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U.S. Coast Guard SARSAT Final Evaluation Report Vol. III: Programs and Data Listings

Transportation Systems Center
Cambridge MA 02142

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Final Report

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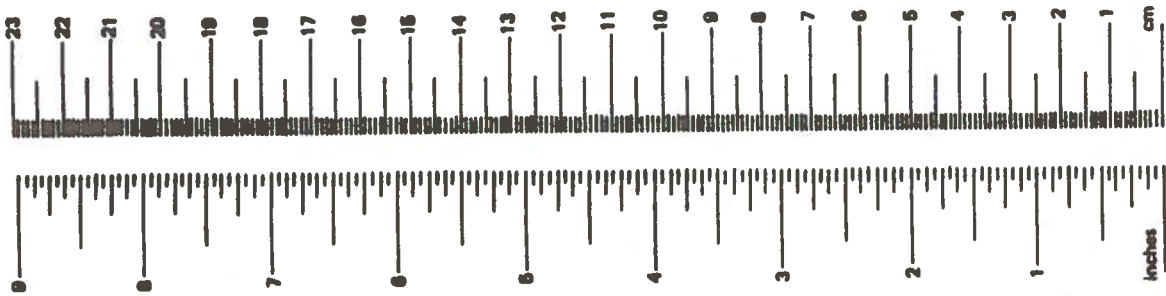
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16. Abstract <p>Volume I of this report, Technical Evaluation, presents the findings of the U.S. Coast Guard's two year demonstration and evaluation (D&E) of the COSPAS/SARSAT satellite-aided search and rescue system for locating distressed vessels and aircraft, a cooperative project of the US, USSR, France, and Canada. The report summarizes results of controlled tests and exercises; analyzes SARSAT's role in actual distress cases; discusses operations of the system's radio beacons, satellites, Coast Guard Rescue Coordination Centers, U.S. Mission Control Center, Local User Terminals, and ground communications; appraises the system's long-term economic costs and benefits; and assesses achievement of project objectives. Results indicate that the COSPAS/SARSAT system increased the role of radio beacons in search and rescue cases and provided key information in locating more than one-third of Coast Guard ELT/EPIRB distress cases during the D&E, resulting in the rescue of 74 persons.</p> <p>Volume II consists of appendices that give detailed information and data in support of each section of the Technical Evaluation; Volume III contains programs and data listings.</p>					
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METRIC CONVERSION FACTORS

Approximate Conversions to Metric Measures		Approximate Conversions from Metric Measures		
Symbol	When You Know	Multiply by	To Find	Symbol
LENGTH				
in	inches	2.5	centimeters	mm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
AREA				
in ²	square inches	6.5	square centimeters	cm ²
ft ²	square feet	0.09	square meters	m ²
yd ²	square yards	0.8	square meters	m ²
mi ²	square miles	2.6	square kilometers	km ²
acres	acres	0.4	hectares	ha
MASS (weight)				
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t
VOLUME				
teaspoons	teaspoons	5	milliliters	ml
Tablespoons	tablespoons	15	milliliters	ml
fluid ounces	fluid ounces	30	milliliters	ml
cups	cups	0.24	liters	l
pints	pints	0.47	liters	l
quarts	quarts	0.96	liters	l
gallons	gallons	3.8	liters	l
cubic feet	cubic feet	0.03	cubic meters	m ³
cubic yards	cubic yards	0.76	cubic meters	m ³
TEMPERATURE (exact)				
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

Approximate Conversions from Metric Measures				
Symbol	When You Know	Multiply by	To Find	Symbol
LENGTH				
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
m	meters	1.1	yards	yd
km	kilometers	0.6	miles	mi
AREA				
cm ²	square centimeters	0.16	square inches	in ²
m ²	square meters	1.2	square yards	yd ²
km ²	square kilometers	0.4	square miles	mi ²
ha	hectares (10,000 m ²)	2.5	acres	acres
MASS (weight)				
g	grams	0.035	ounces	oz
kg	kilograms	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	short tons
VOLUME				
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	2.1	pints	pt
l	liters	1.06	quarts	qt
l	liters	0.26	gallons	gal
m ³	cubic meters	36	cubic feet	ft ³
m ³	cubic meters	1.3	cubic yards	yd ³
TEMPERATURE (exact)				
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F



1 in. = 2.54 cm (exactly). For other exact conversions and more detail tables see NBS Misc. Publ. 286, Units of Weight and Measures. Price \$2.25. SD Catalog No. C13 10 286.

PREFACE

The COSPAS/SARSAT project is an international effort to develop and evaluate a global satellite-aided tracking system for search and rescue operations. This Search and Rescue Satellite-Aided Tracking System (SARSAT) and the parallel Soviet Space System for Search of Distressed Vessels (COSPAS) are intended to improve monitoring, alerting, and position locating of emergency beacons on distressed vessels and downed aircraft.

As part of its support of the U.S. Coast Guard in the SARSAT D&E, TSC conducted controlled tests and gathered data on real incidents and on the operation of the COSPAS/SARSAT system starting February, 1983. Results of the tests and real incidents are reported in Volume I of this report, with supporting data supplied in Volume II. The report is completed by Volume III, which contains programs and data listings.

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N.B.: See additional listings in Volume II.

DESCRIPTION OF DATA HEADINGS

ACT SEV - Actual severity*

CAUSE - Cause of incident*

DIS OSH,
DOS - Distance offshore

FLAGS - (NNNN)

Column 1 : Is used to denote global or regional test for
"RESEARCHER" test. (RNNN or GNNN)

Column 2 : Is used to denote a Deck test. (NDNN)

Column 3 : Is used to exclude a given test. (NNXN)

Column 4 : Is used to show beacons used:

Proton (NNNP)

Hazletine (NNNH)

Tron (NNNT)

Also used to denote global or regional test.

Any Column :

C - Test cancelled

E - Equipment error

S - See data sheets

P - Power problem (except col 4)

H - Human error (except col 4)

FREQ - Frequency flags (0000)

Column 1 : 121.5 KHz

Column 2 : 243 KHz

Column 3 : 121.5 and 243KHz

Column 4 : 406 MHz

FQ - Frequency

F1 : 121.5 KHz

F2 : 243 KHz

F3 : 121.5 and 243 KHz

F4 : 406 MHz

F5 : Non-test

LDTCOSN - Case Flags

L - Located or not located

0 : Not located

1 : Located

D - Distress or non-distress

0 : Non-distress

1 : Distress

T - Type of non-distress

1 : True non-distress

2 : False alarm

3 : False alert

4 : Unkown

C - Cause of False Alarm

0 : Not a false alarm

1 : Human error

2 : Equipment error

3 : Hoax

4 : Other

5 : Unkown

O - Origin of Non-distress

1 : Vessel

2 : Aircraft

3 : Other

S - Source of Non-distress

1 : ELT in aircraft

2 : ELT not in aircraft

3 : EPIRB on vessel

4 : EPIRB not on vessel

5 : Transmitter other than ELT or EPIRB

6 : Other

7 : Beacon

N - Participation level

* Refer to the SAR DATA SYS MANUAL

DESCRIPTION OF DATA HEADINGS (CONTINUED)

- 1 : SARSAT only
- 2 : Other only
- 3 : SARSAT & other

LOC - Location Codes

- AIR - Aircraft in the air
- APT - At airport or airstrip
- G20 - Offshore, obviously >20nm from land
- HBR - In harbor or dock area
- ISL - On an island, not at airport
- L20 - Offshore, obviously <20nm from land
- LND - Aircraft in the air
- NBR - In water, in vicinity of harbor
- NPT - On land in vicinity of airport
- OSH - Offshore, not obvious if <=20 or >=20nm offshore
- UNK - No location description given
- WWY - Inland waterway, river, lake(not Great Lakes)

LS - Lives saved*

MG - Number of messages recieved

MMY - MM is month; Y is one digit year

MTH LOC - Method of location*

MUCN - Multi-unit case number*

PRO PULO - Propulsion *

RES TYPE - Resource type*

SO - Source of Message

- AC - Aircraft
- AP - Airport
- OT - OTHER
- RD - Radio
- SS - SARSAT

TY - Type of transmission

- 1 - For Radio only, or not a beacon(not SARSAT)
- 2 - ELT
- 3 - EPIRB
- 4 - Not beacon (for SS only)

VEH - Vehicle Codes

- ACF - In or near aircraft
- FVC - Fishing vessel, comercial
- MVC - Motor vessel, comercial
- MVG - Motor vessel, Government, Military, Oceanographic
- MVP - Motor vessel, pleasure
- NVA - Not in vessel or aircraft in active service
- OTV - Other vessels: Kayaks; canoes; rowboats; other manually powered vessels; bouys; oil rigs and work barges; liferafts, survival craft
- SVP - Sailing Vessel, Pleasure
- UNK - Not known whether on vessel, ACF or NVA
- UNV - On a vessel, unkown type

* Refer to the SAR DATA SYS MANUAL

SECTION I.
TEST PLANNING AND POSITION
ERROR ANALYSIS PROGRAMS

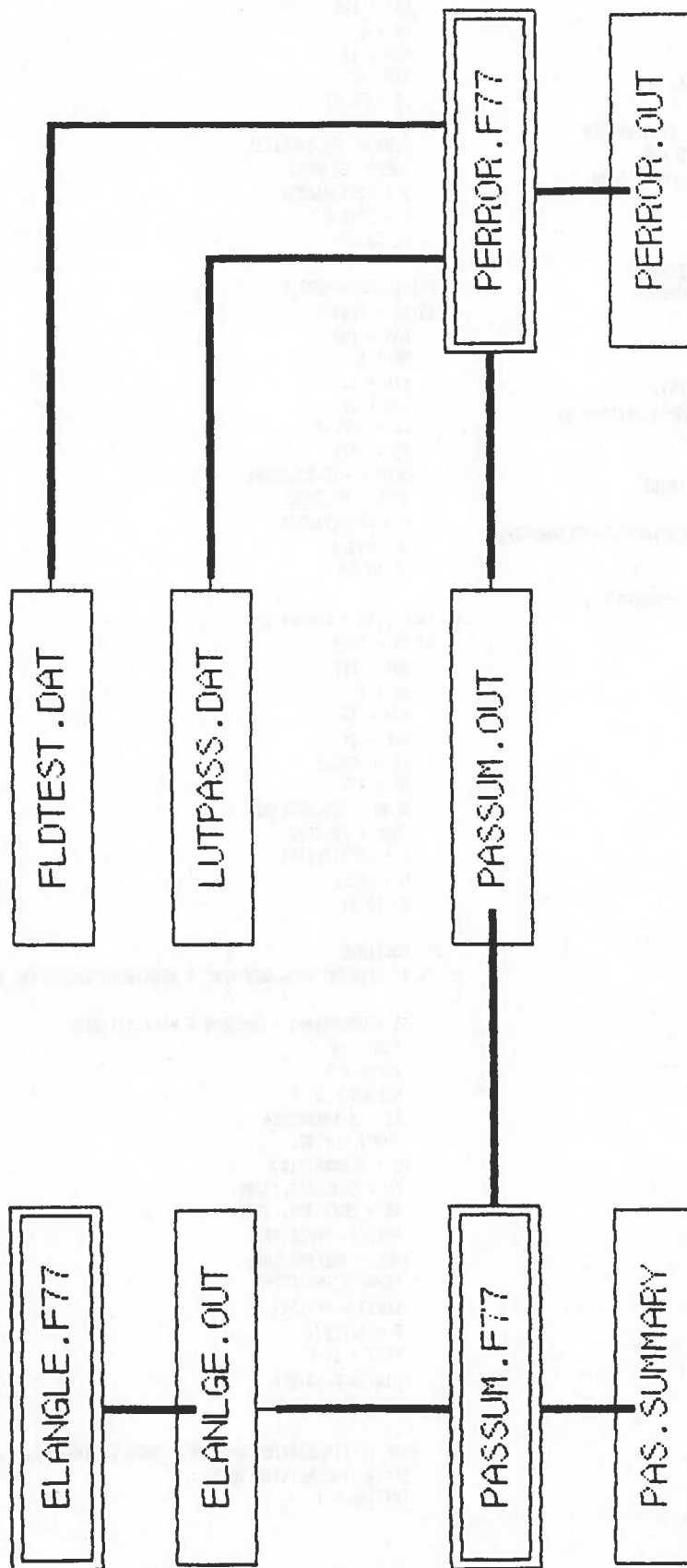


FIGURE 1-1. TEST PLANNING AND POSITION ERROR ANALYSIS PROGRAMS

SLIST ELANGLE84.F77

```
C ELEVATION ANGLE PROGRAM
C **REVISED 11-01-83**
C **REVISED 7-24-84** NEW SATELLITE DATA.
C *****
C ELANGLE.F77 IS PROGRAMMED WITH THE APRIL 17, 1984 VALUES
C OF DLON,P,YR,DAY,MIN,SEC,LA, AND NO, THE INFO WAS
C ACQUIRED FROM VOLUME 3 OF THE ASCENDING NODE PREDICTION
C TABLES.
C
C CHARACTER SATL*2,YESNO*1,SATS(4)*1,SATNAME(4)*2
C REAL LAT0,LON0,INCL,LAS,LATJX,LONJ,LONS,MAYBE
C INTEGER*4 DSTART,DSTOP,HSTART,HSTOP,
C 1 YR,DAY,HR,MIN,SEC,TA,FUNIT
C
C REAL DELX(5),DELY(5),DELZ(5),X(5),Y(5),Z(5),
C 1 XP(5),YP(5),ZP(5),LAT(5),LON(5),E(5),R(5)
C LOGICAL ADDP
C
C DOUBLE PRECISION LA,DLON,P,XTA,TAX,T,DT,TADUT
C DATA SATNAME/'C1','C2','S1','S2'/
C OPEN(UNIT=30,FILE='ELANGLE.OUT',STATUS='NEW',ACCESS='SEQUENTIAL')
C
C 100 WRITE(1,6660)
C 6660 FORMAT(1X,'SELECT SATELLITES (Y OR N)'/1X,'COSPAS 1 :')
C READ(1,6661)SATS(1)
C 6661 FORHAT(A1)
C WRITE(1,6663)
C 6663 FORMAT(1X,'COSPAS 2 :')
C READ(1,6661)SATS(2)
C WRITE(1,6671)
C 6671 FORMAT(1X,'SARSAT 1 :')
C READ(1,6661)SATS(3)
C WRITE(1,6672)
C 6672 FORMAT(1X,'SARSAT 2 :')
C READ(1,6661)SATS(4)
C INITIAL = 0
C KSATS = 0
C
C 101 KSATS = KSATS + 1
C IF(KSATS.GT.4)GO TO 70
C IF(SATS(KSATS).NE.'Y')GO TO 101
C SATL = SATNAME(KSATS)
C IF(SATL.EQ.'C1')GO TO 61
C IF(SATL.EQ.'C2')GO TO 62
C IF(SATL.EQ.'S1')GO TO 63
C IF(SATL.EQ.'S2')GO TO 64
C STOP 060
C
C SATELLITE=COSPAS 1
C 61 YR=1984
C DAY=108
C HR=1
C MIN=15
C SEC=17
C LA=-73.37
C NO=5983
C DLON=-26.46478191
C INCL = 82.9324
C F = 6321.378837
C H = 1021.5
C GO TO 69
C
C SATELLITE=COSPAS 2
```

```
62 YR = 1984
DAY = 108
HR = 0
MIN = 17
SEC = 21
LA = 26.63
NO = 5340
DLON = -26.34591311
INCL = 82.9324
P = 6292.866854
H = 1000.0
GO TO 69
```

```
C
C SATELLITE=SARSAT 1
63 YR = 1984
DAY = 108
HR = 1
MIN = 32
SEC = 21
LA = -88.67
NO = 5479
DLON = -25.32383301
INCL = 98.7532
P = 6077.766214
H = 845.0
GO TO 69
```

```
C
C SATELLITE = SARSAT 2
64 YR = 1984
DAY = 108
HR = 1
MIN = 32
SEC = 21
LA = -88.67
NO = 479
DLON = -25.32383301
INCL = 98.7532
P = 6077.766214
H = 845.0
GO TO 69
```

```
C
69 CONTINUE
C TA IS SECONDS FROM NEW YEAR'S MIDNIGHT,PLUS 86400 XTA=TA
C
C TA = DAY*86400 + HR*3600 + MIN*60 + SEC
C XTA = TA
C KOUNT = 0
C KILBUG = 0
C PI = 3.141592654
C TWOPI = PI*2.
C DL = DLON*PI/180.
C RP = 20856028./3281.
C RE = 20926488./3281.
C RPE2 = (RP/RE)**2
C INCL = INCL*PI/180.
C REBAR = (RE+RP)/2.
C CONST = PI/180.
C F = 1./297.
C FACT = 1.-F
C PRINT *,P,TA,XTA
C RS = REBAR + H
C
C SKIP INITIALIZATION AND INPUT INFO IF INITIAL.NE.0 (MORE SATELLITES)
C IF(INITIAL.NE.0)GO TO 5
C INITIAL = 1
C
```


CALCULATE X(J),Y(J),Z(J),FOR J=1 GODDARD,2 SCOTT,3 OTTAWA,
C 4 PT REYES,5 KODIAK.

```
C
LAT(1) = (39.+00./60.)*CONST
LAT(2) = (38.+31./60.)*CONST
LAT(3) = (45.+25./60.)*CONST
LAT(4) = (38.+06./60.)*CONST
LAT(5) = (57.+41./60.)*CONST

C
LON(1) = -(76.+52./60.)*CONST
LON(2) = -(89.+51./60.)*CONST
LON(3) = -(75.+45./60.)*CONST
LON(4) = -(122.+56./60.)*CONST
LON(5) = -(152.+29./60.)*CONST

C
DO 404 J=1,5
LATJX = LAT(J)
TANLJX = SIN(LATJX)/COS(LATJX)*RPE2
THETAJ = ATAN(TANLJX)
COSTJ = COS(THETAJ)
SINTJ = SIN(THETAJ)
LONJ = LON(J)
COSLJ = COS(LONJ)
SINLJ = SIN(LONJ)
DEN = COSTJ**2+(SINTJ/FACT)**2
RJ = RE/SQRT(DEN)
R(J) = RJ
X(J) = RJ*COSTJ*COSLJ
Y(J) = RJ*COSTJ*SINLJ
Z(J) = RJ*SINTJ
IF(KILBUG.EQ.1)PRINT 701,X(J),Y(J),Z(J)
```

701 FORMAT(1X,3F10.0)

404 CONTINUE

C
C ENTER CASE

C
1 CONTINUE

```
C
110 PRINT 602
602 FORMAT(' ENTER 6 DIGIT BEACON NORTH LATITUDE (DDMMSS)')
READ(1,603)LATD,LATH,LATS
603 FORMAT(3I2)
PRINT 604
604 FORMAT('/' ENTER BEACON 7 DIGIT WEST LONGITUDE (DDMMSS)')
READ(1,605)LOND,LONM,LONS
605 FORMAT(I3,I2,I2)
PRINT 605,LATD,LATH,LATS,LOND,LONM,LONS
6050 FORMAT(//,1X
1 'VISIBILITY ANGLES FOR BEACON AT LAT ',3(I3),' LON ',I4,2(I3)//)
WRITE(30,660) LATD,LATH,LATS,LOND,LONM,LONS
660 FORMAT(/,1X,'VISIBILITY ANGLES FOR BEACON AT LAT ',
+ 3(I3),' LON ',I4,2(I3),//)
```

C
CALCULATE BEACON X0,Y0,Z0 GEOCENTRIC COORDS

```
C
LATO =LATD*3600 + LATH*60 + LATS
LATO = (LATO/3600./180.)*PI
LONO = LOND*3600 + LONM*60 + LONS
LONO = -(LONO/3600./180.)*PI
THETA0 = RPE2*SIN(LATO)/COS(LATO)
THETA0 = ATAN(THETA0)
R0 = COS(THETA0)**2 + (SIN(THETA0)/FACT)**2
R0 = RE/SQRT(R0)
IF(KILBUG.EQ.1)PRINT 701,R0,RE,RP
X0 = R0*COS(THETA0)*COS(LONO)
Y0 = R0*COS(THETA0)*SIN(LONO)
```

```
Z0 = R0*SIN(THETA0)
IF(KILBUG.EQ.1)PRINT 701,X0,Y0,Z0
```

```
C
C ENTER START AND STOP TIMES
PRINT 606
606 FORMAT(' ENTER 3 DIGIT START DAY (DDD)')
READ(1,*)DSTART
PRINT 607
607 FORMAT(' ENTER 2 DIGIT START HOUR (HH)')
READ(1,*)HSTART
PRINT 609
609 FORMAT(' ENTER 3 DIGIT STOP DAY (DDD)')
READ(1,*)DSTOP
PRINT 610
610 FORMAT(' ENTER 2 DIGIT STOP HOUR (HH)')
READ(1,*)HSTOP
TSTART = DSTART*86400 + HSTART*3600
TSTOP = DSTOP*86400 + HSTOP*3600
WRITE(30,500)

C
C FIND NEXT ASCENDING NODE
C
5 IF (TA .GE. TSTART) THEN
XTA = XTA - P
TA = XTA
LA = LA - DLON
IF (LA .GT. 180.) LA = LA - 360.
NO = NO - 1
ADDP = .TRUE.
GO TO 5
ENDIF
6 IF (TA .LT. TSTART) THEN
XTA = XTA + P
TA = XTA
LA = LA + DLON
IF (LA .LT. -180.) LA = LA + 360.
NO = NO + 1
ADDP = .FALSE.
GO TO 6
ENDIF
IF (ADDP .EQV. .TRUE.) XTA = XTA + P
GO TO 10

C
700 WRITE(30,652)
652 FORMAT(' END OF TABLE ')
STOP

C
C START TO SEARCH FOR POSITIVE EL ANGLE AT BEACON
C
10 DAY = TA/86400
HR = TA-DAY*86400
HR = HR/3600
MIN = TA-DAY*86400-HR*3600
MIN = MIN/60
SEC = TA-86400*DAY-HR*3600-MIN*60
TAOUT = TA - 86400

C
PRINT *,TA,P
WRITE(30,655)YR,DAY,HR,MIN,SEC,TAOUT,LA,NO
655 FORMAT(3X,I4,1X,I3,1X,I2,1X,I2,1X,I2,2X,I10,5X,F8.2,5X,I8)
DT = 0.
TAX = FLOAT(TA)
T = TAX
IFLAG = 0
IF(T.GT.TSTOP)GO TO 70
20 T = T +DT
D = (T-TAX)*TWOPI/P
```

```

IF(D.GT.PI)GO TO 25
C
CALCULATE SATELLITE XS,YS,ZS
  THETAS = SIN(D)*SIN(INCL)
  THETAS = ASIN(THETAS)
  SINLAS = SIN(D)*COS(INCL)/COS(THETAS)
  COSLAS = COS(D)/COS(THETAS)
  LAS = ATAN2(SINLAS,COSLAS)
  LONS = LA*PI/180. + LAS + D/TWOPI*DL
C
  XS = RS*COS(THETAS)*COS(LONS)
  YS = RS*COS(THETAS)*SIN(LONS)
  ZS = RS*SIN(THETAS)
  IF(KILBUG.EQ.2)PRINT 701,XS,YS,ZS
C
CHECK TO SEE IF SATELLITE IS ABOVE BEACON HORIZON
C
  DELXO = XS-XO
  DELYO = YS-YO
  DELZO = ZS-ZO
  XOP = XO/RO
  YOP = YO/RO
  ZOP = ZO/RO
  TESTO = XOP*DELXO + YOP*DELYO + ZOP*DELZO
C IF IFLAG = 0 BEACON HAS NOT BECOME VISIBLE
  IF(TESTO.GE.0.0)GO TO 30
  DT = 60.
  IF(IFLAG.EQ.0)GO TO 20
25 IFLAG = 0
  XTA=XTA + P
  TA = XTA
  LA = LA +DLON
  IF(LA.LT.-180.)LA=LA+360.
  NO = NO + 1
  GO TO 10
30 IFLAG = 1
C
CALCULATE ELANGLE AT BEACON,E0
  DEN = SQRT(DELXO**2 + DELYO**2 + DELZO**2)
  COSEO = TESTO/DEN
  IF(KILBUG.EQ.1)PRINT 701,T,TESTO,DEN
  E0 = PI/2. - ACOS(COSEO)
  E0 = (E0/PI)*180.
C
CALCULATE AZIMUTH ANGLE A0 AT BEACON, POSITIVE CLOCKWISE FROM NORTH
  ALPHA = -DELXO*SIN(LONO) + DELYO*COS(LONO)
  BETA = -DELXO*SIN(LATO)*COS(LONO)
  1 -DELYO*SIN(LATO)*SIN(LONO)
  2 +DELZO*COS(LATO)
  A0 = ATAN2(ALPHA,BETA)
  A0 = (A0/PI)*180.
C
CALCULATE ELANGLES AT THE 5 LUTS
DO 50 J=1,5
  DELX(J) = XS-X(J)
  DELY(J) = YS-Y(J)
  DELZ(J) = ZS-Z(J)
  XP(J) = X(J)/R(J)
  YP(J) = Y(J)/R(J)
  ZP(J) = Z(J)/R(J)
  TESTJ = XP(J)*DELX(J) + YP(J)*DELY(J) + ZP(J)*DELZ(J)
  DEN = DELX(J)**2 + DELY(J)**2 + DELZ(J)**2
  COSEJ = TESTJ/SQRT(DEN)
  E(J) = PI/2. - ACOS(COSEJ)
  E(J) = 180.*E(J)/PI
  IF(E(J).LT.0.0)E(J) = 0.
50 CONTINUE
C
C CONVERT TIME AND PRINT OUT
  HR = T - DAY*B6400
  HR = HR/3600
  MIN = T - DAY*B6400 - HR*3600
  MIN = MIN/60
500 FORMAT(' SATL ORBIT DAY GHR MIN ELB AZB ELG E
  ILS ELO ELP ELK')
  WRITE(30,505)SATL,ND,DAY,HR,MIN,E0,A0,(E(J),J=1,5)
505 FORMAT(5X,A2,I7,3X,I3,3X,I2,3X,I2,2X,F5.1,2X,F6.1,5(2X,F5.1))
  DT = 60.
  GO TO 20
C
70 IF(KSATS.LT.4)GO TO 101
  WRITE(1,6664)
  READ(1,6665)YESNO
6664 FORMAT(1X,'DO YOU WISH TO CONTINUE (Y OR N):')
6665 FORMAT(A1)
  IF(YESNO.EQ.'Y')GO TO 100
  CLOSE(UNIT=30,STATUS='KEEP')
510 STOP
520 END
OK,

```

SLIST PASSUM.F77

```
C
C
C PROGRAM PASSUM
REAL AZB
INTEGER DBN, DAY, HR, MIN, TSEC, DTCA, HTCA, MTCA, DTT1, HTT1,
1 MTT1, DNTT1, HNNT1, MNNT1, TIME, D, MINT, YR, SEC, TA,
1 NO, TCA, TASAVE, DAYK, HRK, MINK, SECK
C
REAL ET(25), E(25), E1(25), E2(25), E3(25), E4(25), A(25), H(25),
1 NM(25), LA, EP1(6), EP2(6), EP3(6), TST1, TST2,
1 THAT(6), EHAT(6), AHAT(6), EP(6),
1 CTA, INCL(5), H(5), PN(5), LAT, LON,
1 B12(6), B23(6), AP, X(6), X2(6), X3(6), X4(6),
1 Y(6), Y2(6), Y3(6), Z(6), Z2(6), Z3(6), Z4(6), Z5(6)
C
INTEGER T1(25), T2(25), T3(25), T4(25), TT(25), NTT(25), F(25),
1 TSTOP(25), TSTART(25), TLENGTH(25), DSTART(25),
1 HSTART(25), HSTOP(25), DSTOP(25), HSTOP(25), MSTOP(25),
1 DLENGTH(25), HLENGTH(25), MLENGTH(25),
1 TP1(6), TP2(6), TP3(6), TP(6), DTP(6), HTP(6), MTP(6)
CHARACTER*80 LINE
CHARACTER*1 P(80)
CHARACTER*2 SATL
C
DATA(ET(I), I=1,6)/0.1,5*0.1/
C
OPEN(UNIT=30, FILE='ELANGLE.OUT', STATUS='OLD', ACCESS='SEQUENTIAL')
OPEN(UNIT=40, FILE='PAS.SUMMARY', STATUS='NEW', ACCESS='SEQUENTIAL')
OPEN(UNIT=50, FILE='PASSUM.OUT', STATUS='NEW', ACCESS='SEQUENTIAL')
NEXT = 0
C
10 READ(30,499) LATD, LATM, LATS, LOND, LONM, LONS
499 FORMAT(/, 1X, 36X, 3(I3), 6X, I4, 2(I3), //)
WRITE(40,599) LATD, LATM, LATS, LOND, LONM, LONS
599 FORMAT(/, /, PASS SUMMARY FOR BEACON AT LAT ',3I3,' LON ',3I3)
WRITE(40,604)
WRITE(40,605)
IF(NEXT.EQ.0) WRITE(50,599) LATD, LATM, LATS, LOND, LONM, LONS
C
READ(30,500) P
500 FORMAT(80A1)
C
IF(NEXT.EQ.1) GO TO 11
C
655 FORMAT(3X, I4, 1X, I3, 1X, I2, 1X, I2, 1X, I2, 2X, I10, 5X, FB.2, 5X, I8)
C
PARAMETERS FOR COSPAS 1, COSPAS, COSPAS 3, SARSAT 1, SARSAT 2:
PI = 3.141592654
RP = 20856028./3281.
RE = 20926488./3281.
REBAR = (RE + RP)/2.
WE = 2.*PI*(1.+1./365.25)/86400.
H(1) = 1021.5
H(2) = 1000.5
H(3) = 990.181
H(4) = 845.0
H(5) = 370.055
PN(1) = 6321.299
PN(2) = 6292.725
PN(3) = 6295.8381
PN(4) = 6077.429
PN(5) = 6125.1858
INCL(1) = 82.9324*PI/180.
```

```
INCL(2) = INCL(1)
INCL(3) = 82.9552*PI/180.
INCL(4) = 98.6645*PI/180.
INCL(5) = 98.9175685*PI/180.
C
CALCULATE GEOCENTRIC COORDINATES OF BEACON
11 BLAT = FLOAT(LATD) + FLOAT(LATM)/60. + FLOAT(LATS)/3600.
BLAT = BLAT/180.*PI
BLON = -(FLOAT(LOND) + FLOAT(LONM)/60. + FLOAT(LONS)/3600.)
BLON = BLON/180.*PI
XB = COS(BLAT) * COS(BLON)
YB = COS(BLAT) * SIN(BLON)
ZB = SIN(BLAT)
IF(NEXT.EQ.1) THEN
NEXT = 0
GO TO 201
END IF
C
100 READ(30,655,END=400) YR, DAYK, HRK, MINK, SECK, TA, LA, NO
C NEWFLAG = 0 INDICATES ASCENDING NODE RECORD
C FOR EACH I= 1-BEACON, 2-GODDARD, 3-SCOTT, 4-OTTAWA, 5-PT REYES, AND 6-KODIAK.
C
DO 13 I=1,6
T1(I) = 0
T2(I) = 0
T3(I) = 0
T4(I) = 0
TP(I) = 0
TF1(I) = 0
TF2(I) = 0
TF3(I) = 0
EP(I) = 0
EP1(I) = 0
EP2(I) = 0
EP3(I) = 0
TT(I) = 0
NTT(I) = 0
E1(I) = 0
E2(I) = 0
E3(I) = 0
F(I) = 0
H(I) = 0
HM(I) = 0
13 CONTINUE
NEWFLAG=0
NPTS = 0
200 READ(30,500,END=28) P
BACKSPACE(UNIT=30)
IF(P(6).EQ.'S'.OR.P(6).EQ.'C') GO TO 45
IF(P(6).EQ.' ') THEN
NEXT = 1
GO TO 10
END IF
201 CONTINUE
C
DO 43 K=1,6
IF(F(K).EQ.1) THEN
T4(K)=TSEC + 60
E4(K)=0.
F(K)=2
ELSE
END IF
43 CONTINUE
IF(NEWFLAG.EQ.0) GO TO 100
NEWFLAG=0
C NEWFLAG = 1 INDICATES ELANGLE RECORD
```

```

GO TO 28
C
C
45 NPTS = NPTS + 1
  READ(30,505)SATL,OBH,DAY,HR,MIN,E(1),A(1),E(2),E(3),E(4),
  1      E(5),E(6)
  NEWFLAG=1
  IF(SATL.EQ.'C1')ISAT = 1
  IF(SATL.EQ.'C2')ISAT = 2
  IF(SATL.EQ.'C3')ISAT = 3
  IF(SATL.EQ.'S1')ISAT = 4
  IF(SATL.EQ.'S2')ISAT = 5
505  FORMAT(5X,A2,I7,3X,I3,3X,I2,2X,F5.1,2X,
  1F6.1,5(2X,F5.1))
CONVERT TIME INTO SECONDS
  TSEC=(DAY-1)*86400+(HR*3600)+(MIN*60)
C
C BRACKET TIME OF ELEVATION ANGLE THRESHOLD CROSSING
DO 54 I=1,6
  IF(E(I).LT.ET(I).AND.F(I).EQ.0)THEN
    E1(I)=E(I)
    T1(I)=TSEC
  ELSE
    IF(E(I).GE.ET(I).AND.F(I).EQ.0)THEN
      E2(I)=E(I)
      T2(I)=TSEC
      T1(I) = TSEC - 60
      F(I)=1
      IF(I.EQ.1)AZSTRT = A(1)
    ELSE
      IF(E(I).GE.ET(I).AND.F(I).EQ.1)THEN
        E3(I)=E(I)
        T3(I)=TSEC
        T4(I)=TSEC-60
        AZSTOP = A(1)
      ELSE
        IF(E(I).LT.ET(I).AND.F(I).EQ.1)THEN
          E4(I)=E(I)
          T4(I)=TSEC
          T3(I)=TSEC-60
          F(I)=2
          IF(I.EQ.1)AZSTOP = A(1)
        END IF
      END IF
    END IF
  END IF
  IF(E(I).GT.EP2(I))THEN
    EP1(I)=EP2(I)
    EP2(I)=E(I)
    TP1(I)=TP2(I)
    TP2(I)=TSEC
  ELSE
    IF(E(I).GT.EP3(I))THEN
      EP3(I)=E(I)
      TP3(I)=TSEC
    END IF
  END IF
54  CONTINUE
GO TO 200
C
C INTERPOLATE TO GET CROSSING TIMES TT AND NTT
28  IF(NPTS.LT.4)GO TO 19
    DO 63 I=1,6
      IF(F(I).EQ.0)GO TO 63
    PRINT *,T1(I),T2(I),T3(I),T4(I)
C
C PRINT *,H(I),NH(I)

```

```

  H(I)=(E2(I)-E1(I))/60.
  IF (H(I) .NE. 0.) THEN
    TT(I)=((ET(I)-E1(I))/H(I))+FLOAT(T1(I))
  ELSE
    TT(I)=FLOAT(T1(I)) + 0.5
  END IF
  NH(I)=(E3(I)-E4(I))/60.
  IF (NH(I) .NE. 0.) THEN
    NTT(I)=((ET(I)-E4(I))/NH(I))+FLOAT(T4(I))
  ELSE
    NTT(I)=FLOAT(T4(I)) + 0.5
  END IF
63  CONTINUE
C
C SOLVING FOR TSTART,TSTOP AND TCA
DO 40 I=1,6
  TSTART(I)=MAX0(TT(I),TT(I))
  IF(TT(I).EQ.0)TSTART(I)=0
  TSTOP(I)=MIN0(NTT(I),NTT(I))
  IF(F(I).EQ.0)TSTART(I) = 0
  IF(F(I).EQ.0)TSTOP(I) = 0
  TLENGTH(I)=TSTOP(I)-TSTART(I)
  MLENGTH(I)=TLENGTH(I)/60
  CALL CONVERT(TSTART(I),DSTART(I),HSTART(I),MSTART(I))
  CALL CONVERT(TSTOP(I),DSTOP(I),HSTOP(I),MSTOP(I))
40  CONTINUE
C
  TCA=(TT(1)+NTT(1))/2
  CALL CONVERT(TCA,DTCA,HTCA,MTCA)
  CALL CONVERT(TT(1),DTT1,HTT1,MTT1)
  CALL CONVERT(NTT(1),DNNT1,MNNT1,MNTT1)
C
DO 60 I=1,6
  IF(EP1(I).EQ.0.AND.EP2(I).LT.EP1(I))GO TO 50
  IF(EP3(I).EQ.0.AND.EP2(I).LT.EP3(I))GO TO 50
  IF(TP1(I).EQ.TP2(I))GO TO 60
  IF(TP2(I).EQ.TP3(I))GO TO 60
  IF(TP1(I).EQ.TP3(I))GO TO 60
C
  B12(I)=(EP1(I)-EP2(I))*FLOAT(TP2(I)-TP3(I))
  B23(I)=(EP2(I)-EP3(I))*FLOAT(TP1(I)-TP2(I))
  IF(B12(I).EQ.B23(I))GO TO 60
  X(I)=(B12(I)*FLOAT(TP2(I)+TP3(I)))
  X2(I)=B23(I)*FLOAT(TP1(I)+TP2(I))
  X3(I)=(X(I)-X2(I))
  X4(I)=(0.5*X3(I))
C
PRINT *,B12(I),B23(I)
C
PRINT *,TP1(I),TP2(I),TP3(I)
  TP(I)=IFIX(X4(I))/(B12(I)-B23(I))
  Y(I)=(EP2(I)-EP3(I))/FLOAT(TP2(I)-TP3(I))
  Y2(I)=(EP1(I)-EP2(I))/FLOAT(TP1(I)-TP2(I))
  Y3(I)=Y(I)-Y2(I)
  AP=Y3(I)/FLOAT(TP1(I)-TP3(I))
  Z(I)=(EP1(I)+EP2(I)+EP3(I))/3.0
  Z2(I)=FLOAT(TP1(I)-TP(I))*2
  Z3(I)=FLOAT(TP2(I)-TP(I))*2
  Z4(I)=FLOAT(TP3(I)-TP(I))*2
  EP(I)=Z(I)+AP*(Z2(I)+Z3(I)+Z4(I))/3.0
  GO TO 60
50  IF(EP2(I).EQ.0.)THEN
    TP(I)=TCA
  ELSE
    TP(I)=TP2(I)
    EP(I)=EP2(I)
  END IF
C

```

```

      IF(TP(1).GT.NTT(1))TP(I)=NTT(1)
      IF(TP(1).LT.TT(1))TP(I)=TT(1)
60 IF(F(I).EQ.0)TP(I) = 0
C
CALCULATE TASAVE
      TASAVE = ((DAYK-1)*86400 + HRK*3600 + MINK*60 + SECK)
C
CALCULATE CENTRAL ANGLE CTA AND TRACK ANGLE THETA
      EX = EP(1)/180.*PI
      FX = REBAR/(REBAR+H(ISAT))
      CX = FX*COS(EX)
      CTA = ACOS(CX)
      CTA = CTA - EX
      DX = FLOAT(TP(1)-TASAVE)/PN(ISAT)*2.*PI
      SINLAT = SIN(INCL(ISAT))*SIN(DX)
      LAT = ASIN(SINLAT)
      COSLON = COS(DX)/COS(LAT)
      LON = ACOS(COSLON)
      IF(INCL(ISAT).GT.PI/2.)LON = -LON
      SINLON = SIN(LON)
      IF(DX.GT.1.E-4)THEN
          SINTH = SINLON/SIN(DX)
          THETA = ASIN(SINTH)
          IF(DX.GT.PI/2;.AND.INCL(ISAT).GT.PI/2.)THETA=-PI-THETA
          IF(DX.GT.PI/2;.AND.INCL(ISAT).LE.PI/2.)THETA = PI - THETA
          COSTH = COS(THETA)
          THETA = THETA*180./PI
      ELSE
          THETA = 0.0
      END IF
C
      SLAT = LAT
      SLON = LON - WE*FLOAT(TP(1)-TASAVE) + LA*PI/180.
      XS = COS(SLAT) * COS(SLON)
      YS = COS(SLAT) * SIN(SLON)
      ZS = SIN(SLAT)
      XV = - SIN(SLAT)*COS(SLON)*COSTH - SINTH*SIN(SLON)
      YV = - SIN(SLAT)*SIN(SLON)*COSTH + SINTH*COS(SLON)
      ZV = COSTH*COS(SLAT)
      COSCTA = XB*XS + YB*YS + ZB*ZS
      SINCTA = XV * (YB*ZS - ZB*YS) + YV * (ZB*XS - XB*ZS)
      *+ZV * (XB *YS - YB*XS)
      CTAX = ATAN2(SINCTA,COSCTA)
      CTAX = CTAX*180/PI
      CTA = CTA*180/PI
      DCTA = ABS(CTA)-ABS(CTAX)
      DCTA = ABS(DCTA)
      PRINT*,CTA,CTAX,DCTA
      IF(DCTA.GT.10.0)THEN
          TST1 = XV*XS + YV*YS + ZV*ZS
          TST2 = (XS-XB)*XV + (YS-YB)*YV + (ZS-ZB)*ZV
      C
      PRINT *,TST1,TST2
      STOP 007
      ENDIF
      DO 18 I=1,6
          IF(EP(I).LT.0.)EP(I) = 0.
          CALL CONVERT(TP(I),DTP(I),HTP(I),MTP(I))
      18 CONTINUE
C PRINT OUT ALL SOLUTIONS
C
      19 WRITE(40,600)SATL,OBN,DAYK,HRK,MINK,SECK,LA
      600 FORMAT(1X,'SATELLITE',1X,A2,5X,'ORBIT',
          + 15,5X,'TA '4(I3),1X,'(GMT)',5X,'LA 'F8.2,' (DEG)')
      604 FORMAT(14X,'BEACON',10X,'-----MUTUAL'
          + 'VISIBILITY-----')
      605 FORMAT(14X,'VISIBILITY',5X,'GODDARD',8X,'SCOTT',10X,'OTTAWA',
          1 9X,'PT REYES',7X,'KODIAK')
          IF(MLENGTH(1).LE.3)GO TO 100
          IF(MPTS.LT.4)GO TO 100
          WRITE(40,606)(DSTART(J),HSTART(J),MSTART(J),J=1,6)
      606 FORMAT(1X,'START(GMT)',1X,6(1X,I3,1X,I2,1X,I2,5X))
          WRITE(40,609)(DTP(I),HTP(I),I=1,6)
          WRITE(40,607)(DSTOP(K),HSTOP(K),MSTOP(K),K=1,6)
      607 FORMAT(1X,'STOP(GMT)',2X,6(1X,I3,1X,I2,1X,I2,5X))
          WRITE(40,608)(MLENGTH(I),I=1,6)
      608 FORMAT(1X,'DURATN(MN)',4X,6(1X,F6.2,8X))
      609 FORMAT(1X,'TCA (GMT) ',1X,6(1X,I3,1X,I2,1X,I2,5X))
          WRITE(40,610)(EP(I),I=1,6)
      610 FORMAT(1X,'PK EL(DEG)',1X,6(1X,F8.1,6X))
          WRITE(40,611)AZSTRT,AZSTOP,CTA,THETA
      611 FORMAT(1X,'START AZ(DEG)',F8.2,5X,'STOP AZ (DEG)',F8.2,
          +5X,'CTA (DEG) ',F8.2,5X,'TRACK ANGLE ',F8.2/)
C
          WRITE(50,650)SATL,OBN,DAYK,HRK,MINK,SECK,LA,DSTART(1),HSTART(1),
          +MSTART(1),DTP(1),HTP(1),MTP(1),DSTOP(1),HSTOP(1),MSTOP(1),
          +MLENGTH(1),I=1,6),EP(1),AZSTRT,AZSTOP,CTA,THETA
      650 FORMAT(1X,A2,I5,1X,4I3,1X,F8.2,3(1X,3I3),1X,6I3,1X,5F7.2)
          GO TO 100
      400 CLOSE(UNIT=30,STATUS='KEEP')
          CLOSE(UNIT=40,STATUS='KEEP')
          CLOSE(UNIT=50,STATUS='KEEP')
          STOP
          END
C
      SUBROUTINE CONVERT(TSEC,D,HR,MIN)
      INTEGER TSEC,D,HR,MIN
      D=(TSEC/86400)+1
      HR=(TSEC-((D-1)*86400))/3600
      MIN=(TSEC-((HR*3600)+(D-1)*86400))/60
      IF (MIN.LE.0)MIN=0
      IF (D.EQ.1.AND.HR.EQ.0.AND.MIN.EQ.0)D=0
      RETURN
      END
      UK,

```

SLIST PERROR.F77

C PROGRAM TO CALCULATE POSITION ERRORS

C MODIFIED 8 JUNE 1984

C MODIFIED 26 APRIL 1985

C

CAUTION: LUTPASS.DAT AND FLDTEST.DAT MUST BE SORTED IN ASCENDING ORDER OF TEST NUMBER FOR USE IN THIS PROGRAM

C

```
INTEGER IDUR(6),DBN,DAY,HR,MIN,SEC,MLENGTH(6),DAYF,DOF,
+DSTART,HSTART,HSTART,DTP,HTP,HTP,DSTOP,HSTOP,HSTOP,DOM(12)
INTEGER GMTON,GMTOFF,GMTHON,GMTHOFF,GMTMON,GMTHOFF,CHECKON,CHECKOFF
INTEGER DATE,TIMEON,TIMEOFF,PWON,PWROFF,PLATSIZE,BCNSRN1,BCNSRN2
INTEGER FLAG,TESTN1,TESTN2,TNLO,TNHI,ORBITN,ADSYRDAY,ADSGMT
INTEGER EVENTN,TCAYRDAY,TCAGMT,TPCYRDAY,TPCGMT,TERRHDG,TNAXIS,TMNXIS
INTEGER KPTS,NTRS,TD,B_A
CHARACTER BCNSER*4,TESTAB*1,TESTNAME*10,FLAG1*1,FLAG2*1,FLAG3*1
CHARACTER BCNTYPE*3,FREQ*2,AB*1,TNAME*10,BTYPE*3,NOTES*1,SATIN*2,PH*1
CHARACTER SATLID*3,FILENAME*10,SEACOND*8,HEAD2*30,HEAD3*37
CHARACTER SATTC1*1,SATTC2*1,SATTS1*1,SATTS2*1,HEAD1*38
```

```
CHARACTER STAR(10)*1,MNAME*10,MTYPE*3,DUMMT*3
REAL LATON,LATOFF,LATFLD,LONFLD,LONON,LONOFF,LATLUT,LONLUT,INCL,
+LA,EP,AZSTART,AZSTOP,CTA,THETA,LATPAS,LONPAS,RPTS,RATIO,TCA
REAL TON,TOFF,MVIS,TAC,RATI,MV,B_ANGLE
CHARACTER*1 ARRAY(121),SATL*2,DECK,TRACK
```

C

DATA DOM(3),31,59,99,120,151,181,212,243,273,304,334/

DATA PH/'X'/

OPEN(UNIT=14,FILE='FLDTEST.DAT')

OPEN(UNIT=5,FILE='LUTPASS.DAT')

OPEN(UNIT=6,FILE='PERROR.OUT')

DO 9 I = 1,10

STAR(I) = ' '

TD = 0

MERRZ = 0

SZ = 0

PAB = 0

PDET = 0

NTESTS = 0

KAB = 0

KKC = 0

9 CONTINUE

DO 30 I=1,2

READ(14,999)DUMMT

READ(5,999)DUMMT

30 CONTINUE

OPEN(UNIT=8,FILE='DETEST.SUM',FORM='FORMATTED',

*ACCESS='SEQUENTIAL',STATUS='OLD')

997 READ(8,999,END=998) DUMMT

GOTO 997

998 BACKSPACE(8)

999 FORMAT(A3)

C WRITE(6,500)

500 FORMAT(1X,'BCN TEST SEA SAT ORBIT LUT EVT NUM TCA GHT',

1' POSITION ERROR X-TRK Y-TRK',3X,

2' PKEL CTA THETA BVIS LVIS MVIS TCA')

C WRITE(6,2501)

2501 FORMAT(1X,' NUM HT ID NUM NUM NUM PTS YRDAY ',

1' HMM NMI DEG NMI NMI',3X,

2' DEG DEG DEG MIN MIN MIN RATIO'/)

C

HEAD1 = 'SARSAT/COSPAS POSITION ERROR ANALYSIS'

WRITE(1,501)

C

C INPUT RUN DATA

C TESTNAME MUST BE SAME AS IN FLDTEST.DAT

C BCN IS '121' FOR 121/243-MHZ AND '406' FOR 406-MHZ

C LUT# = 1 FOR SCOTT, 2 FOR PTREYES, 3 FOR KODIAK, 4 FOR SEDL

C 10 FOR OTTAWA, 20 FOR TOULOUSE, 00 FOR ALL

C (A) PRINTS ALL PASSES FROM PASSUM.OUT THAT HAVE TCA BETWEEN

C TEST START AND STOP TIMES IN FLDTEST.DAT

C (T) PRINTS ONLY THOSE PASSES THAT ALSO ARE IN LUTPASS.DAT

501 FORMAT(1X,'TESTNAME =')

READ(1,502)TNAME

MNAME = TNAME

502 FORMAT(A10)

WRITE(1,503)

503 FORMAT(1X,'BCNTYPE =')

READ(1,504)BTYPE

MTYPE = BTYPE

5110 WRITE(1,5111)

5111 FORMAT(1X,'BEACON ANGLE =')

READ(1,506)B_A

IF ((B_A.GE.0).AND.(B_A.LE.20)) THEN

B_ANGLE = B_A*3.141592654/180

ELSE

GO TO 5110

ENDIF

504 FORMAT(A3)

WRITE(1,505)

505 FORMAT(1X,'LUT# =')

READ(1,506)LUTIN

506 FORMAT(I2)

WRITE(1,5100)

5100 FORMAT(1X,'SELECT SATELLITES (Y OR N)//1X,'COPAS 1 :')

READ(1,5102)SATTC1

5102 FORMAT(A1)

WRITE(1,5104)

5104 FORMAT(1X,'COPAS 2 :')

READ(1,5102)SATTC2

WRITE(1,5106)

5106 FORMAT(1X,'SARSAT 1 :')

READ(1,5102)SATTS1

WRITE(1,5108)

5108 FORMAT(1X,'SARSAT 2 :')

READ(1,5102)SATTS2

WRITE(1,512)

512 FORMAT(1X,'PRINT ALL PASSES (A), OR JUST THOSE TRACKED (T):')

READ(1,509)TRACK

509 FORMAT(A1)

C

C DECK = D FOR DECK TESTS, = F FOR FLOATING EPIRBS

C SET TNLO AND TNHI TO HIGHEST AND LOWEST TEST NUMBERS

C CORRESPONDING TO TESTNAME

19000 IF(TNAME.NE.'NANLIGHT') GO TO 19001

CALL DECKTEST(DECK)

HEAD2 = ' NANTUCKET TEST'

HEAD3 = ' 1 FEBRUARY 1983 - 16 APRIL 1983'

TD = 8304

TNLO = 4000

TNHI = 4999

FILENAME = 'PASSUM.NAN'

KNLOCL = 5

GO TO 19010

19001 IF(TNAME.NE.'MARSHFIELD')GO TO 19002

HEAD2 = ' MARSHFIELD TEST 1'

HEAD3 = ' 1 FEBRUARY 1983 - 3 FEBRUARY 1983'

TD = 8302

TNLO = 1000

TNHI = 1099

FILENAME = 'PASSUM.MAR'

```

KMLOCL = 5
GO TO 19010
19002 IF (TNAME.NE.'KODIAK ') GO TO 19003
    HEAD2 = '          KODIAK TEST 1'
    HEAD3 = '15 FEBRUARY 1983 - 17 FEBRUARY 1983'
    TD = 8302
    TNLO = 3000
    TNHI = 3099
    FILENAME = 'PASSUM.KOD'
    KMLOCL = 10
    GO TO 19010
19003 IF (TNAME.NE.'PTREYES ') GO TO 19004
    HEAD2 = '          PT REYES TEST 1'
    HEAD3 = ' 8 FEBRUARY 1983 - 10 FEBRUARY 1983'
    TD = 8302
    TNLO = 2000
    TNHI = 2099
    FILENAME = 'PASSUM.PTR'
    KMLOCL = 8
    GO TO 19010
19004 IF (TNAME.NE.'FISHERIES ') GO TO 19005
    CALL DECKTEST(DECK)
    HEAD2 = '          FISHERIES TEST'
    HEAD3 = ' 7 MARCH 1983 - 16 MAY 1983'
    TD = 8305
    TNLO = 5000
    TNHI = 5999
    FILENAME = 'PASSUM.FSH'
    KMLOCL = 0
    GO TO 19010
19005 IF (TNAME.NE.'NORTHWIND ') GO TO 19006
    CALL DECKTEST(DECK)
    HEAD2 = '          NORTHWIND TEST'
    HEAD3 = '14 JUNE 1983 - 1 JULY 1983'
    TD = 8307
    TNLO = 7000
    TNHI = 7099
    FILENAME = 'PASSUM.NWD'
    KMLOCL = 0
    GO TO 19010
19006 IF (TNAME.NE.'WESTWIND ') GO TO 19007
    CALL DECKTEST(DECK)
    HEAD2 = '          WESTWIND TEST'
    HEAD3 = ' 5 OCTOBER 1983 - 25 FEBRUARY 1984'
    TD = 8402
    TNLO = 7100
    TNHI = 9300
    FILENAME = 'PASSUM.WWD'
    KMLOCL = 0
    GO TO 19010
19007 IF (TNAME.NE.'MARSH2') GO TO 20000
    HEAD2 = '          MARSHFIELD TEST 2'
    HEAD3 = '25 AUGUST 1983 - 31 AUGUST 1983'
    TD = 8308
    TNLO = 1100
    TNHI = 1200
    FILENAME = 'PASSUM.MA2'
    KMLOCL = 0
    GO TO 19010
20000 IF (TNAME.NE.'PTREYES2 ') GO TO 20010
    HEAD2 = '          PT REYES TEST 2'
    HEAD3 = '16 AUGUST 1983 - 18 AUGUST 1983'
    TD = 8308
    TNLO = 2100
    TNHI = 2200
    FILENAME = 'PASSUM.PT2'

KMLOCL = 0
GO TO 19010
20010 IF (TNAME.NE.'KODIAK2 ') GO TO 20015
    HEAD2 = '          KODIAK TEST 2'
    HEAD3 = '22 AUGUST 1983 - 25 AUGUST 1983'
    TD = 8308
    TNLO = 3100
    TNHI = 3299
    FILENAME = 'PASSUM.KO2'
    KMLOCL = 0
    GO TO 19010
20015 IF (TNAME.NE.'NASALOC ') GO TO 20020
    HEAD2 = 'NASA LOCATION PROBABILITY TEST'
    HEAD3 = '21 MAY 1984 - 25 MAY 1984'
    TD = 8405
    TNLO = 10000
    TNHI = 10300
    FILENAME = 'PASSUM.LPR'
    KMLOCL = 4
    GO TO 19010
20020 IF (TNAME.NE.'FIREBUSH ') GO TO 19008
    C 4F6 INDICATES PROTEON 406-MHZ BEACON, 4H6 INDICATES
    C HAZELTINE 406-MHZ BEACON
    C 4T6 INDICATES TRON 406-MHZ BEACON (NORWEGIANS)
    C 4G6 INDICATES GLOBAL MODE (4R6 REGIONAL MODE)
    C KMLOCL = TIMEZONE OF TEST IF FLDTEST START/STOP TIMES
    C ARE IN LOCL TIME, KMLOCL = 0 IF THEY ARE IN GMT
    HEAD2 = '          FIREBUSH TEST'
    HEAD3 = '25 AUGUST 1983 - 31 AUGUST 1983'
    TD = 8308
    TNLO = 6000
    TNHI = 6099
    FILENAME = 'PASSUM.FRB'
    KMLOCL = 0
    GO TO 19010
19008 IF (TNAME.NE.'LIGHTSHIP') GO TO 19009
    CALL DECKTEST(DECK)
    HEAD2 = '          LIGHTSHIP TEST'
    HEAD3 = ' 6 FEBRUARY 1984 - 24 FEBRUARY 1984'
    TD = 8402
    TNLO = 6100
    TNHI = 6300
    FILENAME = 'PASSUM.LSH'
    KMLOCL = 5
    GO TO 19010
19009 KKK = KKK + 1
    IF (KKK.GT.3) GO TO 80
    PRINT *, 'TESTNAME NOT RECOGNIZED; PLEASE RETYPE'
    READ(1,502) TNAME
    GO TO 19000
C
C
C  INITIALIZATION
C
19010 CONTINUE
    WRITE(6,403) HEAD1
    WRITE(6,404) HEAD2
    WRITE(6,405) HEAD3
    WRITE(6,500)
    WRITE(6,2501)
    403 FORMAT(48X,A38)
    404 FORMAT(50X,A31)
    405 FORMAT(49X,A35)
    KKA = 0
    KKB = 0
    KKC = 0

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PI = 3.1415927
PE=360.*60./2./3.1415927
NTESTS = 0
PI=3.141592654
ELIN = 0.
ELCUT = 0.
RPTS = 0.
KPTS = 0
NPTS = 0
NTRS = 0
VX = 0.
VY = 0.
VZ = 0.
VN = 0.
VE = 0.
AERRE = 0.
AERRN = 0.
AERRX = 0.
AERRY = 0.
AERRZ = 0.
C
C READ FIELD TEST FILE, CHECK FOR TEST NUMBER, BCN TYPE, AND DATE
C FLDTEST.DAT RECORDS ARE READ IN ORDER UNTIL ONE IS FOUND
C THAT MEETS INPUT SELECTIONS
1 READ(14,514,END=50)TESTNAME,TESTN1,DATE,TIMEON,LATON,LONON,
  *TIMEOFF,LATOFF,LONOFF,BCNTYPE,BCNSRN1,PWRON,PWROFF,FLAG1,FLAG2,
  *FLAG3,NOTES,PLATSIZE,SEACOND
514 FORMAT(1X,A10,3I8,2F8.2,I8,2F8.2,1X,A3,1X,I3,1X,2I8,1X,4A1,I8,
  *6X,A2)
  IF(TESTN1.LT.TNLO)GO TO 1
  IF(TESTN1.GT.TNHI)GO TO 50
  IF(FLAG3.EQ.'X')GO TO 1
  IF(FLAG2.EQ.'D'.AND.DECK.NE.'D')GO TO 1
  IF(BTYPE.EQ.'406')GO TO 3
  IF(BTYPE.EQ.'121')GO TO 3
  IF(BTYPE.EQ.'243')GO TO 3
C
C BTYPE IS NOT '121' OR '406', SO IT MUST BE '4P6' OR '4H6' OR '4T6'
C CHANGE 406 BCNTYPE IN FLDTEST BEFORE TESTING VS BTYPE
  IF(BCNTYPE.EQ.'406'.AND.NOTES.EQ.'H')BCNTYPE = '4H6'
  IF(BCNTYPE.EQ.'406'.AND.NOTES.EQ.'N')BCNTYPE = '4P6'
  IF(BCNTYPE.EQ.'406'.AND.NOTES.EQ.'T')BCNTYPE = '4T6'
  IF(BCNTYPE.EQ.'406'.AND.NOTES.EQ.'G')BCNTYPE = '4G6'
  IF(BCNTYPE.EQ.'406'.AND.NOTES.EQ.'R')BCNTYPE = '4R6'
C
C TEST BCNTYPE VS BTYPE
3 IF(BCNTYPE.NE.BTYPE)GO TO 1
C WRITE(1,514)TESTNAME,TESTN1
  NTESTS = NTESTS + 1
CONVERT TO RADIANs
  LATON=RADS(LATON)
  LATOFF=RADS(LATOFF)
  LONON=RADS(LONON)
  LONOFF=RADS(LONOFF)
  LATFLD=(LATON + LATOFF)/2.
  LONFLD=(LONON + LONOFF)/2.
CONVERSION TO JULIAN DATE
  MDOX=DATE/10000
  MDOF=DATE-MDOX*10000
  MOF=MDOF/100
  DOF=MDOF-MOF*100
  DAYF=DOF(MOF) + DOF
  IF(INT(MDOX).EQ.84.AND.MOF.GT.2)DAYF = DAYF + 1
  JDON=DAYF
  JDOFF=DAYF
  IF (INT(MDOX).EQ.84) THEN
JCON = JDON + 365
JDOFF = JDOFF + 365
ENDIF
CONVERSION FROM LOCAL TIME AT TEST TO GMT TIME
  IF(TIMEON.GT.2300.AND.TIMEOFF.LT.100)TIMEOFF=TIMEOFF+2400
  GMTON=TIMEON + KMLOCL*100
  GMTOFF=TIMEOFF + KMLOCL*100
  IF (GMTON .GE. 2400) GO TO 1000
  IF (GMTOFF .GE. 2400) GO TO 1010
  GO TO 1020
1000 CHECKON=GMTON-2400
  GMTON = CHECKON
1005 JDON=JDON + 1
1010 CHECKOFF=GMTOFF-2400
  GMTOFF = CHECKOFF
1015 JDOFF=JDOFF+1
CONVERSIONS FROM HOURS AND MINUTES TOGETHER TO HOURS AND MINUTES SEPARATELY
1020 GHTON=GMTON/100
  GHTON=GHTON-GHTON*100
  GHTOFF=GMTOFF/100
  GHTOFF=GHTOFF-GHTOFF*100
CHANGE KPASS TO 0 AND JUMP TO LUTPASS FILE READS
  KPASS = 0
  GO TO 2
C
C READ PASSUMMARY FILE, CHECK FOR LAT, LON
1515 OPEN(UNIT=7,FILE=FILENAME,ACCESS='SEQUENTIAL',STATUS = 'OLD')
  READ(7,516)LATD,LATH,LATS,LOND,LONH,LONS
  516 FORMAT(/32X,3I3,6X,3I3)
  IF(TNAME.EQ.'NORTHWIND')GO TO 100
  IF(TNAME.EQ.'WESTWIND')GO TO 100
  IF(TNAME.EQ.'LIGHTSHIP')GO TO 100
  IF(TNAME.EQ.'NASALOC ')GO TO 100
  LATPAS = FLOAT(LATD)+FLOAT(LATH)/60.+FLOAT(LATS)/3600.
  LONPAS = FLOAT(LOND)+FLOAT(LONH)/60.+FLOAT(LONS)/3600.
  DIFLAT = LATPAS-(LATON+LATOFF)*90./PI
  DIFLON = (LONPAS-(LONON+LONOFF)*90./PI)*COS(LATFLD)
  DIFDIF = SORT(DIFLAT**2+DIFLON**2)
  IF(DIFDIF.GT.200.)PRINT *, ' PASSUMMARY LOCATION DIFFERS FROM',
  + ' FLDTEST LOCATION BY MORE THAN 200 NMI'
  100 READ(7,517,END=101)SATL,OBN,DAY,HR,MIN,SEC,LA,
  +DSTART,HSTART,HSTART,DTP,HTP,HTP,DSTOP,HSTOP,HSTOP,
  +(IDUR(I),I=1,6),PKEL,AZSTART,AZSTOP,CTA,THETA
  517 FORMAT(1X,A2,1X,I4,1X,4I3,1X,F8.2,3(1X,3I3),1X,6I3,1X,5F7.2)
CHECK TO SEE IF TCA (DTP,HTP,HTP) IS BETWEEN TEST START AND STOP TIMES
  IF(TNAME.EQ.'NASALOC') DTP = DTP + 365
  ITP=DTP*24*60 + HTP*60 + MTP
  IJON=JDON*24*60 + GHTON*60 + GMTON
  IJOFF=JDOFF*24*60 + GHTOFF*60 + GHTOFF
  IF(ITP.LT.IJON)THEN
    GO TO 100
  ENDIF
  IF(ITP.GT.IJOFF)THEN
    GO TO 100
  ENDIF
  IF(SATL.EQ.'C1'.AND.SATLID.NE.'C01')GO TO 100
  IF(SATL.EQ.'C2'.AND.SATLID.NE.'C02')GO TO 100
  IF(SATL.EQ.'S1'.AND.SATLID.NE.'S01')GO TO 100
  IF(SATL.EQ.'S2'.AND.SATLID.NE.'S02')GO TO 100
  KPASS = 1
C KPASS = 1 IF AN ACCEPTABLE PASSUM.OUT RECORD IS FOUND
  GO TO 102
C
C KPASS = 0 IF NO PASSUM.OUT RECORD IS ACCEPTED
101 KPASS = 0
102 CONTINUE

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IFLAG = 1
CLOSE(UNIT=7)
CLOSE PASSUM,OUT WHETHER OR NOT AN ACCEPTABLE RECORD IS FOUND
C THE PASSUM FILE WILL BE REOPENED AND SEARCHED AGAIN
C WHEN THE NEXT FLDTEST RECORD IS ACCEPTED
C GO TO :2 TO CONTINUE TO PROCESS LUTPASS RECORD
GO TO 12
C
C READ LUT DATA FILE, CHECK FOR TEST#, LUT#,BCN TYPE, FREQ
2 READ(5,515,END=4,ERR=75)LUTN,SATLID,ORBITN,
*EVENTN,HPTS,TCAYRDAY,TCAGHT,TPCYRDAY,TPCGHT,FREQ,TESTN2,BCNSRN2,
*ALAT,ALON,BLAT,BLON,TESTAB,TERRHGD,TMJAXIS,THMAXIS
515 FORMAT(1X,I8,1X,A3,I8,2I4,4I8,1X,A2,I8,1X,I2,2X,4F8.2,1X,A1,3I5)
GO TO 10
C
COME HERE WHEN TEST NUMBER IN LUTPASS FILE EX-
CEEDS TEST NUMBER IN FIELDTEST RECORD
4 NTESTS = NTESTS - 1
5 IF(IFLAG.EQ.0)GO TO 1
IF(KPASS.EQ.1.AND.TRACK.EQ.'A')
*WRITE(6,520)BTYPE,TESTN1,SEACOND,SATL,OBN,PKEL,CTA,THETA,
*IDUR(1),IDUR(LT),MV,RATI
520 FORMAT(1X,A3,I6,2X,A2,2X,A3,2X,I4,63X,3(1X,I5),3X,6I3)
C IF(KPASS.EQ.0)WRITE(6,520)BTYPE,TESTN1,SEACOND
GO TO 1
C GO BACK TO GET NEXT FIELDTEST RECORD
C
CHECK TEST NO FROM LUTPASS.DAT VS TEST NO FROM FLDTEST.DAT
10 IF(TESTN2.LT.TESTN1)GO TO 2
IF(TESTN2.GT.TESTN1)THEN
BACKSPACE(UNIT=5)
GO TO 5
END IF
C
COME HERE WHEN TEST NUMBER IN LUT FILE = TEST NUM IN FLDTEST FILE
CONTINUE TO PROCESS LUTPASS RECORD
IF(LUTH.NE.LUTIN.AND.LUTIN.NE.0)GO TO 2
IF(FREQ.NE.'F1'.AND.FREQ.NE.'F2'.AND.FREQ.NE.'F3'.AND.FREQ.
*NE.'F4'.AND.FREQ.NE.'F5')GO TO 2
IF(BTYPE.EQ.'406'.AND.FREQ.NE.'F4')GO TO 2
IF(BTYPE.EQ.'4P6'.AND.FREQ.NE.'F4')GO TO 2
IF(BTYPE.EQ.'4H6'.AND.FREQ.NE.'F4')GO TO 2
IF(BTYPE.EQ.'4T6'.AND.FREQ.NE.'F4')GO TO 2
IF(BTYPE.EQ.'4G6'.AND.FREQ.NE.'F4')GO TO 2
IF(BTYPE.EQ.'4R6'.AND.FREQ.NE.'F4')GO TO 2
IF(BTYPE.EQ.'121'.AND.FREQ.EQ.'F4')GO TO 2
IF(BTYPE.EQ.'121'.AND.FREQ.EQ.'F4')GO TO 2
C F5 IS A TEMPORARY DESIGN FOR F2'S NOT WANTED
C IN THE ERROR CALCULATIONS.
IF (FREQ.EQ.'F5')GO TO 2
IF(BTYPE.EQ.'4H6'.OR.BTYPE.EQ.'4P6'.OR.BTYPE.EQ.'4T6')THEN
IF(BCNSRN1.NE.BCNSRN2)GO TO 2
END IF
IF(BTYPE.EQ.'4G6'.OR.BTYPE.EQ.'4R6')THEN
IF(BCNSRN1.NE.BCNSRN2)GO TO 2
ENDIF
IF(SATLID.EQ.'C01'.AND.SATTC1.EQ.'Y')GO TO 11
IF(SATLID.EQ.'C02'.AND.SATTC2.EQ.'Y')GO TO 11
IF(SATLID.EQ.'S01'.AND.SATTS1.EQ.'Y')GO TO 11
IF(SATLID.EQ.'S02'.AND.SATTS2.EQ.'Y')GO TO 11
GO TO 2
11 GO TO 1515
C GO TO 1515 TO READ PASSUM FILE TO FIND ORBIT DATA
C
CONTINUE - LUTPASS RECORD HAS BEEN ACCEPTED
C TESTAB = C INDICATES NO POSITION CALCULATED

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12 IF (TESTAB.EQ.'C')THEN
KNC = KNC + 1
C ***** CALL TCAR *****
CALL TCAR(SATL,DAY,HR,MINK,SEC,LA,DTP,HTP,MTP,LATFLD,
*LONFLD,LUTN,TONB,TOFFB,TONL,TOFFL,B_ANGLE)
TAC = DTP*24*60 + HTP*60 + MTP
TON = AMAX1(TONB,TONL)
TOFF = AMIN1(TOFFB,TOFFL)
IVISB = TOFFB - TONB
IVISL = TOFFL - TONL
RATI = (TAC - TON)/(TOFF - TON)
RATI = ABS(RATI - .5) * 2
MV = TOFF - TON
IF(MV.LE.0)MV = MIN(IVISB,IVISL)
IF ((FREQ.EQ.'F4').AND.(LUTTN.NE.20)) THEN
KPTS = KPTS + 1
FNTRS = MV * 60. + 30.
NTRS = NTRS + (IFIX(FNTRS)/50)
ENDIF
IF(FREQ.EQ.'F2')BTYPE = '243'
CALL TESTSL(LUTN,SATLID,STAR)
IF(KPASS.EQ.1) THEN
WRITE(6,523)BTYPE,TESTN1,SEACOND,SATLID,ORBITN,LUTN,TESTAB,
*PKEL,CTA,THETA,IVISB,IVISL,MV,RATI
ENDIF
IF(KPASS.EQ.0)
*WRITE(6,523)BTYPE,TESTN1,SEACOND,SATLID,ORBITN,LUTN,TESTAB
523 FORMAT(1X,A3,I6,2X,A2,2X,A3,2X,I4,1X,I2,59X,A1,
*1X,I5,1X,F5.1,1X,I5,2X,I3,3X,I3,3X,I3,3X,F5.2)
IFLAG = 0
IF(FREQ.EQ.'F1')BTYPE = '121'
END IF
IF(TESTAB.EQ.'C')GO TO 2
C GO TO NEXT LUTPASS RECORD WITHOUT CALCULATING
C POSITION ERRORS IF TESTAB = 'C'
C
CALCULATE ERRORS IF TESTAB = 'A' OR 'B'
IF(TESTAB.EQ.'A') THEN
LATLUT=RADS(ALAT)
LONLUT=RADS(ALON)
KKA = KKA+1
ELSE
IF(TESTAB.EQ.'B') THEN
LATLUT=RADS(BLAT)
LONLUT=RADS(BLON)
KKB = KKB + 1
ELSE
STOP 005
END IF
END IF
ERRN=RE*(LATLUT-LATFLD)
ERRE=-RE*(LONLUT-LONFLD)*COS(LATFLD)
ERRH=SQRT(ERRN**2 + ERRE**2)
IF(ERRN **2 .GT. 1.E-6) THEN
DIR = ATAN2(ERRE,ERRN)
DIR = DIR*180./PI
ELSE
DIR = 0.0
ENDIF
C
THETAR = THETA/180.*3.1415927
SINTH = SIN(THETAR)
COSTH = COS(THETAR)
DX=ERRE*COSTH-ERRN*SINTH

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DY=ERRE* SINTH+ERRN*COSTH
DZ=SQRT(DX**2+DY**2)
IF(DZ.GT.50.)THEN
  IF(TESTAB.EQ.'A')KKA = KKA - 1
  IF(TESTAB.EQ.'B')KKB = KKB - 1
  TESTAB = 'C'
  KKC = KKC + 1
C IF ERROR IS GT 100 NMI THEN NO
C POSITION ERROR IS CALCULATED AND PERROR PRINTOUT
C SHOWS TESTAB = 'C'
  END IF
  HDG = FLOAT(TERRHDG)/180.*3.1415927
  SHDG=SIN(HDG)
  CHDG=COS(HDG)
  DMAJ=ERRN*CHDG+ERRE*SHDG
  DMIN=ERRN*SHDG-ERRE*CHDG
  XMAJ = FLOAT(TMJAXIS)/1.853
  XMJN = FLOAT(TMJAXIS)/1.853
  IF(XMAJ.GT.0.0.AND.XMJN.GT.0.0)THEN
    TEST=(DMAJ/XMAJ)**2+(DMIN/XMJN)**2
  ELSE
    TEST = 1.1
  END IF
  TEST=SQRT(TEST)
  IF(DZ.GT.50.)GO TO 13
  AERRE = AERRE + ERRE
  AERRN = AERRN + ERRN
  AERRX = AERRX + DX
  AERRY = AERRY + DY
  AERRZ = AERRZ + DZ
  VE = ERRE**2 + VE
  VN = ERRN**2 + VN
  VX = DX**2 + VX
  VY = DY**2 + VY
  VZ = DZ**2 + VZ
  IF(TEST.GT.1.0.OR.TEST.LT.0.0)ELOUT = ELOUT + 1.
  IF(TEST.LE.1.0.AND.TEST.GE.0.0)ELIN = ELIN + 1.0
C
C
13 IF(FREQ.EQ.'F2')BTYPE = '243'
C
C TON = 0.
C TOFF = 0.
C ***** CALL TCAR *****
CALL TCAR(SATL,DAY,HR,HINK,SEC,LA,DTP,HTP,HTP,LATFLD,
*LNFLD,LUTN,TONB,TOFFB,TONL,TOFFL,B_ANGLE)
TCA = DTP*24*60 + HTP*60 + HTP
TON = AMAX1(TONB,TONL)
TOFF = AMIN1(TOFFB,TOFFL)
RATIO = (TCA - TON)/(TOFF - TON)
IVISB = TOFFB - TONB
IVISL = TOFFL - TONL
RATIO = ABS(RATIO - .5) * 2
MVIS = TOFF - TON
IF(MVIS.LE.0)MVIS = MIN(IVISB,IVISL)
C CALCULATE RATIO POINTS OF NUMBER TO TRANSMISSION POINTS
C NTRS FOR 406 BEACONS
IF (FREQ.EQ.'F4'.AND.LUTN.NE.20) THEN
KPTS = KPTS + NPTS
FNTRS = MVIS * 60. + 30.
NTRS = NTRS + (FIX(FNTRS)/50)
ENDIF
CALL TESTSL(LUTN,SATLID,STAR)
IF(KPASS.EQ.1) THEN
WRITE(6,530)BTYPE,TESTN1,SEACOND,SATLID,ORBITH,LUTN,EVENTN,NPTS,
*TCAYRDAY,TCAGMT,ERRM,DIR,DX,DY,TESTAB,PKEL,CTA,THETA,
*IVISB,IVISL,MVIS,RATIO
ENDIF
531 FORMAT(1X,I5,F10.8)
530 FORMAT(1X,A3,I6,2X,A2,2X,A3,2X,I4,1X,I2,1X,I3,
*1X,I3,2X,I6,2X,I4,F8.1,
*1X,I8,(2X,F8.1),2X,A1,1X,I5,1X,F5.1,1X,I5,2X,I3,
*3X,I3,3X,I3,3X,F5.2)
IF(KPASS.EQ.0)WRITE(6,530)BTYPE,TESTN1,SEACOND,SATLID,ORBITH,LUTN,
*EVENTN,NPTS,TCAYRDAY,TCAGMT,ERRM,DIR,DX,DY,TESTAB
IF(FREQ.EQ.'F1')BTYPE = '121'
IFLAG = 0
20 GO TO 2
C GO BACK TO LUT DATA FILE
CALCULATE STATS, PRINT, STOP
50 FNPOS = FLOAT(KKA) + FLOAT(KKB)
IF(FNPOS.GT.0.0)THEN
FIN = ELIN/FNPOS
AERRE = AERRE/FNPOS
AERRN = AERRN/FNPOS
AERRX = AERRX/FNPOS
AERRY = AERRY/FNPOS
AERRZ = AERRZ/FNPOS
SE = (VE/FNPOS-AERRE**2)
SN = (VN/FNPOS-AERRN**2)
SX = (VX/FNPOS-AERRX**2)
SY = (VY/FNPOS-AERRY**2)
SZ = (VZ/FNPOS-AERRZ**2)
SE = SQRT(SE)
SN = SQRT(SN)
SX = SQRT(SX)
SY = SQRT(SY)
SZ = SQRT(SZ)
KAB = KKA + KKB
PAB = 100.*FLOAT(KKA)/FLOAT(KAB)
FIN = FIN * 100
KABC = KAB + KKC
PDET = 100.*FLOAT(KAB)/FLOAT(KABC)
IF(BTYPE.NE.'121'.AND.BTYPE.NE.'243')THEN
RPTS = FLOAT(KPTS) / FLOAT(NTRS)
ENDIF
C
WRITE(6,540)AERRZ,AERRE,AERRN,AERRX,AERRY,FIN,PAB,PDET
WRITE(6,541)SZ,SE,SN,SX,SY
WRITE(6,542)NTESTS,KAB,KKC,RPTS
542 FORMAT(/1X,I4,1X,'BEACON TESTS',2X,I4,' POSITIONS LOCATED',
*2X,I4,' POSITIONS NOT LOCATED',6X,'NPTS/NUMBER TRANS = ',F4.2)
ELSE
END IF
GO TO 545
540 FORMAT(/1X,
3'AV ERRORS',9X,' MAGN',10X,'EAST',10X,'NRTH',10X,'XTRK',10X,'YTRK',
10X,'% IN ELLPSE',10X,'% APROB',6X,'% LOCATN',/,
21X,' (NMI)',3X,8(F14.1))
541 FORMAT(1X,'STD DEVTN',5F14.1)
545 WRITE(8,555)HNAME,TD,HTYPE,(STAR(K),K=1,10),AERRZ,SZ,PAB,
*PDET,NTESTS,KAB,KKC
555 FORMAT(A10,2X,I4,2X,A3,2X,A1,3(3X,A1),3X,6(2X,A1),3X,F5.1,
*2X,F5.1,8X,F5.1,5X,F5.1,8X,I3,8X,I3,8X,I3)
GO TO 80
75 PRINT *,LUTN,SATLID,ORBITH,EVENTN,FREQ

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GO TO 2
80 CLOSE(UNIT=6)
CLOSE(UNIT=14)
CLOSE(UNIT=5)
CLOSE(UNIT=9)
STOP
END
FUNCTION RADS(RIN)
REAL RIN,DEG,MINS
IN = IFIX(RIN)
IX = IN/100
DEG = FLOAT(IX)
MINS = -DEG*100. + RIN
RADS = (DEG*60. + MINS)/60./180.*3.1415927
RETURN
END

SUBROUTINE DECKTEST(DECK)
CHARACTER DECK*1
PRINT*, ' DECK TESTS (D) OR FLOATING TESTS (F):'
READ(1,409)DECK
409 FORMAT(A1)
RETURN
END

SUBROUTINE TESTSL(LUTN,SATLID,STAR)
CHARACTER STAR(10)*1,SATLID*3
INTEGER LUTN
IF(SATLID.EQ.'C01') STAR(1) = '*'
IF(SATLID.EQ.'C02') STAR(2) = '*'
IF(SATLID.EQ.'S01') STAR(3) = '*'
IF(SATLID.EQ.'S02') STAR(4) = '*'
IF(LUTN.EQ.1) STAR(6) = '*'
IF(LUTN.EQ.2) STAR(7) = '*'
IF(LUTN.EQ.3) STAR(9) = '*'
IF(LUTN.EQ.4) STAR(5) = '*'
IF(LUTN.EQ.10) STAR(9) = '*'
IF(LUTN.EQ.20) STAR(10) = '*'
RETURN
END

SUBROUTINE TCAR(SL,DAY,HR,MN,SEC,LA,DTP,HTP,HTP,LATF,LONFX,LN,
*TONB,TOFFB,TONL,TOFFL,TANS)
C THIS SUBROUTINE WAS CREATED 6 SEPT 1984 TO CALCULATE THE TON & TOFF
C TIMES TO AID IN THE CALCULATIONS OF THE TCA RATIO IN THE MAIN PERROR
REAL LAT(6),LON(6),HT(5),INC(5),P(5),XGL(6),YGL(6),ZGL(6)
REAL LA,LATF,LONF,TON,TOFF,WE,RE,PI,XGB,YGB,ZGB,LSA,SIGMA
REAL TEMP1,TEMP2,XGS,YGS,ZGS,TEMP3,PSI,RXS,RYS,RZS,D1,D2,D3
REAL NUM,T4,TANEB,D4,D5,D6,DEN2,NUM2,TANEL,DEN,TCA,TA,T,DELT
REAL TEMP5,LONFX
CHARACTER IVIS*3,SL*2
CHARACTER*3 IVISB,IONB,IVISL,IONL
INTEGER I,K,DAY,HR,MN,SEC,DTP,HTP,HTP,LU
C THE NEXT TWO LINES ARE THE LATS & LONS OF THE LUTS IN RADIANs
DATA LAT / .672243,.664971,1.00676,.680679,.792671,.762127/
DATA LON / -1.56818,-2.14559,-2.66134,-1.34158,-1.32209,
*.02617995/
DATA HT / 1021.5,1021.5,990.2,845.0,845.0/
DATA INC / 1.44744,1.44744,1.44784,1.72357,1.72357/
DATA P / 106.32,106.32,104.68,100.22,100.22/
C THESE FOLLOWING THREE LINES ARE THE x,y,z GEOCENTRIC COORDINATES OF THE LUT
DATA XGL / 13.0412,-2725.61,-3020.58,1124.95,1100.78,4472.91/
DATA YGL / -4984.69,-4207.79,-1573.52,-4821.57,-4334.38,117.127/
DATA ZGL / 3967.39,3931.03,5384.02,4009.30,4537.50,4535.07/
LONF = -LONFX
WE = .2505132
RE = 6370.332316

PI = 3.141592654
LU = LN
C THE NEXT 2 LINES SET BEACON VISIBILITY THRESHOLD AT 10. DEG,
C AND LUT AT 0. DEG
TANO = 0.0
IF(LN.EQ.10) LU = 5
IF(LN.EQ.20) LU = 6
IF(SL.EQ.'C1')I=1
IF(SL.EQ.'C2')I=2
IF(SL.EQ.'C3')I=3
IF(SL.EQ.'S1')I=4
IF(SL.EQ.'S2')I=5
IF(DTP.GT.365) DTP = DTP - 365
IF(DAY.GT.365) DAY = DAY - 365
TCA = (DTP*24*60 + HTP*60 + HTP)
TA = (DAY*24*60 + HR*60 + MN)
C THESE ARE THE x,y,z GEOCENTRIC COORDS. OF THE BEACON
XGB = (RE * COS(LATF) * COS(LONF))
YGB = (RE * COS(LATF) * SIN(LONF))
ZGB = (RE * SIN(LATF))
IVISB = 'OFF'
IVISL = 'OFF'
IONB = 'OFF'
IONL = 'OFF'
CONSTANT = 2.*PI/P(I)
TEMP1 = RE + HT(I)
TEMP2 = INC(I)
K = 0
T = TCA - 10
LSA = (LA/180.) * PI
100 DELT = T - TA
SIGMA = (DELT) * CONSTANT
XGS = TEMP1 * COS(SIGMA)
YGS = TEMP1 * SIN(SIGMA) * COS(TEMP2)
ZGS = TEMP1 * SIN(SIGMA) * SIN(TEMP2)
TEMP3 = WE * DELT
PSI = PI * (TEMP3/180.) - LSA
RXS = XGS * (COS(PSI)) + YGS*(SIN(PSI))
RYS = YGS * (COS(PSI)) - XGS*(SIN(PSI))
RZS = ZGS
D1 = (RYS*ZGB) - (RZS*YGB)
D2 = (RZS*XGB) - (RXS*ZGB)
D3 = (RXS*YGB) - (RYS*XGB)
DEN = SQRT((D1*D1) + (D2*D2) + (D3*D3))
T4 = ((XGB*XGB) + (YGB*YGB) + (ZGB*ZGB))
NUM = (((RXS*XGB)+(RYS*YGB)+(RZS*ZGB))-T4)
TANEB = NUM/DEN
D4 = RYS*ZGL(LU) - RZS*YGL(LU)
D5 = RZS*XGL(LU) - RXS*ZGL(LU)
D6 = RXS*YGL(LU) - RYS*XGL(LU)
DEN2 = SQRT((D4*D4) + (D5*D5) + (D6*D6))
T5 = XGL(LU)*XGL(LU) + YGL(LU)*YGL(LU) + ZGL(LU)*ZGL(LU)
NUM2 = (((RXS*XGL(LU)) + (RYS*YGL(LU)) + (RZS*ZGL(LU))))- T5)
TANEL = NUM2/DEN2
TEMP5 = ((10.0/180.0)*PI)
C BACKUP TEN MINS IF NECESSARY TO START OUT OF BOTH VISIB CIRCLES
IF(K.EQ.0)THEN
IF(TANEB.GE.TANS.OR.TANEL.GE.TANO)THEN
T = T -10
GO TO 100
END IF
END IF
C SET ON TIMES AND VISIBILITY FLAGS FOR BEACON AND LUT
IF(TANEB.GT.TANS.AND.IVISB.EQ.'OFF') THEN
TONB = T
IVISB = 'ON'

