       0.0       0.0         508.8       484.5       15500.       412.       0.0       0.0       0.0       0.0         516.10       521.8       247.0       300.       0.0       0.0       0.0       0.0         543.0       4.38.0       3000.       2.0       0.0       0.0       0.0       0.0         543.0       4.38.0       3000.       2.0       0.0       0.0       0.0       0.0         543.0       4.38.0       5500.       0.0       0.0       0.0       0.0       0.0         543.0       570.       0.0       0.0       0.0       0.0	<b>HA61 1</b>	AC0.3 1 4	t	ER-N	0.0	1 1 SFO	ZYZ	1 00
575.0       545.0       25000.       489.         504.0       523.8       25000.       412.         504.0       521.8       24000.       412.         508.8       484.5       15500.       412.         508.8       484.5       15500.       412.         508.8       484.5       15500.       412.         508.8       484.5       15500.       412.         508.8       484.5       15500.       0.0       1         516.16       412.       0201.       0.0       0.0       0.0         543.0       3000.       0.0       250.       0.0       0.0       0.0         543.0       3000.       250.       0.0       1       1       0.0       0.0         543.0       3000.       250.       0.0       0.0       0.0       0.0         642.0       457.0       5500.       0.0       0.0       0.0       0.0         5AN FRANCISCO RAM DATA - SRI INPUTS AS OF 29 NOV Z3       50 NOV Z3       50 NOV Z3	575.0	545.0	25000.	0.0	-439.	0.0		0000
502.8 523.8 25000. 412. 504.0 521.8 24000. 412. 508.8 484.5 15500. 412. 508.8 484.5 155000201. 116 1.47 SRI FLIGHT-23 DEPARTURE V300 1 ACO3 1 4 2. AR-5 0.0 1 1 ER-N XYZ 1 00 643.0 438.0 3000. 0.0 250. 0.0 0100 543.0 457.0 5500. 0.0 250. 0.0 0100 180 2.0 570P 5700. 0.0	575.0	545.0	25000.	489.				
604.0 521.8 24000. 412. 508.8 484.5 155000201. 116 1.47 Srifleht-23 Departure v300 1 4003 1 4 2.48-5 0.0 1 1 ER-N XYZ 1 000 543.0 438.0 3000. 0.0 250. 0.0 0.0 0100 542.0 457.0 5500. 0.0 180 2.0 570P String AS of 29 Nov Z3	602.8.	523.8	25000.	412.			:	;
508.8 484.5 155000201. 116.1.47 SRIFLIGHT-23 DEPARTURE V300 1 4C03 1 4 2. AR-5 0.0 1 1 ER-N XYZ 1 002 543.0 438.0 3000. 0.0 250. 0.0 010 543.0 457.0 5500. 0.0 642.0 457.0 5500. 0.0 180 2.0 STOP 180 2.0 STOP 180 2.0 STOP	604.0	521.8	24000.	412.				
116     1.47     SRIFLIGHT-23     DEPARTURE       V300     1     AC03     1     4     2.     AR-5     0.0     1     1     ER-N <xyz< td="">     1     005       543.0     438.0     3000.     0.0     2.     AR-5     0.0     1     1     ER-N<xyz< td="">     1     005       543.0     438.0     3000.     0.0     250.     0.0     0100       543.0     438.0     3000.     0.0     250.     0.0     0100       542.0     457.0     5500.     0.0     20     0.0     100       642.0     457.0     5500.     0.0     100     20     20       180     2.0     STOP     0.0     0.0     23     00V     23</xyz<></xyz<>	608.8	484.5	15500.	-0201.				
V3DD 1 ACD3 1 4 2. AR-5 D.O 1 1 ER-N XYZ 1 002 543.0 438.0 3000. D.O 250. 0.0 010 543.0 438.0 3000. 250. 250. 0.0 542.0 457.0 5500. 0.0 180 2.0 STOP SAN FRANCISCO RAW DATA - SRI INPUTS AS OF 29 NOV 73	016 1.4		SRI FLIGHT	-23	DEPART	URE		
543.0 438.0 3900. 0.0 250. 0.0 0100 543.0 457.0 3000. 250. 542.0 457.0 5500. 0.0 180 2.0 STOP SAN FRANCISCO RAM DATA - SRI INPUTS AS OF 29 NOV 73	N300 1	AC03 1 4	- 2	AR-5	0.0	1 1 ER-N	ZYX	1 002
542.0 457.0 3000. 250. 542.0 457.0 5500. 0.0 180 2.0 STOP SAN FRANCISCO RAM DATA - SRI INPUTS AS OF 29 NOV 73	643.0	438.0	3000.	0.0	250.	0.0		0100
642.0 457.0 5500. 0.0 180 2.0 stop San Francisco Ram Data - Sri Inputs as of 29 nov 73	643.0	438.0	3000.	250.				
180 2.0 STOP STOP SAN FRANCISCO RAM DATA - SRI INPUTS AS OF 29 NOV 73	642.0	457.0	5500.	0.0				
SAN FRANCISCO RAM DATA - SRI INPUTS AS OF 29 NOV 73	180 2.1		STOP		1			
	SAN FI	VANCISCO RAV	H DATA - SRI	INPUTS A	3 0F 29	NOV 73		
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## 6.4 DELTA SUMMARY REPORT

This section contains the summary report generated by the DELTA simulation for the SFORAW case. It shows the utilization of dynamic memory and the utilization statistics for the resources in each jurisdiction.

ANCISCO RAW DATA - SRI INPUTS AS OF 29 NOV 73 UN TERMINATES AT 2.00000000 SED 3425 of 10000 Mords of dynamic memory.	
ISED 3425 OF 10000 WORDS OF DYNAMIC MEMORY.	
	Pag
	e 6.4-2
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JURISDICTION: ER-N

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59 AIRCRAFT **0** 0 **CONTAINED** 

STATE VECTOR ALC TYPE P ENDURANCE UPDATE TIME . | 0 Z

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RESOURCE DATA 1 .....

MAN	RESOURCE	POOL 1 USING	3 OF	3 MEN	0 TASKS LEFT
		AVAILABILITY TI	CMES	CUMULATIVE	PERCENTAGE
	ELEMENT	FIRST NE	EXT	BUSY TIME	BUSY TIME
	707	0.0000000 1.161	199846	1.16199846	58.099923
	700	0.0000000 1.161	106809	1.16106809	58.053404
	693	0.00000000 1.170	386348	1.17086348	58.543174
MAN	RESOURCE	POOL 2 USING	1 OF	3 MEN	0 TASKS LEFT
		AVAILABILITY T	IMES	CUMULATIVE	PERCENTAGE
	723	0.0000000 1.341	108143	1.34108143	67.054072
AUTO	RESOURCE	POOL 3 USING	12 OF	5/IH 05	0 TASKS LEFT
		AVAILABILITY TI	IMES	CUMULATIVE	<b>PERCENTAGE</b>
	ELEMENT	FIRST NE	EXT	BUSY TIME	BUSY TIME
	739	172. 0000000.0	129 <u>6</u> 30	.27129630	13.564815
MAN	RESOURCE	POOL 4 USING	1 OF	1 MEN	D TASKS LEFT
-		AVAILABILITY TI	CMES	CUMULATIVE	PERCENTAGE
	ELEMENT	FIRST NE	EXT	BUSY TIME	BUSY TIME
	755	0.00000000 0.000	000000	0.0000000000	0.00000
NAN	RESOURCE	POOL 5 USING	1 0F	5 MEN	0 TASKS LEFT
		AVAILABILITY T]	IMES	<b>SUMULATIVE</b>	PERCENTAGE
	ELEMENT	FIRST	XT	BUSY TIME	BUSY TIME
	771	3.000000000 0.001	0000000	0.000000000	0.001000

**D TASKS LEFT 0 TASKS LEFT D TASKS LEFT** 0. TASKS LEFT **D TASKS LEFT PERCENTAGE** PERCENTAGE 81.533149 82.281134 4.227766 PERCENTAGE 0.000000 **PERCENTAGE** 24.162950 **PERCENTAGE** 82.135662 4.715301 47.589993 34.506491 45.324074 BUSY TIME BUSY TIME BUSY TIME BUSY TIME BUSY TIME STATE VECTOR 1.64562269 1.64271325 .06204136 .95179985 **CUMULATIVE** .63066298 CUMULATIVE .05562663 CUMULATIVE BUSY TIME .93645148 CUMUL ATI VE BUSY TIME 0.0000000000 CUMULATIVE .46238699 .48325901 BUSY IIME BUSY TIME BUSY TIME 51 HI/S 3 MEN 5 MEN 1 MEN 3 MEN 50 AIRCRAFT P ENDURANCE UPDATE TIME 1.64562269 1.64271325 2 OF 1.63066298 .90648148 0.000000000000 1.12238699 .48325901 .73988134 .95179985 12 OF 30 E .74629607 1 OF 3 OF AVAILABILITY TIMES AVAILABILITY TIMES AVAILABILITY TIMES TIMES AVAILABILITY TIMES JURISOICTION: ER-S NEXT NEXT NEXT NEXT NEXT AIRCRAFT DATA RESOURCE DATA AVAILABILITY RESOURCE POOL 5 USING 1 USING 2 USING POOL 3 USING 4 USING 10 0 0.0000000 0.0000000 0.000000000 0.000000000 .65000000 0.00000000 .68425471 0.000000000 .68425471 0.000000.00 EIRSI FIRST FIRST FIRST FIRST CONTAINED RESOURCE POOL RESOURCE POOL MAN RESOURCE POOL A/C TYPE AUTO RESOURCE ELEMENT ELENENT ELENENT ELEMENT ELENENT 2266 596 599 582 2419 612 628 644 660 2426 NAN MAN MAN 0 N

Page 6.4-4

JURISOICTION: AR-3

CONTAINED 0 OF 50 AIRCRAFT

AIRCRAFT DATA No a/C TYPE P ENDURANCE UPDATE TIME STATE VECTOR

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RESOURCE DATA

O TASKS LEFT O TASKS LEFT **0 TASKS LEFT** 0 TASKS LEFT **D TASKS LEFT** PERCENTAGE 70.043459 **PERCENTAGE PERCENTAGE** 20-395564 70.826116 **PERCENTAGE** 4.001224 0.000000 PERCENTAGE 6.925066 4.071101 69.189932 26.11111 BUSY TIME BUSY TIME BUSY TIME BUSY TIME BUSY TIME CUMULATIVE .02724816 **CUMULATIVE** CUMUL AT IVE CUMULATIVE .40086918 BUSY TIME .02772402 **BUSY TIME** 0.000000000 BUSY TIME .40791127 1.41652232 1.38379863 BUSY TIME .52222222 CUMULATIVE **BUSY TIME** .13850132 50 HI/S 1 MEN N HEN M 5 MEN N HEN 1.38379863 1.40086918 1.41652232 3 0F 1.34672832 12 05 1.40791127 1.34625246 .52222222 0.00000000 1 01 .13850132 3 OF 1 0F AVAILABILITY TIMES AVAILABILITY TIMES AVAILABILITY TIMES AVAILABILITY TIMES AVAILABILITY TIMES NEXT NEXT NEXT NEXT **JEXT** 1 USING 2 USING AUTO RESOURCE POOL 3 USING RESOURCE POOL 4 USING RESJURCE POOL 5 USING 0.00000000 0.000000000 0.000000000 0.000000000 0.000000000 1.31900430 0.000000000 L.31900430 0.00000000 FIRST -FIRST FIRST FIRST FIRST POOL RESOURCE POOL RESOURCE ELEMENT ELEMENT ELEMENT ELEMENT ELEMENT 485 543 478 517 533 471 3397 1012 501 MAN MAN MAN MAN

	ECTOR		D TASKS LEFT PERCENTAGE BUSY TIME 74.620651	74.431867 75.099513	0 TASKS LEFT PERCENTAGE BUSY TIME • 984434 2.000514 36.934613	0 TASKS LEFT Percentage Busy Time 30.860056	0 TASKS LEFT Percentage Busy Time 0.000000	0 TASKS LEFT PERCENTAGE BUSY TIME 24.951321 20.706074 43.17781
CRAFT	STATE V		3 MEN CUMULATIVE BUSY TIME	1.48863734	3 MEN CUMULATIVE BUSY-TIME .01555988 .01143813 .73869226	50 HI/S CUMULATIVE BUSV TIME .61736111	1 MEN CUMULATIVE BUSY TIME 0.0000000	5 MEN CUMULATIVE BUSY TIME • 22456189 • 19049588 • 85355562
JURISDICTION: AR-5	AIRCRAFT DATA > ENDURANCE UPDATE TIME	RESOURCE DATA	200L 1 USING 3 OF AVAILABILITY TIMES FIRST NEXT		200L 2 USING 3 0F AVAILABILITY TIMES FIRST NEXT 1.443522125 1.44078112 L.42824069 1.43967882 0.00000000 .73869226	OOL         3 USING         12 OF           AVAILABILITY         TIMES           FIRST         NEXT           0.0000000         .61736111	POOL 4 USING 1 OF AVAILABILITY TIMES FIRST NEXT 0.0000000 0.0000000	POOL         5 USING         3 OF           AVAILABILITY TIMES         NEXT           FIRST         NEXT           L.10000000         1.32456189           L.0000000         1.27049588           0.0000000         1.27049582
LNO.	NO A/C TYPE		MAN RESOURCE ELEMENT	360	MAN RESOURCE ELEMENT 3418 3411 390	AUTO RESOURCE ELEMENT 406	MAN RESOURCE ELEMENT 4.22	MAN         RESOURCE           ELEMENT         3148           3103         433

Page 6.4-6
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MAN	RESOURCE ELEMENT 279	P00L 2 USINE 1 0F AVAILABILITY TIMES FIRST NEXT 0.0000000 .7955204	CUNULATIVE CUNULATIVE BUSY TIME •79552204	0 TASKS LEFT Percentage Busy Time 39.776102
AUTO	RESOURCE ELEMENT 295	POOL 3 USING 12 OF AVAILABILITY TIMES FIRST NEXT 0.00000000 .64895833	50 HI/S CUMULATIVE BUSY TIME .64895833	0'TASKS LEFT Percentage Busy Time 32.447917
MAN	RESOURCE ELEMENT 311	POOL 4 USING 1 OF AVAILABILITY TIMES FIRST NEXT 0.00000000 0.00000000	1 MEN CUMULATIVE BUSY TIME 0.0000000	0 TASKS LEFT Percentage Busy time 0.000000
MAN	RESOURCE ELEMENT 327	POOL 5 USING 1 OF AVAILABILITY TIMES FIRST NEXT 0.0000000 0.0000000	5 MEN CUMULATIVE BUSY TIME 0.0000000	0 TASKS LEFT Percentage Busy time 0.00000

TERMINAL JURISDICTION: SFO

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# 6.5 DELTA POST PROCESSOR REPORT

This section shows the DELTA Post Processor Report which was generated for the SFORAW case. It contains a count of task occurrence by jurisdiction and by aircraft and a list of model events for each aircraft.

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Page 6.5-5 **49** 30. 13. ÷. 4 ~ . 1 46. IS. IS SI 49 IS 45. IS 43 IS 48 47 19 NBWN o + m 16 N m TDTAL COUNT FOR TASK TOTAL COUNT FOR TASK TOTAL COJNT FOR TASK LOTAL COUNT FOR TASK TOTAL COUNT FOR TASK TOTAL COUNT FOR TASK A 2 - 3 A 2 - 5 E R - N AR-5 AR-5 AR-3 AR-5 ER-N SF0 SF0 AR-J AR-5 SFON AR-3 AR-3 AR-5 ER-S ۍ د ک 0 t-t-4 4 7 64 2020 44 48 84 **8**4 17 84 6.9

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TOTAL COUNT FOR TASK 73 IS 26.

74 AR-3 74 AR-5 74 ER-N 74 ER-N 74 ER-S 74 SFO 33

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TOTAL COUNT FOR TASK

TOTAL COUNT FOR TASK 75 IS 19.

30. 76 IS 8 215 TOTAL COUNT FOR TASK AR-5 AR-5 ER-N SFO 

TOTAL COUNT FOR TASK A1 IS 890.