```

```
    IONB = 'ON'  
ENDIF  
IF(TANEL.GE.TANO.AND.IVISL.EQ.'OFF') THEN  
    TONL = T  
    IVISL = 'ON'  
    IONL = 'ON'  
ENDIF
```

C SET OFF TIME AND VISIBILITY FLAGS FOR LUT AND BEACON

```
IF((TANEB.LT.TANS).AND.(IVISB.EQ.'ON')) THEN  
    TOFFB = T  
    IVISB = 'OFF'  
ENDIF  
IF((TANEL.LT.TANO).AND.(IVISL.EQ.'ON')) THEN  
    TOFFL = T  
    IVISL = 'OFF'  
ENDIF
```

C RETURN IF BOTH LUT AND BEACON HAVE BEEN SEEN

```
IF((IONB.EQ.'ON').AND.(IONL.EQ.'ON')) THEN  
    IF((IVISB.EQ.'OFF').AND.(IVISL.EQ.'OFF')) GOTO 200  
ENDIF
```

```
    T = T + 1  
    K = K + 1  
    IF(K.GT.50) GO TO 200  
    GO TO 100
```

```
200 RETURN  
END
```

OK,

SLIST TEST NAME	FLDTEST TEST #	DATE	TURN ON	LAT.	LONG.	TURN OFF	LAT.	LONG.	FQ	BEACON	--POWER--	FLAGS	SHIP SIZE	WAVE HT.
MARSHFIELD	1002	830201	820	4208.00	7042.00	845	4208.00	7042.00	121	919	27	26 NNNN	999	0
MARSHFIELD	1002	830201	820	4208.00	7042.00	845	4208.00	7042.00	406	009	48	48 NNNN	999	0
MARSHFIELD	1004	830201	1005	4208.00	7042.00	1035	4208.00	7042.00	121	919	26	26 NNNN	999	0
MARSHFIELD	1004	830201	1005	4208.00	7042.00	1035	4208.00	7042.00	406	009	48	48 NNNN	999	0
MARSHFIELD	1006	830201	1150	4208.00	7042.00	1215	4208.00	7042.00	121	919	25	25 NNNN	999	0
MARSHFIELD	1006	830201	1150	4208.00	7042.00	1215	4208.00	7042.00	406	009	47	47 NNNN	999	0
MARSHFIELD	1012	830202	855	4208.00	7042.00	925	4208.00	7042.00	121	919	27	25 NNNN	999	0
MARSHFIELD	1012	830202	855	4208.00	7042.00	925	4208.00	7042.00	406	009	47	45 NNNN	999	0
MARSHFIELD	1014	830202	1040	4208.00	7042.00	1110	4208.00	7042.00	121	919	25	25 NNNN	999	0
MARSHFIELD	1014	830202	1040	4208.00	7042.00	1110	4208.00	7042.00	406	009	45	45 NNNN	999	0
MARSHFIELD	1016	830202	2045	4208.00	7042.00	2110	4208.00	7042.00	121	919	25	24 NNNN	999	0
MARSHFIELD	1016	830202	2045	4208.00	7042.00	2110	4208.00	7042.00	406	009	46	46 NNNN	999	0
MARSHFIELD	1018	830202	2225	4208.00	7042.00	2300	4208.00	7042.00	121	919	25	24 NNNN	999	0
MARSHFIELD	1018	830202	2225	4208.00	7042.00	2300	4208.00	7042.00	406	009	46	46 NNNN	999	0
MARSHFIELD	1020	830203	15	4208.00	7042.00	45	4208.00	7042.00	121	919	24	23 NNNN	999	0
MARSHFIELD	1020	830203	15	4208.00	7042.00	45	4208.00	7042.00	406	009	46	46 NNNN	999	0
MARSHFIELD	1022	830203	740	4208.00	7042.00	810	4208.00	7042.00	121	919	25	24 NNNN	999	0
MARSHFIELD	1022	830203	740	4208.00	7042.00	810	4208.00	7042.00	406	009	46	46 NNNN	999	0
MARSHFIELD	1024	830203	930	4208.00	7042.00	1000	4208.00	7042.00	121	919	24	24 NNNN	999	0
MARSHFIELD	1024	830203	930	4208.00	7042.00	1000	4208.00	7042.00	406	009	46	45 NNNN	999	0
MARSHFIELD	1026	830203	1115	4208.00	7042.00	1140	4208.00	7042.00	121	919	24	24 NNNN	999	0
MARSHFIELD	1026	830203	1115	4208.00	7042.00	1140	4208.00	7042.00	406	009	45	46 NNNN	999	0
MARSHFIELD	1101	830809	1215	4208.00	7042.00	1250	4208.00	7042.00	121	6	45	45 NNNN	999	0
MARSHFIELD	1101	830809	1215	4208.00	7042.00	1250	4208.00	7042.00	406	510	45	45 NNNN	999	0
MARSHFIELD	1103	830809	2315	4208.00	7042.00	2345	4208.00	7042.00	121	509	49	49 NNNN	999	0
MARSHFIELD	1103	830809	2315	4208.00	7042.00	2345	4208.00	7042.00	406	6	49	49 NNNN	999	0
MARSHFIELD	1104	830809	2355	4208.00	7042.00	2425	4208.00	7042.00	121	509	50	50 NNNN	999	0
MARSHFIELD	1104	830809	2355	4208.00	7042.00	2425	4208.00	7042.00	406	6	50	50 NNNN	999	0
MARSHFIELD	1105	830810	1245	4208.00	7042.00	1320	4208.00	7042.00	121	509	47	47 NNNN	999	0
MARSHFIELD	1105	830810	1245	4208.00	7042.00	1320	4208.00	7042.00	406	6	50	50 NNNN	999	0
MARSHFIELD	1106	830810	1355	4208.00	7042.00	1420	4208.00	7042.00	121	509	48	48 NNNN	999	0
MARSHFIELD	1106	830810	1355	4208.00	7042.00	1420	4208.00	7042.00	406	6	50	50 NNNN	999	0
MARSHFIELD	1107	830810	2335	4208.00	7042.00	2405	4208.00	7042.00	121	510	46	42 NNNN	999	0
MARSHFIELD	1107	830810	2335	4208.00	7042.00	2405	4208.00	7042.00	406	6	50	50 NNNN	999	0
MARSHFIELD	1108	830811	1130	4208.00	7042.00	1200	4208.00	7042.00	121	510	43	42 NNNN	999	0
MARSHFIELD	1108	830811	1130	4208.00	7042.00	1200	4208.00	7042.00	406	6	50	50 NNNN	999	0
MARSHFIELD	1109	830811	1330	4208.00	7042.00	1400	4208.00	7042.00	121	510	43	42 NNNN	999	0
MARSHFIELD	1109	830811	1330	4208.00	7042.00	1400	4208.00	7042.00	406	6	50	50 NNNN	999	0
MARSHFIELD	1110	830811	2225	4208.00	7042.00	2300	4208.00	7042.00	121	509	50	48 NNNN	999	0
MARSHFIELD	1110	830811	2225	4208.00	7042.00	2300	4208.00	7042.00	406	6	50	50 NNNN	999	0
MARSHFIELD	1111	830812	10	4208.00	7042.00	40	4208.00	7042.00	121	509	48	50 NNNN	999	0
MARSHFIELD	1111	830812	10	4208.00	7042.00	40	4208.00	7042.00	406	6	50	47 NNNN	999	0
MARSHFIELD	1112	830812	1010	4208.00	7042.00	1045	4208.00	7042.00	121	510	43	42 NNNN	999	0
MARSHFIELD	1112	830812	1010	4208.00	7042.00	1045	4208.00	7042.00	406	6	50	50 NNNN	999	0
MARSHFIELD	1113	830812	1145	4208.00	7042.00	1230	4208.00	7042.00	121	510	44	42 NNNN	999	0
MARSHFIELD	1113	830812	1145	4208.00	7042.00	1230	4208.00	7042.00	406	6	50	50 NNNN	999	0
MARSHFIELD	1114	830812	1310	4208.00	7042.00	1340	4208.00	7042.00	121	510	44	42 NNNN	999	0
MARSHFIELD	1114	830812	1310	4208.00	7042.00	1340	4208.00	7042.00	406	6	50	50 NNNN	999	0
PTREYES	2002	830208	740	3806.1212256.02		800	3806.1212256.02		121	920	22	22 NNNN	999	0
PTREYES	2002	830208	740	3806.1212256.02		800	3806.1212256.02		406	009	32	32 NNNN	999	0
PTREYES	2004	830208	925	3806.1212256.02		950	3806.1212256.02		121	920	22	21 NNNN	999	0
PTREYES	2004	830208	925	3806.1212256.02		950	3806.1212256.02		406	009	28	27 NNNN	999	0
PTREYES	2006	830208	1110	3806.1212256.02		1132	3806.1212256.02		121	920	22	22 NNNN	999	0
PTREYES	2006	830208	1110	3806.1212256.02		1132	3806.1212256.02		406	009	27	27 NNNN	999	0
PTREYES	2008	830208	2110	3806.1212256.02		2135	3806.1212256.02		121	920	21	21 NNNN	999	0
PTREYES	2008	830208	2110	3806.1212256.02		2135	3806.1212256.02		406	009	27	27 NNNN	999	0
PTREYES	2012	830209	815	3806.1212256.02		840	3806.1212256.02		121	920	21	21 NNNN	999	0
PTREYES	2012	830209	815	3806.1212256.02		840	3806.1212256.02		406	009	27	27 NNNN	999	0
PTREYES	2014	830209	1000	3806.1212256.02		1030	3806.1212256.02		121	920	21	21 NNNN	999	0
PTREYES	2014	830209	1000	3806.1212256.02		1030	3806.1212256.02		406	009	27	27 NNNN	999	0
PTREYES	2016	830209	2145	3806.1212256.02		2215	3806.1212256.02		121	920	21	21 NNNN	999	0
PTREYES	2016	830209	2145	3806.1212256.02		2215	3806.1212256.02		406	009	27	27 NNNN	999	0

PTREYES	2020	830210	850	3806.1212256.02	920	3806.1212256.02	121	920	21	21	NNNN	999	0
PTREYES	2020	830210	850	3806.1212256.02	920	3806.1212256.02	406	009	27	27	NNNN	999	0
PTREYES	2022	830210	1035	3806.1212256.02	1105	3806.1212256.02	406	009	27	27	SSNN	999	0
PTREYES	2024	830210	2035	3806.1212256.02	2105	3806.1212256.02	121	920	21	21	NNNN	999	0
PTREYES	2024	830210	2035	3806.1212256.02	2105	3806.1212256.02	406	009	27	27	NNNN	999	0
PTREYES	2101	830816	1350	3806.1212256.02	1420	3806.1212256.02	121	512	34	33	NNNN	999	0
PTREYES	2101	830816	1350	3806.1212256.02	1420	3806.1212256.02	406	5	38	0	NNNN	999	0
PTREYES	2102	830816	1510	3806.1212256.02	1535	3806.1212256.02	121	512	34	33	NNNN	999	0
PTREYES	2102	830816	1510	3806.1212256.02	1535	3806.1212256.02	406	6	36	35	NNNN	999	0
PTREYES	2103	830816	1650	3806.1212256.02	1715	3806.1212256.02	121	512	32	32	NNNN	999	0
PTREYES	2103	830816	1650	3806.1212256.02	1715	3806.1212256.02	406	6	36	36	NNNN	999	0
PTREYES	2104	830817	53	3806.1212256.02	115	3806.1212256.02	121	512	34	32	NNNN	999	0
PTREYES	2104	830817	53	3806.1212256.02	115	3806.1212256.02	406	6	38	37	NNNN	999	0
PTREYES	2105	830817	230	3806.1212256.02	255	3806.1212256.02	121	512	33	31	NNNN	999	0
PTREYES	2105	830817	230	3806.1212256.02	255	3806.1212256.02	406	6	37	36	NNNN	999	0
PTREYES	2106	830817	410	3806.1212256.02	431	3806.1212256.02	121	512	32	30	NNNN	999	0
PTREYES	2106	830817	410	3806.1212256.02	431	3806.1212256.02	406	6	36	36	NNNN	999	0
PTREYES	2107	830817	1235	3806.1212256.02	1300	3806.1212256.02	121	6	36	36	NNNN	999	0
PTREYES	2107	830817	1235	3806.1212256.02	1300	3806.1212256.02	406	6	36	36	NNNN	999	0
PTREYES	2108	830817	1420	3806.1212256.02	1450	3806.1212256.02	121	512	32	31	NNNN	999	0
PTREYES	2108	830817	1420	3806.1212256.02	1450	3806.1212256.02	406	6	36	36	NNNN	999	0
PTREYES	2109	830817	1625	3806.1212256.02	1655	3806.1212256.02	121	512	31	31	NNNN	999	0
PTREYES	2109	830817	1625	3806.1212256.02	1655	3806.1212256.02	406	6	36	36	NNNN	999	0
PTREYES	2110	830818	133	3806.1212256.02	144	3806.1212256.02	121	512	31	31	NNXX	999	0
PTREYES	2111	830818	214	3806.1212256.02	231	3806.1212256.02	121	512	31	31	NNNN	999	0
PTREYES	2111	830818	214	3806.1212256.02	231	3806.1212256.02	406	6	37	37	NNNN	999	0
PTREYES	2112	830819	308	3806.1212256.02	328	3806.1212256.02	121	512	31	31	NNNN	999	0
PTREYES	2112	830819	308	3806.1212256.02	328	3806.1212256.02	406	6	37	37	NNNN	999	0
PTREYES	2113	830819	350	3806.1212256.02	410	3806.1212256.02	121	512	31	30	NNNN	999	0
PTREYES	2113	830819	350	3806.1212256.02	410	3806.1212256.02	406	6	37	37	NNNN	999	0
PTREYES	2114	830818	1300	3806.1212256.02	1330	3806.1212256.02	121	512	31	30	NNNN	999	0
PTREYES	2114	830818	1300	3806.1212256.02	1330	3806.1212256.02	406	6	36	36	NNNN	999	0
PTREYES	2115	830818	1445	3806.1212256.02	1520	3806.1212256.02	121	512	31	36	NNNN	999	0
PTREYES	2115	830818	1445	3806.1212256.02	1520	3806.1212256.02	406	6	36	36	NNNN	999	0
PTREYES	2116	830818	1605	3806.1212256.02	1629	3806.1212256.02	121	512	30	29	NNNN	999	0
PTREYES	2116	830818	1605	3806.1212256.02	1629	3806.1212256.02	406	6	36	36	NNNN	999	0
KODIAK	3002	830215	750	5744.4015230.20	814	5744.2015230.20	121	916	24	24	NNNN	999	0
KODIAK	3002	830215	750	5744.4015230.20	814	5744.2015230.20	406	009	27	27	NNNN	999	0
KODIAK	3004	830215	940	5744.4015230.20	1010	5744.2015230.20	406	009	28	28	NNNN	999	0
KODIAK	3004	830215	940	5744.4015230.20	1010	5744.4015230.20	121	916	24	24	NNNN	999	0
KODIAK	3006	830215	1955	5744.4015230.20	2020	5744.2015230.20	121	916	24	23	NNNN	999	0
KODIAK	3006	830215	1955	5744.4015230.20	2020	5744.2015230.20	406	009	27	27	NNNN	999	0
KODIAK	3008	830215	2135	5744.4015230.20	2200	5744.2015230.20	121	916	23	23	NNNN	999	0
KODIAK	3008	830215	2135	5744.4015230.20	2200	5744.2015230.20	406	009	27	27	NNNN	999	0
KODIAK	3012	830216	115	5744.4015230.20	140	5744.4015230.20	121	916	23	23	NNNN	999	0
KODIAK	3012	830216	115	5744.4015230.20	140	5744.4015230.20	406	009	27	27	NNNN	999	0
KODIAK	3014	830216	455	5744.4015230.20	520	5744.4015230.20	121	916	23	23	NNNN	999	0
KODIAK	3014	830216	455	5744.4015230.20	520	5744.4015230.20	406	009	27	27	NNNN	999	0
KODIAK	3018	830216	825	5744.4015230.20	900	5744.4015230.20	121	916	23	23	NNNN	999	0
KODIAK	3018	830216	825	5744.4015230.20	900	5744.4015230.20	406	009	27	27	NNNN	999	0
KODIAK	3020	830216	1015	5744.4015230.20	1045	5744.4015230.20	121	916	23	23	NNNN	999	0
KODIAK	3020	830216	1015	5744.4015230.20	1045	5744.4015230.20	406	009	27	27	NNNN	999	0
KODIAK	3024	830216	2212	5744.4015230.20	2234	5744.4015230.20	121	916	23	23	NNNN	999	0
KODIAK	3024	830216	2212	5744.4015230.20	2234	5744.4015230.20	406	009	27	27	NNNN	999	0
KODIAK	3026	830217	2	5744.4015230.20	21	5744.4015230.20	121	916	23	23	NNNN	999	0
KODIAK	3026	830217	2	5744.4015230.20	21	5744.4015230.20	406	009	27	27	NNNN	999	0
KODIAK	3028	830217	530	5744.4015230.20	549	5744.4015230.20	121	916	23	23	NNNN	999	0
KODIAK	3028	830217	530	5744.4015230.20	549	5744.4015230.20	406	009	27	27	NNNN	999	0
KODIAK	3034	830217	1050	5744.4015230.20	1112	5744.4015230.20	121	916	23	23	NNNN	999	0
KODIAK	3034	830217	1050	5744.4015230.20	1112	5744.4015230.20	406	009	27	27	NNNN	999	0
KODIAK	3036	830217	1920	5744.4015230.20	1945	5744.4015230.20	121	916	23	23	NNNN	999	0
KODIAK	3036	830217	1920	5744.4015230.20	1945	5744.4015230.20	406	009	27	27	NNNN	999	0
KODIAK	3101	830822	1500	5744.4015230.20	1530	5744.4015230.20	121	510	32	36	NNNN	999	0
KODIAK	3101	830822	1500	5744.4015230.20	1530	5744.4015230.20	406	6	36	36	NNNN	999	0
KODIAK	3102	830822	1645	5744.4015230.20	1720	5744.4015230.20	121	510	32	31	NNNN	999	0
KODIAK	3102	830822	1645	5744.4015230.20	1720	5744.4015230.20	406	6	36	36	NNNN	999	0

KODIAK	3103	830822	1755 5744.4015230.20	1820 5744.4015230.20	121 6	36	36	NNNN	999	0
KODIAK	3103	830822	1755 5744.4015230.20	1820 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3104	830822	1835 5744.4015230.20	1900 5744.4015230.20	121 510	30	30	NNXX	999	0
KODIAK	3104	830822	1835 5744.4015230.20	1900 5744.4015230.20	406 6	36	36	NNXX	999	0
KODIAK	3105	830822	1940 5744.4015230.20	2003 5744.4015230.20	121 510	31	30	NNNN	999	0
KODIAK	3105	830822	1940 5744.4015230.20	2003 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3106	830823	0 5744.4015230.20	30 5744.4015230.20	121 510	31	30	NNNN	999	0
KODIAK	3106	830823	0 5744.4015230.20	30 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3107	830823	150 5744.4015230.20	215 5744.4015230.20	121 510	30	30	NNNN	999	0
KODIAK	3107	830823	150 5744.4015230.20	215 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3108	830823	335 5744.4015230.20	405 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3108	830823	335 5744.4015230.20	405 5744.4015230.20	121 510	30	29	NNNN	999	0
KODIAK	3109	830823	525 5744.4015230.20	555 5744.4015230.20	121 510	30	30	NNNN	999	0
KODIAK	3109	830823	525 5744.4015230.20	555 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3110	830823	1345 5744.4015230.20	1415 5744.4015230.20	121 510	31	30	NNNN	999	0
KODIAK	3110	830823	1345 5744.4015230.20	1415 5744.4015230.20	406 6	37	36	NNNN	999	0
KODIAK	3111	830823	1530 5744.4015230.20	1557 5744.4015230.20	121 510	30	28	NNNN	999	0
KODIAK	3111	830823	1530 5744.4015230.20	1557 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3112	830823	1724 5744.4015230.20	1740 5744.4015230.20	121 510	29	29	ESXX	999	0
KODIAK	3112	830823	1724 5744.4015230.20	1740 5744.4015230.20	406 6	36	36	ESXX	999	0
KODIAK	3113	830823	1915 5744.4015230.20	1935 5744.4015230.20	121 510	30	29	NNXX	999	0
KODIAK	3113	830823	1915 5744.4015230.20	1935 5744.4015230.20	406 6	36	37	NNXX	999	0
KODIAK	3114	830823	2055 5744.4015230.20	2118 5744.4015230.20	121 510	29	29	NNXX	999	0
KODIAK	3114	830823	2055 5744.4015230.20	2118 5744.4015230.20	406 6	37	36	NNXX	999	0
KODIAK	3115	830824	30 5744.4015230.20	100 5744.4015230.20	121 510	30	30	NNNN	999	0
KODIAK	3115	830824	30 5744.4015230.20	100 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3116	830824	215 5744.4015230.20	250 5744.4015230.20	121 510	30	29	NNNN	999	0
KODIAK	3116	830824	215 5744.4015230.20	250 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3117	830824	325 5744.4015230.20	355 5744.4015230.20	121 509	31	0	ESXX	999	0
KODIAK	3117	830824	325 5744.4015230.20	355 5744.4015230.20	406 6	36	0	ESXX	999	0
KODIAK	3118	830824	505 5744.4015230.20	530 5744.4015230.20	121 509	30	30	NNNN	999	0
KODIAK	3118	830824	505 5744.4015230.20	530 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3119	830824	1415 5744.4015230.20	1440 5744.4015230.20	121 509	31	31	NNNN	999	0
KODIAK	3119	830824	1415 5744.4015230.20	1440 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3120	830824	1600 5744.4015230.20	1625 5744.4015230.20	121 509	31	31	NNNN	999	0
KODIAK	3120	830824	1600 5744.4015230.20	1625 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3121	830824	1715 5744.4015230.20	1735 5744.4015230.20	121 509	30	29	NNNN	999	0
KODIAK	3121	830824	1715 5744.4015230.20	1735 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3122	830824	1855 5744.4015230.20	1917 5744.4015230.20	121 509	30	29	NNNN	999	0
KODIAK	3122	830824	1855 5744.4015230.20	1917 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3123	830824	2037 5744.4015230.20	2054 5744.4015230.20	121 509	30	30	NNNN	999	0
KODIAK	3123	830824	2037 5744.4015230.20	2054 5744.4015230.20	406 6	36	36	NNNN	999	0
KODIAK	3124	830824	2315 5744.4015230.20	2340 5744.4015230.20	121 509	30	30	NNNN	999	0
KODIAK	3124	830824	2315 5744.4015230.20	2340 5744.4015230.20	406 6	30	30	NNNN	999	0
KODIAK	3126	830825	305 5744.4015230.20	327 5744.4015230.20	121 509	30	29	NNNN	999	0
KODIAK	3126	830825	305 5744.4015230.20	327 5744.4015230.20	406 6	36	36	NNNN	999	0
NANLIGHT	4002	830201	815 4030.00 6928.00	845 4030.00 6928.00	121 915	28	27	SHNN	128	7
NANLIGHT	4002	830201	815 4030.00 6928.00	845 4030.00 6928.00	406 01	50	50	SHNN	128	7
NANLIGHT	4004	830201	1000 4030.00 6928.00	1037 4030.00 6928.00	406 01	50	50	NNNN	128	7
NANLIGHT	4006	830202	850 4030.00 6928.00	926 4030.00 6928.00	121 914	28	29	NNNN	128	3
NANLIGHT	4006	830202	850 4030.00 6928.00	926 4030.00 6928.00	406 01	1	50	NNNN	128	3
NANLIGHT	4008	830202	1035 4030.00 6928.00	1110 4030.00 6928.00	121 914	29	25	NNNN	128	3
NANLIGHT	4008	830202	1035 4030.00 6928.00	1110 4030.00 6928.00	406 01	50	50	NNNN	128	3
NANLIGHT	4010	830203	735 4030.00 6928.00	810 4030.00 6928.00	121 914	28	0	ESXX	128	17
NANLIGHT	4010	830203	735 4030.00 6928.00	810 4030.00 6928.00	406 01	50	50	NNNN	128	17
NANLIGHT	4012	830203	925 4030.00 6928.00	957 4030.00 6928.00	121 913	32	32	NNNN	128	17
NANLIGHT	4012	830203	925 4030.00 6928.00	957 4030.00 6928.00	406 01	50	50	NNNN	128	17
NANLIGHT	4014	830203	1110 4030.00 6928.00	1140 4030.00 6928.00	121 913	32	32	NNNN	128	17
NANLIGHT	4014	830203	1110 4030.00 6928.00	1140 4030.00 6928.00	406 01	50	50	NNNN	128	17
NANLIGHT	4016	830204	810 4030.00 6928.00	847 4030.00 6928.00	121 913	30	30	NNNN	128	9
NANLIGHT	4016	830204	810 4030.00 6928.00	847 4030.00 6928.00	406 01	50	50	NNNN	128	9
NANLIGHT	4018	830204	1000 4030.00 6928.00	1039 4030.00 6928.00	121 913	30	30	NNNN	128	11
NANLIGHT	4018	830204	1000 4030.00 6928.00	1039 4030.00 6928.00	406 01	50	50	NNNN	128	11
NANLIGHT	4020	830205	845 4030.00 6928.00	920 4030.00 6928.00	121 913	31	31	SHNN	128	11
NANLIGHT	4020	830205	845 4030.00 6928.00	920 4030.00 6928.00	406 01	50	50	SHNN	128	11
NANLIGHT	4022	830205	1035 4030.00 6928.00	1120 4030.00 6928.00	121 913	31	31	NNNN	128	11

NANLIGHT	4022	830295	1035	4030.00	6928.00	1108	4030.00	6928.00	406	01	50	50	NNXX	126	11
NANLIGHT	4024	830206	735	4030.00	6928.00	805	4030.00	6928.00	121	913	31	31	NNHH	129	7
NANLIGHT	4024	830296	735	4030.00	6928.00	805	4030.00	6928.00	406	01	50	50	NNNN	129	7
NANLIGHT	4026	830206	920	4030.00	6928.00	952	4030.00	6928.00	121	913	31	31	NNNN	129	7
NANLIGHT	4026	830206	920	4030.00	6928.00	952	4030.00	6928.00	406	01	50	50	NNNN	129	7
NANLIGHT	4028	830207	815	4030.00	6928.00	946	4030.00	6928.00	121	913	33	31	NNNN	129	13
NANLIGHT	4028	830207	815	4030.00	6928.00	846	4030.00	6928.00	406	01	49	47	SNXX	128	13
NANLIGHT	4030	830207	1000	4030.00	6928.00	1037	4030.00	6928.00	121	913	31	31	NNNN	128	15
NANLIGHT	4030	830207	1000	4030.00	6928.00	1037	4030.00	6928.00	406	01	47	49	SNXX	129	15
NANLIGHT	4032	830208	705	4030.00	6928.00	755	4030.00	6928.00	121	913	31	31	NNNN	129	10
NANLIGHT	4032	830208	705	4030.00	6928.00	755	4030.00	6928.00	406	01	50	50	NNNN	129	10
NANLIGHT	4034	830208	845	4030.00	6928.00	931	4030.00	6928.00	121	913	31	31	NNNN	129	10
NANLIGHT	4034	830208	845	4030.00	6928.00	931	4030.00	6928.00	406	01	50	50	NNNN	129	10
NANLIGHT	4036	830208	1035	4030.00	6928.00	1110	4030.00	6928.00	121	913	31	31	NNNN	129	9
NANLIGHT	4036	830208	1035	4030.00	6928.00	1110	4030.00	6928.00	406	01	50	50	HSXX	128	9
NANLIGHT	4038	830209	735	4030.00	6928.00	814	4030.00	6928.00	121	913	31	30	NNNN	129	11
NANLIGHT	4038	830209	735	4030.00	6928.00	814	4030.00	6928.00	406	01	50	50	NNNN	129	11
NANLIGHT	4040	830209	930	4030.00	6928.00	958	4030.00	6928.00	121	913	30	30	NNNN	129	11
NANLIGHT	4040	830209	930	4030.00	6928.00	958	4030.00	6928.00	406	01	50	50	NNNN	129	11
NANLIGHT	4042	830210	810	4030.00	6928.00	850	4030.00	6928.00	121	913	30	30	NNNN	129	7
NANLIGHT	4042	830210	810	4030.00	6928.00	850	4030.00	6928.00	406	01	50	50	NNNN	129	7
NANLIGHT	4044	830210	1000	4030.00	6928.00	1032	4030.00	6928.00	121	913	30	30	NNNN	129	6
NANLIGHT	4044	830210	1000	4030.00	6928.00	1032	4030.00	6928.00	406	01	50	50	NNNN	129	6
NANLIGHT	4046	830211	700	4030.00	6928.00	732	4030.00	6928.00	121	913	30	29	NNNN	128	4
NANLIGHT	4046	830211	700	4030.00	6928.00	732	4030.00	6928.00	406	01	50	50	NNNN	129	4
NANLIGHT	4048	830211	845	4030.00	6928.00	926	4030.00	6928.00	121	913	29	29	NNNN	129	5
NANLIGHT	4048	830211	845	4030.00	6928.00	926	4030.00	6928.00	406	01	50	50	NNNN	129	5
NANLIGHT	4050	830211	1035	4030.00	6928.00	1105	4030.00	6928.00	121	913	29	29	HSXX	129	5
NANLIGHT	4050	830211	1035	4030.00	6928.00	1105	4030.00	6928.00	406	01	50	50	HSXX	129	5
NANLIGHT	4052	830212	730	4030.00	6928.00	808	4030.00	6928.00	121	913	31	31	NNNN	129	23
NANLIGHT	4052	830212	730	4030.00	6928.00	808	4030.00	6928.00	406	01	50	50	NNNN	129	23
NANLIGHT	4054	830212	925	4030.00	6928.00	1000	4030.00	6928.00	121	913	30	30	SDNN	129	23
NANLIGHT	4054	830212	925	4030.00	6928.00	1000	4030.00	6928.00	406	01	50	50	SDNN	129	23
NANLIGHT	4056	830213	810	4030.00	6928.00	850	4030.00	6928.00	121	913	29	29	NNNN	129	5
NANLIGHT	4056	830213	810	4030.00	6928.00	850	4030.00	6928.00	406	01	47	47	NNNN	129	5
NANLIGHT	4058	830213	1000	4030.00	6928.00	1045	4030.00	6928.00	121	913	29	29	NNNN	128	6
NANLIGHT	4058	830213	1000	4030.00	6928.00	1045	4030.00	6928.00	406	01	47	47	NNNN	129	6
NANLIGHT	4060	830214	700	4030.00	6928.00	735	4030.00	6928.00	121	913	29	29	NNNN	129	2
NANLIGHT	4060	830214	700	4030.00	6928.00	735	4030.00	6928.00	406	01	47	47	NNNN	128	2
NANLIGHT	4062	830214	845	4030.00	6928.00	945	4030.00	6928.00	121	913	29	29	NNNN	129	2
NANLIGHT	4062	830214	845	4030.00	6928.00	945	4030.00	6928.00	406	01	47	47	NNNN	129	2
NANLIGHT	4064	830215	735	4030.00	6928.00	818	4030.00	6928.00	121	913	29	29	NNNN	129	6
NANLIGHT	4064	830215	735	4030.00	6928.00	818	4030.00	6928.00	406	01	49	49	NNNN	128	6
NANLIGHT	4066	830215	920	4030.00	6928.00	958	4030.00	6928.00	121	913	29	29	NNHH	128	6
NANLIGHT	4066	830215	920	4030.00	6928.00	958	4030.00	6928.00	406	01	49	49	NNNN	128	6
NANLIGHT	4072	830217	0700	4030.00	6928.00	0735	4030.00	6928.00	121	0000	25	25	NNHH	0	6
NANLIGHT	4072	830217	0700	4030.00	6928.00	0735	4030.00	6928.00	406	0000	45	45	NNNN	0	6
NANLIGHT	4074	830217	0845	4030.00	6928.00	0920	4030.00	6928.00	121	0000	25	23	NNHH	0	6
NANLIGHT	4074	830217	0845	4030.00	6928.00	0920	4030.00	6928.00	406	07	45	45	NNNN	0	6
NANLIGHT	4076	830218	0735	4030.00	6928.00	0810	4030.00	6928.00	121	0000	25	23	NNNN	0	8
NANLIGHT	4076	830218	0735	4030.00	6928.00	0810	4030.00	6928.00	406	07	47	45	NNNN	0	8
NANLIGHT	4078	830218	0925	4030.00	6928.00	0955	4030.00	6928.00	121	0000	24	22	NNNN	0	10
NANLIGHT	4078	830218	0925	4030.00	6928.00	0955	4030.00	6928.00	406	07	46	46	NNNN	0	10
NANLIGHT	4080	830219	0810	4030.00	6928.00	0845	4030.00	6928.00	406	07	46	46	NNHH	0	15
NANLIGHT	4082	830220	0700	4030.00	6928.00	0735	4030.00	6928.00	121	0000	33	0	NNNN	0	12
NANLIGHT	4082	830220	0700	4030.00	6928.00	0735	4030.00	6928.00	406	07	47	44	NNNN	0	12
NANLIGHT	4086	830221	0735	4030.00	6928.00	0810	4030.00	6928.00	121	0000	29	28	NNNN	0	6
NANLIGHT	4086	830221	0735	4030.00	6928.00	0810	4030.00	6928.00	406	07	47	45	NNNN	0	6
NANLIGHT	4088	830221	0925	4030.00	6928.00	0955	4030.00	6928.00	121	0000	29	27	NNNN	0	6
NANLIGHT	4088	830221	0925	4030.00	6928.00	0955	4030.00	6928.00	406	0000	45	46	NNXX	0	6
NANLIGHT	4090	830222	0810	4030.00	6928.00	0845	4030.00	6928.00	406	0000	45	45	ENNN	0	4
NANLIGHT	4092	830223	0700	4030.00	6928.00	0735	4030.00	6928.00	121	0000	28	28	NNNN	0	4
NANLIGHT	4092	830223	0700	4030.00	6928.00	0735	4030.00	6928.00	406	07	46	46	NNNN	0	4
NANLIGHT	4094	830223	850	4030.00	6928.00	920	4030.00	6928.00	121	912	29	26	SNHH	0	6
NANLIGHT	4094	830223	850	4030.00	6928.00	920	4030.00	6928.00	406	07	46	44	SNHH	0	6
NANLIGHT	4096	830224	0735	4030.00	6928.00	0810	4030.00	6928.00	406	07	46	45	NNHH	0	15

NANLIGHT	4098	830225	0810	4030.00	6928.00	0845	4030.00	6928.00	121	0000	41	39	NNNN	0	3
NANLIGHT	4098	830225	0810	4030.00	6928.00	0845	4030.00	6928.00	406	05	46	46	NNNN	0	3
NANLIGHT	4100	830226	700	4030.00	6928.00	735	4030.00	6928.00	121	911	40	0	SHNN	0	30
NANLIGHT	4100	830226	700	4030.00	6928.00	735	4030.00	6928.00	406	05	45	0	SHNN	0	30
NANLIGHT	4104	830227	0735	4030.00	6928.00	0810	4030.00	6928.00	121	911	40	35	NNNN	0	6
NANLIGHT	4104	830227	0735	4030.00	6928.00	0810	4030.00	6928.00	406	05	45	45	NNNN	0	6
NANLIGHT	4106	830228	0810	4030.00	6928.00	0845	4030.00	6928.00	121	911	28	26	NNNN	0	2
NANLIGHT	4106	830228	0810	4030.00	6928.00	0845	4030.00	6928.00	406	05	46	46	NNNN	0	2
NANLIGHT	4108	830301	700	4030.00	6928.00	735	4030.00	6928.00	121	911	38	35	NNNN	0	2
NANLIGHT	4108	830301	700	4030.00	6928.00	735	4030.00	6928.00	406	05	46	46	NNNN	0	2
NANLIGHT	4110	830302	735	4030.00	6928.00	810	4030.00	6928.00	121	05	30	34	NNNN	0	12
NANLIGHT	4110	830302	735	4030.00	6928.00	810	4030.00	6928.00	406	05	45	45	NNNN	0	12
NANLIGHT	4114	830304	700	4030.00	6928.00	735	4030.00	6928.00	406	05	46	0	ENXX	0	6
NANLIGHT	4114	830304	700	4030.00	6928.00	735	4030.00	6928.00	121	911	35	35	ENNN	0	6
NANLIGHT	4116	830305	735	4030.00	6928.00	810	4030.00	6928.00	121	911	28	30	NNNN	0	2
NANLIGHT	4116	830305	735	4030.00	6928.00	810	4030.00	6928.00	406	07	45	45	NNNN	0	2
NANLIGHT	4118	830307	700	4030.00	6928.00	735	4030.00	6928.00	121	911	34	30	NNNN	0	3
NANLIGHT	4118	830307	700	4030.00	6928.00	735	4030.00	6928.00	406	05	40	0	ENXX	0	3
NANLIGHT	4124	830312	1630	4030.00	6928.00	1700	4030.00	6928.00	121	914	47	47	NNNN	0	13
NANLIGHT	4124	830312	1630	4030.00	6928.00	1700	4030.00	6928.00	406	03	50	50	NDNN	999	0
NANLIGHT	4124	830312	1630	4030.00	6928.00	1700	4030.00	6928.00	406	05	50	50	NNNN	0	13
NANLIGHT	4126	830313	700	4030.00	6928.00	730	4030.00	6928.00	121	914	47	47	NNNN	0	14
NANLIGHT	4126	830313	700	4030.00	6928.00	730	4030.00	6928.00	406	03	50	50	NDNN	999	0
NANLIGHT	4126	830313	700	4030.00	6928.00	730	4030.00	6928.00	406	06	50	50	NNNN	0	14
NANLIGHT	4128	830314	1555	4030.00	6928.00	1625	4030.00	6928.00	121	914	47	47	NNNN	0	7
NANLIGHT	4128	830314	1555	4030.00	6928.00	1625	4030.00	6928.00	406	03	50	50	NDNN	999	0
NANLIGHT	4128	830314	1555	4030.00	6928.00	1625	4030.00	6928.00	406	06	50	50	NNNN	0	7
NANLIGHT	4132	830317	1555	4030.00	6928.00	1625	4030.00	6928.00	121	914	35	34	NNNN	0	7
NANLIGHT	4132	830317	1555	4030.00	6928.00	1625	4030.00	6928.00	406	06	50	50	NNNN	0	7
NANLIGHT	4134	830318	1625	4030.00	6928.00	1700	4030.00	6928.00	121	915	49	47	NNNN	0	7
NANLIGHT	4134	830318	1625	4030.00	6928.00	1700	4030.00	6928.00	406	06	50	50	NNNN	0	7
NANLIGHT	4136	830319	1520	4030.00	6928.00	1550	4030.00	6928.00	121	915	47	46	NNNN	0	15
NANLIGHT	4136	830319	1520	4030.00	6928.00	1550	4030.00	6928.00	406	06	50	50	NNNN	0	15
NANLIGHT	4140	830321	1625	4030.00	6928.00	1700	4030.00	6928.00	406	06	50	50	NNNN	0	6
NANLIGHT	4144	830323	1550	4030.00	6928.00	1625	4030.00	6928.00	406	06	50	50	NNNN	0	12
NANLIGHT	4146	830324	1445	4030.00	6928.00	1515	4030.00	6928.00	406	06	50	50	NNNN	0	7
NANLIGHT	4148	830325	1515	4030.00	6928.00	1550	4030.00	6928.00	406	06	50	50	NNNN	0	20
NANLIGHT	4150	830326	1550	4030.00	6928.00	1625	4030.00	6928.00	406	06	50	50	NNNN	0	6
NANLIGHT	4152	830327	1440	4030.00	6928.00	1515	4030.00	6928.00	406	06	50	50	NNNN	0	4
NANLIGHT	4154	830328	1515	4030.00	6928.00	1550	4030.00	6928.00	406	06	50	50	NNNN	0	14
NANLIGHT	4156	830329	1410	4030.00	6928.00	1440	4030.00	6928.00	406	06	50	50	NNNN	0	8
NANLIGHT	4158	830329	1550	4030.00	6928.00	1625	4030.00	6928.00	406	06	50	50	NNNN	0	8
NANLIGHT	4160	830330	1440	4030.00	6928.00	1515	4030.00	6928.00	406	06	50	50	NNNN	0	6
NANLIGHT	4162	830330	1625	4030.00	6928.00	1700	4030.00	6928.00	406	06	50	50	NNNN	0	5
NANLIGHT	4164	830331	1515	4030.00	6928.00	1550	4030.00	6928.00	406	06	50	50	NNNN	0	1
NANLIGHT	4168	830401	1405	4030.00	6928.00	1440	4030.00	6928.00	406	00	00	00	SDNN	999	20
NANLIGHT	4168	830401	1405	4030.00	6928.00	1440	4030.00	6928.00	121	00	00	00	SDNN	999	20
NANLIGHT	4170	830401	1550	4030.00	6928.00	1625	4030.00	6928.00	121	00	00	00	SDNN	999	20
NANLIGHT	4170	830401	1550	4030.00	6928.00	1625	4030.00	6928.00	406	00	00	00	SDNN	999	20
NANLIGHT	4172	830402	1440	4030.00	6928.00	1515	4030.00	6928.00	121	920	25	00	SHNN	0	10
NANLIGHT	4172	830402	1440	4030.00	6928.00	1515	4030.00	6928.00	406	04	45	00	SHNN	0	10
NANLIGHT	4174	830402	1625	4030.00	6928.00	1700	4030.00	6928.00	121	920	27	27	NNNN	0	8
NANLIGHT	4174	830402	1625	4030.00	6928.00	1700	4030.00	6928.00	406	04	45	45	NDNN	0	8
NANLIGHT	4176	830403	1515	4030.00	6928.00	1550	4030.00	6928.00	121	916	26	25	NNNN	0	6
NANLIGHT	4176	830403	1515	4030.00	6928.00	1550	4030.00	6928.00	406	08	45	45	NDNN	0	6
NANLIGHT	4178	830404	1405	4030.00	6928.00	1440	4030.00	6928.00	121	920	25	25	NNNN	0	4
NANLIGHT	4178	830404	1405	4030.00	6928.00	1440	4030.00	6928.00	406	04	45	45	NDNN	0	4
NANLIGHT	4180	830404	1550	4030.00	6928.00	1625	4030.00	6928.00	121	920	25	24	NNNN	0	4
NANLIGHT	4180	830404	1550	4030.00	6928.00	1625	4030.00	6928.00	406	04	45	45	NNNN	0	4
NANLIGHT	4182	830405	1440	4030.00	6928.00	1515	4030.00	6928.00	121	916	25	25	NNNN	0	3
NANLIGHT	4182	830405	1440	4030.00	6928.00	1515	4030.00	6928.00	406	04	45	45	NNNN	0	3
NANLIGHT	4184	830405	1625	4030.00	6928.00	1700	4030.00	6928.00	121	916	25	29	NNNN	0	3
NANLIGHT	4184	830405	1625	4030.00	6928.00	1700	4030.00	6928.00	406	08	46	0	NNNN	0	3
NANLIGHT	4186	830406	1330	4030.00	6928.00	1405	4030.00	6928.00	121	920	25	27	NNNN	0	1
NANLIGHT	4186	830406	1330	4030.00	6928.00	1405	4030.00	6928.00	406	04	45	46	NNNN	0	1
NANLIGHT	4194	830404	1330	4030.00	6928.00	1405	4030.00	6928.00	406	04	45	46	NNNN	0	0

NANLIGHT	4188	830406	1515	4030.00	6928.00	1550	4030.00	6928.00	121	920	27	27	NNNN	0	1
NANLIGHT	4188	830406	1515	4030.00	6928.00	1550	4030.00	6928.00	406	04	46	46	NNNN	0	1
NANLIGHT	4190	830407	1405	4030.00	6928.00	1440	4030.00	6928.00	121	920	25	25	NNNN	0	0
NANLIGHT	4190	830407	1405	4030.00	6928.00	1440	4030.00	6928.00	406	04	46	46	NNNN	0	0
NANLIGHT	4190	830407	1405	4030.00	6928.00	1440	4030.00	6928.00	406	08	46	46	NDNN	999	0
NANLIGHT	4192	830407	1550	4030.00	6928.00	1625	4030.00	6928.00	121	920	25	25	NNNN	0	0
NANLIGHT	4192	830407	1550	4030.00	6928.00	1625	4030.00	6928.00	406	04	47	45	NNNN	0	0
NANLIGHT	4192	830407	1550	4030.00	6928.00	1625	4030.00	6928.00	406	08	47	45	NDNN	999	0
NANLIGHT	4194	830408	1440	4030.00	6928.00	1515	4030.00	6928.00	121	920	25	24	NNNN	0	2
NANLIGHT	4194	830408	1440	4030.00	6928.00	1515	4030.00	6928.00	406	04	45	47	NNNN	0	2
NANLIGHT	4194	830408	1440	4030.00	6928.00	1515	4030.00	6928.00	406	08	45	47	NDNN	999	0
NANLIGHT	4196	830408	1625	4030.00	6928.00	1700	4030.00	6928.00	121	920	25	25	NNNN	0	5
NANLIGHT	4196	830408	1625	4030.00	6928.00	1700	4030.00	6928.00	406	04	47	47	NNNN	0	5
NANLIGHT	4198	830409	1330	4030.00	6928.00	1405	4030.00	6928.00	121	920	25	25	NNNN	0	5
NANLIGHT	4198	830409	1330	4030.00	6928.00	1405	4030.00	6928.00	406	04	45	45	NNNN	0	5
NANLIGHT	4200	830409	1515	4030.00	6928.00	1550	4030.00	6928.00	121	920	25	25	NNNN	0	8
NANLIGHT	4200	830409	1515	4030.00	6928.00	1550	4030.00	6928.00	406	04	45	45	NNNN	0	8
NANLIGHT	4202	830410	1405	4030.00	6928.00	1440	4030.00	6928.00	121	920	25	25	SNNN	0	10
NANLIGHT	4202	830410	1405	4030.00	6928.00	1440	4030.00	6928.00	406	04	47	47	SNNN	0	10
NANLIGHT	4204	830410	1550	4030.00	6928.00	1625	4030.00	6928.00	121	920	25	25	NNNN	0	10
NANLIGHT	4204	830410	1550	4030.00	6928.00	1625	4030.00	6928.00	406	04	46	46	NNNN	0	10
NANLIGHT	4208	830411	1440	4030.00	6928.00	1515	4030.00	6928.00	121	920	25	25	NNNN	0	8
NANLIGHT	4208	830411	1440	4030.00	6928.00	1515	4030.00	6928.00	406	04	45	45	NNNN	0	8
NANLIGHT	4212	830412	1330	4030.00	6928.00	1405	4030.00	6928.00	121	920	25	25	NNNN	0	4
NANLIGHT	4212	830412	1330	4030.00	6928.00	1405	4030.00	6928.00	406	04	47	47	NNNN	0	4
NANLIGHT	4212	830412	1330	4030.00	6928.00	1405	4030.00	6928.00	121	08	25	25	NNNN	0	4
NANLIGHT	4214	830412	1515	4030.00	6928.00	1550	4030.00	6928.00	121	920	24	22	NNNN	0	6
NANLIGHT	4214	830412	1515	4030.00	6928.00	1550	4030.00	6928.00	406	04	46	46	NNNN	0	6
NANLIGHT	4216	830413	1405	4030.00	6928.00	1440	4030.00	6928.00	121	920	24	24	NNNN	0	3
NANLIGHT	4216	830413	1405	4030.00	6928.00	1440	4030.00	6928.00	406	04	44	37	NNNN	0	3
NANLIGHT	4218	830413	1550	4030.00	6928.00	1625	4030.00	6928.00	121	920	24	22	NNNN	0	3
NANLIGHT	4220	830414	1255	4030.00	6928.00	1325	4030.00	6928.00	121	920	22	22	NNNN	0	4
NANLIGHT	4222	830414	1440	4030.00	6928.00	1515	4030.00	6928.00	121	920	22	22	NNNN	0	3
NANLIGHT	4224	830415	1330	4030.00	6928.00	1405	4030.00	6928.00	121	920	22	22	NNNN	0	4
NANLIGHT	4228	830416	1220	4030.00	6928.00	1250	4030.00	6928.00	121	920	22	20	NNNN	0	5
NANLIGHT	4230	830416	1400	4030.00	6928.00	1440	4030.00	6928.00	121	920	20	20	NNNN	0	5
FISHERIES	5050	830307	1200	4025.00	6851.00	1236	4025.00	6851.00	121	920	22	22	NNNN	0	0
FISHERIES	5050	830307	1200	4025.00	6851.00	1236	4025.00	6851.00	406	008	29	28	NNNN	0	0
FISHERIES	5052	830308	1235	4120.20	6655.70	1305	4117.50	6653.50	121	920	22	21	NNNN	0	7
FISHERIES	5052	830308	1235	4120.20	6655.70	1305	4117.50	6653.50	406	008	28	28	NNNN	0	7
FISHERIES	5054	830309	2130	4158.50	6802.10	2200	4158.70	6802.50	121	920	22	22	NNNN	0	9
FISHERIES	5054	830309	2130	4158.50	6802.10	2200	4158.70	6802.50	406	008	28	28	NNNN	0	9
FISHERIES	5058	830312	2130	4041.50	6844.00	2159	4041.10	6845.00	121	920	23	21	NNNN	0	12
FISHERIES	5058	830312	2130	4041.50	6844.00	2159	4041.10	6845.00	406	008	28	28	NNNN	0	12
FISHERIES	5060	830313	1200	4043.20	6858.50	1231	4042.80	6857.50	121	920	22	22	SNNN	0	8
FISHERIES	5060	830313	1200	4043.20	6858.50	1231	4042.80	6857.50	406	008	28	09	SNXX	0	8
FISHERIES	5062	830314	2055	4041.50	6908.70	2127	4040.70	6908.70	121	920	22	21	NNNN	0	0
FISHERIES	5062	830314	2055	4041.50	6908.70	2127	4040.70	6908.70	406	004	27	26	NNNN	0	0
FISHERIES	5068	830317	2055	4122.50	6837.00	2135	4116.00	6830.00	121	346	51	50	SDNN	210	3
FISHERIES	5068	830317	2055	4122.50	6837.00	2135	4116.00	6830.00	406	009	44	44	SDNN	210	3
FISHERIES	5144	830410	1905	4113.50	6700.90	1937	4113.30	6701.50	121	917	35	34	ESXX	0	5
FISHERIES	5144	830410	1905	4113.50	6700.90	1937	4113.30	6701.50	406	005	26	04	SNXX	0	5
FISHERIES	5146	830410	2050	4123.00	6701.00	2127	4123.00	6702.50	121	911	31	30	NNNN	0	6
FISHERIES	5146	830410	2050	4123.00	6701.00	2127	4123.00	6702.50	406	007	30	16	NNNN	0	6
FISHERIES	5148	830411	1759	4209.00	6702.00	1830	4208.20	6758.30	121	911	31	30	NNNN	0	8
FISHERIES	5148	830411	1759	4209.00	6702.00	1830	4208.20	6758.30	406	007	31	30	NNNN	0	8
FISHERIES	5150	830411	1951	4217.50	6703.50	2015	4217.50	6703.50	121	911	30	30	NNNN	0	10
FISHERIES	5150	830411	1951	4217.50	6703.50	2015	4217.50	6703.50	406	007	29	10	NNXX	0	10
FISHERIES	5152	830411	2125	4212.40	6659.20	2201	4213.40	6659.30	121	911	30	30	NNNN	0	6
FISHERIES	5152	830411	2125	4212.40	6659.20	2201	4213.40	6659.30	406	007	10	10	NNXX	0	6
FISHERIES	5154	830412	1830	4156.40	6735.50	1858	4155.80	6734.70	121	911	30	29	NNNN	0	3
FISHERIES	5154	830412	1830	4156.40	6735.50	1858	4155.80	6734.70	406	007	13	13	NNXX	0	3
FISHERIES	5156	830412	2015	4158.50	6727.80	2050	4157.40	6724.00	121	911	29	29	NNNN	0	3
FISHERIES	5156	830412	2015	4158.50	6727.80	2050	4157.40	6724.00	406	007	13	13	NNXX	0	3
FISHERIES	5158	830413	1905	4154.40	6710.90	1940	4153.20	6710.70	121	911	30	30	NNNN	0	3
FISHERIES	5158	830413	1905	4154.40	6710.90	1940	4153.20	6710.70	406	007	20	19	NNNN	0	3

FISHERIES	5160	830413	1950	4155.10	6709.30	2131	4156.00	6711.30	121	911	30	29	NNNN	0	3
FISHERIES	5160	830413	1950	4155.10	6709.30	2131	4156.00	6711.30	406	007	19	19	NNNN	0	3
FISHERIES	5162	830414	1756	4154.00	6708.50	1822	4155.30	6705.50	121	911	29	29	NNNN	0	2
FISHERIES	5162	830414	1756	4154.00	6708.50	1822	4155.30	6705.50	406	007	19	19	NNNN	0	2
FISHERIES	5164	830414	1940	4145.00	6708.50	2015	4143.90	6706.10	121	911	29	29	NNNN	0	3
FISHERIES	5164	830414	1940	4145.00	6708.50	2015	4143.90	6706.10	406	007	19	14	NNNN	0	3
FISHERIES	5174	830416	2111	4148.60	6918.50	2140	4148.00	6920.10	121	911	28	28	LNXN	0	4
FISHERIES	5174	830416	2111	4148.60	6918.50	2140	4148.00	6920.10	406	007	14	14	LNXN	0	4
FISHERIES	5176	830417	1755	4219.10	6617.20	1835	4216.00	6620.00	121	911	29	00	SXNX	0	3
FISHERIES	5176	830417	1755	4219.10	6617.20	1835	4216.00	6620.00	406	007	21	00	SXNX	0	3
FISHERIES	5188	830421	1645	4128.00	6629.00	1725	4129.00	6630.00	121	911	29	29	NNNN	0	4
FISHERIES	5188	830421	1645	4128.00	6629.00	1725	4129.00	6630.00	406	007	24	20	NNNN	0	4
FISHERIES	5190	830421	1826	4126.00	6640.00	1907	4127.00	6641.00	121	911	29	29	NNNN	0	4
FISHERIES	5190	830421	1826	4126.00	6640.00	1907	4127.00	6641.00	406	007	20	18	NNNN	0	4
FISHERIES	5192	830422	1716	4208.70	6703.60	1855	4208.90	6703.50	121	911	29	29	NNNN	0	0
FISHERIES	5192	830422	1716	4208.70	6703.60	1855	4208.90	6703.50	406	007	18	18	NNNN	0	0
FISHERIES	5194	830422	1905	4211.30	6707.80	2043	4211.40	6707.70	121	911	29	29	NNNN	0	0
FISHERIES	5194	830422	1905	4211.30	6707.80	2043	4211.40	6707.70	406	007	24	22	NNNN	0	0
FISHERIES	5196	830423	1751	4153.30	6648.90	1840	4153.00	6649.80	121	911	29	28	NNNN	0	1
FISHERIES	5196	830423	1751	4153.30	6648.90	1840	4153.00	6649.80	406	007	25	25	NNNN	0	1
FISHERIES	5198	830423	1940	4142.00	6655.00	2027	4143.00	6657.00	121	911	28	28	NNNN	0	0
FISHERIES	5198	830423	1940	4142.00	6655.00	2027	4143.00	6657.00	406	007	25	24	NNNN	0	0
FISHERIES	5200	830424	1647	4137.40	6833.80	1715	4137.30	6834.20	121	911	28	28	NNNN	0	4
FISHERIES	5200	830424	1647	4137.40	6833.80	1715	4137.30	6834.20	406	007	24	24	NNNN	0	4
FISHERIES	5204	830425	1905	4150.00	6920.00	1940	4151.00	6918.00	121	911	28	28	NNNN	0	4
FISHERIES	5204	830425	1905	4150.00	6920.00	1940	4151.00	6918.00	406	007	24	22	NNNN	0	4
FISHERIES	5206	830426	1609	4204.00	6746.20	1646	4203.00	6747.20	121	911	29	29	NNNN	0	2
FISHERIES	5206	830426	1609	4204.00	6746.20	1646	4203.00	6747.20	406	007	23	22	NNNN	0	2
FISHERIES	5208	830426	1749	4159.30	6748.90	1833	4158.00	6750.00	121	911	29	29	NNNN	0	6
FISHERIES	5208	830426	1749	4159.30	6748.90	1833	4158.00	6750.00	406	007	22	22	NNNN	0	6
FISHERIES	5210	830426	1940	4152.50	6752.70	2011	4152.50	6752.40	121	911	29	29	NNNN	0	6
FISHERIES	5210	830426	1940	4152.50	6752.70	2011	4152.50	6752.40	406	007	27	26	NNNN	0	6
FISHERIES	5212	830427	1643	4125.00	6830.00	1719	4125.00	6829.00	121	911	29	29	NNNN	0	0
FISHERIES	5212	830427	1643	4125.00	6830.00	1719	4125.00	6829.00	406	007	28	27	NNNN	0	0
FISHERIES	5246	830505	1545	4132.23	6905.64	1700	4131.40	6904.80	121	346	50	45	NNNN	0	3
FISHERIES	5246	830505	1545	4132.23	6905.64	1700	4132.40	6904.80	406	003	50	50	NNNN	0	3
FISHERIES	5248	830505	1730	4131.70	6904.90	1837	4131.53	6905.01	121	346	45	45	NNNN	0	3
FISHERIES	5248	830505	1730	4131.70	6904.90	1837	4131.53	6905.01	406	003	50	11	NNXX	0	3
FISHERIES	5250	830506	1437	4214.70	6640.40	1525	4206.50	6638.10	121	346	50	50	SDNN	210	3
FISHERIES	5250	830506	1437	4214.70	6640.40	1525	4206.50	6638.10	406	006	50	47	SDNN	210	3
FISHERIES	5252	830506	1625	4153.30	6635.70	1717	4144.00	6634.30	121	912	47	43	SDNN	210	2
FISHERIES	5252	830506	1625	4153.30	6635.70	1717	4144.00	6634.30	406	006	43	46	SDNN	210	2
FISHERIES	5254	830506	1813	4149.60	6647.30	1855	4154.00	6656.45	121	912	44	42	SDNN	210	3
FISHERIES	5254	830506	1813	4149.60	6647.30	1855	4154.00	6656.45	406	006	46	46	SDNN	210	3
FISHERIES	5256	830507	1510	4154.41	6724.10	1612	4153.14	6724.42	121	912	43	50	NNNN	0	2
FISHERIES	5256	830507	1510	4154.41	6724.10	1612	4153.14	6724.42	406	006	46	46	NNNN	0	2
FISHERIES	5260	830508	1545	4114.00	6633.50	1647	4113.30	6633.70	121	912	42	42	NNNN	0	2
FISHERIES	5260	830508	1545	4114.00	6633.50	1647	4113.30	6633.70	406	006	46	46	NNNN	0	2
FISHERIES	5262	830508	1735	4118.60	6631.50	1822	4118.60	6631.50	121	912	42	41	SDNN	210	2
FISHERIES	5262	830508	1735	4118.60	6631.50	1822	4118.60	6631.50	406	006	46	48	SDNN	210	2
FISHERIES	5264	830509	1440	4203.00	6656.00	1525	4203.60	6702.80	121	912	41	42	SDNN	210	2
FISHERIES	5264	830509	1440	4203.00	6656.00	1525	4203.60	6702.80	406	006	48	46	SDNN	210	2
FISHERIES	5266	830509	1620	4210.80	6703.50	1727	4210.40	6701.40	121	912	40	39	NNNN	0	2
FISHERIES	5266	830509	1620	4210.80	6703.50	1727	4210.40	6701.40	406	006	46	46	NNNN	0	2
FISHERIES	5278	830512	1435	4156.00	6733.00	1540	4156.00	6732.00	121	912	41	39	NNNN	0	2
FISHERIES	5278	830512	1435	4156.00	6733.00	1540	4156.00	6732.00	406	006	46	0	NNXX	0	2
FISHERIES	5280	830512	1625	4153.00	6728.00	1734	4150.70	6726.40	121	919	50	49	NNNN	0	1
FISHERIES	5280	830512	1625	4153.00	6728.00	1734	4150.70	6726.40	406	003	43	4	NNXX	0	1
FISHERIES	5282	830513	1510	4136.60	6546.20	1621	4136.40	6546.70	121	919	50	48	NNNN	0	2
FISHERIES	5282	830513	1510	4136.60	6546.20	1621	4136.40	6546.70	406	009	50	48	NNNN	0	2
FISHERIES	5284	830513	1658	4133.60	6547.20	1758	4133.60	6547.20	121	919	48	46	NNNN	0	2
FISHERIES	5284	830513	1658	4133.60	6547.20	1758	4133.60	6547.20	406	009	48	10	NNXX	0	2
FISHERIES	5286	830514	1400	4056.80	6600.80	1456	4056.20	6600.20	121	919	50	48	NNNN	0	2
FISHERIES	5286	830514	1400	4056.80	6600.80	1456	4056.20	6600.20	406	009	50	4	NNXX	0	2
FISHERIES	5288	830514	1545	4054.80	6553.30	1648	4054.50	6552.50	121	919	48	46	NNNN	0	2
FISHERIES	5288	830514	1545	4054.80	6553.30	1648	4054.50	6552.50	406	006	46	46	NNNN	0	2

FISHERIES	5296	830516	1512	4056.70	6804.00	1608	4058.10	6806.90	121	919	49	45	NNNN	0	3
FISHERIES	5296	830516	1512	4056.70	6804.00	1608	4058.10	6806.90	406	009	35	11	NNXN	0	3
FISHERIES	5298	830516	1600	4058.75	6812.90	1800	4100.00	6813.10	121	919	46	46	NNNN	0	3
FISHERIES	5298	830516	1600	4058.75	6812.90	1800	4100.00	6813.10	406	006	46	46	NNNN	0	3
FIREBUSH	6002	830825	1940	5741.0015141.00		2048	5741.7515143.50		121	509	36	34	NNNN	180	2
FIREBUSH	6002	830825	1940	5741.0015141.75		2048	5741.7515143.50		406	6	36	37	NNNN	180	2
FIREBUSH	6002	830825	1940	5741.0015141.75		2048	5741.7515143.50		406	12	44	44	NNNH	180	2
FIREBUSH	6003	830825	2326	5742.3015148.00		2408	5742.3015148.00		121	509	36	34	NNNN	180	2
FIREBUSH	6003	830825	2326	5742.3015148.00		2408	5742.3015148.00		406	6	36	37	NNNN	180	2
FIREBUSH	6003	830825	2326	5742.3015148.00		2408	5742.3015148.00		406	12	44	44	NNNH	180	2
FIREBUSH	6016	830827	1339	5624.4015310.00		1609	5624.7515308.75		121	509	36	34	NNNN	180	3
FIREBUSH	6016	830827	1339	5624.4015310.00		1609	5624.7515308.75		406	6	30	37	NNNN	180	3
FIREBUSH	6016	830827	1339	5624.4015310.00		1609	5624.7515308.75		406	12	45	44	NNNH	180	3
FIREBUSH	6022	830828	212	5623.5015311.20		303	5623.7015307.00		121	509	34	34	NNNN	180	3
FIREBUSH	6022	830828	212	5623.5015311.20		303	5623.7015307.00		406	6	37	37	NNNN	180	4
FIREBUSH	6022	830828	212	5623.5015311.20		303	5623.7015307.00		406	12	44	44	NNNH	180	4
FIREBUSH	6025	830828	1355	5623.9015314.20		1453	5623.0015314.00		121	509	36	34	NNNN	180	3
FIREBUSH	6025	830828	1355	5623.9015314.20		1453	5623.0015314.00		406	1	47	48	NNNN	180	3
FIREBUSH	6025	830828	1355	5623.9015314.20		1453	5623.0015314.00		406	12	44	44	NNNH	180	3
FIREBUSH	6027	830828	1705	5624.2015313.30		1755	5624.1015312.40		121	509	36	29	NNNN	180	5
FIREBUSH	6027	830828	1705	5624.2015313.30		1755	5624.1015312.40		406	1	47	48	NNNN	180	5
FIREBUSH	6027	830828	1705	5624.2015313.30		1755	5624.1015312.40		406	12	44	44	NNNH	180	5
FIREBUSH	6030	830828	2303	5627.3015309.17		2355	5627.6715309.00		121	509	36	29	NNNN	180	2
FIREBUSH	6030	830828	2303	5627.3015309.17		2355	5627.6715309.00		406	1	47	48	NNNN	180	2
FIREBUSH	6030	830828	2303	5627.3015309.17		2355	5627.6715309.00		406	15	43	44	NNNH	180	2
FIREBUSH	6031	830829	49	5627.4015307.50		141	5627.8015307.20		121	509	36	29	NNNN	180	1
FIREBUSH	6031	830829	49	5627.4015307.50		141	5627.8015307.20		406	1	47	48	NNNH	180	1
FIREBUSH	6031	830829	49	5627.4015307.50		141	5627.8015307.20		406	15	43	44	NNNH	180	1
FIREBUSH	6032	830829	300	5625.0015311.00		345	5626.5015306.00		121	509	36	29	NNNN	180	0
FIREBUSH	6032	830829	300	5625.0015311.00		345	5626.5015306.00		406	1	47	48	NNNN	180	0
FIREBUSH	6032	830829	300	5625.0015311.00		345	5626.5015306.00		406	15	43	44	NNNH	180	0
FIREBUSH	6033	830829	435	5626.0015307.50		526	5626.0015307.50		121	509	29	29	NNNN	180	2
FIREBUSH	6033	830829	435	5626.0015307.50		526	5626.0015307.50		406	1	48	48	NNNN	180	2
FIREBUSH	6033	830829	435	5626.0015307.50		526	5626.0015307.50		406	15	44	44	NNNH	180	2
FIREBUSH	6039	830829	2340	5626.0015307.50		2453	5626.0015307.50		121	509	30	30	NNNN	180	2
FIREBUSH	6039	830829	2340	5626.0015307.50		2453	5626.0015307.50		406	1	47	47	NNNN	180	2
FIREBUSH	6039	830829	2340	5626.0015307.50		2453	5626.0015307.50		406	15	44	44	NNNH	180	2
FIREBUSH	6040	830830	140	5626.0015307.50		206	5626.0015307.50		121	509	30	30	NNNN	180	1
FIREBUSH	6040	830830	140	5626.0015307.50		206	5626.0015307.50		406	6	47	47	NNNN	180	2
FIREBUSH	6040	830830	140	5626.0015307.50		206	5626.0015307.50		406	15	44	44	NNNH	180	2
FIREBUSH	6041	830830	425	5625.3015307.30		510	5625.3015307.30		121	509	30	30	NNNN	180	1
FIREBUSH	6041	830830	425	5625.3015307.30		510	5625.3015307.30		406	6	48	48	NNNH	180	1
FIREBUSH	6041	830830	425	5625.3015307.30		510	5625.3015307.30		406	15	44	44	NNNH	180	1
FIREBUSH	6042	830830	601	5625.3015307.30		646	5625.3015307.30		121	509	30	30	NNNN	180	2
FIREBUSH	6042	830830	601	5625.3015307.30		646	5625.3015307.30		406	6	48	48	NNNN	180	2
FIREBUSH	6042	830830	601	5625.3015307.30		646	5625.3015307.30		406	15	44	44	NNNH	180	2
FIREBUSH	6043	830830	1455	5632.6015304.50		1553	5632.5015303.80		121	509	38	38	NNNN	180	2
FIREBUSH	6043	830830	1455	5632.6015304.50		1553	5632.5015303.80		406	6	49	49	NNNN	180	2
FIREBUSH	6043	830830	1455	5632.6015304.50		1553	5632.5015303.80		406	15	44	44	NNNH	180	2
FIREBUSH	6044	830830	1641	5632.3015309.00		1734	5633.0015310.30		121	509	38	38	NNNN	180	2
FIREBUSH	6044	830830	1641	5632.3015309.00		1734	5633.0015310.30		406	6	49	49	NNNN	180	2
FIREBUSH	6044	830830	1641	5632.3015309.00		1734	5633.0015310.30		406	15	44	44	NNNH	180	2
FIREBUSH	6045	830830	1800	5632.3015309.30		1914	5633.0015308.30		406	6	49	49	NNNN	180	2
FIREBUSH	6045	830830	1800	5632.3015309.30		1914	5633.0015308.30		406	15	44	44	NNNH	180	2
FIREBUSH	6045	830830	1800	5632.3015309.30		1914	5633.0015308.30		121	509	38	38	NNNN	180	2
FIREBUSH	6046	830830	1941	5632.3015307.30		2034	5632.7015307.10		121	509	38	38	NNNN	180	2
FIREBUSH	6046	830830	1941	5632.3015307.30		2034	5632.7015307.10		406	6	49	49	NNNN	180	2
FIREBUSH	6046	830830	1941	5632.3015307.30		2034	5632.7015307.10		406	15	44	44	NNNH	180	2
FIREBUSH	6047	830830	2211	5632.5015303.00		2328	5632.5015301.00		121	509	38	38	NNNN	180	2
FIREBUSH	6047	830830	2211	5632.5015303.00		2328	5632.5015301.00		406	6	49	49	NNNN	180	2
FIREBUSH	6047	830830	2211	5632.5015303.00		2328	5632.5015301.00		406	15	44	44	NNNH	180	2
FIREBUSH	6048	830830	2355	5633.4015301.50		2448	5632.8015302.00		121	509	38	38	NNNN	180	2
FIREBUSH	6048	830830	2355	5633.4015301.50		2448	5632.8015302.00		406	6	49	49	NNNN	180	2
FIREBUSH	6048	830831	2355	5633.4015301.50		2448	5632.8015302.00		406	15	44	44	NNNH	180	2
FIREBUSH	6049	830831	147	5633.5015257.10		245	5633.6015257.20		121	509	38	38	NNNN	180	3
FIREBUSH	6049	830831	147	5633.5015257.10		245	5633.6015257.20		406	15	44	44	NNNH	180	3

LIGHTSHIP	6148	840222	1320	4222.92	7020.59	1435	4222.92	7020.59	406	1	43	42	NNNN	128	2
LIGHTSHIP	6148	840222	1320	4222.92	7020.59	1435	4222.92	7020.59	406	21	43	42	NNNT	128	2
LIGHTSHIP	6148	840222	1320	4222.92	7020.59	1435	4222.92	7020.59	406	22	43	42	NNNT	128	2
LIGHTSHIP	6149	840222	1510	4222.92	7020.59	1605	4222.92	7020.59	121	0	20	16	NNNN	128	2
LIGHTSHIP	6149	840222	1510	4222.92	7020.59	1605	4222.92	7020.59	406	3	43	7	NNNN	128	2
LIGHTSHIP	6149	840222	1510	4222.92	7020.59	1605	4222.92	7020.59	406	1	9	0	NNNN	128	2
LIGHTSHIP	6149	840222	1510	4222.92	7020.59	1605	4222.92	7020.59	406	21	43	7	NNNT	128	2
LIGHTSHIP	6149	840222	1510	4222.92	7020.59	1605	4222.92	7020.59	406	22	43	7	NNNT	128	2
LIGHTSHIP	6150	840223	610	4222.94	7020.58	720	4222.94	7020.58	121	0	20	16	NNNN	128	2
LIGHTSHIP	6150	840223	610	4222.94	7020.58	720	4222.94	7020.58	406	1	42	42	NNNN	128	1
LIGHTSHIP	6150	840223	610	4222.94	7020.58	720	4222.94	7020.58	406	4	40	10	NNNN	128	1
LIGHTSHIP	6150	840223	610	4222.94	7020.58	720	4222.94	7020.58	406	21	42	42	NNNT	128	1
LIGHTSHIP	6150	840223	610	4222.94	7020.58	720	4222.94	7020.58	406	22	42	42	NNNT	128	1
LIGHTSHIP	6151	840223	610	4222.94	7020.58	720	4222.94	7020.58	121	0	20	16	NNNN	128	1
LIGHTSHIP	6151	840223	610	4222.94	7020.58	720	4222.94	7020.58	406	1	42	42	NNNN	128	1
LIGHTSHIP	6151	840223	610	4222.94	7020.58	720	4222.94	7020.58	406	4	42	42	NNNN	128	1
LIGHTSHIP	6151	840223	610	4222.94	7020.58	720	4222.94	7020.58	406	21	40	10	NNNT	128	1
LIGHTSHIP	6151	840223	610	4222.94	7020.58	720	4222.94	7020.58	406	22	40	10	NNNT	128	1
LIGHTSHIP	6152	840223	750	4222.96	7020.55	850	4222.96	7020.55	121	0	16	16	NNNN	128	1
LIGHTSHIP	6152	840223	750	4222.96	7020.55	850	4222.96	7020.55	406	1	42	42	NNNN	128	1
LIGHTSHIP	6152	840223	750	4222.96	7020.55	850	4222.96	7020.55	406	4	42	42	NNNN	128	1
LIGHTSHIP	6152	840223	750	4222.96	7020.55	850	4222.96	7020.55	406	21	10	10	NNNT	128	1
LIGHTSHIP	6152	840223	750	4222.96	7020.55	850	4222.96	7020.55	406	22	10	10	NNNT	128	1
LIGHTSHIP	6153	840223	750	4222.96	7020.55	1040	4222.96	7020.55	121	0	16	16	NNNN	128	1
LIGHTSHIP	6153	840223	750	4222.96	7020.55	1040	4222.96	7020.55	406	1	42	42	NNNN	128	1
LIGHTSHIP	6153	840223	750	4222.96	7020.55	1040	4222.96	7020.55	406	4	42	42	NNNN	128	1
LIGHTSHIP	6153	840223	750	4222.96	7020.55	1040	4222.96	7020.55	406	21	10	10	NNNT	128	1
LIGHTSHIP	6153	840223	750	4222.96	7020.55	1040	4222.96	7020.55	406	22	10	10	NNNT	128	1
LIGHTSHIP	6154	840223	940	4222.95	7020.56	1040	4222.94	7020.61	121	0	16	16	NNNN	128	1
LIGHTSHIP	6154	840223	940	4222.95	7020.56	1040	4222.94	7020.61	406	1	40	10	NNNN	128	1
LIGHTSHIP	6154	840223	940	4222.95	7020.56	1040	4222.94	7020.61	406	4	40	10	NNNN	128	1
LIGHTSHIP	6154	840223	940	4222.95	7020.56	1040	4222.94	7020.61	406	21	40	40	NNNT	128	1
LIGHTSHIP	6154	840223	940	4222.95	7020.56	1040	4222.94	7020.61	406	22	40	40	NNNT	128	1
LIGHTSHIP	6155	840223	1210	4222.94	7020.58	1500	4222.94	7020.58	121	0	22	21	NNNN	128	1
LIGHTSHIP	6155	840223	1210	4222.94	7020.58	1500	4222.94	7020.58	406	1	28	16	NNNN	128	1
LIGHTSHIP	6155	840223	1210	4222.94	7020.58	1500	4222.94	7020.58	406	4	28	16	NNNN	128	1
LIGHTSHIP	6155	840223	1210	4222.94	7020.58	1500	4222.94	7020.58	406	21	36	12	NNNT	128	1
LIGHTSHIP	6155	840223	1210	4222.94	7020.58	1500	4222.94	7020.58	406	22	36	12	NNNT	128	1
LIGHTSHIP	6156	840223	1355	4222.94	7020.61	1500	4222.94	7020.61	121	0	21	21	NNNN	128	1
LIGHTSHIP	6156	840223	1355	4222.94	7020.61	1500	4222.94	7020.61	406	1	16	6	NNNN	128	1
LIGHTSHIP	6156	840223	1355	4222.94	7020.61	1500	4222.94	7020.61	406	4	16	6	NNNN	128	1
LIGHTSHIP	6156	840223	1355	4222.94	7020.61	1500	4222.94	7020.61	406	21	37	35	NNNT	128	1
LIGHTSHIP	6156	840223	1355	4222.94	7020.61	1500	4222.94	7020.61	406	22	37	35	NNNT	128	1
LIGHTSHIP	6157	840224	550	4222.90	7020.68	930	4222.90	7020.68	121	0	22	0	NNNN	128	4
LIGHTSHIP	6157	840224	550	4222.90	7020.68	930	4222.90	7020.68	406	1	20	0	NNNN	128	4
LIGHTSHIP	6157	840224	550	4222.90	7020.68	930	4222.90	7020.68	406	4	20	0	NNNN	128	4
LIGHTSHIP	6157	840224	550	4222.90	7020.68	930	4222.90	7020.68	406	21	35	0	NNNT	128	4
LIGHTSHIP	6157	840224	550	4222.90	7020.68	930	4222.90	7020.68	406	22	35	0	NNNT	128	4
LIGHTSHIP	6158	840224	550	4222.89	7020.70	930	4222.89	7020.70	121	0	22	0	NNNN	128	4
LIGHTSHIP	6158	840224	550	4222.89	7020.70	930	4222.89	7020.70	406	1	20	0	NNNN	128	4
LIGHTSHIP	6158	840224	550	4222.89	7020.70	930	4222.89	7020.70	406	4	20	0	NNNN	128	4
LIGHTSHIP	6158	840224	550	4222.89	7020.70	930	4222.89	7020.70	406	21	35	0	NNNT	128	4
LIGHTSHIP	6158	840224	550	4222.89	7020.70	930	4222.89	7020.70	406	22	35	0	NNNT	128	4
LIGHTSHIP	6159	840224	550	4222.88	7020.68	930	4222.88	7020.68	121	0	22	0	NNNN	128	6
LIGHTSHIP	6159	840224	550	4222.88	7020.68	930	4222.88	7020.68	406	1	20	0	NNNN	128	6
LIGHTSHIP	6159	840224	550	4222.88	7020.68	930	4222.88	7020.68	406	4	20	0	NNNN	128	6
LIGHTSHIP	6159	840224	550	4222.88	7020.68	930	4222.88	7020.68	406	21	35	0	NNNT	128	6
LIGHTSHIP	6159	840224	550	4222.88	7020.68	930	4222.88	7020.68	406	22	35	0	NNNT	128	6
LIGHTSHIP	6160	840224	550	4222.89	7020.70	930	4222.89	7020.70	121	0	22	0	NNNN	128	6
LIGHTSHIP	6160	840224	550	4222.89	7020.70	930	4222.89	7020.70	406	1	20	0	NNNN	128	6
LIGHTSHIP	6160	840224	550	4222.89	7020.70	930	4222.89	7020.70	406	4	20	0	NNNN	128	6
LIGHTSHIP	6160	840224	550	4222.89	7020.70	930	4222.89	7020.70	406	21	35	0	NNNT	128	6
LIGHTSHIP	6160	840224	550	4222.89	7020.70	930	4222.89	7020.70	406	22	35	0	NNNT	128	6
NORTHWIND	7000	830614	1848	3337.20	7800.60	1938	3337.60	7800.60	406	040	00	00	NDNN	269	0
NORTHWIND	7001	830614	2206	3333.50	7722.50	2306	3333.50	7722.50	406	040	00	00	NDNN	269	0
NORTHWIND	7002	830614	2346	3345.00	7703.10	2446	3345.00	7703.10	406	040	00	00	NDNN	269	0

NORTHWIND	7003	830614	2352	3345.70	7701.90	2452	3345.70	7701.90	406	040	00	00	NDNN	269	0
NORTHWIND	7004	830615	0126	3355.90	7642.90	0226	3355.90	7642.90	406	040	00	00	NDNN	269	0
NORTHWIND	7005	830615	0137	3357.20	7640.50	0237	3357.20	7640.50	406	040	00	00	NDNN	269	0
NORTHWIND	7006	830615	0403	3413.60	7606.20	0503	3413.60	7606.20	406	040	00	00	NDNN	269	0
NORTHWIND	7007	830615	0550	3427.50	7541.30	0650	3427.50	7541.30	406	040	00	00	NDNN	269	0
NORTHWIND	7008	830615	0734	3444.10	7514.80	0834	3444.10	7514.80	406	040	00	00	NDNN	269	0
NORTHWIND	7009	830615	1137	3512.25	7413.55	1237	3512.25	7413.55	406	040	00	00	NDNN	269	0
NORTHWIND	7010	830615	1206	3513.50	7407.10	1306	3513.50	7407.10	406	040	00	00	NDNN	269	0
NORTHWIND	7011	830615	1323	3517.65	7347.75	1423	3517.65	7347.75	406	040	00	00	NDNN	269	0
NORTHWIND	7012	830615	1345	3518.70	7342.70	1445	3518.70	7342.70	406	040	00	00	NDNN	269	0
NORTHWIND	7013	830615	1732	3536.30	7255.60	1832	3536.30	7255.60	406	040	00	00	NDNN	269	0
NORTHWIND	7014	830615	1918	3553.10	7229.80	2018	3553.10	7229.80	406	040	00	00	NDNN	269	0
NORTHWIND	7015	830615	2145	3612.50	7152.80	2245	3612.50	7152.80	406	040	00	00	NDNN	269	0
NORTHWIND	7016	830615	2243	3620.50	7135.20	2343	3620.50	7135.20	406	040	00	00	NDNN	269	0
NORTHWIND	7017	830615	2325	3626.20	7123.60	2425	3626.20	7123.60	406	040	00	00	NDNN	269	0
NORTHWIND	7018	830616	0026	3635.85	7104.90	0126	3635.85	7104.90	406	040	00	00	NDNN	269	0
NORTHWIND	7019	830616	0105	3642.00	7054.30	0205	3642.00	7054.30	406	040	00	00	NDNN	269	0
NORTHWIND	7020	830616	0432	3717.80	7001.60	0532	3717.80	7001.60	406	040	00	00	NDNN	269	0
NORTHWIND	7021	830616	0617	3733.40	6933.00	0717	3733.40	6933.00	406	040	00	00	NDNN	269	0
NORTHWIND	7022	830616	1028	3811.40	6820.40	1128	3811.40	6820.40	406	040	00	00	NDNN	269	0
NORTHWIND	7023	830616	1213	3825.80	6756.60	1313	3825.80	6756.60	406	040	00	00	NDNN	269	0
NORTHWIND	7024	830616	1323	3833.90	6744.60	1423	3833.90	6744.60	406	040	00	00	NDNN	269	0
NORTHWIND	7025	830616	1401	3838.20	6738.10	1501	3838.20	6738.10	406	040	00	00	NDNN	269	0
NORTHWIND	7026	830616	1616	3853.60	6713.40	1716	3853.60	6713.40	406	040	00	00	NDNN	269	0
NORTHWIND	7027	830616	1802	3904.70	6651.20	1902	3904.70	6651.20	406	040	00	00	NDNN	269	0
NORTHWIND	7028	830616	1949	3915.60	6628.50	2049	3915.60	6628.50	406	040	00	00	NDNN	269	0
NORTHWIND	7029	830616	2129	3927.40	6606.55	2229	3927.40	6606.55	406	040	00	00	NDNN	269	0
NORTHWIND	7030	830616	2304	3938.60	6547.10	2404	3938.60	6547.10	406	040	00	00	NDNN	269	0
NORTHWIND	7031	830616	2314	3940.05	6545.30	2414	3940.05	6545.30	406	040	00	00	NDNN	269	0
NORTHWIND	7032	830617	0045	3950.80	6525.70	0145	3950.80	6525.70	406	040	00	00	NDNN	269	0
NORTHWIND	7033	830617	0101	3952.90	6522.10	0201	3952.90	6522.10	406	040	00	00	NDNN	269	0
NORTHWIND	7034	830618	1140	4343.65	5723.45	1240	4343.65	5723.45	406	040	00	00	NDNN	269	0
NORTHWIND	7035	830618	1238	4346.70	5716.10	1338	4346.70	5716.10	406	040	00	00	NDNN	269	0
NORTHWIND	7036	830618	1327	4350.25	5709.45	1427	4350.25	5709.45	406	040	00	00	NDNN	269	0
NORTHWIND	7037	830618	1416	4355.80	5658.10	1516	4355.80	5658.10	406	040	00	00	NDNN	269	0
NORTHWIND	7038	830618	1715	4417.40	5613.80	1815	4417.40	5613.80	406	040	00	00	NDNN	269	0
NORTHWIND	7039	830618	1902	4429.60	5546.90	2002	4429.60	5546.90	406	040	00	00	NDNN	269	0
NORTHWIND	7040	830618	1906	4430.00	5545.90	2006	4430.00	5545.90	406	040	00	00	NDNN	269	0
NORTHWIND	7041	830618	2056	4444.50	5517.80	2156	4444.50	5517.80	406	040	00	00	NDNN	269	0
NORTHWIND	7042	830618	2121	4449.20	5501.10	2221	4449.20	5501.10	406	040	00	00	NDNN	269	0
NORTHWIND	7043	830618	2237	4450.70	5457.70	2337	4450.70	5457.70	406	040	00	00	NDNN	269	0
NORTHWIND	7044	830619	0003	4459.60	5437.80	0103	4459.60	5437.80	406	040	00	00	NDNN	269	0
NORTHWIND	7045	830619	0022	4501.85	5433.25	0122	4501.85	5433.25	406	040	00	00	NDNN	269	0
NORTHWIND	7046	830619	0410	4526.50	5338.70	0510	4526.50	5338.70	406	040	00	00	NDNN	269	0
NORTHWIND	7047	830619	1030	4605.80	5214.30	1130	4605.80	5214.30	406	040	00	00	NDNN	269	0
NORTHWIND	7048	830619	1036	4606.90	5214.10	1136	4606.90	5214.10	406	040	00	00	NDNN	269	0
NORTHWIND	7049	830619	1215	4625.00	5210.60	1315	4625.00	5210.60	406	040	00	00	NDNN	269	0
NORTHWIND	7050	830619	1217	4625.50	5210.50	1317	4625.50	5210.50	406	040	00	00	NDNN	269	0
NORTHWIND	7051	830619	1354	4643.80	5206.90	1415	4643.80	5206.90	406	040	00	00	NDNN	269	0
NORTHWIND	7052	830619	1559	4707.50	5201.70	1659	4707.50	5201.70	406	040	00	00	NDNN	269	0
NORTHWIND	7053	830619	1745	4728.10	5159.30	1845	4728.10	5159.30	406	040	00	00	NDNN	269	0
NORTHWIND	7054	830619	1933	4749.90	5155.90	2033	4749.90	5155.90	406	040	00	00	NDNN	269	0
NORTHWIND	7055	830619	1940	4751.80	5155.55	2040	4751.80	5155.55	406	040	00	00	NDNN	269	0
NORTHWIND	7056	830619	2131	4814.30	5151.50	2231	4814.30	5151.50	406	040	00	00	NDNN	269	0
NORTHWIND	7057	830619	2201	4820.30	5150.20	2301	4820.30	5150.20	406	040	00	00	NDNN	269	0
NORTHWIND	7058	830619	2312	4835.00	5146.90	2412	4835.00	5146.90	406	040	00	00	NDNN	269	0
NORTHWIND	7059	830620	0109	4858.30	5142.80	0209	4858.30	5142.80	406	040	00	00	NDNN	269	0
NORTHWIND	7060	830620	0252	4921.80	5139.30	0352	4921.80	5139.30	406	040	00	00	NDNN	269	0
NORTHWIND	7061	830620	0437	4939.60	5137.00	0537	4939.60	5137.00	406	040	00	00	NDNN	269	0
NORTHWIND	7062	830620	0921	5024.60	5129.60	1021	5024.60	5129.60	406	040	00	00	NDNN	269	0
NORTHWIND	7063	830621	1332	5446.10	5055.40	1432	5446.10	5055.40	406	040	00	00	NDNN	269	0
NORTHWIND	7064	830621	1332	5446.10	5055.40	1432	5446.10	5055.40	406	020	00	00	NDNN	269	0
NORTHWIND	7065	830621	1659	5528.10	5045.30	1759	5528.10	5045.30	406	020	00	00	NDNN	269	0
NORTHWIND	7066	830621	1846	5547.00	5036.30	1936	5547.00	5036.30	406	020	00	00	NDNN	269	0
NORTHWIND	7067	830621	1904	5550.70	5035.60	2004	5550.70	5035.60	406	020	00	00	NDNN	269	0
NORTHWIND	7068	830621	1938	5557.60	5034.90	2038	5557.60	5034.90	406	020	00	00	NDNN	269	0

NORTHWIND	7070	830621	2051	5612.25	5034.45	2151	5612.25	5034.45	406	020	00	00	NDNN	269	0
NORTHWIND	7071	830621	2230	5633.60	5031.61	2330	5633.60	5031.61	406	020	00	00	NDNN	269	0
NORTHWIND	7072	830621	2300	5639.40	5039.90	2400	5639.40	5039.90	406	020	00	00	NDNN	269	0
NORTHWIND	7073	830622	0019	5654.10	5027.20	0119	5654.10	5027.20	406	020	00	00	NDNN	269	0
NORTHWIND	7074	830622	0043	5705.80	5026.00	0143	5705.80	5026.00	406	020	00	00	NDNN	269	0
NORTHWIND	7075	830622	0203	5712.00	5002.60	0303	5712.00	5002.60	406	020	00	00	NDNN	269	0
NORTHWIND	7076	830622	0347	5730.40	5019.00	0447	5730.40	5019.00	406	020	00	00	NDNN	269	0
NORTHWIND	7077	830622	0530	5745.70	5013.90	0630	5745.70	5013.90	406	020	00	00	NDNN	269	0
NORTHWIND	7078	830622	0847	5828.10	5009.15	0947	5828.10	5009.15	406	020	00	00	NDNN	269	0
NORTHWIND	7079	830622	1033	5849.90	5005.85	1133	5849.90	5005.85	406	020	00	00	NDNN	269	0
NORTHWIND	7080	830622	1220	5911.90	5003.00	1320	5911.90	5003.00	406	020	00	00	NDNN	269	0
NORTHWIND	7081	830622	1247	5917.30	5002.00	1347	5917.30	5002.00	406	020	00	00	NDNN	269	0
NORTHWIND	7082	830622	1359	5932.50	4958.40	1459	5932.50	4958.40	406	020	00	00	NDNN	269	0
NORTHWIND	7083	830622	1410	5936.50	4956.90	1510	5936.50	4956.90	406	020	00	00	NDNN	269	0
NORTHWIND	7084	830622	1426	5939.10	4956.30	1526	5939.10	4956.30	406	020	00	00	NDNN	269	0
NORTHWIND	7085	830630	1521	7317.70	5750.90	1621	7313.70	5750.90	406	040	00	00	NDNN	269	0
NORTHWIND	7086	830630	1805	7345.70	5815.80	1905	7345.70	5815.80	406	040	00	00	NDNN	269	0
NORTHWIND	7087	830630	1822	7355.20	5822.10	1955	7355.20	5822.10	406	040	00	00	NDNN	269	0
NORTHWIND	7088	830630	2041	7415.40	5838.30	2141	7415.40	5838.30	406	040	00	00	NDNN	269	0
NORTHWIND	7089	830630	2235	7423.70	5840.90	2335	7423.70	5840.90	406	040	00	00	NDNN	269	0
NORTHWIND	7090	830701	0013	7427.70	5849.40	0113	7427.70	5849.40	406	040	00	00	NDNN	269	0
NASALOC	10001	840521	856	3726.15	7553.10	956	3726.15	7553.10	121	514	0	0	NNNN	999	0
NASALOC	10002	840521	856	3726.15	7553.10	956	3726.15	7553.10	243	514	0	0	NNNN	999	0
NASALOC	10003	840521	856	4122.20	7642.03	956	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10004	840521	856	4122.20	7642.03	956	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10005	840521	856	4122.20	7642.03	956	4122.20	7642.03	406	3	0	0	NNNN	999	0
NASALOC	10006	840521	1047	3726.15	7553.10	1147	3726.15	7553.10	121	514	0	0	NNNN	999	0
NASALOC	10007	840521	1047	3726.15	7553.10	1147	3726.15	7553.10	243	514	0	0	NNNN	999	0
NASALOC	10008	840521	1047	4122.20	7642.03	1147	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10009	840521	1047	4122.20	7642.03	1147	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10010	840521	1047	4122.20	7642.03	1147	4122.20	7642.03	406	3	0	0	NNNN	999	0
NASALOC	10011	840521	1643	3726.15	7553.10	1743	3726.15	7553.10	121	514	0	0	NNNN	999	0
NASALOC	10012	840521	1643	3726.15	7553.10	1743	3726.15	7553.10	243	514	0	0	NNNN	999	0
NASALOC	10013	840521	1643	4122.20	7642.03	1743	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10014	840521	1643	4122.20	7642.03	1743	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10015	840521	1643	4122.20	7642.03	1743	4122.20	7642.03	406	4	0	0	NNNN	999	0
NASALOC	10016	840521	1836	3726.15	7553.10	1936	3726.15	7553.10	121	514	0	0	NNNN	999	0
NASALOC	10017	840521	1836	3726.15	7553.10	1936	3726.15	7553.10	243	514	0	0	NNNN	999	0
NASALOC	10018	840521	1836	4122.20	7642.03	1936	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10019	840521	1836	4122.20	7642.03	1936	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10020	840521	1836	4122.20	7642.03	1936	4122.20	7642.03	406	4	0	0	NNNN	999	0
NASALOC	10021	840521	2016	3726.15	7553.10	2116	3726.15	7553.10	121	514	0	0	NNNN	999	0
NASALOC	10022	840521	2016	3726.15	7553.10	2116	3726.15	7553.10	243	514	0	0	NNNN	999	0
NASALOC	10023	840521	2016	4122.20	7642.03	2116	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10024	840521	2016	4122.20	7642.03	2116	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10025	840521	2016	4122.20	7642.03	2116	4122.20	7642.03	406	4	0	0	NNNN	999	0
NASALOC	10026	840521	2230	3726.15	7553.10	2330	3726.15	7553.10	121	514	0	0	NNNN	999	0
NASALOC	10027	840521	2230	3726.15	7553.10	2330	3726.15	7553.10	243	514	0	0	NNNN	999	0
NASALOC	10028	840521	2230	4122.20	7642.03	2330	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10029	840521	2230	4122.20	7642.03	2330	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10030	840521	2230	4122.20	7642.03	2330	4122.20	7642.03	406	4	0	0	NNNN	999	0
NASALOC	10031	840522	16	3726.15	7553.10	116	3726.15	7553.10	121	514	0	0	NNNN	999	0
NASALOC	10032	840522	16	3726.15	7553.10	116	3726.15	7553.10	243	514	0	0	NNNN	999	0
NASALOC	10033	840522	16	4122.20	7642.03	116	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10034	840522	16	4122.20	7642.03	116	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10035	840522	16	4122.20	7642.03	116	4122.20	7642.03	406	4	0	0	NNNN	999	0
NASALOC	10036	840522	346	3726.15	7553.10	446	3726.15	7553.10	121	514	0	0	NNNN	999	0
NASALOC	10037	840522	346	3726.15	7553.10	446	3726.15	7553.10	243	514	0	0	NNNN	999	0
NASALOC	10038	840522	346	4122.20	7642.03	446	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10039	840522	346	4122.20	7642.03	446	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10040	840522	346	4122.20	7642.03	446	4122.20	7642.03	406	3	0	0	NNNN	999	0
NASALOC	10041	840522	531	3726.15	7553.10	631	3726.15	7553.10	121	514	0	0	NNNN	999	0
NASALOC	10042	840522	531	3726.15	7553.10	631	3726.15	7553.10	243	514	0	0	NNNN	999	0
NASALOC	10043	840522	531	4122.20	7642.03	631	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10044	840522	531	4122.20	7642.03	631	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10045	840522	531	4122.20	7642.03	631	4122.20	7642.03	406	3	0	0	NNNN	999	0

NASALOC	10178	840524	911	4122.20	7642.03	1011	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10179	840524	911	4122.20	7642.03	1011	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10180	840524	911	4122.20	7642.03	1011	4122.20	7642.03	406	3	0	0	NNNN	999	0
NASALOC	10181	840524	931	3726.15	7553.10	1031	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10182	840524	931	3726.15	7553.10	1031	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10183	840524	931	4122.20	7642.03	1031	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10184	840524	931	4122.20	7642.03	1031	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10185	840524	931	4122.20	7642.03	1031	4122.20	7642.03	406	3	0	0	NNNN	999	0
NASALOC	10186	840524	1027	3726.15	7553.10	1127	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10187	840524	1027	3726.15	7553.10	1127	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10188	840524	1027	4122.20	7642.03	1127	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10189	840524	1027	4122.20	7642.03	1127	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10190	840524	1027	4122.20	7642.03	1127	4122.20	7642.03	406	3	0	0	NNNN	999	0
NASALOC	10191	840524	1643	3726.15	7553.10	1743	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10192	840524	1643	3726.15	7553.10	1743	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10193	840524	1643	4122.20	7642.03	1743	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10194	840524	1643	4122.20	7642.03	1743	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10195	840524	1643	4122.20	7642.03	1743	4122.20	7642.03	406	3	0	0	NNNN	999	0
NASALOC	10196	840524	1829	3726.15	7553.10	1929	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10197	840524	1829	3726.15	7553.10	1929	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10198	840524	1829	4122.20	7642.03	1929	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10199	840524	1829	4122.20	7642.03	1929	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10200	840524	1829	4122.20	7642.03	1929	4122.20	7642.03	406	4	0	0	NNNN	999	0
NASALOC	10201	840524	1911	3726.15	7553.10	2011	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10202	840524	1911	3726.15	7553.10	2011	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10203	840524	1911	4122.20	7642.03	2011	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10204	840524	1911	4122.20	7642.03	2011	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10205	840524	1911	4122.20	7642.03	2011	4122.20	7642.03	406	4	0	0	NNNN	999	0
NASALOC	10206	840524	2051	3726.15	7553.10	2151	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10207	840524	2051	3726.15	7553.10	2151	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10208	840524	2051	4122.20	7642.03	2151	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10209	840524	2051	4122.20	7642.03	2151	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10210	840524	2051	4122.20	7642.03	2151	4122.20	7642.03	406	4	0	0	NNNN	999	0
NASALOC	10211	840524	2210	3726.15	7553.10	2310	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10212	840524	2210	3726.15	7553.10	2310	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10213	840524	2210	4122.20	7642.03	2310	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10214	840524	2210	4122.20	7642.03	2310	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10215	840524	2210	4122.20	7642.03	2310	4122.20	7642.03	406	4	0	0	NNNN	999	0
NASALOC	10216	840525	2356	3726.15	7553.10	56	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10217	840525	2356	3726.15	7553.10	56	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10218	840525	2356	4122.20	7642.03	56	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10219	840525	2356	4122.20	7642.03	56	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10220	840525	2356	4122.20	7642.03	56	4122.20	7642.03	406	4	0	0	NNNN	999	0
NASALOC	10221	840525	345	3726.15	7553.10	445	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10222	840521	856	4122.20	7642.03	956	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10223	840525	345	3726.15	7553.10	445	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10224	840521	1047	4122.20	7642.03	1147	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10225	840525	345	4122.20	7642.03	445	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10226	840521	1643	4122.20	7642.03	1743	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10227	840525	345	4122.20	7642.03	445	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10228	840521	1836	4122.20	7642.03	1936	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10229	840525	345	4122.20	7642.03	445	4122.20	7642.03	406	3	0	0	NNNN	999	0
NASALOC	10230	840521	2016	4122.20	7642.03	2116	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10231	840525	531	3726.15	7553.10	631	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10232	840521	2230	4122.20	7642.03	2330	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10233	840525	531	3726.15	7553.10	631	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10234	840522	16	4122.20	7642.03	116	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10235	840525	531	4122.20	7642.03	631	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10236	840522	346	4122.20	7642.03	446	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10237	840525	531	4122.20	7642.03	631	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10238	840522	531	4122.20	7642.03	631	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10239	840525	531	4122.20	7642.03	631	4122.20	7642.03	406	3	0	0	NNNN	999	0
NASALOC	10240	840522	835	4122.20	7642.03	935	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10241	840525	730	3726.15	7553.10	830	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10242	840522	930	4122.20	7642.03	1030	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10243	840525	730	3726.15	7553.10	830	3726.15	7553.10	243	514	0	0	NNXX	999	0

NASALOC	10244	840522	1014	4122.20	7642.03	1114	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10245	840525	730	4122.20	7642.03	830	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10246	840522	1115	4122.20	7642.03	1215	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10247	840525	730	4122.20	7642.03	830	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10248	840522	1533	4122.20	7642.03	1633	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10249	840525	730	4122.20	7642.03	830	4122.20	7642.03	406	3	0	0	NNNN	999	0
NASALOC	10250	840522	1718	4122.20	7642.03	1818	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10251	840525	910	3726.15	7553.10	1010	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10252	840522	1815	4122.20	7642.03	1915	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10253	840525	910	3726.15	7553.10	1010	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10254	840522	1954	4122.20	7642.03	2054	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10255	840525	910	4122.20	7642.03	1010	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10256	840522	2114	4122.20	7642.03	2214	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10257	840525	910	4122.20	7642.03	1010	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10258	840522	2259	4122.20	7642.03	2359	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10259	840525	910	4122.20	7642.03	1010	4122.20	7642.03	406	0	0	0	NNNN	999	0
NASALOC	10260	840523	234	4122.20	7642.03	334	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10261	840525	910	3726.15	7553.10	1010	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10262	840523	421	4122.20	7642.03	521	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10263	840525	910	3726.15	7553.10	1010	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10264	840523	606	4122.20	7642.03	706	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10265	840525	910	4122.20	7642.03	1010	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10266	840523	812	4122.20	7642.03	912	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10267	840525	910	4122.20	7642.03	1010	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10268	840523	813	4122.20	7642.03	913	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10269	840525	1055	3726.15	7553.10	1155	3726.15	7553.10	121	514	0	0	NNXX	999	0
NASALOC	10270	840523	953	4122.20	7642.03	1053	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10271	840525	1055	3726.15	7553.10	1155	3726.15	7553.10	243	514	0	0	NNXX	999	0
NASALOC	10272	840523	958	4122.20	7642.03	1058	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10273	840525	1055	4122.20	7642.03	1155	4122.20	7642.03	121	918	0	0	NNNN	999	0
NASALOC	10274	840523	1143	4122.20	7642.03	1243	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10275	840525	1055	4122.20	7642.03	1155	4122.20	7642.03	243	918	0	0	NNNN	999	0
NASALOC	10276	840523	1608	4122.20	7642.03	1708	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10277	840525	1055	4122.20	7642.03	1155	4122.20	7642.03	406	0	0	0	NNNN	999	0
NASALOC	10278	840523	1754	4122.20	7642.03	1854	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10279	840525	910	4122.20	7642.03	1010	4122.20	7642.03	406	0	0	0	NNNN	999	0
NASALOC	10280	840523	1933	4122.20	7642.03	2033	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10281	840523	2113	4122.20	7642.03	2213	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10282	840523	2327	4122.20	7642.03	2427	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10283	840524	310	4122.20	7642.03	410	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10284	840524	456	4122.20	7642.03	556	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10285	840524	741	4122.20	7642.03	841	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10286	840524	911	4122.20	7642.03	1011	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10287	840524	931	4122.20	7642.03	1031	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10288	840524	1027	4122.20	7642.03	1127	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10289	840524	1643	4122.20	7642.03	1743	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10290	840524	1829	4122.20	7642.03	1929	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10291	840524	1911	4122.20	7642.03	2011	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10292	840524	2051	4122.20	7642.03	2151	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10293	840524	2210	4122.20	7642.03	2310	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10294	840525	2356	4122.20	7642.03	56	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10295	840525	345	4122.20	7642.03	445	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10296	840525	531	4122.20	7642.03	631	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10297	840525	730	4122.20	7642.03	830	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10298	840525	910	4122.20	7642.03	1010	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10299	840525	910	4122.20	7642.03	1010	4122.20	7642.03	406	994	0	0	NNNN	999	0
NASALOC	10300	840525	1055	4122.20	7642.03	1155	4122.20	7642.03	406	994	0	0	NNNN	999	0

SLIST LUTPASS.DAT

LUT SAT	ORBIT	EVN	PNTS	DATE TCA	TCA	DATE TPC	TPC	FQ	TEST #	BEC	A LAT.	A LON.	B LAT.	B LON	P	HEAD	MAJ	MIN
2 C02	2181	00	00	00000	0000	00000	0000	F1	0000	00	0.00	0.00	0.00	0.00	C	000	00	00
4 C01	2962	5	0	0	0	0	0	F1	1002	00	4130.80	7134.90	4515.10	1910.70	A	328	5	3
4 C01	2962	1	9	83032	1329	83032	1336	F4	1002	09	4204.20	7045.10	4541.90	2019.50	A	337	1	0
4 C01	2963	1	0	0	0	0	0	F1	1004	00	4201.50	7037.50	4138.50	7522.80	A	86	5	0
1 C01	2963	1	0	83032	1515	83032	1528	F1	1004	00	4140.00	7526.40	4203.70	7033.10	B	86	4	0
4 C01	2963	13	0	0	0	0	0	F4	1004	09	4205.60	7038.20	4143.90	7511.80	A	88	2	0
1 C01	2963	12	6	83032	1515	83032	1519	F4	1004	09	4207.50	7034.90	4145.60	7513.90	A	85	2	0
1 C01	2964	0	0	0	0	0	0	F4	1006	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	2964	0	0	0	0	0	0	F1	1006	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	2976	1	0	83033	1404	83033	1413	F1	1012	00	4154.40	7109.00	4403.80	4221.20	A	293	2	1
4 C01	2976	3	0	83033	1404	83033	1419	F1	1012	00	4204.10	7044.90	4416.60	4308.50	A	68	2	0
1 C01	2976	8	10	83033	1404	83033	1424	F4	1012	09	4207.70	7041.70	4414.40	4250.40	A	298	0	0
4 C01	2976	11	13	83033	1410	83033	1430	F4	1012	09	4207.50	7041.70	4419.80	4313.50	A	84	0	0
1 C01	2977	4	0	83033	1550	83033	1510	F1	1014	00	4012.60	9531.90	4208.40	7058.10	B	277	4	1
4 C01	2977	4	0	83033	1550	83033	1608	F1	1014	00	4010.50	9533.60	4206.50	7050.10	B	278	3	1
1 C01	2977	17	8	83033	1550	83033	1630	F4	1014	09	4207.80	7041.90	4033.30	9519.70	A	342	0	0
4 C01	2977	19	8	83033	1550	83033	1626	F4	1014	09	4207.50	7042.60	0.00	0.00	A	342	0	0
1 C01	2984	0	0	0	0	0	0	F4	1018	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	2984	3	0	83034	346	83034	354	F1	1019	00	4149.10	6632.10	4216.60	7219.00	B	276	13	3
1 C01	2985	0	0	0	0	0	0	F4	1020	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	2985	15	0	83034	527	83034	557	F1	1020	00	4151.10	7009.20	4537.90	12344.10	A	54	7	4
1 C01	2985	20	0	83034	527	83034	613	F1	1020	00	4147.70	7012.10	4543.00	12355.50	A	49	10	5
1 C01	2990	8	0	83034	1440	83034	1503	F1	1024	00	4204.50	7038.70	4234.10	6433.70	A	82	6	1
1 C01	2990	12	10	83034	1440	83034	1511	F4	1024	09	4203.20	7043.90	4233.70	6429.10	A	80	32	6
1 C01	2990	13	13	83034	1440	83034	1511	F4	1024	09	4202.30	7047.60	4233.40	6425.90	A	78	24	4
1 C01	2991	7	0	83034	1625	83034	1651	F1	1026	00	3851.80	11504.60	4155.50	7042.10	B	47	9	6
2 C01	2991	3	0	83034	1625	83034	1637	F1	1026	00	4205.90	7038.70	3858.20	11509.50	A	23	6	3
1 C01	2991	18	7	83034	1625	83034	1701	F4	1026	09	4207.80	7041.40	3857.30	11509.70	A	14	2	0
2 C01	2991	18	7	83034	1625	83034	1652	F4	1026	09	4206.70	7042.80	3856.20	11508.90	A	14	2	0
1 C02	1887	3	0	83221	1235	83221	1248	F1	1101	0	4320.60	8451.90	4215.90	7108.70	B	278	4	2
1 C02	1887	16	13	83221	1235	83221	1302	F4	1101	6	4208.50	7033.40	4320.30	8531.20	A	286	6	3
1 C02	1893	1	0	83221	2332	83221	2344	F1	1103	0	4126.60	8004.50	4206.90	7039.00	B	89	2	0
1 C02	1893	8	13	83221	2332	83221	2355	F4	1103	6	4206.80	7044.00	4122.20	7959.60	A	274	2	0
1 S01	1910	1	0	83222	13	83222	23	F1	1104	0	4206.80	7030.70	3913.30	8454.60	A	74	2	1
1 S01	1910	16	13	83222	13	83222	41	F4	1104	6	4208.60	7042.30	3919.00	8445.10	A	73	0	0
1 C02	1901	1	0	83222	1304	83222	1315	F1	1105	0	4443.20	10329.60	4215.50	7053.80	B	74	1	1
1 C02	1901	6	9	83222	1304	83222	1321	F4	1105	6	4208.90	7039.10	4439.30	10355.60	A	289	1	1
1 S01	1918	1	0	83222	1409	83222	1422	F1	1106	0	4216.40	7053.10	4937.70	10902.30	A	40	3	2
1 S01	1918	8	14	83222	1409	83222	1430	F4	1106	6	4207.90	7042.20	4934.00	10913.20	A	28	0	0
1 C01	3059	0	0	0	0	0	0	F4	2002	0	0.00	0.00	0.00	0.00	C	0	0	0
2 C01	3059	0	0	0	0	0	0	F1	2002	0	0.00	0.00	0.00	0.00	C	0	0	0
3 C01	3060	3	0	0	0	0	0	F1	2004	00	0.00	0.00	3806.42	12301.44	B	87	7	1
1 C01	3060	1	0	83039	1736	83039	1745	F1	2004	00	3804.60	12255.60	3847.70	11620.00	A	81	4	0
2 C01	3060	2	0	83039	1736	83039	1750	F1	2004	00	3833.90	11625.20	3804.90	12248.90	B	82	3	0
1 C01	3060	9	5	83039	1736	83039	1753	F4	2004	09	3805.60	12257.70	3837.70	11609.10	A	83	0	0
2 C01	3060	10	8	83039	1736	83039	1800	F4	2004	09	3804.70	12255.80	3836.80	11610.90	A	79	1	0
3 C01	3061	2	0	0	0	0	0	F1	2006	00	3808.52	12236.12	0.00	0.00	A	67	10	4
2 C01	3061	1	0	83039	1921	83039	1932	F1	2006	00	3809.50	12241.70	3516.90	16717.00	A	21	2	1
2 C01	3061	7	11	83039	1921	83039	1934	F4	2006	09	3805.50	12256.20	3458.20	16708.80	A	323	2	0
1 C01	3067	3	0	83040	523	83040	540	F1	2008	00	3557.80	9034.10	3817.70	12317.50	B	81	16	6
2 C01	3067	9	0	83040	526	83040	549	F1	2008	00	3808.40	12254.60	3555.40	9120.60	A	18	0	0
1 C01	3067	4	11	83040	523	83040	542	F4	2008	09	3809.00	12255.10	3555.90	9120.30	A	37	0	0
1 C01	3073	2	0	83040	1625	83040	1640	F1	2012	00	3800.00	12242.20	4045.40	8314.50	A	319	2	2
2 C01	3073	2	0	83040	1625	83040	1638	F1	2012	00	3759.20	12240.60	4045.40	8317.50	A	325	2	1
1 C01	3073	8	8	83040	1625	83040	1648	F4	2012	09	3805.00	12255.90	4052.40	8305.80	A	355	0	0
3 C01	3074	1	0	0	0	0	0	F1	2014	00	3811.04	12302.52	0.00	0.00	A	82	3	1
2 C01	3074	1	0	83040	1811	83040	1824	F1	2014	00	3802.90	12302.40	3701.30	13654.50	A	271	2	0
2 C01	3074	5	5	83040	1811	83040	1827	F4	2014	09	3804.40	12257.50	3702.80	13645.00	A	286	0	0
3 C01	3081	1	0	0	0	0	0	F1	2016	00	0.00	0.00	3605.94	12224.06	B	86	10	1
1 C01	3081	1	0	83041	558	83041	611	F1	2016	00	3710.40	11042.30	3804.10	12332.40	B	290	4	2
2 C01	3081	1	0	83041	558	83041	611	F1	2016	00	3813.30	12254.20	3713.60	11033.00	A	272	2	0
1 C01	3081	2	7	83041	558	83041	617	F4	2016	09	3709.10	11174.10	3757.10	11055.50	B	291	11	52

2	C01	3081	3	10	83041	558	83041	612	F4	2016	09	3706.3011130.20	3755.7012232.90	B	276	68	34		
3	C01	3087	2	0	0	0	0	0	F1	2020	00	3801.5612216.32	0.00	0.00	A	74	10	1	
1	C01	3087	2	0	83041	1701	83041	1713	F1	2020	00	3802.2012255.10	3921.5010519.70	A	78	2	0		
2	C01	3087	2	0	83041	1701	83041	1715	F1	2020	00	3800.8012251.60	3919.4010521.50	A	78	2	0		
1	C01	3087	6	10	83041	1701	83041	1715	F4	2020	09	3805.5012256.90	3924.9010516.90	A	76	1	0		
2	C01	3087	8	10	83041	1701	83041	1719	F4	2020	09	3804.2012256.30	3923.1010500.00	A	72	1	0		
2	C01	3088	5	11	83041	1846	83041	1859	F4	2022	09	3804.2012257.30	3536.6015652.10	A	318	0	0		
1	C01	3094	1	0	83042	448	83042	502	F1	2024	00	3512.30	8006.50	3808.9012359.40	B	354	4	3	
2	C01	3094	2	0	83042	448	83042	500	F1	2024	00	3511.80	8007.50	3805.8012357.60	B	352	4	2	
1	C01	3094	10	6	83042	448	83042	515	F4	2024	09	3809.0012258.50	3522.90	8100.80	A	317	1	0	
2	C01	3094	10	7	83042	448	83042	508	F4	2024	09	3808.8012257.80	3521.00	8104.80	A	330	1	0	
3	S01	2091	5	9	83234	1811	83234	1826	F4	2091	6	5745.0015231.80	5526.4013930.50	A	274	1	0		
2	C02	1984	01	00	83228	1407	83228	1420	F1	2101	00	3648.8010527.10	3805.7012258.30	B	271	02	00		
2	C02	1984	05	09	83228	1407	83228	1424	F4	2101	05	3805.4012255.80	3648.9010543.20	A	073	00	00		
2	S01	2004	1	0	83228	1524	83228	1534	F1	2102	0	3322.50	9939.10	3807.9012249.50	B	277	1	1	
2	S01	2004	12	14	83228	1524	83228	1544	F4	2102	3	3806.8012257.40	3318.50	9930.70	A	84	0	0	
2	S01	2005	01	00	83228	1704	83228	1714	F1	2103	00	3806.5012250.40	4258.3014711.30	A	291	01	01		
2	S01	2005	04	00	83228	1704	83228	1718	F5	2103	00	3804.3012252.40	4255.9014718.60	A	058	04	05		
2	S01	2005	6	15	83228	1704	83228	1719	F4	2103	6	3806.3012256.00	4254.4014700.50	A	286	0	0		
2	C02	1990	1	0	83229	106	83229	119	F1	2104	0	3808.3012355.80	4011.50	9624.20	A	58	3	3	
2	C02	1990	02	13	83229	0106	83229	0123	F4	2104	06	3807.3012300.00	4000.70	9722.60	A	088	02	02	
2	S01	2011	3	0	83229	244	83229	256	F1	2105	0	4116.3010651.50	3755.7012327.10	B	71	5	3		
2	S01	2011	7	0	83229	244	83229	301	F5	2105	0	4114.9010700.60	3759.9012312.30	B	87	4	3		
2	S01	2011	0	0	0	0	0	0	F4	2105	3	0.00	0.00	0.00	0.00	C	0	0	0
2	S01	2012	01	00	83229	0424	83229	0434	F1	2106	00	3805.5012244.10	3120.5015506.90	A	018	02	01		
2	S01	2012	0	0	0	0	0	0	F4	2106	3	0.00	0.00	0.00	0.00	C	0	0	0
2	C02	1997	7	0	83229	1251	83229	1308	F1	2107	0	3448.60	7226.60	3803.0012306.90	B	354	6	3	
2	C02	1997	11	5	83229	1251	83229	1312	F4	2107	6	3805.5012256.50	3454.80	7237.80	A	354	2	1	
2	C02	1998	1	0	83229	1435	83229	1449	F1	2108	0	3806.4012319.10	3803.8012243.70	B	275	21	0		
2	C02	1998	05	09	83229	1435	83229	1457	F4	2108	06	3805.2012306.40	3803.3012241.40	A	276	35	00		
2	S01	2019	1	0	83229	1642	83229	1653	F1	2109	0	3808.1012302.10	4052.9013646.50	A	293	2	1		
2	S01	2019	3	14	83229	1642	83229	1658	F4	2109	6	3807.2012254.40	4055.0013648.10	A	290	0	0		
2	C02	2004	1	0	83230	135	83230	148	F1	2110	0	3837.0012222.00	3905.6011629.90	A	79	14	1		
2	C02	2004	5	7	83230	135	83230	153	F4	2110	6	3833.3011706.30	3811.4012136.70	B	74	31	4		
2	S01	2025	04	00	83230	0222	83230	0234	F1	2111	00	4313.60	9634.90	3751.7012325.10	B	077	02	02	
2	S01	2025	19	13	83230	0222	83230	0294	F4	2111	06	3805.2012253.40	4311.40	9720.20	A	288	01	01	
2	C02	2005	1	0	83230	320	83230	330	F1	2112	0	3511.4016637.10	3803.0012236.20	B	15	2	1		
2	C02	2005	3	11	83230	320	83230	332	F4	2112	6	3806.8012255.10	3510.0016619.90	A	354	1	0		
2	S01	2026	01	00	83230	0402	83230	0413	F1	2113	00	3805.0012250.60	3334.2014446.30	A	079	01	01		
2	S01	2026	0	0	0	0	0	0	F4	2113	6	0.00	0.00	0.00	0.00	C	0	0	0
2	C02	2011	01	00	83230	1319	83230	1313	F1	2114	00	3803.1012257.50	3545.80	8914.20	A	342	01	01	
2	C02	2011	10	6	83230	1319	83230	1347	F4	2114	6	3804.4012256.60	3551.00	8908.00	A	309	1	0	
2	C02	2012	02	00	83230	1504	83230	1519	F1	2115	00	3805.0012255.60	3924.1014035.20	A	281	00	01		
2	C02	2012	04	08	83230	1504	83230	1523	F4	2115	06	3804.6012256.00	3929.6014034.70	A	293	01	00		
2	S01	2033	1	0	83230	1621	83230	1623	F1	2116	0	3812.3012316.30	3848.7012616.70	A	286	7	1		
2	S01	2033	7	18	83230	1621	83230	1639	F4	2116	6	3807.2012252.70	3853.2012640.90	A	286	1	0		
3	C01	3156	1	0	83046	1804	83046	1817	F1	3002	00	5919.0013621.90	5730.1015319.90	B	74	4	2		
2	C01	3156	1	0	83046	1804	83046	1822	F1	3002	00	5743.9015246.40	5929.7013612.10	A	65	4	1		
2	C01	3156	6	7	83046	1804	83046	1826	F4	3002	09	5741.8015222.70	5922.6013636.60	A	82	2	0		
3	C01	3156	3	15	83046	1950	83046	2004	F4	3002	09	5744.8015224.90	5427.1017314.60	A	282	1	0		
3	C01	3157	0	0	0	0	0	0	F1	3004	00	5423.3017309.90	5744.4015142.70	B	0	0	0		
3	C01	3157	3	15	83046	1950	83046	2004	F4	3004	09	5744.8015224.90	5427.1017314.60	A	282	1	0		
3	C01	3163	1	0	83047	604	83047	614	F1	3006	00	5247.90	9738.20	5737.9015357.30	B	333	4	4	
2	C01	3163	2	0	83047	604	83047	611	F1	3006	00	5258.50	9738.70	5812.4015332.80	B	29	6	2	
2	C01	3163	5	7	83047	604	83047	612	F4	3006	09	5738.5015230.20	5241.00	9840.50	A	7	1	0	
3	C01	3164	0	0	0	0	0	0	F4	3008	0	0.00	0.00	0.00	0.00	C	0	0	0
3	C01	3164	1	0	83047	749	83047	802	F1	3008	00	5745.3015156.60	5716.8014714.50	A	281	7	0		
2	C01	3164	1	0	83047	749	83047	754	F1	3008	00	5714.7014619.50	5754.7015237.40	B	276	12	1		
3	C01	3166	0	0	0	0	0	0	F4	3012	0	0.00	0.00	0.00	0.00	C	0	0	0
3	C01	3166	0	0	0	0	0	0	F1	3012	0	0.00	0.00	0.00	0.00	C	0	0	0
3	C01	3168	0	0	0	0	0	0	F1	3014	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3168	19	10	83047	1504	83047	1546	F4	3014	09	5738.2015225.10	6627.30	3941.60	A	315	3	1	
3	C01	3170	1	0	83047	1840	83047	1852	F1	3018	00	5659.2015832.60	5746.8015030.70	B	82	8	2		
2	C01	3170	1	0	83047	1840	83047	1854	F1	3018	00	5716.7015655.90	5743.8015239.60	B	81	17	0		
2	C01	3170	1	0	83047	1840	83047	1856	F4	3018	09	5708.9015753.80	5749.8015130.70	B	74	55	1		
3	C01	3170	3	10	83047	1840	83047	1854	F4	3018	09	5740.3015155.90	5716.7015649.20	A	274	46	23		

3 C01	3171	1	0	83047	2025	83047	2036 F1	3020 00	5229.0015420.90	5705.7015127.50	B	36	7	5
3 C01	3178	5	0	83048	824	83048	843 F1	3024 00	5917.0016700.90	5749.3015237.00	B	284	2	0
3 C01	3178	17	6	83048	824	83048	851 F4	3024 09	5746.7015249.60	5915.7016644.50	A	277	3	0
3 C01	3179	3	0	83048	1012	83048	1025 F1	3026 00	6442.3013537.90	5750.9015241.70	B	351	10	5
2 C01	3182	14	0	83048	1541	83048	1617 F1	3029 00	5722.6015309.30	6538.20 6450.90	A	14	54	7
3 C01	3182	1	0	83048	1541	83048	1552 F1	3028 00	5827.7015221.30	6600.20 6608.90	A	325	4	3
3 C01	3182	16	7	83048	1541	83048	1610 F4	3028 09	5745.1015235.60	6504.90 6614.00	A	281	1	0
3 C01	3185	0	0	0	0	0	0 F4	3034 0	0.00 0.00 0.00	0.00 0.00	C	0	0	0
3 C01	3185	1	0	83048	2059	83048	2109 F1	3034 00	5827.8015225.90	5236.0013612.50	A	29	6	3
3 C01	3185	12	3	83048	2056	83048	2122 F4	3034 09	5645.4012038.10	4908.2011332.90	C	66	1	0
3 C01	3190	1	0	83049	529	83049	539 F1	3036 00	5831.7015231.60	5306.00 8859.90	A	344	3	2
3 C01	3190	8	4	83049	529	83049	545 F4	3036 09	5743.4015230.10	5157.70 8905.90	A	24	1	0
3 C02	2067	1	0	83234	1519	83234	1530 F1	3101 0	5746.0015228.60	5455.1012253.60	A	292	1	0
3 C02	2067	0	0	0	0	0	0 F4	3101 6	0.00 0.00 0.00	0.00 0.00	C	0	0	0
3 C02	2068	1	0	83234	1704	83234	1716 F1	3102 0	5743.0015230.40	5949.5017324.20	A	271	1	0
3 C02	2068	0	0	0	0	0	0 F4	3102 6	0.00 0.00 0.00	0.00 0.00	C	0	0	0
3 S01	2091	1	0	83234	1811	83234	1822 F1	3103 0	5745.1015233.50	5522.9013930.70	A	283	0	0
3 S01	2091	3	0	83234	1811	83234	1825 F5	3103 0	5745.6015235.70	5521.2013919.00	A	277	3	1
3 S01	2091	5	9	83234	1811	83234	1826 F4	3103 6	5745.0015231.80	5526.4013930.50	A	274	1	0
3 C01	5726	2	0	83234	1847	83234	1859 F1	3104 0	6419.20 8030.00	5755.3015215.70	B	316	2	0
3 C01	5726	9	12	83234	1847	83234	1908 F4	3104 6	5745.2015231.60	6400.90 7949.20	A	352	1	0
3 S01	2092	1	0	83234	1951	83234	2001 F1	3105 0	5742.9015226.80	6335.6017418.90	A	311	2	0
3 S01	2092	3	0	83234	1951	83234	2004 F5	3105 0	5745.0015236.30	6334.5017449.70	A	57	3	2
3 S01	2092	4	13	83234	1951	83234	2005 F4	3105 6	5744.1015229.60	6331.4017459.20	A	307	0	0
3 C02	2072	0	0	0	0	0	0 F1	3106 0	0.00 0.00 0.00	0.00 0.00	C	0	0	0
3 C02	2072	0	0	0	0	0	0 F4	3106 6	0.00 0.00 0.00	0.00 0.00	C	0	0	0
3 C02	2073	1	0	83235	206	83235	218 F1	3107 0	5753.9015305.10	6016.4012940.80	A	71	5	1
3 C02	2073	0	0	0	0	0	0 F4	3107 6	0.00 0.00 0.00	0.00 0.00	C	0	0	0
3 C02	2074	1	0	83235	351	83235	403 F1	3108 0	5746.2015223.60	5503.5017925.20	A	275	1	0
3 C02	2074	0	0	0	0	0	0 F4	3108 6	0.00 0.00 0.00	0.00 0.00	C	0	0	0
3 S01	2098	1	0	83235	542	83235	552 F1	3109 0	5744.8015229.80	5313.5017720.30	A	81	1	0
3 S01	2098	2	0	83235	542	83234	555 F5	3109 0	5747.4015215.00	5309.2017746.70	A	297	3	2
3 S01	2098	4	16	83235	542	83235	557 F4	3109 6	5744.1015230.90	5312.9017719.80	A	81	0	0
3 C02	2080	1	0	83235	1402	83235	1413 F1	3110 0	5741.6015246.60	5235.00 9159.40	A	336	1	1
3 C02	2080	3	15	83235	1402	83235	1415 F4	3110 6	5743.2015232.70	5239.30 9206.40	A	327	1	0
3 C02	2081	1	0	83235	1546	83235	1559 F1	3111 0	5744.4015230.10	5625.6013916.20	A	275	1	0
3 C02	2081	2	4	83235	1546	83235	1601 F4	3111 6	5736.1015147.10	5616.6014122.50	A	301	99	1
3 C02	2082	1	0	83235	1732	83235	1745 F1	3112 0	6139.1016810.50	5756.1015303.20	B	293	2	1
3 C02	2082	2	6	83235	1732	83235	1747 F4	3112 0	5740.7015224.70	6148.6016817.10	A	298	4	0
3 C01	5740	2	0	83235	1922	83235	1936 F1	3113 0	6445.9010640.80	6010.5015211.70	C	358	2	1
3 C01	5740	8	10	83235	1923	83235	1930 F4	3113 6	5735.1015244.60	6159.4010248.10	A	21	7	4
3 C01	5741	1	0	83235	2110	83235	2123 F1	3114 0	5732.2015314.50	5706.7015729.70	A	81	8	0
3 C01	5741	3	17	83235	2110	83235	2126 F4	3114 6	5743.8015231.20	5708.9015819.50	A	76	5	0
3 C02	2086	2	0	83236	48	83236	101 F1	3115 0	5733.5015245.10	6317.50 9128.40	A	354	1	0
3 C02	2086	5	16	83236	48	83236	105 F4	3115 6	5742.1015232.30	6316.30 9152.10	A	322	1	1
3 C02	2087	2	0	83236	234	83236	249 F1	3116 0	5812.5014729.60	5740.0015252.00	B	77	5	0
3 C02	2087	4	8	83236	234	83236	252 F4	3116 4	5811.7014758.20	5747.1015202.40	B	82	23	3
3 S01	2112	1	0	83236	520	83236	531 F1	3118 0	5743.8015230.40	5458.0016740.70	A	76	1	0
3 S01	2112	3	13	83236	520	83236	534 F4	3118 6	5744.0015231.30	5453.6016757.90	A	81	0	0
3 C02	2094	1	0	83236	1430	83236	1442 F1	3119 0	5747.2015229.50	5334.7010710.40	A	78	1	0
3 C02	2094	4	14	83236	1430	83236	1444 F4	3119 6	5743.9015230.30	5346.8010755.50	A	286	0	0
3 C02	2095	1	0	83236	1615	83236	1628 F1	3120 0	5744.7015233.10	5806.4015608.30	A	282	5	0
3 C02	2095	3	17	83236	1615	83236	1630 F4	3120 6	5806.6015611.10	5743.1015219.30	B	283	6	0
3 S01	2119	1	0	83236	1728	83236	1738 F1	3121 0	5745.7015247.40	5149.8012006.90	A	274	2	1
3 S01	2119	3	0	83236	1728	83236	1741 F5	3121 0	5738.3015212.10	5149.0012021.00	A	50	18	12
3 S01	2119	4	11	83236	1728	83236	1742 F4	3121 6	5744.5015244.70	5149.9012011.70	A	275	0	0
3 S01	2120	1	0	83236	1908	83236	1919 F1	3122 0	5744.8015229.70	6005.8016536.40	A	296	2	0
3 S01	2120	3	0	83236	1908	83236	1923 F5	3122 0	5751.5015242.90	6008.6016514.80	A	288	4	1
3 S01	2120	4	11	83236	1908	83236	1924 F4	3122 6	5745.3015228.10	6003.4016531.10	A	302	0	0
3 S01	2121	1	0	83236	2047	83236	2056 F1	3123 0	5735.2015220.50	6814.4014631.10	A	73	1	1
3 S01	2121	2	8	83236	2047	83236	2059 F4	3123 6	5744.3015229.00	6800.7014640.30	A	14	2	1
3 C02	2099	0	0	0	0	0	0 F1	3124 0	0.00 0.00 0.00	0.00 0.00	C	0	0	0
3 C02	2099	2	9	83236	2329	83236	2340 F4	3124 6	5748.2015228.80	6605.50 5050.70	A	303	2	1
3 S01	2125	1	0	83237	319	83237	329 F1	3126 0	6448.8011132.30	5742.3015212.40	B	54	3	1
3 S01	2125	6	6	83237	319	83237	333 F4	3126 6	5743.9015229.20	6443.8011109.50	A	46	1	0
4 C01	2042	4	0	0	0	0	0 F1	4002 00	4019.90 4979.70 4741.10	2105.20	A	324	2	1