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178         165         175         165         175         164         170         164         173         173         173         174         175         176         173         173         173         173         173         173         173         173         173         173         174         173         174         173         174         173         174         174         114         11	ER-N       178         ER-S       165         SFO       175         SFO       175         COUNT FOR TASK       82 IS         AR-3       170         AR-5       168         AR-5       168         AR-5       168         AR-5       170         AR-5       169         AR-5       169         AR-5       169         AR-5       169         AR-5       169         AR-5       164         SFO       14         SFO       14         OULL       3         NULL       3         SOUNT FOR TASK       94 IS         SFO       1         AR-5       1         AR-5       1         AR-5       1         AR-3					·								·				
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504       153       1         604       153       1         81RCRAFT       N504       ENTERED       AT         81RCRAFT       N504       HANDED       0FF       AT         81RCRAFT       N504       HANDED       0FF       AT       .3857798050       TO       AR-3.         81RCRAFT       N504       HANDED       0FF       AT       .3857798050       TO       AR-3.         81RCRAFT       N504       HANDED       0FF       AT       .7371260714       TO       SFD         81RCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       SFD         91RCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       SFD         91RCRAFT       N504       CHANGED       PHASE       AT       .7331260714       TO       SFD         91RCRAFT       N504       CHANGED       PHASE       AT       .7331260714       TO       SFD         91RCRAFT       N504       CHANGED       PHASE       AT       .33382274386       TO       ARTIVAL         91RCRAFT       N504       CHANGED       PHASE       AT       .8124377174	504       153       1         504       153       1         AIRCRAFT       N504       ENTERED       AT         AIRCRAFT       N504       HANDED       0FF       AT         AIRCRAFT       N504       HANDED       0FF       AT       .3857798050       TO       AR-3.         AIRCRAFT       N504       HANDED       0FF       AT       .3857798050       TO       AR-3.         AIRCRAFT       N504       HANDED       0FF       AT       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       TO       ARRIVAL       TRANSITICATION ARRIVAL         AIRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       TO       ARRIVAL       TO         AIRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       TO       ARRIVAL	504       153       1         504       153       1         AIRCRAFT       N504       ENTERED       AT         AIRCRAFT       N504       HANDED       0FF       AT         AIRCRAFT       N504       HANDED       0FF       AT       .3857798050       TO       AR-3.         AIRCRAFT       N504       HANDED       0FF       AT       .3857798050       TO       AR-3.         AIRCRAFT       N504       HANDED       0FF       AT       .7371260714       TO       SFD         AIRCRAFT       N504       CHANGED       PHASE       AT       .33382274386       TO       ARTIVAL         AIRCRAFT       N504       CHANGED       PHASE       AT       .33382274386       TO       ARTVAL	504       153       1         604       153       1         AIRCRAFT       N504       HANDED       0FF       AT         AIRCRAFT       N504       HANDED       0FF       AT       .3857798050       TO       AR-3.         AIRCRAFT       N504       HANDED       0FF       AT       .3857798050       TO       AR-3.         AIRCRAFT       N504       HANDED       0FF       AT       .3857798050       TO       AR-5.         AIRCRAFT       N504       HANDED       0FF       AT       .7371260714       TO       SF0         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       SF0         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       SF0         AIRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       TO       ARVAL       TANSITICATION         AIRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       TO       ARVAL       ANSITICATION	504       153       1         504       153       1         AIRCRAFT       N504       ENTERED       AT       .0000010000       IN       ER-S.         AIRCRAFT       N504       HANDED       OFF       AT       .3857798050       TO       AR-3.         AIRCRAFT       N504       HANDED       OFF       AT       .3857798050       TO       AR-3.         AIRCRAFT       N504       HANDED       OFF       AT       .3751260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       TO       ARRIVAL       TRANTING
504       149       1         504       153       1         S04       153       1         AIRCRAFT N504 ENTERED AT       .0000010000 IN ER-S.         AIRCRAFT N504 HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504 HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504 HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504 CHANGED PHASE AT       .0000010000 TO ARPS.         AIRCRAFT N504 CHANGED PHASE AT       .3382274386 TO ARPS.         AIRCRAFT N504 CHANGED PHASE AT       .8124377174 TO LANDING.         AIRCRAFT N504 CHANGED PHASE AT       .8124377174 TO LANDING.	504       149       1         504       153       1         AIRCRAFT N504 ENTERED AT       .0000010000 IN ER-S.         AIRCRAFT N504 HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504 HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504 HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504 CHANGED PHASE AT       .0000010000 TO AR-5.         AIRCRAFT N504 CHANGED PHASE AT       .3382274386 TO ARRIVAL TRANSITICATION ARRIVAL TRANSITICATION ARRIVAL TRANSITICATION ARREAT         AIRCRAFT N504 CHANGED PHASE AT       .3382274386 TO APPROACH.         AIRCRAFT N504 CHANGED PHASE AT       .8124377174 TO LANDING.	504       149       1         504       153       1         AIRCRAFT N504 ENTERED AT       .0000010000 IN ER-S.         AIRCRAFT N504 HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504 HANDED OFF AT       .3857798050 TO AR-5.         AIRCRAFT N504 HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504 HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504 CHANGED PHASE AT       .0000010000 TO ARPS.         AIRCRAFT N504 CHANGED PHASE AT       .3382274386 TO APPROACH.         AIRCRAFT N504 CHANGED PHASE AT       .8124377174 TO LANDING.	504       149       1         504       153       1         504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARRIVAL TRANSITIO         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO APPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .33822744386 TO ARRIVAL TRANSITIONATION ARRIVAL TRANSITIONATION ARRONATIONATIONATIONATIONATIONATIONATIONATI	504       149       1         504       153       1         AIRCRAFT N504 ENTERED AT       .0000010000 IN ER-S.         AIRCRAFT N504 HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504 HANDED OFF AT       .35666959303 TO AR-3.         AIRCRAFT N504 HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504 CHANGED PHASE AT       .0000010000 TO ARRIVAL TRANSITION         AIRCRAFT N504 CHANGED PHASE AT       .3382274386 TO ARRIVAL TRANSITION         AIRCRAFT N504 CHANGED PHASE AT       .3382274386 TO ARRIVAL TRANSITION
504       149       1         1504       153       1         AIRCRAFT N504       ENTERED AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARRUAL TRANSITICATION AND ARRUAL TRANSITICATION AND AND AND AND AND AND AND AND AND AN	504       149       1         1504       153       1       AIRCRAFT N504 ENTERED AT       .0000010000 IN ER-S.         aircraft N504 Handed Off At       .3857798050 TO AR-3.       .3857798050 TO AR-3.         aircraft N504 Handed Off At       .5666959303 TO AR-5.       .3857798050 TO AR-5.         aircraft N504 Handed Off At       .7371260714 TO SF0 .       .0000010000 TO AR-5.         aircraft N504 CHANGED PHASE At       .3382274386 TO ARPCACH.         aircraft N504 CHANGED PHASE At       .8124377174 TO LANDING.         aircraft N504 CHANGED PHASE At       .8124377174 TO LANDING.	504       149       1         1504       153       1         AIRCRAFT N504       ENTERED AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARRIVAL TRANSITICATICATICATICATICATICATICATICATICATIC	504       149       1         504       153       1         AIRCRAFT N504       ENTERED AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARRIVAL TRANSITION         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPROACH.	504       149       1         1504       153       1         AIRCRAFT N504       ENTERED AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPROACH.
149       1         504       149       1         AIRCRAFT N504       ENTERED AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .35666959303 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPS.	149       1         1504       149       1         1504       153       1         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPS.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.	149       1         504       149       1         AIRCRAFT N504       ENTERED AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPS.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARRIVAL TRANSITICATURA         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.	149       1         1504       149       1         1504       153       1         1504       153       1         1       AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .5566959303 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARTVAL TRANSITION         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARTVAL TRANSITION         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARTVAL TRANSITION         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARTVAL TRANSITION	149       1         1504       149       1         1504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPS.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPROACH.
504       147       1         1504       149       1         1504       153       1         1504       153       1         aircraft N504       Handed Off At       .3857798050 to Ar-3.         Aircraft N504       Handed Off At       .5666959303 to Ar-3.         Aircraft N504       Handed Off At       .7371260714 to Sfo         Aircraft N504       Handed Off At       .7371260714 to Sfo         Aircraft N504       Handed Off At       .3382274386 to Arrest         Aircraft N504       CHANGED PHASE At       .3382274386 to Arrest         Aircraft N504       CHANGED PHASE At       .3382274386 to Approach.         Aircraft N504       CHANGED PHASE At       .8124377174 to Landing.	504       147       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       000001000       1N ER-S.         1504       14NDED       055       3357798050       0 R-3.         1504       1504       HANDED       057       100001000       0 R-3.         1504       1504       HANDED       057       100001000       0 R-3.         1604       14NDED       057       1       .7371260714       10       57         1704       1500100000       057       1       .7371260714       10       57       11         1705       110001       10       07       1700010000       17       17       10         1705       110001       10       10       10       1000010000       10       10       10       10       10       10       10       10       10       10	147       1         1504       147       1         1504       149       1         1504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504       HANDED OFF AT       .3382274386 TO SFO.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARRUAL TRANSITION         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.	504       147       1         1504       149       1         1504       149       1         1504       153       1         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SF0 .         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARRIVAL TRANSITION AT         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO APPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO APPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO LANDING.	147       1         1504       147       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       1504       1         1504       1566       59303       0         1504       1       5666959303       0       877260714         1       17371260714       10       570       8         1       17371260714       10       0       1         1       17382274386       10       1       1         1       17382274386       10       1       1         1       1       1       1       1       1         1       1       1       1       1       1       1         1       1       1       1       1       1       1 <t< td=""></t<>
504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPS.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARRIVAL TRANSITIONAL         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPOACH.         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.	504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       HANDED OFF AT       .3382274386 TO ARPS.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARRIVAL TRANSITI         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.	504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARRIVAL TRANSITI         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARRIVAL TRANSITI         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.	504       147       1         504       149       1         504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       100001000         1504       14N0ED       055         1504       14N0ED       057         1504       14N0ED       057         1504       14N0ED       057         16       171260714       10         17174       10       10         181CRAFT       N504       CHANGED         17174       10       100001000         17174       10       LANDING.	504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       000001000       1N ER-S.         1504       HANDED       0FF       3557798050       0 R-3.         1504       HANDED       0FF       1       .5666959303       0 Ar-3.         1504       HANDED       0FF       AT       .5666959303       0 Ar-5.         1504       HANDED       0FF       AT       .7371260714       10       ARTIVAL         1600       CHANGED       PHASE       AT       .3382274386       10       ARTIVAL         17       ATRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       10       APROACH.
504       145       1         504       147       1         504       153       1         504       153       1         504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPS.	504       145       1         504       147       1         504       153       1         504       153       1         504       153       1         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO AR-5.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO AR-5.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPC.	504       145       1         504       147       1         504       143       1         504       153       1         504       153       1         3857798050       70         AIRCRAFT       N504         HANDED       057         504       153         AIRCRAFT       N504         HANDED       057         7371260714       0         AIRCRAFT       N504         HANDED       077         7371260714       0         AIRCRAFT       N504         HANDED       077         AIRCRAFT       N504         HANDED       077         AIRCRAFT       N504         CHANGED       PHASE         AIRCRAFT       N504 </td <td>504       145       1         504       147       1         504       149       1         504       149       1         504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO AR-5.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPONCH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPONCH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPONCH.</td> <td>504       145       1         504       147       1         504       149       1         504       153       1         504       153       1         AIRCRAFT N504       ENTERED AT       .0000010000 IN ER-S.         3857798050 TO AR-3.       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPC.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPC.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPROACH.</td>	504       145       1         504       147       1         504       149       1         504       149       1         504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO AR-5.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPONCH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPONCH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPONCH.	504       145       1         504       147       1         504       149       1         504       153       1         504       153       1         AIRCRAFT N504       ENTERED AT       .0000010000 IN ER-S.         3857798050 TO AR-3.       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPC.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPC.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPROACH.
145       1         147       1         1504       147         147       1         1504       147         149       1         1504       149         1504       149         1504       153         1       3357798050         149       1         1504       153         1504       153         1504       153         1504       1504         1504       1506         1504       1400ED         1504       1400ED         1504       1400ED         1504       1400ED         16000010000       10         1771260714       10         1771260714       10         1704       10         1704       10         1804       100001000         1714       10         1812437717       174         1812437717       174         1812437717       174	145       1         147       1         1504       147         147       1         1504       147         149       1         1504       149         1504       149         1504       153         1504       153         1504       153         1504       153         1504       153         1504       153         1504       150         1504       150         1504       150         1504       150         1504       1000000         1504       100000         1504       100000         1600000000       10000000         1771260714       10         18004       14ANGED         18004       14ANGED         18004       14ANGED         18004       17174         18004       14ANGED         180127436       10         18012600       11         18012600       100000000         180124174       10         18012600       100000000         18012600       10	145       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .3382274386 TO ARPS.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARRIVAL TRANSTITC         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.	145       1         147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504, CHANGED PHASE AT       .000000000000000000000000000000000000	145       1         147       1         1504       147       1         1504       147       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       0000010000       1N ER-S.         1504       153       1       .3357798050       0 R-3.         1504       1504       41 NDED       055 A1       .5666959303       0 R-5.         AIRCRAFT <n504< td="">       HANDED       057 A1       .7371260714       0 SFO       .         AIRCRAFT<n504< td="">       CHANGED       PHASE       .0000010000       10 ARTVAL       TRANSITIC         AIRCRAFT<n504< td="">       CHANGED       PHASE       .3382274336       10 APPROACH.         AIRCRAFT<n504< td="">       CHANGED       PHASE       .3382274366       10 APPROACH.</n504<></n504<></n504<></n504<>
1504       145       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         2100000000       0660000000000000000000000000000000000	1504       145       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         201001000       1N       ER-S.         201001000       1N       ER-S.         201001000       10001000       1N         201001000       0FF       3357798050       0AR-3.         201001000       0FF       1       5666959303       10       AR-3.         2010010000       0FF       1       7371260714       10       56         20100010000       0FF       1       7371260714       10       57         20100010000       0FF       1       7371260714       10       57         201000010000       0FF       1       7371260714       10       57         201000010000       0FF       1       73382274386       10       20         201000000       0FF       1       3382274386       10       20 <td>1504       145       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       150       800001000       18         1504       153       1       000001000       18         1504       150       8180       8180       8857798050       08         1504       150       8180       8180       8857798050       08       87         1504       143050       066       71       5666959303       70       87       5666959303       70       87         1800       1800       17       5666959303       70       87       57       5666959303       70       70         1810       17       55666959303       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70</td> <td>1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       1400ED       055       3857798050         1504       HANDED       055       3771260714       10         1504       HANDED       055       3771260714       10         1504       CHANGED       PHASE       1       .0000010000       10         1504       CHANGED       PHASE       1       .33382274386       10       ARTIVAL         1504       CHANGED       PHASE       1       .33382274386       10       APPROACH.</td> <td>145       1         147       1         1504       147         1504       147         1504       149         1504       149         1504       149         1504       149         1504       1504         1504       153         1504       153         1504       153         1504       153         1504       153         1504       153         1504       1504         1504       1506         1504       1506         1504       1506         1504       10000000         1505       110         160000000       100000         1771260714       10         171260714       10         171260714       10         1712607       10         1712607       10         1712       13382274386         1712       10         1712       10         1712       10         1712       10         1712       10         1712       10         1712</td>	1504       145       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       150       800001000       18         1504       153       1       000001000       18         1504       150       8180       8180       8857798050       08         1504       150       8180       8180       8857798050       08       87         1504       143050       066       71       5666959303       70       87       5666959303       70       87         1800       1800       17       5666959303       70       87       57       5666959303       70       70         1810       17       55666959303       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70       70	1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       1400ED       055       3857798050         1504       HANDED       055       3771260714       10         1504       HANDED       055       3771260714       10         1504       CHANGED       PHASE       1       .0000010000       10         1504       CHANGED       PHASE       1       .33382274386       10       ARTIVAL         1504       CHANGED       PHASE       1       .33382274386       10       APPROACH.	145       1         147       1         1504       147         1504       147         1504       149         1504       149         1504       149         1504       149         1504       1504         1504       153         1504       153         1504       153         1504       153         1504       153         1504       153         1504       1504         1504       1506         1504       1506         1504       1506         1504       10000000         1505       110         160000000       100000         1771260714       10         171260714       10         171260714       10         1712607       10         1712607       10         1712       13382274386         1712       10         1712       10         1712       10         1712       10         1712       10         1712       10         1712
504       145       1         147       1         1504       147       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       1504       100001000         1504       1504       100001000         1504       11       5666959303         1       7371260714       10         1       18004       04000000         181CRAFT       1504       040000000         181CRAFT       1504       140050         1       13382274386       0         181CRAFT       1504       040060         18124377174       10       14000         18124377174       10       1400	504       145       1         1504       147       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       1504       15666959303       0         1504       1504       1       .7371260714       0         1504       1       .7371260714       0       386704         1       .7371260714       10       371260714       0         1       .73382274386       0       3782274386       0         1       .1       .3382274386       0       1         1       .1       .3382274386       0       0         1       .1       .3382274386       0       0         1       .1	504       145       1         147       1         1504       147       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         149       1         1504       153         1504       153         1504       153         1       3857798050         1       5666959303         1       5666959303         1       5666959303         1       5666959303         1       5666959303         1       5666959303         1       5666959303         1       5666959303         1       5666959303         1       5666959303         1       5771260714         1       181CRAFT         1       17174         1       18124377174         1       18124377174         1       18124377174         1       18124377174	504       145       1         147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       000010000         1504       1504       100001000         1504       1504       100001000         1504       1400ED       0FF       1         1504       1400ED       0FF       1       7371260714         1504       1400ED       0FF       1       7371260714       0         1504       CHANGED       PHASE       1       0000010000       10       0         16000010000       10       10       10       10       0       11         17       10       10       10       10       0       11         17       10       10       10       10       0       11         18124377174       10       10       10       10       10	504       145       1         1504       147       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       100001000         1604       1400ED       055         17371260714       10         1812CRAFT       1504         1812CRAFT       1504         1812CRAFT       1504         1812CRAFT       1000010000         1812CRAFT       1000010000         1812CRAFT       10000010000         1812CRAFT       10000010000         1812CRAFT       10000010000         1812CRAFT       10000010000         1812CRAFT       1000000000         1812CRAFT       10000000000         1812CRAFT       10000000000         1812CRAFT       10000000000
504       144       1         1504       145       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       3357798050       0         1504       153       3357798050       0       0         1504       HANDED       0       7371260714       0       5         1504       HANDED       0       7371260714       0       5       5         1504       HANDED       0       7371260714       0       5       5         1       1       .7371260714       10       5       1       3       3       3       2       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	504       144       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       3357798050       0         1504       153       3357798050       0       0         1504       1504       1       .5666959303       0       0         1504       HANDED       0       7371260714       0       5         1504       HANDED       0       7371260714       0       5         1       .7371260714       0       5       3       0       3         1       .18704       HANGED       PHASE       7       .3382274386       0       0       0       0       0       1         1       .18124377174       10       1000000000000000000000000000000000000	504       144       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       3857798050       0         1504       1400ED       0       7371260714       0         1504       HANDED       0       7371260714       0       50         1504       HANDED       0       7371260714       0       50         1504       HANDED       0       7371260714       0       50         1504       CHANGED       PHASE       7371260714       10       50         1504       CHANGED       PHASE       3382274386       10       0       7382274386       10       0         15124377174       17       17       10       10       10       10	504       144       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         201001000       10001000       10         1504       150       .3857798050         201001000       10       2857798050         201001000       10       2857798050         201001000       10       28557798050         201001000       14       10         201001000       10       28557798050         2010010000       10       28557798050         2180014       10       2871260714         2180014       10       2871260714       10         218004       28004       2871260714       10         218017       3382274386       10       287274386         218017       218004       28124377174       10         21801600       11       28124377174 <td>504       144       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       15       3357798050       10         1504       15       3357798050       10       17         1504       15       1       5666959303       10       18       17         1504       15       1       5566959303       10       17       17         1504       14NDED       0FF       AT       7371260714       10       3701000       10       17         15       17       1338274336       10       10000000       100000000       1000000000000000000000000000000000000</td>	504       144       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       15       3357798050       10         1504       15       3357798050       10       17         1504       15       1       5666959303       10       18       17         1504       15       1       5566959303       10       17       17         1504       14NDED       0FF       AT       7371260714       10       3701000       10       17         15       17       1338274336       10       10000000       100000000       1000000000000000000000000000000000000
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AIRCRAFT       N504       HANDED       057       335274386       10       377126071         AIRCRAFT       N504       CHANGED       PHASE       AI       .0000010000       10       0.00001000       10       174       10       ARNSITIC         AIRCRAFT       N504       CHANGED       PHASE       AI       .0000010000       10       0.00001000       10       0.00001000       10       10       10</td> <td>504       144       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1       .000010000       1N ER-S.         1504       153       1       .000010000       1N ER-S.         1504       HANDED       0FF       AT       .0566959303       1O AR-S.         AIRCRAFT       N504       HANDED       0FF       AT       .7371260714       1O AR-S.         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       1O ARTVAL       IRANSITIC         AIRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       1O ARPROACH.         AIRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       1O ARPROACH.</td> <td>504       144       1         1504       145       1         1504       145       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1       00001000 IN ER-S.         1504       153       1       00001000 IN ER-S.         1504       153       1       00001000 IN ER-S.         1504       1504       HANDED OFF AT       .000001000 IN ER-S.         1504       HANDED OFF AT       .000001000 IN ER-S.       .000001000 IN ER-S.         1504       HANDED OFF AT       .7371260714 TO SFO       .0000010000 IN AFSO         1705       AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPSOACH.         1705       AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPSOACH.</td>	504       144       1         1504       145       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       1504       ANDED       05730       0.0001000       IN ER-S.         1504       153       1       .0000010000       IN ER-S.       .3857798050       0.007.5.         1504       HANDED       057       AIRCRAFT       N504       HANDED       057       0.000010000       IN ER-S.         AIRCRAFT       N504       HANDED       057       335274386       10       377126071         AIRCRAFT       N504       CHANGED       PHASE       AI       .0000010000       10       0.00001000       10       174       10       ARNSITIC         AIRCRAFT       N504       CHANGED       PHASE       AI       .0000010000       10       0.00001000       10       0.00001000       10       10       10	504       144       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1       .000010000       1N ER-S.         1504       153       1       .000010000       1N ER-S.         1504       HANDED       0FF       AT       .0566959303       1O AR-S.         AIRCRAFT       N504       HANDED       0FF       AT       .7371260714       1O AR-S.         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       1O ARTVAL       IRANSITIC         AIRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       1O ARPROACH.         AIRCRAFT       N504       CHANGED       PHASE       AT       .3382274386       1O ARPROACH.	504       144       1         1504       145       1         1504       145       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1       00001000 IN ER-S.         1504       153       1       00001000 IN ER-S.         1504       153       1       00001000 IN ER-S.         1504       1504       HANDED OFF AT       .000001000 IN ER-S.         1504       HANDED OFF AT       .000001000 IN ER-S.       .000001000 IN ER-S.         1504       HANDED OFF AT       .7371260714 TO SFO       .0000010000 IN AFSO         1705       AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPSOACH.         1705       AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPSOACH.
504       144       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       100001000         16504       14305       057798050         16505       15       1         16504       14305       0566959303       10         16504       15       1       .5666959303       10         17371260714       10       56       .7333274386       10         1764       143005       014306       0       3332274386       10         174       10       1000010000       10       0       3332274386       10       10         1774       174       10       20       .       .       .	504       144       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         151       1       .000001000       1N ER-S.         1504       14NDED       0FF AT       .3357798050       10 AR-S.         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       10 SFO         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       10 SFO         AIRCRAFT       N504       CHANGED       PHASE       .7371260714       10 SFO       .         AIRCRAFT       N504       CHANGED       PHASE       .3338274386       10 ARPINGH       .         AIRCRAFT       N504       CHANGED       PHASE       .812437714       10 ARPINGH       .	504       144       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         151       1       .000001000       1N ER-S.         1504       140       1       .3357798050       10 Ar-3.         1504       153       1       .5666959303       10 Ar-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714       10 SF0         AIRCRAFT N504       HANDED OFF AT       .7371260714       10 SF0         AIRCRAFT N504       HANGED PHASE AT       .3382274386       10 APPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386       10 APPROACH.	144       1         1504       145         147       1         1504       147         1504       149         1504       149         1504       149         1504       149         1504       149         1504       149         1504       149         1       5666959303         149       1         1504       1400ED         1504       1000011000         1504       1400ED         16       7371260714         174       10         174       10         174       10         174       10         174       10         174       10         174       10         174       10         174       10         174       10 <td>144       1         1504       144         147       1         1504       149         1504       149         1504       149         1504       149         1504       149         1504       149         1       3857798050         149       1         1504       149         153       1         1504       149         153       1         1504       153         1504       153         1504       1504         1504       15666959303         1504       16         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         17       17         17       17         17       17         17       17         17</td>	144       1         1504       144         147       1         1504       149         1504       149         1504       149         1504       149         1504       149         1504       149         1       3857798050         149       1         1504       149         153       1         1504       149         153       1         1504       153         1504       153         1504       1504         1504       15666959303         1504       16         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         1504       17         17       17         17       17         17       17         17       17         17
143       1         1504       145         145       1         1504       147         147       1         1504       147         1504       147         1504       147         1504       147         1504       147         1504       147         1504       147         1504       149         1       3357798050         1504       149         1       3357798050         149       1         1504       140000         1       3357798050         1504       140000         1504       140000         1504       140000         1504       140000         1504       140000         1504       140000         1504       140000         1504       140000         1504       140000         1504       140000         1504       140000         1600       10000000         17332274386       10         18124377174       10         173382274386       10	143       1         1504       145         145       1         1504       147         1504       147         1504       147         1504       147         1504       147         1504       147         1504       147         1504       149         1       3857798050         1504       149         1       3857798050         1504       149         1       3857798050         1       3857798050         1       5666959303         1       7371260714         1       7371260714         1       7371260714         1       31RCRAFT         1       731260714         1       731260714         1       3382274386         1       3382274386         1       31RCRAFT         1       3382274386         1       3184377174         1       1         1       3382274386         1       3184377174         1       3382274386         1       3184377174	143       1         1504       145       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       1400ED       0ff       3357798050         149       1       .3857798050       0 Ar-5.         AIRCRAFT       N504       HANDED       0ff       335779050       0 Ar-5.         AIRCRAFT       N504       HANDED       0ff       7371260714       10       56         AIRCRAFT       N504       HANDED       0ff       3332274386       10       AR-5.         AIRCRAFT       N504       CHANGED       PHASE       AI       .3332274386       10       APPPROACH.	144       1         1504       144       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       153       1         1504       100000000       10000000         1504       100000000       10000000         1504       10000000       10000000         1504       1000000000       0	144       1         1504       144         1504       145         1504       147         1504       147         1504       147         1504       147         1504       147         1504       147         1504       149         1504       149         1       3857798050         160       153         17       3857798050         1804       140050         19       1         1504       15         1504       15         1504       15         1504       15         1504       15         1504       15         1504       15         1504       15         1504       15         1504       160050         15       1         15       15066959303         15       1         15       15000010000         15       1         15       1000010000         15       17271260714         16       1700000000         17       10000010000
4504       143       1         4504       144       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       1480ED       066         4504       1480ED       066         4504       1480ED       066         153       1       000001000         160       149       1         4504       HANDED       066         16       153       1         17,0100       100001000       1000         16       153       1000001000         17,01001       100001000       166         18,014       100001000       100001000         18,014       100001000       100001000         11       7771260714       10         11       17,01001       1400         11       17,01001       10000000         18,124377174       10 <td>4504       143       1         4504       144       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       1490       1         4504       1490       1         153       1       3357798050       70         AIRCRAFT       N504       HANDED       0FF       3357798050       70         AIRCRAFT       N504       HANDED       0FF       1       .7371260714       70       50         AIRCRAFT       N504       HANGED       PHASE       .7371260714       70       50         AIRCRAFT       N504       HANGED       PHASE       .3382274386       10       APPROACH.         AIRCRAFT       N504       CHANGED       PHASE       .33382274386       10       APPROACH.</td> <td>4504       143       1         4504       144       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANGED PHASE AT       .00000010000 TO AR-S.         AIRCRAFT N504       HANGED OFF AT       .3382274386 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPOACH.         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.</td> <td>4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       149       1         7504       149       1         7504       149       1         7504       149       1         7504       153       1         7504       1400ED       0FF       3357798050         7       7371260714       10       SFO         7371260714       10       SFO         AIRCRAFT       N504       CHANGED       PHASE         AIRCRAFT       N504       CHANGED       PHASE       7371260714       TO         AIRCRAFT       N504       CHANGED       PHASE       73382274386       IO       ARTIVAL         AIRCRAFT       N504       CHANGED       PHASE       33382274386       IO       ARDING.   <td>4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       153       1         4504       153       1         4104       1       .0000010000         153       1       .3357798050         4504       40050       055       0         410050       057       14       0505         410050       057       1       .3357798050       0         410050       057       07       .7371260714       10       56         AIRCRAFT       N504       CHANGED       PHASE       .3332274386       10       ARTIVAL         AIRGRAFT       N504       CHANGED       PHASE       .33332274386       10       ANDTNC         AIRGRAFT       N504       CHANGED       PHASE       .1       .33332774386       10</td></td>	4504       143       1         4504       144       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       1490       1         4504       1490       1         153       1       3357798050       70         AIRCRAFT       N504       HANDED       0FF       3357798050       70         AIRCRAFT       N504       HANDED       0FF       1       .7371260714       70       50         AIRCRAFT       N504       HANGED       PHASE       .7371260714       70       50         AIRCRAFT       N504       HANGED       PHASE       .3382274386       10       APPROACH.         AIRCRAFT       N504       CHANGED       PHASE       .33382274386       10       APPROACH.	4504       143       1         4504       144       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .3357798050 TO AR-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANGED PHASE AT       .00000010000 TO AR-S.         AIRCRAFT N504       HANGED OFF AT       .3382274386 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPOACH.         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.	4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       149       1         7504       149       1         7504       149       1         7504       149       1         7504       153       1         7504       1400ED       0FF       3357798050         7       7371260714       10       SFO         7371260714       10       SFO         AIRCRAFT       N504       CHANGED       PHASE         AIRCRAFT       N504       CHANGED       PHASE       7371260714       TO         AIRCRAFT       N504       CHANGED       PHASE       73382274386       IO       ARTIVAL         AIRCRAFT       N504       CHANGED       PHASE       33382274386       IO       ARDING. <td>4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       153       1         4504       153       1         4104       1       .0000010000         153       1       .3357798050         4504       40050       055       0         410050       057       14       0505         410050       057       1       .3357798050       0         410050       057       07       .7371260714       10       56         AIRCRAFT       N504       CHANGED       PHASE       .3332274386       10       ARTIVAL         AIRGRAFT       N504       CHANGED       PHASE       .33332274386       10       ANDTNC         AIRGRAFT       N504       CHANGED       PHASE       .1       .33332774386       10</td>	4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       153       1         4504       153       1         4104       1       .0000010000         153       1       .3357798050         4504       40050       055       0         410050       057       14       0505         410050       057       1       .3357798050       0         410050       057       07       .7371260714       10       56         AIRCRAFT       N504       CHANGED       PHASE       .3332274386       10       ARTIVAL         AIRGRAFT       N504       CHANGED       PHASE       .33332274386       10       ANDTNC         AIRGRAFT       N504       CHANGED       PHASE       .1       .33332774386       10
4504       143       1         4504       144       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       48006       066         4504       48006       066         4504       48006       066         4504       48006       066         4504       48006       066         4100001000       10       07         4100001000       10       10         410000000       14       10         410000000       16       1       .7371260714         4100000000       10       41       .3382274386       10         41004       103004       040660       148124377174       10<	143       1         1504       144         1504       145         1504       147         1504       147         1504       147         1504       149         1       3857798050         149       1         1504       149         1       3857798050         149       1         1504       149         151       3857798050         152       1         1504       153         153       1         1504       153         1504       1400E0         1504       1504         1504       1400E0         1504       1504         1504       1704         1504       1704         1504       1704         1504       1704         1504       1704         1504       174         1504       174         1600       174         174       174         174       174         174       174         174       174         1774       174 </td <td>4504       143       1         4504       144       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         731260714       73357798050       70         81RCRAFT       N504       HANDED       066         7377260714       10000010000       10       28656959303         81RCRAFT       N504       HANDED       067       AT         7377260714       10       777260714       10       56         81RCRAFT       N504       CHANGED       PHASE       3382274386       10       ARRIVAL         81RCRAFT       N504       CHANGED       PHASE       3382274386       10       ARRIVAL       TANDINGCO</td> <td>4504       143       1         4504       145       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       153       1         4104       1       .0000010000         149       1       .3857798050         149       1       .3857798050         4504       HANDED       0FF AT       .5666959303         410,000       14       087-5.         AIRCRAFT       N504       HANDED       0FF AT         7371260714       10       SF0         AIRCRAFT       N504       CHANGED       PHASE         AIRCRAFT       N504       CHANGED       PHASE       .3332274386       10         AIRCRAFT       N504       CHANGED       PHASE       .3332274386       10       APPROACH.</td> <td>4504       143       1         4504       145       1         4504       145       1         4504       145       1         4504       145       1         4504       149       1         4504       149       1         4504       149       1         4504       153       1         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         .3857798050 TO AR-3.       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO 5F0         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPS.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPS.</td>	4504       143       1         4504       144       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         731260714       73357798050       70         81RCRAFT       N504       HANDED       066         7377260714       10000010000       10       28656959303         81RCRAFT       N504       HANDED       067       AT         7377260714       10       777260714       10       56         81RCRAFT       N504       CHANGED       PHASE       3382274386       10       ARRIVAL         81RCRAFT       N504       CHANGED       PHASE       3382274386       10       ARRIVAL       TANDINGCO	4504       143       1         4504       145       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       153       1         4104       1       .0000010000         149       1       .3857798050         149       1       .3857798050         4504       HANDED       0FF AT       .5666959303         410,000       14       087-5.         AIRCRAFT       N504       HANDED       0FF AT         7371260714       10       SF0         AIRCRAFT       N504       CHANGED       PHASE         AIRCRAFT       N504       CHANGED       PHASE       .3332274386       10         AIRCRAFT       N504       CHANGED       PHASE       .3332274386       10       APPROACH.	4504       143       1         4504       145       1         4504       145       1         4504       145       1         4504       145       1         4504       149       1         4504       149       1         4504       149       1         4504       153       1         AIRCRAFT N504       HANDED OFF AT       .3857798050 TO AR-3.         .3857798050 TO AR-3.       .3857798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO 5F0         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARPS.