4 C01	2962	2	5	83032	1329	83032	1336 F4	4002 01	4027.80	6927.20	4351.00	2118.40	A	358	5	2
4 C01	2963	6	0	0	0	0	0 F1	4004 00	3935.40	6827.00	3935.40	6827.00	B	278	7	2
1 C01	2963	6	0	83032	1516	83032	1535 F1	4004 00	3857.80	7652.30	3936.90	6823.80	B	276	5	1
4 C01	2963	11	0	0	0	0	0 F4	4004 01	4028.30	6936.50	6928.40	6941.40	A	85	25	6
1 C01	2963	11	12	83032	1516	83032	1539 F4	4004 01	4001.60	7546.40	4030.50	6934.50	B	85	25	6
1 C01	2976	2	0	83033	1405	83033	1414 F1	4006 00	4221.20	4450.90	4028.40	6842.70	B	59	7	3
4 C01	2976	1	0	83033	1405	83033	1417 F1	4006 00	4019.80	6952.60	4229.60	4315.70	A	53	3	2
1 C01	2976	9	7	83033	1405	83033	1407 F4	4006 01	4029.00	6928.90	4220.60	4346.30	A	282	2	1
4 C01	2976	12	10	83033	1405	83033	1430 F4	4006 01	4028.70	6928.70	4226.30	4334.80	A	71	1	1
1 C01	2977	3	0	83033	1551	83033	1608 F1	4008 00	4027.30	6921.40	3826.80	9626.20	A	275	4	1
1 C01	2977	19	4	83033	1551	83033	1631 F4	4008 01	4027.00	6913.40	3829.00	9657.80	A	283	50	5
1 C01	2984	45	4	83033	1545	83034	429 F4	4008 01	4020.80	6914.70	3823.20	9655.40	A	283	50	5
4 C01	2984	45	4	83033	1545	83034	429 F4	4008 01	4020.80	6914.70	3823.20	9655.40	A	283	50	5
1 C01	2990	1	0	83034	1440	83034	1452 F1	4012 00	4024.40	7042.40	4057.70	6356.40	A	80	11	2
4 C01	2990	1	0	83034	1440	83034	1454 F1	4012 00	4028.00	7033.30	4100.20	6409.90	A	80	11	2
1 C01	2990	14	8	83034	1440	83034	1511 F4	4012 01	4048.70	6532.30	4031.20	6914.20	B	82	25	2
4 C01	2990	14	10	83034	1440	83034	1511 F4	4012 01	4048.20	6534.00	4028.60	6934.40	B	82	28	4
1 C01	2991	0	0	0	0	0	0 F1	4014 0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	2991	19	8	83034	1626	83034	1701 F4	4014 01	4023.10	6925.40	3702.90	11549.20	A	348	29	12
2 C01	2991	20	7	83034	1626	83034	1652 F4	4014 01	3711.70	11552.60	4028.10	6925.40	B	0	43	14
1 C01	3003	1	0	83035	1329	83035	1331 F1	4016 00	4014.40	6918.00	4249.10	3243.10	A	298	16	5
4 C01	3003	5	0	83035	1329	83035	1341 F1	4016 00	4015.80	6959.00	4304.20	3126.60	A	347	3	3
4 C01	3003	2	16	83035	1329	83035	1337 F4	4016 01	4321.40	3240.70	4033.80	6925.60	B	31	15	14
1 C01	3003	2	7	83035	1329	83035	1334 F4	4016 09	4027.50	6922.90	4303.40	3241.10	A	289	88	26
1 C01	3004	2	0	83035	1516	83035	1530 F1	4019 00	4026.70	6925.10	3911.10	8554.70	A	89	5	1
4 C01	3004	8	0	83035	1516	83035	1536 F1	4018 00	4025.10	6925.10	3909.50	8555.50	A	89	5	1
1 C01	3004	23	12	83035	1516	83035	1601 F4	4018 01	3912.60	8552.70	4028.50	6928.80	B	272	14	5
4 C01	3004	4	11	83035	1516	83035	1526 F4	4018 01	3911.40	8551.10	4027.00	6931.20	B	272	15	5
1 C01	3017	1	0	83036	1405	83036	1414 F1	4020 00	4027.40	6931.10	4139.80	5417.70	A	74	6	1
1 C01	3017	6	11	83036	1405	83036	1419 F4	4020 01	4142.10	5423.70	4030.60	6927.50	B	77	9	4
1 C01	3018	4	0	83036	1550	83036	1609 F1	4022 00	3757.10	1010546.10	4029.70	6911.90	B	29	4	4
2 C01	3018	3	0	83036	1550	83036	1557 F1	4022 00	3803.20	1010609.00	4035.80	6907.70	B	44	15	6
4 C01	3030	4	0	83037	1254	83037	1303 F1	4024 00	3903.50	7124.40	4232.30	1800.70	A	315	13	9
4 C01	3030	2	9	83037	1253	83037	1300 F4	4024 01	4029.10	6927.00	4410.90	2039.60	A	5	8	4
1 C01	3031	0	0	0	0	0	0 F4	4026 0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	3031	2	0	83037	1440	83037	1454 F1	4026 00	3959.20	7519.20	4026.80	6924.80	B	87	5	0
4 C01	3031	5	0	83037	1440	83037	1457 F1	4026 00	3957.80	7519.30	4025.30	6924.80	B	87	5	0
1 C01	3044	1	0	83038	1329	83038	1336 F1	4028 00	4235.90	4318.00	4019.60	6951.30	B	290	3	2
4 C01	3044	4	0	83038	1329	83038	1342 F1	4028 00	4025.30	6923.50	4226.60	4316.70	A	72	5	2
1 C01	3045	2	0	83038	1515	83038	1530 F1	4030 00	3829.20	9535.80	4026.10	6928.00	B	277	5	2
4 C01	3045	6	0	83038	1515	83038	1531 F1	4030 00	3829.20	9536.10	4026.50	6929.40	B	278	4	2
1 C01	3045	11	8	83038	1515	83038	1540 F4	4030 01	4030.70	6928.90	3848.00	9518.20	A	286	9	6
4 C01	3045	3	8	83038	1515	83038	1526 F4	4030 01	4030.70	6929.70	3848.00	9518.20	A	286	9	6
4 C01	3057	0	0	0	0	0	0 F1	4032 0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	3057	3	4	83039	1217	83039	1223 F4	4032 01	4043.30	6922.40	4457.60	851.50	A	341	8	3
1 C01	3058	2	0	83039	1405	83039	1417 F1	4034 00	4025.70	6937.30	4050.70	6420.50	A	81	13	1
4 C01	3058	5	0	83039	1405	83039	1420 F1	4034 00	4024.70	6927.50	4047.80	6431.70	A	82	13	1
4 C01	3058	3	5	83039	1405	83039	1415 F4	4034 01	4021.60	6939.40	4048.50	6409.90	A	59	0	0
1 C01	3059	5	0	83039	1550	83039	1613 F1	4036 00	3950.60	6917.00	3658.80	11520.50	A	48	11	6
1 C01	3071	0	0	0	0	0	0 F4	4038 0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	3071	0	0	0	0	0	0 F1	4038 0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	3072	17	0	83040	1440	83040	1523 F1	4040 00	4038.20	7251.70	3956.50	8200.20	A	86	17	4
1 C01	3072	24	4	83040	1440	83040	1533 F4	4040 01	3925.50	8454.70	4036.40	6937.00	B	332	9	3
1 C01	3085	2	0	83041	1329	83041	1339 F1	4042 00	4026.20	6935.90	4142.90	5326.90	A	73	8	2
4 C01	3085	6	0	83041	1329	83041	1343 F1	4042 00	4027.20	6936.30	4143.10	5322.90	A	271	6	2
1 C01	3085	8	10	83041	1329	83041	1346 F4	4042 01	4144.20	5325.00	4027.10	6937.40	B	65	19	7
4 C01	3085	2	13	83041	1329	83041	1339 F4	4042 01	4143.20	5328.10	4028.40	6932.00	B	80	15	5
1 C01	3086	7	0	83041	1515	83041	1538 F1	4044 00	4014.10	7404.60	3812.40	10103.50	A	295	18	08
1 C01	3086	15	6	83041	1515	83041	1546 F4	4044 01	3804.60	10528.50	4028.80	6903.80	B	61	31	17
4 C01	3086	4	5	83041	1515	83041	1525 F4	4044 01	3803.20	10525.80	4027.60	6906.30	B	60	39	18
4 C01	3089	2	6	83042	1218	83042	1224 F4	4046 01	4030.70	6926.80	4409.80	1940.90	A	14	14	8
1 C01	3099	3	0	83042	1404	83042	1420 F1	4048 00	3957.10	7450.10	4024.20	6907.00	B	86	16	2
4 C01	3099	7	0	83042	1404	83042	1422 F1	4048 00	3959.30	7437.50	4024.00	6921.30	B	86	17	2
1 C01	3099	14	13	83042	1404	83042	1435 F4	4048 01	4007.70	7434.60	4031.90	6926.70	B	88	26	4
4 C01	3099	2	14	83042	1404	83042	1415 F4	4048 01	4009.20	7434.10	4033.30	6928.30	B	88	27	4
1 C01	3127	13	6	83044	1514	83044	1541 F4	4048 01	4027.30	6928.10	3733.40	11429.50	A	43	7	2

1	C01	3112	1	0	83043	1253	83043	1300	F1	4052	00	4234.90	4246.70	4008.00	6946.80	B	290	8	5
4	C01	3112	4	0	83043	1253	83043	1306	F1	4052	00	4022.90	6925.40	4228.10	4225.00	A	73	10	4
1	C01	3112	7	8	83043	1253	83043	1310	F4	4052	01	4233.50	4228.00	4026.80	6925.70	B	68	20	8
4	C01	3112	1	9	83043	1253	83043	1302	F4	4052	01	4234.50	4228.50	4028.30	6923.80	B	65	14	8
1	C01	3113	2	0	83043	1440	83043	1455	F1	4054	00	3940.30	6916.30	3745.40	9453.20	A	284	12	6
4	C01	3113	6	0	83043	1440	83043	1455	F1	4054	00	3942.30	6914.40	3748.00	9456.60	A	285	12	6
1	C01	3113	13	11	83043	1439	83043	1511	F4	4054	01	4029.90	6927.20	3845.00	9447.60	A	82	1	0
4	C01	3113	3	11	83043	1439	83043	1450	F4	4054	01	4030.50	6928.10	3846.30	9447.70	A	82	1	0
1	C01	3126	6	0	83044	1329	83044	1347	F1	4056	00	4022.00	6914.30	4046.70	6354.40	A	81	17	2
1	C01	3126	15	10	83044	1329	83044	1358	F4	4056	01	4029.10	6927.80	4056.50	6344.30	A	84	11	2
1	C01	3127	4	0	83044	1514	83044	1532	F1	4058	00	4004.90	6859.90	3700.70	11436.90	A	10	16	12
1	C01	3127	13	6	83044	1514	83044	1541	F4	4058	01	4027.30	6928.10	3733.40	11429.50	A	43	7	2
4	C01	3139	4	0	83045	1218	83045	1229	F1	4060	00	3947.30	7032.60	4246.30	2904.20	A	321	6	5
4	C01	3139	3	7	83045	1218	83045	1226	F4	4060	01	4029.40	6926.00	4338.40	3059.00	A	49	7	1
1	C01	3140	1	0	83045	1404	83045	1417	F1	4062	00	3922.20	8525.10	4043.80	6817.00	B	280	9	4
1	C01	3140	8	5	83045	1404	83045	1424	F4	4062	01	4028.40	6930.50	3916.40	8413.40	A	307	9	4
1	C01	3153	0	0	0	0	0	0	F4	4064	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3153	1	0	83046	1253	83046	1303	F1	4064	00	4015.70	6924.60	4134.40	5248.60	A	72	10	3
1	C01	3154	0	0	0	0	0	0	F4	4066	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3154	4	0	83046	1439	83046	1458	F1	4066	00	4022.30	6908.80	3747.90	10446.30	A	281	17	7
1	C01	3180	0	0	0	0	0	0	F4	4072	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3180	1	0	83048	1218	83048	1230	F1	4072	00	4022.80	6925.20	4231.70	4139.80	A	70	5	2
1	C01	3180	1	0	83048	1218	83048	1224	F1	4072	00	4022.30	6932.50	4233.00	4133.70	A	48	9	4
1	C01	3191	0	0	0	0	0	0	F4	4074	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3191	4	0	83048	1404	83048	1421	F1	4074	00	3836.40	9359.20	4025.70	6929.00	B	273	8	3
1	C01	3191	2	0	83048	1404	83048	1419	F1	4074	00	3840.10	9408.30	4031.40	6929.40	B	273	8	3
4	C01	3194	4	0	0	0	0	0	F1	4076	00	4025.30	6947.80	4059.40	6227.50	A	82	10	3
1	C01	3194	1	0	83049	1253	83049	1305	F1	4076	00	4028.60	6926.60	4059.00	6301.50	A	81	16	2
4	C01	3194	2	8	83049	1253	83049	1303	F4	4076	07	4031.30	6926.10	4101.90	6302.70	A	83	6	1
1	C01	3194	12	8	83049	1253	83049	1318	F4	4076	07	4031.90	6926.80	4102.70	6301.50	A	83	6	1
1	C01	3195	0	0	0	0	0	0	F4	4078	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3195	8	0	0	0	0	0	F1	4078	00	4018.80	6846.90	3707.10	11405.30	A	11	18	9
1	C01	3195	4	0	83049	1438	83049	1507	F1	4078	00	4015.40	6843.60	3725.40	11546.30	A	34	40	19
1	C01	3208	0	0	0	0	0	0	F4	4080	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3208	8	0	0	0	0	0	F1	4080	00	3921.00	3406.80	4032.40	6847.00	B	276	10	5
1	C01	3208	5	0	83050	1328	83050	1346	F1	4080	00	4035.10	6846.80	3922.40	8407.10	A	277	9	5
4	C01	3221	4	0	0	0	0	0	F1	4082	00	4026.70	6927.90	4148.60	5158.20	A	78	5	1
1	C01	3221	1	0	83051	1218	83051	1227	F1	4082	00	4026.20	6928.10	4149.20	5159.90	A	70	7	2
4	C01	3221	3	6	83051	1218	83051	1228	F4	4082	07	4030.40	6927.30	4151.00	5147.20	A	288	1	0
1	C01	3221	8	8	83051	1218	83051	1236	F4	4082	07	4030.70	6927.90	4153.60	5202.70	A	75	3	1
4	C01	3222	3	0	83051	1403	83051	1420	F1	4084	00	4024.90	6926.40	3755.70	1010348.20	A	277	3	1
1	C01	3222	2	0	83051	1403	83051	1419	F1	4084	00	4025.30	6925.40	3755.70	1010348.20	A	277	3	1
4	C01	3235	4	0	83052	1253	83052	1311	F1	4086	00	4027.90	6930.20	4011.60	7258.80	A	85	8	0
1	C01	3235	1	0	83052	1253	83052	1305	F1	4086	00	4007.40	7246.90	4021.90	6940.40	B	85	6	0
4	C01	3235	2	5	83052	1253	83052	1304	F4	4086	07	4027.70	6949.70	4015.80	7224.80	A	85	3	0
1	C01	3235	15	4	83052	1253	83052	1327	F4	4086	07	4028.50	6945.00	4016.00	7224.00	A	84	0	0
1	C01	3236	0	0	0	0	0	0	F4	4088	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3236	4	0	83052	1438	83052	1457	F1	4088	00	4022.80	6949.00	3651.60	12238.00	A	9	5	3
1	C01	3248	1	0	83053	1142	83053	1148	F1	4090	00	4020.00	6946.20	4227.80	4011.40	A	291	1	0
1	C01	3249	0	0	0	0	0	0	F4	4090	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3249	3	0	83053	1328	83053	1349	F1	4090	00	4018.60	6944.20	3833.40	9307.70	A	274	2	1
1	C01	3262	0	0	0	0	0	0	F4	4092	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3262	2	0	83054	1217	83054	1233	F1	4092	00	4025.10	6923.50	4058.50	6215.90	A	81	4	0
1	C01	3262	1	0	83054	1217	83054	1228	F1	4092	00	4027.50	6924.60	4101.20	6215.60	A	81	5	0
1	C01	3263	0	0	0	0	0	0	F4	4094	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3263	4	0	83054	1403	83054	1421	F1	4094	00	4029.00	6923.30	3732.90	11252.70	A	8	3	3
1	C01	3276	0	0	0	0	0	0	F4	4096	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3290	0	0	0	0	0	0	F4	4098	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3290	5	0	83056	1328	83056	1429	F1	4098	00	4026.90	6928.90	3800.50	103.21	A	277	2	1
1	C01	3290	2	0	83056	1328	83056	1343	F1	4098	00	4028.90	6927.20	3802.30	10302.50	A	277	2	1
4	C01	3303	3	0	83057	1217	83057	1232	F1	4100	00	4011.60	7221.40	4025.60	6920.70	B	85	8	0
1	C01	3303	1	0	83057	1217	83057	1229	F1	4100	00	4028.40	6919.80	4014.10	7222.80	A	85	8	0
4	C01	3304	17	4	83057	1217	83057	1434	F4	4100	05	4036.90	8126.30	4231.00	5920.20	A	3	99	99
4	C01	3317	4	0	83058	1252	83058	1306	F1	4104	00	4024.60	6930.20	3839.90	9237.90	A	277	3	1
4	C01	3317	2	5	83058	1252	83058	1303	F4	4104	05	3849.80	9248.80	4029.10	6939.10	B	281	44	5
4	C01	3331	5	0	83059	1327	83059	1341	F1	4106	00	4034.00	6948.10	3743.60	11146.50	A	12	3	3

1	C01	3331	1	0	83059	1327	83059	1342	F1	4106	00	4036.30	6946.70	3745.90	11147.70	A	10	3	3
4	C01	3331	3	7	83059	1327	83059	1337	F4	4106	05	4020.60	6933.20	3735.40	11241.50	A	78	9	2
1	C01	3331	5	7	83059	1327	83059	1345	F4	4106	05	4022.90	6931.90	3737.50	11242.40	A	78	9	2
4	C01	3344	0	0	0	0	0	0	F4	4108	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3344	2	0	83060	1217	83060	1231	F1	4108	00	4029.20	6928.40	3930.70	8208.80	A	89	2	0
1	C01	3358	1	0	83061	1252	83061	1306	F1	4110	00	4028.40	6924.30	3804.10	10221.90	A	278	3	1
1	C01	3358	19	6	83061	1252	83061	1326	F4	4110	05	4029.60	6922.70	3818.20	10216.50	A	42	18	7
1	C01	3385	8	0	83063	1217	83063	1241	F1	4114	00	4029.70	6923.10	3854.00	9209.90	A	86	4	1
1	C01	3399	13	0	83064	1251	83064	1320	F1	4116	00	4027.50	6932.50	3734.90	11115.60	A	347	2	1
1	C01	3399	17	4	83064	1251	83064	1326	F4	4116	07	4030.30	6921.10	3738.60	11130.90	A	22	8	6
1	C01	3426	3	0	83066	1216	83066	1233	F1	4118	00	4029.60	6930.00	3808.70	10132.40	A	278	3	1
4	C01	3500	0	0	0	0	0	0	F4	4124	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3500	01	00	83071	2144	83071	2153	F1	4124	00	3733.40	2351.10	4040.50	6922.20	B	354	04	03
1	C01	3508	0	0	0	0	0	0	F4	4126	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3508	0	0	0	0	0	0	F1	4126	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3527	0	0	0	0	0	0	F1	4128	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3527	0	0	0	0	0	0	F4	4128	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3568	02	05	83076	2108	83076	2118	F4	4132	06	3731.30	2300.60	4046.00	6932.70	B	4	79	44
1	C01	3582	0	0	0	0	0	0	F1	4134	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3582	6	7	83077	2143	83077	2155	F4	4134	06	4030.20	6937.80	3827.90	4231.60	A	344	30	22
4	C01	3595	0	0	0	0	0	0	F4	4136	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3595	0	0	0	0	0	0	F1	4136	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3623	0	0	0	0	0	0	F4	4140	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3650	0	0	0	0	0	0	F4	4144	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3663	0	0	0	0	0	0	F4	4146	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3677	0	0	0	0	0	0	F4	4148	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3691	8	4	83085	2106	83085	2128	F4	4150	06	4026.60	6951.30	3857.30	5128.70	A	298	28	16
4	C01	3704	0	0	0	0	0	0	F4	4152	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3718	05	05	83087	2031	83087	2048	F4	4154	06	4037.60	6854.30	3827.70	4135.70	A	59	24	9
1	C01	3732	7	4	83088	2106	83088	2126	F4	4158	06	4007.70	6745.80	3945.10	6254.90	A	281	0	0
4	C01	3745	02	04	83089	1956	83089	2000	F4	4160	06	4020.90	6922.10	3743.90	3103.30	A	319	88	57
1	C01	3746	13	7	83089	2141	83089	2208	F4	4162	06	4029.40	6928.60	4128.70	8222.40	A	286	59	23
1	C01	3759	5	9	83090	2031	83090	2045	F4	4164	06	4036.20	6924.50	3909.50	5055.50	A	89	17	15
4	C01	3772	0	0	0	0	0	0	F4	4168	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3773	3	0	83091	2106	83091	2120	F1	4170	00	4044.00	7134.00	4032.20	6905.00	B	276	33	2
1	C01	3786	0	0	0	0	0	0	F4	4172	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3786	3	0	83092	1955	83092	2003	F1	4172	00	3820.00	4022.70	4025.40	6930.20	B	324	7	3
1	C01	3787	0	0	0	0	0	0	F4	4174	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3787	1	0	83092	2141	83092	2154	F1	4174	00	4039.60	6930.20	4226.30	9220.20	A	280	4	1
1	C01	3800	1	0	83093	2030	83093	2041	F1	4176	00	4032.40	6930.90	3949.90	6024.30	A	274	3	0
1	C01	3800	8	7	83093	2030	83093	2049	F4	4176	08	4028.90	6925.40	3949.30	6046.80	A	279	17	4
1	C01	3814	0	0	0	0	0	0	F4	4180	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3814	2	0	83094	2106	83094	2119	F1	4180	00	4032.60	6926.40	4128.20	8120.70	A	278	3	0
1	C01	3827	3	0	83095	1955	83095	2007	F1	4182	00	4033.70	6923.60	3904.10	4955.20	A	89	3	1
1	C01	3827	8	10	83095	1955	83095	2013	F4	4182	08	4031.00	6934.60	3900.10	4946.40	A	89	13	4
1	C01	3828	0	0	0	0	0	0	F4	4184	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3828	2	0	83095	2141	83095	2154	F1	4184	00	4301.20	10305.30	4030.70	6944.20	B	308	2	2
4	C01	3841	2	0	83096	2030	83096	2046	F1	4186	00	4040.50	6946.00	4037.90	6958.80	A	276	51	1
4	C01	3841	9	10	83096	2030	83096	2055	F4	4186	04	4037.30	7026.40	4034.30	6946.80	B	276	63	1
4	C01	3841	10	5	83096	2030	83096	2055	F4	4186	08	4031.80	6925.80	4037.30	7037.20	A	277	8	0
1	C01	3841	1	0	83096	2030	83096	2044	F1	4188	00	4042.60	7122.60	4037.00	6946.20	B	276	39	0
1	C01	3841	10	5	83096	2030	83096	2055	F4	4188	08	4029.30	6914.80	4036.40	7048.50	A	278	6	0
1	C01	3854	3	0	83097	1920	83097	1927	F1	4190	00	3812.90	3855.40	4027.70	7017.10	B	336	6	3
1	C01	3854	5	4	83097	1920	83097	1928	F4	4190	04	3824.50	3935.40	4032.00	6927.10	B	309	28	9
1	C01	3855	4	0	83097	2105	83097	2122	F1	4192	00	4021.10	6837.40	4206.10	9243.20	A	87	4	2
4	C01	3855	20	08	83097	1920	83097	2144	F4	4192	04	4034.00	6936.40	3821.80	3951.50	A	78	13	9
1	C01	3868	1	0	83098	1955	83098	2005	F1	4194	00	3948.50	5950.50	4032.90	6917.60	B	274	10	2
1	C01	3868	13	6	83098	1955	83098	2024	F4	4194	04	4026.50	6914.10	3943.90	5956.70	A	273	6	2
1	C01	3869	0	0	0	0	0	0	F1	4196	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3869	26	4	83098	2141	83098	2232	F4	4196	04	4033.40	6924.60	4406.10	11433.10	A	27	6	3
4	C01	3881	0	0	0	0	0	0	F4	4198	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	3881	0	0	0	0	0	0	F1	4198	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3882	0	0	0	0	0	0	F4	4200	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3882	0	0	0	0	0	0	F1	4200	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	3895	4	0	83100	1919	83100	1931	F1	4202	00	4035.50	6927.80	3859.60	4853.40	A	89	4	1
1	C01	3895	8	5	83100	1919	83100	1936	F4	4202	04	3998.30	4920.60	4038.30	6923.10	B	316	64	59

1	C01	3896	0	0	0	0	0	F4	4204	0	0.00	0.00	0.00	0.00	C	0	0	0	
1	C01	3896	11	0	83100	2105	83100	2134	F1	4204	00	4030.60	6909.90	4300.80	10256.00	A	84	3	3
1	C01	3909	0	0	0	0	0	F4	4208	0	0.00	0.00	0.00	0.00	C	0	0	0	
1	C01	3909	0	0	0	0	0	F1	4208	0	0.00	0.00	0.00	0.00	C	0	0	0	
1	C01	3922	0	0	0	0	0	F4	4212	0	0.00	0.00	0.00	0.00	C	0	0	0	
1	C01	3922	3	0	83102	1844	83102	1852	F1	4212	00	4031.70	6944.00	3816.70	3839.80	A	335	8	4
1	C01	3923	0	0	0	0	0	F4	4214	0	0.00	0.00	0.00	0.00	C	0	0	0	
1	C01	3923	10	0	83102	2030	83102	2055	F1	4214	00	4038.10	6930.20	4217.20	9044.60	A	280	3	1
1	C01	3936	4	0	83103	1919	83103	1933	F1	4216	00	4034.80	6923.10	3946.20	5859.30	A	274	4	1
1	C01	3936	9	5	83103	1919	83103	1940	F4	4216	04	4037.20	6958.10	3943.90	5825.70	A	276	37	14
1	C01	3937	15	0	83103	2105	83103	2135	F1	4218	00	4032.00	6901.20	4348.40	11352.20	A	30	4	3
4	C01	3949	2	0	83104	1809	83104	1819	F1	4220	00	3743.60	2823.30	4040.30	7001.50	B	10	4	3
1	C01	3950	9	0	83104	1954	83104	2019	F1	4222	00	4033.80	6813.90	4133.10	8101.10	A	279	19	6
1	C01	3963	2	0	83105	1843	83105	1853	F1	4224	00	3854.70	4821.70	4031.70	6945.60	B	82	2	1
4	C01	3976	0	0	0	0	0	F1	4228	0	0.00	0.00	0.00	0.00	C	0	0	0	
1	C01	3977	0	0	0	0	0	F1	4230	0	0.00	0.00	0.00	0.00	C	0	0	0	
1	C01	3426	00	00	0	0	0	F1	5050	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3426	00	00	0	0	0	F4	5050	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3440	00	00	0	0	0	F1	5052	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3440	00	00	0	0	0	F4	5052	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3459	00	03	0	0	0	F4	5054	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3459	00	00	0	0	0	F1	5054	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3500	00	00	0	0	0	F1	5058	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3500	00	03	0	0	0	F4	5058	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3508	05	00	83072	1214	83072	1236	F1	5060	00	3654.40	12029.30	4017.30	6854.90	B	12	04	03
4	C01	3508	07	00	83072	1215	83072	1235	F1	5060	00	3654.70	12029.20	4017.80	6855.80	B	12	04	03
1	C01	3508	11	04	83072	1215	83072	1243	F4	5060	08	4023.50	6904.80	3645.40	12027.10	A	02	14	26
4	C01	3508	14	04	83072	1215	83072	1240	F4	5060	08	4023.40	6905.80	3645.30	12026.90	A	02	99	26
4	C01	3527	00	00	0	0	0	F4	5062	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3568	01	00	83076	2108	83076	2116	F1	5068	00	3816.40	2230.90	4134.90	6954.10	B	356	06	04
4	C01	3568	03	04	83076	2108	83076	2118	F4	5068	09	4121.90	6833.90	3814.00	2337.80	A	350	02	00
1	C01	3895	00	00	0	0	0	F1	5144	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3895	00	00	0	0	0	F4	5144	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3895	00	00	0	0	0	F1	5144	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3896	10	00	83100	2106	83100	2131	F1	5146	00	4125.70	6637.40	4418.60	10533.40	A	349	04	03
4	C01	3896	10	00	83100	2106	83100	2130	F1	5146	00	4124.30	6638.80	4416.30	10533.60	A	350	04	03
1	C01	3896	22	05	83100	2106	83100	2147	F4	5146	01	4113.50	6710.20	4415.80	10522.70	A	41	13	04
4	C01	3896	25	06	83100	2106	83100	2149	F4	5146	01	4115.90	6710.90	4413.10	11522.00	A	43	23	06
4	C01	3909	00	00	0	0	0	F1	5150	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3909	01	00	83101	1955	83101	2006	F1	5150	00	4239.50	7105.80	4216.70	6648.30	B	278	10	02
1	C01	3909	15	05	83101	1955	83101	2021	F4	5150	01	4232.40	7108.30	4216.70	6748.80	B	276	53	16
4	C01	3909	15	06	83101	1955	83101	2208	F4	5150	01	4238.50	7109.50	4225.40	6751.50	B	280	23	48
1	C01	3910	00	00	0	0	0	F1	5152	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3910	00	00	0	0	0	F4	5152	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3922	00	00	0	0	0	F1	5154	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3922	00	02	0	0	0	F4	5154	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3923	00	00	0	0	0	F1	5156	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3923	00	00	0	0	0	F4	5156	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3923	00	03	0	0	0	F4	5156	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3923	08	00	83102	2030	83102	2053	F1	5156	00	4158.60	6709.70	4403.90	9312.20	A	287	02	01
1	C01	3936	03	00	83103	1919	83103	1932	F1	5158	00	4127.00	6042.80	4158.00	6711.30	B	276	07	01
4	C01	3936	03	00	83103	1919	83103	1934	F1	5158	00	4201.10	6708.20	4130.70	6047.00	A	275	08	01
1	C01	3936	11	07	83103	1919	83103	1940	F4	5158	01	4154.50	6714.10	4124.40	6050.90	A	272	06	01
4	C01	3936	12	08	83103	1919	83103	1944	F4	5158	01	4156.50	6712.30	4127.50	6053.70	A	273	06	01
1	C01	3937	00	01	0	0	0	F4	5160	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3937	00	00	0	0	0	F1	5160	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3937	01	00	83103	2106	83103	2117	F1	5160	00	4159.80	6456.40	4538.20	11550.00	A	06	03	02
4	C01	3937	21	06	83103	1919	83103	2141	F4	5160	01	4153.70	6712.80	4123.50	6054.50	A	274	07	01
4	C01	3949	00	00	0	0	0	F1	5162	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3949	03	05	83104	1809	83104	1821	F4	5162	01	4155.70	6706.70	3901.30	3041.90	A	09	03	01
1	C01	3950	00	00	0	0	0	F1	5164	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3950	18	07	83104	1955	83104	2030	F4	5164	01	4144.00	6707.00	4250.40	8155.60	A	75	02	01
1	C01	3978	00	00	0	0	0	F1	5174	00	0.00	0.00	0.00	0.00	C	00	00	00	
1	C01	3978	00	00	0	0	0	F4	5174	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3978	00	00	0	0	0	F4	5174	00	0.00	0.00	0.00	0.00	C	00	00	00	
4	C01	3978	00	00	0	0	0	F1	5174	00	0.00	0.00	0.00	0.00	C	00	00	00	

4 C01	3990	00	00	0	0	0	0	F1	5176	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	3990	01	00	83107	1809	83107	1814	F1	5176	00	4025.80	4019.40	4228.80	6632.40	B	06	06	04
1 C01	3990	03	04	83107	1809	93107	1815	F4	5176	01	4221.00	6624.90	4022.70	4024.10	A	328	03	00
4 C01	3990	13	11	83107	1809	83107	1835	F4	5176	01	4216.90	6619.50	4017.00	4026.20	A	274	06	03
1 C01	4045	02	00	83111	1843	83111	1855	F1	5190	00	4129.00	6634.10	4148.60	7039.50	A	277	08	00
1 C01	4045	07	14	83111	1843	83111	1904	F4	5190	01	4126.20	6635.60	4145.50	7042.30	A	280	27	03
1 C01	4058	00	00	0	0	0	0	F1	5192	00	0.00	0.00	0.00	0.00	C	00	00	00
4 C01	4058	00	00	0	0	0	0	F4	5192	00	0.00	0.00	0.00	0.00	C	00	00	00
4 C01	4058	00	00	0	0	0	0	F1	5192	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4058	01	03	83112	1733	83112	1737	F4	5192	01	3959.20	3907.90	4207.60	6704.40	B	00	00	00
1 C01	4059	02	00	83112	1919	83112	1932	F1	5194	00	4415.90	9054.00	4219.40	6637.60	B	287	04	03
4 C01	4059	03	00	83112	1919	83112	1935	F1	5194	00	4216.80	6639.00	4415.60	9157.90	A	287	04	03
1 C01	4059	18	04	83112	1919	83112	1954	F4	5194	01	4416.10	9112.00	4210.80	6659.10	B	288	22	02
4 C01	4059	17	01	83112	1919	83112	1954	F4	5194	01	4211.30	6709.20	4410.60	9158.00	A	75	04	01
1 C01	4072	01	00	83113	1808	83113	1817	F1	5196	00	4157.30	6651.90	4122.00	5929.20	A	275	07	01
1 C01	4072	09	10	83113	1818	83113	1826	F4	5196	01	4152.00	6648.60	4118.50	5946.20	A	272	13	03
1 C01	4073	00	02	0	0	0	0	F4	5198	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4073	02	00	83113	1954	83113	2008	F1	5198	00	4139.60	6637.50	4511.90	11432.80	A	07	03	02
1 C01	4100	02	00	83115	1918	83115	1932	F1	5204	00	4149.70	6852.60	4416.70	10021.00	A	283	02	02
4 C01	4100	02	00	83115	1918	83115	1932	F1	5204	00	4147.50	6853.80	4412.70	10021.30	A	280	02	02
1 C01	4100	18	05	83115	1918	83115	1925	F4	5204	01	4155.10	6922.10	4433.10	1010021.00	A	60	12	06
4 C01	4100	19	05	83115	1918	83115	1955	F4	5204	01	4153.20	6924.20	4430.90	10020.00	A	60	12	06
4 C01	4112	00	01	0	0	0	0	F4	5206	00	0.00	0.00	0.00	0.00	C	00	00	00
4 C01	4112	00	00	0	0	0	0	F1	5206	00	0.00	0.00	0.00	0.00	C	00	00	00
4 C01	4113	00	01	0	0	0	0	F4	5208	00	0.00	0.00	0.00	0.00	C	00	00	00
4 C01	4113	00	00	0	0	0	0	F1	5208	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4113	02	00	83116	1807	83116	1820	F1	5208	00	4207.40	6847.00	4201.80	6737.60	B	277	36	01
1 C01	4113	10	08	83116	1807	83116	1832	F4	5208	01	4207.70	6910.90	4158.10	6712.50	B	276	99	04
1 C01	4114	00	00	0	0	0	0	F1	5210	00	0.00	0.00	0.00	0.00	C	00	00	00
4 C01	4114	02	00	83116	1955	83116	2018	F1	5210	00	4211.00	6747.10	4619.50	12401.40	A	20	02	02
1 C01	4114	19	07	83116	2000	83116	2032	F4	5210	01	4154.40	6753.30	4537.20	12321.80	A	75	22	08
4 C01	4114	20	07	83116	2000	83116	2034	F4	5210	01	4152.80	6755.20	4535.40	12320.70	A	75	21	08
1 C01	4126	00	00	0	0	0	0	F1	5212	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4126	00	03	0	0	0	0	F4	5212	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4235	00	00	0	0	0	0	F1	5246	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4235	08	09	83125	1621	83125	1632	F4	5246	01	4134.90	6905.90	3946.00	4539.50	A	26	01	01
1 C01	4236	00	00	0	0	0	0	F4	5248	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4236	01	01	83125	1807	83125	1819	F1	5248	00	4138.40	6911.60	4354.30	9824.50	A	297	01	01
1 C01	4249	01	00	83126	1656	83126	1706	F1	5252	00	4152.50	6633.50	4200.20	6809.90	A	277	17	00
1 C01	4249	17	11	83126	1656	83126	1722	F4	5252	06	4157.20	6759.10	4151.00	6642.10	B	277	15	00
1 C01	4276	01	00	83128	1620	83128	1630	F1	5260	00	4118.00	6634.10	4035.30	5734.60	A	275	03	00
1 C01	4276	03	10	83128	1620	83128	1632	F4	5260	06	4033.10	5734.50	4116.00	6634.50	B	277	03	00
1 C01	4277	00	00	0	0	0	0	F1	5262	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4277	00	03	0	0	0	0	F4	5262	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4290	01	00	83129	1656	83129	1707	F1	5266	00	4215.00	6700.40	4306.90	7742.60	A	278	03	00
1 C01	4290	16	08	83129	1656	83129	1701	F4	5266	06	4213.30	6700.30	4307.10	7757.50	A	87	05	02
1 C01	4331	04	00	83132	1655	83132	1713	F1	5280	00	4156.70	6726.20	4333.60	8726.60	A	278	02	01
1 C01	4331	28	05	83132	1655	83132	1745	F4	5280	03	4154.70	6725.30	4330.50	8754.80	A	65	00	00
1 C01	4344	02	00	83133	1544	83133	1555	F1	5282	00	4202.60	5724.70	4142.70	6547.60	B	274	05	01
1 C01	4344	04	08	83133	1544	83133	1558	F4	5282	09	4139.20	6548.30	4059.00	5730.60	A	282	12	01
1 C01	4345	00	00	0	0	0	0	F1	5284	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4345	21	04	83133	1731	83133	1736	F4	5284	09	4143.10	6545.50	4450.90	11206.30	A	14	18	04
1 C01	4358	01	00	83134	1619	83134	1631	F1	5288	00	4155.70	7833.90	4055.00	6545.00	B	278	03	01
1 C01	4358	12	12	83134	1619	83134	1648	F4	5288	06	4055.80	6551.10	4155.90	7824.60	A	280	05	01
1 C01	4385	02	00	83136	1544	83136	1556	F1	5296	00	4104.60	6823.70	4048.40	6459.50	A	276	11	01
1 C01	4385	09	11	83136	1544	83136	1606	F4	5296	09	4047.70	6510.40	4202.10	6813.20	B	276	22	02
1 C01	4386	00	00	0	0	0	0	F1	5298	00	0.00	0.00	0.00	0.00	C	00	00	00
1 C01	4386	00	02	0	0	0	0	F4	5298	00	0.00	0.00	0.00	0.00	C	00	00	00
2 C01	5768	1	0	83237	2034	83237	2051	F1	6002	0	5745.60	15134.10	5803.10	14849.30	A	77	11	0
3 C01	5768	1	0	83237	2034	83237	2047	F1	6002	0	5803.80	14835.20	5745.20	15140.10	B	78	06	00
2 C01	5768	4	7	83237	2034	83237	2053	F4	6002	12	5800.90	14844.30	5741.90	15142.10	B	78	22	0
3 C01	5768	9	12	83237	2034	83237	2057	F4	6002	12	5744.30	15142.00	5803.10	14836.20	A	76	05	00
2 C01	5768	2	5	83237	2034	83237	2053	F4	6002	6	5754.40	15001.80	5751.90	15026.50	B	78	99	5
3 C01	5768	10	6	83237	2034	83237	2058	F4	6002	6	5806.20	14755.70	5742.10	15203.60	B	80	39	3
2 C02	2113	2	0	83237	2359	83237	20	F1	6003	0	5758.80	15146.70	6536.70	7405.20	A	31	12	2
2 C02	2113	0	2	0	0	0	0	F4	6003	12	0.00	0.00	0.00	0.00	C	0	0	0

2 C02	2113	0	1	0	0	0	0	F4	6003	6	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2135	1	0	83239	1410	83239	1417	F1	6016	0	5628.4015322.60	5211.7010751.90	A	45	1	0	0	
2 C02	2135	11	10	83239	1410	83239	1428	F4	6016	12	5624.5015309.70	5209.3010800.10	A	41	4	2	0	
2 C02	2135	10	8	83239	1410	83239	1428	F4	6016	6	5624.3015317.10	5209.4010801.10	A	48	14	9	0	
2 C02	2142	1	0	83240	243	83240	256	F1	6022	0	5625.9015319.40	5521.1016347.70	A	82	4	0	0	
2 C02	2142	0	0	0	0	0	0	F4	6022	12	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2142	0	0	0	0	0	0	F4	6022	6	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2149	1	0	83240	1438	83240	1445	F1	6025	0	5335.2012348.50	5629.4015318.00	B	68	1	0	0	
2 C02	2149	0	0	0	0	0	0	F4	6025	1	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2149	0	0	0	0	0	0	F4	6025	12	0.00	0.00	0.00	0.00	C	0	0	0
2 S01	2176	01	00	83240	1742	83240	1754	F1	6027	00	5626.5015313.90	5140.2012643.00	A	075	00	01	0	
2 S01	2176	3	4	83240	1742	83240	1756	F4	6027	1	5139.4012509.30	5651.9015437.80	B	303	99	10	0	
2 S01	2176	0	0	0	0	0	0	F4	6027	12	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2154	9	0	83240	2339	83241	15	F1	6030	0	5633.2015313.10	6418.50	7113.10	A	22	17	3	0
2 C02	2154	0	0	0	0	0	0	F4	6030	1	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2154	12	5	83240	2339	83241	17	F4	6030	15	6428.00	7132.20	5643.9015306.20	B	17	48	6	0
2 C02	2155	1	0	83241	126	83241	144	F1	6031	0	5628.1015310.00	5856.4012924.50	A	60	1	0	0	
2 C02	2155	0	0	0	0	0	0	F4	6031	1	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2155	5	11	83241	126	83241	151	F4	6031	15	5628.3015309.40	5856.5012929.10	A	60	1	0	0	
2 S01	2182	1	0	83241	332	83241	337	F1	6032	0	6256.9011551.70	5631.1015307.10	B	47	3	1	0	
2 S01	2182	4	0	83241	332	83241	341	F5	6032	0	6256.1011550.40	5630.1015306.70	B	45	5	1	0	
2 S01	2182	0	0	0	0	0	0	F4	6032	1	0.00	0.00	0.00	0.00	C	0	0	0
2 S01	2182	0	0	0	0	0	0	F4	6032	15	0.00	0.00	0.00	0.00	C	0	0	0
2 S01	2183	1	0	83241	512	83241	514	F1	6033	0	5449.2016211.70	5626.0015310.90	B	69	14	1	0	
2 S01	2183	0	0	0	0	0	0	F4	6033	1	0.00	0.00	0.00	0.00	C	0	0	0
2 S01	2183	0	0	0	0	0	0	F4	6033	15	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2168	3	0	83242	8	83242	31	F1	6039	0	5627.6015316.80	6235.30	9135.70	A	32	6	1	0
3 C02	2168	2	0	83242	8	83242	21	F1	6039	0	5622.3015325.60	6159.50	9031.60	A	325	1	1	0
3 C02	2168	0	3	0	0	0	0	F4	6039	1	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2168	0	3	0	0	0	0	F4	6039	1	0.00	0.00	0.00	0.00	C	0	0	0
3 C02	2168	0	1	0	0	0	0	F4	6039	15	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2168	0	1	0	0	0	0	F4	6039	15	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2169	1	0	83242	155	83242	210	F1	6040	0	5627.0015311.90	5704.7014710.30	A	75	6	0	0	
3 C02	2169	2	0	83242	155	83242	209	F1	6040	0	5629.2015306.30	5704.4014712.30	A	77	1	0	0	
2 C02	2169	4	4	83242	155	83242	213	F4	6040	15	5701.8014716.90	5625.1015308.80	B	75	5	0	0	
3 C02	2169	0	0	0	0	0	0	F4	6040	15	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2169	3	9	83242	155	83242	213	F4	6040	6	5702.9014713.90	5626.0015308.00	B	85	16	1	0	
3 C02	2169	0	2	0	0	0	0	F4	6040	6	0.00	0.00	0.00	0.00	C	0	0	0
2 S01	2197	1	0	83242	450	83242	454	F1	6041	0	5632.2015238.60	5628.8015257.80	B	71	86	1	0	
2 S01	2197	3	0	83242	450	83242	457	F5	6041	0	5633.2015232.90	5632.1015239.10	B	71	99	1	0	
3 S01	2197	2	0	83242	450	83242	503	F1	6041	0	5645.1015140.00	5619.4015401.20	B	70	17	1	0	
3 S01	2197	7	15	83242	450	83242	511	F4	6041	15	5628.0015312.50	5634.2015238.60	A	70	25	0	0	
2 S01	2197	0	0	0	0	0	0	F4	6041	15	0.00	0.00	0.00	0.00	C	0	0	0
3 S01	2197	9	13	83242	450	83242	457	F4	6041	6	5630.4015301.60	5634.7015238.80	A	71	81	0	0	
2 S01	2197	0	0	0	0	0	0	F4	6041	6	0.00	0.00	0.00	0.00	C	0	0	0
3 S01	2198	1	0	83242	631	83242	641	F1	6042	0	5630.8015308.60	4807.8016151.70	A	3	6	6	0	
3 S01	2198	2	7	83242	631	83242	644	F4	6042	15	5628.0015308.80	4807.1016242.50	A	74	3	0	0	
3 S01	2198	3	8	83242	631	83242	644	F4	6042	6	5627.5015315.30	4812.9016257.90	A	89	23	3	0	
3 C02	2177	1	0	83242	1535	83242	1548	F1	6043	0	5636.2015303.90	5700.3015704.80	A	282	9	0	0	
3 C02	2177	0	0	0	0	0	0	F4	6043	15	0.00	0.00	0.00	0.00	C	0	0	0
3 C02	2177	0	2	0	0	0	0	F4	6043	6	0.00	0.00	0.00	0.00	C	0	0	0
3 C02	2178	1	0	83242	1722	83242	1734	F1	6044	0	5632.1015304.80	6152.0014705.50	A	69	3	2	0	
3 C02	2178	0	1	0	0	0	0	F4	6044	15	0.00	0.00	0.00	0.00	C	0	0	0
3 C02	2178	0	1	0	0	0	0	F4	6044	6	0.00	0.00	0.00	0.00	C	0	0	0
3 S01	2205	1	0	83242	1839	83242	1850	F1	6045	0	5626.5015214.60	5643.0015346.60	B	289	12	0	0	
3 S01	2205	3	0	83242	1839	83242	1855	F5	6045	0	5642.4015338.00	5625.6015206.20	A	289	19	1	0	
3 S01	2205	5	11	83242	1839	83242	1857	F4	6045	15	5638.6015319.10	5628.1015221.80	A	289	12	0	0	
3 S01	2205	4	14	83242	1839	83242	1857	F4	6045	6	5626.1015212.50	5640.6015331.60	B	288	39	1	0	
3 S01	2206	1	0	83242	2019	83242	2028	F1	6046	0	5634.8015301.90	6446.5015959.80	A	322	2	1	0	
3 S01	2206	2	0	83242	2019	83242	2031	F5	6046	0	5632.4015259.40	6449.1016040.90	A	69	2	1	0	
3 S01	2206	5	11	83242	2019	83242	2034	F4	6046	15	5634.5015306.60	6451.7016045.90	A	327	5	2	0	
2 S01	2206	0	2	0	0	0	0	F4	6046	15	0.00	0.00	0.00	0.00	C	0	0	0
3 S01	2206	4	16	83242	2019	83242	2034	F4	6046	6	5637.1015305.50	6446.9016008.40	A	331	4	1	0	
3 C02	2181	0	0	0	0	0	0	F1	6047	0	0.00	0.00	0.00	0.00	C	0	0	0
3 C02	2181	2	7	83242	2250	83242	2303	F4	6047	2	5635.8015308.90	6438.40	5135.90	A	75	6	2	0
3 C02	2181	0	0	0	0	0	0	F4	6047	15	0.00	0.00	0.00	0.00	C	0	0	0

2 C02	2182	02	00	83243	0037	83243	0057 F1	6048 00	5632.9015306.70	6050.5011124.40	A	009	04	05		
2 C02	2182	0	2	0	0	0	0 F4	6048 15	0.00	0.00	0.00	0.00	C	0	0	0
2 C02	2182	06	07	83243	0037	83243	0002 F4	6048 06	5632.8015301.20	6049.6011131.50	A	039	01	04		
3 C02	2183	1	0	83243	224	83243	236 F1	6049 0	5637.3015256.30	5529.7016429.20	A	86	2	0		
3 C02	2183	0	2	0	0	0	0 F4	6049 15	0.00	0.00	0.00	0.00	C	0	0	0
3 C02	2183	5	7	83243	224	83243	241 F4	6049 6	5637.6015259.40	5532.1016435.30	A	82	8	1		
3 S01	2211	1	0	83243	429	83243	440 F1	6050 0	5636.0015306.20	5828.1014247.60	A	66	2	0		
3 S01	2211	3	0	83243	429	83243	444 F5	6050 0	5636.0015307.40	5828.8014245.30	A	68	3	0		
2 S01	2211	01	00	83243	0429	83243	0429 F1	6050 00	5823.1014244.70	5633.4015303.30	B	076	00	03		
2 S01	2211	03	00	83243	0429	83243	0436 F5	6050 00	5632.5015305.80	5823.4014240.50	A	066	01	07		
2 S01	2211	07	05	83243	0429	83243	0439 F4	6050 15	5822.5014238.00	5631.5015304.90	B	081	00	01		
3 S01	2211	7	11	83243	429	83243	447 F4	6050 15	5635.9015305.20	5825.8014300.60	A	66	0	0		
3 S01	2211	5	18	83243	429	83243	447 F4	6050 6	5635.7015306.30	5827.9014247.60	A	66	3	0		
2 S01	2211	06	06	83243	0429	83243	0439 F4	6050 06	5632.0015301.90	5822.1014241.50	A	069	00	08		
3 S01	2212	1	0	83243	609	83243	620 F1	6051 0	5634.4015304.00	4956.0017125.20	A	73	1	0		
3 S01	2212	3	0	83243	609	83243	623 F5	6051 0	5634.1015305.00	5010.4017158.30	A	306	1	1		
3 S01	2212	6	6	83243	609	83243	627 F4	6051 15	5633.9015304.90	5003.2017133.80	A	345	0	0		
3 S01	2212	5	13	83243	609	83243	627 F4	6051 6	5634.7015307.90	5011.0017156.40	A	89	4	1		
3 C02	2191	1	0	83243	1604	83243	1617 F1	6052 0	5628.7015235.40	5912.9017501.80	A	291	1	0		
3 C02	2191	3	6	83243	1604	83243	1618 F4	6052 15	5627.9015233.90	5915.7017512.10	A	325	0	0		
3 C02	2191	2	18	83243	1604	83243	1618 F4	6052 6	5657.7015233.80	5912.4017504.30	A	293	1	0		
3 C02	2192	1	0	83243	1751	83243	1802 F1	6053 0	5654.9015231.30	6347.6012614.50	A	61	1	0		
3 C02	2192	0	0	0	0	0	0 F4	6053 15	0.00	0.00	0.00	0.00	C	0	0	0
3 C02	2192	3	10	83243	1751	83243	1804 F4	6053 6	5657.6015234.00	6348.3012623.20	A	53	4	3		
3 S01	2220	1	0	83243	1957	83243	2007 F1	6054 0	6337.1017034.10	5704.7015222.50	B	271	3	1		
3 S01	2220	2	0	83243	1957	83243	2010 F5	6054 0	5703.0015220.40	6332.8017103.10	A	325	2	1		
3 S01	2220	5	4	83243	1957	83243	2013 F4	6054 15	6328.2017042.00	5706.0015227.40	B	67	2	0		
3 S01	2220	4	6	83243	1957	83243	2013 F4	6054 6	5705.8015227.10	6328.6017147.40	A	292	2	1		
1 S01	4477	1	0	84402	1430	84402	1443 F1	6101 0	4222.70 7024.00	5131.5011801.00	A	39	7	5		
1 S01	4477	5	12	84402	1430	84402	1449 F4	6101 10	4224.00 7022.30	5129.7011756.10	A	28	20	14		
1 S01	4477	7	4	84402	1430	84402	1449 F4	6101 21	5133.7011813.80	4221.00 7022.50	B	43	4	1		
4 C02	4373	1	0	84402	1410	84402	1409 F1	6102 0	3958.50 3827.60	4224.80 7021.70	B	273	2	1		
4 C02	4373	17	8	84402	1410	84402	1430 F4	6102 10	3956.90 3844.70	4220.50 7005.20	B	275	21	8		
1 C02	4373	27	10	84402	1410	84402	1636 F4	6102 10	4221.60 7016.80	4002.50 3905.40	A	282	13	8		
1 C02	4373	30	9	84402	1410	84402	1636 F4	6102 21	4223.00 7021.00	3957.90 3858.80	A	84	1	0		
4 C02	4373	18	9	84402	1410	84402	1430 F4	6102 21	4222.70 7021.50	3957.50 3858.90	A	84	1	0		
4 C02	4374	7	0	84402	1555	84402	1615 F1	6103 0	4222.70 7023.10	4358.70 9026.90	A	281	2	1		
1 C02	4374	7	0	84402	1555	84402	1614 F1	6103 0	4224.10 7021.80	4400.10 9026.00	A	279	1	1		
4 C02	4374	22	10	84402	1555	84402	1632 F4	6103 10	4223.50 7019.90	4356.90 9024.60	A	89	12	6		
1 C02	4374	22	10	84402	1555	84402	1634 F4	6103 10	4224.40 7019.40	4357.80 9024.20	A	89	12	6		
4 C02	4374	23	7	84404	1555	84402	1632 F4	6103 21	4222.50 7021.00	4353.80 9016.60	A	86	1	0		
1 C02	4374	23	7	84402	1555	84402	1632 F4	6103 21	4222.50 7021.00	4353.80 9016.60	A	86	1	0		
4 C01	8023	0	0	84402	2014	84402	2037 F1	6104 0	4023.00 7023.20	0.00 0.00	A	0	0	0		
1 C01	8023	1	0	84402	2014	84402	2024 F1	6104 0	4224.10 7022.40	4327.70 5722.50	A	78	2	0		
4 C01	8023	9	10	84402	2014	84402	2037 F4	6104 10	4222.30 7022.80	4325.20 5720.30	A	77	16	6		
1 C01	8023	5	9	84402	2014	84402	2028 F4	6104 10	4327.60 5725.50	4223.80 7021.50	B	67	22	7		
4 C01	8023	10	6	84402	2014	84402	2037 F4	6104 21	4223.40 7021.20	4327.90 5655.70	A	77	0	0		
1 C01	8023	6	5	84402	2014	84402	2028 F4	6104 21	4224.50 7020.40	4327.70 5725.80	A	81	1	0		
4 C01	8023	11	17	84402	2014	84402	2037 F4	6104 13	4223.40 7019.60	4327.90 5708.70	A	77	1	0		
1 C01	8023	7	16	84402	2014	84402	2028 F4	6104 13	4224.60 7019.10	4327.70 5724.50	A	86	3	1		
1 C01	8024	6	0	84402	2159	84402	2219 F1	6105 0	4224.50 7023.70	3940.6010810.50	A	52	1	1		
1 C01	8024	11	9	84402	2159	84402	2229 F4	6105 10	4227.30 7017.20	3941.3010819.20	A	277	11	10		
1 C01	8024	15	6	84402	2159	84402	2229 F4	6105 21	4224.20 7020.00	3934.6010828.70	A	13	0	0		
1 C01	8024	14	9	84402	2159	84402	2229 F4	6105 13	4223.90 7020.20	3931.1010823.50	A	333	1	1		
4 S01	4490	9	26	84403	1229	84403	1248 F5	6107 0	4223.20 7020.60	4023.80 6017.20	A	283	2	0		
4 S01	4490	1	0	84403	1229	84403	1240 F1	6107 0	4223.00 7020.20	4023.70 6017.40	A	284	2	0		
1 S01	4490	1	0	84403	1418	84403	1418 F1	6107 0	4223.90 7020.70	4024.50 6016.50	A	287	3	0		
1 S01	4490	6	0	84403	1229	84403	1245 F5	6107 0	4224.20 7020.90	4024.70 6016.50	A	286	3	0		
4 S01	4490	11	11	84403	1229	84403	1251 F4	6107 10	4224.80 7021.20	4025.10 6016.40	A	278	5	1		
1 S01	4490	9	9	84403	1229	84403	1247 F4	6107 10	4226.00 7020.80	4026.40 6016.10	A	283	4	1		
4 S01	4490	12	9	84403	1229	84403	1251 F4	6107 21	4224.80 7021.60	4025.50 6017.00	A	84	1	0		
1 S01	4490	10	7	84403	1229	84403	1247 F4	6107 21	4027.30 6018.20	4225.90 7021.00	B	87	2	0		
4 S01	4490	10	13	84403	1229	84403	1251 F4	6107 13	4224.70 7020.40	4025.50 6017.10	A	282	1	0		
1 S01	4490	8	11	84403	1229	84403	1247 F4	6107 13	4225.90 7020.00	4026.70 6016.80	A	285	1	0		
1 S01	4491	1	0	84403	1408	84403	1422 F1	6108 0	4224.20 7022.00	4931.6010729.60	A	1	2	1		
1 S01	4491	5	0	84403	1408	84403	1423 F5	6108 0	4224.30 7021.80	4932.2010731.30	A	16	3	3		

1	S01	4491	7	11	84403	1408	84403	1430	F4	6108	10	4225.20	7020.20	4933.5010726.10	A	43	2	1	
1	S01	4491	10	10	84403	1408	84403	1430	F4	6108	21	4225.50	7019.30	4933.7010728.20	A	342	1	1	
1	S01	4491	9	14	84403	1408	84403	1430	F4	6108	13	4225.30	7019.30	4933.0010731.60	A	359	1	0	
4	C02	4397	1	0	84403	1438	84403	1450	F1	6109	0	4223.00	7022.10	4111.60	5522.30	A	273	2	0
1	C02	4397	1	0	84403	1438	84403	1446	F1	6109	0	4223.60	7021.10	4114.40	5532.70	A	277	1	0
4	C02	4387	11	9	84403	1438	84403	1458	F4	6109	10	4222.00	7020.90	4115.00	5537.40	A	276	1	1
1	C02	4387	6	6	84403	1438	84403	1450	F4	6109	10	4222.20	7020.40	4111.90	5533.80	A	56	1	1
4	C02	4387	10	8	84403	1438	84403	1458	F4	6109	21	4222.80	7021.50	4113.00	5537.40	A	271	0	0
1	C02	4387	7	7	84403	1438	84403	1450	F4	6109	21	4223.30	7020.90	4114.40	5533.10	A	278	1	0
4	C02	4387	9	16	84403	1438	84403	1458	F4	6109	13	4222.70	7021.80	4111.40	5522.70	A	274	0	0
1	C02	4387	4	10	84403	1438	84403	1450	F4	6109	13	4223.30	7020.90	4114.30	5533.70	A	278	0	0
1	C02	4398	1	0	84403	1624	84403	1635	F1	6110	0	4224.10	7021.30	4524.3010901.80	A	334	1	1	
1	C02	4398	9	10	84403	1624	84403	1643	F4	6110	10	4223.60	7021.40	4525.3010909.00	A	33	22	20	
1	C02	4388	11	7	84403	1624	84403	1643	F4	6110	21	4223.70	7020.10	4526.4010854.50	A	13	1	0	
1	C02	4388	10	14	84403	1624	84403	1643	F4	6110	13	4223.40	7020.40	4518.8010903.60	A	346	0	0	
4	C01	8036	1	0	84403	1902	84403	1912	F1	6111	0	4222.40	7019.00	4553.50	2336.60	A	348	1	1
4	C01	8036	3	10	84403	1902	84403	1909	F4	6111	10	4223.00	7020.60	4559.90	2320.10	A	307	6	5
4	C01	8036	4	4	84403	1902	84403	1913	F4	6111	21	4223.10	7021.30	4549.90	2320.50	A	337	0	0
4	C01	8036	5	8	84403	1902	84403	1913	F4	6111	13	4223.80	7021.70	4601.90	2325.30	A	337	1	0
4	C01	8037	1	0	84403	2049	84403	2102	F1	6112	0	4222.50	7022.60	4145.00	7810.50	A	86	3	0
1	C01	8037	2	0	84403	2049	84403	2103	F1	6112	0	4223.50	7023.00	4146.00	7810.00	A	86	3	0
4	C01	8037	19	7	84403	2049	84403	2120	F4	6112	10	4145.40	7815.70	4224.00	7021.90	B	277	14	3
1	C01	8037	17	7	84403	2049	84403	2118	F4	6112	10	446.30	7814.90	4224.90	7022.30	B	277	14	3
4	C01	8037	0	3	0	0	0	0	F4	6112	21	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	8037	0	3	0	0	0	0	F4	6112	21	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	8037	20	11	84403	2049	84403	2120	F4	6112	13	4223.40	7020.40	4146.40	7805.50	A	84	1	0
1	C01	8037	18	11	84403	2049	84403	2118	F4	6112	13	4224.20	7020.80	4147.40	7804.60	A	84	1	0
4	S01	4504	3	7	84404	1207	84404	1216	F4	6113	22	3823.20	5007.90	4224.90	7017.60	B	272	6	2
4	S01	4504	1	12	84404	1207	84404	1216	F4	6113	9	3909.20	4938.20	4213.40	7014.50	B	289	43	34
4	S01	4505	1	0	84404	1347	84404	1359	F1	6115	0	4223.00	7021.20	4738.00	9735.10	A	298	6	2
4	S01	4505	4	0	84404	1347	84404	1403	F5	6115	0	4743.10	9717.80	4232.80	7030.10	B	286	15	7
1	S01	4505	1	0	84404	1347	84404	1400	F1	6115	0	4224.70	7021.50	4739.30	9731.70	A	293	6	2
1	S01	4505	4	0	84404	1347	84404	1405	F5	6115	0	4232.20	7033.90	4741.40	9715.10	A	288	13	6
1	S01	4505	12	9	84404	1347	84404	1412	F4	6115	22	4223.90	7020.50	4733.20	9710.30	A	296	7	6
4	S01	4505	11	10	84404	1347	84404	1412	F4	6115	22	4222.80	7017.90	4739.60	9736.20	A	285	12	5
4	C02	4401	1	0	84404	1506	84404	1518	F1	6116	0	4232.90	7225.90	4224.10	7037.30	B	277	17	0
1	C02	4401	1	0	84404	1506	84404	1517	F1	6116	0	4234.20	7231.00	4224.40	7030.20	B	277	16	0
4	C02	4401	11	11	84404	1506	84404	1531	F4	6116	22	4222.40	7009.60	4235.60	7252.80	A	278	43	2
1	C02	4401	12	10	84404	1506	84404	1531	F4	6116	22	4223.30	7010.30	4236.30	7251.20	A	278	46	2
1	C02	4402	5	0	84404	1653	84404	1711	F1	6117	0	4220.10	7017.80	4629.2012811.30	A	29	3	2	
1	C02	4402	12	4	84404	1653	84404	1719	F4	6117	22	4238.80	7037.60	4716.4012717.30	A	332	26	3	
4	C01	8050	2	0	84404	1938	84404	1951	F1	6118	0	4222.60	7022.70	4419.10	4611.20	A	76	2	1
1	C01	8050	2	0	84404	1938	84404	1947	F1	6118	0	4224.50	7020.70	4422.10	4618.80	A	70	4	1
4	C01	8050	0	3	0	0	0	0	F4	6118	22	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	8050	0	2	0	0	0	0	F4	6118	22	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	8050	7	12	84404	1938	84404	1957	F4	6118	13	4223.30	7021.50	4420.90	4617.70	A	53	1	0
1	C01	8050	7	11	84404	1938	84404	1952	F4	6118	13	4224.50	7020.80	4417.10	4601.30	A	288	0	0
4	C01	8050	5	15	84404	1938	84404	1957	F4	6118	5	4224.40	7018.80	4420.30	4616.50	A	72	4	1
1	C01	8050	6	11	84404	1938	84404	1952	F4	6118	5	4225.20	7019.80	4422.50	4620.70	A	70	2	2
1	C01	8051	1	0	84404	2124	84404	2138	F1	6119	0	4224.00	7021.00	4014.40	9824.70	A	274	3	1
4	C01	8051	0	0	0	0	0	0	F4	6119	22	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	8051	0	0	0	0	0	0	F4	6119	22	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	8051	0	0	0	0	0	0	F4	6119	22	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	8051	11	7	84404	2124	84404	2151	F4	6119	13	4223.60	7020.90	4012.70	9810.60	A	321	0	0
1	C01	8051	10	12	84404	2124	84404	2151	F4	6119	5	4224.50	7022.20	4013.30	9826.90	A	285	5	1
4	C01	8051	0	0	0	0	0	0	F4	6119	5	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	4518	2	0	84405	1145	84405	1156	F1	6120	0	4226.20	7030.90	3619.90	3931.20	A	61	3	2
4	S01	4518	13	6	84405	1145	84405	1205	F4	6120	22	4227.50	7021.50	3616.20	3942.50	A	328	13	11
4	S01	4518	11	12	84405	1145	84405	1205	F4	6120	5	4224.80	7030.40	3612.80	3932.30	A	16	4	4
4	S01	4519	5	0	84405	1326	84405	1339	F1	6122	0	4223.00	7020.10	4540.40	8712.20	A	289	3	1
1	S01	4519	5	0	84405	1326	84405	1341	F1	6122	0	4223.90	7018.10	4541.70	8714.30	A	287	3	1
1	S01	4519	9	0	84405	1326	84405	1347	F5	6122	0	4224.40	7020.60	4541.30	8713.40	A	288	4	1
4	S01	4519	15	9	84405	1326	84405	1349	F4	6122	22	4224.50	7013.40	4543.60	8720.90	A	318	11	6
1	S01	4519	14	8	84405	1326	84405	1351	F4	6122	22	4224.80	7011.50	4544.60	8723.40	A	312	12	6
4	S01	4519	16	17	84405	1326	84405	1349	F4	6122	5	4224.90	7020.00	4542.10	8712.40	A	291	2	0
1	S01	4519	15	16	84405	1326	84405	1351	F4	6122	5	4225.80	7019.50	4543.00	8712.30	A	289	2	0

1	C02	4415	2	0	84405	1535	84405	1547	F1	6123	0	4223.40	7014.70	4401.40	9030.50	A	286	1	1
1	C02	4415	10	10	84405	1535	84405	1555	F4	6123	22	4224.50	7021.30	4400.30	9045.10	A	286	6	3
4	C02	4415	9	10	84405	1535	84405	1554	F4	6123	22	4223.60	7021.90	4359.40	9045.50	A	286	6	3
1	C02	4415	9	13	84405	1535	84405	1555	F4	6123	5	4223.60	7020.90	4402.60	9049.60	A	274	1	1
4	C01	8063	0	0	0	0	0	0	F4	6124	22	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	8063	0	0	0	0	0	0	F4	6124	22	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	8063	0	0	0	0	0	0	F4	6124	22	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	8063	4	5	84405	1655	84405	1703	F4	6124	5	4225.90	7024.30	0.00	0.00	A	0	0	0
1	C01	8064	1	0	84405	2013	84405	2025	F1	6125	0	4222.10	7030.60	4237.70	6717.60	A	82	14	1
1	C01	8064	6	4	84405	2013	84405	2027	F4	6125	22	4233.20	6830.10	4230.70	6904.40	B	84	99	3
1	C01	8064	4	7	84405	2013	84405	2027	F4	6125	5	4223.30	7021.70	4237.60	6727.50	A	83	7	0
1	S01	4675	3	0	84416	1248	84416	1301	F1	6131	0	4204.20	6850.10	4229.00	7055.50	B	286	56	4
1	S01	4675	11	0	84416	1248	84416	1310	F5	6131	0	4227.00	7129.20	4158.70	6924.30	A	286	54	6
1	S01	4675	19	9	84416	1248	84416	1317	F4	6131	21	4217.30	9642.00	4224.00	7016.20	B	286	8	0
1	S01	4675	20	11	84416	1248	84416	1317	F4	6131	21	4212.50	6913.60	4226.00	7022.20	B	285	36	1
1	S01	4675	21	6	84416	1248	84416	1317	F4	6131	6	4207.10	6840.40	4223.60	6958.90	B	285	99	6
4	S02	4676	7	0	84416	1428	84416	1446	F1	6133	0	4224.70	7031.10	5117.70	11648.50	A	40	16	11
1	S01	4676	16	12	84416	1428	84416	1459	F4	6133	21	4225.30	7020.10	5116.30	11651.70	A	18	2	1
1	S01	4676	18	12	84416	1428	84416	1459	F4	6133	21	4224.70	7019.60	5120.70	11656.60	A	30	4	3
4	S01	4676	17	12	84416	1428	84416	1455	F4	6133	21	4224.40	7020.50	5115.70	11651.60	A	18	2	1
4	S01	4676	18	12	84416	1428	84416	1455	F4	6133	21	4223.90	7020.00	5120.10	11656.60	A	30	4	3
1	S01	4676	15	5	84416	1428	84416	1459	F4	6133	6	5132.90	11656.70	4229.80	7027.20	B	74	25	12
4	S01	4676	16	5	84416	1428	84416	1455	F4	6133	6	5132.30	11656.60	4229.00	7027.60	B	74	25	12
1	C02	4566	19	5	84416	1534	84416	1601	F4	6134	21	4224.10	7020.80	4647.60	12940.20	A	30	0	0
1	C02	4566	17	7	84416	1533	84416	1601	F4	6134	21	4222.50	7020.30	4651.80	12937.80	A	2	4	2
4	C02	4566	13	5	84416	1534	84416	1552	F4	6134	21	4223.20	7021.30	4646.70	12940.30	A	30	0	0
4	C02	4566	11	7	84416	1533	84416	1552	F4	6134	21	4221.70	7020.80	4650.90	12937.90	A	2	4	2
1	C02	4566	18	9	84416	1534	84416	1601	F4	6134	6	4228.60	7010.30	4647.10	12947.80	A	19	22	12
4	C02	4566	12	9	84416	1534	84416	1552	F4	6134	6	4227.70	7010.80	4646.20	12947.90	A	19	22	12
1	S01	4689	6	0	84417	1227	84417	1240	F1	6137	0	4236.60	7013.70	4024.80	5852.30	A	283	21	3
1	S01	4689	14	4	84417	1227	84417	1248	F4	6137	1	4225.60	7009.70	4015.60	5925.40	A	298	9	2
1	S01	4689	13	12	84417	1227	84417	1248	F4	6137	1	4224.90	7022.20	4012.30	5912.00	A	286	4	1
1	S01	4689	15	7	84417	1227	84417	1248	F4	6137	21	4224.80	7022.20	4011.40	5903.90	A	276	0	0
1	S01	4689	0	3	0	0	0	0	F4	6137	21	0.00	0.00	0.00	0.00	C	0	0	0
1	S01	4690	2	0	84417	1406	84417	1420	F1	6139	0	4222.20	7020.30	4920.20	10628.70	A	10	3	3
1	S01	4690	19	11	84417	1406	84417	1434	F4	6139	21	4224.40	7020.70	4920.50	10629.30	A	357	0	0
1	S01	4690	15	11	84417	1406	84417	1433	F4	6139	21	4220.90	7022.30	4919.10	1010625.70	A	39	6	5
1	S01	4690	17	12	84417	1406	84417	1434	F4	6139	3	4225.80	7020.70	4921.40	10624.40	A	9	5	2
1	C01	8227	1	0	84417	1826	84417	1836	F1	6141	0	4234.70	7019.40	4350.30	5452.60	A	77	5	1
1	C01	8227	7	11	84417	1826	84417	1842	F4	6141	21	4223.30	7020.60	4341.00	5430.60	A	72	1	0
1	C01	8227	8	8	84417	1826	84417	1842	F4	6141	21	4224.70	7020.00	4342.20	5434.00	A	69	0	0
1	C01	8227	6	8	84417	1826	84417	1842	F4	6141	3	4223.80	7019.60	4340.00	5451.00	A	67	4	1
1	C01	8228	21	6	84417	2021	84417	2045	F4	6142	21	4223.50	7019.80	3931.50	10609.60	A	311	5	1
1	C01	8228	20	7	84417	2012	84417	2045	F4	6142	21	4223.90	7019.00	3935.90	10603.50	A	318	2	1
4	C01	8228	14	6	84417	2012	84417	2037	F4	6142	21	4222.70	7020.10	3930.70	10609.20	A	311	5	1
4	C01	8228	13	7	84417	2012	84417	2037	F4	6142	21	4223.10	7019.30	3935.10	10603.10	A	318	2	1
1	C01	8228	0	0	0	0	0	0	F4	6142	3	0.00	0.00	0.00	0.00	C	0	0	0
1	S01	4703	1	0	84418	1205	84418	1213	F1	6143	0	4231.80	7032.60	3814.10	4838.40	A	69	4	3
1	S01	4703	2	0	84418	1205	84418	1216	F5	6143	0	4230.20	7034.30	3812.00	4838.10	A	67	4	3
4	S01	4703	1	0	84418	1205	84418	1216	F1	6143	0	3808.00	4903.00	4227.70	7043.20	B	88	4	3
4	S01	4703	4	0	84418	1205	84418	1221	F5	6143	0	4223.30	7023.70	3808.00	4902.50	A	284	6	2
1	S01	4703	9	8	84418	1205	84418	1220	F4	6143	21	4224.20	7021.40	3813.40	4855.80	A	68	1	0
1	S01	4703	8	7	84418	1205	84418	1220	F4	6143	21	4225.50	7020.20	3811.90	4852.30	A	75	7	4
4	S01	4703	13	11	84418	1205	84418	1226	F4	6143	21	4223.20	7021.40	3809.70	4905.20	A	277	2	0
4	S01	4703	14	8	84418	1205	84418	1226	F4	6143	21	4224.60	7020.00	3807.60	4850.00	A	89	6	4
1	S01	4703	10	7	84418	1205	84418	1220	F4	6143	3	4224.60	7020.90	3814.70	4857.50	A	67	0	0
4	S01	4703	0	1	84418	0	0	0	F4	6143	3	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	4703	11	11	84418	1205	84418	1226	F4	6143	3	4223.40	7021.30	3809.30	4904.00	A	281	0	0
1	C02	4592	1	0	84418	1258	84418	1307	F1	6144	0	4121.20	5706.00	4224.70	7017.30	B	275	7	2
4	C02	4592	1	0	84418	1258	84418	1309	F1	6144	0	4121.30	5706.80	4224.60	7018.50	B	274	6	1
1	C02	4592	6	7	84418	1258	84418	1310	F4	6144	21	4223.70	7020.10	4119.60	5702.00	A	274	2	0
1	C02	4592	5	12	84418	1258	84418	1310	F4	6144	21	4223.60	7020.90	4119.50	5703.50	A	280	4	1
4	C02	4592	7	8	84418	1258	84418	1312	F4	6144	21	4223.00	7021.00	4121.40	5715.00	A	272	1	0
4	C02	4592	6	14	84418	1258	84418	1312	F4	6144	21	4222.90	7021.40	4120.50	5718.00	A	274	3	1
1	C02	4592	7	9	84418	1258	84418	1310	F4	6144	3	4223.60	7021.30	4122.00	5712.00	A	275	0	0
4	C02	4592	4	4	84418	1258	84418	1312	F4	6144	3	4111.90	5737.60	4209.80	6946.30	B	290	0	0

4 C02	4592	8	10	84418	1258	84418	1312	F4	6144	3	4222.90	7021.70	4122.10	5712.40	A	277	0	0
1 S01	4704	11	0	84418	1345	84418	1409	F5	6145	0	4726.90	9631.10	4222.70	7019.10	B	290	11	5
1 S01	4704	2	0	84418	1345	84418	1359	F1	6145	0	4223.50	7017.00	4724.50	9618.30	A	286	9	4
4 S01	4704	2	0	84418	1345	84418	1357	F1	6145	0	4222.80	7017.40	4727.40	9632.10	A	290	9	4
4 S01	4704	10	0	84418	1345	84418	1405	F5	6145	0	4222.00	7017.70	4726.50	9633.90	A	294	10	4
1 S01	4704	32	13	84418	1345	84418	1425	F4	6145	21	4224.40	7020.60	4722.10	9607.20	A	304	0	0
1 S01	4704	33	12	84418	1345	84418	1425	F4	6145	21	4223.10	7019.00	4723.60	9613.10	A	323	6	5
4 S01	4704	29	14	84418	1345	84418	1418	F4	6145	21	4223.40	7021.10	4726.60	9627.90	A	287	1	0
4 S01	4704	31	12	84418	1345	84418	1419	F4	6145	21	4222.20	7019.40	4722.70	9613.40	A	323	6	5
1 S01	4704	30	14	84418	1345	84418	1425	F4	6145	3	4224.20	7020.50	4727.50	9628.50	A	289	0	0
4 S01	4704	28	15	84418	1345	84418	1418	F4	6145	3	4223.30	7020.80	4726.70	9629.00	A	294	0	0
1 C02	4593	6	0	84418	1444	84418	1501	F1	6146	0	4220.80	7015.90	4529.20	1101.60	A	347	4	4
4 C02	4593	6	0	84418	1444	84418	1500	F1	6146	0	4220.20	7015.90	4527.40	1103.00	A	345	4	4
1 C02	4593	21	10	84418	1444	84418	1516	F4	6146	21	4224.00	7020.10	4529.70	11040.70	A	30	2	1
1 C02	4593	20	7	84418	1444	84418	1516	F4	6146	21	4223.20	7020.20	4529.90	11052.80	A	30	4	3
4 C02	4593	36	7	84418	1444	84418	1528	F4	6146	21	4222.40	7020.80	4528.90	11052.90	A	30	4	3
4 C02	4593	37	10	84418	1444	84418	1528	F4	6146	21	4223.20	7020.70	4528.80	11040.80	A	30	2	1
1 C02	4593	19	14	84418	1444	84418	1516	F4	6146	3	4223.30	7020.20	4535.20	11050.30	A	351	0	0
4 C02	4593	35	14	84418	1444	84418	1528	F4	6146	3	4222.40	7020.70	4534.20	11050.30	A	351	0	0
4 C01	8240	1	0	84418	1714	84418	1728	F1	6147	0	4222.10	7033.20	4604.50	2031.50	A	347	7	5
4 C01	8240	0	3	0	0	0	0	F4	6147	21	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	8240	4	6	84418	1715	84418	1726	F4	6147	21	4221.50	7020.10	4602.70	2052.70	A	321	3	1
4 C01	8240	0	1	0	0	0	0	F4	6147	3	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	8240	0	3	0	0	0	0	F4	6147	3	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	8241	3	0	84418	1901	84418	1917	F1	6148	0	4157.90	7531.50	4222.70	7025.80	B	85	19	2
1 C01	8241	13	9	84418	1901	84418	1926	F4	6148	21	4224.20	7021.00	4157.90	7535.70	A	89	2	0
1 C01	8241	14	4	84418	1901	84418	1926	F4	6148	21	4224.90	7030.30	4159.40	7526.00	A	83	30	9
1 C01	8241	12	5	84418	1901	84418	1926	F4	6148	3	4224.30	7022.00	4157.90	7533.30	A	82	0	0
1 C01	8242	8	0	84418	2046	84418	2107	F1	6149	0	4233.40	7056.40	3956.60	12450.90	A	10	3	2
4 C02	4605	1	0	84419	1142	84419	1149	F1	6150	0	4224.00	7029.40	3901.00	2411.40	A	7	2	1
4 C02	4605	0	1	0	0	0	0	F4	6150	1	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	4605	4	6	84419	1142	84419	1150	F4	6150	1	4216.90	7018.00	3853.20	2422.60	A	20	24	14
4 C02	4605	0	3	0	0	0	0	F4	6150	21	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	4605	5	5	84419	1142	84419	1150	F4	6150	21	4223.30	7019.80	3900.10	2427.20	A	351	4	3
1 S01	4718	1	0	84419	1324	84419	1336	F1	6152	0	4223.90	7021.00	4528.60	8608.20	A	287	2	1
1 S01	4718	6	0	84419	1324	84419	1343	F5	6152	0	4224.20	7020.70	4528.90	8608.30	A	287	2	1
4 S01	4718	1	0	84419	1324	84419	1336	F1	6152	0	4223.00	7021.60	4527.70	8608.30	A	289	2	0
4 S01	4718	6	0	84419	1324	84419	1343	F5	6152	0	4223.50	7021.70	4528.10	8608.30	A	289	2	1
1 S01	4718	14	12	84419	1324	84419	1349	F4	6152	21	4224.30	7020.30	4529.20	8609.20	A	289	0	0
1 S01	4718	15	10	84419	1324	84419	1349	F4	6152	21	4224.60	7019.60	4529.60	8609.50	A	285	7	3
4 S01	4718	11	11	84419	1324	84419	1349	F4	6152	1	4526.20	8600.50	4224.30	7028.70	B	296	8	3
4 S01	4718	13	13	84419	1324	84419	1350	F4	6152	21	4223.40	7020.80	4528.30	8609.60	A	292	0	0
4 S01	4718	14	11	84419	1324	84419	1350	F4	6152	21	4223.70	7019.50	4528.90	8610.40	A	288	7	2
1 S01	4718	12	10	84419	1324	84419	1349	F4	6152	4	4526.30	8558.50	4225.20	7029.90	B	292	6	2
1 C02	4607	8	5	84419	1514	84419	1527	F4	6154	21	4223.90	7020.40	4653.20	12950.40	A	7	1	0
1 C02	4607	10	7	84419	1514	84419	1527	F4	6154	21	4223.10	7019.90	4637.50	12919.90	A	36	7	3
1 C02	4607	9	8	84419	1514	84419	1527	F4	6154	4	4221.50	7018.70	4632.30	12953.00	A	37	37	19
1 C01	8254	1	0	84419	1750	84419	1758	F1	6155	0	4222.00	7025.70	4427.30	4310.40	A	286	2	1
4 C01	8254	3	0	84419	1750	84419	1804	F1	6155	0	4222.40	7021.30	4430.70	4333.80	A	75	2	0
1 C01	8254	3	9	84419	1750	84419	1759	F4	6155	21	4224.40	7021.90	4428.20	4317.10	A	282	0	0
1 C01	8254	4	8	84419	1750	84419	1759	F4	6155	21	4224.60	7020.60	4430.10	4316.60	A	302	1	1
4 C01	8254	9	15	84419	1750	84419	1812	F4	6155	1	4224.20	7013.30	4431.40	4343.50	A	75	15	6
4 C01	8254	10	12	84419	1750	84419	1812	F4	6155	21	4223.30	7022.20	4432.70	4336.20	A	71	0	0
4 C01	8254	12	11	84419	1750	84419	1812	F4	6155	21	4223.30	7020.70	4432.20	4336.90	A	77	2	1
1 C01	8254	5	9	84419	1750	84419	1759	F4	6155	4	4227.80	7014.80	4432.90	4326.30	A	275	12	11
1 C01	8255	2	0	84419	1936	84419	1951	F1	6156	0	4223.00	7015.10	4022.40	9606.40	A	274	5	2
1 C01	8255	9	6	84419	1936	84419	2000	F4	6156	21	4224.30	7020.60	4031.90	9544.40	A	62	1	1
1 C01	8255	10	4	84419	1936	84419	2000	F4	6156	21	4225.40	7020.90	4029.50	9536.80	A	14	5	1
1 C01	8255	7	11	84419	1936	84419	2000	F4	6156	4	4026.40	9552.90	4224.40	7027.80	B	271	28	13
1 C02	4619	1	0	84420	1210	84420	1216	F1	6158	0	4225.20	7022.20	4007.40	4037.40	A	352	2	1
1 C02	4619	0	2	0	0	0	0	F4	6158	1	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	4619	0	3	0	0	0	0	F4	6158	1	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	4619	0	1	0	0	0	0	F4	6158	21	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	4619	3	3	84420	1210	84420	1217	F4	6158	21	3955.40	4037.50	4221.20	7019.30	B	34	0	0
1 S01	4732	1	0	84420	1302	84420	1314	F1	6159	0	4224.20	7020.50	4331.20	7609.20	A	287	5	1
1 C01	4732	3	0	84420	1302	84420	1318	F5	6159	0	4220.80	7010.00	4331.10	7613.70	A	287	11	2

4	S01	4732	1	0	84420	1302	84420	1315	F1	6159	0	4329.70	7612.40	4217.60	7004.60	B	287	9	1
4	S01	4732	3	0	84420	1302	84420	1319	F5	6159	0	4220.40	7011.90	4329.50	7604.40	A	288	12	2
1	S01	4732	9	6	84420	1302	84420	1321	F4	6159	1	4331.00	7553.30	4226.70	7028.90	B	292	30	1
1	S01	4732	8	9	84420	1302	84420	1321	F4	6159	1	4223.80	7037.60	4323.10	7537.30	A	293	15	4
1	S01	4732	0	3	0	0	0	0	F4	6159	21	0.00	0.00	0.00	0.00	C	0	0	0
1	S01	4732	6	8	84420	1302	84420	1321	F4	6159	21	4223.00	7015.20	4325.90	7541.30	A	281	18	4
4	S01	4732	10	6	84420	1302	84420	1323	F4	6159	1	4330.00	7553.80	4225.70	7029.20	B	292	30	1
4	S01	4732	9	10	84420	1302	84420	1322	F4	6159	1	4325.60	7545.30	4223.10	7029.00	B	296	43	13
4	S01	4732	8	4	84420	1302	84420	1322	F4	6159	21	4330.00	7614.70	4220.40	7017.10	B	304	23	0
4	S01	4732	7	9	84420	1302	84420	1322	F4	6159	21	4222.70	7019.20	4325.10	7541.10	A	283	28	3
1	C02	4620	2	0	84420	1356	84420	1407	F1	6160	0	4222.10	7015.60	4410.40	9243.60	A	288	1	0
4	C02	4620	2	0	84420	1356	84420	1408		6160	0	4220.70	7015.30	4409.70	9244.00	A	286	1	0
1	C02	4620	0	0	0	0	0	0	F4	6160	1	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	4620	10	11	84420	1356	84420	1413	F4	6160	1	4225.20	7026.80	4409.40	9227.20	A	276	10	6
1	C02	4620	9	9	84420	1356	84420	1413	F4	6160	21	4223.70	7020.40	4409.20	9239.40	A	275	1	0
1	C02	4620	11	6	84420	1356	84420	1413	F4	6160	21	4226.00	7021.80	4411.90	9226.90	A	288	5	4
4	C02	4620	0	0	0	0	0	0	F4	6160	1	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	4620	10	12	84420	1356	84420	1415	F4	6160	1	4223.90	7027.20	4406.80	9228.50	A	274	10	6
4	C02	4620	9	9	84420	1356	84420	1415	F4	6160	21	4222.80	7020.90	4408.30	9239.70	A	275	1	0
4	C02	4620	11	6	84420	1356	84420	1415	F4	6160	21	4225.20	7022.30	4411.00	9227.20	A	288	5	4
1	C02	1122	15	9	83165	1918	83165	1949	F4	7000	4	3338.80	7802.10	3431.40	9025.40	A	284	0	0
4	S01	1113	2	11	83165	2236	83165	2249	F4	7001	4	3337.80	7724.40	4328.40	2856.10	A	322	1	0
4	S01	1114	17	10	83166	16	83166	43	F4	7002	4	3350.90	7647.60	3344.90	7715.70	B	75	27	1
1	C01	4786	12	9	83166	22	83166	45	F4	7003	4	3346.20	7641.20	3343.70	7723.20	A	85	65	0
4	S01	1115	6	8	83166	156	83166	210	F4	7004	4	3357.50	7641.10	2329.8012513.20	A	12	1	0	
1	C01	4787	11	6	83166	208	83166	228	F4	7005	4	3401.70	7641.70	3103.2012836.50	A	27	4	1	
1	C02	1127	4	7	83166	433	83166	439	F4	7006	4	3412.70	7604.50	3655.90	2935.00	A	281	2	0
4	C02	1127	6	11	83166	433	83166	445	F4	7006	4	3410.90	7604.50	3703.00	2857.70	A	305	1	0
1	C02	1128	12	12	83166	620	83166	640	F4	7007	4	3427.10	7543.30	3353.50	8337.30	A	276	1	0
1	C02	1129	9	8	83166	804	83166	819	F4	7008	4	3444.90	7520.00	3124.3013400.30	A	17	1	0	
4	C02	1129	10	8	83166	804	83166	815	F4	7008	4	3443.10	7520.60	3122.5013400.10	A	17	1	0	
1	C01	4793	7	9	83166	1207	83166	1225	F4	7009	4	3519.50	7415.60	3404.00	5604.70	A	288	0	0
20	C01	4793	0	14	83166	1216	83166	1608	F4	7009	4	3517.99	7415.90	3404.94	5607.31	A	96	4	4
4	S01	1121	14	12	83166	1236	83166	1257	F4	7010	4	3514.40	7408.30	3332.30	6553.10	A	282	0	0
1	C01	4794	10	13	83166	1353	83166	1422	F4	7011	4	3518.10	7346.20	3748.2011006.30	A	325	0	0	
20	C01	4794	0	15	83166	1359	83166	1608	F4	7011	4	3516.97	7346.78	3746.5411006.32	A	137	4	4	
4	S01	1122	14	13	83166	1415	83166	1439	F4	7012	4	3517.90	7344.80	4324.8011342.70	A	45	0	0	
1	C02	1135	7	11	83166	1802	83166	1821	F4	7013	4	3541.10	7253.60	3450.70	6032.30	A	87	0	0
4	C02	1135	13	12	83166	1802	83166	1825	F4	7013	4	3541.40	7254.10	3449.90	6033.00	A	89	0	0
4	C02	1136	8	10	83166	1948	83166	2005	F4	7014	4	3554.00	7226.70	3834.4011424.30	A	53	0	0	
1	C02	1136	8	11	83166	1954	83166	2006	F4	7014	4	3554.00	7226.50	3834.4011424.20	A	55	0	0	
4	S01	1127	7	10	83166	2215	83166	2228	F4	7015	4	3617.70	7155.50	4543.10	2458.90	A	310	0	0
1	C01	4799	3	11	83166	2311	83166	2322	F4	7016	4	3619.20	7136.00	3739.30	5126.20	A	276	1	0
20	C01	4799	0	13	83166	2319	83167	550	F4	7016	4	3618.87	7135.51	3745.09	5102.67	A	91	5	4
4	S01	1128	9	18	83166	2355	83167	14	F4	7017	4	3628.80	7129.30	3607.70	7312.40	A	76	2	0
1	C01	4800	20	8	83167	56	83167	135	F4	7018	4	3636.30	7108.80	3429.1010342.80	A	48	1	0	
20	C01	4800	0	12	83167	104	83167	550	F4	7018	4	3636.12	7109.15	3426.5610338.47	A	80	6	5	
4	S01	1129	19	11	83167	135	83167	200	F4	7019	4	3644.20	7053.80	2601.2012139.00	A	1	0	0	
1	C02	1141	8	8	83167	502	83167	516	F4	7020	4	3717.50	6959.40	3822.80	5449.60	A	87	1	0
4	C02	1141	12	7	83167	502	83167	522	F4	7020	4	3715.40	6959.70	3823.70	5447.70	A	81	1	0
1	C02	1142	18	9	83167	647	83167	720	F4	7021	4	3734.20	6936.20	3511.0010647.90	A	52	0	0	
4	C02	1142	19	9	83167	647	83167	717	F4	7021	4	3732.50	6936.70	3509.2010647.80	A	52	0	0	
4	C01	4806	3	6	83167	1058	83167	1107	F4	7022	4	3815.00	6824.10	3535.50	3032.00	A	353	0	0
1	C01	4807	20	10	83167	1243	83167	1322	F4	7023	4	3827.50	6749.70	3932.10	8241.70	A	286	1	0
4	C01	4807	22	9	83167	1243	83167	1323	F4	7023	4	3827.40	6750.00	3931.00	8242.40	A	284	1	0
4	S01	1136	2	15	83167	1353	83167	1401	F4	7024	4	3831.80	6746.10	4617.2010641.50	A	26	0	0	
1	C01	4808	19	4	83167	1431	83167	1511	F4	7025	4	3837.80	6734.00	4246.7013915.30	A	27	1	0	
4	C01	4808	19	4	83167	1431	83167	1502	F4	7025	4	3837.80	6734.00	4246.8013915.60	A	27	1	0	
4	C02	1148	1	6	83167	1646	83167	1655	F4	7026	4	3857.00	6715.30	3625.30	3141.00	A	87	0	0
4	C02	1149	12	13	83167	1832	83167	1857	F4	7027	4	3906.70	6648.80	4022.30	8311.20	A	277	0	0
1	C02	1150	15	9	83167	2019	83167	2046	F4	7028	4	3914.70	6625.10	4350.2014011.90	A	29	1	0	
4	C02	1150	12	7	83167	2019	83167	2040	F4	7028	4	3914.40	6625.70	4348.5014008.70	A	38	2	0	
4	C01	4812	6	7	83167	2159	83167	2209	F4	7029	4	3923.70	6605.10	4205.40	2428.90	A	334	1	0
20	C01	4812	0	15	83167	2201	83168	813	F4	7029	4	3926.91	6606.24	4214.72	2411.03	A	348	4	4
4	S01	1142	15	11	83167	2334	83167	2341	F4	7030	4	3941.10	6549.50	3852.00	6953.80	A	77	2	0
1	C01	4813	20	7	83167	2345	83168	25	F4	7031	4	3939.50	6546.50	3840.20	7854.30	A	283	1	0

20	C01	4813	0	12	83167	2350	83168	813	F4	7031	4	3940.89	6547.44	3844.94	7841.56	A	88	6	4
4	S01	1143	22	12	83168	115	83168	141	F4	7032	4	3952.40	6525.10	2859.40	11754.10	A	13	1	0
20	C01	4814	0	3	83168	132	83168	813	F4	7033	4	3951.40	6525.81	3548.77	12841.22	A	0	50	50
1	C01	4834	6	12	83169	1210	83169	1225	F4	7034	4	4346.10	5718.10	4541.40	8036.60	A	273	1	0
20	C01	4834	0	17	83169	1218	83169	1610	F4	7034	4	4343.45	5719.47	4535.83	9101.48	A	97	5	4
4	S01	1164	24	10	83169	1308	83169	1345	F4	7035	4	4345.40	5718.60	5024.20	9155.00	A	55	0	0
1	C01	4835	21	6	83169	1358	83169	1432	F4	7036	4	4351.40	5705.10	4917.00	13840.60	A	37	3	0
4	C01	4835	22	5	83169	1358	83169	1427	F4	7036	4	4351.90	5704.80	4912.30	13837.90	A	34	1	0
20	C01	4835	0	10	83169	1403	83169	1610	F4	7036	4	4350.03	5707.12	4912.39	13846.63	A	47	6	5
4	S01	1165	12	5	83169	1446	83169	1511	F4	7037	4	4357.50	5706.10	5900.90	14202.20	A	40	5	1
1	C02	1176	9	8	83169	1745	83169	1801	F4	7038	4	4420.30	5611.60	4554.20	7456.20	A	84	0	0
4	C02	1176	10	8	83169	1745	83169	1806	F4	7038	4	4420.00	5611.60	4552.80	7457.30	A	89	0	0
1	C02	1177	23	8	83169	1932	83169	2006	F4	7039	4	4429.40	5542.60	5017.60	13243.60	A	3	3	1
4	C02	1177	25	8	83169	1932	83169	2001	F4	7039	4	4429.80	5542.80	4956.40	13249.50	A	16	2	0
20	C01	4838	0	3	83169	1937	83170	550	F4	7040	4	4952.35	3151.08	4408.16	5620.19	B	295	50	50
20	C01	4839	0	11	83169	2130	83170	550	F4	7041	4	4441.21	5518.00	4655.24	2615.90	A	66	4	4
4	S01	1170	8	13	83169	2251	83169	2307	F4	7042	4	4451.70	5504.00	4327.80	6214.60	A	78	0	0
20	C01	4840	0	15	83169	2307	83170	550	F4	7043	4	4451.50	5500.55	4258.88	7926.78	A	81	5	4
4	S01	1171	18	10	83170	33	83170	56	F4	7044	4	4502.00	5436.40	3355.30	10951.00	A	13	1	0
1	C01	4841	16	8	83170	52	83170	127	F4	7045	4	4502.50	5436.20	4017.70	12826.10	A	21	4	1
20	C01	4841	0	8	83170	56	83170	550	F4	7045	4	4503.17	5435.70	4018.27	12826.67	A	24	10	5
1	C02	1182	8	9	83170	440	83170	457	F4	7046	4	4526.60	5341.80	4354.70	7311.70	A	277	0	0
4	C02	1182	7	10	83170	440	83170	501	F4	7046	4	4524.80	5341.30	4345.80	7329.00	A	293	1	0
1	C01	4847	1	4	83170	1100	83170	1103	F4	7047	4	4613.30	5259.00	4607.70	5156.70	B	276	13	0
20	C01	4847	0	13	83170	1106	83170	1836	F4	7047	4	4611.71	5327.29	4611.72	5327.37	A	96	34	5
4	S01	1177	2	7	83170	1106	83170	1110	F4	7048	4	4603.70	5214.20	4313.00	3720.40	A	79	0	0
4	S01	1178	14	13	83170	1245	83170	1308	F4	7049	4	4622.80	5215.20	5218.90	8411.20	A	331	0	0
1	C01	4848	14	7	83170	1247	83170	1309	F4	7050	4	4627.60	5206.40	5055.90	10817.30	A	16	2	1
20	C01	4848	0	13	83170	1253	83170	1836	F4	7050	4	4625.17	5208.46	5041.12	10816.73	A	55	5	4
4	S01	1179	21	7	83170	1424	83170	1452	F4	7051	4	4640.20	5214.10	6046.40	13349.60	A	19	5	1
4	C02	1189	3	6	83170	1629	83170	1635	F4	7052	4	4710.70	5205.70	4621.40	4308.60	A	277	1	0
1	C02	1190	12	12	83170	1815	83170	1833	F4	7053	4	4730.40	5154.40	5134.70	9712.20	A	321	1	0
4	C02	1190	12	11	83170	1815	83170	1834	F4	7053	4	4730.30	5154.60	5134.30	9713.10	A	323	1	0
1	C02	1191	14	4	83170	2003	83170	2023	F4	7054	4	5450.00	15650.90	4745.20	5200.20	B	323	7	0
4	C02	1191	11	4	83170	2003	83170	2016	F4	7054	4	5450.10	15651.50	4745.10	5200.02	B	44	12	1
20	C01	4852	0	10	83170	2015	83170	2019	F4	7055	4	4752.17	5152.45	5203.24	243.55	A	113	4	3
20	C01	4852	0	6	83170	2015	83171	626	F4	7055	4	4746.78	5155.67	5233.71	217.26	A	25	40	14
20	C01	4852	0	6	83170	2015	83170	2020	F4	7055	4	4751.19	5153.72	5216.86	238.37	A	5	0	0
20	C01	4853	0	6	83170	2204	83171	626	F4	7056	4	4813.32	5203.87	4811.91	5219.66	A	79	50	21
4	S01	1184	2	11	83170	2231	83170	2241	F4	7057	4	4823.50	5149.40	4717.70	5732.00	A	78	0	0
20	C01	4854	0	13	83170	2348	83171	626	F4	7058	4	4836.81	5152.23	4448.42	10224.46	A	63	5	5
20	C01	4855	0	5	83171	141	83171	148	F4	7059	4	4856.88	5139.09	5420.94	1400.44	A	22	0	0
4	C02	1195	5	9	83171	322	83171	333	F4	7060	4	4916.50	5134.10	5007.10	4229.00	A	77	1	0
4	C02	1196	6	11	83171	507	83171	529	F4	7061	4	4936.60	5141.60	4618.00	9238.40	A	47	0	0
20	C01	4860	0	4	83171	953	83171	957	F4	7062	4	5025.28	5132.28	4740.08	2136.66	A	71	16	12
1	C01	4876	17	4	83172	1402	83172	1420	F4	7063	4	5442.20	5047.70	6326.90	15441.80	A	0	4	0
20	C02	1217	0	5	83172	1404	83172	1405	F4	7064	2	5444.00	5059.59	4903.58	2201.33	A	15	1	0
4	C02	1219	13	12	83172	1729	83172	1747	F4	7065	2	5530.00	5036.60	5805.00	7603.00	A	306	1	0
1	C02	1219	10	10	83172	1729	83172	1742	F4	7065	4	5530.80	5037.50	5806.80	7546.50	A	301	0	0
1	C02	1218	16	7	83172	1916	83172	1936	F4	7066	4	5548.20	5028.90	6334.20	13416.30	A	347	2	0
20	C01	4879	0	12	83172	1940	83173	550	F4	7067	2	5550.70	5031.21	6104.13	859.72	A	95	5	5
20	S01	1211	0	3	83172	2010	83172	2011	F4	7068	2	6454.03	212.00	5557.79	5036.49	B	00	50	50
20	S01	1211	0	4	83172	2010	83172	2012	F4	7068	2	5557.51	5037.66	6453.93	215.78	A	43	0	0
4	C01	4880	3	7	83172	2119	83172	2134	F4	7070	2	5612.50	5006.50	5627.20	4745.00	A	78	3	0
20	C01	4880	0	12	83172	2127	83173	550	F4	7070	2	5615.65	4959.23	5628.89	4742.59	A	78	18	4
20	C01	4881	0	13	83172	2306	83173	550	F4	7071	2	5633.87	5037.42	5237.62	9655.13	A	75	5	4
4	S01	1213	11	12	83172	2330	83172	2345	F4	7072	2	5641.40	5026.80	4906.10	9157.20	A	332	2	1
20	C01	4882	0	7	83173	52	83173	550	F4	7073	2	5658.07	5028.34	5009.03	14259.93	A	40	11	7
4	S01	1214	13	5	83173	113	83173	126	F4	7074	2	5703.20	5022.30	6145.00	13700.70	A	354	7	0
20	C02	1224	0	5	83173	235	83173	239	F4	7075	2	5711.60	5021.22	5913.31	3112.35	A	65	0	0
4	C02	1225	6	8	83173	417	83173	439	F4	7076	2	5726.70	5023.00	5425.40	8109.80	A	306	1	0
1	C02	1225	5	7	83173	417	83173	437	F4	7076	4	5727.70	5022.70	5423.00	8115.20	A	304	2	0
1	C02	1226	12	6	83173	600	83173	636	F4	7077	2	5742.40	5017.50	5056.90	12749.80	A	12	5	0
4	C02	1226	9	7	83173	600	83173	625	F4	7077	2	5743.30	5020.59	5105.10	12745.20	A	340	4	1
20	C01	4887	0	9	83173	921	83173	922	F4	7078	2	5828.02	5014.79	5432.04	924.72	A	74	3	3
20	C01	4887	0	8	83173	922	83173	923	F4	7078	2	5828.02	5013.02	5431.05	948.33	A	81	0	0

20 C01	4887	0	8	83173	923	83173	1649 F4	7078	2	5827.26	5013.91	5444.20	902.90	A	107	4	4
1 C01	4888	6	4	83173	1103	83173	1110 F4	7079	2	5852.10	4959.40	5944.60	5806.10	A	282	1	0
4 C01	4888	8	7	83173	1103	83173	1114 F4	7079	2	5851.10	4955.20	5945.10	5818.90	A	290	1	0
20 C01	4888	0	13	83173	1111	83173	1649 F4	7079	2	5847.51	4951.94	5941.72	5850.59	A	107	10	5
1 C01	4889	13	8	83173	1250	83173	1311 F4	7080	2	5913.50	4955.90	6548.50	5013343.00	A	321	1	0
20 C01	4889	0	15	83173	1258	83173	1649 F4	7080	2	5910.85	4958.81	6513.07	11500.24	A	93	4	4
4 S01	1221	18	7	83173	1317	83173	1357 F4	7081	2	5915.00	5007.10	6600.80	8943.90	A	315	1	0
20 C02	1231	0	6	83173	1432	83173	1433 F4	7082	2	5930.97	5003.85	5422.89	736.39	A	17	0	0
20 C01	4890	0	12	83173	1446	83173	1649 F4	7083	2	5933.56	4955.47	6913.79	17920.73	A	85	5	4
4 S01	1222	8	4	83173	1456	83173	1519 F4	7084	2	7338.70	14152.60	5937.00	5002.00	B	328	20	1
20 C01	5000	0	15	83181	1558	83181	1613 F4	7085	4	7313.96	5738.40	8242.81	14746.62	A	2	9	8
20 C01	5000	0	13	83181	1558	83181	1613 F4	7085	4	7327.26	5800.50	8938.44	17944.83	A	358	4	4
20 S01	1338	0	4	83181	1838	83181	1839 F4	7086	0	8409.68	1115.90	7342.73	5824.45	B	52	15	0
20 S01	1338	0	4	83181	1837	83181	1838 F4	7086	4	8409.43	1117.29	7349.97	5833.20	B	101	50	50
20 C01	5002	0	18	83181	1925	83182	402 F4	7087	4	7359.90	5757.30	7511.11	4912.30	A	61	9	5
20 C01	5003	0	14	83181	2111	83182	402 F4	7088	4	7416.32	5846.89	7047.20	8840.74	A	79	6	4
20 C01	5004	0	18	83181	2305	83182	402 F4	7089	4	7425.26	5840.00	6709.11	112947.25	A	96	7	6
20 C01	5005	0	5	83182	45	83182	402 F4	7090	4	7426.77	5859.89	6439.10	1017046.48	A	86	37	27
1 S01	2707	0	0	0	0	0	0 F4	7100	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6318	5	11	83278	153	83278	213 F4	7102	8	2917.60	8750.80	3127.30	12046.00	A	332	0	0
1 C02	2666	0	1	83278	614	83278	624 F4	7106	8	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2667	6	13	83278	800	83278	819 F4	7108	8	2814.90	8727.50	3045.50	13230.60	A	29	0	0
1 C01	6323	6	10	83278	1115	83278	1128 F4	7110	8	2740.30	8714.10	2917.00	5737.50	A	77	0	0
1 S01	2713	0	0	0	0	0	0 F4	7112	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6324	9	11	83278	1301	83278	1317 F4	7114	8	2721.20	8657.70	2555.70	11050.50	B	2	0	0
1 S01	2714	0	0	0	0	0	0 F4	7116	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2672	14	9	83278	1719	83278	1737 F4	7118	7	2637.50	8647.00	2742.60	6740.30	A	283	0	0
1 C02	2673	12	9	83278	1904	83278	1907 F4	7120	7	2619.40	8636.60	2435.00	11946.60	A	50	1	0
1 C01	6330	8	7	83278	2256	83278	2313 F4	7122	7	2542.00	8701.10	2323.50	3802.40	A	311	5	1
1 S01	2720	0	0	0	0	0	0 F4	7124	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6331	13	14	83279	41	83279	111 F4	7126	7	2534.10	8712.20	2542.20	8931.50	A	273	3	0
1 S01	2721	0	0	0	0	0	0 F4	7128	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6332	9	4	83279	228	83279	230 F4	7130	7	2533.60	8713.80	2827.10	1014404.50	A	9	4	0
1 C02	2679	6	7	83279	502	83279	516 F4	7132	7	2506.60	8658.30	2308.70	4530.70	A	313	0	0
1 C02	2680	12	16	83279	641	83279	709 F4	7134	7	2449.20	8653.60	2523.70	9723.70	A	88	0	0
1 C02	2681	4	8	83279	828	83279	843 F4	7136	7	2431.40	8643.60	2724.90	15223.90	A	35	2	0
1 C01	6336	3	5	83279	1004	83279	1007 F4	7138	7	2414.90	8631.80	2651.20	2451.00	A	303	0	0
1 C01	6337	12	5	83279	1151	83279	1209 F4	7140	7	2358.90	8625.10	2422.10	7929.10	A	292	1	0
1 S01	2727	0	0	0	0	0	0 F4	7142	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6338	0	0	0	0	0	0 F4	7144	0	0.00	0.00	0.00	0.00	C	0	0	0
1 S01	2728	0	0	0	0	0	0 F4	7146	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2685	5	7	83279	1602	83279	1608 F4	7148	8	2323.90	8604.00	2547.70	3150.70	A	295	12	2
1 C02	2686	16	8	83279	1748	83279	1811 F4	7150	8	2306.20	8630.20	2310.00	8507.40	A	86	2	0
1 C02	2687	6	5	83279	1933	83279	1940 F4	7152	8	2256.40	8545.90	2039.80	13715.40	A	45	4	1
1 S01	2734	0	0	0	0	0	0 F4	7154	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6344	8	10	83279	2330	83279	2351 F4	7156	8	2225.90	8531.60	2109.10	5951.60	A	280	4	1
1 S01	2735	0	0	0	0	0	0 F4	7158	0	0.00	0.00	0.00	0.00	C	0	0	0
1 S01	2741	0	0	0	0	0	0 F4	7160	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6345	4	12	83280	116	83280	135 F4	7160	8	2207.70	8523.00	2336.30	11307.30	A	50	0	0
1 C02	2693	6	10	83280	523	83280	547 F4	7162	8	2128.40	8454.30	2027.80	6458.00	A	289	0	0
1 C02	2694	3	12	83280	716	83280	728 F4	7164	8	2113.10	8432.30	2252.10	11822.60	A	55	0	0
1 C01	6350	5	7	83280	1041	83280	1049 F4	7166	8	2055.20	8349.70	2232.40	4934.30	A	276	1	0
1 C01	6351	8	11	83280	1227	83280	1238 F4	7170	8	2048.90	8324.30	1949.70	10255.30	A	71	0	0
1 S01	2742	11	10	83280	1329	83280	1340 F4	7172	8	2043.20	8309.50	2125.30	8617.10	A	279	1	0
1 S01	2743	15	7	83280	1508	83280	1522 F4	7174	8	2038.50	8247.80	3152.10	13435.40	A	40	1	0
1 C02	2699	10	8	83280	1632	83280	1645 F4	7176	7	2028.60	8230.80	2152.60	5346.50	A	272	3	0
1 C02	2700	12	13	83280	1818	83280	1836 F4	7178	7	2019.70	8205.90	1907.00	10634.90	A	68	0	0
1 C01	6357	0	0	0	0	0	0 F4	7180	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6358	7	10	83281	4	83281	30 F4	7182	7	1950.10	8116.10	2002.60	8512.20	A	271	4	0
1 S01	2749	8	10	83281	37	83281	44 F4	7184	7	1948.40	8104.60	2044.10	7655.20	A	76	3	0
1 C01	6359	0	1	83281	149	83281	159 F4	7186	7	0.00	0.00	0.00	0.00	C	0	0	0
1 S01	2750	6	7	83281	217	83281	239 F4	7188	7	931.60	12509.00	1941.50	8042.40	B	49	7	1
1 C02	2706	0	0	0	0	0	0 F4	7190	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2707	9	10	83281	551	83281	600 F4	7192	7	1925.50	7957.20	1949.20	8740.60	A	78	0	0
1 C01	6363	0	0	0	0	0	0 F4	7194	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6364	6	5	83281	1117	83281	1128 F4	7196	7	1908.70	7956.30	1919.40	7531.60	A	88	2	0

1 S01	2755	0	0	0	0	0	0	F4	7198	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6365	6	5	83281	1302	83281	1311	F4	7200	7	1905.40	7831.50	1700.00	12740.90	A	35	1	0
1 S01	2756	0	0	0	0	0	0	F4	7202	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2712	0	0	0	0	0	0	F4	7204	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2713	9	11	83281	1701	83281	1717	F4	7206	8	1841.40	7740.70	1845.90	7612.30	A	87	7	0
1 C02	2741	18	9	83283	1758	83283	1822	F4	7208	7	1818.40	7621.10	1642.50	11218.40	A	65	4	1
1 C01	6399	1	6	83283	2217	83283	2232	F4	7210	7	1736.90	7614.10	1615.80	4742.50	A	79	2	0
1 S01	2791	0	0	0	0	0	0	F4	7212	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6399	15	10	83284	3	83284	37	F4	7214	7	1716.30	7623.30	1826.80	10037.10	A	76	1	0
1 S01	2792	0	2	83284	111	83284	120	F4	7216	7	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2747	0	0	0	0	0	0	F4	7218	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2748	3	9	83284	531	83284	551	F4	7220	7	1736.50	7551.50	1824.90	9221.40	A	68	99	99
1 C01	6404	0	1	83284	931	83284	931	F4	7222	7	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6405	3	6	83284	1118	83284	1122	F4	7224	7	1516.30	7723.20	1448.50	8642.40	A	84	1	0
0 S01	2798	0	0	0	0	0	0	F4	7226	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6406	0	0	0	0	0	0	F4	7228	0	0.00	0.00	0.00	0.00	C	0	0	0
1 S01	2799	13	12	83284	1342	83284	1357	F4	7230	7	1444.70	7735.90	1957.80	10038.00	A	84	0	0
1 C02	2753	0	11	83284	1457	83284	1508	F4	7232	8	1432.80	7749.50	1648.50	229.00	A	0	0	0
1 C02	2754	0	0	0	0	0	0	F4	7234	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2755	7	8	83284	1828	83284	1835	F4	7236	8	1356.60	7757.40	1202.90	12738.80	A	50	4	0
1 C01	6412	24	4	83284	2251	83284	2335	F4	7238	8	1256.30	7822.30	1222.40	6659.00	A	80	0	0
1 S01	2805	0	0	0	0	0	0	F4	7240	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6413	0	3	83285	35	83285	45	F4	7242	8	0.00	0.00	0.00	0.00	C	0	0	0
1 S01	2806	0	0	0	0	0	0	F4	7244	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2761	6	4	83285	412	83285	433	F4	7246	8	1146.00	7900.10	1036.50	5437.70	A	69	0	0
1 C02	2762	6	8	83285	558	83285	624	F4	7248	8	1121.70	7909.60	1236.20	10728.90	A	76	1	0
1 C01	6418	0	3	83285	1008	83285	1018	F4	7250	8	0.00	0.00	0.00	0.00	C	0	0	0
1 S01	2812	0	0	0	0	0	0	F4	7252	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6419	4	6	83285	1155	83285	1158	F4	7254	8	955.90	7941.40	849.10	10454.90	A	0	2	0
1 C01	6439	9	5	83286	2214	83286	2239	F4	7256	8	522.10	5349.50	642.90	8049.40	B	64	14	0
1 C01	6440	0	0	0	0	0	0	F4	7258	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2788	0	12	83287	323	83287	333	F4	7260	8	704.40	8150.20	515.10	3535.20	A	0	0	0
1 C02	2789	9	0	83287	517	83287	539	F4	7262	8	2030.10	15500.00	1327.00	1932.10	B	270	0	0
1 C02	2790	0	4	83287	655	83287	705	F4	7264	8	735.30	8226.60	940.90	14027.80	A	0	0	0
1 C01	6445	0	0	0	0	0	0	F4	7266	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6446	5	5	83287	1121	83287	1125	F4	7268	8	103.20	10756.30	306.90	6625.30	B	281	99	99
1 C01	6447	0	7	83287	1304	83287	1314	F4	7270	8	822.00	8339.90	617.50	1421.00	A	0	0	0
1 C02	2795	6	6	83287	1624	83287	1631	F4	7272	7	859.40	8408.70	941.10	6930.10	A	82	3	0
1 C02	2796	13	6	83287	1810	83287	1823	F4	7274	7	908.60	8426.90	739.90	12141.30	A	81	4	0
1 C01	6453	5	6	83287	2250	83287	2316	F4	7276	7	840.50	7109.70	919.10	8440.60	B	272	5	0
1 C01	6454	6	4	83288	35	83288	104	F4	7280	7	905.00	8435.20	1043.00	12427.10	A	63	11	1
A C02	2802	4	28	83288	352	83288	410	F4	7282	7	823.80	8432.30	658.50	4953.10	A	83	16	1
1 C02	2803	6	5	83288	537	83288	604	F4	7284	7	805.40	8418.00	856.60	10252.70	A	272	3	0
1 C01	2808	0	8	83288	1510	83288	1520	F4	7286	7	712.10	8408.60	827.40	5709.80	A	0	0	0
1 C01	6460	7	5	83288	1155	83288	1202	F4	7288	7	646.50	8358.30	538.10	11027.10	A	278	11	1
1 C02	2809	0	2	83288	1655	83288	1710	F4	7292	8	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2810	0	5	83288	1839	83288	1849	F4	7294	8	323.40	13933.40	524.60	8332.80	B	0	0	0
1 C01	6466	0	16	83288	2137	83288	2147	F4	7296	8	443.00	8320.60	301.70	4121.40	A	0	0	0
1 C01	6467	0	10	83288	2323	83288	2335	F4	7298	8	417.90	8323.40	447.90	9359.50	A	0	0	0
1 C02	2816	0	13	83289	419	83289	429	F4	7300	8	314.70	8315.40	234.80	6931.90	A	0	0	0
1 C02	2817	0	9	83289	604	83289	614	F4	7302	8	249.60	8321.00	427.50	12209.90	A	0	0	0
1 C01	6472	0	0	0	0	0	0	F4	7304	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6473	0	0	0	0	0	0	F4	7306	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6474	0	0	0	0	0	0	F4	7308	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2822	0	0	0	0	0	0	F4	7310	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2823	0	0	0	0	0	0	F4	7312	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6480	0	10	83289	2211	83289	2222	F4	7314	7	-36.90	8241.30	-130.90	6317.60	A	0	0	0
1 C01	6481	0	10	83289	2356	83290	15	F4	7316	7	-102.50	8240.30	-22.50	11608.90	A	0	0	0
1 C02	2829	0	12	83290	301	83290	311	F4	7318	7	-138.60	8228.50	-328.40	3538.30	A	0	0	0
1 C02	2830	0	10	83290	445	83285	455	F4	7320	7	-144.10	8823.40	-201.50	8230.90	B	0	0	0
1 C01	6486	0	8	83290	936	83290	946	F4	7322	7	-301.00	8214.90	-135.70	4725.10	A	0	0	0
1 C01	6487	0	13	83290	1123	83290	1133	F4	7324	7	-321.90	8203.60	-411.30	10023.00	A	0	0	0
1 C02	2836	0	14	83290	1609	83290	1619	F4	7326	8	-418.80	8150.80	-348.30	7049.40	A	0	0	0
1 C02	2837	0	1	83290	1755	83290	1805	F4	7328	8	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6493	0	9	83290	2059	83290	2110	F4	7330	8	-515.50	8132.30	-710.80	3238.10	A	0	0	0
1 C01	6494	0	1	83290	2244	83290	2254	F4	7332	8	0.00	0.00	0.00	0.00	C	0	0	0

1 C01	6495	0	7	83291	31	83291	41 F4	7334	8	-355.5013823.00	-558.60	8131.40	B	0	0	0	
1 C02	2843	0	12	83291	327	83291	337 F4	7336	8	-638.70	8113.60	-749.60	5457.70	A	0	0	0
1 C02	2844	0	11	83291	513	83291	523 F4	7338	8	-701.00	8111.30	-549.8010742.90	A	0	0	0	
1 C01	6500	0	2	83291	1012	83291	1022 F4	7340	8	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6501	0	0	0	0	0	0 F4	7342	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2849	0	13	83291	1453	83291	1503 F4	7344	8	-842.50	7959.40	-700.30	3739.70	A	0	0	0
1 C02	2850	0	0	0	0	0	0 F4	7346	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7050	0	0	0	0	0	0 F4	7346	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6507	0	0	0	0	0	0 F4	7348	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6508	0	0	0	0	0	0 F4	7350	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2855	0	7	83292	209	83292	219 F4	7352	7	-1035.10	7829.60-1245.10	2228.50	A	0	0	0	
1 C01	6548	0	10	83294	2132	83294	2142 F4	7354	8	-1409.60	6825.00-1342.40	7747.00	B	0	0	0	
1 C01	6549	0	14	83294	2317	83294	2327 F4	7356	8	-1342.80	7704.40-1148.3012128.90	A	0	0	0		
1 C02	2897	0	6	83295	148	83295	158 F4	7358	8	-1412.20	7647.70-1629.90	2448.80	A	0	0	0	
1 C02	2898	0	12	83295	334	83295	344 F4	7360	8	-1431.50	7811.00-1435.30	7659.10	B	0	0	0	
1 C02	2898	0	9	83295	518	83295	528 F4	7362	8	-1457.90	7642.20-1246.2013008.80	A	0	0	0		
1 C01	6554	0	17	83295	905	83295	915 F4	7364	8	-1549.70	7628.80-1438.10	5124.10	A	0	0	0	
1 C01	6555	0	0	0	0	0	0 F4	7366	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2904	0	15	83295	1504	83295	1514 F4	7368	7	-1711.30	7608.80-1618.90	5830.60	A	0	0	0	
1 C02	2905	0	19	83295	1650	83295	1700 F4	7370	7	-1735.80	7553.60-1918.4011143.80	A	0	0	0		
1 C01	6561	0	15	83295	2019	83295	2029 F4	7372	7	-1819.30	7540.50-2012.90	3840.80	A	0	0	0	
1 C01	6562	0	0	0	0	0	0 F4	7374	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2911	0	15	83296	215	83296	225 F4	7376	7	-1940.30	7518.90-2115.20	4455.70	A	0	0	0	
1 C02	2912	0	14	83296	400	83296	410 F4	7378	7	-2003.10	7516.50-1851.20	9756.60	A	0	0	0	
1 C01	6567	0	10	83296	757	83296	807 F4	7380	7	-2056.10	7501.90-1832.90	2124.80	A	0	0	0	
1 C01	6568	0	12	83296	942	83296	842 F4	7382	7	-2109.50	7247.50-2117.60	7505.30	B	0	0	0	
1 C01	6569	0	13	83296	1128	83296	1138 F4	7384	7	-2135.90	7437.10-2411.3012728.50	A	0	0	0		
1 C02	2917	0	0	0	0	0	0 F4	7386	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2918	0	0	0	0	0	0 F4	7388	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2919	0	0	0	0	0	0 F4	7390	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6575	0	10	83296	2053	83296	2103 F4	7392	8	-2349.50	7414.30-2434.00	6224.00	A	0	0	0	
1 C01	6576	0	17	83296	2239	83296	2249 F4	7394	8	-2412.40	7415.80-2206.2011415.40	A	0	0	0		
1 C02	2925	0	13	83297	242	83297	252 F4	7396	8	-2508.40	7357.10-2540.20	6513.70	A	0	0	0	
1 C02	2925	0	17	83297	427	83297	437 F4	7398	8	-2532.40	7556.10-2317.8011638.40	A	0	0	0		
1 C01	6581	0	0	0	0	0	0 F4	7400	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6582	0	0	0	0	0	0 F4	7402	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2931	0	19	83297	1419	83297	1429 F4	7404	8	-2737.50	7322.60-2555.80	4313.10	A	0	0	0	
1 C02	2932	0	18	83297	1605	83297	1615 F4	7406	8	-2758.40	7311.80-2916.60	9531.20	A	0	0	0	
1 C01	6587	0	14	83297	1941	83297	1951 F4	7408	7	-2848.60	7257.80-3114.20	3122.10	A	0	0	0	
1 C01	6589	0	15	83297	2127	83297	2137 F4	7410	7	-2914.30	7256.70-2829.50	8517.90	A	0	0	0	
1 C01	6589	0	4	83297	2311	83297	2321 F4	7412	7	-2618.0013556.70-2936.40	7252.50	B	0	0	0		
1 C02	2937	0	14	83298	124	83298	134 F4	7414	7	-3006.70	7232.80-3234.90	3109.50	A	0	0	0	
1 C02	2987	0	0	0	0	0	0 F4	7416	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6641	0	13	83301	1828	83301	1838 F4	7418	7	-3319.80	7200.70-3655.90	949.50	A	0	0	0	
1 C01	6642	0	14	83301	2015	83301	2025 F4	7420	7	-3331.30	7210.40-3400.00	6511.10	A	0	0	0	
1 C01	6643	0	0	0	0	0	0 F4	7422	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	2991	0	7	83301	2344	83301	2354 F4	7424	7	-3825.30	532.20-3416.20	7239.60	B	0	0	0	
1 C02	2992	0	12	83302	132	83302	142 F4	7426	7	-3431.00	7254.70-3604.10	5045.00	A	0	0	0	
1 C02	2993	0	15	83302	317	83302	327 F4	7428	7	-3450.70	7312.40-3259.10101213.50	A	0	0	0		
1 C01	6649	0	0	0	0	0	0 F4	7430	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6650	0	15	83302	936	83302	946 F4	7432	7	-3604.50	7355.20-3726.10	9151.10	A	0	0	0	
1 C01	6651	0	11	83302	1133	83302	1143 F4	7434	8	-3627.50	7408.90-4042.2014806.80	A	0	0	0		
1 C02	2999	0	11	83302	1315	83302	1325 F4	7436	8	-3646.40	7425.30-3356.00	2441.80	A	0	0	0	
1 C02	3000	0	0	0	0	0	0 F4	7438	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3001	0	18	83302	1646	83302	1656 F4	7440	8	-3734.10	7442.20-4109.7012956.20	A	0	0	0		
1 C01	6655	0	12	83302	1902	83302	1912 F4	7442	8	-3804.50	7452.80-4128.50	3019.70	A	0	0	0	
1 C01	6656	0	15	83302	2048	83302	2058 F4	7444	8	-3827.70	7504.80-3746.20	8419.40	A	0	0	0	
1 C01	6657	0	13	83302	2233	83302	2243 F4	7446	8	-3852.50	7511.50-3513.2013403.60	A	0	0	0		
1 C02	3005	0	16	83303	12	83303	22 F4	7448	8	-3914.40	7511.20-4324.50	1133.20	A	0	0	0	
1 C02	3006	0	15	83303	159	83303	210 F4	7450	8	-3938.70	7519.00-4015.40	6724.20	A	0	0	0	
1 C02	3007	0	15	83303	343	83303	353 F4	7452	8	-4001.20	7530.80-3701.6011750.70	A	0	0	0		
1 C01	6662	0	11	83303	652	83303	702 F4	7454	8	-4044.30	7539.90-3637.40	811.90	A	0	0	0	
1 C01	6663	0	0	0	0	0	0 F4	7456	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6664	0	20	83303	1023	83303	1033 F4	7458	8	-4133.60	7541.20-4409.1011044.10	A	0	0	0		
1 C01	6665	0	9	83303	1211	83303	1221 F4	7460	8	-4159.00	7546.30-4734.1016838.60	A	0	0	0		
1 C02	3013	0	19	83303	1344	83303	1354 F4	7462	7	-4218.80	7559.30-3939.50	3914.10	A	0	0	0	

1 C02	3014	0	0	0	0	0	0	F4	7464	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3015	0	16	83303	1717	83303	1727	F4	7466	7	-4309.10	7555.50-4752.70	14635.90	A	0	0	0	
1 C01	6668	0	8	83303	1748	83303	1758	F4	7468	7	-4314.80	7554.90-4851.10	501.70	A	0	0	0	
1 C01	6669	0	16	83303	1936	83303	1946	F4	7470	7	-4343.30	7555.40-4533.30	5232.20	A	0	0	0	
1 C01	6670	0	20	83303	2122	83303	2132	F4	7472	7	-4406.80	7610.40-4157.70	10430.30	A	0	0	0	
1 C02	3019	0	18	83304	39	83304	49	F4	7474	7	-4452.20	7552.30-4821.00	3130.70	A	0	0	0	
1 C02	3020	0	17	83304	225	83304	235	F4	7476	7	-4517.00	7556.90-4427.10	8552.90	A	0	0	0	
1 C02	3021	0	15	83304	410	83304	420	F4	7478	7	-4542.80	7555.70-4134.20	13452.80	A	0	0	0	
1 C01	6676	0	17	83304	728	83304	738	F4	7480	7	-4625.90	7605.10-4243.30	2607.40	A	0	0	0	
1 C01	6677	0	0	0	0	0	0	F4	7482	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6678	0	20	83304	1100	83304	1110	F4	7484	7	-4704.20	7525.10-5123.70	13152.90	A	0	0	0	
1 C02	3026	0	13	83304	1230	83304	1240	F4	7486	7	-4723.60	7511.00-4238.20	642.90	A	0	0	0	
1 C02	3027	0	0	0	0	0	0	F4	7488	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3028	0	0	0	0	0	0	F4	7490	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6682	0	18	83304	1823	83304	1833	F4	7494	8	-4841.50	7420.90-5254.90	2209.80	A	0	0	0	
1 C01	6683	0	16	83304	2010	83304	2020	F4	7496	8	-4859.30	7452.70-4852.70	7611.70	A	0	0	0	
1 C01	6684	0	0	0	0	0	0	F4	7498	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3032	0	0	0	0	0	0	F4	7500	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3033	0	0	0	0	0	0	F4	7502	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3089	0	14	83309	259	83309	310	F4	7504	7	-5229.80	6836.90-4757.20	12719.40	A	0	0	0	
1 C01	6743	0	8	83309	510	83309	520	F4	7506	7	-5242.60	6749.10-4645.00	1709.70	A	0	0	0	
1 C01	6744	0	20	83309	653	83309	703	F4	7508	7	-5253.90	6719.30-4946.60	3042.60	A	0	0	0	
1 C01	6745	0	20	83309	839	83309	849	F4	7510	7	-5301.50	6641.70-5422.40	8147.10	A	0	0	0	
1 C01	6746	0	0	0	0	0	0	F4	7512	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6748	0	0	0	0	0	0	F4	7514	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3094	0	16	83309	1123	83309	1133	F4	7514	7	-5316.00	6601.00-4803.40	234.60	A	0	0	0	
1 C01	6747	0	9	83309	1217	83309	1227	F4	7516	7	-5318.00	6542.50-6207.20	15641.50	A	0	0	0	
1 C02	3095	0	21	83309	1307	83309	1317	F4	7518	7	-5323.20	6536.00-5133.50	4526.70	A	0	0	0	
1 C01	6748	0	0	0	0	0	0	F4	7520	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3096	0	21	83309	1453	83309	1503	F4	7522	8	-5332.00	6456.40-5633.40	9826.60	A	0	0	0	
1 C01	6749	0	18	83309	1558	83309	1608	F4	7524	8	-5338.60	6437.80-6036.90	2409.00	A	0	0	0	
1 C02	3097	0	0	0	0	0	0	F4	7526	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6750	0	22	83309	1746	83309	1756	F4	7528	8	-5352.30	6356.30-5629.30	3631.00	A	0	0	0	
1 C02	7530	0	6	83309	1831	83309	1841	F4	7530	8	-5355.30	6335.00-6314.70	13630.50	A	0	0	0	
1 C01	6751	0	16	83309	1932	83309	1942	F4	7532	8	-5404.50	6320.50-5148.50	8822.80	A	0	0	0	
1 C02	3099	0	11	83309	2023	83309	2033	F4	7534	8	-5407.30	6301.40-6259.80	6908.00	A	0	0	0	
1 C01	6752	0	12	83309	2117	83309	2127	F4	7536	8	-5416.00	6245.50-4833.00	13634.30	A	0	0	0	
1 C02	3100	0	19	83309	2211	83309	2221	F4	7538	8	-5418.50	6229.60-6007.80	522.70	A	0	0	0	
1 C02	3101	0	22	83309	2357	83310	17	F4	7540	8	-5428.80	6202.60-5525.70	5214.20	A	0	0	0	
1 C02	3116	0	12	83311	210	83311	220	F4	7542	7	-5438.10	5422.30-5103.60	12424.50	A	0	0	0	
1 C01	6770	0	16	83311	435	83311	445	F4	7544	7	-5447.70	5335.90-5109.00	1700.90	A	0	0	0	
1 C01	6771	0	22	83311	619	83311	629	F4	7546	7	-5454.00	5307.60-5447.40	3036.00	A	0	0	0	
1 C01	6772	0	0	0	0	0	0	F4	7548	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6773	0	0	0	0	0	0	F4	7550	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3121	0	0	0	0	0	0	F4	7552	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6774	0	0	0	0	0	0	F4	7554	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3122	0	0	0	0	0	0	F4	7556	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6775	0	0	0	0	0	0	F4	7558	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3123	0	0	0	0	0	0	F4	7560	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6776	0	0	0	0	0	0	F4	7562	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3124	0	0	0	0	0	0	F4	7564	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6777	0	0	0	0	0	0	F4	7566	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3125	0	11	83311	1745	83311	1755	F4	7568	8	-5755.70	4839.20-6816.10	13452.40	A	0	0	0	
1 C01	6778	0	0	0	0	0	0	F4	7570	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3126	0	0	0	0	0	0	F4	7572	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6779	0	0	0	0	0	0	F4	7574	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3127	0	22	83311	2122	83311	2132	F4	7576	8	-5815.00	4722.10-6259.40	304.00	A	0	0	0	
1 C02	3128	0	16	83311	2308	83311	2318	F4	7578	8	-5823.70	4645.60-5752.50	5146.00	A	0	0	0	
1 C02	3129	0	12	83312	53	83312	103	F4	7580	8	-5832.90	4603.00-5346.80	10037.10	A	0	0	0	
1 C01	6782	0	0	0	0	0	0	F4	7582	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6783	0	14	83312	325	83312	335	F4	7584	8	-5851.30	4502.40-5214.40	3905.40	A	0	0	0	
1 C01	6784	0	21	83312	509	83312	519	F4	7586	8	-5900.20	4423.10-5535.90	742.50	A	0	0	0	
1 C01	6785	0	0	0	0	0	0	F4	7588	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3133	0	0	0	0	0	0	F4	7590	0	0.00	0.00	0.00	C	0	0	0	
1 C01	6786	0	0	0	0	0	0	F4	7592	0	0.00	0.00	0.00	C	0	0	0	
1 C02	3134	0	16	83312	921	83312	931	F4	7594	8	-5927.30	4250.90-5315.00	3300.60	A	0	0	0	

1 C01	6787	0	5	83312	1033	83312	1043 F4	7596	8	-5940.20	4235.10-7013.1017849.00	A	0	0	0		
1 C02	3135	0	21	83312	1105	83312	1115 F4	7598	8	-5944.70	4234.90-5656.90	1330.50	A	0	0	0	
1 C01	6788	0	15	83312	1222	83312	1232 F4	7600	8	-5956.70	4211.90-7016.4010624.90	A	0	0	0		
1 C02	3136	0	19	83312	1250	83312	1300 F4	7602	7	-5959.40	4205.00-6210.80	6349.30	A	0	0	0	
1 C01	6789	0	19	83312	1411	83312	1421 F4	7604	7	-6018.40	4151.50-6738.90	3839.30	A	0	0	0	
1 C02	3137	0	21	83312	1437	83312	1447 F4	7606	7	-6020.10	4145.80-6734.7012223.00	A	0	0	0		
1 C01	6790	0	21	83312	1559	83312	1609 F4	7608	7	-6039.30	4128.10-6246.00	2039.80	A	0	0	0	
1 C02	3138	0	14	83312	1734	83312	1744 F4	7610	7	-6043.00	4121.20-7108.1017124.10	A	0	0	0		
1 C01	6791	0	21	83312	1745	83312	1755 F4	7612	7	-6046.50	4120.40-5751.60	7107.30	A	0	0	0	
1 C02	3139	0	14	83312	1816	83312	1826 F4	7614	7	-6046.10	4117.60-7109.50	9917.50	A	0	0	0	
1 C01	6792	0	14	83312	1929	83312	1939 F4	7616	7	-6049.70	4114.20-5429.6011737.10	A	0	0	0		
1 C02	3140	0	19	83312	2004	83312	2014 F4	7618	7	-6047.30	4104.30-6739.10	3225.50	A	0	0	0	
1 C02	3141	0	20	83312	2151	83312	2201 F4	7620	7	-6054.40	4028.90-6224.10	2615.60	A	0	0	0	
1 C02	3142	0	20	83312	2336	83312	2346 F4	7622	7	-6059.80	4011.90-5726.40	7555.40	A	0	0	0	
1 C02	3143	0	14	83313	120	83313	130 F4	7624	7	-6103.20	4009.10-5415.8012105.90	A	0	0	0		
1 C01	6796	0	12	83313	217	83313	227 F4	7626	7	-6103.40	4005.20-5320.00	6342.80	A	0	0	0	
1 C01	6797	0	20	83313	400	83313	410 F4	7628	7	-6101.90	4004.70-5549.20	1813.40	A	0	0	0	
1 C01	6798	0	13	83313	543	83313	553 F4	7630	7	-6100.10	4005:50-5950.00	2821.00	A	0	0	0	
1 C01	6799	0	19	83313	732	83313	742 F4	7632	7	-6100.70	4007.90-6509.90	8143.70	A	0	0	0	
1 C02	3147	0	0	0	0	0	0 F4	7634	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6800	0	17	83313	920	83313	930 F4	7636	7	-6102.80	4008.50-6945.9014340.30	A	0	0	0		
1 C02	3148	0	19	83313	949	83313	959 F4	7638	7	-6102.50	4007.30-5558.30	1624.00	A	0	0	0	
1 C01	6801	0	15	83313	1109	83313	1119 F4	7640	7	-6104.10	4009.50-7154.3014616.70	A	0	0	0		
1 C02	3149	0	22	83313	1134	83313	1144 F4	7642	7	-6103.30	4010.50-6005.20	3039.50	A	0	0	0	
1 C01	6802	0	15	83313	1259	83313	1309 F4	7644	7	-6105.30	4010.40-7043.50	7511.20	A	0	0	0	
1 C02	3150	0	0	0	0	0	0 F4	7646	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6803	0	21	83313	1447	83313	1457 F4	7648	8	-6106.60	3946.40-6606.90	1056.40	A	0	0	0	
1 C02	3151	0	0	0	0	0	0 F4	7650	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6804	0	17	83313	1704	83313	1714 F4	7652	8	-6108.20	3914.50-6038.30	4355.50	A	0	0	0	
1 C02	3152	0	16	83313	1657	83313	1707 F4	7654	8	-6105.10	3920.80-7154.7014313.40	A	0	0	0		
1 C01	6805	0	17	83313	1819	83313	1829 F4	7656	8	-6108.00	3859.40-5613.30	9138.50	A	0	0	0	
1 C02	3153	0	18	83313	1846	83313	1856 F4	7658	8	-6106.90	3856.50-7018.00	7157.00	A	0	0	0	
1 C01	6806	0	7	83313	2003	83313	2013 F4	7660	8	-6107.50	3844.80-5333.5013720.60	A	0	0	0		
1 C02	3154	0	20	83313	2033	83313	2043 F4	7662	8	-6103.90	3840.10-6550.30	744.10	A	0	0	0	
1 C02	3155	0	9	83313	2220	83313	2230 F4	7664	8	-6025.40	4616.50-6116.50	3800.00	A	0	0	0	
1 C02	3156	0	0	0	0	0	0 F4	7666	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3157	0	0	0	0	0	0 F4	7668	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6810	0	0	0	0	0	0 F4	7670	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6811	0	0	0	0	0	0 F4	7672	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6812	0	0	0	0	0	0 F4	7674	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6813	0	0	0	0	0	0 F4	7676	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3161	0	0	0	0	0	0 F4	7678	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6814	0	0	0	0	0	0 F4	7680	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3162	0	0	0	0	0	0 F4	7682	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6815	0	0	0	0	0	0 F4	7684	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3163	0	0	0	0	0	0 F4	7686	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6816	0	19	83314	1336	83314	1346 F4	7688	8	-6030.90	3703.20-6800.30	4449.90	A	0	0	0	
1 C02	3164	0	0	0	0	0	0 F4	7690	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6817	0	6	83314	1523	83314	1533 F4	7692	8	-6057.10	2613.10-6044.80	2607.50	C	0	0	0	
1 C02	3165	0	15	83314	1537	83314	1547 F4	7694	8	-6033.60	3707.10-7032.8017335.30	A	0	0	0		
1 C01	6818	0	18	83314	1709	83314	1719 F4	7696	8	-6032.80	3704.80-5749.50	6428.30	A	0	0	0	
1 C02	3166	0	14	83314	1728	83314	1738 F4	7698	8	-6032.90	3707.10-7103.8011517.90	A	0	0	0		
1 C01	6819	0	14	83314	1854	83314	1904 F4	7700	8	-6033.50	3704.50-5421.8011101.80	A	0	0	0		
1 C02	3167	0	19	83314	1915	83314	1925 F4	7702	8	-6033.80	3703.80-6810.00	4742.40	A	0	0	0	
1 C02	3168	0	23	83314	2102	83314	2112 F4	7704	8	-6033.10	3659.20-6309.20	1204.20	A	0	0	0	
1 C02	3169	0	20	83314	2248	83314	2258 F4	7706	8	-6037.90	3650.50-5800.70	6244.20	A	0	0	0	
1 C02	3170	0	13	83315	32	83315	42 F4	7708	8	-6042.10	3638.80-5433.6010844.50	A	0	0	0		
1 C01	6823	0	9	83315	142	83315	152 F4	7710	8	-5301.80	7123.60-6059.20	3756.50	B	0	0	0	
1 C01	6824	0	19	83315	325	83315	335 F4	7712	8	-6049.10	3656.20-5519.80	2515.60	A	0	0	0	
1 C01	6825	0	22	83315	510	83315	520 F4	7714	8	-6048.30	3655.50-5916.10	2140.20	A	0	0	0	
1 C01	6826	0	19	83315	656	83315	706 F4	7716	8	-6047.80	3657.60-6430.50	7355.40	A	0	0	0	
1 C01	6827	0	0	0	0	0	0 F4	7718	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3175	0	0	0	0	0	0 F4	7720	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6828	0	15	83315	1034	83315	1044 F4	7722	8	-6049.70	3657.60-7136.4015535.60	A	0	0	0		
1 C02	3176	0	0	0	0	0	0 F4	7724	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6829	0	0	0	0	0	0 F4	7726	0	0.00	0.00	0.00	0.00	C	0	0	0

1 C02	3177	0	0	0	0	0	0	F4	7728	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6830	0	0	0	0	0	0	F4	7730	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3178	0	0	0	0	0	0	F4	7732	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6831	0	0	0	0	0	0	F4	7734	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3179	0	0	0	0	0	0	F4	7736	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6832	0	0	0	0	0	0	F4	7738	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3180	0	0	0	0	0	0	F4	7740	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6833	0	0	0	0	0	0	F4	7742	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3181	0	0	0	0	0	0	F4	7744	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3182	0	0	0	0	0	0	F4	7746	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3183	0	0	0	0	0	0	F4	7748	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3184	0	0	0	0	0	0	F4	7750	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6837	0	0	0	0	0	0	F4	7752	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6838	0	0	0	0	0	0	F4	7754	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6839	0	0	0	0	0	0	F4	7756	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6840	0	0	0	0	0	0	F4	7758	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3188	0	0	0	0	0	0	F4	7760	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6841	0	0	0	0	0	0	F4	7762	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3189	0	0	0	0	0	0	F4	7764	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6842	0	0	0	0	0	0	F4	7766	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3190	0	22	83316	1300	83316	1310	F4	7768	8	-6040.90	3624.80-6548.10	8900.70	C	0	0	0	
1 C01	6843	0	18	83316	1300	83316	1310	F4	7770	8	-6040.10	3626.40-6851.70	5658.10	A	0	0	0	
1 C02	3191	0	20	83316	1300	83316	1310	F4	7772	8	-6038.40	3629.10-6551.60	8735.10	A	0	0	0	
1 C01	6844	0	17	83316	1448	83316	1458	F4	7774	8	-6044.80	3631.40-6406.80	419.80	A	0	0	0	
1 C02	3192	0	16	83316	1448	83316	1458	F4	7776	8	-6044.60	3634.90-6957.80	15116.40	A	0	0	0	
1 C01	6845	0	19	83316	1634	83316	1644	F4	7778	8	-6102.50	3650.40-5911.70	5509.90	A	0	0	0	
1 C02	3193	0	16	83316	1637	83316	1647	F4	7780	8	-6104.60	3640.60-7152.70	13804.80	A	0	0	0	
1 C01	6846	0	12	83316	1818	83316	1828	F4	7782	8	-6112.50	3642.90-5533.20	10211.60	A	0	0	0	
1 C02	3194	0	18	83316	1826	83316	1836	F4	7784	8	-6112.40	3643.30-7006.50	6750.10	A	0	0	0	
1 C01	6847	0	6	83316	2003	83316	2013	F4	7786	8	-6110.80	3641.00-5308.70	14722.50	A	0	0	0	
1 C02	3195	0	19	83316	2013	83316	2023	F4	7788	8	-6111.60	3640.70-6530.90	456.20	A	0	0	0	
1 C02	3196	0	19	83316	2200	83316	2210	F4	7790	8	-6110.10	3638.10-6003.10	4720.90	A	0	0	0	
1 C02	3197	0	19	83316	2343	83316	2353	F4	7792	8	-6110.70	3640.00-5559.40	9351.20	A	0	0	0	
1 C0	6864	0	0	0	0	0	0	F4	7794	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3212	0	0	0	0	0	0	F4	7796	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6865	0	0	0	0	0	0	F4	7798	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6866	0	0	0	0	0	0	F4	7800	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6867	0	0	0	0	0	0	F4	7802	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3215	0	0	0	0	0	0	F4	7804	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6868	0	0	0	0	0	0	F4	7806	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3216	0	0	0	0	0	0	F4	7808	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3217	0	0	0	0	0	0	F4	7810	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6869	0	0	0	0	0	0	F4	7812	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3218	0	0	0	0	0	0	F4	7814	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6870	0	0	0	0	0	0	F4	7816	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3219	0	0	0	0	0	0	F4	7818	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6871	0	0	0	0	0	0	F4	7820	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3220	0	0	0	0	0	0	F4	7822	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6872	0	0	0	0	0	0	F4	7824	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3221	0	0	0	0	0	0	F4	7826	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6873	0	0	0	0	0	0	F4	7828	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6874	0	0	0	0	0	0	F4	7830	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3222	0	0	0	0	0	0	F4	7832	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3223	0	0	0	0	0	0	F4	7834	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3224	0	0	0	0	0	0	F4	7836	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3225	0	0	0	0	0	0	F4	7838	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6878	0	0	0	0	0	0	F4	7840	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6879	0	0	0	0	0	0	F4	7842	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6880	0	0	0	0	0	0	F4	7844	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3229	0	0	0	0	0	0	F4	7846	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6881	0	0	0	0	0	0	F4	7848	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3230	0	0	0	0	0	0	F4	7850	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6882	0	0	0	0	0	0	F4	7852	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3231	0	0	0	0	0	0	F4	7854	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6883	0	0	0	0	0	0	F4	7856	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3232	0	0	0	0	0	0	F4	7858	0	0.00	0.00	0.00	0.00	C	0	0	0

1 C01	6884	0	0	0	0	0	0	F4	7860	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3233	0	0	0	0	0	0	F4	7862	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6885	0	0	0	0	0	0	F4	7864	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3234	0	0	0	0	0	0	F4	7866	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6886	0	0	0	0	0	0	F4	7868	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3235	0	0	0	0	0	0	F4	7870	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6887	0	0	0	0	0	0	F4	7872	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3236	0	0	0	0	0	0	F4	7874	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6888	0	0	0	0	0	0	F4	7876	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3237	0	21	83319	2140	83319	2150	F4	7878	7	-6210.30	3637.60-6055.20	4830.50	A	0	0	0	
1 C02	3238	0	16	83319	2324	83319	2334	F4	7880	7	-6210.50	3636.20-5653.10	9452.80	A	0	0	0	
1 C01	6891	0	10	83320	106	83320	116	F4	7882	7	-6203.10	3632.40-5359.60	7125.90	A	0	0	0	
1 C02	3239	0	11	83320	108	83320	118	F4	7884	7	-6203.80	3633.00-5405.40	13937.10	A	0	0	0	
1 C01	6892	0	18	83320	249	83320	259	F4	7886	7	-6158.80	3638.10-5619.60	2621.70	A	0	0	0	
1 C01	6893	0	22	83320	434	83320	444	F4	7888	7	-6157.70	3638.00-6017.40	2017.20	A	0	0	0	
1 C01	6894	0	22	83320	620	83320	630	F4	7890	7	-6158.00	3641.00-6535.60	7209.50	A	0	0	0	
1 C02	3243	0	16	83320	755	83320	805	F4	7892	7	-6159.10	3637.10-5514.70	4347.10	A	0	0	0	
1 C02	3244	0	21	83320	938	83320	948	F4	7896	7	-6158.60	3636.60-5834.60	149.80	A	0	0	0	
1 C01	6896	0	0	0	0	0	0	F4	7898	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3245	0	21	83320	1122	83320	1132	F4	7900	7	-6158.90	3636.00-6327.80	5047.10	A	0	0	0	
1 C01	6897	0	15	83320	1146	83320	1156	F4	7902	7	-6200.60	3636.90-7152.90	8352.00	A	0	0	0	
1 C02	3246	0	21	83320	1310	83320	1320	F4	7904	7	-6200.70	3634.30-6845.30	10756.50	A	0	0	0	
1 C01	6898	0	18	83320	1335	83320	1345	F4	7906	7	-6200.90	3633.00-6738.40	1735.50	A	0	0	0	
1 C02	3247	0	17	83320	1458	83320	1508	F4	7908	7	-6200.30	3631.10-7220.00	17422.10	A	0	0	0	
1 C01	6899	0	22	83320	1523	83320	1533	F4	7910	7	-6159.80	3636.00-6158.60	3647.10	A	0	0	0	
1 C02	3248	0	6	83320	1647	83320	1657	F4	7912	7	-6201.50	3625.30-7316.80	10904.30	A	0	0	0	
1 C01	6900	0	18	83320	1708	83320	1718	F4	7914	8	-6200.10	3628.60-5732.70	8351.20	A	0	0	0	
1 C02	3249	0	19	83320	1835	83320	1845	F4	7916	8	-6159.10	3624.90-6929.90	4420.80	A	0	0	0	
1 C01	6901	0	13	83320	1852	83320	1902	F4	7918	8	-6200.10	3626.40-5435.80	12907.70	A	0	0	0	
1 C02	3250	0	17	83320	2022	83320	2032	F4	7920	8	-6158.30	3623.50-6416.50	1453.20	A	0	0	0	
1 C02	3251	0	17	83320	2207	83320	2217	F4	7922	8	-6158.10	3623.60-5907.50	6411.50	A	0	0	0	
1 C02	3252	0	16	83320	2352	83321	2	F4	7924	8	-6149.30	3624.80-5529.00	10955.30	A	0	0	0	
1 C02	6905	0	6	83321	135	83321	145	F4	7926	8	-6145.30	3630.60-5317.40	15425.50	A	0	0	0	
1 C01	6906	0	21	83321	323	83321	333	F4	7928	8	-6147.00	3620.70-5737.10	747.30	A	0	0	0	
1 C01	6907	0	20	83321	509	83321	519	F4	7930	8	-6145.80	3617.20-6211.20	4017.60	A	0	0	0	
1 C02	3256	0	10	83321	632	83321	642	F4	7932	8	-6146.40	3615.30-5342.40	7313.20	A	0	0	0	
1 C01	6908	0	19	83321	656	83321	706	F4	7934	8	-6145.60	3617.70-6731.20	9547.40	A	0	0	0	
1 C02	3257	0	20	83321	821	83321	831	F4	7936	8	-6144.90	3616.60-5604.00	2817.20	A	0	0	0	
1 C01	6909	0	16	83321	845	83321	855	F4	7938	8	-6146.50	3623.30-7140.80	16053.40	A	0	0	0	
1 C02	3258	0	20	83321	1006	83321	1016	F4	7940	8	-6144.80	3622.20-5953.40	1801.90	A	0	0	0	
1 C01	6910	0	11	83321	1034	83321	1044	F4	7942	8	-6145.80	3619.80-7247.20	12708.70	A	0	0	0	
1 C02	3259	0	0	0	0	0	0	F4	7944	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6911	0	19	83321	1223	83321	1233	F4	7946	8	-6145.80	3621.30-7002.50	5644.50	A	0	0	0	
1 C02	3260	0	18	83321	1339	83321	1349	F4	7948	8	-6146.30	3623.40-6957.40	12933.70	A	0	0	0	
1 C01	6912	0	22	83321	1411	83321	1421	F4	7950	8	-6146.70	3620.80-6508.00	440.50	A	0	0	0	
1 C02	3261	0	14	83321	1528	83321	1538	F4	7952	8	-6147.80	3621.00-7240.50	16056.60	A	0	0	0	
1 C01	6913	0	23	83321	1557	83321	1607	F4	7954	8	-6147.90	3618.90-5951.80	5522.50	A	0	0	0	
1 C02	3262	0	15	83321	1717	83321	1727	F4	7956	8	-6148.00	3617.50-7146.30	8837.20	A	0	0	0	
1 C01	6914	0	13	83321	1743	83321	1753	F4	7958	8	-6147.50	3616.30-5559.90	10203.60	A	0	0	0	
1 C02	3263	0	19	83321	1905	83321	1915	F4	7960	7	-6146.00	3616.80-6744.90	2213.90	A	0	0	0	
1 C01	6915	0	7	83321	1925	83321	1935	F4	7962	7	-6144.20	3618.10-5337.00	14712.40	A	0	0	0	
1 C02	3264	0	20	83321	2252	83321	2302	F4	7964	7	-6137.50	3633.60-6208.30	3143.60	A	0	0	0	
1 C02	3265	0	20	83321	2236	83321	2246	F4	7966	7	-6134.70	3630.30-5727.10	7926.40	A	0	0	0	
1 C02	3266	0	11	83322	20	83322	30	F4	7968	7	-6133.90	3625.40-5416.80	12451.80	A	0	0	0	
1 C01	6919	0	17	83322	215	83322	225	F4	7970	7	-6133.60	3625.00-5523.90	3524.40	A	0	0	0	
1 C01	6920	0	22	83322	357	83322	407	F4	7972	7	-6132.70	3624.70-5859.90	1051.60	A	0	0	0	
1 C01	6921	0	12	83322	544	83322	735	F4	7974	7	-6130.70	3625.80-6403.70	6130.10	A	0	0	0	
1 C02	3207	0	11	83322	706	83322	1210	F4	7976	7	-6125.70	3621.20-5346.20	5802.00	A	0	0	0	
1 C01	6922	0	16	83322	732	83322	859	F4	7978	7	-6125.20	3626.50-6902.70	12030.80	A	0	0	0	
1 C02	3271	0	22	83322	849	83322	1209	F4	7980	7	-6123.00	3625.30-5649.00	1250.20	A	0	0	0	
1 C01	6923	0	18	83322	921	83322	1913	F4	7982	7	-6124.90	3625.60-7201.60	17105.20	A	0	0	0	
1 C02	3272	0	21	83322	1035	83322	1208	F4	7984	7	-6123.80	3626.10-6114.70	3458.10	A	0	0	0	
1 C01	7986	0	18	83322	1111	83322	1912	F4	7986	7	-6124.80	3622.00-7137.30	9824.80	A	0	0	0	
1 C02	3273	0	0	0	0	0	0	F4	7988	8	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6925	0	21	83322	1300	83322	1911	F4	7990	7	-6124.00	3621.20-6805.90	3024.70	A	0	0	0	
1 C02	3274	0	16	83322	1408	83322	2345	F4	7992	8	-6124.60	3622.40-7054.60	15235.90	A	0	0	0	