144       1         1504       144         147       1         1504       147         147       1         1504       147         149       1         1504       149         1504       149         1504       149         1504       149         1504       149         1504       150         1504       150         1504       153         1504       153         1504       153         1504       153         1504       153         1504       153         1504       153         1504       153         1533       1566959303         1533       1543714         1533       1000010000         1533       10         1504       11         1504       11         1504       11         15665959303       10         1543774       10         15437174       10         15437174       10         15437174       10         154377174 <td< td=""><td>4504       143       1         4504       144       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       149       1         4504       153       1         4504       153       1         4504       153       100001000         10       1866959303       10         410       1       .7371260714       10         41004       44N0ED       0FF       1       .7371260714         41004       44N0ED       0FF       1       .7371260714       10         41004       41ANDED       0FF       1       .7371260714       10       50         41004       153437714       10       0       0       0       11         41004       14306       14356       1       .3382274366       10       0       11         41004       14306       14356       14356       14356&lt;</td><td>144       1         1504       144         145       1         1504       147         147       1         1504       147         149       1         1504       147         149       1         1504       149         1504       149         1504       149         1504       149         1504       149         1504       153         1504       153         1504       153         1504       150         1504       150         1504       150         1504       150         1504       10000000         1505       170         1504       10000         1505       170         1506       170         1506       170         1504       170         1504       170         16       174         174       10         174       10         174       10         174       10         174       10         174<!--</td--><td>4504       142       1         4504       143       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       HANDED OFF AT       .3357798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .73382274386 TO ARTIVAL TRANSITIC         AIRCRAFT N504       CHANGED PHASE AT       .33382274386 TO ARTIVAL TRANSITIC         AIRCRAFT N504       CHANGED PHASE AT       .33382274386 TO ARTIVAL TRANSITIC</td><td>4504       142       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4505       15303       10         41       1533       10         41       1533       10         41       1560744       10         41       17       17338274386         41       10       1000001000         41       10       10</td></td></td<>	4504       143       1         4504       144       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       149       1         4504       153       1         4504       153       1         4504       153       100001000         10       1866959303       10         410       1       .7371260714       10         41004       44N0ED       0FF       1       .7371260714         41004       44N0ED       0FF       1       .7371260714       10         41004       41ANDED       0FF       1       .7371260714       10       50         41004       153437714       10       0       0       0       11         41004       14306       14356       1       .3382274366       10       0       11         41004       14306       14356       14356       14356<	144       1         1504       144         145       1         1504       147         147       1         1504       147         149       1         1504       147         149       1         1504       149         1504       149         1504       149         1504       149         1504       149         1504       153         1504       153         1504       153         1504       150         1504       150         1504       150         1504       150         1504       10000000         1505       170         1504       10000         1505       170         1506       170         1506       170         1504       170         1504       170         16       174         174       10         174       10         174       10         174       10         174       10         174 </td <td>4504       142       1         4504       143       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       HANDED OFF AT       .3357798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .73382274386 TO ARTIVAL TRANSITIC         AIRCRAFT N504       CHANGED PHASE AT       .33382274386 TO ARTIVAL TRANSITIC         AIRCRAFT N504       CHANGED PHASE AT       .33382274386 TO ARTIVAL TRANSITIC</td> <td>4504       142       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4505       15303       10         41       1533       10         41       1533       10         41       1560744       10         41       17       17338274386         41       10       1000001000         41       10       10</td>	4504       142       1         4504       143       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       HANDED OFF AT       .3357798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .73382274386 TO ARTIVAL TRANSITIC         AIRCRAFT N504       CHANGED PHASE AT       .33382274386 TO ARTIVAL TRANSITIC         AIRCRAFT N504       CHANGED PHASE AT       .33382274386 TO ARTIVAL TRANSITIC	4504       142       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4505       15303       10         41       1533       10         41       1533       10         41       1560744       10         41       17       17338274386         41       10       1000001000         41       10       10
4504       142       1         4504       143       1         4504       143       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         410000       10       100000000         410000       10       2855798050         410000       10       2857798050         410000       10       27371260714       10         410000       10       3382274386       10         410000       10       3382274386       10         4100000       10       23382274386       10         4100000       10       3124377174       10         4100000       100000000       10       3124377174       10 <tr< td=""><td>4504       142       1         4504       143       1         4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         41000000000000000000000000000000000000</td><td>4504       142       1         4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153857798050       10         410,000       18       7371260714       10         410,000       10       1       7371260714       10         410,000       10       10       10       174       10         410,000       10       10       10       10       10       10         410,000       10       10       10</td><td>4504       142       1         4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       14000000       1N ER-S.         4504       4NDED OFF AT       .0000010000         410000000       10 AR-5.         AIRCRAFT N504       HANDED OFF AT         77371260714       10 AR-5.         AIRCRAFT N504       HANDED OFF AT         7371260714       10 AR-14         AIRCRAFT N504       HANDED OFF AT         7371260714       10 AR-5.         AIRCRAFT N504       CHANGED PHASE         AIRCRAFT N504       CHANGED PHASE         AIRCRAFT N504       CHANGED PHASE         AIRCRAFT N504       CHANGED PHASE<td>4504       142       1         4504       143       1         4504       143       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       149       1         4504       14000000000000000000000000000000000000</td></td></tr<>	4504       142       1         4504       143       1         4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         41000000000000000000000000000000000000	4504       142       1         4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153857798050       10         410,000       18       7371260714       10         410,000       10       1       7371260714       10         410,000       10       10       10       174       10         410,000       10       10       10       10       10       10         410,000       10       10       10	4504       142       1         4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       14000000       1N ER-S.         4504       4NDED OFF AT       .0000010000         410000000       10 AR-5.         AIRCRAFT N504       HANDED OFF AT         77371260714       10 AR-5.         AIRCRAFT N504       HANDED OFF AT         7371260714       10 AR-14         AIRCRAFT N504       HANDED OFF AT         7371260714       10 AR-5.         AIRCRAFT N504       CHANGED PHASE         AIRCRAFT N504       CHANGED PHASE         AIRCRAFT N504       CHANGED PHASE         AIRCRAFT N504       CHANGED PHASE <td>4504       142       1         4504       143       1         4504       143       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       149       1         4504       14000000000000000000000000000000000000</td>	4504       142       1         4504       143       1         4504       143       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       149       1         4504       14000000000000000000000000000000000000
V504       142       1         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED         V504       153       1         AIRCRAFT       N504       HANDED         AIRCRAFT </td <td>V504       142       1         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       153       1         AIRCRAFT       N504       ENTERED         AIRCRAFT       N504       HANDED         OFF       AIRCRAFT       N504         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED       T         AIRCRAFT       N504       HANDED       T         AIRCRAFT       N504       HANDED       T         AIRCRAFT       N504       HANDED         AIRCRAFT       N5</td> <td>V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       149       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCR</td> <td>V504       142       1         V504       144       1         V504       147       1         V504       149       1         V504       153       1         AIRCRAFT       N504       ENTERED         AIRCRAFT       N504       HANDED         <td< td=""><td>V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED       0FF         AIRCRAFT       N504       HANDED       0FF       3357798050       TO         AIRCRAFT       N504       HANDED       0FF       3357798050       TO       AR-5.         AIRCRAFT       N504       HANDED       0FF       AT       .0000010000       IN       ER-S.         AIRCRAFT       N504       HANDED       0FF       AT       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       .3382274386       TO       APROTON         AIRGRAFT       N504       CHANGED       PHASE       .3382274386       TO       APROTON         AIRGRAFT</td></td<></td>	V504       142       1         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       153       1         AIRCRAFT       N504       ENTERED         AIRCRAFT       N504       HANDED         OFF       AIRCRAFT       N504         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED       T         AIRCRAFT       N504       HANDED       T         AIRCRAFT       N504       HANDED       T         AIRCRAFT       N504       HANDED         AIRCRAFT       N5	V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       149       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCR	V504       142       1         V504       144       1         V504       147       1         V504       149       1         V504       153       1         AIRCRAFT       N504       ENTERED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED <td< td=""><td>V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED       0FF         AIRCRAFT       N504       HANDED       0FF       3357798050       TO         AIRCRAFT       N504       HANDED       0FF       3357798050       TO       AR-5.         AIRCRAFT       N504       HANDED       0FF       AT       .0000010000       IN       ER-S.         AIRCRAFT       N504       HANDED       0FF       AT       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       .3382274386       TO       APROTON         AIRGRAFT       N504       CHANGED       PHASE       .3382274386       TO       APROTON         AIRGRAFT</td></td<>	V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED       0FF         AIRCRAFT       N504       HANDED       0FF       3357798050       TO         AIRCRAFT       N504       HANDED       0FF       3357798050       TO       AR-5.         AIRCRAFT       N504       HANDED       0FF       AT       .0000010000       IN       ER-S.         AIRCRAFT       N504       HANDED       0FF       AT       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       .3382274386       TO       APROTON         AIRGRAFT       N504       CHANGED       PHASE       .3382274386       TO       APROTON         AIRGRAFT
4504       142       1         4504       143       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         7504       153       1         AIRCRAFT       N504       HANDED       OFF         AIRCRAFT       N504       HANDED       OFF       AI         AIRCRAFT       N504       HANDED       OFF       AI      33857798050       TO       AR-S.         AIRCRAFT       N504       HANDED       OFF       AI       .000001000       IN       R-S.         AIRCRAFT       N504       HANGED       PHASE       AI       .000001000       IN       R-S.         AIRCRAFT       N504       CHANGED       PHASE       AI       .3382274386       IO       ARTVAL         AIRCRAFT       N504       CHANGED	4504       142       1         4504       144       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       153       1         AIRCRAFT       N504       HANDED       OFF         AIRCRAFT       N504       HANDED       OFF       3357798050       TO         AIRCRAFT       N504       HANDED       OFF       AI       -0000010000       IN       R-S.         AIRCRAFT       N504       HANDED       OFF       AI       -33857798050       TO       AR-S.         AIRCRAFT       N504       HANDED       OFF       AI       -338274386       TO       AR-S.         AIRCRAFT       N504       CHANGED       PHASE       -33382274386       TO       AR-S.         AIRCRAFT       N504       CHANGED       PHASE       -33382274386       TO	4504       142       1         4504       143       1         4504       144       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       1400       0         4504       1400       0         410       1       .000001000         153       1       .3357798050         41004       0       .33577260714       10         AIRCRAFT       N504       HANGED       .7371260714       10         AIRCRAFT       N504       HANGED       .3382274386       10         AIRCRAFT       N504       CHANGED       PHASE       .3338274386       10         AIRCRAFT       N504       CHANGED       PHASE       AI       .33382274386       1	7504       142       1         7504       143       1         7504       144       1         7504       147       1         7504       147       1         7504       147       1         7504       147       1         7504       147       1         7504       147       1         7504       149       1         7504       153       1         7504       153       1         7504       153       1         7504       153       1         7504       153       000001000         149       1	4504       142       1         4504       143       1         4504       144       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       153       1         4504       153       1         4504       153       1         4504       153       1         4504       400ED       0FF         4504       4ANDED       0FF         4504       4ANDED       0FF         4504       4ANDED       0FF         41RGRAFT       N504       4ANDED         41RGRAFT       N504       4ANDED         41RGRAFT       1000       0FF         41RGRAFT       1004       100001000         41RGRAFT       1004       100001000         41RGRAFT       1004       100001000         41RGRAFT       1004       100000000 </td
V504       128       3         V504       142       1         V504       142       1         V504       143       1         V504       144       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED         V504       153       0000010000         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504	V504       128       3         V504       142       1         V504       142       1         V504       142       1         V504       144       1         V504       147       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       41         V504       153       0000010000         AIRCRAFT       N504       41         N504       153       0000010000         AIRCRAFT       N504       41         AIRCRAFT       N504       41 <t< td=""><td>V504       128       3         V504       142       1         V504       142       1         V504       142       1         V504       144       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED       057         V504       153       1      </td><td>V504       128       3         V504       142       1         V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       1400       060010000       0 R-3.         V504       153       1       .000010000       0 R-3.         V504       153       1       .5666959303       0 Ar-5.         AIRCRAFT       N504       HANDED       0 F       7.371260714       10 Ar-5.         AIRCRAFT       N504       HANGED       PHASE       7.333274386       0 ARVAL       RANSITIO         AIRCRAFT       N504       CHANGED       PHASE       3332274386       0 APPROACH.         AIRCRAFT       N504       CHANGED       PHASE       1       .3333274386</td><td>V504       128       3         V504       142       1         V504       142       1         V504       143       1         V504       143       1         V504       145       1         V504       147       1         V504       149       1         V504       153       1         AIRCRAFT<n504< td="">       N504       4ANDED         AIRCRAFT<n504< td="">       14       .3357798050       10         AIRCRAFT<n504< td="">       12       .3357798050       10         AIRCRAFT<n504< td="">       HANDED       0FF AT       .335277386       10         AIRCRAFT<n504< td="">       CHANGED       PHASE       .33382774366       10       ARVAL         AIRCRAFT<n504< td="">       CHANGED       PHASE       .33382274386       10       ANDTNGCH</n504<></n504<></n504<></n504<></n504<></n504<></td></t<>	V504       128       3         V504       142       1         V504       142       1         V504       142       1         V504       144       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED       057         V504       153       1	V504       128       3         V504       142       1         V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       1400       060010000       0 R-3.         V504       153       1       .000010000       0 R-3.         V504       153       1       .5666959303       0 Ar-5.         AIRCRAFT       N504       HANDED       0 F       7.371260714       10 Ar-5.         AIRCRAFT       N504       HANGED       PHASE       7.333274386       0 ARVAL       RANSITIO         AIRCRAFT       N504       CHANGED       PHASE       3332274386       0 APPROACH.         AIRCRAFT       N504       CHANGED       PHASE       1       .3333274386	V504       128       3         V504       142       1         V504       142       1         V504       143       1         V504       143       1         V504       145       1         V504       147       1         V504       149       1         V504       153       1         AIRCRAFT <n504< td="">       N504       4ANDED         AIRCRAFT<n504< td="">       14       .3357798050       10         AIRCRAFT<n504< td="">       12       .3357798050       10         AIRCRAFT<n504< td="">       HANDED       0FF AT       .335277386       10         AIRCRAFT<n504< td="">       CHANGED       PHASE       .33382774366       10       ARVAL         AIRCRAFT<n504< td="">       CHANGED       PHASE       .33382274386       10       ANDTNGCH</n504<></n504<></n504<></n504<></n504<></n504<>
V504       128       3         V504       142       1         V504       142       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         AIRCRAFT       N504       HANDED       0FF AT         V504       153       1       .0000010000       IN ER-S.         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       TO SFO         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       TO SFO       .         AIRCRAFT       N504       CHANGED       PHASE       .7371260714       TO SFO       .         AIRCRAFT       N504       CHANGED       PHASE       .3382274386       TO ARPOING.         AIRCRAFT       N504       CHANGED       PHASE       .3382274386       TO ARPING.    <	V504       128       3         V504       142       1         V504       142       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       153       1         AIRCRAFT       N504       HANDED         0566959303       70       AR-5.         AIRCRAFT       N504       HANDED       057         AIRCRAFT       N504       HANDED       5666959303       70         AIRCRAFT       N504       HANDED       656       7371260714       70         AIRCRAFT       N504       CHANGED       7371260714       70       7371260714         AIRCRAFT       N504       CHANGED       7382274386       10       737124       70         AIRCRAFT       N504       CHANGED       PHASE       3382274386       10       ARTIVAL	V504       128       3         V504       142       1         V504       142       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIR	N504       128       3         N504       142       1         N504       142       1         N504       143       1         N504       145       1         N504       145       1         N504       147       1         N504       14000000000000000000000000000000000000	N504       128       3         N504       142       1         N504       142       1         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       153       1         AIRCRAFT <n504< td="">       N504       ANDED         V504       153       1         AIRCRAFT<n504< td="">       ANDED       0FF         AS       .0000010000       IN         ER-S.       .3357798050       0         AIRCRAFT<n504< td="">       HANDED       0FF         AIRCRAFT<n504< td="">       HANDED       0FF         AIRCRAFT<n504< td="">       CHANGED       PHAS         AIRCRAFT<n504< td="">       CHANGED</n504<></n504<></n504<></n504<></n504<></n504<></n504<></n504<></n504<></n504<></n504<>
V504       128       3         V504       142       1         V504       143       1         V504       145       1         V504       145       1         V504       145       1         V504       149       1         V504       149       1         V504       149       1         V504       149       1         AIRCRAFT       N504       HANDED       0FF AT         V504       153       1       ARCRAFT       N504         AIRCRAFT       N504       HANDED       0FF AT       .3357798050       TO AR-S.         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       TO SFO       .         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       TO SFO       .         AIRCRAFT       N504       CHANGED       PHASE       .7371260714       TO SFO       .         AIRCRAFT       N504       CHANGED       PHASE       .3382274386       TO ARTVAL       RANSITIO         AIRCRAFT       N504       CHANGED       PHASE       .3382274386       TO ARPROACH. <td>V504       128       3         V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED       0FF AT         V504       153       1       33557798050       TO         AIRCRAFT       N504       HANDED       0FF AT       .33557798050       TO       AR-5.         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       .3382274386</td> <td>V504       128       3         V504       142       1         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         AIRCRAFT       N504       HANDED       0FF AT         AIRCRAFT       N504       HANDED       0FF AT       .3357798050         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       10         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       10       AR-5.         AIRCRAFT       N504       CHANGED       PHASE       .7371260714       10       AR-17VAL         AIRC</td> <td>V504       128       3         V504       143       1         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       153       1         AIRCRAFT       N504       ANDED       0FF AT         V504       153       1       .3357798050       TO         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       TO         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       AR-5.         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       AR-5.         AIRCRAFT       N504       CHANGED       PHASE       AT       .33382274386</td> <td>V504       128       3         V504       142       1         V504       143       1         V504       144       1         V504       145       1         V504       147       1         V504       149       1         V504       1490       00001000         12       3857798050       70         AIRCRAFT       N504       HANDED         055       5666959303       70         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CH</td>	V504       128       3         V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED       0FF AT         V504       153       1       33557798050       TO         AIRCRAFT       N504       HANDED       0FF AT       .33557798050       TO       AR-5.         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       TO       SFO         AIRCRAFT       N504       CHANGED       PHASE       .3382274386	V504       128       3         V504       142       1         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         AIRCRAFT       N504       HANDED       0FF AT         AIRCRAFT       N504       HANDED       0FF AT       .3357798050         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       10         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       10       AR-5.         AIRCRAFT       N504       CHANGED       PHASE       .7371260714       10       AR-17VAL         AIRC	V504       128       3         V504       143       1         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       153       1         AIRCRAFT       N504       ANDED       0FF AT         V504       153       1       .3357798050       TO         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       TO         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       AR-5.         AIRCRAFT       N504       CHANGED       PHASE       AT       .7371260714       TO       AR-5.         AIRCRAFT       N504       CHANGED       PHASE       AT       .33382274386	V504       128       3         V504       142       1         V504       143       1         V504       144       1         V504       145       1         V504       147       1         V504       149       1         V504       1490       00001000         12       3857798050       70         AIRCRAFT       N504       HANDED         055       5666959303       70         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CH
W504       127       3         W504       128       3         W504       142       1         W504       143       1         W504       143       1         W504       143       1         W504       143       1         W504       145       1         W504       145       1         W504       149       1         W504       149       1         W504       149       1         W504       149       1         W504       153       1         M504       153       100001000         M504       153       10         M504       153       10         M504       153       10         M504       153       10         M504       140       1         M504       140       1         M1070000       10       10	V504       127       3         V504       128       3         V504       142       1         V504       143       1         V504       143       1         V504       143       1         V504       143       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       153       1         V504       153       1         N504       153       100001000         AIRCRAFT       N504       1         AIRCRAFT       N50	W504       127       3         W504       128       3         W504       142       1         W504       142       1         W504       143       1         W504       143       1         W504       143       1         W504       145       1         W504       145       1         W504       149       1         W504       149       1         W504       149       1         W504       149       1         M504       153       1         M504       140050       0FF AT         M504       153       1000010000         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED	V504       127       3         V504       128       3         V504       142       1         V504       143       1         V504       143       1         V504       145       1         V504       147       1         V504       153       1         AIRCRAFT       N504       HANDED         V504       153       10         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED <td>V504       127       3         V504       128       3         V504       128       3         V504       142       1         V504       143       1         V504       143       1         V504       143       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       153       1         AIRCRAFT       N504       HANDED OFF AT         V504       153       1       37367798050         AIRCRAFT       N504       HANDED OFF AT       7371260714       10         AIRCRAFT       N504       HANDED OFF AT       7371260714       10       ARVIVAL         AIRCRAFT       N504       CHANGED PHASE AT       .0000010000       10       07       ARVIVAL         AIRCRAFT       N504       CHANGED PHASE AT</td>	V504       127       3         V504       128       3         V504       128       3         V504       142       1         V504       143       1         V504       143       1         V504       143       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       153       1         AIRCRAFT       N504       HANDED OFF AT         V504       153       1       37367798050         AIRCRAFT       N504       HANDED OFF AT       7371260714       10         AIRCRAFT       N504       HANDED OFF AT       7371260714       10       ARVIVAL         AIRCRAFT       N504       CHANGED PHASE AT       .0000010000       10       07       ARVIVAL         AIRCRAFT       N504       CHANGED PHASE AT
V504       127       3         V504       128       3         V504       142       1         V504       142       1         V504       143       1         V504       147       1         V504       153       1         AIRCRAFT       N504       HANDED       0FF AT         V504       153       1       .33657798050       TO AR-5.         AIRCRAFT       N504       HANDED<0FF AT	V504       127       3         V504       128       3         V504       142       1         V504       142       1         V504       143       1         V504       147       1         V504       147       1         V504       147       1         V504       145       1         V504       145       1         V504       145       1         V504       145       1         V504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO ARFIVAL TRANSITIC         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARFIVAL TRANSITIC         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARFIVAL TRANSITIC	V504       127       3         V504       128       3         V504       142       1         V504       142       1         V504       143       1         V504       147       1         V504       153       1         AIRCRAFT       N504       ANDED       0FF AT         V504       153       1       .7371260714       10         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       10         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       10       AR-5.         AIRCRAFT       N504       CHANGED       PHASE       AT       .00000010000       10       7771260714       10         AIRCRAFT       N504       CHANG	V504       127       3         V504       128       3         V504       142       1         V504       142       1         V504       143       1         V504       143       1         V504       144       1         V504       145       1         V504       147       1         V504       153       1         V504       153       1         V504       153       1         V504       153       100001000         N504       HANDED OFF AT       .73357798050         AIRCRAFT N504       HANDED OFF AT       .7351260714       10         AIRCRAFT N504       HANDED OFF AT       .338274386       10         AIRCRAFT N504       CHANGED PHASE AT       .3382274386       10         AIRCRAFT N504       CHANGED PHASE AT       .8124377174       10	V504       127       3         V504       128       3         V504       142       1         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       153       000010000         N504       153       048-5.         AIRCRAFT       N504       1400E0         AIRCRAFT       N504       1400E0         AIRCRAFT       N504       1       .7371260714         AIRCRAFT       N504       HANDED       07       .7371260714         AIRCRAFT       N504       CHANGED       PHASE       .7371260714       10         AIRCRAFT       N504       CHANGED       PHASE       .7377
V504       127       3         V504       128       3         V504       128       3         V504       142       1         V504       142       1         V504       142       1         V504       147       1         V504       153       1         AIRCRAFT       N504       HANDED       0FF AT         V504       153       100001000       IN       ER-S.         AIRCRAFT       N504       HANDED       0FF AT       7371260714       10       SF056059303       10       AR-S.         AIRCRAFT       N504       CHANGED       PHASE       AT       .0000010000       10       AR-S.         AIRCRAFT       N504       CHANGED       PHASE       AT       <	V504       127       3         V504       128       3         V504       128       3         V504       142       1         V504       142       1         V504       145       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       147       1         V504       145       1         010       149       1         149       1       .0000010000         149       1       .0000010000         149       1       .0000010000         149       1       .0000010000         149       1       .0000010000         149       1       .0000010000         153       1       .0000010000         153       1       .000001000         153       1       .000001000         153       1       .000001000         153       1       .000001000       .000001000         153       1       .0000001000       .000001000       .000000000	V504       127       3         V504       128       3         V504       128       3         V504       142       1         V504       142       1         V504       145       1         V504       147       1         V504       153       1         V504       153       1         V504       153       1         V504       153       100001000         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED	V504       127       3         V504       127       3         V504       128       3         V504       142       1         V504       142       1         V504       145       1         V504       145       1         V504       147       1         V504       149       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANEE         AIRCRAFT	4504       127       3         4504       128       3         4504       128       3         4504       142       1         4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       HANGED PHASE AT       .7371260714 TO SFO .         AIRCRAFT N504       HANGED PHASE AT       .3382274386 TO AR-J         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO AR-J
V504       126       3         V504       127       3         V504       128       3         V504       142       1         V504       143       1         V504       143       1         V504       143       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         AIRCRAFT       N504       HANDED         V504       149       1         AIRCRAFT       N504       HANDED         V504       147       1         V504       149       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CH	V504       126       3         V504       127       3         V504       128       3         V504       142       1         V504       143       1         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       149       1         V504       149       1         V504       149       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         V504       149       1         AIRCRAFT N504       HANDED OFF AT       .33357798050 TO AR-5.         V504       153       1       .33357738050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 TO ARPSTAL         AIRCRAFT N504       CHANGED PHASE AT       .33382274386 TO ARPSTAL         AIRCRAFT N504       CHANGED PHASE AT       .33382274386 TO ARPSTAL	V504       126       5         V504       127       3         V504       127       3         V504       142       1         V504       143       1         V504       143       1         V504       143       1         V504       145       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         N504       149       1         AIRCRAFT       N504       HANDED         V504       149       1         AIRCRAFT       N504       HANDED         V504       149       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANGED         AIRCRAFT       N504       HANGED         AIRCRAFT       N504	N504       126       3         V504       127       3         V504       127       3         V504       142       1         V504       143       1         V504       145       1         V504       153       100001000         AIRCRAFT       N504       14         AIRCRAFT       N504       14         AIRCRAFT       N504       1	N504       126       3         V504       127       3         V504       127       3         V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       149       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       ANDED       OFF         V504       153       1       .3357798050       TO         AIRCRAFT       N504       HANDED       OFF       .3357798050       TO         AIRCRAFT       N504       HANDED       OFF       .3336274306       TO       AREIVAL         AIRCRAFT       N504       CHANGED       PHASE       .3336274306       TO       AREIVAL         AIRCRAFT       <
V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       142       1         V504       143       1         V504       143       1         V504       143       1         V504       145       1         V504       149       1         V504       1400ED       066         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED      <	V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       142       1         V504       143       1         V504       143       1         V504       145       1         V504       147       1         V504       145       1         V504       153       1         A504       HANDED OFF AT       .000001000 IN ER-S.         A504       HANDED OFF AT       .3357798050 TO AR-S.         A504       HANDED OFF AT       .7371260714 TO SFO         A1RCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         A1RCRAFT N504       CHANGED PHASE AT       .3332274386 TO AR-S.         A1RCRAFT N504       CHANGED PHASE AT       .3332274386 TO ARPROACH.	V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       142       1         V504       143       1         V504       143       1         V504       143       1         V504       147       1         V504       145       1         V504       147       1         V504       145       1         V504       153       1         AIRCRAFT       N504       HANDED         V504       153       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED	V504       126       3         V504       127       3         V504       127       3         V504       142       1         V504       145       1         V504       147       1         V504       153       1         ASD4       HANDED OFF AT       .0000010000 IN ER-S.         ASD4       HANDED OFF AT       .3357798050 TO AR-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO .         AIRCRAFT N504       HANDED OFF AT       .3332274386 TO APPS.         AIRCRAFT N504       CHANGED PHASE AT       .01000010000 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .01000010000 TO APPS.	V504       126       3         V504       127       3         V504       127       3         V504       142       1         V504       142       1         V504       143       1         V504       143       1         V504       143       1         V504       143       1         V504       145       1         V504       149       3857798050       0         V504       149       .000001000       N ER-S.         AS04       149       .33857798050       0         AS04       140       .33857798050       0         AS04       153       1       .33857798050       0         AS04       1400       0       .33857798050       0       0         AS04       1400       0       .338577380714       0       0       0         AS04       AS04       ANGE0       .
V504       126       3         V504       127       3         V504       127       3         V504       127       1         V504       142       1         V504       142       1         V504       143       1         V504       145       1         V504       147       1         V504       153       1         AIRCRAFT       N504       HANDED         V504       153       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANDED	V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       142       1         V504       142       1         V504       143       1         V504       145       1         V504       153       1         AIRCRAFT N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .338274386 TO ARPS.         AIRCRAFT N504       HANDED OFF AT       .3382274386 TO APPROACH.	V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       142       1         V504       142       1         V504       143       1         V504       145       1         V504       153       1         AIRCRAFT       N504       HANDED         V504       153       100001000         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED	V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       143       1         V504       143       1         V504       143       1         V504       147       1         V504       145       1         V504       147       1         V504       147       1         V504       149       1         V504       140       1         V504       140       1         V504       153       1         AIRCRAFT       N504       HANDED         AIRCR	V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       142       1         V504       143       1         V504       147       1         V504       147       1         V504       149       1         V504       147       1         V504       143       1         V504       143       1         V504       143       1         V504       147       1         V504       143       1         V504       153       1         A504       HANDED OFF AT       .000001000 IN ER-S.         A5666959303 TO AR-S.       .3357798050 TO AR-S.         A1RCRAFT N504       HANDED OFF AT       .7371260714 TO SFO<.
W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       142       1         W504       142       1         W504       143       1         W504       145       1         W504       145       1         W504       147       1         W504       149       1         W504       149       1         W504       149       1         M504       153       1         M504       HANDED       0FF AT         M	W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       142       1         W504       142       1         W504       145       1         W504       147       1         W504       147       1         W504       149       1         W504       149       1         W504       149       1         W504       149       1         M504       153       1         M504       HANDED <off at<="" td="">       .0000010000 IN ER-S.         AIRCRAFT       N504       HANDED<off at<="" td="">       .3357798050 TO AR-S.         AIRCRAFT       N504       HANDED<off at<="" td="">       .7371260714 TO SFO         AIRCRAFT       N504       HANDED<off at<="" td="">       .7371260714 TO SFO         AIRCRAFT       N504       HANDED<off at<="" td="">       .3382274386 TO APPS-S         AIRCRAFT       N504       HANGED<!--</td--><td>N504       126       3         N504       127       3         N504       127       3         N504       142       1         N504       142       1         N504       143       1         N504       145       1         N504       149       1         N504       14000       060001000         AIRCRAFT       N504       100001000         AIRCRAFT       N504       1         N504       15302743805       0         AIRCRAFT       N504       1         AIRCRAFT       N504       143050         AIRCRAFT       N504       10000010000         <td< td=""><td>W504       126       3         W504       127       3         W504       127       3         W504       142       1         W504       142       1         W504       142       1         W504       143       1         W504       145       1         W504       145       1         W504       145       1         W504       147       1         W504       149       1         W504       149       1         M504       153       1         M504       1400ED       0FF         M504       HANDED       0FF         M504       HANDED       0FF         M504       15333370       0         M504       1504       00001000         M504       1504       00001000         M504       1504       10700100         M504       1504       006001000       0</td><td>N504       125       3         N504       127       3         N504       127       3         N504       127       3         N504       127       3         N504       142       1         N504       147       1         N504       1400E0       066         N504       1       .000001000         N504       1       .000001000         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED      &lt;</td></td<></td></off></off></off></off></off>	N504       126       3         N504       127       3         N504       127       3         N504       142       1         N504       142       1         N504       143       1         N504       145       1         N504       149       1         N504       14000       060001000         AIRCRAFT       N504       100001000         AIRCRAFT       N504       1         N504       15302743805       0         AIRCRAFT       N504       1         AIRCRAFT       N504       143050         AIRCRAFT       N504       10000010000 <td< td=""><td>W504       126       3         W504       127       3         W504       127       3         W504       142       1         W504       142       1         W504       142       1         W504       143       1         W504       145       1         W504       145       1         W504       145       1         W504       147       1         W504       149       1         W504       149       1         M504       153       1         M504       1400ED       0FF         M504       HANDED       0FF         M504       HANDED       0FF         M504       15333370       0         M504       1504       00001000         M504       1504       00001000         M504       1504       10700100         M504       1504       006001000       0</td><td>N504       125       3         N504       127       3         N504       127       3         N504       127       3         N504       127       3         N504       142       1         N504       147       1         N504       1400E0       066         N504       1       .000001000         N504       1       .000001000         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED      &lt;</td></td<>	W504       126       3         W504       127       3         W504       127       3         W504       142       1         W504       142       1         W504       142       1         W504       143       1         W504       145       1         W504       145       1         W504       145       1         W504       147       1         W504       149       1         W504       149       1         M504       153       1         M504       1400ED       0FF         M504       HANDED       0FF         M504       HANDED       0FF         M504       15333370       0         M504       1504       00001000         M504       1504       00001000         M504       1504       10700100         M504       1504       006001000       0	N504       125       3         N504       127       3         N504       127       3         N504       127       3         N504       127       3         N504       142       1         N504       147       1         N504       1400E0       066         N504       1       .000001000         N504       1       .000001000         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED      <
N504       125       3         N504       126       3         N504       128       3         N504       128       3         N504       142       1         N504       142       1         N504       143       1         N504       145       1         N504       149       1         N504       14000       060001000         Itckaft       N504       HANDED         AIRCRAFT       N504       HANDED      <	N504       125       3         N504       126       3         N504       128       3         N504       128       3         N504       142       1         N504       142       1         N504       143       1         N504       145       1         N504       147       1         N504       149       1         N504       149       1         N504       149       1         N504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 F0 SF0         AIRCRAFT N504       HANDED OFF AT       .7371260714 F0 SF0         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 F0 APROACH.         AIRCRAFT N504       CHANGED PHASE AT       .3382274386 F0 APROACH.	N504       125       3         N504       128       3         N504       128       3         N504       128       3         N504       128       3         N504       142       1         N504       143       1         N504       145       1         N504       145       1         N504       145       1         N504       145       1         N504       147       1         N504       149       1         N504       1400ED       0FF AT         N504       15360714       10 8R-5.         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED	N504       125       3         N504       126       3         N504       128       3         N504       142       1         N504       143       1         N504       143       1         N504       143       1         N504       143       1         N504       145       1         N504       153       1         AIRCRAFT       N504       NFERD         AIRCRAFT       N504       1         AIRCRAFT	N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       142       1         N504       142       1         N504       145       1         N504       145       1         N504       145       1         N504       147       1         N504       149       1         N504       149       1         N504       149       1         N504       1400ED       0F         A504       153       1       2856595303         A504       153       1       7371260714       10         A1RCRAFT       N504       HANDED       0FF       7336274386       10         A1RCRAFT       N504       CHANGED       1       33362274386       10