1 C01	6926	0	23	83322	1447	83322	1910 F4	7994	8	-6124.00	3622.10-6235.80	2452.00	A	0	0	0	
1 C02	3275	0	13	83322	1557	83322	2345 F4	7996	8	-6124.70	3619.40-7219.70	13558.20	A	0	0	0	
1 C01	6927	0	20	83322	1633	83322	1908 F4	7998	8	-6124.20	3619.60-5746.80	7352.50	A	0	0	0	
1 C02	3276	0	17	83322	1746	83322	2344 F4	8000	8	-6124.20	3619.00-7010.80	6557.00	A	0	0	0	
1 C01	6928	0	14	83322	1817	83322	1907 F4	8002	8	-6125.00	3619.00-5437.20	11956.70	A	0	0	0	
1 C02	3277	0	21	83322	1936	83322	2343 F4	8004	8	-6123.70	3617.50-6533.10	330.40	A	0	0	0	
1 C02	3278	0	12	83322	2120	83322	2342 F4	8006	8	-6120.80	3618.00-6008.70	4753.10	A	0	0	0	
1 C02	3279	0	18	83322	2304	83322	2341 F4	8008	8	-6121.40	3618.20-5604.50	9452.30	A	0	0	0	
1 C02	3280	0	9	83323	48	83323	155 F4	8010	8	-6119.40	3620.30-5328.90	13956.90	A	0	0	0	
1 C01	6932	0	6	83323	103	83323	616 F4	8012	8	-6119.50	3616.40-5339.10	6223.00	A	0	0	0	
1 C01	6946	0	13	83324	138	83324	836 F4	8014	7	-6057.30	3617.80-5416.10	4427.10	A	0	0	0	
1 C01	6947	0	20	83324	323	83324	834 F4	8016	7	-6055.30	3612.60-5730.60	140.00	A	0	0	0	
1 C01	6948	0	19	83324	507	83324	832 F4	8018	7	-6048.10	3638.30-6216.80	5051.00	A	0	0	0	
1 C02	3297	0	8	83324	619	83324	1146 F4	8020	7	-6046.80	3629.50-5253.90	7259.50	A	0	0	0	
1 C01	6949	0	15	83324	654	83324	831 F4	8022	7	-6045.50	3629.80-6722.30	10818.60	A	0	0	0	
1 C02	3298	0	12	83324	801	83324	1146 F4	8024	7	-6047.00	3628.20-5507.60	2737.70	A	0	0	0	
1 C01	6950	0	18	83324	845	83324	1859 F4	8026	7	-6049.50	3629.00-7100.60	17447.30	A	0	0	0	
1 C02	3299	0	22	83324	945	83324	1145 F4	8028	7	-6045.00	3626.30-5900.20	1902.10	A	0	0	0	
1 C01	6951	0	14	83324	1035	83324	1858 F4	8030	7	-6036.80	3630.90-7108.30	11353.90	A	0	0	0	
1 C02	3300	0	0	0	0	0	0 F4	8032	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6952	0	19	83324	1224	83324	1857 F4	8034	7	-6026.60	3626.50-6753.80	4607.20	A	0	0	0	
1 C02	3301	0	0	0	0	0	0 F4	8036	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6953	0	21	83324	1411	83324	1855 F4	8038	8	-6035.10	3624.20-6258.20	1343.20	A	0	0	0	
1 C02	3302	0	0	0	0	0	0 F4	8040	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6954	0	20	83324	1556	83324	1854 F4	8042	8	-6048.00	3635.00-5807.20	6334.60	A	0	0	0	
1 C02	3303	0	0	0	0	0	0 F4	8044	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6955	0	12	83324	1740	83324	1853 F4	8046	8	-6046.60	3630.80-5437.70	11030.90	A	0	0	0	
1 C02	3304	0	0	0	0	0	0 F4	8048	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3305	0	0	0	0	0	0 F4	8050	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3306	0	0	0	0	0	0 F4	8052	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3307	0	0	0	0	0	0 F4	8054	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6959	0	0	0	0	0	0 F4	8056	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6960	0	0	0	0	0	0 F4	8058	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6961	0	0	0	0	0	0 F4	8060	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6962	0	0	0	0	0	0 F4	8062	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3311	0	0	0	0	0	0 F4	8064	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6963	0	0	0	0	0	0 F4	8066	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3312	0	0	0	0	0	0 F4	8068	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6964	0	0	0	0	0	0 F4	8070	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3313	0	0	0	0	0	0 F4	8072	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6965	0	0	0	0	0	0 F4	8074	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3314	0	0	0	0	0	0 F4	8076	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6966	0	0	0	0	0	0 F4	8078	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3315	0	0	0	0	0	0 F4	8080	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6967	0	0	0	0	0	0 F4	8082	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6968	0	0	0	0	0	0 F4	8086	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3317	0	0	0	0	0	0 F4	8088	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6969	0	0	0	0	0	0 F4	8090	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3318	0	0	0	0	0	0 F4	8092	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3319	0	0	0	0	0	0 F4	8094	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3320	0	0	0	0	0	0 F4	8096	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3321	0	0	0	0	0	0 F4	8098	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6973	0	0	0	0	0	0 F4	8100	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6974	0	0	0	0	0	0 F4	8102	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6975	0	0	0	0	0	0 F4	8104	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6976	0	0	0	0	0	0 F4	8106	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3325	0	0	0	0	0	0 F4	8108	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6977	0	0	0	0	0	0 F4	8110	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3326	0	0	0	0	0	0 F4	8112	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6978	0	0	0	0	0	0 F4	8114	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3327	0	0	0	0	0	0 F4	8116	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6979	0	0	0	0	0	0 F4	8118	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3328	0	0	0	0	0	0 F4	8120	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	6980	0	0	0	0	0	0 F4	8122	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3329	48	15	83326	1418	83327	11 F4	8124	7	-6153.00	3808.90-7205.90	17212.70	A	274	0	0	
1 C01	6981	0	0	0	0	0	0 F4	8126	0	0.00	0.00	0.00	0.00	C	0	0	0

1 C02	3330	46	17	83326	1607	83327	11 F4	8128	7	-6153.70	3809.80-7237.9011428.30	A	76	0	0
1 C01	6982	0	0	0	0	0	0 F4	8130	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3331	42	15	83326	1755	83327	10 F4	8132	8	-6154.70	3813.40-6932.60 4515.20	A	85	0	0
1 C01	6983	0	0	0	0	0	0 F4	8134	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3332	33	18	83326	1942	83327	9 F4	8136	8	-6154.90	3811.90-6433.10 1303.20	A	297	0	0
1 C02	3333	23	19	83326	2128	83327	8 F4	8138	8	-6158.10	3820.60-5925.50 6315.70	A	274	0	0
1 C02	3334	20	14	83326	2312	83327	8 F4	8140	8	-6201.40	3827.50-5534.7010910.20	A	12	1	1
1 C01	6987	7	15	83327	138	83327	448 F4	8142	8	-6218.80	3903.50-5539.40 3821.20	A	12	2	1
1 C01	6987	4	20	83327	323	83327	446 F4	8144	8	-6222.20	3856.80-5914.70 734.50	A	89	0	0
1 C02	3338	23	7	83327	559	83327	1052 F4	8148	8	-6224.60	3854.80-5408.10 7452.50	A	60	4	0
1 C01	6990	0	0	0	0	0	0 F4	8150	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3339	12	14	83327	742	83327	1051 F4	8152	8	-6223.10	3856.70-5615.40 3002.80	A	25	0	0
1 C01	6991	0	0	0	0	0	0 F4	8154	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3340	6	22	83327	926	83327	1050 F4	8156	8	-6222.00	3857.30-6002.10 1605.90	A	89	0	0
1 C01	6992	45	16	83327	1034	83327	1850 F4	8158	8	-6222.80	3857.90-7257.2010305.80	A	66	0	0
1 C02	3341	0	0	0	0	0	0 F4	8160	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	6993	39	20	83327	1223	83327	1847 F4	8162	8	-6221.50	3859.00-6936.10 3337.90	A	315	0	0
1 C02	3324	0	0	0	0	0	0 F4	8164	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	6994	32	20	83327	1410	83327	1846 F4	8166	7	-6221.90	3859.50-6406.10 2224.30	A	291	0	0
1 C02	3343	0	0	0	0	0	0 F4	8168	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	6995	25	21	83327	1556	83327	1845 F4	8170	7	-6223.80	3858.00-5908.70 7147.50	A	88	0	0
1 C02	3344	0	0	0	0	0	0 F4	8172	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	6996	19	14	83327	1741	83327	1843 F4	8174	7	-6223.50	3855.50-5546.1011736.70	A	334	0	0
1 C02	3345	0	0	0	0	0	0 F4	8176	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3346	0	0	0	0	0	0 F4	8178	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3347	0	0	0	0	0	0 F4	8180	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3348	0	0	0	0	0	0 F4	8182	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7000	0	0	0	0	0	0 F4	8184	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7001	0	0	0	0	0	0 F4	8186	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7001	0	0	0	0	0	0 F4	8186	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7002	0	0	0	0	0	0 F4	8188	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7003	0	0	0	0	0	0 F4	8190	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3352	0	0	0	0	0	0 F4	8192	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7004	0	0	0	0	0	0 F4	8194	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3353	0	0	0	0	0	0 F4	8196	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7005	0	0	0	0	0	0 F4	8198	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C0	3354	0	0	0	0	0	0 F4	8200	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7006	0	0	0	0	0	0 F4	8202	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3355	0	0	0	0	0	0 F4	8204	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7007	0	0	0	0	0	0 F4	8206	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3356	0	0	0	0	0	0 F4	8208	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7008	0	0	0	0	0	0 F4	8210	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3357	49	14	83328	1517	83329	114 F4	8212	8	-6244.00	3851.20-7352.4013945.60	A	72	0	0
1 C01	7009	37	11	83328	1631	83329	414 F4	8214	8	-6243.30	3857.70-5734.30 9033.30	A	47	5	3
1 C02	3358	47	16	83328	1706	83329	113 F4	8216	8	-6244.30	3853.20-7155.40 6731.00	A	68	0	0
1 C01	7010	31	8	83328	1815	83329	413 F4	8218	8	-6244.90	3853.40-5455.6013527.10	A	333	0	0
1 C02	3359	39	20	83328	1853	83329	112 F4	8220	8	-6245.10	3852.30-6718.00 401.30	A	302	0	0
1 C02	3360	30	19	83328	2039	83329	111 F4	8222	8	-6245.90	3847.20-6145.90 4811.40	A	279	1	0
1 C02	3361	27	16	83328	2224	83329	110 F4	8224	8	-6243.40	3849.30-5733.00 9429.60	A	301	0	0
1 C02	3362	21	12	83329	7	83329	110 F4	8226	8	-6236.40	3851.10-5442.3013911.10	A	328	2	0
1 C01	7014	12	16	83329	103	83329	409 F4	8228	8	-6232.80	3851.70-5523.00 4735.50	A	26	1	0
1 C01	7015	8	21	83329	247	83329	408 F4	8230	8	-6225.10	3852.60-5826.90 202.30	A	278	1	0
1 C01	7016	0	0	0	0	0	0 F4	8232	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7017	0	0	0	0	0	0 F4	8234	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C02	3366	0	0	0	0	0	0 F4	8236	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7018	33	17	83329	809	83329	1757 F4	8238	8	-6205.10	3907.00-7208.2016800.10	A	280	0	0
1 C02	3367	9	20	83329	838	83329	959 F4	8240	8	-6204.00	3904.90-5821.20 48.70	A	276	0	0
1 C01	7019	27	14	83329	958	83329	1755 F4	8242	8	-6205.70	3905.00-7301.2011858.80	A	64	0	0
1 C02	3368	0	0	0	0	0	0 F4	8244	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7020	23	18	83329	1147	83329	1754 F4	8246	8	-6205.80	3902.90-7011.50 4855.90	A	15	0	0
1 C02	3369	0	0	0	0	0	0 F4	8248	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7021	19	19	83329	1665	83329	1753 F4	8250	8	-6206.00	3902.00-6502.80 1056.80	A	299	0	0
1 C02	3370	0	0	0	0	0	0 F4	8252	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7022	10	20	83329	1521	83329	1751 F4	8254	8	-6206.30	3858.40-5947.70 6147.80	A	87	0	0
1 C02	3371	0	0	0	0	0	0 F4	8256	0	0.00	0.00 0.00 0.00	C	0	0	0
1 C01	7023	6	13	83329	1706	83329	1750 F4	8258	8	-6206.90	3855.50-5558.0010804.80	A	352	0	0

1 C02	3372	0	19	83329	1735	83330	1235 F4	8260	8	-6206.80	3857.70-7003.70	4625.70	A	0	0	0	
1 C01	7024	0	0	0	0	0	0 F4	8262	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3373	0	20	83329	1923	83330	1234 F4	8264	8	-6207.80	3855.10-6450.50	1333.90	A	0	0	0	
1 C02	3374	0	18	83329	2109	83330	1233 F4	8266	8	-6208.30	3852.40-5938.40	6317.70	A	0	0	0	
1 C02	3375	0	14	83329	2252	83330	1233 F4	8268	8	-6208.30	3855.70-5553.80	10912.50	A	0	0	0	
1 C01	7027	0	0	0	0	0	0 F4	8270	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3376	0	7	83330	35	83330	1232 F4	8272	7	-6154.90	3907.00-5329.80	15337.40	A	0	0	0	
1 C01	7028	11	14	83330	137	83330	458 F4	8274	7	-6158.00	3902.20-5551.50	2941.00	A	15	0	0	
1 C01	7029	8	22	83330	322	83330	457 F4	8276	7	-6153.10	3905.50-5937.60	1648.20	A	88	0	0	
1 C01	7030	0	0	0	0	0	0 F4	8278	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3379	0	7	83330	539	83330	1230 F4	8280	7	-6148.60	3906.10-5331.60	7409.00	A	0	0	0	
1 C01	7031	0	0	0	0	0	0 F4	8282	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3380	0	18	83330	722	83330	1229 F4	8284	7	-6144.20	3910.70-5544.00	2924.90	A	0	0	0	
1 C01	7032	0	0	0	0	0	0 F4	8286	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3381	0	22	83330	909	83330	1228 F4	8288	7	-6144.90	3915.30-5928.30	1639.00	A	0	0	0	
1 C01	7033	0	0	0	0	0	0 F4	8290	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3382	0	23	83330	1052	83330	1228 F4	8292	7	-6145.80	3913.50-6440.50	6725.50	A	0	0	0	
1 C01	7034	0	0	0	0	0	0 F4	8294	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3383	0	0	0	0	0	0 F4	8296	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7035	0	0	0	0	0	0 F4	8298	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3384	0	0	0	0	0	0 F4	8300	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7036	0	0	0	0	0	0 F4	8302	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3385	0	0	0	0	0	0 F4	8304	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7037	0	0	0	0	0	0 F4	8306	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3386	0	21	83330	1804	83331	1141 F4	8308	8	-6143.80	3907.80-6758.20	2608.40	A	0	0	0	
1 C02	3387	0	22	83330	1951	83331	1139 F4	8310	8	-6142.80	3907.10-6238.10	3028.20	A	0	0	0	
1 C02	3388	0	21	83330	2137	83331	1138 F4	8312	8	-6136.90	3907.20-5738.40	7904.90	A	0	0	0	
1 C02	3389	0	13	83330	2320	83331	1138 F4	8314	8	-6127.00	3915.00-5429.00	12349.50	A	0	0	0	
1 C01	7041	0	0	0	0	0	0 F4	8316	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7042	0	0	0	0	0	0 F4	8318	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7043	0	0	0	0	0	0 F4	8320	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7044	0	0	0	0	0	0 F4	8322	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3393	0	10	83331	607	83331	1134 F4	8324	8	-6126.30	3909.40-5354.00	5925.50	A	0	0	0	
1 C01	7045	0	0	0	0	0	0 F4	8326	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3394	0	18	83331	750	83331	1134 F4	8328	8	-6123.40	3914.10-5629.30	1401.20	A	0	0	0	
1 C01	7046	0	0	0	0	0	0 F4	8330	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3395	0	22	83331	934	83331	1133 F4	8332	8	-6123.30	3928.50-6043.60	3300.70	A	0	0	0	
1 C01	7047	0	0	0	0	0	0 F4	8334	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3396	0	0	0	0	0	0 F4	8336	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7048	0	0	0	0	0	0 F4	8338	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3397	0	0	0	0	0	0 F4	8340	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7049	0	0	0	0	0	0 F4	8342	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3398	0	0	0	0	0	0 F4	8344	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3399	0	0	0	0	0	0 F4	8348	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7051	0	0	0	0	0	0 F4	8350	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3400	0	0	0	0	0	0 F4	8352	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3401	0	0	0	0	0	0 F4	8354	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3402	0	0	0	0	0	0 F4	8356	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3403	0	0	0	0	0	0 F4	8358	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7055	0	16	83332	103	83332	420 F4	8360	7	-6102.00	3925.10-5432.40	3849.00	A	0	0	0	
1 C01	7056	0	21	83332	247	83332	418 F4	8362	7	-6059.30	3924.70-5751.60	721.00	A	0	0	0	
1 C01	7057	0	0	0	0	0	0 F4	8364	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7058	0	0	0	0	0	0 F4	8366	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3407	0	0	0	0	0	0 F4	8368	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7059	0	0	0	0	0	0 F4	8370	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3408	0	0	0	0	0	0 F4	8372	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7060	0	15	83332	959	83332	1802 F4	8374	7	-6109.40	3926.80-7138.70	10615.70	A	0	0	0	
1 C01	7061	0	20	83332	1147	83332	1759 F4	8378	7	-6108.20	3927.50-6821.60	3832.60	A	0	0	0	
1 C02	3410	0	0	0	0	0	0 F4	8380	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7062	0	20	83332	1335	83332	1757 F4	8382	7	-6107.50	3929.00-6310.40	1943.60	A	0	0	0	
1 C02	3411	0	0	0	0	0	0 F4	8384	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7063	0	22	83332	1521	83332	1755 F4	8386	7	-6107.20	3928.20-5808.40	6944.40	A	0	0	0	
1 C02	3412	0	0	0	0	0	0 F4	8388	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7064	0	13	83332	1706	83332	1754 F4	8390	7	-6059.00	3926.40-5424.30	11552.10	A	0	0	0	
1 C02	3413	0	0	0	0	0	0 F4	8392	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3414	0	20	83332	1903	83332	2326 F4	8394	8	-6058.40	3930.80-6351.20	1204.20	A	0	0	0	

1 C02	3415	0	21	83332	2049	83332	2325 F4	8396	8	-6057.80	3924.60-5834.20	6249.20	A	0	0	0	
1 C02	3416	0	16	83332	2233	83332	2324 F4	8398	8	-6044.60	3926.70-5446.50	10832.30	A	0	0	0	
1 C01	7068	0	0	0	0	0	0 F4	8400	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7068	0	0	0	0	0	0 F4	8400	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3417	0	0	0	0	0	0 F4	8402	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3417	0	0	0	0	0	0 F4	8402	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7069	0	0	0	0	0	0 F4	8403	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7070	0	0	0	0	0	0 F4	8404	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7071	0	0	0	0	0	0 F4	8405	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7072	0	0	0	0	0	0 F4	8406	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3421	0	0	0	0	0	0 F4	8407	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7073	0	0	0	0	0	0 F4	8408	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3422	0	0	0	0	0	0 F4	8409	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7074	0	0	0	0	0	0 F4	8410	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3424	0	0	0	0	0	0 F4	8412	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7075	0	0	0	0	0	0 F4	8413	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7076	0	20	83333	1411	83333	1635 F4	8414	8	-6032.60	3934.70-6028.30	4015.70	A	0	0	0	
1 C02	3425	0	0	0	0	0	0 F4	8415	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7077	0	15	83333	1556	83333	1633 F4	8416	7	-6041.40	3954.40-5617.80	8740.30	A	0	0	0	
1 C02	3426	0	0	0	0	0	0 F4	8417	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7078	0	0	0	0	0	0 F4	8418	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3427	0	0	0	0	0	0 F4	8419	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3428	0	0	0	0	0	0 F4	8420	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3429	0	0	0	0	0	0 F4	8421	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3430	0	0	0	0	0	0 F4	8422	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7082	0	0	0	0	0	0 F4	8423	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7083	0	0	0	0	0	0 F4	8424	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7084	0	0	0	0	0	0 F4	8425	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7085	0	0	0	0	0	0 F4	8426	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3434	0	0	0	0	0	0 F4	8427	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7086	0	0	0	0	0	0 F4	8428	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3435	0	0	0	0	0	0 F4	8429	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7087	0	0	0	0	0	0 F4	8431	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3437	0	0	0	0	0	0 F4	8432	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7088	0	0	0	0	0	0 F4	8433	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3438	0	0	0	0	0	0 F4	8434	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7089	0	0	0	0	0	0 F4	8435	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3439	0	0	0	0	0	0 F4	8436	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7090	0	16	83334	1446	83334	1917 F4	8437	8	-6022.40	3955.10-5829.10	5908.70	A	0	0	0	
1 C01	7091	0	0	0	0	0	0 F4	8438	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3440	0	0	0	0	0	0 F4	8439	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7092	0	6	83334	1814	83334	1915 F4	8440	8	-6020.30	3952.40-5215.60	15106.20	A	0	0	0	
1 C02	3441	0	0	0	0	0	0 F4	8441	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3442	0	0	0	0	0	0 F4	8442	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3443	0	0	0	0	0	0 F4	8443	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3444	0	0	0	0	0	0 F4	8444	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7096	0	0	0	0	0	0 F4	8445	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7097	0	0	0	0	0	0 F4	8446	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7098	0	0	0	0	0	0 F4	8447	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3448	0	0	0	0	0	0 F4	8448	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7099	0	14	83335	620	83335	1802 F4	8449	8	-6004.00	3958.00-6746.90	12712.50	A	0	0	0	
1 C02	3449	0	0	0	0	0	0 F4	8450	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7100	0	14	83335	809	83335	1801 F4	8451	8	-6003.80	3958.40-7028.60	16510.60	A	0	0	0	
1 C02	3450	0	0	0	0	0	0 F4	8452	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7101	0	15	83335	959	83335	1800 F4	8453	8	-6006.10	3956.40-7001.60	9401.40	A	0	0	0	
1 C02	3451	0	19	83335	1130	83336	1157 F4	8454	8	-6005.00	4001.20-6635.80	10557.60	A	0	0	0	
1 C01	7102	0	20	83335	1147	83335	1758 F4	8455	8	-6006.90	3957.90-6631.40	2830.00	A	0	0	0	
1 C02	3452	0	16	83335	1318	83336	1156 F4	8456	8	-6007.50	4001.50-7002.70	17231.10	A	0	0	0	
1 C01	7103	0	23	83335	1340	83335	1757 F4	8457	8	-6008.60	3959.20-6119.60	2829.30	A	0	0	0	
1 C02	3453	0	12	83335	1507	83336	1156 F4	8458	8	-6009.20	4001.20-7046.60	11546.10	A	0	0	0	
1 C01	7104	0	22	83335	1521	83335	1755 F4	8459	8	-6007.90	3953.70-5632.50	7745.20	A	0	0	0	
1 C02	3454	0	17	83335	1656	83336	1154 F4	8460	8	-5954.60	4010.50-6754.70	4941.00	A	0	0	0	
1 C01	7105	0	16	83335	1705	83335	1754 F4	8461	8	-5950.70	4000.90-5310.30	12340.30	A	0	0	0	
1 C02	3455	0	18	83335	1843	83336	1153 F4	8462	7	-5946.10	4001.70-6247.10	1044.60	A	0	0	0	
1 C02	3456	0	19	83335	2029	83336	1152 F4	8463	7	-5935.00	4002.50-5724.10	6141.60	A	0	0	0	
1 C02	3457	0	17	83335	2213	83336	1151 F4	8464	7	-5921.10	4006.60-5334.90	10740.90	A	0	0	0	

1 C01	7109	0	11	83335	2352	83336	652 F4	8465	7	-5906.70	4016.40-5150.30	5731.20 A	0	0	0	
1 C01	7110	0	19	83336	135	83336	651 F4	8466	7	-5907.70	4016.60-5431.90	1135.90 A	0	0	0	
1 C01	7111	0	22	83336	321	83336	649 F4	8467	7	-5905.60	4016.20-5843.00	3631.60 A	0	0	0	
1 C01	7112	0	18	83336	508	83336	647 F4	8468	7	-5915.40	4006.00-6405.60	9050.80 A	0	0	0	
1 C01	3462	0	16	83336	641	83336	1147 F4	8469	7	-5932.60	4010.50-5334.40	2833.50 A	0	0	0	
1 C01	7113	0	0	0	0	0	0 F4	8470	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C01	3463	0	22	83336	825	83336	1147 F4	8471	7	-5940.30	4011.30-5728.60	1758.30 A	0	0	0	
1 C01	7114	0	0	0	0	0	0 F4	8472	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C02	3464	0	21	83336	1011	83336	1146 F4	8473	7	-5939.30	4008.80-6234.50	6917.50 A	0	0	0	
1 C01	7115	0	0	0	0	0	0 F4	8474	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C02	3465	0	0	0	0	0	0 F4	8475	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C01	7116	0	0	0	0	0	0 F4	8476	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C02	3466	0	0	0	0	0	0 F4	8477	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C01	7117	0	0	0	0	0	0 F4	8478	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C02	3467	0	11	83336	1537	83337	1356 F4	8479	7	-5930.20	4048.50-6938.80	9510.70 A	0	0	0	
1 C01	7118	0	0	0	0	0	0 F4	8480	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C02	3468	0	0	0	0	0	0 F4	8481	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C01	7119	0	9	83336	1739	83336	2025 F4	8482	7	-5917.10	4145.60-5200.40	14031.10 A	0	0	0	
1 C02	3469	0	19	83336	1913	83337	1353 F4	8483	7	-5909.30	4229.90-6053.60	2537.40 A	0	0	0	
1 C02	3470	0	18	83336	2057	83337	1352 F4	8484	7	-5900.60	4313.60-5558.50	7419.90 A	0	0	0	
1 C02	3471	0	14	83336	2241	83337	1351 F4	8485	8	-5850.00	4358.20-5238.10	102008.60 A	0	0	0	
1 C01	7123	0	11	83337	26	83337	541 F4	8486	8	-5840.30	4444.40-5157.90	4235.20 A	0	0	0	
1 C01	7124	0	20	83337	210	83337	540 F4	8487	8	-5833.60	4524.60-5440.50	319.00 A	0	0	0	
1 C01	7125	0	20	83337	355	83337	538 F4	8488	8	-5828.50	4612.50-5901.60	5139.10 A	0	0	0	
1 C01	7126	0	19	83337	543	83337	1734 F4	8489	8	-5820.50	4654.80-6352.50	10707.90 A	0	0	0	
1 C02	3476	0	18	83337	709	83337	1346 F4	8490	8	-5809.00	4723.00-5241.00	1756.70 A	0	0	0	
1 C01	7127	0	14	83337	731	83337	1733 F4	8491	8	-5811.60	4738.70-6723.60	16932.90 A	0	0	0	
1 C02	3477	0	20	83337	854	83337	1345 F4	8492	8	-5800.00	4804.70-5607.10	2836.90 A	0	0	0	
1 C01	7128	0	10	83337	921	83337	1732 F4	8493	8	-5802.70	4820.40-6826.90	12257.10 A	0	0	0	
1 C02	3478	0	20	83337	1039	83337	1345 F4	8494	8	-5750.50	4855.50-6050.40	7946.70 A	0	0	0	
1 C01	7129	0	15	83337	1111	83337	1730 F4	8495	8	-5748.80	4901.80-6612.50	5615.50 A	0	0	0	
1 C02	3479	0	19	83337	1227	83337	1344 F4	8496	8	-5740.90	4933.70-6509.90	13825.20 A	0	0	0	
1 C01	7130	0	22	83337	1259	83337	1729 F4	8497	8	-5737.60	4941.50-6156.20	416.60 A	0	0	0	
1 C02	3480	0	0	0	0	0	0 F4	8498	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C01	7131	0	17	83337	1446	83337	1728 F4	8499	8	-5728.10	5017.30-5645.80	5721.00 A	0	0	0	
1 C02	3481	0	0	0	0	0	0 F4	8500	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C01	7132	0	15	83337	1631	83337	1726 F4	8501	8	-5719.70	5049.10-5236.10	1010508.70 A	0	0	0	
1 C01	7132	0	15	83337	1631	83337	1736 F4	8501	8	-5719.70	5049.10-5236.10	1010508.10 A	0	0	0	
1 C02	3482	0	19	83337	1754	83338	1110 F4	8502	8	-5717.90	5121.10-6401.90	2518.60 A	0	0	0	
1 C01	7133	0	6	83337	1815	83337	2053 F4	8503	8	-5710.70	5120.50-4952.20	15045.90 A	0	0	0	
1 C02	3483	0	18	83337	1941	83338	1109 F4	8504	7	-5707.30	5158.70-5906.30	3214.40 A	0	0	0	
1 C02	3484	0	18	83337	2127	83338	1108 F4	8505	7	-5656.20	5231.50-5411.00	8136.70 A	0	0	0	
1 C02	3485	0	13	83337	2311	83338	1108 F4	8506	7	-5643.10	5304.50-5042.60	12756.40 A	0	0	0	
1 C01	7137	0	12	83338	100	83338	749 F4	8507	7	-5628.80	5342.10-5005.50	3013.20 A	0	0	0	
1 C01	7151	0	0	0	0	0	0 F4	8508	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C01	7152	0	0	0	0	0	0 F4	8509	0	0.00	0.00	0.00	0.00 C	0	0	0
1 C01	7153	0	21	83339	505	83339	1650 F4	8510	8	-5408.30	6259.80-5541.50	7950.40 A	0	0	0	
1 C01	7154	0	20	83339	642	83339	1650 F4	8511	8	-5402.10	6338.00-6005.50	13634.00 A	0	0	0	
1 C02	3504	0	17	83339	805	83339	1128 F4	8512	8	-5348.00	6359.40-4854.60	206.60 A	0	0	0	
1 C01	7155	0	10	83339	841	83339	1648 F4	8513	8	-5350.70	6420.60-6237.70	16133.60 A	0	0	0	
1 C02	3505	0	19	83339	949	83339	1128 F4	8514	8	-5335.30	6437.30-5212.60	4938.50 A	0	0	0	
1 C01	7156	0	3	0	0	0	0 F4	8515	8	0.00	0.00	0.00	0.00 C	0	0	0
1 C02	3506	0	22	83339	1135	83340	1021 F4	8516	8	-5327.10	6824.80-5647.90	10057.40 A	0	0	0	
1 C01	7157	0	11	83339	1223	83339	1646 F4	8517	8	-5321.20	6543.40-6043.00	3138.80 A	0	0	0	
1 C02	3507	0	16	83339	1319	83340	1020 F4	8518	8	-5316.90	6606.10-6026.30	16010.40 A	0	0	0	
1 C01	7158	0	20	83339	1411	83339	1644 F4	8519	7	-5307.80	6622.70-5642.40	2804.20 A	0	0	0	
1 C02	3508	0	6	83339	1512	83340	1019 F4	8520	7	-5304.50	6644.80-6215.60	13630.50 A	0	0	0	
1 C01	7159	0	14	83339	1557	83339	1642 F4	8521	7	-5257.00	6655.90-5143.80	8021.30 A	0	0	0	
1 C02	3509	0	7	83339	1702	83340	1018 F4	8522	7	-5254.30	6718.20-6145.60	7059.90 A	0	0	0	
1 C01	7160	0	16	83339	1742	83339	1837 F4	8523	7	-5246.30	6730.10-4759.10	12751.60 A	0	0	0	
1 C02	3510	0	16	83339	1852	83340	1016 F4	8524	7	-5243.20	6752.90-5901.60	903.50 A	0	0	0	
1 C02	3511	0	21	83339	2039	83340	1015 F4	8525	7	-5229.80	6830.60-5425.20	4740.90 A	0	0	0	
1 C02	3512	0	19	83339	2224	83340	1014 F4	8526	7	-5220.90	6904.50-4941.70	9840.30 A	0	0	0	
1 C02	3513	0	12	83340	8	83340	1014 F4	8527	7	-5226.70	6932.90-4648.00	14520.40 A	0	0	0	
1 C01	7165	0	9	83340	209	83340	339 F4	8528	7	-5238.10	7019.30-4712.70	518.10 A	0	0	0	
1 C01	7166	0	0	0	0	0	0 F4	8529	0	0.00	0.00	0.00	0.00 C	0	0	0

1	C01	7167	0	16	83340	539	83340	714	F4	8530	7	-5309.10	7052.50-5511.60	9321.70	A	0	0	0	
1	C01	7168	0	0	0	0	0	0	F4	8531	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3518	0	17	83340	833	83340	1009	F4	8532	7	-5310.20	7051.30-4832.30	1241.20	A	0	0	0	
1	C01	7169	0	0	0	0	0	0	F4	8533	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3519	0	0	0	0	0	0	F4	8534	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	7170	0	0	0	0	0	0	F4	8535	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3520	0	0	0	0	0	0	F4	8536	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	7233	0	8	83345	135	83345	514	F4	8537	7	-5254.90	7045.90-4713.20	601.00	A	0	0	0	
1	C01	7234	0	19	83345	317	83345	512	F4	8538	7	-5254.50	7048.20-5019.80	4129.70	A	0	0	0	
1	C01	7235	0	0	0	0	0	0	F4	8539	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	7236	0	0	0	0	0	0	F4	8540	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3586	0	0	0	0	0	0	F4	8541	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3587	0	21	83345	909	83345	1230	F4	8542	7	-5254.30	7048.10-5037.40	4513.40	A	0	0	0	
1	C02	3588	0	20	83345	1055	83345	1229	F4	8543	8	-5254.20	7047.60-5520.00	9644.90	A	0	0	0	
1	C01	7239	0	13	83345	1222	83345	1644	F4	8544	8	-5254.10	7043.00-5929.20	1423.00	A	0	0	0	
1	C02	3589	0	0	0	0	0	0	F4	8545	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	7240	0	19	83345	1410	83345	1642	F4	8546	8	-5241.60	7022.90-5506.70	4429.10	A	0	0	0	
1	C01	7241	0	18	83345	1557	83345	1641	F4	8547	8	-5232.20	6934.40-5004.90	9652.40	A	0	0	0	
1	C01	7242	0	0	0	0	0	0	F4	8548	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3592	0	0	0	0	0	0	F4	8549	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3593	0	0	0	0	0	0	F4	8550	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3594	0	0	0	0	0	0	F4	8551	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3595	0	0	0	0	0	0	F4	8552	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	7247	0	19	83346	208	83346	347	F4	8553	8	-5336.40	6634.60-4926.50	1547.40	A	0	0	0	
1	C01	7248	0	17	83346	353	83346	533	F4	8554	8	-5342.60	6421.30-5355.80	6643.60	A	0	0	0	
1	C01	7249	0	0	0	0	0	0	F4	8555	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3599	0	4	83346	610	83346	2328	F4	8556	8	-5419.70	6529.70-4747.60	2946.00	A	0	0	0	
1	C01	7250	0	0	0	0	0	0	F4	8557	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3600	0	18	83346	753	83346	2328	F4	8558	8	-5437.10	6458.60-5034.30	1729.10	A	0	0	0	
1	C01	7251	0	0	0	0	0	0	F4	8559	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3601	0	20	83346	938	83346	2326	F4	8560	8	-5456.00	6401.40-5512.70	6655.80	A	0	0	0	
1	C01	7252	0	0	0	0	0	0	F4	8561	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3602	0	19	83346	1124	83346	2325	F4	8562	8	-5522.60	6428.40-6028.50	12148.00	A	0	0	0	
1	C01	7253	0	0	0	0	0	0	F4	8563	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3603	0	14	83346	1313	83346	2324	F4	8564	8	-5543.70	6404.70-6428.30	17547.40	A	0	0	0	
1	C01	7254	0	0	0	0	0	0	F4	8565	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3604	0	10	83346	1503	83346	2323	F4	8566	8	-5606.40	6344.30-6600.90	10831.80	A	0	0	0	
1	C01	7255	0	0	0	0	0	0	F4	8567	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3605	0	14	83346	1653	83346	2321	F4	8568	8	-5628.40	6323.20-6442.30	4118.60	A	0	0	0	
1	C02	3606	0	21	83346	1841	83346	2320	F4	8569	7	-5651.30	6300.50-6057.10	2113.10	A	0	0	0	
1	C02	3607	0	21	83346	2026	83346	2319	F4	8570	7	-5712.40	6248.60-5607.10	7401.70	A	0	0	0	
1	C02	3608	0	16	83346	2211	83346	2318	F4	8571	7	-5735.00	6223.70-5226.80	12206.60	A	0	0	0	
1	C01	7260	0	15	83347	59	83347	619	F4	8572	7	-5807.50	6138.60-5212.90	1017.30	A	0	0	0	
1	C01	7274	0	19	83348	134	83348	528	F4	8574	8	-6210.70	5853.30-5725.80	757.60	A	0	0	0	
1	C01	7275	0	18	83348	320	83348	526	F4	8574	8	-6210.90	5856.90-6149.50	5527.50	A	0	0	0	
1	C01	7276	0	0	0	0	0	0	F4	8575	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3626	0	11	83348	524	83348	1033	F4	8576	8	-6227.50	5817.40-5441.20	4131.30	A	0	0	0	
1	C01	7277	0	0	0	0	0	0	F4	8577	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3627	0	19	83348	707	83348	1033	F4	8578	8	-6240.20	5756.70-5735.70	341.60	A	0	0	0	
1	C01	7278	0	0	0	0	0	0	F4	8579	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3628	0	20	83348	852	83348	1032	F4	8580	8	-6256.70	5742.60-6211.60	5033.30	A	0	0	0	
1	C01	7279	0	0	0	0	0	0	F4	8581	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3629	0	19	83348	1038	83348	2230	F4	8582	8	-6308.30	5701.40-6801.60	10248.70	A	0	0	0	
1	C01	7280	0	0	0	0	0	0	F4	8583	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3630	0	18	83348	1226	83348	2230	F4	8584	8	-6323.40	5632.70-7254.30	16736.90	A	0	0	0	
1	C01	7281	0	0	0	0	0	0	F4	8585	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3631	0	16	83348	1415	83348	2229	F4	8586	7	-6341.30	5612.60-7202.60	11835.00	A	0	0	0	
1	C01	7282	0	0	0	0	0	0	F4	8587	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3632	0	19	83348	1604	83348	2227	F4	8588	7	-6404.90	5611.50-7313.30	4459.00	A	0	0	0	
1	C01	7283	0	0	0	0	0	0	F4	8589	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3635	0	0	0	0	0	0	F1	8590	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3634	0	19	83348	1936	83348	2225	F4	8591	7	-6414.30	5630.90-6254.70	6845.20	A	0	0	0	
1	C02	3635	0	0	0	0	0	0	F4	8592	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C02	3636	0	0	0	0	0	0	F4	8593	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	7287	0	0	0	0	0	0	F4	8594	0	0.00	0.00	0.00	0.00	C	0	0	0
1	C01	7288	0	0	0	0	0	0	F4	8595	0	0.00	0.00	0.00	0.00	C	0	0	0

1 C01	7298	0	0	0	0	0	0	F4	8596	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3639	0	0	0	0	0	0	F4	8597	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7290	0	0	0	0	0	0	F4	8598	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3640	0	0	0	0	0	0	F4	8599	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7291	0	0	0	0	0	0	F4	8600	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3641	0	0	0	0	0	0	F4	8601	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7292	0	0	0	0	0	0	F4	8602	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3642	0	0	0	0	0	0	F4	8603	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7293	0	0	0	0	0	0	F4	8604	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3643	0	0	0	0	0	0	F4	8605	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7294	0	0	0	0	0	0	F4	8606	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3644	0	0	0	0	0	0	F4	8607	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7295	0	0	0	0	0	0	F4	8608	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3645	0	0	0	0	0	0	F4	8609	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7357	0	0	0	0	0	0	F4	8610	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3708	0	10	83354	444	83354	756	F4	8611	8	-6246.60	5738.20-5501.60	4030.40	4030.40	A	0	0	0
1 C01	7358	0	0	0	0	0	0	F4	8612	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3709	0	19	83354	627	83354	755	F4	8613	8	-6228.20	5813.90-5726.70	408.60	408.60	A	0	0	0
1 C01	7359	0	0	0	0	0	0	F4	8614	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3710	0	1	0	0	0	0	F4	8615	8	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7360	0	15	83354	845	83354	1826	F4	8616	8	-6212.60	5848.70-7253.50	8621.10	8621.10	A	0	0	0
1 C02	3711	0	20	83354	959	83354	2148	F4	8617	8	-6210.50	5858.70-6645.10	1010341.80	1010341.80	A	0	0	0
1 C01	7361	0	16	83354	1033	83354	1824	F4	8618	8	-6211.60	5855.70-6929.00	1757.90	1757.90	A	0	0	0
1 C02	3712	0	17	83354	1146	83354	2148	F4	8619	8	-6211.30	5858.50-7118.70	16600.80	16600.80	A	0	0	0
1 C01	7362	0	20	83354	1220	83354	1023	F4	8620	8	-6211.70	5856.60-6411.20	3958.20	3958.20	A	0	0	0
1 C02	3713	0	17	83354	1335	83354	2147	F4	8621	7	-6227.40	5839.00-7334.90	12208.40	12208.40	A	0	0	0
1 C01	7363	0	17	83354	1407	83354	1821	F4	8622	7	-6228.90	5901.60-5916.00	9025.40	9025.40	A	0	0	0
1 C02	3714	0	16	83354	1524	83354	2146	F4	8623	7	-6242.10	5922.80-7218.30	5057.60	5057.60	A	0	0	0
1 C01	7364	0	13	83354	1551	83354	1820	F4	8624	7	-6243.20	5939.90-5610.40	13522.90	13522.90	A	0	0	0
1 C02	3715	0	17	83354	1711	83354	2143	F4	8625	7	-6255.60	6007.00-6757.10	1259.20	1259.20	A	0	0	0
1 C02	3716	0	20	83354	1857	83354	2142	F4	8626	7	-6221.10	6523.70-6254.30	6013.20	6013.20	B	0	0	0
1 C02	3717	0	18	83354	2042	83354	2142	F4	8627	7	-6250.40	6100.80-5801.60	11121.40	11121.40	A	0	0	0
1 C02	3718	0	10	83354	2225	83355	1018	F4	8628	7	-6254.30	6111.20-5518.90	15646.00	15646.00	A	0	0	0
1 C01	7368	0	0	0	0	0	0	F4	8629	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7369	0	17	83355	24	83355	210	F4	8630	7	-6249.10	6015.40-5705.80	338.70	338.70	A	0	0	0
1 C01	7370	0	20	83355	208	83355	354	F4	8631	7	-6233.60	5938.90-6054.50	4338.50	4338.50	A	0	0	0
1 C01	7371	0	0	0	0	0	0	F4	8632	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3722	0	11	83355	512	83355	1014	F4	8633	7	-6233.90	6002.30-5517.00	2708.30	2708.30	A	0	0	0
1 C01	7372	0	0	0	0	0	0	F4	8634	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3723	0	19	83355	656	83355	1013	F4	8635	7	-6232.40	6003.30-5827.00	1807.60	1807.60	A	0	0	0
1 C01	7373	0	0	0	0	0	0	F4	8636	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3724	0	18	83355	841	83355	1013	F4	8637	7	-6232.30	6005.40-6310.10	6602.60	6602.60	A	0	0	0
1 C01	7374	0	0	0	0	0	0	F4	8638	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3725	0	0	0	0	0	0	F4	8639	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7375	0	0	0	0	0	0	F4	8640	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7384	0	0	0	0	0	0	F4	8641	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3735	0	0	0	0	0	0	F4	8642	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7385	0	0	0	0	0	0	F4	8643	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3736	0	0	0	0	0	0	F4	8644	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7386	0	0	0	0	0	0	F4	8645	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3737	0	0	0	0	0	0	F4	8646	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7387	0	0	0	0	0	0	F4	8647	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3738	0	18	83356	910	83356	2054	F4	8648	8	-6231.30	6005.70-6500.50	8338.20	8338.20	A	0	0	0
1 C01	7388	0	0	0	0	0	0	F4	8649	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3739	0	13	83356	1056	83356	2054	F4	8650	8	-6232.00	6006.40-7026.00	14202.10	14202.10	A	0	0	0
1 C01	7389	0	0	0	0	0	0	F4	8651	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3740	0	12	83356	1245	83356	2053	F4	8652	8	-6233.00	6007.40-7333.30	14915.90	14915.90	A	0	0	0
1 C01	7390	0	0	0	0	0	0	F4	8653	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3741	0	14	83356	1434	83356	2051	F4	8654	8	-6234.40	6007.10-7324.00	7550.50	7550.50	A	0	0	0
1 C01	7391	0	12	83356	1516	83357	126	F4	8655	8	-6232.70	6003.00-5635.20	12549.50	12549.50	A	0	0	0
1 C01	7397	0	0	0	0	0	0	F4	8656	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7398	0	0	0	0	0	0	F4	8657	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3749	0	0	0	0	0	0	F4	8658	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C01	7399	0	0	0	0	0	0	F4	8659	0	0.00	0.00	0.00	0.00	C	0	0	0
1 C02	3750	0	0	0	0	0	0	F4	8660	0	0.00	0.00	0.00	0.00	C	0	0	0
0	0	0	0	0	0	0	0		10000	0	0.00	0.00	0.00	0.00		0	0	0

4	S01	5969	0	0	84142	926	0	0	F1	10001	0	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	5969	0	0	84142	926	0	0	F2	10002	0	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	5969	0	149	84142	926	0	0	F1	10003	0	4122.12	7637.87	0.00	0.00	A	0	0	0
4	S01	5969	0	223	84142	926	0	0	F2	10004	0	4122.33	7652.27	0.00	0.00	A	0	0	0
4	S01	5969	0	14	84142	926	0	0	F4	10005	3	4122.25	7641.28	0.00	0.00	A	0	0	0
4	C02	5815	0	0	84142	1117	0	0	F1	10006	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5815	0	0	84142	1117	0	0	F2	10007	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5815	0	484	84142	1117	0	0	F1	10008	0	4123.02	7650.55	0.00	0.00	A	0	0	0
4	C02	5815	0	0	84142	1117	0	0	F2	10009	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5815	0	12	84142	1117	0	0	F4	10010	3	4122.58	7642.70	0.00	0.00	A	0	0	0
4	C01	9459	0	0	84142	1713	0	0	F1	10011	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	9459	0	0	84142	1713	0	0	F2	10012	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	9459	0	867	84142	1713	0	0	F1	10013	0	4126.60	7656.52	0.00	0.00	A	0	0	0
4	C01	9459	0	0	84142	1713	0	0	F2	10014	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	9459	0	12	84142	1713	0	0	F4	10015	4	0.00	0.00	4121.64	7637.52	B	0	0	0
4	S01	5975	0	0	84142	1906	0	0	F1	10016	0	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	5975	0	0	84142	1906	0	0	F2	10017	0	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	5975	0	129	84142	1906	0	0	F1	10018	0	0.00	0.00	4108.20	7651.74	B	0	0	0
4	S01	5975	0	129	84142	1906	0	0	F2	10019	0	0.00	0.00	4108.20	7651.74	B	0	0	0
4	S01	5975	0	13	84142	1906	0	0	F4	10020	4	0.00	0.00	4117.12	7700.88	B	0	0	0
4	S01	5976	0	0	84142	2046	0	0	F1	10021	0	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	5976	0	0	84142	2046	0	0	F2	10022	0	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	5976	0	341	84142	2046	0	0	F1	10023	0	4124.00	7630.00	0.00	0.00	A	0	0	0
4	S01	5976	0	0	84142	2046	0	0	F2	10024	0	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	5976	0	11	84142	2046	0	0	F4	10025	4	4124.00	7642.00	0.00	0.00	A	0	0	0
4	C02	5822	0	68	84142	2300	0	0	F1	10026	0	3734.95	7404.60	0.00	0.00	A	0	0	0
4	C02	5822	0	0	84142	2300	0	0	F2	10027	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5822	0	864	84142	2300	0	0	F1	10028	0	4122.46	7646.13	0.00	0.00	A	0	0	0
4	C02	5822	0	0	84142	2300	0	0	F2	10029	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5822	0	10	84142	2300	0	0	F4	10030	4	4121.86	7644.33	0.00	0.00	A	0	0	0
4	C02	5823	0	0	84143	46	0	0	F1	10031	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5823	0	0	84143	46	0	0	F2	10032	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5823	0	754	84143	46	0	0	F1	10033	0	4122.97	7640.33	0.00	0.00	A	0	0	0
4	C02	5823	0	0	84143	46	0	0	F2	10034	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5823	0	12	84143	46	0	0	F4	10035	4	4124.00	7636.00	0.00	0.00	A	0	0	0
4	C01	9465	0	505	84143	416	0	0	F1	10036	0	3725.91	7554.86	0.00	0.00	A	0	0	0
4	C01	9465	0	0	84143	416	0	0	F2	10037	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	9465	0	662	84143	416	0	0	F1	10038	0	0.00	0.00	4121.33	7642.12	B	0	0	0
4	C01	9465	0	0	84143	416	0	0	F2	10039	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	9465	0	10	84143	416	0	0	F4	10040	3	4122.81	7641.86	0.00	0.00	A	0	0	0
4	C01	9466	0	0	84143	601	0	0	F1	10041	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	9466	0	0	84143	601	0	0	F2	10042	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	9466	0	0	84143	601	0	0	F1	10043	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	9466	0	0	84143	601	0	0	F2	10044	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C01	9466	0	5	84143	601	0	0	F4	10045	3	0.00	0.00	4124.00	7642.00	B	0	0	0
4	S01	5983	0	383	84143	905	0	0	F1	10046	0	3725.47	7601.83	0.00	0.00	A	0	0	0
4	S01	5983	0	0	84143	905	0	0	F2	10047	0	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	5983	0	293	84143	905	0	0	F1	10048	0	4121.32	7642.00	0.00	0.00	A	0	0	0
4	S01	5983	0	244	84143	905	0	0	F2	10049	0	0.00	0.00	4120.22	7638.83	B	0	0	0
4	S01	5983	0	13	84143	905	0	0	F4	10050	0	4122.37	7642.97	0.00	0.00	A	0	0	0
4	C02	5828	0	654	84143	1000	0	0	F1	10051	0	0.00	0.00	3725.14	7553.84	B	0	0	0
4	C02	5828	0	0	84143	1000	0	0	F2	10052	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5828	0	798	84143	1000	0	0	F1	10053	0	0.00	0.00	4128.24	7638.98	B	0	0	0
4	C02	5828	0	0	84143	1000	0	0	F2	10054	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5828	0	8	84143	1000	0	0	F4	10055	3	4122.96	7642.26	0.00	0.00	A	0	0	0
4	S01	5984	0	175	84143	1044	0	0	F1	10056	0	3726.36	7602.83	0.00	0.00	A	0	0	0
4	S01	5984	0	0	84143	1044	0	0	F2	10057	0	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	5984	0	236	84143	1044	0	0	F1	10058	0	4124.79	7646.01	0.00	0.00	A	0	0	0
4	S01	5984	0	0	84143	1044	0	0	F2	10059	0	0.00	0.00	0.00	0.00	C	0	0	0
4	S01	5984	0	9	84143	1044	0	0	F4	10060	3	4121.86	7641.15	0.00	0.00	A	0	0	0
4	C02	5829	0	423	84143	1145	0	0	F1	10061	0	3732.48	7544.00	0.00	0.00	A	0	0	0
4	C02	5829	0	0	84143	1145	0	0	F2	10062	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5829	0	462	84143	1145	0	0	F1	10063	0	0.00	0.00	4115.16	7645.29	B	0	0	0
4	C02	5829	0	0	84143	1145	0	0	F2	10064	0	0.00	0.00	0.00	0.00	C	0	0	0
4	C02	5829	0	10	84143	1145	0	0	F4	10065	3	4121.11	7642.39	0.00	0.00	A	0	0	0
4	C01	5472	0	0	84143	1603	0	0	F1	10066	0	0.00	0.00	0.00	0.00	C	0	0	0

4 C01	5472	0	0	84143	1603	0	0 F2	10067	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	5472	0	0	84143	1603	0	0 F1	10068	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	5472	0	0	84143	1603	0	0 F2	10069	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	5472	0	9	84143	1603	0	0 F4	10070	4	4113.23	7659.84	0.00	0.00	A	0	0	0
4 C01	9473	0	0	84143	1818	0	0 F1	10071	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9473	0	0	84143	1818	0	0 F2	10072	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9473	0	660	84143	1818	0	0 F1	10073	0	4116.82	7730.40	0.00	0.00	A	0	0	0
4 C01	9473	0	0	84143	1818	0	0 F2	10074	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9473	0	0	84143	1818	0	0 F4	10075	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5989	0	0	84143	1845	0	0 F1	10076	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5989	0	0	84143	1845	0	0 F2	10077	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5989	0	242	84143	1845	0	0 F1	10078	0	4128.06	7632.08	0.00	0.00	A	0	0	0
4 S01	5989	0	167	84143	1845	0	0 F2	10079	0	4131.38	7630.48	0.00	0.00	A	0	0	0
4 S01	5989	0	0	84143	1845	0	0 F4	10080	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5990	0	0	84143	2024	0	0 F1	10081	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5990	0	0	84143	2024	0	0 F2	10082	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5990	0	360	84143	2024	0	0 F1	10083	0	0.00	0.00	4124.33	7631.96	B	0	0	0
4 S01	5990	0	292	84143	2024	0	0 F2	10084	0	4123.28	7634.20	0.00	0.00	A	0	0	0
4 S01	5990	0	0	84143	2024	0	0 F4	10085	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5835	0	0	84143	2144	0	0 F1	10086	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5835	0	0	84143	2144	0	0 F2	10087	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5835	0	585	84143	2144	0	0 F1	10088	0	4124.07	7647.93	0.00	0.00	A	0	0	0
4 C02	5835	0	0	84143	2144	0	0 F2	10089	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5835	0	0	84143	2144	0	0 F4	10090	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5836	0	0	84143	2329	0	0 F1	10091	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5836	0	0	84143	2329	0	0 F2	10092	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5836	0	840	84143	2329	0	0 F1	10093	0	4119.80	7621.18	0.00	0.00	A	0	0	0
4 C02	5836	0	0	84143	2329	0	0 F2	10094	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5836	0	10	84143	2329	0	0 F4	10095	4	4122.02	7642.57	0.00	0.00	A	0	0	0
4 C01	9478	0	0	84144	304	0	0 F1	10096	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9478	0	0	84144	304	0	0 F2	10097	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9478	0	0	84144	304	0	0 F1	10098	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9478	0	0	84144	304	0	0 F2	10099	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9478	0	6	84144	304	0	0 F4	10100	3	4122.63	7642.96	0.00	0.00	A	0	0	0
4 C01	9479	0	0	84144	451	0	0 F1	10101	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9479	0	0	84144	451	0	0 F2	10102	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9479	0	812	84144	451	0	0 F1	10103	0	4123.32	7632.93	0.00	0.00	A	0	0	0
4 C01	9479	0	0	84144	451	0	0 F2	10104	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9479	0	12	84144	451	0	0 F4	10105	3	4122.92	7639.04	0.00	0.00	A	0	0	0
4 C01	9480	0	0	84144	636	0	0 F1	10106	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9480	0	0	84144	636	0	0 F2	10107	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9480	0	507	84144	636	0	0 F1	10108	0	4129.78	7649.74	0.00	0.00	A	0	0	0
4 C01	9480	0	0	84144	636	0	0 F2	10109	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9480	0	1	84144	636	0	0 F4	10110	3	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5841	0	0	84144	842	0	0 F1	10111	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5841	0	0	84144	842	0	0 F2	10112	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5841	0	0	84144	842	0	0 F1	10113	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5841	0	0	84144	842	0	0 F2	10114	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5841	0	9	84144	842	0	0 F4	10115	3	4122.46	7642.55	0.00	0.00	A	0	0	0
4 S01	5997	0	0	84144	843	0	0 F1	10116	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5997	0	0	84144	843	0	0 F2	10117	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5997	0	299	84144	843	0	0 F1	10118	0	4122.69	7642.74	0.00	0.00	A	0	0	0
4 S01	5997	0	0	84144	843	0	0 F2	10119	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5997	0	13	84144	843	0	0 F4	10120	0	4122.83	7643.07	0.00	0.00	A	0	0	0
4 S01	5998	0	0	84144	1023	0	0 F1	10121	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5998	0	0	84144	1023	0	0 F2	10122	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5998	0	285	84144	1023	0	0 F1	10123	0	4123.96	7637.52	0.00	0.00	A	0	0	0
4 S01	5998	0	0	84144	1023	0	0 F2	10124	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5998	0	12	84144	1023	0	0 F4	10125	3	4122.76	7639.27	0.00	0.00	A	0	0	0
4 C02	5842	0	0	84144	1028	0	0 F1	10126	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5842	0	0	84144	1028	0	0 F2	10127	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5842	0	743	84144	1028	0	0 F1	10128	0	0.00	0.00	4120.55	7654.37	B	0	0	0
4 C02	5842	0	0	84144	1028	0	0 F2	10129	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5842	0	9	84144	1028	0	0 F4	10130	3	4122.86	7638.79	0.00	0.00	A	0	0	0
4 C02	5843	0	0	84144	1213	0	0 F1	10131	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5843	0	0	84144	1213	0	0 F2	10132	0	0.00	0.00	0.00	0.00	C	0	0	0

4 C02	5843	0 442	84144	1213	0	0 F1	10133	0	4115.54	7632.72	0.00	0.00	A	0	0	0
4 C02	5843	0 0	84144	1213	0	0 F2	10134	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5843	0 9	84144	1213	0	0 F4	10135	3	4123.37	7642.31	0.00	0.00	A	0	0	0
4 C01	9486	0 0	84144	1638	0	0 F1	10136	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9486	0 0	84144	1638	0	0 F2	10137	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9486	0 0	84144	1638	0	0 F1	10138	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9486	0 0	84144	1638	0	0 F2	10139	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9486	0 8	84144	1638	0	0 F4	10140	4	4121.78	7642.32	0.00	0.00	A	0	0	0
4 C01	9487	0 0	84144	1824	0	0 F1	10141	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9487	0 0	84144	1824	0	0 F2	10142	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9487	0 521	84144	1824	0	0 F1	10143	0	0.00	0.00	4112.59	7627.80	B	0	0	0
4 C01	9487	0 0	84144	1824	0	0 F2	10144	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9487	0 10	84144	1824	0	0 F4	10145	4	4122.06	7643.00	0.00	0.00	A	0	0	0
4 S01	6004	0 0	84144	2003	0	0 F1	10146	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6004	0 0	84144	2003	0	0 F2	10147	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6004	0 378	84144	2003	0	0 F1	10148	0	4123.62	7641.87	0.00	0.00	A	0	0	0
4 S01	6004	0 0	84144	2003	0	0 F2	10149	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6004	0 13	84144	2003	0	0 F4	10150	4	4123.41	7636.52	0.00	0.00	A	0	0	0
4 S01	6005	0 0	84144	2143	0	0 F1	10151	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6005	0 0	84144	2143	0	0 F2	10152	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6005	0 204	84144	2143	0	0 F1	10153	0	4127.57	7634.24	0.00	0.00	A	0	0	0
4 S01	6005	0 89	84144	2143	0	0 F2	10154	0	4147.66	7644.56	0.00	0.00	A	0	0	0
4 S01	6005	0 11	84144	2143	0	0 F4	10155	4	4122.46	7643.96	0.00	0.00	A	0	0	0
4 C02	5850	0 0	84144	2357	0	0 F1	10156	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5850	0 0	84144	2357	0	0 F2	10157	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5850	0 814	84144	2357	0	0 F1	10158	0	4121.58	7632.34	0.00	0.00	A	0	0	0
4 C02	5850	0 0	84144	2357	0	0 F2	10159	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5850	0 13	84144	2357	0	0 F4	10160	4	4121.91	7642.29	0.00	0.00	A	0	0	0
4 C01	9492	0 0	84145	340	0	0 F1	10161	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9492	0 0	84145	340	0	0 F2	10162	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9492	0 677	84145	340	0	0 F1	10163	0	4119.87	7647.82	0.00	0.00	A	0	0	0
4 C01	9492	0 0	84145	340	0	0 F2	10164	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9492	0 11	84145	340	0	0 F4	10165	3	4122.49	7642.29	0.00	0.00	A	0	0	0
4 C01	9493	0 0	84145	526	0	0 F1	10166	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9493	0 0	84145	526	0	0 F2	10167	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9493	0 0	84145	526	0	0 F1	10168	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9493	0 0	84145	526	0	0 F2	10169	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9493	0 8	84145	526	0	0 F4	10170	3	4122.47	7642.70	0.00	0.00	A	0	0	0
4 S01	6011	0 0	84145	811	0	0 F1	10171	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6011	0 0	84145	811	0	0 F2	10172	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6011	0 358	84145	811	0	0 F1	10173	0	0.00	0.00	4121.40	7635.82	B	0	0	0
4 S01	6011	0 216	84145	811	0	0 F2	10174	0	0.00	0.00	4120.19	7627.98	B	0	0	0
4 S01	6011	0 14	84145	811	0	0 F4	10175	3	4123.11	7644.01	0.00	0.00	A	0	0	0
4 C02	5855	0 0	84145	941	0	0 F1	10176	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5855	0 0	84145	941	0	0 F2	10177	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5855	0 0	84145	941	0	0 F1	10178	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5855	0 0	84145	941	0	0 F2	10179	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5855	0 7	84145	941	0	0 F4	10180	3	4122.98	7642.00	0.00	0.00	A	0	0	0
4 S01	6012	0 0	84145	1001	0	0 F1	10181	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6012	0 0	84145	1001	0	0 F2	10182	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6012	0 319	84145	1001	0	0 F1	10183	0	4117.93	7641.67	0.00	0.00	A	0	0	0
4 S01	6012	0 247	84145	1001	0	0 F2	10184	0	4115.04	7641.06	0.00	0.00	A	0	0	0
4 S01	6012	0 12	84145	1001	0	0 F4	10185	3	4122.15	7641.87	0.00	0.00	A	0	0	0
4 C02	5856	0 0	84145	1057	0	0 F1	10186	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5856	0 0	84145	1057	0	0 F2	10187	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5856	0 754	84145	1057	0	0 F1	10188	0	4125.69	7634.34	0.00	0.00	A	0	0	0
4 C02	5856	0 0	84145	1057	0	0 F2	10189	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5856	0 8	84145	1057	0	0 F4	10190	3	4122.67	7642.32	0.00	0.00	A	0	0	0
4 C01	9500	0 0	84145	1713	0	0 F1	10191	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9500	0 0	84145	1713	0	0 F2	10192	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9500	0 253	84145	1713	0	0 F1	10193	0	0.00	0.00	4114.73	7656.59	B	0	0	0
4 C01	9500	0 0	84145	1713	0	0 F2	10194	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9500	0 12	84145	1713	0	0 F4	10195	3	4121.86	7642.30	0.00	0.00	A	0	0	0
4 C01	9501	0 0	84145	1859	0	0 F1	10196	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9501	0 0	84145	1859	0	0 F2	10197	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9501	0 532	84145	1859	0	0 F1	10198	0	4110.06	7614.50	0.00	0.00	A	0	0	0

4 C01	9501	0	0	84145	1859	0	0 F2	10199	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9501	0	5	84145	1859	0	0 F4	10200	4	4114.63	7636.04	0.00	0.00	A	0	0	0
4 S01	6018	0	0	84145	1941	0	0 F1	10201	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6018	0	0	84145	1941	0	0 F2	10202	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6018	0	370	84145	1941	0	0 F1	10203	0	0.00	0.00	4122.87	7632.66	B	0	0	0
4 S01	6018	0	283	84145	1941	0	0 F2	10204	0	0.00	0.00	4117.76	7658.33	B	0	0	0
4 S01	6018	0	11	84145	1941	0	0 F4	10205	4	0.00	0.00	4119.45	7648.01	B	0	0	0
4 S01	6019	0	0	84145	2121	0	0 F1	10206	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6019	0	0	84145	2121	0	0 F2	10207	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6019	0	258	84145	2121	0	0 F1	10208	0	4122.78	7637.69	0.00	0.00	A	0	0	0
4 S01	6019	0	183	84145	2121	0	0 F2	10209	0	4120.72	7638.47	0.00	0.00	A	0	0	0
4 S01	6019	0	12	84145	2121	0	0 F4	10210	4	4120.93	7643.91	0.00	0.00	A	0	0	0
4 C02	5863	0	0	84145	2240	0	0 F1	10211	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5863	0	0	84145	2240	0	0 F2	10212	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5863	0	835	84145	2240	0	0 F1	10213	0	4121.95	7647.79	0.00	0.00	A	0	0	0
4 C02	5863	0	0	84145	2240	0	0 F2	10214	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5863	0	1	84145	2240	0	0 F4	10215	4	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5864	0	0	84146	26	0	0 F1	10216	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5864	0	0	84146	26	0	0 F2	10217	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5864	0	717	84146	26	0	0 F1	10218	0	4122.04	7637.81	0.00	0.00	A	0	0	0
4 C02	5864	0	0	84146	26	0	0 F2	10219	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5864	0	4	84146	26	0	0 F4	10220	4	4122.20	7640.42	0.00	0.00	A	0	0	0
4 C01	9506	0	0	84146	415	0	0 F1	10221	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5969	0	13	84142	926	0	0 F4	10222	0	4122.16	7641.93	0.00	0.00	A	0	0	0
4 C01	9506	0	0	84146	415	0	0 F2	10223	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5815	0	13	84142	1117	0	0 F4	10224	0	4123.03	7638.96	0.00	0.00	A	0	0	0
4 C01	9506	0	848	84146	415	0	0 F1	10225	0	4122.31	7642.37	0.00	0.00	A	0	0	0
4 C01	9459	0	13	84142	1713	0	0 F4	10226	0	4122.28	7643.10	0.00	0.00	A	0	0	0
4 C01	9506	0	0	84146	415	0	0 F2	10227	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5975	0	13	84142	1906	0	0 F4	10228	0	4122.94	7639.09	0.00	0.00	A	0	0	0
4 C01	9506	0	10	84146	415	0	0 F4	10229	3	4122.70	7641.32	0.00	0.00	A	0	0	0
4 S01	5976	0	14	84142	2046	0	0 F4	10230	0	4124.00	7648.00	0.00	0.00	A	0	0	0
4 C01	9507	0	0	84146	601	0	0 F1	10231	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5822	0	12	84142	2300	0	0 F4	10232	0	4121.91	7639.61	0.00	0.00	A	0	0	0
4 C01	9507	0	0	84146	601	0	0 F2	10233	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5823	0	13	84143	46	0	0 F4	10234	0	4124.00	7642.00	0.00	0.00	A	0	0	0
4 C01	9507	0	0	84146	601	0	0 F1	10235	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9465	0	8	84143	416	0	0 F4	10236	0	4122.38	7642.47	0.00	0.00	A	0	0	0
4 C01	9507	0	0	84146	601	0	0 F2	10237	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9466	0	8	84143	601	0	0 F4	10238	0	4124.00	7642.00	0.00	0.00	A	0	0	0
4 C01	9507	0	6	84146	601	0	0 F4	10239	3	4122.01	7642.36	0.00	0.00	A	0	0	0
4 S01	5983	0	11	84143	905	0	0 F4	10240	0	4122.55	7643.94	0.00	0.00	A	0	0	0
4 S01	6025	0	0	84146	800	0	0 F1	10241	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5828	0	10	84143	1000	0	0 F4	10242	0	4122.50	7642.89	0.00	0.00	A	0	0	0
4 S01	6025	0	0	84146	800	0	0 F2	10243	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5984	0	8	84143	1044	0	0 F4	10244	0	4121.46	7639.18	0.00	0.00	A	0	0	0
4 S01	6025	0	284	84146	800	0	0 F1	10245	0	0.00	0.00	4120.20	7621.85	B	0	0	0
4 C02	5829	0	8	84143	1145	0	0 F4	10246	0	4120.38	7640.85	0.00	0.00	A	0	0	0
4 S01	6025	0	201	84146	800	0	0 F2	10247	0	4121.09	7623.76	0.00	0.00	A	0	0	0
4 C01	5472	0	1	84143	1603	0	0 F4	10248	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	6025	0	10	84146	800	0	0 F4	10249	3	4120.30	7642.88	0.00	0.00	A	0	0	0
4 C01	9473	0	11	84143	1748	0	0 F4	10250	0	0.00	0.00	4123.42	7657.92	B	0	0	0
4 S01	6026	0	0	84146	940	0	0 F1	10251	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5989	0	11	84143	1845	0	0 F4	10252	0	4122.45	7640.85	0.00	0.00	A	0	0	0
4 S01	6026	0	0	84146	940	0	0 F2	10253	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5990	0	10	84143	2024	0	0 F4	10254	0	4120.96	7647.32	0.00	0.00	A	0	0	0
4 S01	6026	0	346	84146	940	0	0 F1	10255	0	4123.55	7642.24	0.00	0.00	A	0	0	0
4 C02	5835	0	5	84143	2144	0	0 F4	10256	0	4120.97	7641.98	0.00	0.00	A	0	0	0
4 S01	6026	0	312	84146	940	0	0 F2	10257	0	4122.57	7644.30	0.00	0.00	A	0	0	0
4 C02	5836	0	12	84143	2329	0	0 F4	10258	0	4123.00	7652.67	0.00	0.00	A	0	0	0
4 S01	6026	0	12	84146	940	0	0 F4	10259	0	4122.17	7641.83	0.00	0.00	A	0	0	0
4 S01	9478	0	0	84144	304	0	0 F4	10260	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5869	0	0	84146	940	0	0 F1	10261	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9479	0	9	84144	451	0	0 F4	10262	0	0.00	0.00	4123.14	7637.69	B	0	0	0
4 C02	5869	0	0	84146	940	0	0 F2	10263	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9480	0	1	84144	636	0	0 F4	10264	0	0.00	0.00	0.00	0.00	C	0	0	0