N504       125       3         N504       126       3         V504       127       3         V504       127       3         V504       143       1         V504       143       1         V504       143       1         V504       145       1         V504       147       1         V504       147       1         V504       149       1         V504       149       1         V504       149       1         N504       149       1         N504       149       1         N504       149       1         N504       153       1         AIRCRAFT <n504< td="">       N504       NADED         AIRCRAFT<n504< td="">       14       000001000         AIRCRAFT<n504< td="">       1       .7371260714       10         AIRCRAFT<n504< td="">       HANDED       0FF       1       .7371260714       10         AIRCRAFT<n504< td="">       CHANGED       PHASE       1       .3382274386       10       APO&lt;.</n504<></n504<></n504<></n504<></n504<>	N504       125       3         N504       126       3         V504       127       3         V504       127       3         V504       142       1         N504       143       1         N504       143       1         N504       145       1         N504       147       1         N504       149       1         N504       140000000       10         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED <t< td=""><td>N504       125       3         N504       126       3         N504       127       3         N504       128       3         N504       143       1         N504       143       1         N504       143       1         N504       144       1         N504       145       1         N504       149       1         N504       149       1         N504       153       100001000         N504       153       1         N504       1571260714       10         N504       1430E0       0660         N504       1430E0       070001000         N504       1430E0       1       7371260714         NER</td><td>N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       143       1         N504       143       1         N504       145       1         N504       145       1         N504       147       1         N504       149       1         N504       149       1         N504       140ED       067         AIRCRAFT       N504       140DED         AIRCRAFT       N504       17.174         AIRCRAFT       N504       143NGED         AIRCRAFT       N504       143NGED         AIRCRAFT       N504       143NGED         AIRCRAFT       N504       043NGED         &lt;</td><td>N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       128       3         N504       142       1         N504       145       1         N504       147       1         N504       1490ED       057 A1       000001000 IN ER-S.         AIRCRAFT       N504       HANDED       057 A1       0566959303 TO AR-S.         AIRCRAFT       N504       HANDED       057 A1       05666959303 TO AR-S.         AIRCRAFT       N504       HANDED       057 A1       05666959303 TO AR-S.         AIRCRAFT       N504       H</td></t<>	N504       125       3         N504       126       3         N504       127       3         N504       128       3         N504       143       1         N504       143       1         N504       143       1         N504       144       1         N504       145       1         N504       149       1         N504       149       1         N504       153       100001000         N504       153       1         N504       1571260714       10         N504       1430E0       0660         N504       1430E0       070001000         N504       1430E0       1       7371260714         NER	N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       143       1         N504       143       1         N504       145       1         N504       145       1         N504       147       1         N504       149       1         N504       149       1         N504       140ED       067         AIRCRAFT       N504       140DED         AIRCRAFT       N504       17.174         AIRCRAFT       N504       143NGED         AIRCRAFT       N504       143NGED         AIRCRAFT       N504       143NGED         AIRCRAFT       N504       043NGED         <	N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       128       3         N504       142       1         N504       145       1         N504       147       1         N504       1490ED       057 A1       000001000 IN ER-S.         AIRCRAFT       N504       HANDED       057 A1       0566959303 TO AR-S.         AIRCRAFT       N504       HANDED       057 A1       05666959303 TO AR-S.         AIRCRAFT       N504       HANDED       057 A1       05666959303 TO AR-S.         AIRCRAFT       N504       H
N504       125       3         N504       126       3         N504       127       3         N504       142       1         N504       142       1         N504       142       1         N504       143       1         N504       145       1         N504       145       1         N504       147       1         N504       145       1         N504       145       1         N504       153       1         N504       1490ED       0FF         N504       153       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED <t< td=""><td>N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       142       1         N504       142       1         N504       143       1         N504       145       1         N504       145       1         N504       147       1         N504       145       1         N504       153       000001000         N666       04       167         AIRCRAFT       N504       04         AIRCRAFT       N504       04<td>N504       125       3         N504       126       3         N504       128       3         N504       142       1         N504       142       1         N504       142       1         N504       145       1         N504       147       1         N504       145       1         N504       147       1         N504       145       1         N504       145       1         N504       149       1         N504       149       1         N504       149       000001000       1N ER-S.         AIRCRAFT       N504       HANDED OFF AT       .338574365       10 AR-S.         AIRCRAFT       N504       HANDED OFF AT       .3771260714       10 SF0.         AIRCRAFT       N504       HANDED OFF AT       .3382274366       10 APROACH.         AIRCRAFT       N504       CHANGED P</td><td>N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       142       1         N504       142       1         N504       147       1         N504       149       1         N504       ANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .338274365 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO SFO.         AIRCRAFT N504       CHANGED PHASE AT       .3382274366 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.</td><td>N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       128       3         N504       142       1         N504       143       1         N504       145       1         N504       147       1         N504       1480ED       0FF AT       .3357798050 TO AR-S.         AIRCRAFT       N504       HANDED       0FF AT       .7371260714 TO SFO.         AIRCRAFT       N504       HANDED</td></td></t<>	N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       142       1         N504       142       1         N504       143       1         N504       145       1         N504       145       1         N504       147       1         N504       145       1         N504       153       000001000         N666       04       167         AIRCRAFT       N504       04         AIRCRAFT       N504       04 <td>N504       125       3         N504       126       3         N504       128       3         N504       142       1         N504       142       1         N504       142       1         N504       145       1         N504       147       1         N504       145       1         N504       147       1         N504       145       1         N504       145       1         N504       149       1         N504       149       1         N504       149       000001000       1N ER-S.         AIRCRAFT       N504       HANDED OFF AT       .338574365       10 AR-S.         AIRCRAFT       N504       HANDED OFF AT       .3771260714       10 SF0.         AIRCRAFT       N504       HANDED OFF AT       .3382274366       10 APROACH.         AIRCRAFT       N504       CHANGED P</td> <td>N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       142       1         N504       142       1         N504       147       1         N504       149       1         N504       ANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .338274365 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO SFO.         AIRCRAFT N504       CHANGED PHASE AT       .3382274366 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.</td> <td>N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       128       3         N504       142       1         N504       143       1         N504       145       1         N504       147       1         N504       1480ED       0FF AT       .3357798050 TO AR-S.         AIRCRAFT       N504       HANDED       0FF AT       .7371260714 TO SFO.         AIRCRAFT       N504       HANDED</td>	N504       125       3         N504       126       3         N504       128       3         N504       142       1         N504       142       1         N504       142       1         N504       145       1         N504       147       1         N504       145       1         N504       147       1         N504       145       1         N504       145       1         N504       149       1         N504       149       1         N504       149       000001000       1N ER-S.         AIRCRAFT       N504       HANDED OFF AT       .338574365       10 AR-S.         AIRCRAFT       N504       HANDED OFF AT       .3771260714       10 SF0.         AIRCRAFT       N504       HANDED OFF AT       .3382274366       10 APROACH.         AIRCRAFT       N504       CHANGED P	N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       142       1         N504       142       1         N504       147       1         N504       149       1         N504       ANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .338274365 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO SFO.         AIRCRAFT N504       CHANGED PHASE AT       .3382274366 TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .8124377174 TO LANDING.	N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       128       3         N504       142       1         N504       143       1         N504       145       1         N504       147       1         N504       1480ED       0FF AT       .3357798050 TO AR-S.         AIRCRAFT       N504       HANDED       0FF AT       .7371260714 TO SFO.         AIRCRAFT       N504       HANDED
N504       125       3         N504       126       3         N504       126       3         N504       127       3         N504       128       3         N504       142       1         N504       142       1         N504       145       1         N504       147       1         N504       153       1         AIRCRAFT       N504       HANDED       0FF AT         N504       153       1       .3385774386 TO AR-3.         AIRCRAFT       N504       HANDED       0FF AT       .3771260714 TO SFO         AIRCRAFT       N504       CHANGED       PHASE       .3382274386 TO AR-3.         AIRCRAFT       N504       CHANGED       PHASE       .3382274386 TO AR-3.         AIRCRAFT       N504       CHANGED       PHASE       .338227	N504       125       3         N504       126       3         N504       126       3         N504       127       3         N504       128       3         N504       142       1         N504       143       1         N504       145       1         N504       147       1         N504       145       1         N504       145       1         N504       153       1         N504       153377980100100       10         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED       1         AIRCRAFT	N504       125       3         N504       126       3         N504       126       3         N504       128       3         N504       142       1         N504       142       1         N504       143       1         N504       147       1         N504       153       1         N504       153       1         N504       153       1         AIRCRAFT       N504       1000001000         I       .0000010000       1         N504       153       .0000010000         AIRCRAFT       N504       .0000010000         AIRCRAFT       N504       .0000010000         AIRCRAFT       N504       .0400000000000 <tr< td=""><td>N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       128       3         N504       143       1         N504       143       1         N504       144       1         N504       147       1         N504       HANDED OFF AT       .3357798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .338274386 TO AR-5.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO 0.00010000 TO 0.087.         AIRCRAFT N504       CHANGED PHASE AT       .3332274386 TO AR-5.         AIRCRAFT N504       CHANGED PHASE AT       .3332274386 TO APPROACH.</td><td>N504       125       3         N504       126       3         N504       126       3         N504       127       3         N504       128       3         N504       128       3         N504       128       3         N504       142       1         N504       143       1         N504       145       1         N504       147       1         N504       147       1         N504       147       1         N504       147       1         N504       153       1         AIRCRAFT       N504       HANDED<off< td="">       AT         N504       153       1      </off<></td></tr<>	N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       128       3         N504       143       1         N504       143       1         N504       144       1         N504       147       1         N504       HANDED OFF AT       .3357798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .338274386 TO AR-5.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO 0.00010000 TO 0.087.         AIRCRAFT N504       CHANGED PHASE AT       .3332274386 TO AR-5.         AIRCRAFT N504       CHANGED PHASE AT       .3332274386 TO APPROACH.	N504       125       3         N504       126       3         N504       126       3         N504       127       3         N504       128       3         N504       128       3         N504       128       3         N504       142       1         N504       143       1         N504       145       1         N504       147       1         N504       147       1         N504       147       1         N504       147       1         N504       153       1         AIRCRAFT       N504       HANDED <off< td="">       AT         N504       153       1      </off<>
W504       125       3         W504       126       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       143       1         W504       147       1         W504       149       1         M504       149       1         M504       1490ED       0FF AT         AIRCRAFT       N504       HANDED       0FF AT         AIRCRAFT       N504       CHANGED       PHASE	W504       125       3         W504       126       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       147       1         W504       153       1         AIRCRAFT       N504       HANDED         ØF       1       .0000010000         I       17       .55665959303       TO         AIRCRAFT       N504       HANDED       OFF       1         M504       153       1       .338574366       TO         AIRCRAFT       N504       CHANGED       PHASE       AI       .338274366       TO         AIRCRAFT       N504       CHANGED <t< td=""><td>N504       125       3         N504       126       3         N504       126       3         N504       127       3         N504       127       3         N504       127       3         N504       143       1         N504       145       1         N504       147       1         N504       149       1         N504       149       1         N504       14MDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .335779360714       TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .3332274386 IO APPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .3332274386 IO APPROACH.</td><td>N504       125       3         N504       126       3         V504       126       3         V504       127       3         V504       128       3         V504       127       3         V504       127       1         V504       143       1         V504       147       1         AIRCRAFT<n504< td="">       HANDED       0F AT         AS04       153       1         AIRCRAFT<n504< td="">       HANDED       0F AT         AS04       153       1         AIRCRAFT<n504< td="">       HANDED       0F AT         AS04       153       1         AIRCRAFT<n504< td="">       HANDED       0F AT         AIRCRAFT<n504< td="">       CHANGED       AT         AIRCRAFT<n504< td="">       CHANGED       AT</n504<></n504<></n504<></n504<></n504<></n504<></n504<></n504<></n504<></td><td>W504       125       3         W504       126       3         W504       127       3         W504       142       1         W504       143       1         W504       145       1         W504       153       1         M504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 T0 SFO.         AIRCRAFT N504       HANDED OFF AT       .7371260714 T0 SFO.         AIRCRAFT N504       HANDED OFF AT       .7371260714 T0 SFO.         AIRCRAFT N504       HANDED OFF AT       .33827798050 T0 AR-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 T0 SFO.         AIRCRAFT N504       HANDED OFF AT       .338277436 T0 AR-S.         AIRCRAFT N504       HANDED D</td></t<>	N504       125       3         N504       126       3         N504       126       3         N504       127       3         N504       127       3         N504       127       3         N504       143       1         N504       145       1         N504       147       1         N504       149       1         N504       149       1         N504       14MDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .335779360714       TO AR-S.         AIRCRAFT N504       CHANGED PHASE AT       .3332274386 IO APPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .3332274386 IO APPROACH.	N504       125       3         N504       126       3         V504       126       3         V504       127       3         V504       128       3         V504       127       3         V504       127       1         V504       143       1         V504       147       1         AIRCRAFT <n504< td="">       HANDED       0F AT         AS04       153       1         AIRCRAFT<n504< td="">       HANDED       0F AT         AS04       153       1         AIRCRAFT<n504< td="">       HANDED       0F AT         AS04       153       1         AIRCRAFT<n504< td="">       HANDED       0F AT         AIRCRAFT<n504< td="">       CHANGED       AT         AIRCRAFT<n504< td="">       CHANGED       AT</n504<></n504<></n504<></n504<></n504<></n504<></n504<></n504<></n504<>	W504       125       3         W504       126       3         W504       127       3         W504       142       1         W504       143       1         W504       145       1         W504       153       1         M504       HANDED OFF AT       .0000010000 IN ER-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 T0 SFO.         AIRCRAFT N504       HANDED OFF AT       .7371260714 T0 SFO.         AIRCRAFT N504       HANDED OFF AT       .7371260714 T0 SFO.         AIRCRAFT N504       HANDED OFF AT       .33827798050 T0 AR-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 T0 SFO.         AIRCRAFT N504       HANDED OFF AT       .338277436 T0 AR-S.         AIRCRAFT N504       HANDED D
W504       124       3         W504       125       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       127       3         W504       143       1         W504       147       1         W504       153       1         AIRCRAFT <n504< td="">       HANDED OFF AT       .3357793050 TO AR-5.         AIRCRAFT<n504< td="">       HANDED OFF AT       .3771260714<to sfo<="" td="">         AIRCRAFT<n504< td="">       HANDED OFF AT       .3332274386 TO APPROACH.         AIRCRAFT<n504< td="">       CHANGED PHASE AT       .3332274386 TO APPROACH.         AIRCRAFT<n504< td="">       CHANGED PHASE AT       .3332274386 TO APPROACH.</n504<></n504<></n504<></to></n504<></n504<>	W504       124       3         W504       125       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       127       3         W504       143       1         W504       147       1         W504       149       1         M504       1400E0       0FF AI         M504       HANDED       0FF AI         M504       CHANGED       1         M504       CHANGED       1<	N504       124       3         N504       125       3         N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       127       3         N504       142       1         N504       147       1         N504       149       1         N504       149       1         N504       149       1         N504       149       1         N504       153       1         AIRCRAFT       N504       HANDED OFF         AIRCRAFT       N504       HANDED OFF         AIRCRAFT       N504       HANDED OFF         AIRCRAFT       N504       HANDED OFF       1	N504       124       3         N504       125       3         N504       126       3         N504       127       3         N504       127       3         N504       127       3         N504       127       3         N504       142       1         N504       142       1         N504       147       1         N504       149       1         N504       153       1         AIRCRAFT       N504       HANDED       0FF AT         N504       153       1       .33657798050       TO         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       TO SFO         AIRCRAFT       N504       HANDED       0FF AT       .7371260714       TO SFO         AIRCRAFT       N504       CHANGED       PHASE       .7371260714       TO SFO         AIRCRAFT       N504	N504       124       3         N504       125       3         N504       127       3         N504       142       1         N504       142       1         N504       145       1         N504       147       1         N504       149       1         N504       149       1         N504       14000       066959303       0         AIRCRAFT       N504       HANDED       067         AIRCRAFT       N504       HANDED       067       3357798050         AIRCRAFT       N504       HANDED       067       338274386         AIRCRAFT       N504       HANDED       067       3382274386         AIRCRAFT       N504       HANGED       HANG
W504       124       3         W504       125       3         W504       127       3         W504       142       1         W504       143       1         W504       147       1         W504       147       1         W504       147       1         W504       149       1         W504       149       1         W504       149       1         W504       145       1         W504       149       1         W504       149       1         W504       149       1         M504       14090       060001000       10         AIRCRAFT       W504       HANDED       0FF AI       7371260714         AIRCRAFT       W504       HANGED       7333274386       10       ARTVAL         AIRCRAFT       W504       HANGED       PHASE       73332274386       10       ARTVAL         AIRCRAFT       W504 </td <td>W504       124       3         W504       125       3         W504       127       3         W504       142       1         W504       143       1         W504       147       1         W504       153       1         M504       153       1         M504       1000001000       10         A1RCRAFT       N504       HANDED         A566595303       10       3857798059         A1RCRAFT       N504       HANDED         A1RCRAFT       N504       HANDED         A1RCRAFT       N504       HANDED         A1RCRAFT       N504       HANDED         A1RCRAFT       N504       HANDED</td> <td>N504 124 3 N504 125 3 N504 127 3 N504 127 3 N504 127 3 N504 128 1 N504 128 1 N504 143 1 N504 143 1 N504 147 1 AIRCRAFT N504 HANDED OFF AT .3367798050 0 AR-5. AIRCRAFT N504 HANDED OFF AT .33666959303 TO AR-5. AIRCRAFT N504 HANDED OFF AT .3362774366 TO AR-5. AIRCRAFT N504 HANDED OFF AT .3382274366 TO AR-5. AIRCRAFT N504 CHANGED PHASE AT .3382274366 TO ARPROACH. AIRCRAFT N504 CHANGED PHASE AT .3382274366 TO APPROACH.</td> <td>V504       124       3         N504       125       3         N504       127       3         N504       142       1         N504       143       1         N504       145       1         N504       153       1         N504       14NDED       0FF         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504</td> <td>V504       124       3         V504       125       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       128       3         V504       142       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       147       1         V504       149       1         V504       149       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AI</td>	W504       124       3         W504       125       3         W504       127       3         W504       142       1         W504       143       1         W504       147       1         W504       153       1         M504       153       1         M504       1000001000       10         A1RCRAFT       N504       HANDED         A566595303       10       3857798059         A1RCRAFT       N504       HANDED	N504 124 3 N504 125 3 N504 127 3 N504 127 3 N504 127 3 N504 128 1 N504 128 1 N504 143 1 N504 143 1 N504 147 1 AIRCRAFT N504 HANDED OFF AT .3367798050 0 AR-5. AIRCRAFT N504 HANDED OFF AT .33666959303 TO AR-5. AIRCRAFT N504 HANDED OFF AT .3362774366 TO AR-5. AIRCRAFT N504 HANDED OFF AT .3382274366 TO AR-5. AIRCRAFT N504 CHANGED PHASE AT .3382274366 TO ARPROACH. AIRCRAFT N504 CHANGED PHASE AT .3382274366 TO APPROACH.	V504       124       3         N504       125       3         N504       127       3         N504       142       1         N504       143       1         N504       145       1         N504       153       1         N504       14NDED       0FF         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504	V504       124       3         V504       125       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       128       3         V504       142       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       147       1         V504       149       1         V504       149       1         V504       149       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AI
V504       124       3         V504       125       3         V504       127       3         V504       127       3         V504       127       3         V504       127       3         V504       142       1         V504       142       1         V504       145       1         V504       147       1         V504       149       1         A504       14000       0         A504       149       1         A504       14000       1         A504       14000       1         A504       147       1         A504       14000       1         A5104       1000000000       10	V504       124       3         V504       125       3         V504       127       3         V504       142       1         V504       143       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       147       1         V504       147       1         V504       143       1         V504       147       1         V504       147       1         V504       147       1         V504       149000       060001000         11       7335277303       0         12       3857798050       0         138778451       N504       1         147       1       1       1         1536774360       10       38577436510       0         14504       140050       1       3338227	N504 124 3 N504 125 3 N504 127 3 N504 127 3 N504 128 3 N504 128 1 N504 142 1 N504 143 1 N504 147 1 N504 147 1 N504 147 1 N504 153 1 N505 10 AR-5. N505 10 AR-5. N506 147 10 NR-7. N506 147 10 AR-7. N506 147 10 NR-7. N506 147 10 AR-5. N506 147 10 NR-7. N506 157 10 NR-5. N506 157 10 NR-5. N506 157 10 NR-5. N506 157 10 NR-5. N506 10 AR-5. N506 10 NR-5. N506 10 NR-5. N600 0 NR-7. N600 0 NR-7. N600 0 NR-7. N807 0 NR-7.	V504       124       3         V504       125       3         V504       127       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       142       1         V504       145       1         V504       153       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRC	V504       124       3         V504       125       3         V504       127       3         V504       127       3         V504       127       3         V504       127       3         V504       147       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED       0FF         AIRCRAFT       N504       HANDED       0FF       3357798050         AIRCRAFT       N504       CHANGED       7371260714       10         AIRCRAFT       N504       CHANGED       73382274386       10       ANTAL
W504       124       3         W504       125       3         W504       127       3         W504       127       3         W504       127       3         W504       127       3         W504       128       3         W504       142       1         W504       143       1         W504       145       1         W504       145       1         W504       147       1         W504       147       1         W504       147       1         W504       147       1         W504       153       1         AIRCRAFT       W504       HANDED         M504       153       1         M504       1530370       AR=3.         AIRCRAFT       W504       HANGED         AIRCRAFT       W504       HANGED         AIRCRAFT       W50	W504       124       3         W504       125       3         W504       125       3         W504       127       3         W504       128       3         W504       142       1         W504       143       1         W504       143       1         W504       145       1         W504       145       1         W504       145       1         W504       145       1         W504       147       1         W504       149       1         W504       1490ED       06FF         M504       HANDED       0FF         M504       153       1         M504       153       1000010000         M504       HANDED       0FF         M504       1533       0         M504       HANDED       0FF         M504       15333714	W504       124       3         W504       125       3         W504       125       3         W504       127       3         W504       128       3         W504       128       3         W504       128       3         W504       142       1         W504       143       1         W504       143       1         W504       145       1         W504       147       1         W504       147       1         W504       147       1         W504       145       1         W504       153       1         M504       14N0ED       0FF AI         A1RCRAFT       W504       HANDED         A1RCRAF	V504       124       3         V504       127       3         V504       147       1         V504       149       1         V504       147       1         V504       149       1         V504       153       1         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED         AIRCRAFT       N504       CHANGED       NFA377174     <	W504       124       3         W504       125       3         W504       127       3         W504       127       3         W504       127       3         W504       127       3         W504       142       1         W504       145       1         W504       153       1         W504       153       1         M504       HANDED OFF AT       .3357798050 TO AR-S.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       HANDED OFF AT       .3332274386 TO APPROACH.         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO APPROACH.
W504       124       3         W504       126       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       128       3         W504       127       3         W504       142       1         W504       145       1         W504       147       1         W504       147       1         W504       147       1         W504       147       1         W504       149       1         W504       1400       100000000         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504	W504       124       3         W504       126       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       128       3         W504       142       1         W504       145       1         W504       145       1         W504       147       1         W504       147       1         W504       147       1         W504       149       1         W504       1490ED       0FF AT         ASTORAFT       N504       HANDED       0FF AT	N504       124       3         N504       126       3         N504       126       3         N504       127       3         N504       142       1         N504       145       1         N504       145       1         N504       147       1         N504       147       1         N504       147       1         N504       149       1         N504       149       1         N504       153       1         N504       153       1         N504       153       1         N504       153       1         AIRCRAFT       N504       HANDED OFF AT         N504       153       1000010000         N504       153       0000010000         AIRCRAFT       N504       HANDED OFF AT         AIRCRAFT       N504       HANDED OFF AT         AIRCRAFT       N504       HANDED OFF AT <td>W504       124       3         W504       125       3         W504       126       3         W504       127       3         W504       128       3         W504       142       1         W504       142       1         W504       143       1         W504       145       1         W504       145       1         W504       145       1         W504       147       1         W504       14000       1         W504       14000       1         M504       140000       1         M504       153       1         M504       153       1         M504       153       1000001000         M504       153       0         M504       153       0         M504       153       0         M10000000       10       0</td> <td>N504       124       3         N504       126       3         N504       127       3         N504       127       3         N504       128       3         N504       142       1         N504       142       1         N504       142       1         N504       143       1         N504       145       1         N504       145       1         N504       145       1         N504       145       1         N504       147       1         N504       147       1         N504       147       1         N504       147       1         N504       149       1         N504       1400E0       057         N504       1400E0       057       1         N504       153       1       000001000         AIRCRAFT       N504       HANDED       057         AIRCRAFT       N504       HANDED       057         AIRCRAFT       N504       CHANGED       PHASE         AIRCRAFT       N504       CHANGED       PHASE&lt;</td>	W504       124       3         W504       125       3         W504       126       3         W504       127       3         W504       128       3         W504       142       1         W504       142       1         W504       143       1         W504       145       1         W504       145       1         W504       145       1         W504       147       1         W504       14000       1         W504       14000       1         M504       140000       1         M504       153       1         M504       153       1         M504       153       1000001000         M504       153       0         M504       153       0         M504       153       0         M10000000       10       0	N504       124       3         N504       126       3         N504       127       3         N504       127       3         N504       128       3         N504       142       1         N504       142       1         N504       142       1         N504       143       1         N504       145       1         N504       145       1         N504       145       1         N504       145       1         N504       147       1         N504       147       1         N504       147       1         N504       147       1         N504       149       1         N504       1400E0       057         N504       1400E0       057       1         N504       153       1       000001000         AIRCRAFT       N504       HANDED       057         AIRCRAFT       N504       HANDED       057         AIRCRAFT       N504       CHANGED       PHASE         AIRCRAFT       N504       CHANGED       PHASE<
W504       124       3         W504       126       3         W504       126       3         W504       127       3         W504       142       1         W504       145       1         W504       145       1         W504       147       1         W504       149       1         W504       149       1         M504       HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504, CHANGED PHASE AT       .3338274386 TO AR-5.         AIRCRAFT N504, CHANGED PHASE AT       .33382274386 TO AR-5.         AIRCRAFT N504, CHANGED PHASE AT       .33382274386 TO ARPS.	W504       124       3         W504       126       3         W504       126       3         W504       127       1         W504       145       1         W504       147       1         W504       149       1         M504       HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFD .         AIRCRAFT N504       CHANGED PHASE AT       .3333274386	N504       124       3         N504       126       3         N504       126       3         N504       127       3         N504       142       1         N504       147       1         N504       149       1         AIRCRAFT       N504       HANDED OFF AT         AS04       HANDED OFF AT       7777260714         AIRCRAFT       N504       CHANGED PHASE         AIRCRAFT <td>W504       124       3         W504       126       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       127       3         W504       142       1         W504       143       1         W504       145       1         W504       140000       10001000       10         M504       140000       16       3357798050       10         M504       153       1       .7371260714       10       5666959303       10         M504       HANDED       0FF AT       .7371260714       0       87174       10         AIRCRAFT       N504       HANDED       0FF AT       .3382274366</td> <td>W504       124       3         W504       126       3         W504       126       3         W504       126       3         W504       127       3         W504       128       3         W504       128       3         W504       142       1         W504       142       1         W504       143       1         W504       145       1         W504       145       1         W504       147       1         W504       147       1         W504       149       1         W504       1400E0       0FF AT         W504       HANDED       0FF AT         M504       HANDED       0FF AT         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANGED         AIRCRAFT       N504       CHANGED       PHASE</td>	W504       124       3         W504       126       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       127       3         W504       142       1         W504       143       1         W504       145       1         W504       140000       10001000       10         M504       140000       16       3357798050       10         M504       153       1       .7371260714       10       5666959303       10         M504       HANDED       0FF AT       .7371260714       0       87174       10         AIRCRAFT       N504       HANDED       0FF AT       .3382274366	W504       124       3         W504       126       3         W504       126       3         W504       126       3         W504       127       3         W504       128       3         W504       128       3         W504       142       1         W504       142       1         W504       143       1         W504       145       1         W504       145       1         W504       147       1         W504       147       1         W504       149       1         W504       1400E0       0FF AT         W504       HANDED       0FF AT         M504       HANDED       0FF AT         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANGED         AIRCRAFT       N504       CHANGED       PHASE
W504       123       3         W504       126       3         W504       126       3         W504       127       3         W504       147       1         W504       149       1         W504       149       1         W504       149       1         W504       149       1         M504       HANDED OFF AT       -3357798050 TO AR-3.         ASTOCRAFT N504       HANDED OFF AT       -73771560714 <to sfo.<="" td="">         AIRCRAFT N504, HANDED OFF AT       -73771560714<to sfo.<="" td="">         AIRCRAFT N504, CHANGED PHASE AT       -3338274386 TO AR-3.         AIRCRAFT N504, CHANGED PHASE AT       -33382274386 TO AR-3.         AIRCRAFT N504, CHANGED PHASE AT       -33382274386 TO AR-5.</to></to>	W504       123       3         W504       126       3         W504       126       3         W504       127       3         W504       147       1         W504       149       1         M504       HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       CHANGED PHASE AT       .3332274386 TO AR-5.         AIRCRAFT N504       CHANGED PHASE AT       .3332274386 TO AR-5.         AIRCRAFT N504       CHANGED PHASE AT       .333322	W504       123       3         W504       126       3         W504       126       3         W504       127       3         W504       147       1         W504       149       1         M504       149       1         M504       149       1         M504       149       1         M504       HANDED OFF AT       .3357798050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .3357793050 TO AR-3.         AIRCRAFT N504       HANDED OFF AT       .333274386 TO AR-5.         AIRCRAFT N504, CHANGED PHASE AT       .33382274386 TO AR-7.         AIRCRAFT N504, CHANGED PHASE AT       .33382274386 TO AR-7.	W504       123       3         W504       126       3         W504       126       3         W504       127       3         W504       142       1         W504       147       1         W504       149       1         M504       HANDED OFF AT       .000001000 IN ER-S.         A1RCRAFT N504       HANDED OFF AT       .7377260714 <ft o="" sfo<="" td="">         A1RCRAFT N504       HANDED OFF AT       .3332274366 IO APROACH         A1RCRAFT N504       HANDED OFF AT       .3332274366 IO APROACH         A1RCRAFT N504       CHANGED PHASE AT       .0120000</ft>	W504       123       3         W504       126       3         W504       126       3         W504       127       3         W504       147       1         W504       145       1         W504       145       1         W504       147       1         W504       147       1         W504       147       1         W504       149       1         W504       153       1         AIRCRAFT       N504       HANDED       0FF AT         ASTACRAFT
W504       123       3         W504       126       3         W504       126       3         W504       127       3         W504       142       1         W504       147       1         W504       147       1         W504       147       1         W504       147       1         W504       149       1         W504       149       1         W504       149       1         W504       149       1         M504       HANDED OFF AT       .3357798050 TO AR-3.         A504       149       1         A504       HANDED OFF AT       .3357793050 TO AR-3.         A1RCRAFT N504       HANDED OFF AT       .335779365 TO AR-3.         A1RCRAFT N504       HANDED OFF AT       .333274386 TO AR-5.         A1RCRAFT N504       CHANGED PHASE AT       .3332274386 TO AR-5.         A1RCRAFT N504       CHANGED PHASE	V504       123       3         V504       125       3         V504       126       3         V504       127       3         V504       142       1         V504       143       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       147       1         AS04       147       1	N504 123 3 N504 126 3 N504 127 3 N504 127 3 N504 127 3 N504 127 3 N504 127 3 N504 127 3 N504 142 1 N504 142 1 N504 147 1 N504 147 1 N504 147 1 N504 149 1 AIRCRAFT N504 ENTERED AT .0000010000 IN ER-S. AIRCRAFT N504 HANDED OFF AT .3357798059 TO AR-3. AIRCRAFT N504 HANDED OFF AT .33557798059 TO AR-5. AIRCRAFT N504 HANDED OFF AT .33557798050 TO AR-5. AIRCRAFT N504 HANDED OFF AT .3382274386 TO AR-5. AIRCRAFT N504 CHANGED PHASE AT .3382274386 TO APPROACH.	W504       123       3         W504       125       3         W504       125       3         W504       125       3         W504       127       3         W504       127       3         W504       127       3         W504       127       3         W504       142       1         W504       143       1         W504       145       1         W504       147       1         W504       147       1         W504       147       1         W504       145       1         M504       146       1         M504       146       1         M504       146       1         M504       146       1         M504       147       1         M504       1480       1         M504       146       1         M504       147       1         M504       147       1         M504       147       1         M504       147       1         M504       149       1	V504       123       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       127       3         V504       142       1         V504       147       1         V504       143       000001000         N504       147       1         V504       153       1         N504       147       1         V504       153       1         AIRCRAFT       N504       HANDED       07         AIRCRAFT       N504       HANDED       07       077260714         AIRCRAFT       N504       HANDED       07       0700001000       0         AIRCRAFT       N504       HANDED
W504       123       3         W504       124       3         W504       125       3         W504       125       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       142       1         W504       143       1         W504       145       1         M504       145       1         M504       145       100001000         M504       145       100001000         M504       145       1000010000         M504       145       1	W504       123       3         W504       124       3         W504       125       3         W504       126       3         W504       127       3         W504       142       1         W504       143       1         W504       143       1         W504       145       1         W504       1400ED       067         M504       HANDED       067         M504       HANDED       067         M504       153       100001000         M504       HANDED       067         M504       HANDED       777400         M504       CHANGED       1         M504       CHANGED       17         M504	N504 123 3 N504 125 3 N504 125 3 N504 126 3 N504 127 3 N504 127 3 N504 142 1 N504 142 1 N504 143 1 N504 145 1 N504 145 1 N504 147 1 N504 147 1 N504 147 1 N504 147 1 N504 149 1 N504 147 1 AIRCRAFT N504 HANDED OFF AT N504 153 1 AIRCRAFT N504 HANDED OFF AT N504 153 1 AIRCRAFT N504 HANDED OFF AT N504 150 0 N504 153 1 AIRCRAFT N504 HANDED OFF AT N504 150 0 N504 153 1 AIRCRAFT N504 HANDED OFF AT N504 150 0 N504 1500 0 N506 0 N50	N504       123       3         N504       124       3         N504       125       3         N504       127       3         N504       142       1         N504       143       1         N504       147       1         N504       1480ED       0F         N504       1480ED       1         N504       153       1         N504       153       1         N504       153       1         N504       153       0         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504	W504       123       3         W504       124       3         W504       125       3         W504       127       3         W504       142       1         W504       143       1         W504       143       1         W504       145       1         W504       153       1         M504       140000       1         M504       14000       1         M504       14000       10000         M504       16       165         M504       153       10         M504       153       10     <
W504       123       3         W504       124       3         W504       126       3         W504       126       3         W504       127       3         W504       142       1         W504       143       1         W504       145       1         W504       147       1         M504       147       1         M504       147       1         M504       147       1         M504       147       1         A504       HANDED       0FF         A504       HANDED       0FF         A147       1       771260714	W504       123       3         W504       124       3         W504       126       3         W504       126       3         W504       127       3         W504       142       1         W504       143       1         W504       143       1         W504       144       1         W504       147       1         W504       147       1         W504       145       1         M504       145       1         M504       140000       10         M504       140000       10         M504       11       1000001000         M504       140000       17	N504 123 3 N504 124 3 N504 126 3 N504 127 3 N504 127 3 N504 127 3 N504 142 1 N504 143 1 N504 143 1 N504 147 1 N504 147 1 N504 147 1 N504 153 1 AIRCRAFT N504 ENTERED AT .0000010000 IN ER-S. AIRCRAFT N504 HANDED OFF AT .338274386 TO AR-3. AIRCRAFT N504 HANDED OFF AT .338274386 TO AR-5. AIRCRAFT N504 HANDED OFF AT .3382274386 TO AR-5. AIRCRAFT N504 CHANGED PHASE AT .3382274386 TO ARRIVAL TRANSITI AIRCRAFT N504 CHANGED PHASE AT .3382274386 TO ARRIVAL TRANSITI	W504       123       3         W504       126       3         W504       127       3         W504       142       1         W504       143       1         W504       143       1         W504       145       1         W504       145       1         W504       147       1         W504       149       1         W504       140000       0660959303       0         M504       153       1       .7371260714       0         M504       HANDED       067       1       .7371260714       0         M504       HANDED       067       1       .7371260714       0       0         M504       HANDED       067       CHANCED       1       .7371260714       0 <t< td=""><td>W504       123       3         W504       126       3         W504       126       3         W504       127       3         W504       142       1         W504       142       1         W504       143       1         W504       145       1         W504       1400       100001000       10         AFCRAFT       N504       HANDED       0FF AT       .7371260714       10         AFCRAFT       N504       HANDED       0FF AT       .7371260714       10       AFCRAFT         AFCRAFT       N504       HANDED       OFF AT       .</td></t<>	W504       123       3         W504       126       3         W504       126       3         W504       127       3         W504       142       1         W504       142       1         W504       143       1         W504       145       1         W504       1400       100001000       10         AFCRAFT       N504       HANDED       0FF AT       .7371260714       10         AFCRAFT       N504       HANDED       0FF AT       .7371260714       10       AFCRAFT         AFCRAFT       N504       HANDED       OFF AT       .
V504       123       3         V504       124       3         V504       125       3         V504       125       3         V504       126       3         V504       127       3         V504       142       1         V504       142       1         V504       147       1         V504       153       1         A10000       163       731260714       10         A100       147       1       .338274386       10         A1000000       164       1       .737260744       10         A10000000       164       1       .3382274386       10         A1000001000       10	W504       123       3         W504       124       3         W504       125       3         W504       125       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       127       3         W504       147       1         W504       145       1         W504       147       1         M504       147       1         M504       147       1         M504       147       1         A504       HANDED       0FF         A147       1       731260714       10 SFO         A1804       147       73382274386       10 ARTVAL	W504       123       3         W504       124       3         W504       125       3         W504       125       3         W504       126       3         W504       127       3         W504       127       3         W504       127       3         W504       127       3         W504       142       1         W504       143       1         W504       143       1         W504       147       1         M504       147       1         M504       147       1         M504       148000       00000000         AIRCRAFT       N504       HANDED         AIRCRAFT       N504       HANDED         AIRCRAFT       N504	V504       123       3         V504       124       3         V504       125       3         V504       125       3         V504       127       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       128       3         V504       143       1         V504       145       1         V504       145       1         V504       147       1         V504       147       1         V504       143       3357798050         147       1       .000001000         147       1       .3357798050         143       1       .3357798050         149       1       .3357798050         149       1       .33657798050         149       1       .3338274336         149       1       .3338274336         1504       ANOED       OFF AT       .333827436         1504       CHANGED       PHASE<	W504       123       3         W504       124       3         W504       125       3         W504       126       3         W504       127       3         W504       127       3         W504       128       3         W504       127       3         W504       142       1         W504       143       1         W504       145       1         W504       149       1         W504       149       1         W504       149       1         W504       149       1         M504       HANDED OFF AT       .5666959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .7371260714 TO SFO         AIRCRAFT N504       CHANGED PHASE AT       .0000010000 TO