4 C02	5869	0 619	84146	940	0	0 F1	10265	0	4123.25	7641.59	0.00	0.00	A	0	0	0
4 C02	5841	0 4	84144	842	0	0 F4	10266	0	4122.18	7641.31	0.00	0.00	A	0	0	0
4 C02	5869	0 0	84146	940	0	0 F2	10267	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5997	0 12	84144	843	0	0 F4	10268	0	4122.73	7642.80	0.00	0.00	A	0	0	0
4 C02	5870	0 0	84146	1125	0	0 F1	10269	0	0.00	0.00	0.00	0.00	C	0	0	0
4 S01	5998	0 13	84144	1023	0	0 F4	10270	0	4122.92	7639.46	0.00	0.00	A	0	0	0
4 C02	5870	0 0	84146	1125	0	0 F2	10271	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C02	5842	0 11	84144	1028	0	0 F4	10272	0	0.00	0.00	4122.74	7639.90	B	0	0	0
4 C02	5870	0 710	84146	1125	0	0 F1	10273	0	4125.91	7635.74	0.00	0.00	A	0	0	0
4 C02	5843	0 9	84144	1213	0	0 F4	10274	0	4121.82	7642.88	0.00	0.00	A	0	0	0
4 C02	5870	0 0	84146	1125	0	0 F2	10275	0	0.00	0.00	0.00	0.00	C	0	0	0
4 C01	9486	0 4	84144	1638	0	0 F4	10276	0	4121.54	7641.65	0.00	0.00	A	0	0	0
4 C02	5870	0 12	84146	1125	0	0 F4	10277	0	4122.64	7642.12	0.00	0.00	A	0	0	0
4 C01	9487	0 10	84144	1824	0	0 F4	10278	0	4122.07	7642.11	0.00	0.00	A	0	0	0
4 C02	5829	0 10	84146	940	0	0 F4	10279	0	4122.82	7641.59	0.00	0.00	A	0	0	0
4 S01	6004	0 15	84144	2003	0	0 F4	10280	0	4123.65	7634.29	0.00	0.00	A	0	0	0
4 S01	6005	0 10	84144	2143	0	0 F4	10281	0	4121.58	7644.18	0.00	0.00	A	0	0	0
4 C02	5850	0 15	84144	2357	0	0 F4	10282	0	4122.25	7642.89	0.00	0.00	A	0	0	0
4 C01	9492	0 8	84145	340	0	0 F4	10283	0	4122.79	7641.87	0.00	0.00	A	0	0	0
4 C01	9493	0 10	84145	526	0	0 F4	10284	0	4122.55	7642.77	0.00	0.00	A	0	0	0
4 S01	6011	0 12	84145	811	0	0 F4	10285	0	4123.06	7644.33	0.00	0.00	A	0	0	0
4 C02	5855	0 9	84145	941	0	0 F4	10286	0	4122.57	7642.27	0.00	0.00	A	0	0	0
4 S01	6012	0 11	84145	1001	0	0 F4	10287	0	4121.93	7640.39	0.00	0.00	A	0	0	0
4 C02	5856	0 12	84145	1057	0	0 F4	10288	0	4122.86	7641.10	0.00	0.00	A	0	0	0
4 C01	9500	0 12	84145	1713	0	0 F4	10289	0	4122.10	7640.40	0.00	0.00	A	0	0	0
4 C01	9501	0 4	84145	1859	0	0 F4	10290	0	0.00	0.00	4121.70	7646.37	B	0	0	0
4 S01	6018	0 15	84145	1941	0	0 F4	10291	0	4122.34	7640.82	0.00	0.00	A	0	0	0
4 S01	6019	0 12	84145	2121	0	0 F4	10292	0	4121.66	7644.20	0.00	0.00	A	0	0	0
4 C02	5863	0 14	84145	2240	0	0 F4	10293	0	4122.06	7640.71	0.00	0.00	A	0	0	0
4 C02	5864	0 13	84145	26	0	0 F4	10294	0	4121.95	7643.44	0.00	0.00	A	0	0	0
4 C01	9506	0 6	84146	415	0	0 F4	10295	0	4123.09	7638.79	0.00	0.00	A	0	0	0
4 C01	9507	0 7	84146	601	0	0 F4	10296	0	4122.76	7641.75	0.00	0.00	A	0	0	0
4 S01	6025	0 12	84146	800	0	0 F4	10297	0	4120.36	7643.98	0.00	0.00	A	0	0	0
4 S01	6026	0 13	84146	940	0	0 F4	10298	0	4121.55	7639.31	0.00	0.00	A	0	0	0
4 C02	5869	0 9	84146	940	0	0 F4	10299	0	4122.22	7643.63	0.00	0.00	A	0	0	0
4 C02	5870	0 10	84146	1125	0	0 F4	10300	0	4124.80	7630.15	0.00	0.00	A	0	0	0

SECTION 2.
BASELINE DATA ANALYSIS

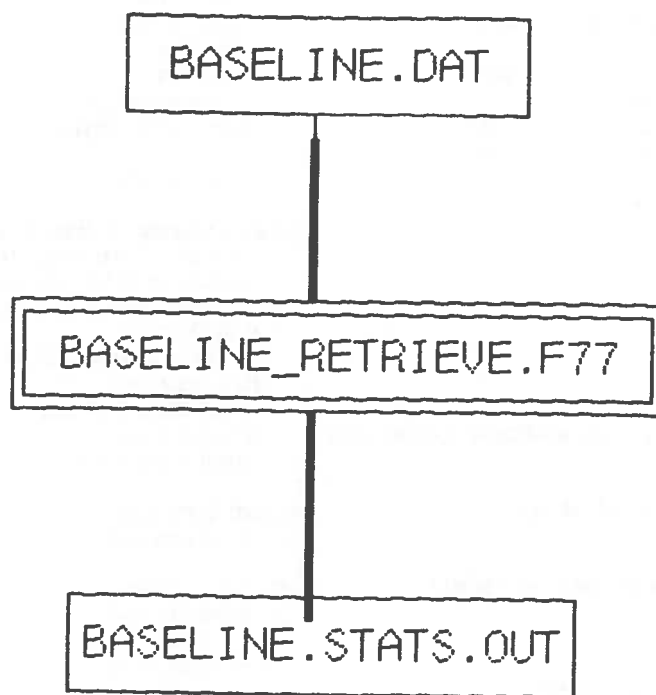


FIGURE 2-1. BASELINE DATA ANALYSIS

SLIST BASELINE_RETRIEVE.F77

```
IMPLICIT INTEGER(A-Z)
CHARACTER VA,PN,CPN,FAI
REAL TS,TSORT
CHARACTER DUMMY*132
CHARACTER*14 ONE(S3)
DIMENSION X(53,6)
DATA ONE/'NUM OF VESS','CASES: ACFT','FEB80....JAN81',
*'FEB81....JAN82','FEB82....JAN83',' TOT',
*'LIVES SAVED ',
*'AV NTF CASES',
*'TIME: AVG','PLAN CASES','TIME: TOT',
*' AVG','NUM OF HHS2',
*'SEARCHES: HHS5',' HC130',' HV25',
*' BOATS',
*' CUTTERS',' OTHER','TOTAL HHS2',
*'SEARCH HHS5',
*'TIMES: HC130',' HV25',' BOATS',
*' CUTTERS',' OTHER',
*'NUM OF HHS2',
*'SORTIE: HHS5',' HC130',' HV25',
*' BOATS',
*' CUTTERS',' OTHER','TOTAL HHS2',
*'SORTIE HHS5',
*'TIMES: HC130',' HV25',' BOATS',
*' CUTTERS',' OTHER',
*'DISTRICT: 01',' 03',' 05',
*' 07',' 08',' 09',
*' 11',' 12',
*' 13',' 14',
*' 20',' 21'
DO 10 I=1,53
DO 10 J=1,6
10 X(I,J) = 0
TNOT = 0
PTSAVE = 10000000
YROLD = 8
C
PRINT *,'ENTER P FOR POSITIVE OR N FOR NONNEGATIVE PLANNING TIMES'
READ(1,11)PN
11 FORMAT(A1)
PRINT *,'ENTER START AND STOP MONTHS (MM MM):'
READ(1,12)STARTMO,STOPMO
12 FORMAT(I2,1X,I2)
PRINT*,' ENTER (F) FOR FALSE ALARMS ONLY, (A) FOR ALL'
READ(1,11)FAI
C
IF(FAI.EQ.'A')
*OPEN(UNIT=5,FILE='BASELINE.DAT',STATUS='OLD')
IF(FAI.EQ.'F')
*OPEN(UNIT=5,FILE='BASELINE_FA.DAT',STATUS='OLD')
OPEN(UNIT=6,FILE='BASELINE_STATS.OUT',STATUS='NEW')
C
C
READ(5,555)DUMMY
READ(5,555) DUMMY
1 READ(5,500,END=1000)CGD,UCN,MUCN,MO,YR,LOC,SEV,CAUSE,
*VA,NOT,PTH,PTH,TS,RTYPE,LS,TSORT
500 FORMAT(I6,I7,I7,I5,I1,2X,I2,I5,I6,23X,A1,4X,I2,1X,I5,
*1X,I3,F8.1,4X,I2,2X,I2,2X,F4.1)
IF(MO.LT.STARTMO,OR,MO.GT.STOPMO)GO TO 1
IF(YR.GT.3)GO TO 1
KOUNT = KOUNT + 1
C
IF(KOUNT.LT.10)
WRITE(1,500)CGD,UCN,MUCN,MO,YR,LOC,SEV,CAUSE,
*VA,NOT,PTH,PTH,TS,RTYPE,LS,TSORT
```

```
C
CLASSIFY AS DISTRESS, NON-DISTRESS TRUE OR FALSE ALARM, OR NOT LOC FA
IF(SEV.GE.2)THEN
J=1
ELSE
IF(LOC.GT.0)THEN
IF(CAUSE.GT.0)J=2
IF(CAUSE.EQ.0)J=3
ELSE
IF(CAUSE.EQ.0)J=4
IF(CAUSE.GT.0)J=5
END IF
END IF
C
C DETERMINE IF NEW CASE(SN = SORTIE NUMBER = 1)
IF(MUCN.NE.MUCNOLD,OR,MUCN.EQ.0,AND,UCN.NE,UCNOLD
*.OR,MO.NE,MOOLD,OR,YR.NE,YROLD)THEN
SN=1
PT=10000000
ELSE
SN=SN+1
END IF
UCNOLD = UCN
MUCNOLD = MUCN
MOOLD = MO
YROLD = YR
ET = IFIX(TS*60.)
SORTT = IFIX(TSORT*60.)
C
IF(SN.EQ.1)THEN
C
CALCULATE BREAKDOWN OF CASES BY V/A, YR, TOTAL
IF(VA.EQ.'V')X(1,J)=X(1,J)+1
IF(VA.EQ.'A')X(2,J)=X(2,J)+1
IF((YR.EQ.0,AND,MO.GE.2),OR,(YR.EQ.1,AND,MO.EQ.1))
*X(3,J)=X(3,J)+1
IF((YR.EQ.1,AND,MO.GE.2),OR,(YR.EQ.2,AND,MO.EQ.1))
*X(4,J)=X(4,J)+1
IF((YR.EQ.2,AND,MO.GE.2),OR,(YR.EQ.3,AND,MO.EQ.1))
*X(5,J)=X(5,J)+1
X(6,J) = X(6,J) + 1
C
CALCULATE LIVES SAVED
X(7,J)=X(7,J)+LS
C
C ADD CASE TO DISTRICT
IF(CGD.EQ.1)I=41
IF(CGD.EQ.3)I=42
IF(CGD.EQ.5)I=43
IF(CGD.EQ.7)I=44
IF(CGD.EQ.8)I=45
IF(CGD.EQ.9)I=46
IF(CGD.EQ.11)I=47
IF(CGD.EQ.12)I=48
IF(CGD.EQ.13)I=49
IF(CGD.EQ.14)I=50
IF(CGD.EQ.17)I=51
IF(CGD.EQ.20)I=52
IF(CGD.EQ.21)I=53
X(I,J) = X(I,J) + 1
CALCULATE NOTIFICATION TIME
IF(NOT.LT.99,AND,NOT.GT.0)THEN
C THE LINE ABOVE REMOVES ZERO NOTIFICATION TIMES
X(8,J) = X(8,J) + 1
X(9,J) = X(9,J) ÷ NOT*6
END IF
C STORE PLANNING TIME FROM PREVIOUS CASE
```

```

IF(PTSAVE.LT.10000000)X(11,JSAVE) = X(11,JSAVE) + PPSAVE
PPSAVE = 10000000
C
END IF
C
CALCULATE PLANNING TIME, SAVE
IF(PN.EQ.'P')THEN
IF((PTH.GT.0.OR.PTH.GT.0).AND.RTYPE.NE.75.AND.RTYPE.NE.77
*.AND.RTYPE.NE.93.AND.RTYPE.NE.97)THEN
IF(PT.EQ.10000000)X(10,J) = X(10,J) + 1
XPT = PTH*60 + PTM
PT = MINO(PT,XPT)
JSAVE = J
PPSAVE = PT
END IF
END IF
IF(PN.EQ.'N')THEN
IF(PTH.GE.0.AND.PTH.GE.0.AND.RTYPE.NE.75.AND.RTYPE.NE.77)THEN
IF(PT.EQ.10000000)X(10,J) = X(10,J) + 1
XPT = PTH*60 + PTM
PT = MINO(PT,XPT)
JSAVE = J
PPSAVE = PT
END IF
END IF
C
CALCULATE SEARCH TIMES
IF(RTYPE.LE.71.OR.RTYPE.GE.80.AND.RTYPE.LE.92)THEN
I = 19
IF(RTYPE.EQ.25)I = 13
IF(RTYPE.EQ.26)I = 14
IF(RTYPE.EQ.21.OR.RTYPE.EQ.22)I = 15
IF(RTYPE.EQ.24)I = 16
IF(RTYPE.GE.30.AND.RTYPE.LE.39)I = 17
IF(RTYPE.GE.41.AND.RTYPE.LE.46)I = 18
IF(ST.GT.0)THEN
X(I,J) = X(I,J) + 1
X(I+7,J) = X(I+7,J) + ST
END IF
C
CALCULATE SORTIE TIMES
IF(SORTT.GT.0.0)THEN
X(I+14,J)=X(I+14,J)+1
X(I+21,J)=X(I+21,J)+SORTT
END IF
C
END IF
C
GO TO 1
C
1000 CONTINUE
C STORE PLANNING TIME FROM LAST CASE
IF(PTSAVE.LT.10000000)X(11,JSAVE)=X(11,JSAVE)+PPSAVE
DO 1002 I=1,53
DO 1002 J=1,5
1002 X(I,6) = X(I,6) + X(I,J)
DO 1001 J=1,6
IF(X(8,J).NE.0)X(9,J)=X(9,J)/X(8,J)
IF(X(10,J).NE.0)X(12,J)=X(11,J)/X(10,J)
1001 CONTINUE
C DIVISION BY 6 FOR I ROW
DO 1004 I=1,53
DO 1006 J= 1,6
1006 IF(I.EQ.9.OR.I.EQ.11.OR.I.EQ.12.OR.
* I.GE.20.AND.I.LE.26.OR.I.GE.34.AND.
* I.LE.40) X(I,J)=X(I,J)/6
1004 CONTINUE
WRITE(6,590)
WRITE(6,594)
590 FORMAT(26X,'BASELINE STATISTICS',/)
592 FORMAT(30X,'NON-DISTRESS-- NOT LOCATED--')
594 FORMAT(18X,'DISTRESS TRUE FA FA OTHER',
*6X,'TOT')
DO 1010 I = 1,53
WRITE(6,600) ONE(I),(X(I,J),J=1,6)
IF(I.EQ.2.OR.I.EQ.6.OR.I.EQ.7.OR.I.EQ.9.OR.I.EQ.12.OR.
*I.EQ.19.OR.I.EQ.26.OR.I.EQ.33.OR.I.EQ.40) WRITE(6,610)
610 FORMAT(' ')
C 1020 CONTINUE
1010 CONTINUE
600 FORMAT(A14,6I10)
555 FORMAT(A132)
WRITE(6,700)
700 FORMAT('NOTE: ALL TIMES IN TENTHS OF HRS')
IF(PN.EQ.'P') WRITE(6,703)
IF(PN.EQ.'N') WRITE(6,706)
703 FORMAT('POSITIVE PLANNING TIMES')
706 FORMAT('NONNEGATIVE PLANNING TIMES')
CLOSE(UNIT=6)
CLOSE(UNIT=5)
END
OK,

```

OK, SLIST BASELINE.DAT

DS	UCN	MUCN	MHY	NAT	DIS	MTH	ACT	SEV	FA	CAUSE	-ER	OWN	PRO	V	NOTIF	PLAN	TIME	SRCH	RES	SORT	
			INC	OSH	LOC							USAGE	PUL	A	TIME	HR	MM	HRS	TYPE	LS	TIME
1	262	0	80	11	2	0	2	1	9	2	6	4	V	99	0	0	0	0.0	30	0	1.4
3	64	0	30	11	29	0	0	0	0	1	29	0	A	0	0	0	0.5	25	0	0.5	
3	64	0	30	11	29	0	0	0	0	1	29	0	A	0	0	0	0.7	25	0	0.7	
3	157	0	60	11	1	1	1	1	2	2	6	5	V	99	0	0	0.0	91	0	0.4	
3	170	0	80	61	3	2	1	1	5	2	6	4	V	0	0	0	0.0	31	0	2.6	
3	170	0	80	61	3	2	1	1	5	2	6	4	V	0	0	0	0.0	37	0	0.6	
3	205	0	80	11	29	0	6	0	0	3	29	0	A	0	0	0	0.5	25	0	0.5	
3	238	0	80	61	5	1	0	0	1	2	6	1	V	0	0	0	0.3	37	0	0.5	
3	240	0	90	11	99	2	0	0	0	0	0	0	V	99	0	0	0.2	25	0	0.3	
3	268	0	90	11	3	1	2	2	5	2	6	4	V	0	0	0	0.0	31	2	1.1	
5	10	0	100	11	99	6	6	0	0	0	0	0	V	99	0	7	1.0	21	0	3.3	
5	10	0	100	11	99	6	6	0	0	0	0	0	V	99	0	7	1.1	21	0	3.6	
5	11	0	100	11	99	6	0	0	0	0	0	0	V	0	0	10	0.1	21	0	2.5	
5	26	0	100	11	99	0	6	0	0	0	0	0	A	0	0	0	0.2	21	0	0.5	
5	65	0	110	11	99	0	0	0	0	0	0	0	A	0	0	0	1.0	21	0	1.8	
5	75	0	110	61	9	8	6	3	8	1	2	4	V	0	0	5	0.0	21	3	1.8	
5	75	0	110	61	9	8	6	3	8	1	2	4	V	0	0	5	0.6	21	3	0.6	
5	75	0	110	61	9	8	6	3	8	1	2	4	V	0	0	5	0.6	21	3	0.6	
5	75	0	110	61	9	8	6	3	8	1	2	4	V	0	0	5	1.3	21	3	1.7	
5	85	0	120	11	29	0	6	2	9	2	23	0	A	0	0	0	0.9	26	0	1.1	
5	95	0	120	11	29	0	0	0	9	2	29	0	A	99	0	0	0.9	26	0	1.6	
5	119	0	80	11	2	1	1	0	8	2	6	1	V	99	0	0	0.0	11	0	0.5	
5	120	0	80	11	3	1	1	0	8	2	6	5	V	99	0	0	0.0	32	0	2.7	
5	158	0	30	11	29	0	6	0	0	3	29	0	A	0	0	0	0.4	26	0	1.0	
5	319	0	70	61	99	8	0	0	0	0	0	0	V	99	0	15	0.2	21	0	2.5	
5	360	0	80	11	99	0	0	0	0	0	0	0	A	99	0	0	1.0	21	0	2.3	
5	362	0	80	11	99	0	5	0	0	0	0	0	A	0	0	5	0.1	26	0	0.1	
5	369	0	80	11	99	0	5	0	0	0	0	0	A	99	0	0	0.2	26	0	0.6	
5	391	0	80	11	99	0	6	0	0	0	0	0	A	99	0	0	0.2	26	0	0.2	
5	405	0	90	11	99	0	0	0	0	0	0	0	A	0	0	0	0.3	21	0	0.3	
5	405	0	90	11	99	0	0	0	0	0	0	0	A	0	0	0	0.8	21	0	0.8	
5	405	0	90	11	99	0	0	0	0	0	0	0	A	0	0	0	1.3	26	0	1.6	
7	6	0	100	61	99	0	0	0	0	0	0	0	A	1	0	0	0.3	25	0	0.4	
7	58	0	110	11	99	0	0	0	0	0	0	0	A	0	0	5	1.0	22	0	1.4	
7	72	0	110	11	99	0	0	0	0	0	0	0	A	99	0	30	0.8	22	0	1.2	
7	72	0	110	11	99	0	0	0	0	0	0	0	A	99	0	30	0.9	25	0	2.9	
7	128	0	60	61	99	7	0	0	0	0	0	0	V	99	0	40	1.2	26	0	1.3	
7	202	0	20	11	1	1	2	1	5	2	6	4	V	99	0	0	0.0	32	0	0.5	
7	211	0	20	11	9	6	6	0	9	2	9	1	V	99	0	0	0.0	22	0	3.7	
7	211	0	20	11	9	6	6	0	9	2	9	1	V	99	0	0	0.2	25	0	2.6	
7	211	0	20	11	9	6	6	0	9	2	9	1	V	99	0	0	1.1	22	0	2.1	
7	376	0	50	11	1	2	2	1	3	2	6	1	V	0	0	0	0.0	30	0	1.3	
7	440	0	50	11	2	0	6	0	6	6	6	4	V	99	0	0	0.5	22	0	1.3	
7	569	0	70	11	29	0	0	0	9	2	23	0	A	99	0	0	0.7	22	0	0.7	
8	2	0	100	61	99	7	0	0	0	0	0	0	V	99	0	15	1.0	22	0	3.0	
8	6	0	100	11	99	0	6	0	0	0	0	0	A	0	0	0	0.5	25	0	0.8	
8	7	0	100	11	99	5	0	0	0	0	0	0	V	1	0	38	0.4	22	0	1.8	
8	10	0	100	11	26	0	6	0	0	2	23	0	A	99	0	0	0.2	25	0	0.2	
8	13	0	100	11	99	5	0	0	0	0	0	0	V	1	0	25	0.0	22	0	1.3	
8	16	0	110	11	99	0	6	0	0	0	0	0	A	99	0	0	0.6	25	0	0.8	
8	21	0	110	11	9	2	6	0	0	1	4	1	V	0	0	0	0.0	25	0	0.1	
8	21	0	110	11	9	2	6	0	0	1	4	1	V	0	0	0	0.3	25	0	0.4	
8	23	0	110	11	99	0	0	0	0	0	0	0	A	0	0	0	0.1	25	0	0.5	
8	28	0	120	11	29	0	6	0	0	0	29	0	A	0	0	0	0.0	25	0	0.5	
8	30	0	100	11	99	5	0	0	0	0	0	0	V	3	0	20	2.5	22	0	4.5	
8	51	0	100	11	29	0	5	0	0	1	21	0	A	0	0	0	0.1	26	0	0.5	
8	58	0	20	11	29	0	13	1	0	1	29	0	A	99	1	2	0.2	22	0	2.6	
8	74	0	20	11	99	0	0	0	0	0	0	0	A	99	0	0	0.3	25	0	0.4	
8	78	0	20	11	99	0	0	0	0	0	0	0	A	99	0	0	0.3	25	0	0.7	
8	90	0	30	11	29	0	0	0	0	2	23	0	A	99	0	0	0.5	25	0	1.8	
8	101	0	30	11	99	0	6	0	0	0	0	0	A	99	0	0	0.7	25	0	0.8	
8	105	0	30	11	99	0	6	0	0	0	0	0	A	99	0	0	0.2	25	0	0.2	

8	105	0	80	11	99	0	6	0	0	0	0	A	0	0: 0	0.2	21	0	0.3
8	106	0	20	61	99	6	0	0	0	0	0	V	90	0: 0	1.9	22	0	3.6
8	114	0	20	11	99	0	0	0	0	0	0	A	99	0: 0	0.3	22	0	2.1
8	144	0	80	61	99	6	0	0	0	0	0	V	99	0: 25	2.0	22	0	4.3
8	154	0	60	11	99	0	6	0	0	0	0	A	99	0: 0	0.4	25	0	0.4
8	160	0	80	11	99	0	0	0	0	0	0	A	1	0: 0	0.5	26	0	0.8
8	161	0	30	11	99	2	0	0	0	0	0	V	1	0: 0	2.0	22	0	4.3
8	200	0	50	11	9	1	5	1	5	1	5	V	99	0: 0	0.2	25	0	0.7
8	224	0	80	11	29	0	13	0	0	2	23	A	99	0: 0	0.3	25	0	0.3
8	246	0	90	11	26	0	6	0	0	2	23	A	0	0: 0	0.4	25	0	0.7
8	250	0	90	11	99	1	0	0	0	0	0	V	1	0: 0	0.1	25	0	0.3
8	353	0	60	61	99	1	0	0	0	0	0	V	99	0: 0	0.0	26	0	0.1
9	17	0	110	11	29	0	6	0	5	2	23	A	0	0: 0	0.1	25	0	0.3
9	26	0	100	61	99	3	0	0	0	0	0	V	0	0: 0	0.6	30	0	0.9
11	11	0	100	11	99	0	0	0	0	0	0	A	1	0: 0	0.8	26	0	0.8
11	223	0	60	11	1	3	1	1	2	2	6	V	0	0: 10	0.1	30	0	3.8
12	59	0	60	11	99	0	6	0	0	0	0	A	10	0: 0	0.2	21	0	0.5
12	103	0	80	61	1	9	1	2	8	2	6	V	99	0: 0	0.0	75	5	19.0
12	103	0	80	61	1	9	1	2	8	2	6	V	99	0: 0	0.0	89	5	99.9
12	103	0	80	61	1	9	1	2	8	2	6	V	99	0: 0	0.3	77	5	19.0
12	103	0	80	61	1	9	1	2	8	2	6	V	99	0: 0	2.7	82	5	4.5
12	103	0	80	61	1	9	1	2	8	2	6	V	99	0: 0	3.6	82	5	6.0
13	53	0	50	61	1	0	1	2	2	2	6	V	0	0: 0	0.0	33	0	0.2
13	134	0	30	11	29	0	13	0	9	2	21	A	15	0: 0	0.1	25	0	0.3
13	134	0	30	11	29	0	13	0	9	2	21	A	15	0: 0	0.4	25	0	0.5
14	36	0	110	11	1	2	5	1	2	1	4	V	50	2: 4	2.3	21	0	3.2
14	41	0	120	61	99	0	13	1	0	0	0	A	3	0: -10	0.2	25	0	0.3
14	118	0	20	11	99	0	0	0	0	0	0	A	0	0: 0	0.3	25	0	0.3
14	121	0	20	61	99	0	6	0	0	0	0	A	99	1: 50	1.1	21	0	1.2
14	122	0	20	61	99	2	0	0	0	0	0	V	99	0: 9	1.4	21	0	1.5
14	124	0	20	61	99	1	6	0	0	0	0	V	99	2: 30	0.5	25	0	0.7
14	126	0	20	61	99	4	0	0	0	0	0	V	99	2: 18	1.6	21	0	1.6
14	131	0	30	61	99	2	6	0	0	0	0	V	99	0: 16	0.5	25	0	0.9
14	147	0	30	11	99	0	6	0	0	0	0	A	0	0: 0	1.0	71	0	1.0
14	160	0	40	11	99	0	6	0	0	0	0	A	99	0: 0	0.4	21	0	0.4
14	160	0	40	11	99	0	6	0	0	0	0	A	99	0: 0	1.4	25	0	1.8
14	222	0	70	61	99	0	0	0	0	0	0	A	99	0: 3	0.0	21	0	0.3
14	222	0	70	61	99	0	0	0	0	0	0	A	99	0: 3	2.4	25	0	3.8
14	223	0	70	61	1	6	6	1	2	2	4	V	99	0: 4	0.1	21	0	3.1
14	223	0	70	61	1	6	6	1	2	2	4	V	99	0: 4	1.0	21	0	5.0
14	244	0	70	61	99	3	5	0	0	0	0	V	99	0: 3	1.6	21	0	1.6
14	265	0	80	61	26	0	2	1	3	4	29	A	2	0: 7	0.1	25	0	2.6
17	15	0	100	11	99	1	0	0	0	0	0	V	99	0: 0	0.2	26	0	0.2
17	126	0	60	11	99	0	5	0	0	0	0	A	99	0: 0	0.3	26	0	2.5
17	156	0	80	11	22	0	2	3	5	1	21	A	5	0: 0	0.0	26	2	0.7
20	24	0	50	61	3	9	2	3	1	2	6	V	99	0: 0	0.0	17	1	99.9
20	24	0	50	61	3	9	2	3	1	2	6	V	99	0: 0	0.0	75	1	11.0
3	21	23	100	61	29	1	1	0	0	1	21	A	99	25: 8	0.5	30	0	0.8
3	23	23	100	61	29	1	1	0	0	1	21	A	99	0: 45	0.4	33	0	0.5
3	23	23	100	61	29	1	1	0	0	1	21	A	99	0: 45	0.6	30	0	1.0
1	13	67	110	61	99	5	13	0	0	0	0	V	90	11: 48	0.0	43	0	4.9
1	54	67	110	61	99	5	13	0	0	0	0	V	90	0: 23	1.1	26	0	3.1
1	54	67	110	61	99	5	13	0	0	0	0	V	90	0: 23	3.5	26	0	5.5
12	14	71	110	61	99	0	0	0	0	0	0	A	0	0: 0	0.0	77	0	3.7
12	32	71	110	61	99	0	0	0	0	0	0	A	0	0: -16	2.0	21	0	3.5
12	22	96	120	11	74	9	2	2	9	7	97	V	99	0: 0	0.0	75	0	97.0
12	22	96	120	11	74	9	2	2	9	7	97	V	99	0: 0	0.0	77	0	98.2
12	43	96	120	11	74	9	2	2	9	7	97	V	99	1: 1	0.0	21	0	12.5
12	43	96	120	11	74	9	2	2	9	7	97	V	99	1: 1	0.0	21	0	8.3
12	43	96	120	11	74	9	2	2	9	7	97	V	99	1: 1	1.3	21	0	10.3
12	43	96	120	11	74	9	2	2	9	7	97	V	99	1: 1	3.6	21	0	9.6
1	6	131	20	11	1	3	11	1	2	2	4	V	0	0: 30	2.0	43	0	10.7
1	37	131	20	11	1	3	11	1	2	2	4	V	0	0: 0	0.0	33	0	2.1
17	143	148	70	61	99	3	0	0	0	0	0	V	0	2: 35	1.0	26	0	2.0
17	143	148	70	61	99	3	0	0	0	0	0	V	0	2: 35	2.0	26	0	4.0
17	164	148	70	61	99	3	0	0	0	0	0	V	0	0: 0	0.0	77	0	10.1

12	45	246	50	11	99	2	0	0	0	0	0	0	V	0	0: 20	0.5	21	0	0.5
12	69	246	50	11	99	2	0	0	0	0	0	0	V	0	0: 0	0.0	75	0	0.9
12	69	246	50	11	99	2	0	0	0	0	0	0	V	0	0: 0	0.0	77	0	0.9
12	158	246	50	11	99	2	0	0	0	0	0	0	V	0	0: -5	0.4	25	0	0.4
12	57	298	60	11	1	6	12	1	2	2	6	5	V	0	0: 15	0.0	21	0	0.2
12	57	298	60	11	1	6	12	1	2	2	6	5	V	0	0: 15	1.4	21	0	2.5
12	80	298	60	11	1	6	12	1	2	2	6	5	V	0	0: 0	0.0	75	0	15.4
12	80	298	60	11	1	6	12	1	2	2	6	5	V	0	0: 0	0.0	77	0	15.4
12	52	299	60	11	99	0	0	0	0	0	0	0	A	99	1: 0	0.0	21	0	0.4
12	221	299	60	11	99	0	0	0	0	0	0	0	A	99	0: 0	0.0	77	0	1.8
8	79	325	20	11	99	1	6	0	0	0	0	0	A	5	0: 25	0.1	11	0	2.3
8	213	325	20	11	99	1	6	0	0	0	0	0	V	5	0: -7	0.1	26	0	0.5
1	180	330	70	11	99	2	6	0	0	0	0	0	V	0	0: 16	0.1	31	0	0.8
1	258	330	70	11	99	2	6	0	0	0	0	0	V	0	0: -44	0.5	26	0	0.7
12	66	352	70	61	99	5	0	0	0	0	0	0	V	0	0: 48	2.9	21	0	7.8
12	94	352	70	61	99	5	0	0	0	0	0	0	V	0	0: 0	0.0	77	0	3.7
12	94	352	70	61	99	5	0	0	0	0	0	0	V	0	0: 0	1.9	82	0	2.0
8	63	378	30	61	99	3	5	0	0	0	0	0	V	4	6: 37	0.4	30	0	2.2
8	99	378	30	61	99	3	5	0	0	0	0	0	V	4	0: 0	0.4	25	0	0.8
8	99	378	30	61	99	3	5	0	0	0	0	0	V	4	0: 0	1.1	25	0	1.8
8	145	378	30	61	99	3	5	0	0	0	0	0	V	4	28: 52	0.4	22	0	0.9
12	72	404	80	61	5	9	11	2	1	2	2	5	V	0	3: 32	0.2	21	2	2.3
12	72	404	80	61	5	9	11	2	1	2	2	5	V	0	3: 32	1.0	21	2	6.1
12	72	404	80	61	5	9	11	2	1	2	2	5	V	0	3: 32	2.0	21	2	5.7
12	109	404	80	61	5	9	11	2	1	2	2	5	V	0	0: 0	0.0	17	2	2.0
12	109	404	80	61	5	9	11	2	1	2	2	5	V	0	0: 0	0.0	75	2	99.9
12	109	404	80	61	5	9	11	2	1	2	2	5	V	0	0: 0	0.0	77	2	99.9
12	76	407	90	61	99	1	0	0	0	0	0	0	V	0	1: 9	3.7	21	0	4.5
12	112	407	90	61	99	1	0	0	0	0	0	0	V	0	0: 0	0.0	75	0	8.9
12	112	407	90	61	99	1	0	0	0	0	0	0	V	0	0: 0	0.0	77	0	8.9
12	112	407	90	61	99	1	0	0	0	0	0	0	V	0	0: 0	0.5	84	0	0.7
12	241	407	90	61	99	1	0	0	0	0	0	0	V	0	3: 48	1.4	25	0	1.4
8	119	441	40	11	99	4	6	1	0	0	0	0	V	99	27: 35	0.3	25	0	2.0
8	180	441	40	11	99	4	6	1	0	0	0	0	V	99	0: 0	0.2	22	0	0.3
8	180	441	40	11	99	4	6	1	0	0	0	0	V	99	0: 0	0.3	22	0	0.4
8	152	552	60	61	99	1	5	0	0	0	0	0	V	99	0: 0	0.3	25	0	0.7
8	152	552	60	61	99	1	5	0	0	0	0	0	V	99	0: 0	0.9	25	0	1.4
8	520	552	60	61	99	1	5	0	0	0	0	0	V	99	2: 28	0.3	30	0	1.0
7	127	1018	90	11	5	4	6	3	9	2	6	1	V	0	6: 0	0.3	26	1	3.0
7	263	1018	90	11	5	4	6	3	9	2	6	1	V	0	6: 21	0.2	26	1	1.8
7	675	1018	90	11	5	4	6	3	9	2	6	1	V	0	6: 4	0.4	25	1	1.0
7	675	1018	90	11	5	4	6	3	9	2	6	1	V	0	6: 4	3.2	22	1	3.2
7	676	1018	90	11	5	4	6	3	9	2	6	1	V	0	5: 44	0.4	25	1	1.0
3	2	7077	120	11	1	8	6	1	1	2	6	5	V	99	11: 4	0.0	42	0	46.7
5	80	7077	120	11	1	8	6	1	1	2	6	5	V	99	1: 14	0.0	21	0	1.2
5	80	7077	120	11	1	8	6	1	1	2	6	5	V	99	1: 14	1.0	21	0	9.7
5	80	7077	120	11	1	8	6	1	1	2	6	5	V	99	1: 14	3.9	21	0	4.0
7	60	7077	120	11	1	8	6	1	1	2	6	5	V	99	81: 29	0.0	30	0	4.7
3	178	7429	60	61	99	7	0	0	0	0	0	0	V	99	0: 37	0.0	25	0	0.5
5	268	7429	60	61	99	7	0	0	0	0	0	0	V	99	1: 12	0.8	21	0	3.4
1	38	7549	80	11	21	2	2	3	9	2	23	0	A	99	1: 0	1.0	42	0	1.8
7	614	7549	80	11	21	2	2	3	9	2	23	0	A	99	0: 25	0.0	25	0	0.3
7	614	7549	80	11	21	2	2	3	9	2	23	0	A	99	0: 25	0.4	22	0	1.1
12	60	8080	60	61	74	9	2	1	9	7	97	0	V	0	2: 18	0.0	21	0	0.8
12	60	8080	60	61	74	9	2	1	9	7	97	0	V	0	2: 18	4.5	21	0	10.4
12	60	8080	60	61	74	9	2	1	9	7	97	0	V	0	2: 18	4.5	21	0	11.5
12	86	8080	60	61	74	9	2	1	9	7	97	0	V	0	0: 0	0.0	75	0	99.9
12	86	8080	60	61	74	9	2	1	9	7	97	0	V	0	0: 0	0.0	77	0	99.9
12	86	8080	60	61	74	9	2	1	9	7	97	0	V	0	0: 0	0.0	89	0	56.0
14	6	8080	60	61	74	9	2	1	9	7	97	0	V	0	157: 14	0.0	75	0	4.0
12	62	8092	70	11	9	6	6	2	4	2	6	5	V	90	9: 25	4.5	21	0	9.1
12	62	8092	70	11	9	6	6	2	4	2	6	5	V	90	9: 25	4.5	21	0	7.3
13	5	8092	70	11	9	6	6	2	4	2	6	5	V	90	27: 45	0.5	42	0	31.5
13	469	8092	70	11	9	6	6	2	4	2	6	5	V	90	62: 23	0.0	33	0	2.7
21	89	8092	70	11	9	6	6	2	4	2	6	5	V	90	3: 25	0.0	75	0	56.7
21	89	8092	70	11	9	6	6	2	4	2	6	5	V	90	3: 25	0.0	77	0	56.7

1	11	0	101	11	91	0	6	0	0	2	6	1	V	1	0: 0	0.2	23	0	0.5
1	11	0	101	11	91	0	6	0	0	2	6	1	V	1	0: 0	0.3	26	0	0.5
1	16	0	101	11	99	1	6	0	0	0	0	0	V	99	0: 0	0.1	26	0	0.3
1	44	0	111	11	99	2	5	0	0	0	0	0	V	99	0: 0	0.4	26	0	0.5
1	156	0	61	11	74	1	1	2	9	7	97	0	V	99	0: 0	0.0	30	0	0.4
1	227	0	71	11	99	0	6	0	0	0	0	0	A	0	0: 0	0.1	26	0	0.2
1	276	0	81	11	22	0	6	3	5	1	21	0	A	99	0: 5	0.3	25	0	1.1
1	276	0	81	11	22	0	6	3	5	1	21	0	A	99	0: 5	0.8	23	0	1.4
1	307	0	81	11	99	6	0	0	0	0	0	0	V	99	0: 0	0.8	23	0	0.8
1	310	0	81	11	99	3	0	0	0	0	0	0	V	99	0: 10	0.1	25	0	0.1
3	5	0	101	61	21	5	0	0	0	1	21	0	A	99	0: 0	1.5	25	0	1.8
3	9	0	101	11	21	0	6	0	0	2	23	0	A	99	0: 0	0.0	25	0	0.6
3	88	0	51	11	2	2	1	1	5	2	6	5	V	0	0: 0	0.0	30	0	0.5
3	88	0	51	11	2	2	1	1	5	2	6	5	V	0	0: 0	0.0	37	0	0.5
3	118	0	41	11	9	2	5	0	0	2	6	1	V	0	0: 0	0.3	25	0	0.3
3	486	0	81	61	1	1	2	1	2	2	6	6	V	99	0: 0	0.0	30	0	1.0
5	18	0	101	11	99	0	2	0	0	0	0	0	A	99	0: 0	0.5	21	0	0.5
5	24	0	101	11	99	0	0	0	0	0	0	0	A	0	2: 1	1.6	21	0	3.0
5	31	0	111	11	99	7	0	0	0	0	0	0	V	99	3: 59	2.3	21	0	4.2
5	35	0	111	11	99	7	0	0	0	0	0	0	V	99	1: 55	0.5	21	0	4.2
5	49	0	111	11	1	8	5	3	8	2	6	5	V	99	0: 25	0.0	26	0	2.1
5	49	0	111	11	1	8	5	3	8	2	6	5	V	99	0: 25	0.2	21	0	4.3
5	52	0	101	61	1	2	1	2	2	2	6	1	V	99	0: 0	0.0	32	0	1.1
5	117	0	11	11	99	0	6	0	0	0	0	0	A	0	0: 0	0.3	26	0	1.2
5	174	0	31	11	99	0	13	0	0	0	0	0	A	0	0: 0	0.5	26	0	0.9
5	178	0	41	11	99	0	0	0	0	0	0	0	A	0	0: 9	2.5	21	0	4.2
5	187	0	41	11	99	7	0	0	0	0	0	0	V	0	0: 15	0.3	21	0	2.1
5	226	0	51	11	99	8	0	0	0	0	0	0	V	99	0: 1	1.2	21	0	3.0
5	227	0	51	11	99	0	5	0	0	0	0	0	A	99	0: 21	1.5	21	0	4.4
5	240	0	51	11	1	8	6	2	1	2	6	5	V	99	0: 41	0.0	21	0	0.6
5	240	0	51	11	1	8	6	2	1	2	6	5	V	99	0: 41	0.0	26	0	3.0
5	240	0	51	11	1	8	6	2	1	2	6	5	V	99	0: 41	0.8	21	0	6.1
5	240	0	51	11	1	8	6	2	1	2	6	5	V	99	0: 41	3.1	21	0	5.4
5	280	0	61	11	99	0	6	0	0	0	0	0	A	99	1: 8	3.5	21	0	5.2
5	290	0	71	11	99	8	0	0	0	0	0	0	V	99	0: 20	3.5	21	0	6.5
5	290	0	71	11	99	8	0	0	0	0	0	0	V	99	0: 20	5.6	21	0	8.6
5	292	0	71	11	99	8	0	0	0	0	0	0	V	99	0: 1	0.8	21	0	4.7
5	318	0	71	61	1	9	13	2	1	1	6	5	V	99	1: 6	0.6	21	0	6.0
5	318	0	71	61	1	9	13	2	1	1	6	5	V	99	1: 6	0.7	21	0	7.1
5	330	0	71	61	99	0	6	0	0	0	0	0	A	99	0: -39	0.5	26	0	1.2
5	359	0	81	11	9	2	5	0	0	2	6	5	V	99	0: 5	0.6	21	0	3.2
5	380	0	91	11	99	0	13	0	0	0	0	0	A	0	0: 0	0.3	26	0	0.3
5	380	0	91	11	99	0	13	0	0	0	0	0	A	0	0: 0	0.4	26	0	0.4
7	44	0	101	11	29	2	0	0	0	2	23	0	A	0	0: 5	0.9	22	0	1.0
7	62	0	111	11	99	3	0	0	0	0	0	0	V	99	0: 0	2.0	22	0	2.3
7	64	0	121	61	99	3	0	0	0	0	0	0	V	99	0: 0	0.0	26	0	1.4
7	64	0	121	61	99	3	0	0	0	0	0	0	V	99	0: 0	2.3	26	0	2.5
7	86	0	111	11	59	0	5	0	0	2	51	0	A	99	0: 0	1.5	25	0	1.9
7	140	0	121	11	59	1	5	1	0	2	51	0	A	0	0: 0	0.3	25	0	0.8
7	164	0	11	61	2	2	2	1	5	2	6	4	V	0	0: 25	0.1	22	0	0.5
7	243	0	21	11	29	3	0	0	0	0	23	0	A	0	0: 0	0.7	22	0	0.9
7	368	0	51	11	99	0	6	0	0	0	0	0	A	0	0: 32	1.4	22	0	1.4
7	373	0	61	11	29	3	0	0	0	0	29	0	A	0	0: 20	0.3	22	0	0.5
7	405	0	71	11	99	8	6	0	0	0	0	0	V	0	0: 0	1.3	22	0	3.0
7	408	0	71	11	2	2	1	1	5	2	6	1	V	0	0: 0	0.0	37	0	2.6
7	474	0	81	11	99	0	0	0	0	0	0	0	A	0	0: 0	0.4	25	0	0.4
7	474	0	81	11	99	0	0	0	0	0	0	0	A	0	0: 0	0.7	25	0	0.7
8	3	0	101	61	99	1	6	0	0	0	0	0	V	28	0: 0	0.2	22	0	0.7
8	23	0	111	61	99	7	0	1	0	0	0	0	V	99	0: 0	3.4	22	0	4.3
8	24	0	111	61	99	5	0	1	0	0	0	0	V	99	0: 21	3.3	22	0	4.6
8	47	0	11	11	29	0	6	0	0	2	23	0	A	0	0: 0	0.1	25	0	0.2
8	48	0	11	11	9	0	6	0	0	1	1	1	V	0	0: 0	0.5	25	0	0.5
8	56	0	41	61	99	6	0	0	0	0	0	0	V	99	1: 12	2.1	22	0	4.6
8	59	0	111	11	99	0	0	0	0	0	0	0	A	0	0: 0	0.3	25	0	0.5
8	59	0	121	61	99	8	6	0	0	0	0	0	V	99	0: 0	4.0	22	0	6.6
8	95	0	11	11	99	5	0	0	0	0	0	0	V	1	0: 0	4.3	22	0	5.3

8	132	0	61	11	1	3	6	0	0	1	1	1	V	10	0:	0	0.0	25	0	0.7
8	132	0	61	11	1	3	6	0	0	1	1	1	V	10	0:	0	1.3	25	0	2.8
8	134	0	31	11	99	2	6	0	0	0	0	0	V	99	0:	0	0.0	22	0	0.1
8	134	0	31	11	99	2	6	0	0	0	0	0	V	99	0:	0	0.0	25	0	0.4
8	139	0	61	11	22	0	6	0	0	2	23	0	A	99	0:	0	0.1	25	0	0.6
8	146	0	61	11	22	0	6	0	0	2	23	0	A	99	0:	0	0.1	25	0	0.3
8	160	0	71	11	1	1	6	0	0	1	1	1	V	99	0:	0	0.1	25	0	0.5
8	177	0	11	11	29	1	0	0	0	1	29	0	A	99	0:	5	0.9	25	0	2.2
8	177	0	11	11	29	1	0	0	0	1	29	0	A	99	0:	5	2.2	26	0	2.8
8	180	0	11	11	29	1	0	0	0	1	29	0	A	99	0:	5	0.9	25	0	2.2
8	180	0	11	11	29	1	0	0	0	1	29	0	A	99	0:	0	2.2	26	0	2.8
8	182	0	81	11	99	0	6	0	0	0	0	0	A	99	0:	0	0.5	25	0	0.5
8	183	0	81	11	99	0	6	0	0	0	0	0	A	99	0:	0	0.1	25	0	0.9
8	189	0	81	11	99	0	6	0	0	0	0	0	A	99	0:	0	0.2	25	0	0.9
8	191	0	21	11	9	2	5	0	9	1	9	1	V	1	0:	30	1.1	26	0	1.8
8	191	0	81	11	99	0	6	0	0	0	0	0	A	99	0:	0	0.1	75	0	0.1
8	206	0	91	11	99	0	6	0	0	0	0	0	A	99	0:	0	0.3	25	0	0.4
8	213	0	91	11	99	3	6	0	0	0	0	0	V	99	0:	4	0.3	25	0	2.3
8	215	0	61	11	1	3	1	1	2	2	2	1	V	0	0:	0	0.0	37	0	3.8
8	249	0	31	11	9	1	5	0	0	1	4	1	V	99	0:	0	0.0	26	0	1.0
8	282	0	41	11	9	1	5	0	0	1	5	1	V	1	0:	0	0.1	26	0	0.3
8	343	0	51	11	9	1	0	0	9	1	4	1	V	2	0:	0	0.2	25	0	0.2
8	374	0	61	11	9	1	0	0	0	2	6	1	V	1	0:	0	0.4	26	0	0.7
8	374	0	61	11	9	1	0	0	0	2	6	1	V	1	0:	0	0.7	25	0	1.1
8	376	0	61	11	9	1	5	0	0	1	4	1	V	2	0:	0	0.0	25	0	0.9
8	508	0	81	11	99	0	13	0	0	0	0	0	A	0	0:	0	0.2	26	0	0.2
8	521	0	81	11	91	0	5	0	0	2	23	0	A	0	0:	0	0.5	25	0	0.8
9	111	0	91	11	99	4	0	0	0	0	0	0	V	99	0:	0	0.4	25	0	0.5
9	160	0	71	61	3	2	0	3	5	2	6	5	V	0	0:	0	0.0	30	0	0.2
11	49	0	11	11	29	0	0	0	5	2	23	0	A	1	0:	0	0.4	25	0	1.4
11	80	0	111	61	99	3	0	0	0	0	0	0	V	99	0:	0	0.0	77	0	1.3
11	80	0	111	61	99	3	0	0	0	0	0	0	V	99	0:	0	5.0	82	0	7.0
11	170	0	81	11	99	0	0	0	0	0	0	0	A	99	0:	0	0.5	25	0	0.5
11	170	0	81	11	99	0	0	0	0	0	0	0	A	99	0:	0	0.8	25	0	0.9
12	54	0	111	11	5	2	2	3	1	1	4	1	V	3	3:	0	0.0	30	1	4.7
12	415	0	41	61	1	1	1	1	2	2	6	4	V	99	0:	18	0.0	30	0	1.0
14	35	0	121	61	99	0	6	0	0	0	0	0	A	99	4:	0	0.4	25	0	2.8
17	100	0	61	61	99	0	6	0	0	0	0	0	A	0	0:	0	0.0	77	0	18.0
17	100	0	61	61	99	0	6	0	0	0	0	0	A	0	0:	0	2.0	71	0	2.0
17	100	0	61	61	99	0	6	0	0	0	0	0	A	0	0:	0	2.9	97	0	2.9
17	184	0	41	11	99	0	5	0	0	0	0	0	A	0	0:	0	1.0	21	0	1.5
17	246	0	61	61	1	2	6	1	2	2	4	1	V	50	0:	0	0.1	21	0	2.1
17	246	0	61	61	1	2	6	1	2	2	4	1	V	50	0:	0	1.5	21	0	2.1
17	11	16	111	61	79	0	2	0	5	7	97	0	A	0	24:	35	0.5	30	0	9.3
17	14	16	111	61	79	0	2	0	5	7	97	0	A	0	13:	20	0.0	77	0	6.0
17	14	16	111	61	79	0	2	0	5	7	97	0	A	0	13:	20	0.8	84	0	1.2
14	34	18	121	61	1	9	5	1	3	2	6	5	V	0	0:	0	0.0	21	0	0.0
14	34	18	121	61	1	9	5	1	3	2	6	5	V	0	0:	0	0.0	21	0	4.3
14	34	18	121	61	1	9	5	1	3	2	6	5	V	0	0:	0	0.0	21	0	0.5
14	34	18	121	61	1	9	5	1	3	2	6	5	V	0	0:	0	1.0	21	0	9.3
14	34	18	121	61	1	9	5	1	3	2	6	5	V	0	0:	0	1.8	21	0	8.5
14	88	18	121	61	1	9	5	1	3	2	6	5	V	0	13:	50	0.0	75	0	0.8
14	51	21	71	61	1	5	6	0	2	2	7	5	V	0	-16:	-40	0.0	25	0	2.6
14	163	21	71	61	1	5	6	0	2	2	7	5	V	0	0:	30	0.0	25	0	2.3
14	14	24	11	11	1	4	2	3	9	2	6	5	V	99	3:	17	0.0	43	0	10.2
14	68	24	11	11	1	4	2	3	9	2	6	5	V	99	0:	27	1.2	21	0	5.0
1	7	110	11	61	29	0	6	0	0	2	23	0	A	5	1:	40	2.8	43	0	5.4
1	43	110	11	61	29	0	6	0	0	2	23	0	A	5	3:	10	0.0	33	0	4.1
1	94	110	11	61	29	0	6	0	0	2	23	0	A	5	0:	0	0.6	25	0	0.6
1	94	110	11	61	29	0	6	0	0	2	23	0	A	5	0:	0	1.3	25	0	1.9
1	94	110	11	61	29	0	6	0	0	2	23	0	A	5	0:	0	1.8	25	0	1.8
3	26	110	121	11	99	1	0	0	0	0	0	0	A	99	0:	0	0.4	11	0	1.0
3	26	110	121	11	99	1	0	0	0	0	0	0	V	99	0:	0	1.0	97	0	2.5
3	68	110	121	11	99	1	0	0	0	0	0	0	V	99	0:	22	0.3	25	0	1.1
1	11	144	41	11	5	7	2	2	8	6	6	5	V	99	2:	59	0.0	42	0	0.9
1	132	144	41	11	5	7	2	2	8	6	6	5	V	99	2:	14	0.0	23	0	4.5

11	95	153	61	11	99	6	0	0	0	0	0	0	V	0	3: 35	0.1	26	0	0.9
11	136	153	61	11	99	6	0	0	0	0	0	0	V	0	5: 58	1.2	25	0	1.5
11	562	153	61	11	99	6	0	0	0	0	0	0	V	0	6: 20	1.1	92	0	1.2
12	34	183	51	61	99	5	0	0	0	0	0	0	V	10	0: 0	0.0	77	0	3.6
12	34	183	51	61	99	5	0	0	0	0	0	0	V	10	0: 0	3.2	84	0	3.2
12	63	183	51	61	99	5	0	0	0	0	0	0	V	10	0: 3	1.9	21	0	3.2
3	65	201	41	61	99	0	0	0	0	0	0	0	A	0	0: 14	0.5	25	0	0.5
12	53	260	61	61	9	8	6	3	8	2	6	5	V	90	0: 0	0.0	17	2	31.5
12	53	260	61	61	9	8	6	3	8	2	6	5	V	90	0: 0	0.0	75	2	7.6
12	53	260	61	61	9	8	6	3	8	2	6	5	V	90	0: 0	0.0	77	2	7.6
12	75	260	61	61	9	8	6	3	8	2	6	5	V	90	0: 49	0.2	21	2	1.7
12	75	260	61	61	9	8	6	3	8	2	6	5	V	90	0: 49	2.1	21	2	6.2
5	260	306	61	11	1	5	6	1	3	2	6	5	V	2	-3: 0	0.0	21	0	0.8
5	260	306	61	11	1	5	6	1	3	2	6	5	V	2	-3: 0	0.0	26	0	1.2
5	260	306	61	11	1	5	6	1	3	2	6	5	V	2	-3: 0	0.0	26	0	1.2
5	260	306	61	11	1	5	6	1	3	2	6	5	V	2	-3: 0	0.7	21	0	6.9
5	260	306	61	11	1	5	6	1	3	2	6	5	V	2	-3: 0	2.6	21	0	4.0
5	260	306	61	11	1	5	6	1	3	2	6	5	V	2	-3: 0	3.8	21	0	5.5
5	276	306	61	11	1	5	6	1	3	2	6	5	V	2	0: 0	0.0	71	0	0.8
5	276	306	61	11	1	5	6	1	3	2	6	5	V	2	0: 0	1.0	32	0	1.5
8	104	711	71	61	99	3	6	0	0	0	0	0	V	99	0: 11	1.5	22	0	3.0
8	485	711	71	61	99	3	6	0	0	0	0	0	V	99	1: 41	1.7	26	0	2.1
7	18	714	81	11	1	5	5	2	2	6	6	1	V	0	0: 0	0.0	43	0	10.5
7	129	714	81	11	1	5	5	2	2	6	6	1	V	0	0: 0	0.0	77	0	1.0
7	144	714	81	11	1	5	5	2	2	6	6	1	V	0	-18: -49	1.1	26	0	3.6
7	144	714	81	11	1	5	5	2	2	6	6	1	V	0	-18: -49	2.5	26	0	3.7
8	129	856	91	61	91	1	6	0	0	1	4	1	V	99	29: 8	1.4	22	0	3.2
8	129	856	91	61	91	1	6	0	0	1	4	1	V	99	29: 8	2.0	22	0	3.2
8	564	856	91	61	91	1	6	0	0	1	4	1	V	99	15: 48	1.1	25	0	2.1
1	67	7063	121	11	5	5	13	3	9	1	4	1	V	99	20: 54	0.0	26	0	1.5
1	67	7063	121	11	5	5	13	3	9	1	4	1	V	99	20: 54	2.0	26	0	4.7
1	67	7063	121	11	5	5	13	3	9	1	4	1	V	99	20: 54	5.2	23	0	6.2
3	3	7063	121	11	5	5	13	3	9	1	4	1	V	99	11: 0	18.7	43	0	24.4
3	4	7063	121	11	5	5	13	3	9	1	4	1	V	99	-1: 0	15.1	75	0	15.1
3	4	7063	121	11	5	5	13	3	9	1	4	1	V	99	3: 16	27.0	43	0	29.0
3	11	7063	121	11	5	5	13	3	9	1	4	1	V	99	0: 0	52.0	77	0	72.0
3	74	7063	121	11	5	5	13	3	9	1	4	1	V	99	10: 45	0.5	25	0	1.7
3	74	7063	121	11	5	5	13	3	9	1	4	1	V	99	10: 45	0.6	25	0	0.8
3	74	7063	121	11	5	5	13	3	9	1	4	1	V	99	10: 45	0.9	25	0	2.0
3	74	7063	121	11	5	5	13	3	9	1	4	1	V	99	10: 45	0.9	25	0	1.7
3	74	7063	121	11	5	5	13	3	9	1	4	1	V	99	10: 45	1.0	25	0	1.9
3	74	7063	121	11	5	5	13	3	9	1	4	1	V	99	10: 45	1.2	25	0	2.3
3	74	7063	121	11	5	5	13	3	9	1	4	1	V	99	10: 45	1.4	25	0	2.8
3	74	7063	121	11	5	5	13	3	9	1	4	1	V	99	10: 45	2.0	25	0	2.9
5	81	7063	121	11	5	5	13	3	9	1	4	1	V	99	5: 20	0.6	21	0	6.2
1	179	7178	51	11	1	8	2	2	8	2	6	5	V	99	5: 35	0.0	23	4	6.0
1	179	7178	51	11	1	8	2	2	8	2	6	5	V	99	5: 35	0.0	26	4	0.3
1	179	7178	51	11	1	8	2	2	8	2	6	5	V	99	5: 35	0.0	26	4	4.5
3	13	7178	51	11	1	8	2	2	8	2	6	5	V	99	0: 0	0.0	77	4	7.5
5	243	7178	51	11	1	8	2	2	8	2	6	5	V	99	0: 45	2.0	21	4	5.8
1	204	7196	61	11	5	8	6	3	1	2	2	5	V	99	1: 27	0.0	23	1	0.8
1	204	7196	61	11	5	8	6	3	1	2	2	5	V	99	1: 27	0.0	23	1	0.9
1	204	7196	61	11	5	8	6	3	1	2	2	5	V	99	1: 27	0.0	26	1	0.8
5	272	7196	61	11	5	8	6	3	1	2	2	5	V	99	1: 58	0.2	21	1	5.1
5	272	7196	61	11	5	8	6	3	1	2	2	5	V	99	1: 58	1.3	21	1	9.7
20	15	7196	61	11	5	8	6	3	1	2	2	5	V	99	0: 0	17.5	21	1	17.5
5	296	7213	71	61	99	9	0	0	0	0	0	0	V	99	8: 12	0.0	21	0	3.5
5	296	7213	71	61	99	9	0	0	0	0	0	0	V	99	8: 12	0.5	21	0	2.8
5	296	7213	71	61	99	9	0	0	0	0	0	0	V	99	8: 12	3.0	21	0	4.8
7	291	7213	71	61	99	9	0	0	0	0	0	0	V	99	16: 2	4.8	21	0	9.3
20	72	7213	71	61	99	9	0	0	0	0	0	0	V	99	0: 0	0.0	77	0	17.5
12	26	8040	11	61	1	9	6	3	8	2	6	5	V	10	0: 0	0.0	17	2	6.0
12	26	8040	11	61	1	9	6	3	8	2	6	5	V	10	0: 0	0.0	75	2	42.5
12	26	8040	11	61	1	9	6	3	8	2	6	5	V	10	0: 0	0.0	75	2	42.4
12	26	8040	11	61	1	9	6	3	8	2	6	5	V	10	0: 0	0.0	77	2	84.9
12	26	8040	11	61	1	9	6	3	8	2	6	5	V	10	0: 0	2.0	84	2	10.3

12	46	8040	11	61	1	9	6	3	8	2	6	5	V	10	15: 39	0.0	21	2	11.8
12	46	8040	11	61	1	9	6	3	8	2	6	5	V	10	15: 39	2.7	21	2	9.8
12	46	8040	11	61	1	9	6	3	8	2	6	5	V	10	15: 39	4.4	21	2	11.6
12	46	8040	11	61	1	9	6	3	8	2	6	5	V	10	15: 39	5.0	21	2	11.2
12	46	8040	11	61	1	9	6	3	8	2	6	5	V	10	15: 39	5.2	21	2	12.2
14	5	8040	11	61	1	9	6	3	8	2	6	5	V	10	0: 0	0.0	75	2	40.0
14	5	8040	11	61	1	9	6	3	8	2	6	5	V	10	0: 0	0.0	77	2	40.0
21	51	8040	11	61	1	9	6	3	8	2	6	5	V	10	0: 0	0.0	75	2	46.1
21	51	8040	11	61	1	9	6	3	8	2	6	5	V	10	0: 0	0.0	75	2	38.8
21	51	8040	11	61	1	9	6	3	8	2	6	5	V	10	0: 0	0.0	77	2	84.9
11	77	8075	61	11	1	8	2	2	6	2	6	5	V	10	22: 0	0.0	43	3	19.7
11	337	8075	61	11	1	8	2	2	6	2	6	5	V	10	40: 3	0.0	30	3	6.5
12	30	8075	61	11	1	8	2	2	6	2	6	5	V	10	4: 35	0.0	43	3	52.3
12	46	8075	61	11	1	8	2	2	6	2	6	5	V	10	0: 0	0.0	75	3	19.3
12	46	8075	61	11	1	8	2	2	6	2	6	5	V	10	0: 0	0.0	77	3	19.3
12	66	8075	61	11	1	8	2	2	6	2	6	5	V	10	0: 30	0.0	21	3	7.0
12	66	8075	61	11	1	8	2	2	6	2	6	5	V	10	0: 30	1.5	21	3	6.4
12	242	8075	61	11	1	8	2	2	6	2	6	5	V	10	4: 34	0.0	75	3	52.3
21	103	8075	61	11	1	8	2	2	6	2	6	5	V	10	0: 0	0.0	77	3	37.6
1	13	0	22	61	99	0	12	0	0	0	0	0	A	0	0: 0	0.0	77	0	0.0
1	15	0	102	11	22	0	5	1	5	2	23	0	A	0	0: 0	0.1	25	0	0.2
1	41	0	32	11	9	1	2	0	9	2	9	1	V	0	0: 5	0.0	30	0	1.0
1	243	0	82	11	99	0	0	0	0	0	0	0	A	0	0: 0	0.4	26	0	1.0
1	243	0	82	11	99	0	0	0	0	0	0	0	A	0	0: 0	0.5	25	0	1.0
1	248	0	82	11	1	6	1	0	9	1	4	1	V	0	0: 33	0.0	26	0	2.4
1	258	0	82	61	1	1	2	1	2	2	6	1	V	0	0: 0	0.0	91	0	0.3
1	269	0	82	61	1	1	1	1	5	2	6	1	V	0	0: 0	0.0	91	0	0.2
3	17	0	112	11	99	0	0	1	0	0	0	0	A	0	0: 0	0.0	77	0	2.0
3	22	0	102	61	99	0	5	0	0	0	0	0	A	99	0: 0	0.7	25	0	1.9
3	27	0	102	61	99	2	0	0	0	0	0	0	V	99	0: 0	2.0	25	0	2.0
3	31	0	112	61	99	0	5	0	0	0	0	0	A	99	0: 0	0.3	25	0	0.3
3	52	0	12	11	9	1	6	0	5	2	6	1	V	0	0: 0	0.4	25	0	0.4
3	52	0	122	61	99	0	7	0	0	0	0	0	A	99	0: 0	1.0	25	0	1.8
3	81	0	12	11	99	1	0	0	0	0	0	0	V	99	0: 0	0.2	25	0	0.2
3	81	0	12	11	99	1	0	0	0	0	0	0	V	99	0: 0	1.0	25	0	1.0
3	83	0	62	61	3	2	1	0	5	2	6	4	V	99	0: 0	0.0	37	0	0.8
3	136	0	72	61	99	0	6	0	0	0	0	0	A	8	0: 0	0.6	25	0	0.9
3	144	0	42	61	29	0	0	0	0	2	21	0	A	99	0: 0	1.0	25	0	1.1
3	179	0	62	11	99	1	0	0	0	0	0	0	V	99	0: 0	0.8	32	0	1.5
3	182	0	62	61	99	0	6	0	0	0	0	0	A	99	0: 0	0.8	25	0	1.1
3	184	0	62	11	99	3	0	0	0	0	0	0	V	99	0: 0	0.8	30	0	2.2
3	198	0	62	61	22	0	13	1	4	2	23	0	A	0	0: 0	0.3	25	0	0.5
3	236	0	82	61	1	2	1	1	3	2	6	1	V	99	0: 0	0.0	30	0	0.8
3	236	0	82	61	1	2	1	1	3	2	6	1	V	99	0: 0	0.0	91	0	0.5
3	248	0	72	61	99	1	6	0	0	0	0	0	V	99	0: 0	2.3	25	0	2.3
3	310	0	92	11	99	0	5	0	0	0	0	0	A	1	0: 0	0.2	25	0	0.3
3	355	0	62	61	99	1	0	0	0	0	0	0	V	99	0: 0	0.0	30	0	0.2
3	355	0	62	61	99	1	0	0	0	0	0	0	V	99	0: 0	0.0	32	0	0.1
5	45	0	112	11	99	0	0	0	0	0	0	0	A	99	3: 16	0.1	26	0	1.0
5	56	0	112	61	1	1	1	1	5	2	6	5	V	0	0: 0	0.0	31	0	0.5
5	56	0	112	61	1	1	1	1	5	2	6	5	V	0	0: 0	0.0	31	0	0.4
5	69	0	122	11	99	4	0	0	0	0	0	0	V	99	0: 0	0.6	21	0	1.0
5	128	0	42	11	99	0	5	0	0	0	0	0	A	99	1: 34	0.5	26	0	0.7
5	128	0	42	11	99	0	5	0	0	0	0	0	A	99	1: 34	0.9	21	0	1.1
5	156	0	52	61	99	9	5	0	0	0	0	0	V	99	1: 35	1.0	21	0	10.7
5	184	0	62	11	1	9	5	2	8	2	6	5	V	99	0: 10	0.8	21	0	6.8
5	194	0	62	11	99	0	5	0	0	0	0	0	A	99	0: 0	0.1	26	0	0.4
5	194	0	62	11	99	0	5	0	0	0	0	0	A	99	0: 0	0.1	26	0	0.5
5	260	0	82	11	99	0	0	0	0	0	0	0	A	99	0: 0	1.0	26	0	2.8
7	4	0	102	61	99	0	6	0	0	0	0	0	A	10	0: 8	0.0	25	0	0.2
7	4	0	102	61	99	0	6	0	0	0	0	0	A	10	0: 8	0.2	25	0	0.8
7	4	0	102	61	99	0	6	0	0	0	0	0	A	10	0: 8	0.6	25	0	1.1
7	9	0	102	61	99	0	6	0	0	0	0	0	A	2	0: 8	0.7	25	0	1.3
7	9	0	102	61	99	0	6	0	0	0	0	0	A	2	0: 8	0.7	25	0	1.3
7	12	0	102	11	99	1	0	0	0	0	0	0	V	99	0: 0	0.5	32	0	0.5
7	12	0	112	11	99	0	0	0	0	0	0	0	A	99	0: 0	0.6	26	0	2.4

7	22	0	112	61	99	0	13	0	0	0	0	A	5	0:-27	0.6	25	0	0.9	
7	48	0	112	11	99	5	0	0	0	0	0	V	99	0: 0	1.2	21	0	3.8	
7	52	0	102	11	29	0	0	0	9	2	29	0	A	99	0: 15	1.4	24	0	1.4
7	65	0	112	11	49	0	0	0	9	2	43	0	A	99	0: 0	1.0	22	0	3.7
7	79	0	112	11	29	7	5	0	0	0	23	0	A	3	0: 20	0.3	24	0	1.1
7	100	0	22	61	99	6	0	2	0	0	0	0	V	0	0: 0	6.8	21	0	7.8
7	101	0	22	61	99	6	0	0	0	0	0	0	V	0	0: 0	6.8	21	0	7.8
7	129	0	122	11	99	7	0	0	0	0	0	0	V	99	0: 3	2.8	24	0	3.2
7	132	0	122	11	29	0	5	0	4	2	23	0	A	99	0: 0	6.0	24	0	7.0
7	164	0	122	11	99	0	5	0	0	0	0	0	A	99	0: 30	1.5	24	0	1.8
7	170	0	12	11	99	0	6	0	0	0	0	0	A	0	0: 5	0.5	25	0	0.6
7	180	0	22	61	99	6	3	0	0	0	0	0	V	0	0: 19	0.3	22	0	1.2
7	353	0	52	11	29	0	6	1	9	2	23	0	A	3	0: 0	0.7	22	0	0.7
7	369	0	52	11	99	0	6	1	0	0	0	0	A	0	0: 53	0.7	22	0	1.4
7	370	0	52	11	99	0	6	1	0	0	0	0	A	0	0: 0	0.3	22	0	1.0
8	0	0	122	11	99	0	6	0	0	0	0	0	A	0	0: 0	0.7	25	0	0.7
8	1	0	102	61	99	3	0	0	0	0	0	0	V	80	0: 16	0.7	26	0	1.6
8	4	0	102	11	99	6	0	0	0	0	0	0	V	0	0: 9	0.9	22	0	2.3
8	14	0	102	11	99	0	0	0	0	0	0	0	A	99	-2:-25	0.4	26	0	0.9
8	14	0	102	11	99	0	0	0	0	0	0	0	A	99	-2:-25	1.3	25	0	2.0
8	15	0	112	61	99	5	6	0	0	0	0	0	V	0	0: 56	0.3	24	0	2.7
8	18	0	102	61	99	1	0	0	0	0	0	0	V	1	0: 3	0.8	26	0	1.4
8	19	0	102	61	99	0	11	0	0	0	0	0	A	0	0: 0	0.5	26	0	0.6
8	22	0	102	61	99	3	6	0	0	0	0	0	V	99	14: 31	1.4	26	0	2.2
8	28	0	102	61	1	3	6	0	0	1	1	1	V	3	0: 0	0.1	26	0	1.7
8	28	0	102	61	1	3	6	0	0	1	1	1	V	3	0: 0	0.8	92	0	2.0
8	29	0	102	61	99	0	6	0	0	0	0	0	A	0	0: 0	0.1	25	0	0.3
8	40	0	12	11	29	0	6	0	1	2	23	0	A	0	0: 0	0.5	25	0	0.7
8	40	0	12	11	29	0	6	0	1	2	23	0	A	0	0: 0	0.7	22	0	1.1
8	44	0	12	11	9	1	6	0	0	2	2	4	V	0	0: 0	0.7	25	0	0.7
8	44	0	112	61	99	5	6	0	0	0	0	0	V	0	0: 5	0.3	26	0	2.3
8	45	0	112	61	99	1	6	0	0	0	0	0	V	0	0: 11	0.2	26	0	0.9
8	46	0	12	11	99	1	0	0	0	0	0	0	V	0	0: 0	0.2	25	0	0.3
8	53	0	22	11	9	2	6	0	0	0	9	1	V	0	0: 0	0.2	25	0	0.3
8	61	0	32	11	99	2	0	1	0	0	0	0	V	99	0: 0	0.0	30	0	2.2
8	61	0	32	11	99	7	0	1	0	0	0	0	V	99	0: 0	1.0	22	0	3.8
8	61	0	32	11	99	2	0	1	0	0	0	0	V	99	0: 0	1.0	37	0	1.8
8	61	0	32	11	99	2	0	1	0	0	0	0	V	99	0: 0	2.0	37	0	5.5
8	61	0	32	11	99	2	0	1	0	0	0	0	V	99	0: 0	2.4	30	0	5.1
8	63	0	42	11	99	2	6	0	0	0	0	0	V	99	0: 0	0.4	22	0	0.4
8	63	0	112	61	99	0	6	0	0	0	0	0	A	0	0: 0	0.1	25	0	0.2
8	63	0	112	61	99	0	6	0	0	0	0	0	A	0	0: 0	0.1	25	0	0.1
8	64	0	32	61	29	0	6	0	0	3	29	0	A	0	0: 0	1.3	71	0	1.6
8	68	0	72	61	99	1	0	0	0	0	0	0	V	5	0: 0	0.3	24	0	1.0
8	70	0	112	11	99	0	6	0	0	0	0	0	A	0	0: 0	0.0	26	0	0.2
8	73	0	112	11	99	1	6	0	0	0	0	0	V	0	0: 0	0.2	26	0	0.3
8	75	0	82	61	91	0	0	0	0	0	23	0	A	99	0: 0	0.6	25	0	0.8
8	92	0	62	11	99	1	6	0	0	0	0	0	V	0	0: 0	0.3	25	0	0.5
8	94	0	122	61	99	1	6	0	0	0	0	0	V	0	0: 33	0.3	26	0	1.5
8	104	0	62	11	99	1	6	0	0	0	0	0	V	0	0: 0	0.4	25	0	0.4
8	110	0	32	11	99	3	0	0	0	0	0	0	V	0	0: 0	0.2	22	0	1.1
8	112	0	122	61	99	2	0	0	0	0	0	0	V	99	0: 29	0.5	25	0	0.5
8	117	0	122	61	21	0	6	0	2	1	22	0	A	17	11: 48	0.2	25	0	0.3
8	127	0	72	11	99	0	6	0	0	0	0	0	A	0	0: 0	0.1	25	0	0.9
8	129	0	72	11	99	0	6	0	0	0	0	0	A	0	0: 0	2.1	25	0	2.4
8	235	0	72	11	99	1	0	0	0	0	0	0	V	0	0: 0	0.8	25	0	1.3
8	248	0	72	11	99	6	0	0	0	0	0	0	V	0	1: 0	0.6	22	0	1.6
8	248	0	72	11	99	6	0	0	0	0	0	0	V	0	1: 0	0.7	22	0	2.8
8	287	0	82	11	99	5	5	0	0	0	0	0	V	0	0: 0	0.2	22	0	1.6
8	325	0	92	11	99	7	0	0	0	0	0	0	V	0	3: 41	0.3	22	0	1.5
8	325	0	92	11	99	7	0	0	0	0	0	0	V	0	3: 41	1.4	22	0	2.4
8	353	0	72	61	99	0	5	0	0	0	0	0	A	99	86: 38	0.4	92	0	2.3
8	377	0	82	11	1	3	6	0	0	1	1	1	V	0	0: 0	2.1	26	0	2.8
8	388	0	82	11	99	0	6	0	0	0	0	0	A	0	0: 0	0.3	26	0	0.4
8	420	0	92	61	99	2	0	0	0	0	0	0	V	0	-2:-36	2.0	26	0	3.3
8	430	0	92	11	99	0	6	0	0	0	0	0	A	99	0: 0	0.6	26	0	0.7