V504       123       3         V504       125       3         V504       125       3         V504       126       3         V504       127       3         V504       147       1         A504       14000       17         V504       147       1         A504       147       1         A504       147       1 <t< td=""><td>V504       123       3         V504       125       3         V504       126       3         V504       127       3         V504       147       1         A504       140000       07         A504       14000       07         A504       14000       07         A504       14000       07     <!--</td--><td>V504       123       3         V504       123       3         V504       126       3         V504       127       3         V504       143       1         V504       145       1         V504       147       1         AS       147       1         AS       147       1         AS       147       1         AS       147       1         <t< td=""><td>V504       123       3         V504       128       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       143       1         V504       143       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       1490E0       06F       33657798050         V504       1490E0       06F       33362798050       04-3.         V504       1400E0       06F       33362793050       04-3.         AIRCRAFT       N504       CHANGED       1       .3332274305       04RIVAL         AIRCRAFT       N504       CHANGED       1       .3332274305       04RIVAL         AIRCRAFT       N504       CHANGED       1</td></t<><td>V504       123       3         V504       123       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       128       3         V504       142       1         V504       147       1         V504       149       1         V504       140E0       060001000         147       1       3357798050       0         V504       140E0       1       7371260714       0         V504       153       0       1       7371260714       0         AIRCRAFT       N504       CHANGED       PHASE       A1       00000010000       0       AR</td></td></td></t<>	V504       123       3         V504       125       3         V504       126       3         V504       127       3         V504       147       1         A504       140000       07         A504       14000       07         A504       14000       07         A504       14000       07 </td <td>V504       123       3         V504       123       3         V504       126       3         V504       127       3         V504       143       1         V504       145       1         V504       147       1         AS       147       1         AS       147       1         AS       147       1         AS       147       1         <t< td=""><td>V504       123       3         V504       128       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       143       1         V504       143       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       1490E0       06F       33657798050         V504       1490E0       06F       33362798050       04-3.         V504       1400E0       06F       33362793050       04-3.         AIRCRAFT       N504       CHANGED       1       .3332274305       04RIVAL         AIRCRAFT       N504       CHANGED       1       .3332274305       04RIVAL         AIRCRAFT       N504       CHANGED       1</td></t<><td>V504       123       3         V504       123       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       128       3         V504       142       1         V504       147       1         V504       149       1         V504       140E0       060001000         147       1       3357798050       0         V504       140E0       1       7371260714       0         V504       153       0       1       7371260714       0         AIRCRAFT       N504       CHANGED       PHASE       A1       00000010000       0       AR</td></td>	V504       123       3         V504       123       3         V504       126       3         V504       127       3         V504       143       1         V504       145       1         V504       147       1         AS       147       1         AS       147       1         AS       147       1         AS       147       1 <t< td=""><td>V504       123       3         V504       128       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       143       1         V504       143       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       1490E0       06F       33657798050         V504       1490E0       06F       33362798050       04-3.         V504       1400E0       06F       33362793050       04-3.         AIRCRAFT       N504       CHANGED       1       .3332274305       04RIVAL         AIRCRAFT       N504       CHANGED       1       .3332274305       04RIVAL         AIRCRAFT       N504       CHANGED       1</td></t<> <td>V504       123       3         V504       123       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       128       3         V504       142       1         V504       147       1         V504       149       1         V504       140E0       060001000         147       1       3357798050       0         V504       140E0       1       7371260714       0         V504       153       0       1       7371260714       0         AIRCRAFT       N504       CHANGED       PHASE       A1       00000010000       0       AR</td>	V504       123       3         V504       128       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       143       1         V504       143       1         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       1490E0       06F       33657798050         V504       1490E0       06F       33362798050       04-3.         V504       1400E0       06F       33362793050       04-3.         AIRCRAFT       N504       CHANGED       1       .3332274305       04RIVAL         AIRCRAFT       N504       CHANGED       1       .3332274305       04RIVAL         AIRCRAFT       N504       CHANGED       1	V504       123       3         V504       123       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       128       3         V504       142       1         V504       147       1         V504       149       1         V504       140E0       060001000         147       1       3357798050       0         V504       140E0       1       7371260714       0         V504       153       0       1       7371260714       0         AIRCRAFT       N504       CHANGED       PHASE       A1       00000010000       0       AR
V504       121       3         V504       124       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       127       3         V504       127       3         V504       128       3         V504       128       3         V504       128       3         V504       143       1         V504       145       1         V504       147       1         A147       1       .000001000         A147       1       .556699303         A147       1       .338274386         A148       .338274386       0         A167       A17       .3382274386       0         A17	V504     121     3       V504     124     3       V504     126     3       V504     126     3       V504     126     3       V504     127     3       V504     127     3       V504     128     3       V504     128     3       V504     128     3       V504     143     1       V504     145     1       V504     147     1       V504     153     1       A167     1     1771260714       A167     1     338274386       A167     1     3382274386       A168     1 <t< td=""><td>V504       121       3         V504       124       3         N504       126       3         N504       126       3         N504       126       3         N504       126       3         N504       127       3         N504       127       3         N504       127       3         N504       127       3         N504       128       3         N504       128       3         N504       128       3         N504       143       1         N504       147       1         147       1       1         147       1       147         147       1       148         148       1       148</td><td>V504     121     3       V504     124     3       V504     124     3       N504     126     3       V504     127     3       V504     142     1       V504     145     1       V504     145     1       V504     147     1       V504     149     1       V504     149     1       V504     1405     010001000 IN ER-S.       AS04     149     1       V504     14050 OFF AT     .000001000 IN ER-S.       AS04     14050 OFF AT     .3357798050 TO AR-S.       AS04     153     1     .333274336 IO AR-S.       AIRCRAFT N504     HANDED OFF AT     .000001000 IO ARSTVAL FRANSITIC       AIRCRAFT N504     CHANGED PHASE AT     .000001000 TO ARSTVAL FRANSITIC       AIRCRAFT N504     CHANGED PHASE AT     .000001000 IO ARSTVAL FRANSITIC       AIRCRAFT N504     CHANGED PHASE AT     .000001000 IO ARSTVAL F</td><td>V504       121       3         V504       124       3         N504       126       3         N504       126       3         N504       126       3         N504       127       3         N504       128       3         N504       128       3         N504       142       1         N504       145       1         N504       145       1         N504       145       1         N504       147       1         N504       149       1         N504       149       1         N504       149       1         N504       153       100001000         N504       149       1         N504       149       1         N504       17004       1         N504       17004       10001000         N504       17371260714       10         N10001000       10</td></t<>	V504       121       3         V504       124       3         N504       126       3         N504       126       3         N504       126       3         N504       126       3         N504       127       3         N504       127       3         N504       127       3         N504       127       3         N504       128       3         N504       128       3         N504       128       3         N504       143       1         N504       147       1         147       1       1         147       1       147         147       1       148         148       1       148	V504     121     3       V504     124     3       V504     124     3       N504     126     3       V504     127     3       V504     142     1       V504     145     1       V504     145     1       V504     147     1       V504     149     1       V504     149     1       V504     1405     010001000 IN ER-S.       AS04     149     1       V504     14050 OFF AT     .000001000 IN ER-S.       AS04     14050 OFF AT     .3357798050 TO AR-S.       AS04     153     1     .333274336 IO AR-S.       AIRCRAFT N504     HANDED OFF AT     .000001000 IO ARSTVAL FRANSITIC       AIRCRAFT N504     CHANGED PHASE AT     .000001000 TO ARSTVAL FRANSITIC       AIRCRAFT N504     CHANGED PHASE AT     .000001000 IO ARSTVAL FRANSITIC       AIRCRAFT N504     CHANGED PHASE AT     .000001000 IO ARSTVAL F	V504       121       3         V504       124       3         N504       126       3         N504       126       3         N504       126       3         N504       127       3         N504       128       3         N504       128       3         N504       142       1         N504       145       1         N504       145       1         N504       145       1         N504       147       1         N504       149       1         N504       149       1         N504       149       1         N504       153       100001000         N504       149       1         N504       149       1         N504       17004       1         N504       17004       10001000         N504       17371260714       10         N10001000       10
504       121       3         4504       123       3         4504       124       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       142       1         4504       143       1         4504       145       1         4504       147       1         4504       147       1         4504       140000       1         4504       153       3357798050       70         4504       149       1       .7371260714       10         4504       153       1       .7372260714       10       7775615         153       1       3382274386       10       ARTVAL       RANSITI         4504       CHANGED       PHASE       1       .333227436       10       ARTVAL         1       15382274386       10       0	1504       121       3         1504       124       3         1504       124       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       142       1         1504       142       1         1504       143       1         1504       147       1         1504       147       1         1504       147       1         1504       143       1         1504       143       1         1504       143       1         1504       143       1         1504       149       1         151       1       338574386       0         153       1       3382274386       0         153       1       3382274386       0         1       1533274386       10       0         1       159       1       <	1504       121       3         1504       124       3         1504       124       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         12914       127       3         12914       127       3         12914       127       3         12914       142       1         12914       143       1         149       1       .000001000       10         1504       147       1       .566995303       10         1504       143       .000001000       10       8         1504       143       .000001000       10       8         1504       143       .000001000       0       8         1504       143       .33857798050       10       8         1504       145       1       .3387798050       10       8         1504       149       1       .7371260714       10       8         1504       1480       1000000000	1504       121       3         1504       124       3         1504       124       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       142       1         1504       145       1         1504       145       1         1504       145       1         1504       147       1         1504       149       1         147       1       55666959303 TO AR-3.         149       1       55666959303 TO AR-3.         149       1       55666959303 TO AR-5.         AIRCRAFT N504, HANDED OFF AT	1504       121       3         1504       124       3         1504       124       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       142       1         1504       145       1         1504       145       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         151       1566959303 TO AR-5.         151       15666959303 TO AR-5.         1501       1571260714 TO SFO         1501       1571260714 TO SFO         150170001 TO ARTA TRANSITION       17371260714 TO SFO         15017010000 TO ARTA TRANSITION       173712
4504       121       3         4504       124       3         4504       124       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       142       1         4504       143       1         4504       143       1         4504       147       1         4504       147       1         4504       14       1         4504       14       1         4504       14       1         4504       14       3357798050       10         4504       14       3357798050       10       ARRIVAL         4504       149       1       .7771260714       0         4504       4ANDED OFF AT       .7771260714       0       ARIVAL         AIRCRAFT N504       HANDED OFF AT       .3332274386       10       ARIVAL	4504       121       3         4504       124       3         4504       124       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       142       1         4504       143       1         4504       145       1         4504       145       1         4504       147       1         4504       14000       1         4504       14000       1         4504       153       3357798050       70         4153       1       37726050       70       876.55         4153       1       338274386       70       777126014         4153       1       3382274386       10       777126014         41504       1504       4ANGED       7       3382274386       10         41604       1504       4ANGED	4504       121       3         4504       124       3         4504       124       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       142       1         4504       143       1         4504       143       1         4504       147       1         4504       147       1         4504       147       1         4504       143       1         4504       1400ED       0F         41       1	4504       121       3         4504       123       3         4504       124       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       128       3         4504       128       3         4504       128       3         4504       128       3         4504       142       1         4504       145       1         4504       144       1         4504       144       1         4504       14000       1         4504       14000       1         4504       1       5666959303       10         4504       1       33857798050       0         4504       1       55666959303       10       88-5         4504       140000       18       7371240       0         4504       1504       0000001000       10       48-5         4504       1504       01000001000       10       48-2	4504       121       3         4504       123       3         4504       124       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       128       3         4504       128       3         4504       128       3         4504       142       1         4504       143       1         4504       145       1         4504       145       1         4504       149       1         4504       14000000000000000000000000000000000000
4504       121       3         4504       124       3         4504       126       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       142       1         4504       143       1         4504       149       1         4504       149       1         4504       149       1         4504       149       1         4504       149       1         4504       149       1         4504       153       3357798050       10         4504       149       1       .737126050       10         4504       153       1       .3332274386       10         4504       1504       4ANGED       1       .3332274386       10         4107       1       .33332274386       10       ARIVAL       .	504       121       3         4504       124       3         4504       126       3         4504       126       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       142       1         4504       143       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       1400E0       057         4504       153       3357798050       10         4504       14       1       .7771260714       10         4504       153       1       .7771260714       10         4103       153       1       .7771260714       10         4504       CHANGED       PHASE       .7771260714       10         4103       1001010000       0100001000	504       121       3         4504       123       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       142       1         4504       143       1         4504       145       1         4504       149       1         4504       149       1         4504       149       1         4504       153       357798050       10         4504       149       1           4504       153            4504       153            4504       153            4504       1504       HANDED OFF AT           4504       1504       HANDED OFF AT <td>4504       121       3         4504       123       3         4504       125       3         4504       126       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       143       1         4504       143       1         4504       144       1         4504       144       1         4504       144       1         4504       144       1         4504       1400E0       067         4504       1400E0       3357798050         4504       1400E0       3357798050         4504       1400E0       33382743360         4504       1400E0       1       .737126074         4504       1600010000       10       382773360         4504       1504       0100010000       0         4504       1704       1       .7332277360         410       1       .3332771364</td> <td>504       121       3         4504       128       3         4504       128       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       128       3         4504       128       3         4504       128       3         4504       142       1         4504       143       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       1400E0       06F         4504       1400E0       06F         149       1       56669593050         1504       149       1         4504       12371260714       10 SF0         51040010000       10       338274386         51040010000       10       3382274386       10 NNDIGO</td>	4504       121       3         4504       123       3         4504       125       3         4504       126       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       143       1         4504       143       1         4504       144       1         4504       144       1         4504       144       1         4504       144       1         4504       1400E0       067         4504       1400E0       3357798050         4504       1400E0       3357798050         4504       1400E0       33382743360         4504       1400E0       1       .737126074         4504       1600010000       10       382773360         4504       1504       0100010000       0         4504       1704       1       .7332277360         410       1       .3332771364	504       121       3         4504       128       3         4504       128       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       128       3         4504       128       3         4504       128       3         4504       142       1         4504       143       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4504       149       1         4504       1400E0       06F         4504       1400E0       06F         149       1       56669593050         1504       149       1         4504       12371260714       10 SF0         51040010000       10       338274386         51040010000       10       3382274386       10 NNDIGO
9504       100       1         9504       123       3         9504       123       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       147       1         9504       145       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       149       1         9504       149       1         9504       149       1         9504       153       3357798050       10         9504       149       1       .77712600       07         91RCRAFT       9504       CHANGED       1       .777436       10         91RCRAFT       9504       CHANGED       1       .3332274386       10       ARTVAL	9504       100       1         9504       123       3         9504       123       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       143       1         9504       143       1         9504       145       1         9504       147       1         9504       147       1         9504       147       1         9504       149       1         9504       149       1         9504       149       1         9504       149       1         9504       149       1         153       1       3357799050       10         153       1       333227436       10       48         153       1534       100001000       10       8         154       15669959303 </td <td>V904       100       1         V504       121       3         V504       123       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       1400ED       0FF         V504       1400ED       0FF       1         V504       153       100001000       10         AIRCRAFT       N504       HANDED       0FF       1         AIRCRAFT       N504       HANDED       0FF       1       7772600714       0560         AIRCRAFT       N504       HANDED       1       .777260734</td> <td>9504       100       1         9504       123       3         9504       123       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       143       1         9504       143       1         9504       145       1         9504       145       1         9504       146       1         9504       147       1         9504       147       1         9504       147       1         9504       149       1         9504       149       1         9504       149       1         9504       149       1         151       149       1         151       149       1         151       149       1         151       149       1         151       149       1</td> <td>9504       100       1         9504       123       3         9504       123       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       143       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       147       1         9504       140000       0         9504       147       1         9504       14000       0         153       1       3857798050         153827798050       10       0         15566959333       10       0         1571260714       10       5666959303         16104       17</td>	V904       100       1         V504       121       3         V504       123       3         V504       126       3         V504       126       3         V504       126       3         V504       127       3         V504       145       1         V504       145       1         V504       145       1         V504       147       1         V504       147       1         V504       147       1         V504       1400ED       0FF         V504       1400ED       0FF       1         V504       153       100001000       10         AIRCRAFT       N504       HANDED       0FF       1         AIRCRAFT       N504       HANDED       0FF       1       7772600714       0560         AIRCRAFT       N504       HANDED       1       .777260734	9504       100       1         9504       123       3         9504       123       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       143       1         9504       143       1         9504       145       1         9504       145       1         9504       146       1         9504       147       1         9504       147       1         9504       147       1         9504       149       1         9504       149       1         9504       149       1         9504       149       1         151       149       1         151       149       1         151       149       1         151       149       1         151       149       1	9504       100       1         9504       123       3         9504       123       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       143       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       147       1         9504       140000       0         9504       147       1         9504       14000       0         153       1       3857798050         153827798050       10       0         15566959333       10       0         1571260714       10       5666959303         16104       17
4504     100     1       4504     121     3       4504     121     3       4504     125     3       4504     126     3       4504     126     3       4504     127     3       4504     127     3       4504     127     3       4504     142     1       4504     145     1       4504     145     1       4504     145     1       4504     145     1       4504     145     1       4504     145     1       4504     145     1       4504     145     1       4504     149     1       4504     4ANDED OFF AT     .0000010000 IN ER-S.       AIRCRAFT N504     HANDED OFF AT     .5666959303 TO AR-S.       AIRCRAFT N504     HANDED OFF AT     .5666959303 TO AR-S.       AIRCRAFT N504     HANDED OFF AT     .777260714 TO SFO.       AIRCRAFT N504     HANDED OFF AT     .3338274386 TO AR-S.       AIRCRAFT N504     CHANGED PHASE AT     .3338274386 TO AR-S.       AIRCRAFT N504     CHANGED PHASE AT     .3338274386 TO ARPOL.       AIRCRAFT N504     CHANGED PHASE AT     .3338274386 TO ARPOL	4504       100       1         4504       121       3         4504       121       3         4504       125       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       142       1         4504       142       1         4504       145       1         4504       145       1         4504       145       1         4504       145       1         4504       145       1         4504       145       1         4504       1490E0       067         4504       4ANDED       067       3357743050         4504       4ANDED       1       7737260714       056         4504       4ANDED       1       73382274336       10         410261       PASE       1       3382274336       10         4100000000       NO4       1       3382274336       10         4100000000       1067       100000000	4504       100       1         4504       121       3         4504       123       3         4504       125       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       142       1         4504       145       1         4504       145       1         4504       145       1         4504       145       1         4504       145       1         4504       145       1         4504       145       1         4504       153       3357743050170         4147       1       318CRAFT N504       HANDED OFF AT         4504       145       1       33577436100010000         4153       1       3332274366       10         4167       1       3332274366       10         4167       1       33332274366       10         41660       PHASE       33332274366 </td <td>4504     100     1       4504     121     3       4504     123     3       4504     124     3       4504     126     3       4504     126     3       4504     126     3       4504     126     3       4504     126     3       4504     126     3       4504     127     3       4504     145     1       4504     145     1       4504     147     1       4504     147     1       4504     14000000000000000000000000000000000000</td> <td>4504       100       1         4504       121       3         4504       123       3         4504       125       3         4504       126       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       14050       057         4504       14050       057         4147       1       .000001000         153       1       .3357798050         151       .338277386       0         151       .338277386       0         151       .338277386       0         161       .33827</td>	4504     100     1       4504     121     3       4504     123     3       4504     124     3       4504     126     3       4504     126     3       4504     126     3       4504     126     3       4504     126     3       4504     126     3       4504     127     3       4504     145     1       4504     145     1       4504     147     1       4504     147     1       4504     14000000000000000000000000000000000000	4504       100       1         4504       121       3         4504       123       3         4504       125       3         4504       126       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       14050       057         4504       14050       057         4147       1       .000001000         153       1       .3357798050         151       .338277386       0         151       .338277386       0         151       .338277386       0         161       .33827
504       100       1         5504       121       3         5504       124       3         5504       126       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       142       1         5504       142       1         5504       142       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       16         514       15       1000001000       18	504       100       1         5504       121       3         5504       124       3         5504       126       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       142       1         5504       142       1         5504       142       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       149       1         5504       145       1         5504       145       1         5504       145       16         5504       145       16         5504       145       16         5504       145       16 <t< td=""><td>504       100       1         504       121       3         504       121       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       142       1         504       142       1         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       153       1         504       153       1         5104       153       1         5104       153       1         5104       153       100001000         153       1       3382274386         <td< td=""><td>100       1         1504       121       3         1504       123       3         1504       124       3         1504       125       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       142       1         1504       145       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       143       3367798050       0         1504       147       1       3357798050       0         1504       147       1       3367798050       0       ARSA         1504       1400E0       0FF AT       5666959303       0       ARSA         149       1</td><td>9504       100       1         9504       121       3         9504       123       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       142       1         9504       142       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       1480E0 OFF AT       .3557738050 O AFF-3.         AIRCRAFT N504       HANDED</td></td<></td></t<>	504       100       1         504       121       3         504       121       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       142       1         504       142       1         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       153       1         504       153       1         5104       153       1         5104       153       1         5104       153       100001000         153       1       3382274386 <td< td=""><td>100       1         1504       121       3         1504       123       3         1504       124       3         1504       125       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       142       1         1504       145       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       143       3367798050       0         1504       147       1       3357798050       0         1504       147       1       3367798050       0       ARSA         1504       1400E0       0FF AT       5666959303       0       ARSA         149       1</td><td>9504       100       1         9504       121       3         9504       123       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       142       1         9504       142       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       1480E0 OFF AT       .3557738050 O AFF-3.         AIRCRAFT N504       HANDED</td></td<>	100       1         1504       121       3         1504       123       3         1504       124       3         1504       125       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       142       1         1504       145       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       143       3367798050       0         1504       147       1       3357798050       0         1504       147       1       3367798050       0       ARSA         1504       1400E0       0FF AT       5666959303       0       ARSA         149       1	9504       100       1         9504       121       3         9504       123       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       142       1         9504       142       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       147       1         9504       1480E0 OFF AT       .3557738050 O AFF-3.         AIRCRAFT N504       HANDED
4504       10       1         5504       121       3         5504       124       3         5504       124       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       143       1         5504       143       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         149       1       3355798050       10         1504       153       382637436       0         140       1       55664999303       0       876505         1450       1       3355799050       0       876714         1450       140       1       3332274366	4504       10       1         5504       121       3         5504       124       3         5504       124       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       143       1         5504       143       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1566959303 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .335274386 TO AR-5.         AIRCRAFT N504       HANGED PHASE AT       .00000010000 TO AR-5.	4504       10       1         5504       121       3         5504       124       3         5504       124       3         5504       126       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       142       1         5504       143       1         5504       143       1         5504       143       1         5504       143       1         5504       143       1         5504       143       1         5504       143       1         5504       143       1         149       1       1         1504       143       1         1504       153       33577905050       10         318CRAFT       N504       HANDED       067       335779050       0         318CRAFT       N504       HANDED       067       3336274366       0	4504       10       1         5504       121       3         4504       121       3         4504       124       3         4504       126       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       142       1         4504       143       1         4504       144       1         4504       144       1         4504       14400ED       1         4504       153       357798050       10         4504       153       357798050       10         4504       153       3357798050       10         4504       153       336277360       10         4504       1504       1504       338277360         4504       1504       1504       338277360         4504       1504       17174       10         41000001000 <td< td=""><td>4504       10       1         4504       121       3         4504       123       3         4504       125       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       140000       0100000         153       1       3357798050         1504       147       1         1504       147       1         1504       147       1         1504       148000       167       1         1504       148000       067       1       3357798050       0         151       1504</td></td<>	4504       10       1         4504       121       3         4504       123       3         4504       125       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       127       3         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       140000       0100000         153       1       3357798050         1504       147       1         1504       147       1         1504       147       1         1504       148000       167       1         1504       148000       067       1       3357798050       0         151       1504
504       10       1         504       121       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       143       3357798050       10         504       143       566999333       0       8-5         149       1       318CRAFT N504       ANDED OFF AT       .3731260714       0.560         AIRCRAFT N504       ANDED OFF AT       .3332274386 <td< td=""><td>504       10       1         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       143       56699333 TO AR-5.         AIRCRAFT N504       ANDED OFF AT       .5666959333 TO AR-5.         AIRCRAFT N504       ANDED OFF AT       .3731260714 TO 570         AIRCRAFT N504       ANDED OFF AT       .3332274386 TO APPS.         AIRCRAFT N504       CHANGED PHASE AT       .00000010000 TO 0704H.</td><td>594       10       1         504       121       3         504       124       3         504       124       3         504       125       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         516       149       1         516       149       1         516       149       1         516       <td< td=""><td>504       10       1         504       121       3         504       124       3         504       125       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       15         610       153       100001000         167       15       1         6104       167       15         167</td><td>594       10       1         594       121       3         594       124       3         594       124       3         594       124       3         594       126       3         594       126       3         594       126       3         594       127       3         594       127       3         594       127       3         594       127       3         594       127       3         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       149       1         594       147       1         594       148       566595303       0         4147       1       3857798050       0       0         4504       HANCED       067       1       3362743060</td></td<></td></td<>	504       10       1         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       143       56699333 TO AR-5.         AIRCRAFT N504       ANDED OFF AT       .5666959333 TO AR-5.         AIRCRAFT N504       ANDED OFF AT       .3731260714 TO 570         AIRCRAFT N504       ANDED OFF AT       .3332274386 TO APPS.         AIRCRAFT N504       CHANGED PHASE AT       .00000010000 TO 0704H.	594       10       1         504       121       3         504       124       3         504       124       3         504       125       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         516       149       1         516       149       1         516       149       1         516 <td< td=""><td>504       10       1         504       121       3         504       124       3         504       125       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       15         610       153       100001000         167       15       1         6104       167       15         167</td><td>594       10       1         594       121       3         594       124       3         594       124       3         594       124       3         594       126       3         594       126       3         594       126       3         594       127       3         594       127       3         594       127       3         594       127       3         594       127       3         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       149       1         594       147       1         594       148       566595303       0         4147       1       3857798050       0       0         4504       HANCED       067       1       3362743060</td></td<>	504       10       1         504       121       3         504       124       3         504       125       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       15         610       153       100001000         167       15       1         6104       167       15         167	594       10       1         594       121       3         594       124       3         594       124       3         594       124       3         594       126       3         594       126       3         594       126       3         594       127       3         594       127       3         594       127       3         594       127       3         594       127       3         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       147       1         594       149       1         594       147       1         594       148       566595303       0         4147       1       3857798050       0       0         4504       HANCED       067       1       3362743060
504       10       1         504       121       3         504       125       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       143       566999303 TO AR-5.         AIRCRAFT N504       14ANDED OFF AT       .3357798050 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .333577936 TO AR-5.         AIRCRAFT N504       HANDED OFF AT       .3336274366 TO AR-5.         AIRCRAFT N504       CHA	504       10       1         504       124       3         504       124       3         504       125       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       153       3857798050         149       1       3731260714       056         1504       153       3777560714       056         1504       153       3777560714       056         1504       15       338274366       0       7371260744         1504       15       3332274366       0       8124377174	504       10       1         504       121       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         515       1       335779050710 Ar-5.         AIRCRAFT N504       1400E0 OFF AT       77716400000 0Artual transintual transintual transinual transitual transitual transinual trans	504       10       1         504       121       3         504       124       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       14000       00000000         147       1       3365779050       0         147       1       1       .7371260714       0         147 <t< td=""><td>504       10       1         504       121       3         504       124       3         504       124       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       146       1         504       14000       00000000         147       1       3857798050         147       1       3857798050</td></t<>	504       10       1         504       121       3         504       124       3         504       124       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       146       1         504       14000       00000000         147       1       3857798050         147       1       3857798050
904       10       1         9504       121       3         9504       123       3         9504       124       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       142       1         9504       143       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         147       1	904       10       1         9504       121       3         9504       123       3         9504       125       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       143       1         9504       143       1         9504       143       1         9504       143       1         9504       143       0000010000         147       1       1         1504       144       1         1504       143       060010000         147       1       166         148       1       1737126714         1504       15357798050       0         1504       153       3382274386         1504       1533274386       0         1504       1533274386       0         1050000000000 <td>904       10       1         9504       121       3         9504       123       3         9504       124       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       142       1         9504       142       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       147       1         1504       147       1         1504       143       000001000       1N ER-S.         1504       150       1400       000010000       1N ER-S.         1504       150       1400       000010000       1N ER-S.         1504       150       177100       1000010000</td> <td>904       10       1         9504       121       3         9504       123       3         9504       124       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       144       1         1504       144       1         1504       144       1         1504       147       1         1504       1490       14</td> <td>504       10       10       10         504       121       3       501         504       124       3       501         504       126       3       501         504       126       3       501         504       126       3       501         504       126       3       501         504       126       3       501         504       127       3       502         504       147       1       503         504       145       1       504         145       1       3357798050       70         504       145       1       566959303       70         504       145       1       5666959303       70         504       145       1       5666959303       70         504       145       1       5666959303       70       88-5.         504       145       1       5666959303       70       88-5.         5104       145       1       5666959303       70       88-2.4.5.         5104       145       1       5666959303       70       88-2.4.5.</td>	904       10       1         9504       121       3         9504       123       3         9504       124       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       142       1         9504       142       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       145       1         9504       147       1         1504       147       1         1504       143       000001000       1N ER-S.         1504       150       1400       000010000       1N ER-S.         1504       150       1400       000010000       1N ER-S.         1504       150       177100       1000010000	904       10       1         9504       121       3         9504       123       3         9504       124       3         9504       126       3         9504       126       3         9504       126       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       127       3         9504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       144       1         1504       144       1         1504       144       1         1504       147       1         1504       1490       14	504       10       10       10         504       121       3       501         504       124       3       501         504       126       3       501         504       126       3       501         504       126       3       501         504       126       3       501         504       126       3       501         504       127       3       502         504       147       1       503         504       145       1       504         145       1       3357798050       70         504       145       1       566959303       70         504       145       1       5666959303       70         504       145       1       5666959303       70         504       145       1       5666959303       70       88-5.         504       145       1       5666959303       70       88-5.         5104       145       1       5666959303       70       88-2.4.5.         5104       145       1       5666959303       70       88-2.4.5.
101       1         1020       1         101       1         1020       1         101       1         1020       1         1030       1         1030       1         1030       1         1030       1         1030       1         1030       1	101       1         1020       1         1020       1         1020       1         1020       1         1020       1         1030       1         1030       1         1030       1         1030       1         1030       1         1030       1 <td>101       10       1         1504       121       3         1504       121       3         1504       124       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       144       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1</td> <td>101       1         1504       101         1504       121         1504       123         1504       125         1504       126         1504       126         1504       126         1504       126         1504       126         126       3         1504       127         126       3         1504       127         126       3         127       3         128       3         129       3         120       127         121       3         122       3         128       3         1294       147         147       1         1504       145         147       1         1504       145         149       1         149       1         1504       144         1504       144         1504       144         1504       147         1504       147         1504       147         149       1</td> <td>101       10       1         1504       101       1         1504       121       3         1504       123       3         1504       124       3         1504       126       3         1504       126       3         1504       126       3         1504       126       3         120       126       3         120       126       3         120       126       3         120       127       3         120       127       3         120       126       1         120       127       3         120       127       3         120       127       3         120       127       3         120       128       3         120       147       1         149       1       5504       14         149       1       5504       147         1504       147       1       5565959303       10         149       1       5566959303       10       7371260714       10         149<!--</td--></td>	101       10       1         1504       121       3         1504       121       3         1504       124       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       144       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1	101       1         1504       101         1504       121         1504       123         1504       125         1504       126         1504       126         1504       126         1504       126         1504       126         126       3         1504       127         126       3         1504       127         126       3         127       3         128       3         129       3         120       127         121       3         122       3         128       3         1294       147         147       1         1504       145         147       1         1504       145         149       1         149       1         1504       144         1504       144         1504       144         1504       147         1504       147         1504       147         149       1	101       10       1         1504       101       1         1504       121       3         1504       123       3         1504       124       3         1504       126       3         1504       126       3         1504       126       3         1504       126       3         120       126       3         120       126       3         120       126       3         120       127       3         120       127       3         120       126       1         120       127       3         120       127       3         120       127       3         120       127       3         120       128       3         120       147       1         149       1       5504       14         149       1       5504       147         1504       147       1       5565959303       10         149       1       5566959303       10       7371260714       10         149 </td
504       76       16         504       10       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         7504       1504       160001000         167       15       1         716	504       76       16         504       10       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         5151 <t< td=""><td>504       76       16         504       10       1         504       123       3         504       124       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       144       1         504       144       1         504       147       1         504       147       1         504       14000       00000000         147       1       335779050       0         147       1       3336274306       <t< td=""><td>504       76       16         504       10       1         504       121       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       126       3         504       127       3         504       127       3         504       127       3         504       143       1         1504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       146       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       15         1604</td><td>504       76       16         504       10       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       128       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         516       <td< td=""></td<></td></t<></td></t<>	504       76       16         504       10       1         504       123       3         504       124       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       144       1         504       144       1         504       147       1         504       147       1         504       14000       00000000         147       1       335779050       0         147       1       3336274306 <t< td=""><td>504       76       16         504       10       1         504       121       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       126       3         504       127       3         504       127       3         504       127       3         504       143       1         1504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       146       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       15         1604</td><td>504       76       16         504       10       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       128       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         516       <td< td=""></td<></td></t<>	504       76       16         504       10       1         504       121       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       126       3         504       127       3         504       127       3         504       127       3         504       143       1         1504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       146       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       15         1604	504       76       16         504       10       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       128       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         516 <td< td=""></td<>
504       76       16         504       10       1         504       121       3         504       124       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       14000       01000000         147       1       3365779050       70	504       76       16         504       121       3         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       375798050         147       1       33657798050         147       1       5504         147       1       5504 <td< td=""><td>504       76       16         1504       10       1         1504       121       3         1504       123       3         1504       124       3         1504       126       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       126       3         1504       126       3         1504       127       3         1504       143       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1</td><td>504       76       16         1504       100       1         1504       121       3         1504       123       3         1504       124       3         1504       126       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         127       3       3         128       3       3         1294       127       3         1294       147       1         1504       145       1         147       1       3357799050         149       1       3357799050         149       1       3357799050         149       1       3357799050         149       1       3357799050         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         149       1       168<td>504       76       16         504       10       1         504       123       3         504       123       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         7504       <t< td=""></t<></td></td></td<>	504       76       16         1504       10       1         1504       121       3         1504       123       3         1504       124       3         1504       126       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       126       3         1504       126       3         1504       127       3         1504       143       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1	504       76       16         1504       100       1         1504       121       3         1504       123       3         1504       124       3         1504       126       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         127       3       3         128       3       3         1294       127       3         1294       147       1         1504       145       1         147       1       3357799050         149       1       3357799050         149       1       3357799050         149       1       3357799050         149       1       3357799050         1504       149       1         1504       149       1         1504       149       1         1504       149       1         1504       149       1         149       1       168 <td>504       76       16         504       10       1         504       123       3         504       123       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         7504       <t< td=""></t<></td>	504       76       16         504       10       1         504       123       3         504       123       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         7504 <t< td=""></t<>
4504       76       16         5504       123       3         5504       123       3         5504       126       3         5504       126       3         5504       126       3         5504       127       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       15	101       1         1504       123         1504       123         1504       123         1504       124         1504       125         1504       126         1504       126         1504       126         1504       126         127       3         1504       127         127       3         1504       127         127       3         128       3         129       3         129       3         129       127         128       3         129       127         128       128         1291       147         147       1         1504       147         1504       147         1504       147         1504       153         1504       153         1504       153         1504       153         1504       153         1504       153         1504       153         1504       153         1504	4504       76       16         5504       123       3         5504       123       3         5504       125       3         5504       126       3         5504       126       3         5504       126       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       142       1         5504       143       1         5504       143       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       15         5504       145       16         147       1       15         5504       145       16	4504       76       16         4504       100       1         4504       121       3         4504       123       3         4504       123       3         4504       125       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       128       3         4504       128       3         4504       128       3         4504       128       3         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       147       1         4504       140E0       067       3357739050         4147       1       36566959303       10       AR-3.         4147       1       5504       1440E0       067       33577360714       07         4147       1       147       1       5666959303       70       AR-3. <td>4504       76       16         4504       100       1         4504       121       3         4504       123       3         4504       123       3         4504       125       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       128       3         4504       128       3         4504       128       1         4504       142       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4147       1       5666999303       10         4504       147       1       5666999303       10         4504       147       1       566699933       10       87.93         4147       1       566699933       10       87.93       10       87.71         4147       1       1       566699933</td>	4504       76       16         4504       100       1         4504       121       3         4504       123       3         4504       123       3         4504       125       3         4504       126       3         4504       126       3         4504       126       3         4504       127       3         4504       127       3         4504       128       3         4504       128       3         4504       128       1         4504       142       1         4504       147       1         4504       147       1         4504       149       1         4504       149       1         4147       1       5666999303       10         4504       147       1       5666999303       10         4504       147       1       566699933       10       87.93         4147       1       566699933       10       87.93       10       87.71         4147       1       1       566699933
6504       76       16         1504       123       3         1504       123       3         1504       125       3         1504       125       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       142       1         1504       143       1         1504       143       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         147       1       .000001000         1504       1533       .0       0         1504       147       1       .3357798050       0         1504       147       1       .336274386       0         151       336274386	6504       76       16         1504       123       3         1504       123       3         1504       125       3         1504       126       3         1504       126       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       145       1         1504       145       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       153       3357798050       70         1504       147       1       33557798050       70         1504       147       1       33557798050       70         1504       147       15       336274386       70 <td>4504       76       16         1504       120       1         1504       123       3         1504       125       3         1504       125       3         1504       125       3         1504       125       3         1504       125       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1514       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1</td> <td>504       76       16         504       100       1         5504       123       3         5504       123       3         5504       125       3         5504       126       3         5504       126       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1</td> <td>6504       76       16         5504       121       3         5504       123       3         5504       124       3         5504       126       3         5504       126       3         5504       126       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       142       1         5504       142       1         5504       142       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         504       145       1</td>	4504       76       16         1504       120       1         1504       123       3         1504       125       3         1504       125       3         1504       125       3         1504       125       3         1504       125       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1514       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1	504       76       16         504       100       1         5504       123       3         5504       123       3         5504       125       3         5504       126       3         5504       126       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1	6504       76       16         5504       121       3         5504       123       3         5504       124       3         5504       126       3         5504       126       3         5504       126       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       142       1         5504       142       1         5504       142       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         5504       145       1         504       145       1
504       76       16         504       100       1         504       123       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         1504       142       1         1504       143       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         147       1       3357798050       0         5504       147       1       3357798050       0         5504       147       1       3357798050       0       0         5504       147       1       33577386074       0       0<	504       76       16         504       120       1         504       123       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1600000000         147	504       76       16         504       100       1         504       121       3         504       123       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       123       3         504       142       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514 <t< td=""><td>504       76       16         504       121       3         504       123       3         504       125       3         504       125       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         5156174</td><td>504       76       16         504       121       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         7771260714</td></t<>	504       76       16         504       121       3         504       123       3         504       125       3         504       125       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         5156174	504       76       16         504       121       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         7771260714
5514       76       16         1504       120       1         1504       121       3         1504       125       3         1504       125       3         1504       125       3         1504       125       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1	5514       76       16         1504       121       3         1504       121       3         1504       125       3         1504       125       3         1504       125       3         1504       125       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1504       147       1         1514       1504       147         151       1       .0000010000         151       1       .33857798050         151       151       .33857798050         151       151       .338274386         151       .3382274386       0         151       .33	5514       76       16         1504       120       1         1504       121       3         1504       125       3         1504       125       3         1504       125       3         1504       125       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       147       1         1504       147       1         1504       147       1         149       1       .0000010000         147       1       .3357798050       0         147       1       .3357798050       0         147       1       .335779074       0         147       1       .335779074       0         147       1       .33577306070       0         147	554       76       16         5504       10       1         5504       121       3         5504       124       3         5504       125       3         5504       126       3         5504       126       3         5504       127       3         5504       127       3         5504       127       3         5504       127       3         5504       142       1         5504       142       1         5504       142       1         5504       142       1         5504       142       1         5504       142       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1         5504       147       1	504       76       16         504       10       1         504       121       3         504       121       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         7504 <t< td=""></t<>
504       76       16         504       100       1         504       121       3         504       123       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         1504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514       147       1         514       147       1         5154	504       76       16         504       100       1         504       121       3         504       121       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         5154       <	504       76       16         504       100       1         504       121       3         504       121       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         1504       128       3         504       147       1         1504       149       1         149       1       .0000010000         149       1       .3357798050         149       1       .3357798050         149       1       .3357798050         149       1       .3357798050         149       1       .3357798050         149       1       .335773860       0         AIRCRAFT N504       CHANGED PHASE       .3336274386       0         AIRCRAFT N504       CHANGED PHASE </td <td>504       76       16         504       100       1         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       3857798050         514       149       1         514       140       16         149       1       3857798050</td> <td>504       76       16         504       100       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       144       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         7504       &lt;</td>	504       76       16         504       100       1         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       3857798050         514       149       1         514       140       16         149       1       3857798050	504       76       16         504       100       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       144       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         7504       <
504       76       16         504       121       3         504       121       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         149	101       16         1504       121       3         1504       121       3         1504       123       3         1504       123       3         1504       126       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         126       3       3         127       3       3         128       1       1         129       142       1         143       1       1         1504       145       1         149       1       1         149       1       33557798050700 AR-5.         149       1       33557798050700 AR-5.         149       1       3355779805070 TO AR-5.         149       1       3355779805070 TO AR-5.         149       1       3355779805070 TO AR-5.         AIRCRAFT N504, CHANGED PHASE       336577386 TO AR-5.         AIRCRAFT N504, CHANGED PHASE       3336274386 TO AR-5.         AIRCRAFT N504, CHANGED PHASE	504       76       16         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14       10000010000	504       76       16         504       121       3         504       121       3         504       123       3         504       123       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       153       1         AIRCRAFT N504 <td>504       75       5         504       10       1         504       121       3         504       121       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         150       <td< td=""></td<></td>	504       75       5         504       10       1         504       121       3         504       121       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         150 <td< td=""></td<>
1994       75       5         1504       121       3         1504       123       3         1504       123       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         129       1       1         1504       143       1         1504       145       1         149       1       3337798050         149       1       3337798050         149       1       3337798050         149       1       3337798050         149       1       3336274386         149       1       7332274386         149       1       3338274386         149       1       3338274386         141       1       1         149       1       3338274386         141 <td< td=""><td>1994       75       5         1504       121       1         1504       123       3         1504       123       3         1504       126       3         1504       126       3         1504       127       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         128       3       3         129       142       1         129       143       1         1504       145       1         1504       145       1         149       1      </td><td>1994       75       5         1504       12       1         1504       123       3         1504       123       3         1504       125       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       127       3         1504       145       1         1504       145       1         1504       145       1         149       1       .0000010000         147       1       .3357798050         149       1       .3357798050         149       1       .3357798050         149       1       .3357798050         149       1       .3357798050         149       1       .3336274386         149       1       .3336274386         149       1       .5666959303       0      <t< td=""><td>1994       75       5         1504       121       1         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       145       1         1504       145       1         1504       145       1         147       1       .00001000 IN ER-S.         1504       145       1         147       1       .3557798050 IO AR-3.         1504       145       1         147       1       .3557798050 IO AR-3.         1504       149       1         147       1       .36666959303 TO AR-5.         5104       145       .377760714 TO 550.         147       1       .3333227439610 APC.5.</td></t<></td></td<> <td>1904       75       5         1504       10       1         1504       121       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         120       127       3         121       1       100001000         127       3       3         1294       127       3         1294       143       1         144       1       1         1504       145       1         147       1       3357798050         149       1       3357798050       10         1504       149       1       3357798050       10         1504       149       1       3362749050       10       377126074         1504       149       1       33322743050       10       ANALIVIC         16704<!--</td--></td>	1994       75       5         1504       121       1         1504       123       3         1504       123       3         1504       126       3         1504       126       3         1504       127       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         128       3       3         129       142       1         129       143       1         1504       145       1         1504       145       1         149       1	1994       75       5         1504       12       1         1504       123       3         1504       123       3         1504       125       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       127       3         1504       145       1         1504       145       1         1504       145       1         149       1       .0000010000         147       1       .3357798050         149       1       .3357798050         149       1       .3357798050         149       1       .3357798050         149       1       .3357798050         149       1       .3336274386         149       1       .3336274386         149       1       .5666959303       0 <t< td=""><td>1994       75       5         1504       121       1         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       145       1         1504       145       1         1504       145       1         147       1       .00001000 IN ER-S.         1504       145       1         147       1       .3557798050 IO AR-3.         1504       145       1         147       1       .3557798050 IO AR-3.         1504       149       1         147       1       .36666959303 TO AR-5.         5104       145       .377760714 TO 550.         147       1       .3333227439610 APC.5.</td></t<>	1994       75       5         1504       121       1         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       145       1         1504       145       1         1504       145       1         147       1       .00001000 IN ER-S.         1504       145       1         147       1       .3557798050 IO AR-3.         1504       145       1         147       1       .3557798050 IO AR-3.         1504       149       1         147       1       .36666959303 TO AR-5.         5104       145       .377760714 TO 550.         147       1       .3333227439610 APC.5.	1904       75       5         1504       10       1         1504       121       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         120       127       3         121       1       100001000         127       3       3         1294       127       3         1294       143       1         144       1       1         1504       145       1         147       1       3357798050         149       1       3357798050       10         1504       149       1       3357798050       10         1504       149       1       3362749050       10       377126074         1504       149       1       33322743050       10       ANALIVIC         16704 </td
1504       75       3         1504       121       3         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       143       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         147       1       1         1504       145       1       3357798050       0 Are-s.         504       145       1       1       1       1         147       1       1       1       1       1         1504       147       1       1       1       1         147       1       1 <th1< th="">       33557798050       <th< td=""><td>1504       75       3         1504       121       3         1504       123       3         1504       123       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       143       1         149       1       .0000010000       10         149       1       .3357798050       70         149       1       .3357798050       70         149       1       .3357798050       70         149       1       .3357798050       70         149       1       .3357798050       70         149       1       .3357798050       70         149       1       .33577386       0         149       1       .3332274386       0</td><td>1904       75       3         1504       75       3         1504       121       3         1504       123       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       140       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         149       1       .0000010000         145       1       .3355798050       0 R-5.         504       147       1       .3355798050       0 R-5.         504       147       1       .3357798050       0 Ar-5.         514704       140050       0FF AT       .335274386       0 Ar-5.         51470760       C</td><td>1504       75       3         1504       121       1         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         120       3       3         121       3       3         122       3       3         1204       127       3         1204       127       3         1204       147       1         144       1       .00001000 IN ER-S.         147       1       .33557798050 IO AR-3.         147       1       .3557798050 IO AR-3.         147       1       .3557798050 IO AR-5.         147       1       .35577260714 IO SFO         147       1<td>1504       75       3         1504       121       1         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       142       1         1504       143       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       15060959303 TO AR-3.         1504       145       15506714 TO 560714 TO 5607.         1504       145       153827730810 TO AR-3.         1</td></td></th<></th1<>	1504       75       3         1504       121       3         1504       123       3         1504       123       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       143       1         149       1       .0000010000       10         149       1       .3357798050       70         149       1       .3357798050       70         149       1       .3357798050       70         149       1       .3357798050       70         149       1       .3357798050       70         149       1       .3357798050       70         149       1       .33577386       0         149       1       .3332274386       0	1904       75       3         1504       75       3         1504       121       3         1504       123       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       140       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         149       1       .0000010000         145       1       .3355798050       0 R-5.         504       147       1       .3355798050       0 R-5.         504       147       1       .3357798050       0 Ar-5.         514704       140050       0FF AT       .335274386       0 Ar-5.         51470760       C	1504       75       3         1504       121       1         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         120       3       3         121       3       3         122       3       3         1204       127       3         1204       127       3         1204       147       1         144       1       .00001000 IN ER-S.         147       1       .33557798050 IO AR-3.         147       1       .3557798050 IO AR-3.         147       1       .3557798050 IO AR-5.         147       1       .35577260714 IO SFO         147       1 <td>1504       75       3         1504       121       1         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       142       1         1504       143       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       15060959303 TO AR-3.         1504       145       15506714 TO 560714 TO 5607.         1504       145       153827730810 TO AR-3.         1</td>	1504       75       3         1504       121       1         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       142       1         1504       143       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       15060959303 TO AR-3.         1504       145       15506714 TO 560714 TO 5607.         1504       145       153827730810 TO AR-3.         1
1504       75       3         1504       121       1         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       128       3         1504       147       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         1504       145       1         149       1       .0000010000         147       1       .3357798050       0         149       1       .33827798050       0         149       1       .0000010000       N e-s.         504       147       1       .73126074       10         149	504       75       3         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       33957798050         5147       147       1         5147       147       167         5147       147       167         5	1504       75       3         1504       12       1         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         1504       147       1         1504       145       1         1504       145       1         1504       145       1         149       1       .0000010000         145       1       .3357798050         149       1       .3357798050         149       1       .335774365         149       1       .3357743650         149       1       .335774385         149       1       .3332274385         149       1       .3332274385         1400000100000	1504       75       3         1504       75       1         1504       123       3         1504       123       3         1504       124       3         1504       126       3         1504       127       3         1504       127       3         1504       127       3         1504       127       3         120       1       3         121       3       3         127       3       3         128       1       1         129       127       3         129       142       1         129       142       1         143       1       3557798050         144       1       5504       145         145       1       5504       145         144       1       5504       144         147       1       5504       145         147       1       5504       140050       676         147       1       5504       146       5605959303       70         5014       153       3385773	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514       153       1         6504       14000000000000000000000000000000000000
504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1       1         5	504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       3357798050100 Re-S.         504       145       1       7371560744         504       145       1       7371560744       10         504       145       1504       14000000000       0       8-5.         504       147       1504       14000000000       0       8-566959303       0       0 <td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1       5666959303       70       Ar-3.         504       147       1       1       5666959303       70       Ar-3.         504       147       1       1       5666959303</td> <td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1       33557798050       0         504       145       1       504       4anded off       33527438650       0         514       1504</td> <td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .00001000         504       145       1         143       1       .00001000         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         514       153       1         514       153       1000010000         &lt;</td>	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1       5666959303       70       Ar-3.         504       147       1       1       5666959303       70       Ar-3.         504       147       1       1       5666959303	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1       33557798050       0         504       145       1       504       4anded off       33527438650       0         514       1504	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .00001000         504       145       1         143       1       .00001000         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         514       153       1         514       153       1000010000         <
504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       16         145 <td< td=""><td>504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1400000000         147</td><td>504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         5154       <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         AIRCRAFT N504</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         145       1       .00001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         514       1       .5666959303         149       1       .3357798050       74 R-5.         AIRCRAFT N504       HANGED OFF AT</td></t<></td></td<>	504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1400000000         147	504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         5154 <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         AIRCRAFT N504</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         145       1       .00001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         514       1       .5666959303         149       1       .3357798050       74 R-5.         AIRCRAFT N504       HANGED OFF AT</td></t<>	504       75       3         504       76       16         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         AIRCRAFT N504	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         145       1       .00001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         514       1       .5666959303         149       1       .3357798050       74 R-5.         AIRCRAFT N504       HANGED OFF AT
504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       16         147 <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         5154       <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         5154       <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         514       147       1         514       140       3         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       150       149         149       1       5504         149       1       5666959303       74-5.      <t< td=""></t<></td></td<></td></t<></td></t<></td></t<>	504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         5154 <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         5154       <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         514       147       1         514       140       3         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       150       149         149       1       5504         149       1       5666959303       74-5.      <t< td=""></t<></td></td<></td></t<></td></t<>	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         5154 <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         514       147       1         514       140       3         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       150       149         149       1       5504         149       1       5666959303       74-5.      <t< td=""></t<></td></td<></td></t<>	504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         514       147       1         514       140       3         514 <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       150       149         149       1       5504         149       1       5666959303       74-5.      <t< td=""></t<></td></td<>	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       150       149         149       1       5504         149       1       5666959303       74-5. <t< td=""></t<>
504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15       144 <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       <td< td=""><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1       3557798050       10       ARS         504       145       1       5666959303       70       ARS         504       145       1&lt;</td><td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       143       1       3357798050 TO AR-5.         504       147       1       3357798050 TO AR-5.         504       147       1       3357798050 TO AR-5.         504       147       1       3332774386 TO AR-5.         514       1504       14050 OFF AT       3332274386 TO AR-5.     <td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       149         149       1       550         149       1       560         149       &lt;</td></td></td<></td></t<>	504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504 <td< td=""><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1       3557798050       10       ARS         504       145       1       5666959303       70       ARS         504       145       1&lt;</td><td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       143       1       3357798050 TO AR-5.         504       147       1       3357798050 TO AR-5.         504       147       1       3357798050 TO AR-5.         504       147       1       3332774386 TO AR-5.         514       1504       14050 OFF AT       3332274386 TO AR-5.     <td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       149         149       1       550         149       1       560         149       &lt;</td></td></td<>	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1       3557798050       10       ARS         504       145       1       5666959303       70       ARS         504       145       1<	504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       143       1       3357798050 TO AR-5.         504       147       1       3357798050 TO AR-5.         504       147       1       3357798050 TO AR-5.         504       147       1       3332774386 TO AR-5.         514       1504       14050 OFF AT       3332274386 TO AR-5. <td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       149         149       1       550         149       1       560         149       &lt;</td>	504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       125       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       149         149       1       550         149       1       560         149       <
504       75       3         504       76       16         504       121       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       16         156 <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         514       146       1         147       1       1         514       140       147         1504       <t< td=""><td>504       75       3         504       76       16         504       121       1         504       123       3         504       124       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         5154       <t< td=""><td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       143       1         504       143       1         504       145       1         143       1       .000001000         504       144       1         504       143       .000001000         504       144       1         504       144       .0000010000         504       144       .0000010000</td><td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       125       3         504       126       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000010000         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         149       1       .000001000         504       149       1         149       1       .5666959303       0         149       1       .5666959303       0       AR-5.         AIRCRAF</td></t<></td></t<></td></t<>	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         514       146       1         147       1       1         514       140       147         1504 <t< td=""><td>504       75       3         504       76       16         504       121       1         504       123       3         504       124       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         5154       <t< td=""><td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       143       1         504       143       1         504       145       1         143       1       .000001000         504       144       1         504       143       .000001000         504       144       1         504       144       .0000010000         504       144       .0000010000</td><td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       125       3         504       126       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000010000         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         149       1       .000001000         504       149       1         149       1       .5666959303       0         149       1       .5666959303       0       AR-5.         AIRCRAF</td></t<></td></t<>	504       75       3         504       76       16         504       121       1         504       123       3         504       124       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         5154 <t< td=""><td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       143       1         504       143       1         504       145       1         143       1       .000001000         504       144       1         504       143       .000001000         504       144       1         504       144       .0000010000         504       144       .0000010000</td><td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       125       3         504       126       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000010000         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         149       1       .000001000         504       149       1         149       1       .5666959303       0         149       1       .5666959303       0       AR-5.         AIRCRAF</td></t<>	504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       143       1         504       143       1         504       145       1         143       1       .000001000         504       144       1         504       143       .000001000         504       144       1         504       144       .0000010000         504       144       .0000010000	504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       125       3         504       126       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000010000         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         149       1       .000001000         504       149       1         149       1       .5666959303       0         149       1       .5666959303       0       AR-5.         AIRCRAF
504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14       16 <td< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         145       &lt;</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         1504       &lt;</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .00001000         504       145       1         504       147       1         504       145       1         504       147       1         504       145       1         504       147       1         504       145       1         149       1       .33957790150         504       149       1         149       1       .338277930170         504       149       1         514       1       .731260714      &lt;</td></td<></td></td<>	504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         145       <	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         1504       <	504       75       3         504       76       16         504       121       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514       147       1         514       147       1         514       147       1         514 <td< td=""><td>504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .00001000         504       145       1         504       147       1         504       145       1         504       147       1         504       145       1         504       147       1         504       145       1         149       1       .33957790150         504       149       1         149       1       .338277930170         504       149       1         514       1       .731260714      &lt;</td></td<>	504       75       3         504       76       16         504       120       1         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .00001000         504       145       1         504       147       1         504       145       1         504       147       1         504       145       1         504       147       1         504       145       1         149       1       .33957790150         504       149       1         149       1       .338277930170         504       149       1         514       1       .731260714      <
504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         1504 <t< td=""><td>504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         145       <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16         <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<></td></t<></td></t<>	504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         145 <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16         <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<></td></t<>	504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16 <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<>	504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514 <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<>	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714 <t< td=""></t<>
504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         1504 <t< td=""><td>504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15       144         <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514       150       3857798050         514       147       1         514</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000010000 IN ER-S.         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         149       1       .3357790150 TO AR-3.         504       149       1       .3357790100 TO AR-5.         AIRCRAFT N504 HANDED OFF AT       .7371260714 TO SFO       .731256074 NA-5.         AIRCRAFT N504 CHANGED PHASE AT       &lt;</td></t<></td></t<></td></t<>	504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147 <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15       144         <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514       150       3857798050         514       147       1         514</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000010000 IN ER-S.         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         149       1       .3357790150 TO AR-3.         504       149       1       .3357790100 TO AR-5.         AIRCRAFT N504 HANDED OFF AT       .7371260714 TO SFO       .731256074 NA-5.         AIRCRAFT N504 CHANGED PHASE AT       &lt;</td></t<></td></t<>	504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15       144 <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514       150       3857798050         514       147       1         514</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000010000 IN ER-S.         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         149       1       .3357790150 TO AR-3.         504       149       1       .3357790100 TO AR-5.         AIRCRAFT N504 HANDED OFF AT       .7371260714 TO SFO       .731256074 NA-5.         AIRCRAFT N504 CHANGED PHASE AT       &lt;</td></t<>	504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514       150       3857798050         514       147       1         514	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000010000 IN ER-S.         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         149       1       .3357790150 TO AR-3.         504       149       1       .3357790100 TO AR-5.         AIRCRAFT N504 HANDED OFF AT       .7371260714 TO SFO       .731256074 NA-5.         AIRCRAFT N504 CHANGED PHASE AT       <
504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         1504 <t< td=""><td>504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         145       <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16         <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<></td></t<></td></t<>	504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         145 <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16         <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<></td></t<>	504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16 <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<>	504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514 <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<>	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714 <t< td=""></t<>
504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         1504 <t< td=""><td>504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         145       <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16         <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<></td></t<></td></t<>	504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         145 <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16         <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<></td></t<>	504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16 <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<>	504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514 <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<>	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714 <t< td=""></t<>
504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         1504 <t< td=""><td>504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         145       <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16         <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<></td></t<></td></t<>	504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         145 <t< td=""><td>504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16         <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<></td></t<>	504       75       3         504       76       16         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       16 <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514       <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<></td></t<>	504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         514       147       1         514       147       1         514 <td< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714      <t< td=""></t<></td></td<>	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         143       1       .000001000         504       145       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       149       1         514       1       .3357790150         149       1       .33527795170         149       1       .731260714 <t< td=""></t<>
504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       128       3         504       128       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15       144 <t< td=""><td>504       75       3         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1400000000         149</td><td>504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         145       <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       148       5666959303       70 AR-5.</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         145       1       .000001000 IN ER-S.         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       147       1         504       149       1         504       150       149         150       150       1731260714         504       150       733227430510</td></t<></td></t<>	504       75       3         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1400000000         149	504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         145 <t< td=""><td>504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       148       5666959303       70 AR-5.</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         145       1       .000001000 IN ER-S.         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       147       1         504       149       1         504       150       149         150       150       1731260714         504       150       733227430510</td></t<>	504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       148       5666959303       70 AR-5.	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         145       1       .000001000 IN ER-S.         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       147       1         504       149       1         504       150       149         150       150       1731260714         504       150       733227430510
504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       128       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         1504       <	504       75       3         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1400000000         149	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         1504	504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514       147       1         514       147       1         AIRCRAFT N504	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .00001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         149       1       .3357790050         1504       150       .335277456714         AIRCRAFT N504       HANDED OFF AT       .335277456174         AIRCRAFT N504       HANGED PHASE       .335277456670         AI
504       75       3         504       76       16         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       128       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         1504       <	504       75       3         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1400000000         149	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         1504	504       75       3         504       76       16         504       120       1         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         514       147       1         514       147       1         AIRCRAFT N504	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .00001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         149       1       .3357790050         1504       150       .335277456714         AIRCRAFT N504       HANDED OFF AT       .335277456174         AIRCRAFT N504       HANGED PHASE       .335277456670         AI
504       75       3         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         &lt;</td><td>504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT<!--</td--></td></td<>	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         <	504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT </td
504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       100       1         504       121       3         504       123       3         504       123       3         504       123       3         504       125       3         504       125       3         504       125       3         504       126       3         504       127       3         504       126       3         504       128       3         504       128       3         504       128       3         504       128       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         514       146       1         514       146       1         514       146       1         514       146       147         1504</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       167         &lt;</td><td>504       75       3         504       100       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         514       <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       1         514       <td< td=""></td<></td></t<></td></td<>	504       75       3         504       100       1         504       121       3         504       123       3         504       123       3         504       123       3         504       125       3         504       125       3         504       125       3         504       126       3         504       127       3         504       126       3         504       128       3         504       128       3         504       128       3         504       128       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         514       146       1         514       146       1         514       146       1         514       146       147         1504	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       167         <	504       75       3         504       100       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         514 <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       1         514       <td< td=""></td<></td></t<>	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       1         514 <td< td=""></td<>
504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       100       1         504       121       3         504       123       3         504       123       3         504       123       3         504       125       3         504       125       3         504       125       3         504       126       3         504       127       3         504       126       3         504       128       3         504       128       3         504       128       3         504       128       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         514       146       1         514       146       1         514       146       1         514       146       147         1504</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       167         &lt;</td><td>504       75       3         504       100       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         514       <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       1         514       <td< td=""></td<></td></t<></td></td<>	504       75       3         504       100       1         504       121       3         504       123       3         504       123       3         504       123       3         504       125       3         504       125       3         504       125       3         504       126       3         504       127       3         504       126       3         504       128       3         504       128       3         504       128       3         504       128       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         514       146       1         514       146       1         514       146       1         514       146       147         1504	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       167         <	504       75       3         504       100       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         514 <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       1         514       <td< td=""></td<></td></t<>	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       1         514 <td< td=""></td<>
504       75       3         504       10       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       100       1         504       121       3         504       123       3         504       123       3         504       123       3         504       125       3         504       125       3         504       125       3         504       126       3         504       127       3         504       126       3         504       128       3         504       128       3         504       128       3         504       128       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         514       146       1         514       146       1         514       146       1         514       146       147         1504</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       167         &lt;</td><td>504       75       3         504       100       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         514       <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       1         514       <td< td=""></td<></td></t<></td></td<>	504       75       3         504       100       1         504       121       3         504       123       3         504       123       3         504       123       3         504       125       3         504       125       3         504       125       3         504       126       3         504       127       3         504       126       3         504       128       3         504       128       3         504       128       3         504       128       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         514       146       1         514       146       1         514       146       1         514       146       147         1504	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       167         <	504       75       3         504       100       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         514 <t< td=""><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       1         514       <td< td=""></td<></td></t<>	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       1         514 <td< td=""></td<>
504       75       3         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         &lt;</td><td>504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT<!--</td--></td></td<>	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         <	504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT </td
504       75       3         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         &lt;</td><td>504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT<!--</td--></td></td<>	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         <	504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT </td
504       75       3         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         &lt;</td><td>504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT<!--</td--></td></td<>	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         <	504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT </td
504       75       3         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         &lt;</td><td>504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT<!--</td--></td></td<>	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         <	504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT </td
504       75       3         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         &lt;</td><td>504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT<!--</td--></td></td<>	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         <	504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT </td
504       75       3         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514</td><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         &lt;</td><td>504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504</td><td>504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT<!--</td--></td></td<>	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         514	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145       147         <	504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       147       1         504       147       1         504       149       1         504	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         143       1       .000001000         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         614       1       .3357790050         149       1       .335274930510       0 AR-5.         AIRCRAFT N504       HANGED OFF AT </td
504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         156 <td< td=""><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       147       1         504</td><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         147       1       3355793050         149</td><td>504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       128       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       143       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       140       167         147       <t< td=""><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       143       1         504       149       1         614       150       335779050170         149       1       7312260714       7010401     <!--</td--></td></t<></td></td<>	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       147       1         504       143       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       147       1         504	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         147       1       3355793050         149	504       75       3         504       10       1         504       120       1         504       123       3         504       124       3         504       124       3         504       126       3         504       128       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       143       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       140       167         147 <t< td=""><td>504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       143       1         504       149       1         614       150       335779050170         149       1       7312260714       7010401     <!--</td--></td></t<>	504       75       3         504       76       16         504       121       1         504       123       3         504       123       3         504       124       3         504       125       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       143       1         504       149       1         614       150       335779050170         149       1       7312260714       7010401 </td
504       75       3         504       10       1         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       128       3         504       147       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       1	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       1	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       128       3         504       127       3         504       128       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15         504       145       14         504 <td< td=""><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       148       148         1504       &lt;</td><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       335779050170         504       150       733627446         A</td></td<>	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       148       148         1504       <	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       124       3         504       124       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       335779050170         504       150       733627446         A
504       75       3         504       101       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       145       1         504       147       1         504       145       14         149 <t< td=""><td>504       75       3         504       101       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       149       147         149       &lt;</td><td>504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14       16         <td< td=""><td>504       75       3         504       101       1         504       103       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       143       1         504       147       1         504       143       1         504       143       1         504       143       146         145       &lt;</td><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       385779050174         504       150       385779050170         504       150       38327439610      <t< td=""></t<></td></td<></td></t<>	504       75       3         504       101       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       128       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       149       147         149       <	504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14       16 <td< td=""><td>504       75       3         504       101       1         504       103       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       143       1         504       147       1         504       143       1         504       143       1         504       143       146         145       &lt;</td><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       385779050174         504       150       385779050170         504       150       38327439610      <t< td=""></t<></td></td<>	504       75       3         504       101       1         504       103       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       143       1         504       147       1         504       143       1         504       143       1         504       143       146         145       <	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       385779050174         504       150       385779050170         504       150       38327439610 <t< td=""></t<>
504       75       3         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1400000000         504	504       75       3         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       143       1         504       143       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         149       <	504       75       3         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       140       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         149       <	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         1504       <	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       3857790305         614       150       385779010         614       151       33827743610
504       75       3         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1400000000         504	504       75       3         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       143       1         504       143       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         149       <	504       75       3         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       140       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       145         149       <	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         1504       <	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       3857790305         614       150       385779010         614       151       33827743610
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126         504       126         504       126         504       127         504       128         504       128         504       128         504       128         504       145         1       1         504       143         143       1         504       145         145       1         504       147         147       1         504       147         147       1         504       147         147       1         504       149         147       1         504       147         147       1         504       149         147       1         504       149         149       1         504       1490<td>504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       147       1         <td< td=""><td>504       75       3         504       10       1         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         504       <td< td=""><td>504       75       3         504       10       1         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       150       385779050174         504       150       385779013070         <t< td=""></t<></td></td<></td></td<></td></td></td<>	504       75       3         504       101         504       121         504       123         504       123         504       124         504       126         504       126         504       126         504       126         504       127         504       128         504       128         504       128         504       128         504       145         1       1         504       143         143       1         504       145         145       1         504       147         147       1         504       147         147       1         504       147         147       1         504       149         147       1         504       147         147       1         504       149         147       1         504       149         149       1         504       1490 <td>504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       147       1         <td< td=""><td>504       75       3         504       10       1         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         504       <td< td=""><td>504       75       3         504       10       1         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       150       385779050174         504       150       385779013070         <t< td=""></t<></td></td<></td></td<></td>	504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       147       1 <td< td=""><td>504       75       3         504       10       1         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         504       <td< td=""><td>504       75       3         504       10       1         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       150       385779050174         504       150       385779013070         <t< td=""></t<></td></td<></td></td<>	504       75       3         504       10       1         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         504 <td< td=""><td>504       75       3         504       10       1         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       150       385779050174         504       150       385779013070         <t< td=""></t<></td></td<>	504       75       3         504       10       1         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       150       385779050174         504       150       385779013070 <t< td=""></t<>
504       75       3         504       101       1         504       121       3         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504 <td< td=""><td>504       75       3         504       101         504       121         504       123         504       123         504       124         504       126         504       126         504       126         504       126         504       127         504       128         504       128         504       128         504       128         504       145         1       1         504       143         143       1         504       145         145       1         504       147         147       1         504       147         147       1         504       147         147       1         504       149         147       1         504       147         147       1         504       149         147       1         504       149         149       1         504       1490<td>504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       147       1         <td< td=""><td>504       75       3         504       10       1         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         504       <td< td=""><td>504       75       3         504       10       1         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       150       385779050174         504       150       385779013070         <t< td=""></t<></td></td<></td></td<></td></td></td<>	504       75       3         504       101         504       121         504       123         504       123         504       124         504       126         504       126         504       126         504       126         504       127         504       128         504       128         504       128         504       128         504       145         1       1         504       143         143       1         504       145         145       1         504       147         147       1         504       147         147       1         504       147         147       1         504       149         147       1         504       147         147       1         504       149         147       1         504       149         149       1         504       1490 <td>504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       147       1         <td< td=""><td>504       75       3         504       10       1         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504    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      504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       150       385779050174         504       150       385779013070         <t< td=""></t<></td></td<></td></td<></td>	504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       147       1 <td< td=""><td>504       75       3         504       10       1         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         504       <td< td=""><td>504       75       3         504       10       1         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       150       385779050174         504       150       385779013070         <t< td=""></t<></td></td<></td></td<>	504       75       3         504       10       1         504       10       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         504 <td< td=""><td>504       75       3         504       10       1         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       150       385779050174         504       150       385779013070         <t< td=""></t<></td></td<>	504       75       3         504       10       1         504       10       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       150       385779050174         504       150       385779013070 <t< td=""></t<>
504       75       3         504       101       1         504       121       3         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1400000000         504	504       75       3         504       101         504       121         504       123         504       123         504       124         504       126         504       126         504       126         504       126         504       127         504       128         504       128         504       128         504       128         504       142         143       1         504       143         504       143         143       1         504       147         1504       147         149       1         504       147         149       1         504       149         147       1         504       149         149       1         504       149         149       1         504       149         149       1         AIRCRAFT N504       HANDED OFF AI         AIRCRAFT N504       CHANGED PHASE <td>504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       <td< td=""><td>504       75       3         504       10       1         504       101       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         1504       &lt;</td><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       3857798033         614       150       3857798033         614       150       38577980714</td></td<></td>	504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504 <td< td=""><td>504       75       3         504       10       1         504       101       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         1504       &lt;</td><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       3857798033         614       150       3857798033         614       150       38577980714</td></td<>	504       75       3         504       10       1         504       101       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         1504       <	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       3857798033         614       150       3857798033         614       150       38577980714
504       75       3         504       101       1         504       121       3         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       143       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1400000000         504	504       75       3         504       101         504       121         504       123         504       123         504       124         504       126         504       126         504       126         504       126         504       127         504       128         504       128         504       128         504       128         504       142         143       1         504       143         504       143         143       1         504       147         1504       147         149       1         504       147         149       1         504       149         147       1         504       149         149       1         504       149         149       1         504       149         149       1         AIRCRAFT N504       HANDED OFF AI         AIRCRAFT N504       CHANGED PHASE <td>504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       <td< td=""><td>504       75       3         504       10       1         504       101       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         1504       &lt;</td><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       3857798033         614       150       3857798033         614       150       38577980714</td></td<></td>	504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504 <td< td=""><td>504       75       3         504       10       1         504       101       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         1504       &lt;</td><td>504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       3857798033         614       150       3857798033         614       150       38577980714</td></td<>	504       75       3         504       10       1         504       101       1         504       121       1         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       149         1504       <	504       75       3         504       10       1         504       121       1         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       150       3857798033         614       150       3857798033         614       150       38577980714
504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504 <td< td=""><td>504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       128       3         504       128       3         504       128       3         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       <td< td=""><td>504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         149       <t< td=""><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       146       1         504       1</td><td>504       75       3         504       10       1         504       121       1         504       123       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       357730050         149       1       566695933       10         504       153       38277430510       0         AIRCRAFT       7504</td></t<></td></td<></td></td<>	504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       128       3         504       128       3         504       128       3         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504 <td< td=""><td>504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         149       <t< td=""><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       146       1         504       1</td><td>504       75       3         504       10       1         504       121       1         504       123       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       357730050         149       1       566695933       10         504       153       38277430510       0         AIRCRAFT       7504</td></t<></td></td<>	504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         149 <t< td=""><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       146       1         504       1</td><td>504       75       3         504       10       1         504       121       1         504       123       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       357730050         149       1       566695933       10         504       153       38277430510       0         AIRCRAFT       7504</td></t<>	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       146       1         504       1	504       75       3         504       10       1         504       121       1         504       123       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       357730050         149       1       566695933       10         504       153       38277430510       0         AIRCRAFT       7504
504       75       3         504       101       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14       1000001000	504       75       3         504       10       1         504       121       3         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       142       1         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504	504       75       3         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         147 <t< td=""><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       38357798050         AIRCRAFT N504       HANDED OFF AT       .38357793650         AIRCRAFT N504       HANGED PFASE       .3333227438610         AIRCRAFT N504</td><td>504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       3357739050         149       1       566995933       10 AR-5.         AIRCRAFT N504       HANDED OFF AT       737260714       70 AR-5.         AIR</td></t<>	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       38357798050         AIRCRAFT N504       HANDED OFF AT       .38357793650         AIRCRAFT N504       HANGED PFASE       .3333227438610         AIRCRAFT N504	504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       3357739050         149       1       566995933       10 AR-5.         AIRCRAFT N504       HANDED OFF AT       737260714       70 AR-5.         AIR
504       75       3         504       10       1         504       101       1         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       128       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         731565059303	504       75       3         504       10       1         504       101       1         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       1	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       3857798050         153       147       1         504       153       38577430610         AIRCRAFT N504       HANDED OFF AT       338527439610	504       75       3         504       10       1         504       121       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       33827743010         AIRCRAFT N504       HANDED OFF AT       777776
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       504       128       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       16         147       <t< td=""><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       3857798050         147       1       3857798050         147       1       5064         147       1       5064         14</td><td>504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       335779050170         614       15       336274450510         <td< td=""></td<></td></t<></td></t<>	504       75       3         504       101       1         504       121       3         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       16         147 <t< td=""><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       3857798050         147       1       3857798050         147       1       5064         147       1       5064         14</td><td>504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         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  3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       335779050170         614       15       336274450510 <td< td=""></td<>
504       75       3         504       101       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14       1000001000	504       75       3         504       10       1         504       121       3         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       142       1         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504	504       75       3         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         147 <t< td=""><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       38357798050         AIRCRAFT N504       HANDED OFF AT       .38357793650         AIRCRAFT N504       HANGED PFASE       .3333227438610         AIRCRAFT N504</td><td>504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       3357739050         149       1       566995933       10 AR-5.         AIRCRAFT N504       HANDED OFF AT       737260714       70 AR-5.         AIR</td></t<>	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       38357798050         AIRCRAFT N504       HANDED OFF AT       .38357793650         AIRCRAFT N504       HANGED PFASE       .3333227438610         AIRCRAFT N504	504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       3357739050         149       1       566995933       10 AR-5.         AIRCRAFT N504       HANDED OFF AT       737260714       70 AR-5.         AIR
504       75       3         504       101       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14       1000001000	504       75       3         504       10       1         504       121       3         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       142       1         504       143       1         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504	504       75       3         504       101       1         504       121       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         147 <t< td=""><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       38357798050         AIRCRAFT N504       HANDED OFF AT       .38357793650         AIRCRAFT N504       HANGED PFASE       .3333227438610         AIRCRAFT N504</td><td>504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       3357739050         149       1       566995933       10 AR-5.         AIRCRAFT N504       HANDED OFF AT       737260714       70 AR-5.         AIR</td></t<>	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       38357798050         AIRCRAFT N504       HANDED OFF AT       .38357793650         AIRCRAFT N504       HANGED PFASE       .3333227438610         AIRCRAFT N504	504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       3357739050         149       1       566995933       10 AR-5.         AIRCRAFT N504       HANDED OFF AT       737260714       70 AR-5.         AIR
504       75       3         504       10       1         504       101       1         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       128       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         731565059303	504       75       3         504       10       1         504       101       1         504       121       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       1	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       3857798050         153       147       1         504       153       38577430610         AIRCRAFT N504       HANDED OFF AT       338527439610	504       75       3         504       10       1         504       121       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       15       33827743010         AIRCRAFT N504       HANDED OFF AT       777776
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128       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         735050505303</td><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       1         504       153       1         504       153       1         504       153       14000         154       &lt;</td><td>504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       1         504       143       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       16         149       <td< td=""></td<></td></td<></td></td<>	504       75       3         504       101       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       143       1         504       143       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504 <td< td=""><td>504       75       3         504       10       1         504       101       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         735050505303</td><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       1         504       153       1         504       153       1         504       153       14000         154       &lt;</td><td>504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       1         504       143       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       16         149       <td< td=""></td<></td></td<>	504       75       3         504       10       1         504       101       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       14         735050505303	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       1         504       153       1         504       153       1         504       153       14000         154       <	504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       1         504       143       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       16         149 <td< td=""></td<>
504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       128       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       142       1         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       1	504       75       3         504       10       1         504       121       1         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       153       0.00001000         AIRCRAFT N	504       75       3         504       10       1         504       10       1         504       121       3         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       127       3         504       142       1         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       16         147	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       153       3355798050         153       149       1         504       147       1         154	504       75       3         504       101       1         504       121       1         504       121       3         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       143       1         504       143       166         149       <
504       75       3         504       100       1         504       121       3         504       121       3         504       123       3         504       123       3         504       125       3         504       125       3         504       126       3         504       127       3         504       127       3         504       128       3         504       128       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       149       1         504       149       1         504       149       1         504       149       1         514       149       1         514       149       1         514       149       1         514       149       1         514       149       147         154       <	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       123       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         149       1       3         150       1	504       75       3         504       10       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       142       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       15666959303         147       1       1         AIRCRAFT N5	504       75       3         504       100       1         504       121       1         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       15       33357798050         147       1       5666999303       70         504       149       1       566	504       75       3         504       101       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         614       15       33827793050         700000100
504       75       3         504       76       16         504       121       3         504       121       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       128       3         504       127       3         504       128       3         504       127       3         504       147       1         504       145       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         51       149       1         51       149       1         147       1       504         147       1       504         149       1	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       153       1         514       149       1         5164 <t< td=""><td>504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       146       1         504       146       1         504       1</td><td>504       75       3         504       100       1         504       101       1         504       121       3         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       149       1         504       149       1         504       149       1         504       <td< td=""><td>504       75       3         504       101       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       15       33827439610         AIRCRAFT N504       HANDED OFF AT       73322743617     </td></td<></td></t<>	504       75       3         504       10       1         504       10       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       145       1         504       145       1         504       145       1         504       145       1         504       146       1         504       146       1         504       1	504       75       3         504       100       1         504       101       1         504       121       3         504       121       3         504       123       3         504       124       3         504       124       3         504       124       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       147       1         504       149       1         504       149       1         504       149       1         504 <td< td=""><td>504       75       3         504       101       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       15       33827439610         AIRCRAFT N504       HANDED OFF AT       73322743617     </td></td<>	504       75       3         504       101       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       15       33827439610         AIRCRAFT N504       HANDED OFF AT       73322743617
504       75       3         504       76       16         504       121       1         504       121       3         504       123       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       147       1         504       149       100000000         153       149       1         147       1       5504         149	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       123       3         504       123       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       149       1         504       145       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       153       0.00001000         AIRCRAFT<	504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       147       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       147       1         504       147       1         504       146       1         514       1504       338274386       0	504       75       3         504       100       1         504       100       1         504       121       3         504       121       3         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504 <td< td=""><td>504       75       3         504       10       1         504       101       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       16         149       <td< td=""></td<></td></td<>	504       75       3         504       10       1         504       101       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       16         149 <td< td=""></td<>
504       75       3         504       76       16         504       121       1         504       121       3         504       123       3         504       123       3         504       123       3         504       126       3         504       126       3         504       126       3         504       127       3         504       128       3         504       128       3         504       128       3         504       147       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       147       1         504       149       100000000         153       149       1         147       1       5504         149	504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       123       3         504       123       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       127       3         504       149       1         504       145       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504       153       0.00001000         AIRCRAFT<	504       75       3         504       101       1         504       101       1         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       147       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       145       1         504       145       1         504       147       1         504       147       1         504       146       1         514       1504       338274386       0	504       75       3         504       100       1         504       100       1         504       121       3         504       121       3         504       123       3         504       124       3         504       124       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         504       149       1         504       149       1         504       149       1         504       149       1         504 <td< td=""><td>504       75       3         504       10       1         504       101       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       16         149       <td< td=""></td<></td></td<>	504       75       3         504       10       1         504       101       1         504       121       3         504       121       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       142       1         504       143       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       145       1         504       149       1         504       149       1         504       149       16         149 <td< td=""></td<>
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504       75       3         504       76       16         504       121       3         504       123       3         504       123       3         504       123       3         504       124       3         504       126       3         504       126       3         504       126       3         504       127       3         504       127       3         504       127       3         504       127       3         504       145       1         504       145       1         504       145       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       147       1         504       149       1         71504       100001000       10 ars.         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MA61       74       2         WA61       75       2         WA61       75       2         WA61       75       23         WA61       124       3         Ha61       127       3         Alscraft       Ha61       Ha05         Alscraft       Ha51       Ha050000         Alscraft       Ha51       Ha050         Alscraft       Ha51       Ha5232719       To SF0         Alscraft       Ha51       Ha050       Ha52       Ha50         Alscraft       Ha51       Ha050       Ha52       Ha532       Ha50         Alscraft       Ha51       Ha52       H	WA61	73 2			
M61       75       2         WA61       124       3         WA61       124       3         WA61       124       3         WA61       126       3         MA61       127       3         MA61       127       3         AIRCRAFT WA61       HANDEO OFF AT       1.1400000000 IN ER-N.         AIRCRAFT WA61       HANDEO OFF AT       1.5565904445 TO AR-5.         AIRCRAFT WA61       HANDEO OFF AT       1.4000000000 TO ARCIVAL FRANSITION.         AIRCRAFT WA61       HANDEO OFF AT       1.6595322719 TO SFO         AIRCRAFT WA61       HANDEO OFF AT       1.4000000000 TO ARCIVAL FRANSITION.         AIRCRAFT WA61       HANDEO OFF AT       1.4000000000 TO ARCIVAL FRANSITION.         AIRCRAFT WA61       HANDEO OFF AT       1.4000000000 TO ARCIVAL FRANSITION.         AIRCRAFT WA61       HANGEO PHASE       1.1400000000 TO ARCIVAL FRANSITION.         AIRCRAFT WA61       CANGELLED AT       1.6529155576 IN SFO          MA7	<b>WA61</b>	74 2			• •
MA61       76       23         MA61       121       3         HA61       123       3         HA61       123       3         HA61       123       3         HA61       127       3         AIRCRAFT WA61 ENTERED AT       1140000000 IN ER-N.         AIRCRAFT WA61 HANDED OFF AT       1.3610123145 TO AR-S.         AIRCRAFT WA61 HANDED OFF AT       1.3610123145 TO AR-S.         AIRCRAFT WA61 HANDED OFF AT       1.5365904445 TO AR-S.         AIRCRAFT WA61 HANDED OFF AT       1.53065139912 TO AR-S.         AIRCRAFT WA61 CHANCED PHASE AT       1.15392012 10 SFO S.         AIRCRAFT WA61 CHANCED PHASE AT       1.15392012 10 SFO S.         AIRCRAFT WA61 CHANCED PHASE AT       1.5326214 900 TO ARRIVAL FRANSITION.         AIRCRAFT WA61 CHANCED PHASE AT       1.53065139912 TO APPROACH.         AIRCRAFT WA61 CHANCED PHASE AT       1.6529155576 IN SFO .         AIRCRAFT WA61 CANCE	<b>WA61</b>	2. 51			
M61       121       3         Wa61       123       3         Wa61       125       3         Wa61       125       3         Wa61       125       3         Wa61       127       3         Ma61       127       3         AlcCasf       Ma61       Handle OFF AT         Alscraft       Ma51       CHANGED PHASE         Alscraft       Ma51       Handle OFF AT	WA61	76 23			
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16 LANDINGS, 17.476 LANDINGS/HOUR.

23 TOTAL AIRCRAFT PROCESSED.

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Page 7.1-1

#### 7.0 ERROR AND WARNING MESSAGES

## 7.1 INTRODUCTION

There are four types of messages which a user might receive using the DELTA simulation: operating system, Fortran, SALSIM and DELTA. The first two types are CDC standard messages which are not unique to DELTA. Operating system messages are displayed in the user dayfile and are usually self-explanatory - e.g., "TIME LIMIT" indicates that the user did not specify sufficient run time in the MAXTIM parameter card. Descriptions of these messages can be found in the CDC SCOPE Reference Manual.

Fortran diagnostics will usually occur from incorrect data setups. These messages will be displayed in the TAPE 6 output file and will usually list the offending input and give a brief description of the error. Descriptions of these messages can be found in the CDC FORTRAN Reference Manual, CDC #60174900.

The remaining diagnostics are generated either by the SALSIM utility routines or by the DELTA routines. These are described in the following sections. .

## 7.2 SALSIM DIAGNOSTIC

The SALSIM utilities perform a variety of data checks to ensure the proper execution of the software. If an error is detected, a message is printed and execution is terminated by calling the ABORTT routine. These messages are described below along with the routine which writes the message.

7.2.1 CREATE Diagnostics

\*\*AVAILABLE MEMRY PTRS ALTERED TIME= REQUEST=

A check is made to see if IV(1) = 3. This value is usually altered by the use of a subscripted variable with a subscript which has not been set prior to use and is equal to zero.

\*\*MEMORY REQUEST IS TOO LARGE. TIME= REQUEST=

This message will occur if the requested length for a block of dynamic memory is zero or exceeds MDESX.

\*\*MEMORY CAPACITY EXCEEDED AT TIME= REQUEST=

This is the most likely message to be received. It indicates that the dynamic memory provided for this run is too small. The user must expand the dimension of IV by recompiling the MAIN routine and set the MAXKXX value on the SALSIM specification card to the new dimension of IV.

7.2.2 DESTRO Diagnostics

\*\*ILLEGAL DESTROY PARAMETER LOC= LENGTH= TIME=

Either LOC and/or LENGTH are zero.

7.2.3 CAUSE Diagnostics

\*\* NON ZERO SUCCESSOR IN CAUSE

The first word of an event notice to be processed by CAUSE should be zero.

Page 7.2-2

# 7.2.4 FILE Diagnostics

\*\*NON ZERO SUCCESSOR IN FILE

The member to be filed has a successor - i.e., the first word of its event notice is non-zero.

# 7.2.5 RSPEC Diagnostics

\*\*RESPEC ARGUMENT IS NOT MEMBER OF SET

The pointer to the member to be removed is not part of the specified set.

Page 7.3-1

#### 7.3 DELTA DIAGNOSTICS MESSAGES

The DELTA model contains a large number of both diagnostics (messages preceeding calls to Subroutine ABØRTT) and warning messages. The more likely to occur are described below. The others are self descriptive and are not expected to occur unless the code is altered. All messages are written to TAPE 6.

### 7.3.1 ABØRTT Diagnostics

\*\*ABØRTT CALLED AT time

TASK lcc number EVENT event notice pointer AND ERRØR error number STØP RUN.

Any time ABØRTT is called, this message is output. The SALSIM routines generate different error numbers, the DELTA diagnostics do not set this parameter.

### IV(1:20)

If ABØRTT is called for error type 3 (see first diagnostic for CREATE, 7.2.1), the first twenty words of the IV array are written out in octal format.

## 7.3.2 ACT4 Messages

IN ACT4 AIRCRAFT aircraft id IS CANCELED AT time.

When an aircraft reaches the end of its time/position queue (flight plan), this message is written. It is a warning message, useful in keeping track of the aircraft.

#### 7.3.3 ALLØC Messages

# IN ALLØC EVENT DESTRØYED

After an aircraft is canceled, the tasks being performed for it must be stopped. Those being pulled from queues or parts of chains are found by tests in ALLØC utility and this warning message generated each time one is found.

Page 7.3-2

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#### 7.3.4 BNDRY Messages

A/C aircraft id LEAVES SYSTEM AT x,y,z-coordinates THRU\* ØF floor ceiling jurisdiction id TIME time

When an aircraft crosses out of the jurisdictions being modelled, this message is written. The aircraft will be canceled at the time shown. This is a warning message.

ERRØR IN BNDRY, EXIT PØINT NØT FØUND.

A/C aircraft id AT location and velocity IN jurisdiction id

This warning message is written when an aircraft is not in the jurisdiction indicated in its AIRCRAFT FILE. An attempt is made to find the correct jurisdiction. This warning may be used to detect aircraft which are input in the wrong jurisdiction either due to errors in x, y or z coordinates or jurisdiction id.

7.3.5 CRASH Messages

ERRØR IN CRASH. LØØK-AHEAD BEYØND NEXT FIXED PØINT NØW, BUT THERE ARE NØ MØRE FIXED PØINTS. TIME = time

ID = aircraft id

When a non-landing aircraft is approaching the final fixed point of its time/position queue (flight plan), this message is output. It is a warning message, providing status information.

7,3.6 ELIST Message

EL lcc number EXØG time

This message is output for each exogenous event.

\*\*ERRØR IN ELIST\*\*

TIME time

TASK lcc number, function, task number

TASK PØINTER pointer to event notice

This is an error message which results when an erroneous lcc is triggered. It is followed by a call to ABØRTT.
### 7.3.7 INITIA Messages

number of errors JURISDICTION BOUNDRY ERRORS FOUND IN INITIA

If there are an inconsistancies found in the jurisdiction definitions this message is written and ABØRTT is called. While these tests are capable of finding many types of errors, they are not fool proof, so BNDRY and associated routines contain other tests of consistancy which are not described here. These INITIA tests are primarily to detect bad mnemonics.

#### 7.3.8 METSEQ Messages

A/C aircraft id IN METSEQ HAS BAD FF ØR RW ff number, rw number If METSEQ detects a non-positive feeder fix number or a nonpositive runway number, this message is written and ABØRTT called. This

diagnostic may be generated if a non-landing aircraft contains sufficient data to get past other tests. It may be corrected by modifying the input time/position queues final fix point or departure runway.

A/C aircraft id HAS FFIX ERRØR

This diagnostic is generated if either the feeder fix number is greater than the number of feeder fixes in TAPE 30 or no feeder fix is found at the same location as the final fix point in the time position queue. In the latter case, the entire set of feeder fixes has been searched and no match could be found. A distance tolerance of  $10^{-6}$  nmi is used. In either case, ABØRTT is called after the message is written.

TERMINAL PØINTER ERRØR A/C aircraft id

This diagnostic is generated when the destination of a landing aircraft contains a non-positive value. The destination is set in T03000 from an input mnemonic. This error results in the calling of ABØRTT. The use of an incorrect destination mnemonic would be the cause of this error. The destination of an aircraft expected to land within the model constraints must have a mnemonic which identifies a terminal jurisdiction. Similarly, a departing aircraft with an invalid originating jurisdiction will cause this error.

## A/C aircraft id HAS RUNWAY ERRØR

This diagnostic is generated if an arrival or departure runway number greater than the terminal's number of runways. This error causes ABØRTT to be called.

### 7.3.9 MØVAC Messages

While MØVAC contains several diagnostic messages and error traps, they are self-explanatory in content and need not be listed here. Consult a subroutine listing for more information.

## 7.3.10 T03000 Messages

AIRCRAFT aircraft id CANNØT BE ADDED IN F3.0

This message denoted the failure of an Aircraft Data File being input to pass one of the following tests:

a) the number of fix points is less than two - hence the time/ position queue is incomplete; b) the aircraft id is redundent with another aircraft currently in the system; or c) either the originating jurisdiction, the aircraft type or the phase of flight is invalid. The message is only a warning, though other problems, especially I/O errors may terminate the run. The aircraft and its time/position queue are eliminated from the system.

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### 8.0 TERMINAL GENERATION PROGRAM

### 8.1 INTRODUCTION

Program DSKWRT reads input cards and writes the off-line random access (mass storage) disk file used in the METSEQ subroutine of the DELTA model to read in sequence route information for the terminals. Subroutine ESCRT is called by DSKWRT to write escape route information for missed approaches onto the disk file.

The output of Program DSKWRT is written on the disk file, TAPE30. DSKWRT first reads the number of terminals from the file SFØTERM on TAPE2, then reads the terminal mnemonic and the number of runways. Subroutine ESCRT is called to process escape route data, and the error switch is checked before further processing of DSKWRT. The sequence route records and feeder fix records are written after all feeder fix data has been read, and the number of records written on TAPE30 is used in writing the terminal record. At the completion of processing terminal information, the terminal mnemonic and pointer are displayed for the user before completion of execution. This pointer is input for the IDSKRW variable. See Page 3.3-12.

The escape route data on the file ESCAPE is read by Subroutine ESCRT on TAPE3. This routine writes the escape route records and the escape record which contains starting points of each escape route.

The following sections describe the input specification of TAPE2 and TAPE3 and give the values used in the SFO runs.

Figure 8.1-1 illustrates the run procedures and the generated outputs.

Page 8.1-2

## FIGURE 8.1-1. PROCEDURES FOR RUNNING TERMINAL GENERATION PROGRAM ON CDC 6X00/TSS

[GET, DSK, ACCØUNT = EB54195

Notes

File DSK contains Program DSKWRT and Subroutine ESCRT(IESW)

Tape 2 - input data to DSKWRT

Tape 3 - input data to ESCRT

Load and execute DSKWRT

Program output written by system

Places output on permanent storage under the file name DSK30

[GET, TAPE2 = SFØTERM, ACCØUNT = CA66028 [GET, TAPE3 = ESCAPE, ACCOUNT = EB54195 [RUNX,I = DSK,G 1 FIRST RECØRD WRITTEN = 1 TERMINAL SFØ PØINTER = 12

[REPLACE, TAPE30 = DSK30]

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8.2.1 TAPE2 INPUTS

Card No.	Name	Column	Format	Value/Description
1	NØTRM	1-2	12	Number of terminals
2	ATERM	1-4	A4	Terminal mnemonic
3	NØRWY	1-2	12	Number of runways
4	NØFF	1-2	12	Number of feeder fixes for runway
5	TA	1-10	F10.5	Maximum advance time; units-minutes.
	TR	11-20	F10.5	Maximum retard time; units-minutes
	DGATE	21-30	F10.5	Distance from gate to runway, units-nmi.
6	SRVEL(J)	1-10	F10.5	J=1, 25 average velocity on sequence route by aircraft
7	SRLNG	1-10	F10.5	Not used
	NØSR	11-12	12	Number of <b>node</b> s along sequence route
8	SRXYZ (J,K)	1-12	F12.5	J=1,3; K=1, NØSR
		13-24	F12.5	noder; first at feeder
		25-36	F12.5	runway; units (nmi, nmi, ft.)

# 8.2.2

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The following pages in this section are a computer listing of the TAPE2 inputs used in the SFO runs.

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8.2-8

8.3.1 TAPE3 Inputs

Card No.	Name	Column	Format	Value/Description
1	NØER	1-2	12	Number of escape routes per sequence route
2	NØERPT	1-2	12	Number of escape route points in SRXYZ
	IEFFX	3-4	12	Number of feeder fixes for escape routes
3	ERVEL(J)	1-10	F10.5	J=1, 25 average velocity over escape route by speed class
4	NØEPTS	1-2	12	Number of branch points over escape route
	EDIST	3-12	F10.5	Distance from feeder fix to escape point via sequence route; units - nmi.
	ELNTH	13-22	F10.5	Not used
5	ERXYZ(J,K)	1-12	F12.5	J=1,3; K=1, NØEPTS
		13-24	F12.5	X,Y,Z coordinate of branch points; units - (nmi, nmi, ft.)
		25-36	F12.5	X,Y,Z coordinate of branch points; units (nmi, nmi, ft.)

# 8.3.2

The following pages in this section are a computer listing of the TAPE3 inputs used in the SFO runs. These inputs are dummies since there were no missed approaches for the set of runs made and are presented merely as an example of the format.

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### 9.0 INTERARRIVAL TIMES GENERATION PROGRAM

Program SDATA generates interarrival times an aircraft will enter a system at a point 80 - 100 n.mi. from the terminal, based on the considerations that 1) aircraft interarrival times at a route point 80 - 100 n.mi. from the terminal conform to the first order Erlang distribution with a mean equal to the desired flow rate along that route, 2) this flow rate will be defined as a percentage of the total flow rate at runway. For example, if the total flow rate is 60 aircraft per hour and 20% of the flights approach along a given route, the flow rate used for defining the mean of the Erlang distribution along that route will be (.20) (60) = 12.

SDATA reads data from the file VALUES on TAPE5 and the output is written on the teletype when execution is performed in a time sharing mode. VALUES contains the name list inputs read by SDATA. The name list variables are NUMX, the loop terminator; XMU, the mean separation time; RNDPRM, the random number seed.

Figure 9.0-1 shows a sample input and corresponding output produced by SDATA. The output lists the mean which was input and then two columns of interarrival times for this distribution. The left column gives the time to the next arrival relative to the last arrival while the right column sums these times relative to a starting value of zero.

Page 9.0-2

LIST, VALUES

\$VALUES
NUMX=10,XMU=.056818,RNDPRM=1234567.,XMAX=1.\$
\$VALUES
NUMX=0\$

# ]

[ RUNX,I=SDATA [ LGO AN = .056818 .004337 .004 MEAN = .004337 .044886 .049222 .005136 .054358 .054640 .000281 .150251 .204891 .092633 .297524 .064904 .362428 .024143 .386571 .192249 .578820 .034593 .613413 Ľ

### FIGURE 9.0-1 SAMPLE INPUT AND CORRESPONDING OUTPUT PRODUCED BY SDATA

Page 10.0-1

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### 10.0 POST PROCESSOR PROGRAM

The DELTA Post Processor Program, PPROC, is a separate executable program which produces an additional report for a DELTA simulation run. The program processes a file which is produced by sorting the DELTA output file TAPE14. The procedure for sorting TAPE14 and executing PPROC is illustrated in Table 4.2-1. A detailed description of the Post Processor Report is presented in Section 5.3. .

# APPENDIX: A REPORT OF INVENTIONS

A diligent review of the work performed under this contract has revealed no new innovation, discovery, improvement or invention.

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