9	22	0	32	11	29	0	5	0	0	2	23	0	A	99	0: 0	0.3	25	0	1.0
9	23	0	42	61	2	1	1	0	9	2	6	1	V	0	0: 0	0.0	37	0	0.6
9	64	0	72	61	29	0	5	0	5	2	23	0	A	99	0: 0	1.0	25	0	1.5
9	97	0	82	61	29	0	6	0	5	2	23	0	A	0	0: 0	0.2	25	0	0.2
9	183	0	72	61	1	2	2	1	5	2	6	1	V	99	0: 0	0.0	30	0	0.8
9	216	0	62	61	1	2	1	1	3	2	6	1	V	99	0: 0	0.0	91	0	1.0
9	429	0	82	11	1	3	2	1	6	2	6	1	V	99	0: 0	0.0	91	0	1.4
11	49	0	22	11	99	2	0	0	0	0	0	0	V	99	0: 0	0.0	43	0	1.5
11	98	0	42	11	99	0	0	0	0	0	0	0	A	99	0: 0	1.2	25	0	1.3
11	99	0	42	11	99	4	0	0	0	0	0	0	V	99	1: 1	1.8	25	0	1.8
11	100	0	72	11	99	2	0	0	0	0	0	0	V	99	0: 0	0.4	26	0	1.2
12	515	0	42	11	1	1	5	1	2	2	6	1	V	0	0: 0	0.1	91	0	0.6
12	516	0	42	11	1	1	0	0	3	2	6	1	V	99	0: 11	0.0	91	0	0.8
13	118	0	72	61	99	2	0	0	0	0	0	0	V	99	0: 5	0.4	26	0	0.8
14	7	0	102	11	99	0	5	0	0	0	0	0	A	1	0: 0	0.1	25	0	0.2
14	17	0	102	61	99	0	5	0	0	0	0	0	A	1	0: 0	1.3	25	0	1.3
14	29	0	112	61	99	6	0	0	0	0	0	0	V	99	0: 15	0.7	21	0	1.0
14	33	0	112	61	99	2	5	0	0	0	0	0	V	99	0: 5	1.2	21	0	1.2
14	42	0	122	61	99	0	5	0	0	0	0	0	A	2	0: 0	0.3	25	0	0.3
14	46	0	122	61	99	4	0	0	0	0	0	0	V	99	0: 25	0.9	21	0	2.0
14	47	0	122	61	99	0	5	0	0	0	0	0	A	99	0: 0	0.5	21	0	2.2
14	50	0	122	61	99	0	0	0	0	0	0	0	A	99	0: 5	1.5	21	0	2.3
14	52	0	12	61	99	0	6	0	0	0	0	0	A	99	0: 50	0.6	21	0	1.8
14	77	0	22	11	99	1	6	0	0	0	0	0	V	99	0: 5	0.4	25	0	0.5
14	79	0	62	11	99	9	0	0	0	0	0	0	V	0	0: 0	2.9	82	0	5.1
14	79	0	62	11	99	9	0	0	0	0	0	0	V	0	0: 0	4.7	84	0	7.7
14	79	0	62	11	99	9	0	0	0	0	0	0	V	0	0: 0	7.6	84	0	8.5
14	79	0	62	11	99	9	0	0	0	0	0	0	V	0	0: 0	8.0	82	0	11.5
14	109	0	52	11	99	4	5	0	0	0	0	0	V	0	0: 0	0.1	25	0	0.5
14	109	0	52	11	99	4	5	0	0	0	0	0	V	0	0: 0	0.2	21	0	0.5
14	110	0	52	11	99	0	0	0	0	0	0	0	A	0	0: 0	0.1	25	0	0.2
14	110	0	82	61	99	0	0	0	0	0	0	0	A	0	0: 0	0.0	77	0	9.1
14	110	0	82	61	99	0	0	0	0	0	0	0	A	0	0: 0	7.7	97	0	8.4
14	111	0	52	11	99	0	0	0	0	0	0	0	A	99	0: 0	0.4	25	0	0.4
14	111	0	52	11	99	0	0	0	0	0	0	0	A	99	0: 0	0.8	21	0	0.9
14	111	0	52	11	99	0	0	0	0	0	0	0	A	99	0: 0	1.0	25	0	1.0
14	114	0	82	61	99	1	5	0	0	0	0	0	V	4	0: 14	0.0	77	0	3.3
14	114	0	82	61	99	1	5	0	0	0	0	0	V	4	0: 14	2.8	97	0	3.0
14	130	0	62	61	99	4	0	0	0	0	0	0	V	99	2: 2	1.0	21	0	1.0
14	164	0	82	61	99	4	0	0	0	0	0	0	V	99	10: 2	1.6	21	0	2.4
17	19	0	102	11	99	2	0	0	0	0	0	0	V	0	0: 0	0.5	21	0	0.5
17	19	0	102	11	99	2	0	0	0	0	0	0	V	0	0: 0	1.6	26	0	2.9
17	22	0	102	11	99	6	6	0	0	0	0	0	V	99	0: 0	0.3	21	0	2.3
17	31	0	102	11	99	0	6	0	0	0	0	0	A	99	0: 0	0.2	26	0	0.3
17	106	0	12	11	5	2	5	3	3	1	5	1	V	1	0: 0	0.0	25	2	1.0
17	106	0	12	11	5	2	5	3	3	1	5	1	V	1	0: 0	0.0	26	2	1.0
17	106	0	12	11	5	2	5	3	3	1	5	1	V	1	0: 0	0.1	21	2	0.8
17	148	0	42	11	99	0	6	0	0	0	0	0	A	0	0: 0	0.2	21	0	0.2
17	148	0	42	11	99	0	6	0	0	0	0	0	A	0	0: 0	0.2	25	0	0.4
17	148	0	42	11	99	0	6	0	0	0	0	0	A	0	0: 0	0.2	26	0	0.2
17	241	0	62	11	99	0	13	0	0	0	0	0	A	99	0: 0	0.1	21	0	1.3
17	341	0	82	61	99	2	6	0	0	0	0	0	V	0	0: 0	1.0	21	0	1.1
17	376	0	92	11	99	0	6	0	0	0	0	0	A	99	0: 0	0.0	26	0	0.1
17	414	0	92	11	22	0	11	3	5	1	21	0	A	99	0: 0	0.0	26	1	1.0
20	8	0	102	61	99	9	0	0	0	0	0	0	V	0	0: 0	0.0	77	0	1.0
20	120	0	62	61	9	8	5	1	8	2	6	5	V	99	0: 0	0.0	77	0	99.9
8	2	17	102	61	99	5	7	0	0	0	0	0	V	99	2: 0	0.7	24	0	2.3
8	4	17	102	61	99	5	7	0	0	0	0	0	V	99	-1: 0	0.0	84	0	0.0
11	27	42	112	61	22	0	11	3	9	2	23	0	A	99	20: 59	1.5	26	0	2.7
11	55	42	112	61	22	0	11	3	9	2	23	0	A	99	13: 29	0.8	25	0	1.4
11	55	42	112	61	22	0	11	3	9	2	23	0	A	99	13: 29	1.8	25	0	2.4
7	6	50	102	61	29	0	5	0	5	0	29	0	A	1	0: 0	0.0	77	0	2.0
7	6	50	102	61	29	0	5	0	5	0	29	0	A	1	19: 25	1.0	79	0	2.5
7	44	50	102	61	29	0	5	0	5	0	29	0	A	1	8: 50	0.2	24	0	1.2
8	14	70	102	11	99	6	0	0	0	0	0	0	V	1	0: 0	1.5	22	0	3.0
8	29	70	102	11	99	6	0	0	0	0	0	0	V	1	0: 35	1.5	22	0	3.0

1	53	73	122	61	99	2	0	0	0	0	0	0	V	10	4: 11	1.3	25	0	3.1
1	53	73	122	61	99	2	0	0	0	0	0	0	V	10	4: 11	1.3	25	0	2.4
1	53	73	122	61	99	2	0	0	0	0	0	0	V	10	4: 11	2.3	26	0	3.1
1	82	73	122	61	99	2	0	0	0	0	0	0	V	10	4: 15	3.2	33	0	3.4
3	25	87	122	61	25	7	11	2	9	2	29	0	A	0	0: 0	0.0	77	0	1.0
3	31	87	122	61	25	7	11	2	9	2	29	0	A	0	0: 11	0.0	25	0	0.4
17	90	89	62	61	29	0	6	0	4	2	29	0	A	10	0: 0	0.0	77	0	5.2
17	99	89	62	61	29	0	6	0	4	2	29	0	A	10	0: 25	0.7	26	0	2.4
3	28	91	122	61	99	3	0	0	0	0	0	0	V	4	0: 0	0.0	77	0	1.8
3	41	91	122	61	99	3	0	0	0	0	0	0	V	4	0: 10	0.9	25	0	2.3
17	94	98	62	61	29	5	0	2	9	1	29	0	A	99	0: 0	0.0	77	0	24.6
17	110	98	62	61	29	5	0	2	9	1	29	0	A	99	0: 10	2.3	26	0	2.3
17	110	98	62	61	29	5	0	2	9	1	29	0	A	99	0: 10	3.2	26	0	4.6
17	263	98	62	61	29	5	0	2	9	1	29	0	A	99	0: 45	0.5	21	0	4.6
14	134	114	62	11	74	8	2	1	5	7	97	0	V	99	0: 10	1.2	21	0	3.5
14	309	114	62	11	74	8	2	1	5	7	97	0	V	99	3: 5	0.0	81	0	0.5
7	64	205	122	11	9	1	6	0	5	1	4	1	V	99	0: -30	0.0	26	0	0.5
7	137	205	122	11	9	1	6	0	5	1	4	1	V	99	1: 0	0.9	24	0	2.5
5	12	207	62	11	1	7	6	2	8	2	6	5	V	41	1: 0	0.0	43	0	34.7
5	183	207	62	11	1	7	6	2	8	2	6	5	V	41	0: -49	0.4	21	0	3.2
12	43	209	52	61	99	2	0	0	0	0	0	0	V	24	0: 0	0.0	77	0	23.0
12	43	209	52	61	99	2	0	0	0	0	0	0	V	24	0: 0	19.0	84	0	19.0
12	56	209	52	61	99	2	0	0	0	0	0	0	V	24	5: 39	0.6	21	0	1.9
12	142	209	52	61	99	2	0	0	0	0	0	0	V	24	0: 29	0.3	25	0	2.1
1	115	220	62	11	99	1	6	0	0	0	0	0	V	99	0: 0	0.0	30	0	0.3
1	151	220	62	11	99	1	6	0	0	0	0	0	V	99	0: 0	0.2	26	0	0.4
8	42	245	12	61	99	0	12	0	0	0	0	0	A	99	0: 31	35.0	22	0	35.0
8	130	245	12	61	99	0	12	0	0	0	0	0	A	99	3: 46	0.7	25	0	2.0
8	118	264	122	11	99	1	6	0	0	0	0	0	V	3	9: 15	0.1	26	0	1.8
8	118	264	122	11	99	1	6	0	0	0	0	0	V	3	9: 15	1.5	25	0	2.2
8	130	264	122	11	99	1	6	0	0	0	0	0	V	3	36: 50	5.0	75	0	24.0
3	107	318	62	11	99	1	0	0	0	0	0	0	V	99	0: 0	0.6	25	0	0.7
3	245	318	62	11	99	1	0	0	0	0	0	0	V	99	0: 12	0.6	37	0	1.9
12	52	347	92	61	5	7	0	1	8	2	6	5	V	90	0: 0	0.0	77	0	3.3
12	85	347	92	61	5	7	0	1	8	2	6	5	V	90	-95: -15	0.4	21	0	2.6
3	39	374	72	61	99	2	0	1	0	0	0	0	V	0	0: 0	0.0	75	0	1.2
3	219	374	72	61	99	2	0	1	0	0	0	0	V	0	0: 6	0.6	25	0	2.0
8	143	390	42	11	99	5	0	0	0	0	0	0	V	0	-20: -11	0.1	22	0	0.2
8	143	390	42	11	99	5	0	0	0	0	0	0	V	0	-20: -11	1.2	22	0	1.3
8	205	390	42	11	99	5	0	0	0	0	0	0	V	0	5: 15	0.4	25	0	1.4
3	44	397	72	11	99	1	6	0	0	0	0	0	V	99	0: 0	0.0	75	0	2.0
3	430	397	72	11	99	1	6	0	0	0	0	0	V	99	-24: 0	1.0	30	0	1.6
3	309	432	72	61	99	1	0	0	0	0	0	0	V	0	0: 0	1.3	30	0	1.5
8	85	444	52	11	99	4	0	0	0	0	0	0	V	0	2: 52	0.0	25	0	1.0
8	85	444	52	11	99	4	0	0	0	0	0	0	V	0	2: 52	1.5	25	0	2.5
8	171	444	52	11	99	4	0	0	0	0	0	0	V	0	0: -50	0.3	22	0	0.5
8	86	445	52	61	99	3	0	0	0	0	0	0	V	90	12: 46	0.0	25	0	0.7
8	169	445	52	61	99	3	0	0	0	0	0	0	V	90	4: 44	1.2	22	0	2.3
3	61	516	82	11	99	2	6	0	0	0	0	0	V	0	0: -13	0.0	75	0	4.0
3	61	516	82	11	99	2	6	0	0	0	0	0	A	0	0: -13	1.2	11	0	2.1
3	63	516	82	11	99	2	6	0	0	0	0	0	V	0	0: 0	0.0	77	0	20.0
3	207	516	82	11	99	2	6	0	0	0	0	0	V	0	0: -13	3.0	97	0	3.4
3	284	516	82	11	99	2	6	0	0	0	0	0	V	0	0: 19	1.5	25	0	1.6
8	103	581	62	11	99	1	6	0	0	0	0	0	V	0	0: 25	0.2	37	0	0.5
8	81	855	92	11	1	4	6	0	4	2	5	6	V	99	29: 50	0.7	24	0	1.9
8	413	855	92	11	1	4	6	0	4	2	5	6	V	99	5: 15	1.4	26	0	2.8
8	317	858	92	11	99	6	6	0	0	0	0	0	V	0	0: 15	0.5	22	0	2.3
8	922	858	92	11	99	6	6	0	0	0	0	0	V	0	6: 30	0.0	75	0	0.0
1	13	7012	102	61	3	9	6	3	9	2	6	4	V	7	8: 50	0.0	23	3	1.0
3	1	7012	102	61	3	9	6	3	9	2	6	4	V	7	8: 46	0.0	42	3	8.6
5	4	7012	102	61	3	9	6	3	9	2	6	4	V	7	0: 9	0.0	21	3	0.4
5	4	7012	102	61	3	9	6	3	9	2	6	4	V	7	0: 9	0.0	21	3	0.4
5	4	7012	102	61	3	9	6	3	9	2	6	4	V	7	0: 9	2.8	21	3	8.6
20	6	7012	102	61	3	9	6	3	9	2	6	4	V	7	0: 0	0.0	77	3	72.0
1	1	7036	112	11	2	1	6	2	5	2	6	5	V	99	6: 21	0.0	42	0	0.3
7	41	7036	112	11	2	1	6	2	5	2	6	5	V	99	6: 58	0.0	26	0	2.4

7	49	7041	112	61	5	2	2	1	9	2	4	1	V	90	8: 54	1.9	21	0	3.4
8	17	7041	112	61	5	2	2	1	9	2	4	1	V	90	3: 29	0.3	24	0	2.8
3	20	7043	112	61	99	5	0	0	0	0	0	0	V	3	0: 0	0.0	77	0	23.4
3	30	7043	112	61	99	5	0	0	0	0	0	0	V	3	171: 51	1.0	25	0	4.0
5	46	7043	112	61	99	5	0	0	0	0	0	0	V	3	0: 25	1.4	21	0	2.9
7	53	7043	112	61	99	5	0	0	0	0	0	0	V	3	16: 19	3.5	21	0	7.7
5	49	7044	112	61	99	2	0	0	0	0	0	0	V	99	15: 9	1.0	21	0	1.0
7	110	7044	112	61	99	2	0	0	0	0	0	0	V	99	0: 7	0.3	24	0	1.0
7	110	7044	112	61	99	2	0	0	0	0	0	0	V	99	0: 7	1.0	22	0	1.0
3	2	7048	122	11	1	2	5	1	2	2	6	1	V	99	11: 27	0.0	41	0	3.0
7	118	7048	122	11	1	2	5	1	2	2	6	1	V	99	0: 11	0.8	24	0	3.2
3	27	7054	122	61	99	9	6	0	0	0	0	0	V	2	0: 0	0.0	77	0	6.5
5	57	7054	122	61	99	9	6	0	0	0	0	0	V	2	0: 48	1.2	21	0	3.0
1	89	7077	22	11	29	0	6	0	0	2	21	0	A	0	0: 12	1.4	26	0	4.0
1	89	7077	22	11	29	0	6	0	0	2	21	0	A	0	0: 12	4.2	23	0	5.8
3	19	7077	22	11	29	0	6	0	0	2	21	0	A	0	0: 0	0.0	77	0	5.5
7	195	7123	52	61	79	2	6	0	9	7	97	0	V	0	-19:-33	0.9	21	0	3.3
8	7	7123	52	61	79	2	6	0	9	7	97	0	V	0	18: 2	0.6	42	0	1.2
3	95	7132	52	61	99	6	0	1	0	0	0	0	V	99	5: 58	0.3	25	0	0.3
3	172	7132	52	61	99	6	0	1	0	0	0	0	V	99	16: 37	0.0	25	0	0.2
3	172	7132	52	61	99	6	0	1	0	0	0	0	V	99	16: 37	1.8	25	0	1.8
3	172	7132	52	61	99	6	0	1	0	0	0	0	V	99	16: 37	2.1	25	0	2.1
5	171	7144	62	11	22	4	11	2	9	6	23	0	A	99	0: 24	4.0	21	0	5.3
7	118	7144	62	11	22	4	11	2	9	6	23	0	A	99	0: 0	0.0	77	0	4.7
5	182	7149	62	61	78	8	0	3	9	7	97	0	V	99	0: 13	0.3	26	1	4.2
5	182	7149	62	61	78	8	0	3	9	7	97	0	V	99	0: 13	0.5	21	1	3.6
20	114	7149	62	61	78	8	0	3	9	7	97	0	V	99	0: 0	0.0	77	1	48.0
1	18	7154	62	61	1	9	5	2	2	2	6	4	V	99	26: 42	17.5	41	0	89.0
5	190	7154	62	61	1	9	5	2	2	2	6	4	V	99	22: 16	0.1	21	0	4.7
5	190	7154	62	61	1	9	5	2	2	2	6	4	V	99	22: 16	0.3	21	0	8.0
20	118	7154	62	61	1	9	5	2	2	2	6	4	V	99	0: 0	0.0	77	0	99.9
3	47	7156	62	61	99	0	5	0	0	0	0	0	A	99	0: 0	0.0	77	0	6.5
3	200	7156	62	61	99	0	5	0	0	0	0	0	A	99	5: 4	0.4	25	0	0.7
1	203	7171	72	61	91	2	0	0	9	2	21	0	A	0	9: 52	1.4	25	0	2.0
1	203	7171	72	61	91	2	0	0	9	2	21	0	A	0	9: 52	2.0	26	0	2.8
1	203	7171	72	61	91	2	0	0	9	2	21	0	A	0	9: 52	2.3	26	0	2.8
3	229	7171	72	61	91	2	0	0	9	2	21	0	A	0	36: 59	0.0	25	0	0.7
3	229	7171	72	61	91	2	0	0	9	2	21	0	A	0	36: 59	0.9	25	0	0.7
7	266	7188	82	61	99	0	5	0	0	0	0	0	A	1	1: 51	0.3	21	0	0.5
8	69	7188	82	61	99	0	5	0	0	0	0	0	A	1	0: 25	0.4	24	0	1.5
8	69	7188	82	61	99	0	5	0	0	0	0	0	A	1	0: 25	2.3	24	0	4.5
3	22	7189	82	61	99	8	0	0	0	0	0	0	V	0	151: 6	3.1	42	0	3.1
20	137	7189	82	61	99	8	0	0	0	0	0	0	V	0	0: 0	0.0	77	0	6.0
1	247	7190	82	11	99	8	6	0	0	0	0	0	V	0	7: 26	0.0	26	0	0.8
5	244	7190	82	11	99	8	6	0	0	0	0	0	V	0	10: 9	0.4	21	0	5.8
20	138	7190	82	11	99	8	6	0	0	0	0	0	V	0	0: 0	0.0	77	0	33.0
5	247	7194	82	11	5	6	6	0	9	2	4	1	V	0	2: 0	2.9	21	0	5.8
7	269	7194	82	11	5	6	6	0	9	2	4	1	V	0	-24:-20	2.0	21	0	4.3
20	139	7194	82	11	5	6	6	0	9	2	4	1	V	0	0: 0	0.0	77	0	42.0
3	61	7196	82	11	99	5	0	0	0	0	0	0	V	0	0: 0	0.0	77	0	18.0
3	272	7196	82	11	99	5	0	0	0	0	0	0	V	0	-71:-49	0.4	25	0	0.4
5	250	7196	82	11	99	5	0	0	0	0	0	0	V	0	-69:-49	1.4	21	0	3.3
3	171	7198	82	61	99	8	0	0	0	0	0	0	V	0	0: 14	0.8	25	0	0.8
5	254	7198	82	61	99	8	0	0	0	0	0	0	V	0	0: 19	0.5	26	0	3.4
3	12	7202	82	61	99	0	6	0	0	0	0	0	A	5	140: 55	0.2	42	0	10.5
3	64	7202	82	61	99	0	6	0	0	0	0	0	A	5	0: 0	0.0	77	0	8.0
3	184	7202	82	61	99	0	6	0	0	0	0	0	A	5	0: 37	0.1	25	0	0.6
5	259	7202	82	61	99	0	6	0	0	0	0	0	A	5	0: 52	0.3	21	0	0.3
5	259	7202	82	61	99	0	6	0	0	0	0	0	A	5	0: 52	1.5	21	0	1.5
3	308	7209	92	61	99	4	0	0	0	0	0	0	V	0	7: 16	0.4	25	0	1.0
5	271	7209	92	61	99	4	0	0	0	0	0	0	V	0	0: 11	3.4	21	0	5.5
12	55	8050	52	61	9	9	0	0	9	2	9	1	V	99	0: 3	4.5	21	0	12.2
17	206	8050	52	61	9	9	0	0	9	2	9	1	V	99	8: 35	1.5	21	0	7.4
17	206	8050	52	61	9	9	0	0	9	2	9	1	V	99	8: 35	4.3	21	0	10.6
21	56	8050	52	61	9	9	0	0	9	2	9	1	V	99	0: 0	0.0	75	0	44.7
21	56	8050	52	61	9	9	0	0	9	2	9	1	V	99	0: 0	0.0	75	0	44.7

21	56	8050	52	61	9	9	0	0	9	2	9	1	V	99	0:	0	0.0	75	0	44.7
21	56	8050	52	61	9	9	0	0	9	2	9	1	V	99	0:	0	0.0	75	0	44.7
21	56	8050	52	61	9	9	0	0	9	2	9	1	V	99	0:	0	0.0	77	0	68.6
3	44	0	13	61	99	0	6	0	0	0	0	0	A	0	0:	0	20.0	24	0	20.0
3	58	0	13	61	99	0	0	0	0	0	0	0	A	99	0:	0	0.3	25	0	0.3
3	60	0	13	61	99	0	6	0	0	0	0	0	A	99	0:	0	0.6	25	0	7.0
7	44	0	13	11	99	0	6	0	0	0	0	0	A	0	0:	0	0.4	25	0	0.4
7	204	0	13	61	99	8	0	0	0	0	0	0	V	99	0:	0	2.0	24	0	2.0
7	234	0	13	11	29	0	6	1	0	0	23	0	A	99	0:	0	0.9	24	0	1.8
8	50	0	13	61	99	0	6	0	0	0	0	0	A	99	0:	0	0.2	25	0	0.4
8	58	0	13	11	99	4	0	0	0	0	0	0	V	99	0:	0	0.1	24	0	3.5
8	62	0	13	11	99	9	0	0	0	0	0	0	V	99	0:	0	2.0	24	0	2.7
8	103	0	13	11	99	9	0	0	0	0	0	0	V	0	0:	0	0.2	24	0	0.2
8	164	0	13	11	99	1	6	0	0	0	0	0	V	99	9:	0	0.2	92	0	1.0
8	173	0	13	61	99	1	0	0	0	0	0	0	V	79	0:	16	0.1	92	0	0.4
8	175	0	13	61	99	5	0	0	0	0	0	0	V	99	0:	49	2.0	26	0	2.7
9	12	0	13	61	99	3	0	0	0	0	0	0	V	99	0:	0	1.5	25	0	2.3
9	16	0	13	61	99	4	0	0	0	0	0	0	V	8	0:	7	0.0	25	0	0.7
9	16	0	13	61	99	4	0	0	0	0	0	0	V	8	0:	7	0.0	25	0	0.4
9	16	0	13	61	99	4	0	0	0	0	0	0	V	8	0:	7	0.4	25	0	2.2
11	55	0	13	11	99	0	0	0	0	0	0	0	A	99	0:	0	1.2	26	0	1.5
11	61	0	13	11	27	0	6	1	5	2	23	0	A	0	0:	0	0.1	26	0	0.1
11	61	0	13	11	27	0	6	1	5	2	23	0	A	0	0:	0	0.3	26	0	0.3
11	75	0	13	11	99	0	0	0	0	0	0	0	A	99	0:	9	0.6	25	0	0.7
14	53	0	13	61	99	0	6	0	0	0	0	0	A	99	0:	12	0.3	25	0	0.3
12	12	86	13	11	99	8	0	0	0	0	0	0	V	0	0:	0	1.9	77	0	5.4
12	14	86	13	11	99	8	0	0	0	0	0	0	V	0	42:	33	0.1	21	0	2.5
12	14	86	13	11	99	8	0	0	0	0	0	0	V	0	42:	33	2.0	21	0	4.8
8	46	284	13	61	99	0	5	0	0	0	0	0	A	1	5:	27	0.9	84	0	3.5
8	69	284	13	61	99	0	5	0	0	0	0	0	A	1	1:	27	0.4	11	0	0.6
8	69	284	13	61	99	0	5	0	0	0	0	0	A	1	1:	27	0.4	11	0	0.5
8	121	284	13	61	99	0	5	0	0	0	0	0	A	1	0:	4	0.8	26	0	0.8
8	139	284	13	61	99	0	5	0	0	0	0	0	A	1	1:	37	8.0	75	0	10.0
8	47	285	13	11	99	3	6	0	0	0	0	0	V	1	0:	-48	0.0	84	0	0.0
8	122	285	13	11	99	3	6	0	0	0	0	0	V	1	0:	9	0.3	26	0	1.3
7	98	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	10	0.2	26	1	1.8
7	98	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	10	2.5	26	1	2.5
7	98	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	10	3.4	26	1	3.4
7	98	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	10	3.9	26	1	3.9
7	118	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	0	0.0	30	1	4.8
7	118	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	0	0.5	37	1	1.3
7	118	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	0	1.5	91	1	3.0
7	118	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	0	1.7	91	1	2.8
7	118	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	0	2.2	91	1	3.7
7	118	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	0	2.3	91	1	3.2
7	118	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	0	2.9	91	1	3.7
7	118	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	0	3.0	30	1	5.1
7	118	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	0	3.7	91	1	4.5
7	118	312	13	61	21	3	2	3	1	3	29	0	A	0	0:	0	8.4	30	1	8.5
7	75	332	13	11	99	7	0	0	0	0	0	0	V	99	0:	0	0.0	77	0	2.0
7	214	332	13	11	99	7	0	0	0	0	0	0	V	99	20:	5	2.4	24	0	3.4
3	37	7085	13	11	99	8	5	0	0	0	0	0	V	99	0:	0	0.0	77	0	81.0
5	1	7085	13	11	99	8	5	0	0	0	0	0	V	99	17:	29	18.5	42	0	49.5
5	99	7085	13	11	99	8	5	0	0	0	0	0	V	99	1:	57	2.1	21	0	4.5
5	99	7085	13	11	99	8	5	0	0	0	0	0	V	99	1:	57	5.2	21	0	8.4
5	99	7085	13	11	99	8	5	0	0	0	0	0	V	99	1:	57	7.7	21	0	10.6
5	99	7085	13	11	99	8	5	0	0	0	0	0	V	99	1:	57	7.7	21	0	10.4

OK,

SECTION 3.
OCC AND RCC MESSAGE ANALYSIS PROGRAMS

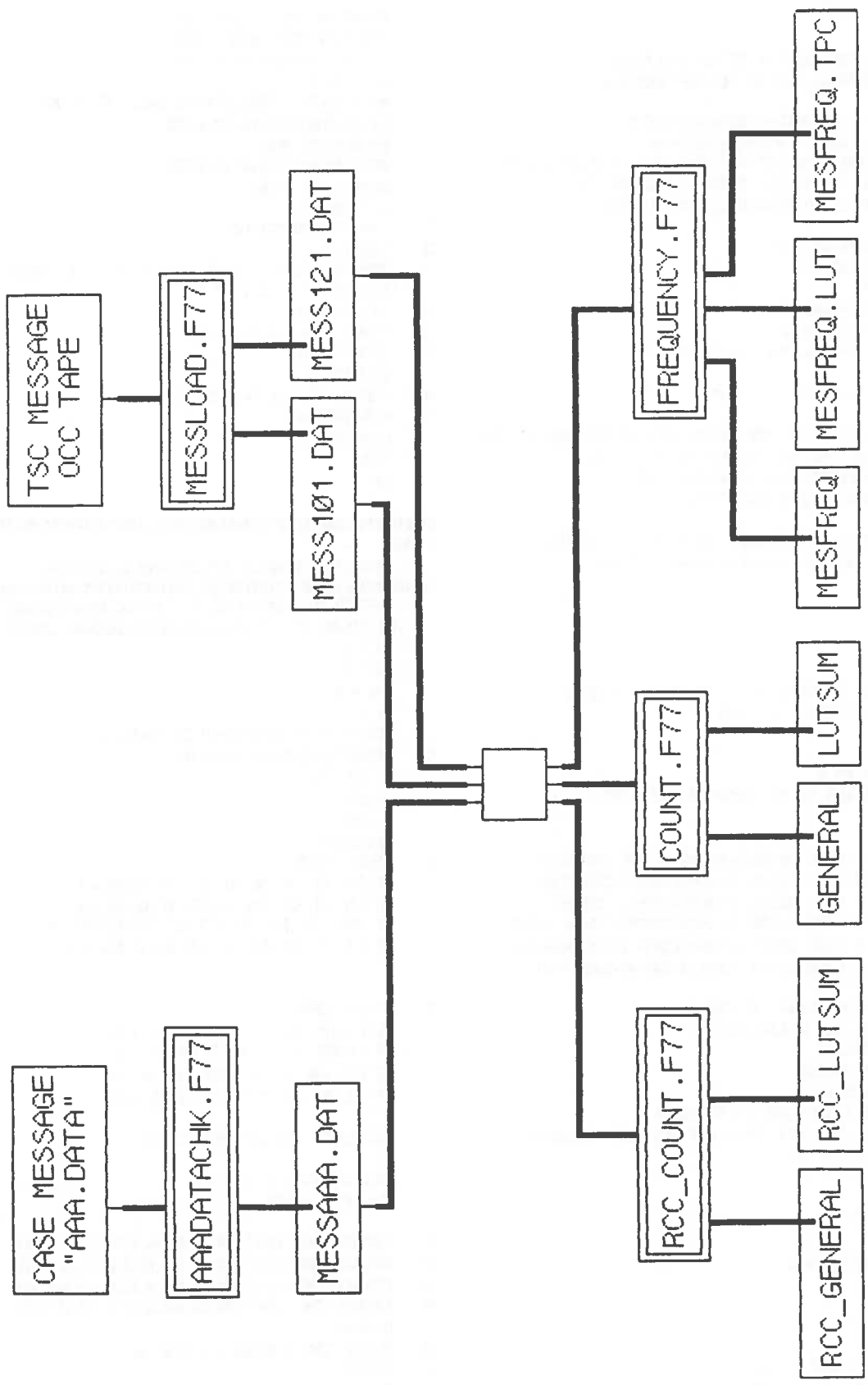


FIGURE 3-1. OCC AND RCC MESSAGE ANALYSIS PROGRAMS

SLIST AAADATACHK.F77

C THIS PROGRAM CHECKS FOR ERRORS IN THE AAA DATA FILES
 C THEN CREATES A MESSAAA.DAT FILE SO THE COUNT PROGRAMS
 C CAN BE RUN OFF OF.

```
CHARACTER DIC(132),AFLAG#1,BFLAG#1,SAT2#3,DTG#1
INTEGER DIC2,II,JJ,KKK,LL,COMDATE,COMTIME,W
CHARACTER DTG_IND#1,DUM#20,SAT#3,SRR1#6,SRR2#6,SITE1#8,SITE2#8
INTEGER DIST,YR,AUTODIN,THCC1,THCC2,LUT,TCA1,TCA2,TPC1,
+TPC2,LAT1W,LON1W,LAT2W,LON2W,SITE_MESS1,SITE_MESS2
```

```
REAL LAT1R,LON1R,LAT2R,LON2R
CHARACTER#1 SH1,SH2,SH3
CHARACTER CASE#5
OPEN(UNIT=10,FILE='AAA.DATA')
OPEN(UNIT=20,FILE='MESSAAA.DAT')
OPEN(UNIT=30,FILE='AAA.ERRORS',STATUS='NEW')
W = 0
```

```
12 READ(10,15,END=99) (DIC(I),I=1,132)
15 FORMAT(132A1)
  DECODE (132,25,DIC,ERR=88) DIST,YR,CASE,DTG_IND,DUM,AUTODIN,THCC1,
+SH1,THCC2,SAT,LUT,TCA1,SH2,TCA2,TPC1,SH3,TPC2,LAT1W,
+LAT1R,LON1W,LON1R,SRR1,LAT2W,LAT2R,LON2W,LON2R,
+SH2,SRR2,SITE_MESS1,SITE1,SITE_MESS2,SITE2
```

```
25 FORMAT(I2,I2,A5,A1,A20,I7,I3,A1,I4,A3,I2,I3,A1,I4,I3,A1,I4,
+I2,F5.1,I3,F5.1,A6,2X,I2,F5.1,I3,F5.1,A6,2X,I2,A8,
+I2,A8)
```

```
DTG = DTG_IND
COMDATE = 0
COMTIME = 0
W = W + 1
IF(DTG.EQ.'A'.OR.DTG.EQ.'B'.OR.DTG.EQ.'D'.OR.DTG.EQ.'S'
+OR.DTG.EQ.'R'.OR.DTG.EQ.'K') THEN
  DTG = DTG
ELSE
  WRITE (30,26) DTG,W
```

```
26 FORMAT('ERROR WITH THE DTG INDICATOR ',A1,'LINE = ',I4)
  ENDIF
```

```
IF(DIC(10).EQ.'A') CALL DECODE_A(DUM,YR,COMDATE,COMTIME,W)
IF(DIC(10).EQ.'B') CALL DECODE_B(DUM,YR,COMDATE,COMTIME,W)
IF(DIC(10).EQ.'D') CALL DECODE_D(DUM,YR,COMDATE,COMTIME,W)
IF(DIC(10).EQ.'S') CALL DECODE_S(DUM,YR,COMDATE,COMTIME,W,DIST)
IF(DIC(10).EQ.'R') CALL DECODE_R(DUM,YR,COMDATE,COMTIME,W,DIST)
IF(DIC(10).EQ.'K') CALL DECODE_K(DUM,YR,COMTIME,COMDATE,W)
```

```
C IF(W.GT.840) PRINT#,COMDATE,COMTIME,W
IF(AUTODIN.NE.0) CALL AUTOD(AUTODIN,W)
CALL TCA(TCA1,TCA2,W)
CALL THCC(THCC1,THCC2,W)
CALL TPC(TPC1,TPC2,W)
CALL CHK_REST(DIST,SRR1,CASE,SAT,YR,W,SRR2)
CALL LAT(LAT1W,LAT1R,LON1W,LON1R,LAT2W,LAT2R,LON2W,LON2R,W)
IF(SITE_MESS1.EQ.99) THEN
  AFLAG = '1'
ELSE
  AFLAG = '2'
ENDIF
IF(SITE_MESS2.EQ.99) THEN
  BFLAG = '1'
ELSE
  BFLAG = '2'
ENDIF
IF ( SAT.EQ.'C01') SAT2 = 'C01'
IF ( SAT.EQ.'C02') SAT2 = 'C02'
```

```
IF(SAT.EQ.'S01') SAT2 = 'S01'
IF(SAT.EQ.'C03') SAT2 = 'C03'
IF (SAT.EQ.'S02') SAT2 = 'S02'
WRITE(20,27)
WRITE(20,30) COMDATE,COMTIME,CASE,DIST,YR,THCC1,THCC2,SAT2,
+LUT,YR,TCA1,TCA2,YR,TPC1,TPC2
WRITE(20,35) SRR1
WRITE(20,40) SRR2,AFLAG,SITE1
WRITE(20,45) BFLAG
WRITE(20,28)
27 FORMAT(' *****')
28 FORMAT(' ')
30 FORMAT(I6,2X,I4,1X,A5,I6,I3,I3,2X,I4,13X,A3,10X,I2,1X,
+I2,I3,2X,I4,1X,I2,I3,2X,I4)
35 FORMAT(38X,A6)
40 FORMAT(37X,A6,7X,A1,9X,A8)
45 FORMAT(9X,A1)
GOTO 12
88 PRINT#, ' WE HAVE PROBLEMS LINE ',W
99 CLOSE(UNIT=10)
CLOSE(UNIT=30)
STOP
END
```

```
C*****
C SUB1
SUBROUTINE DECODE_A (DUM,YR,COMDATE,COMTIME,W)
C*****
  INTEGER II,JJ,KK,LLL,YY,II_ERR,JJ_ERR,KK_ERR,W,
+LL_ERR,KKK_ERR,YY_ERR,NN,ZZ,BB_ERR,COMDATE,COMTIME
  II = 0
  JJ = 0
  KKK = 0
  LL = 0
  DECODE (20,42,DUM,ERR=43) II,JJ,KKK,LL
42 FORMAT(I2,I2,1X,I3,1X,I2,9X)
  II_ERR = 0
  JJ_ERR = 0
  LL_ERR = 0
  KKK_ERR = 0
C CHECK LIMITS
  IF (II .GT. 24 .OR. II .LT. 0) II_ERR = 1
  IF (JJ .GT. 59 .OR. JJ .LT. 0) JJ_ERR = 1
  IF (KKK .GT. 366 .OR. KKK .LT. 1) KKK_ERR = 1
  IF (LL .GT. 85 .OR. LL .LT. 83) LL_ERR = 1
C REPORT ERRORS
  IF (II_ERR .EQ. 1) WRITE (30,10) W,II
  IF (JJ_ERR .EQ. 1) WRITE (30,20) W,JJ
  IF (KKK_ERR .EQ. 1) WRITE (30,30) W,KKK
  IF (LL_ERR .EQ. 1) WRITE (30,40) W,LL
C CALCULATE THE COM TIME AND DATE
  CALL JD2HD(KKK,LL,COMDATE)
  COMTIME = II*100 + JJ
10 FORMAT('LINE ',I4,' ERR IN DEC.A WITH --> II ',I3)
20 FORMAT('LINE ',I4,' ERR IN DEC.A WITH --> JJ ',I3)
30 FORMAT('LINE ',I4,' ERR IN DEC.A WITH --> KKK',I3)
40 FORMAT('LINE ',I4,' ERR IN DEC.A WITH --> LL',I3)
GOTO 45
43 PRINT#, 'ERR IN DECODE A', 'LINE ',W
45 RETURN
END
```

```

C*****
C SUB2
  SUBROUTINE DECODE_B (DUM,YR,COMDATE,COMTIME,W)
C*****
  INTEGER*4 II,JJ,KK,LLL,YY,II_ERR,JJ_ERR,KK_ERR,W,
  +LLL_ERR,KKK_ERR,YY_ERR,NN,ZZ,BB_ERR,COMDATE,COMTIME

  KKK = 0
  II = 0
  JJ = 0
  DECODE (20,42,DUM,ERR=43) KKK,II,JJ
42  FORMAT(I3,1X,I2,1X,I2,11X)
  II_ERR = 0
  JJ_ERR = 0
  KKK_ERR = 0

  CALL JD2HD(KKK,YR,COMDATE)
  COMTIME = II * 100 + JJ
  CHECK LIMITS
  IF (KKK .LT. 1 .OR. KKK .GT. 366) KKK_ERR = 1
  IF (II .LT. 0 .OR. II .GT. 24) II_ERR = 1
  IF (JJ .LT. 0 .OR. JJ .GT. 59) JJ_ERR = 1

  C  REPORT ERRORS
  IF (KKK_ERR .EQ. 1) WRITE (30,10) W,KKK
  IF (II_ERR .EQ. 1) WRITE (30,20) W,II
  IF (JJ_ERR .EQ. 1) WRITE (30,30) W,JJ

10  FORMAT('LINE ',I4,'ERR DEC_B WITH KKK',I3)
20  FORMAT('LINE ',I4,'ERR DEC_B WITH II ',I3)
30  FORMAT('LINE ',I4,'ERR DEC_B WITH JJ ',I3)
  GOTO 45
43  PRINT*, 'ERR IN DEC_B','LINE ',W
45  RETURN
  END
C*****
C SUB3
  SUBROUTINE DECODE_D (DUM,YR,COMDATE,COMTIME,W)
C*****
  INTEGER*4 II,JJ,KK,LLL,YY,II_ERR,JJ_ERR,KK_ERR,W,
  +LLL_ERR,KKK_ERR,YY_ERR,NN,ZZ,BB_ERR,YR,COMDATE,COMTIME

  II = 0
  JJ = 0
  KK = 0
  LL = 0
  MM = 0
  DECODE (20,42,DUM,ERR=43) II,JJ,KK,LLL,MM
42  FORMAT(4(I2,1X),I2,6X)
  II_ERR = 0
  JJ_ERR = 0
  LL_ERR = 0
  KK_ERR = 0
  COMDATE = YR*10000 + II*100 + JJ
  COMTIME = KK*100 + LL
  IF (II .LT. 1 .OR. II .GT. 12) II_ERR = 1
  IF (JJ .LT. 1 .OR. JJ .GT. 31) JJ_ERR = 1
  IF (KK .LT. 0 .OR. KK .GT. 24) KK_ERR = 1
  IF (LL .LT. 0 .OR. LL .GT. 59) LL_ERR = 1

  C  CHECK FOR ANY ERRORS.
  IF (II_ERR .EQ. 1) WRITE (30,10) W,II
  IF (JJ_ERR .EQ. 1) WRITE (30,20) W,JJ

```

```

IF (KK_ERR .EQ. 1) WRITE (30,30) W,KK
IF (LL_ERR .EQ. 1) WRITE (30,40) W,LL

10  FORMAT ('LINE ',I4,'ERR WITH DEC_D ----> II',I3)
20  FORMAT ('LINE ',I4,'ERR WITH DEC_D ----> JJ',I3)
30  FORMAT ('LINE ',I4,'ERR WITH DEC_D ----> KK',I3)
40  FORMAT ('LINE ',I4,'ERR WITH DEC_D ----> LL',I3)

  GOTO 45
43  PRINT*, 'ERR IN DECODE D','LINE ',W
45  RETURN
  END
C*****
C SUB4
  SUBROUTINE DECODE_S (DUM,YR,COMDATE,COMTIME,W,DT)
C*****
  INTEGER*4 II,JJ,KK,LLL,YY,II_ERR,JJ_ERR,KK_ERR,W,
  +LLL_ERR,KKK_ERR,YY_ERR,NN,ZZ,BB_ERR,COMDATE,COMTIME
  LOGICAL M_FLAG
  INTEGER HH

  CHARACTER*3 AAA,MONTH(12)
  CHARACTER*20 DUM

  DATA MONTH/'JAN','FEB','MAR','APR','MAY','JUN','JUL','AUG',
  + 'SEP','OCT','NOV','DEC'/
  II = 0
  AAA = ' '
  JJ = 0
  KK = 0
  LL = 0
  DECODE (20,42,DUM,ERR=43) II,AAA,JJ,KK,LL
42  FORMAT(I2,1X,A3,1X,I2,1X,I2,1X,I2,5X)
  COMDATE = 0
  COMTIME = 0
  IF (II.LT.0) II = -II
  II_ERR = 0
  JJ_ERR = 0
  KK_ERR = 0
  LL_ERR = 0
  BB_ERR = 0
  M_FLAG = .TRUE.
  IF (II .LT. 1 .OR. II .GT. 31) II_ERR = 1
  IF (JJ .LT. 83 .OR. JJ .GT. 85) JJ_ERR = 1
  IF (KK .LT. 00 .OR. KK .GT. 24) KK_ERR = 1
  IF (LL .LT. 00 .OR. LL .GT. 59) LL_ERR = 1

  C  CHECK MONTHS
  M_FLAG = .FALSE.
  DO 30 I = 1,12
  IF (MONTH(I) .EQ. AAA) THEN
    M_FLAG = .TRUE.
    MM = I
  ENDIF

30  CONTINUE
  C  PRINT*,KK,LL
  IF (DUM.NE.' ') THEN
  COMDATE = JJ*10000 + MM*100 + II
  COMTIME = KK*100 + LL
  ENDIF
  C  PRINT*, ' ',HH,LL

  C  PRINT*,COMDATE,COMTIME

```

```

IF (II_ERR .EQ. 1) WRITE (30,10) W,II
IF (JJ_ERR .EQ. 1) WRITE (30,20) W,JJ
IF (KK_ERR .EQ. 1) WRITE (30,33) W,KK
IF (LL_ERR .EQ. 1) WRITE (30,40) W,LL
IF (M_FLAG .EQV. .FALSE.) WRITE (30,60)

10  FORMAT('LINE ',I4,'ERR IN DEC_S WITH ----> II',I3)
20  FORMAT('LINE ',I4,'ERR IN DEC_S WITH ----> JJ',I3)
33  FORMAT('LINE ',I4,'ERR IN DEC_S WITH ----> KK',I3)
40  FORMAT('LINE ',I4,'ERR IN DEC_S WITH ----> LL',I3)
60  FORMAT('ERR IN DEC_S WITH ----> THE MONTH FLAG')

      GOTO 45
43  PRINT*, 'ERR IN DECODE S', 'LINE ', W
45  RETURN
      END
C*****
C  SUBS
      SUBROUTINE DECODE_R (DUM,YR,COMDATE,COMTIME,W,DT)
C*****

      INTEGER*4 II,JJ,KK,KKK,LL,YR,II_ERR,JJ_ERR,KK_ERR,W,
+LL_ERR,KKK_ERR,YY_ERR,NN,ZZ,BB_ERR,COMDATE,COMTIME,DT,HH

      LOGICAL M_FLAG
      CHARACTER*3 AAA,MONTH(12)
      CHARACTER*2 BB
      CHARACTER*20 DUM
      DATA MONTH/'JAN','FEB','MAR','APR','MAY','JUN','JUL','AUG',
+ 'SEP','OCT','NOV','DEC'/

      II = 0
      HH = 0
      AAA = '
      JJ = 0
      KK = 0
      LL = 0
      BB = '

      DECODE (20,42,DUM,ERR=43) II,AAA,JJ,KK,LL,BB
42  FORMAT(I2,1X,A3,3(I1X,I2),1X,A2,2X)
      COMDATE = 0
      COMTIME = 0
      JJ_ERR = 0
      II_ERR = 0
      LL_ERR = 0
      KK_ERR = 0
      BB_ERR = 0
      M_FLAG = .TRUE.
C  LIMITS CHECK
      IF (II .LT. 1 .OR. II .GT. 31) II_ERR = 1
      IF (JJ .LT. 83 .OR. JJ .GT. 85) JJ_ERR = 1
      IF (KK .LT. 00 .OR. KK .GT. 24) KK_ERR = 1
      IF (LL .LT. 00 .OR. LL .GT. 59) LL_ERR = 1
C  CHECK MONTHS
      M_FLAG = .FALSE.

      DO 30 I = 1,12

      IF (MONTH(I) .EQ. AAA) THEN
          M_FLAG = .TRUE.
          MM = I
      ENDIF
30  CONTINUE
      IF(DUM.NE.' ') THEN

```

```

CALL T_ZONE(BB,DT,HH,KK,II,MM,JJ)
COMDATE = JJ*10000 + MM*100 + II
COMTIME = HH*100 + LL

      ENDIF
C  CHECK BB TO SEE IF IT IS AM OR PM
      IF (BB .NE. 'AM' .AND. BB .NE. 'PM') BB_ERR = 1
      IF (II_ERR .EQ. 1) WRITE (30,10) W,II
      IF (JJ_ERR .EQ. 1) WRITE (30,20) W,JJ
      IF (KK_ERR .EQ. 1) WRITE (30,33) W,KK
      IF (LL_ERR .EQ. 1) WRITE (30,40) W,LL
      IF (BB_ERR .EQ. 1) WRITE (30,50) W,BB
      IF (M_FLAG .EQV. .FALSE.) WRITE (30,60)
10  FORMAT('LINE ',I4,'ERR IN DEC_R WITH ---->II',I3)
20  FORMAT('LINE ',I4,'ERR IN DEC_R WITH ----> JJ',I3)
33  FORMAT('LINE ',I4,'ERR IN DEC_R WITH ----> KK',I3)
40  FORMAT('LINE ',I4,'ERR IN DEC_R WITH ----> LL',I3)
50  FORMAT('LINE ',I4,'ERR IN DEC_R WITH ----> BB',I2)
60  FORMAT('ERR IN DEC_R WITH ----> M_FLAG,')

      GOTO 45
43  PRINT*, 'ERROR IN DECODE R', 'LINE ', W
45  RETURN
      END
C*****
C  SUB6
      SUBROUTINE DECODE_K (DUM,YR,COMTIME,COMDATE,W)
C*****

      INTEGER II,JJ,KK,KKK,LL,YR,II_ERR,JJ_ERR,KK_ERR,W,
+LL_ERR,KKK_ERR,YY_ERR,NN,ZZ,BB_ERR,COMTIME,COMDATE

      LOGICAL M_FLAG
      II = 0
      JJ = 0
      KK = 0
      LL = 0
      DECODE (20,42,DUM,ERR=43) II,JJ,KK,LL
42  FORMAT(3(I2,1X),I2,9X)
      II_ERR = 0
      JJ_ERR = 0
      KK_ERR = 0
      LL_ERR = 0
      BB_ERR = 0
      M_FLAG = .TRUE.
C  LIMITS CHECKS

      IF (II .LT. 1 .OR. II .GT. 12) II_ERR = 1
      IF (JJ .LT. 1 .OR. JJ .GT. 31) JJ_ERR = 1
      IF (KK .LT. 0 .OR. KK .GT. 24) KK_ERR = 1
      IF (LL .LT. 0 .OR. LL .GT. 59) LL_ERR = 1
C  CHECK FOR ANY ERRORS.
      IF (II_ERR .EQ. 1) WRITE (30,10) W,II
      IF (JJ_ERR .EQ. 1) WRITE (30,20) W,JJ
      IF (KK_ERR .EQ. 1) WRITE (30,30) W,KK
      IF (LL_ERR .EQ. 1) WRITE (30,40) W,LL
      COMDATE = YR*10000 + II*100 + JJ
      COMTIME = KK*100 + LL
10  FORMAT('LINE ',I4,'ERR IN DEC_K WITH ----> II',I3)
20  FORMAT('LINE ',I4,'ERR IN DEC_K WITH ----> JJ',I3)
30  FORMAT('LINE ',I4,'ERR IN DEC_K WITH ----> KK',I3)
40  FORMAT('LINE ',I4,'ERR IN DEC_K WITH ----> LL',I3)

```

```

GOTO 45
43 PRINT*, 'ERROR IN DECODE K', ' LINE ', W
45 RETURN
END
C*****
C SUB7
SUBROUTINE TCA (X,Y,W)
C*****

COMMON /GROUP_A/ AAA,BB,II,JJ,KK,KKK,LL,MM,YR,II_ERR,JJ_ERR,
+KK_ERR,LL_ERR,KKK_ERR,YY_ERR,BB_ERR,NN,KZ

INTEGER*4 II,JJ,KK,KKK,LL,YR,II_ERR,JJ_ERR,KK_ERR,W,
+LL_ERR,KKK_ERR,YY_ERR,NN,ZZ,BB_ERR,X,Y

CHARACTER*2 BB
CHARACTER*3 AAA

KKK_ERR = 0
II_ERR = 0
JJ_ERR = 0

KKK = X
II = Y/100
JJ = Y - 100*II

C CHECK LIMITS
IF (KKK .LT. 1 .OR. KKK .GT. 366) KKK_ERR = 1
IF (II .LT. 0 .OR. II .GT. 24) II_ERR = 1
IF (JJ .LT. 0 .OR. JJ .GT. 59) JJ_ERR = 1

C REPORT ERRORS

IF (KKK_ERR .EQ. 1) WRITE (30,10) W,KKK
IF (II_ERR .EQ. 1) WRITE (30,20) W,II
IF (JJ_ERR .EQ. 1) WRITE (30,30) W,JJ

10 FORMAT('LINE ',I4,'ERROR IN TCA WITH ----> KKK',I3)
20 FORMAT('LINE ',I4,'ERROR IN TCA WITH ----> II',I3)
30 FORMAT('LINE ',I4,'ERROR IN TCA WITH ----> JJ',I3)
GOTO 45
43 PRINT*, 'ERROR IN TCA', ' LINE ', W
45 RETURN
END
C*****
C SUB8
SUBROUTINE THCC (X,Y,W)
C*****

COMMON /GROUP_A/ AAA,BB,II,JJ,KK,KKK,LL,MM,YR,II_ERR,JJ_ERR,
+KK_ERR,LL_ERR,KKK_ERR,YY_ERR,BB_ERR,NN,KZ

INTEGER*4 II,JJ,KK,KKK,LL,YR,II_ERR,JJ_ERR,KK_ERR,W,
+LL_ERR,KKK_ERR,YY_ERR,NN,ZZ,BB_ERR,X,Y

CHARACTER*2 BB
CHARACTER*3 AAA

KKK_ERR = 0
II_ERR = 0
JJ_ERR = 0
KKK = X
II = Y/100
JJ = Y - 100*II

C CHECK LIMITS

```

```

IF (KKK .LT. 1 .OR. KKK .GT. 366) KKK_ERR = 1
IF (II .LT. 0 .OR. II .GT. 24) II_ERR = 1
IF (JJ .LT. 0 .OR. JJ .GT. 59) JJ_ERR = 1

C REPORT ERRORS
IF (KKK_ERR .EQ. 1) WRITE (30,10) W,KKK
IF (II_ERR .EQ. 1) WRITE (30,20) W,II
IF (JJ_ERR .EQ. 1) WRITE (30,30) W,JJ

10 FORMAT ('LINE ',I4,'ERROR IN THCC WITH ----> KKK',I3)
20 FORMAT ('LINE ',I4,'ERROR IN THCC WITH ----> II',I3)
30 FORMAT ('LINE ',I4,'ERROR IN THCC WITH ----> JJ',I3)

GOTO 45
43 PRINT*, 'ERROR IN THCC', ' LINE ', W
45 RETURN
END
C*****
C SUB9
SUBROUTINE LAT (LAT1D,LAT1R,LON1D,LON1R,LAT2D,LAT2R,LON2D,LON2R,W)
C*****

INTEGER LAT1W,LAT2W,LON1W,LON2W,W
REAL LAT1R,LAT2R,LON1R,LON2R
INTEGER*4 II,JJ,KK,KKK,LL,YR,II_ERR,JJ_ERR,KK_ERR,
+LL_ERR,KKK_ERR,YY_ERR,NN,ZZ,BB_ERR

CHARACTER*2 BB
CHARACTER*3 AAA

LAT1D_ERR = 0
LAT1R_ERR = 0.0
LON1D_ERR = 0
LON1R_ERR = 0.0
LAT2D_ERR = 0
LAT2R_ERR = 0.0
LON2D_ERR = 0
LON2R_ERR = 0.0

C CHECK LAT 1
IF (LAT1D .LT. 10 .OR. LAT1D .GT. 70) LAT1D_ERR = 1
IF (LAT1R .LT. 0.0 .OR. LAT1R .GT. 59.9) LAT1R_ERR = 1

C CHECK LAT 2
IF (LAT2D .LT. 10 .OR. LAT2D .GT. 70) LAT2D_ERR = 1
IF (LAT2R .LT. 0.0 .OR. LAT2R .GT. 59.9) LAT2R_ERR = 1

C CHECK LON 1
IF (LON1D .LT. 0 .OR. LON1D .GT. 180) LON1D_ERR = 1
IF (LON1R .LT. 0.0 .OR. LON1R .GT. 59.9) LON1R_ERR = 1

C CHECK LON 2
IF (LON2D .LT. 0 .OR. LON2D .GT. 180) LON2D_ERR = 1
IF (LON2R .LT. 0.0 .OR. LON2R .GT. 59.9) LON2R_ERR = 1

C CALCULATE LAT1, LON1.
C CHECK FOR ERRORS

IF (LON1D_ERR .EQ. 1) WRITE (30,10) W,LON1D
IF (LON1R_ERR .EQ. 1) WRITE (30,20) W,LON1R
IF (LAT1D_ERR .EQ. 1) WRITE (30,40) W,LAT1D
IF (LAT1R_ERR .EQ. 1) WRITE (30,50) W,LAT1R

IF (LON2D_ERR .EQ. 1) WRITE (30,60) W,LON2D
IF (LON2R_ERR .EQ. 1) WRITE (30,70) W,LON2R

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```

IF (LAT2D_ERR .EQ. 1) WRITE (30,80) W,LAT2D
IF (LAT2R_ERR .EQ. 1) WRITE (30,90) W, LAT2R

10  FORMAT('LINE ',I4,'ERROR IN LATCHECK WITH ---->LON1D',I3)
20  FORMAT('LINE ',I4,'ERROR IN LATCHECK WITH ----> LON1R',F5.1)
40  FORMAT('LINE ',I4,'ERROR IN LATCHECK WITH ----> LAT1D',I3)
50  FORMAT('LINE ',I4,'ERROR IN LATCHECK WITH ----> LAT1R',F5.1)
60  FORMAT('LINE ',I4,'ERROR IN LATCHECK WITH ----> LON2D',I3)
70  FORMAT('LINE ',I4,'ERROR IN LATCHECK WITH ----> LON2R',F5.1)
80  FORMAT('LINE ',I4,'ERROR IN LATCHECK WITH ----> LAT2D',I3)
90  FORMAT('LINE ',I4,'ERROR IN LATCHECK WITH ----> LAT2R',F5.1)

RETURN
END

C*****
C SUB10
SUBROUTINE TPC (X,Y,W)
C*****

INTEGER X,Y,KKK,II,JJ,W
INTEGER II_ERR,KKK_ERR,LL_ERR

KKK_ERR = 0
II_ERR = 0
JJ_ERR = 0
KKK = X
II = Y/100
JJ = Y - 100*II
C CHECK LIMITS
IF (KKK .LT. 1 .OR. KKK .GT. 366) KKK_ERR = 1
IF (II .LT. 0 .OR. II .GT. 24) II_ERR = 1
IF (JJ .LT. 0 .OR. JJ .GT. 59) JJ_ERR = 1

C REPORT ERRORS
IF (KKK_ERR .EQ. 1) WRITE (30,10) W,KKK
IF (II_ERR .EQ. 1) WRITE (30,20) W,II
IF (JJ_ERR .EQ. 1) WRITE (30,30) W,JJ

10  FORMAT ('LINE ',I4,'ERROR IN TPC WITH ----> KKK',I3)
20  FORMAT ('LINE ',I4,'ERROR IN TPC WITH ----> II',I3)
30  FORMAT ('LINE ',I4,'ERROR IN TPC WITH ----> JJ',I3)

GOTO 45
43  PRINT*, 'ERROR IN TPC', ' LINE ',W
45  RETURN
END

C*****
C SUP11
SUBROUTINE CHK_REST (DIST,SRR1,CASE_NUM,SPACE_CRAFT,YR,W,SRR2)
C*****

INTEGER II,JJ,KK,LLL,YY,II_ERR,JJ_ERR,KK_ERR,W,
+LLL_ERR,KKK_ERR,YY_ERR,NN,ZZ,BB_ERR,CHK_DIS(12)

INTEGER DIST
CHARACTER*2 BB
CHARACTER*3 AAA,SATT(10),SPACE_CRAFT
CHARACTER*6 CHK_SRR(21)
CHARACTER*6 SRR1,SRR2
CHARACTER CASE_NUM*5
LOGICAL DIS_FLAG,SRR_FLAG,SPACE_FLAG,SRR_FLAG2

DATA CHK_DIS /1,2,3,5,7,8,9,11,
+12,13,14,17/

DATA CHK_SRR /'CGD1 ','CGD3 ','CGD5 ','CGD7 ','CGD8 ',
+'CGD11 ','CGD12 ','CGD13 ','CGD14 ','CGD17 ','CGD17A',
+'CGD17J ','CGD17K ','CGPA ','CGAA ','AFRCC ','AACRCC',
+'CMCC ','HEXICO','TSC ','OTHER '/

DATA SATT/'C01','C02','C03','S01','S02',
+'C01','C02','C03','S01','S02'/
DIS_FLAG = .FALSE.
SRR_FLAG = .FALSE.
SRR_FLAG2 = .FALSE.
SPACE_FLAG = .FALSE.
YR_ERR = 0
CASE_ERR = 0
DO 50 I = 1,12
IF (CHK_DIS(I) .EQ. DIST) DIS_FLAG = .TRUE.
50  CONTINUE

DO 60 I = 1,21
IF (CHK_SRR(I) .EQ. SRR1) SRR_FLAG = .TRUE.
60  CONTINUE

DO 65 I = 1,21
IF (CHK_SRR(I) .EQ. SRR2) SRR_FLAG2 = .TRUE.
65  CONTINUE

IF (YR .NE. 83 .AND. YR .NE. 84 .AND. YR .NE. 85) YR_ERR = 1
IF (SRR_FLAG2 .EQV. .FALSE.) WRITE(30,35) W,SRR2
DO 70 I = 1,10
IF (SATT(I) .EQ. SPACE_CRAFT) SPACE_FLAG = .TRUE.
70  CONTINUE
IF (DIS_FLAG .EQV. .FALSE.) WRITE(30,10) W,DIST
IF (SRR_FLAG .EQV. .FALSE.) WRITE(30,20) W,SRR1
IF (YR_ERR .EQ. 1) WRITE(30,30) W,YR
C IF (CASE_ERR .EQ. 1) WRITE(30,35) W,CASE_NUM
IF (SPACE_FLAG .EQV. .FALSE.) WRITE(30,40) W,SPACE_CRAFT
10  FORMAT('LINE ',I4,'ERROR IN CHK_REST WITH DISTRICT ',I3)
20  FORMAT('LINE ',I4,'ERROR IN CHK_REST WITH SRR1 ',A8)
30  FORMAT('LINE ',I4,'ERROR IN CHK_REST WITH YEAR ',I2)
35  FORMAT('LINE ',I4,'ERROR IN CHK_REST WITH SRR2 ',A8)
40  FORMAT('LINE ',I4,'ERROR IN CHK_REST WITH SPACE_CRAFT SAT ',A3)

45  RETURN
END

C*****
C SUB12
SUBROUTINE AUTOD (X,W)
C*****

INTEGER X,Y,II,JJ,KKK,KKK_ERR,II_ERR,JJ_ERR,W

KKK_ERR = 0
II_ERR = 0
JJ_ERR = 0
KKK = X/10000
Y = X - KKK*10000
II = Y/100
JJ = Y - 100*II
II = Y/100
JJ = Y - 100*II
C CHECK LIMITS
IF (KKK .LT. 1 .OR. KKK .GT. 366) KKK_ERR = 1
IF (II .LT. 0 .OR. II .GT. 24) II_ERR = 1
IF (JJ .LT. 0 .OR. JJ .GT. 59) JJ_ERR = 1

C REPORT ERRORS
IF (KKK_ERR .EQ. 1) WRITE (30,10) W,KKK

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```

IF (II_ERR .EQ. 1) WRITE (30,20) W,II
IF (JJ_ERR .EQ. 1) WRITE (30,30) W,JJ

10  FORMAT('LINE ',I4,'ERROR IN AUTODIN WITH ----> KKK',I3)
20  FORMAT('LINE ',I4,'ERROR IN AUTODIN WITH ----> II',I3)
30  FORMAT('LINE ',I4,'ERROR IN AUTODIN WITH ----> JJ',I3)

      GOTO 45
43  PRINT*, 'ERROR IN AUTODIN' LINE ',W
45  RETURN
      END
C*****
C SUB13
      SUBROUTINE JD2MD(JDAY,YR,COMDATE)

      INTEGER MDAY(12),MON,DAY,TOTD,X,YR,COMDATE

      DATA MDAY/31,28,31,30,31,30,31,31,30,31,30,31/

      IF(YR.EQ.84) MDAY(2) = 29
      TOTD = 0

      DO 10 I = 1,12
         TOTD = TOTD + MDAY(I)
         IF(JDAY.LE.TOTD) GOTO 20
10      CONTINUE

      GOTO 30
20      X = TOTD - MDAY(I)
         DAY = JDAY - X
         MON = I
         COMDATE = YR*10000 + MON*100 + DAY
         MDAY(2) = 28

      GOTO 35
30      PRINT*, 'PROBLEM IN JD2MD MONTH DID NOT MATCH ANY MON = ',MON

35      RETURN
      END
      SUBROUTINE T_ZONE(BB,DT,HH,KK,II,MM,YR)

      INTEGER DT,HH,KK,NN,II,MM,YR,KZ,TEMP
      CHARACTER*2 BB

      NN = 0
      HH = 0
      KZ = 0
      IF(BB.EQ.'AM') THEN
         NN = 0
         IF(KK.EQ.12) KK = 0
      ENDIF
      IF(BB.EQ.'PM'.AND.KK.NE.12) NN = 12
      IF(DT.EQ.1.OR.DT.EQ.3.OR.DT.EQ.5.OR.DT.EQ.7.OR.DT.EQ.9) KZ = 5
      IF(DT.EQ.2.OR.DT.EQ.8) KZ = 6
      IF(DT.EQ.11.OR.DT.EQ.12.OR.DT.EQ.13.OR.DT.EQ.17) KZ = 8
      IF(DT.EQ.14) KZ = 10

C      PRINT*,KK,KZ,NN,'***'
      HH = KK + KZ + NN
      TEMP = MM*100 + II
      IF(YR.EQ.83) THEN
         IF((TEMP.GE.424).AND.(TEMP.LE.1030)) HH = HH - 1
      ENDIF
      IF(YR.EQ.84) THEN
         IF((TEMP.GE.429).AND.(TEMP.LE.1028)) HH = HH - 1
      ENDIF

```

```

IF(HH.GE.24) THEN
   II = II + 1
   HH = HH - 24
   IF((II.GT.31).AND.(MM.EQ.1.OR.MM.EQ.3.OR.MM.EQ.5.OR.MM.EQ.7
+ .OR.MM.EQ.8.OR.MM.EQ.10.OR.MM.EQ.12)) THEN
      MM = MM + 1
      II = II - 31
   ENDIF
   IF((II.GT.30).AND.(MM.EQ.4.OR.MM.EQ.6.OR.MM.EQ.9.OR.MM.EQ.11))
+ THEN
      MM = MM + 1
      II = II - 30
   ENDIF
   IF(YR.EQ.84.AND.MM.EQ.2.AND.II.GT.29) THEN
      MM = MM + 1
      II = II - 29
   ENDIF
   IF(YR.EQ.85.AND.MM.EQ.2.AND.II.GT.28) THEN
      MM = MM + 1
      II = II - 28
   ENDIF
   IF(YR.EQ.83.AND.MM.EQ.2.AND.II.GT.28) THEN
      MM = MM + 1
      II = II - 28
   ENDIF
ENDIF
RETURN
END

```

OK,

MESSLOAD.F77

SLIST MES_NEWLD.CO

SEG
LO #MESSLOAD
LO MES_DRV.BIN
LO MES_NEWPEEL.BIN
LO MES_FIX.BIN
LO MES_INTVAL.BIN
LO MES_RTNS.BIN
LO MES_RD.BIN
LI RIM>RIMLIB
LI VAPPLB
LI
SA
QU
CO -END
OK,

SLIST MES_DRV.F77

PROGRAM DRIVER
\$INSERT SYSCOM>A\$KEYS
INTEGER*2 MLN,FUNIT,NMLN,WTIME,RETRY5,I2U
LOGICAL*2 OPVP\$A
EXTERNAL OPVP\$A
CHARACTER*80 FILENAME,PROMPT
INTEGER*4 UN,BAD,GOOD,RETCODE
FUNIT=5
OPEN(UNIT=70,FILE='MESS101.DAT',STATUS='UNKNOWN')
OPEN(UNIT=71,FILE='MESS121.DAT',STATUS='UNKNOWN')
I2U=58
IF (GEND\$(I2U)) CONTINUE
I2U=59
IF (GEND\$(I2U)) CONTINUE
UN=9
PROMPT='ENTER A SARGAT MESSAGE FILE NAME:'
NMLN=80
MLN=32
WTIME=1
RETRY5=10
10 IF (OPVP\$(PROMPT,MLN,A\$READ+A\$SAMF,FILENAME,NMLN,
* FUNIT,A\$VOLD,WTIME,RETRY5)) GO TO 20
WRITE (*,*) 'BAD FILE NAME'
GO TO 10
20 BAD=0
GOOD=0
30 CALL PEEL(UN,RETCODE)
IF (RETCODE.EQ.-100) GO TO 40
IF (RETCODE.NE.0) BAD=BAD+1
IF (RETCODE.EQ.0) GOOD=GOOD+1
GO TO 30
40 WRITE (*,*) 'GOOD MESSAGES:',GOOD,', BAD MESSAGES:',BAD
CLOSE (9)
CLOSE (UNIT=7)
CLOSE (UNIT=8)
END
OK,

```

SLIST MES_NEWPEEL.F77

SUBROUTINE PEEL(U,RETCODE)
INTEGER*4 U,MESNN,MESNNH
C
C This subroutine takes the data out of
c a TSC SARGAT message and loads it into the
c sarsat database
c
c parameters:
c
c LOCREC --> the location in the file to start looking
c for the message
c
c U --> the unit number of the sarsat message
c file.
c
c RETCODE<-- the return code. Nonzero if any errors
c were detected during message processing.
c
$INSERT SYSDOM>A$KEYS
INTEGER*4 POSSOFF,LN,X,ST,NOFLAG,F,LOCREC,RETCODE,OPOS,RU
INTEGER*4 RMSTAT,STOP
COMMON /RIMCOM/ RMSTAT
c
c possoff is used while searching for numeric
c fields on a line. It represents the number of positions
c that the field can be off.
c
LOGICAL*2 LSTR%A /* logical function finds character strings in a line
INTEGER*4 FPT,NF,MESSTYPE,II,I
c
c fpt is the flag buffer pointer
c
CHARACTER*4 STRS(3),STRS2(2)
CHARACTER*80 JUNK,BUF
REAL*8 DATE%A,TIME%A,RLB
EXTERNAL DATE%A,TIME%A
INTEGER*2 I280,F1LEN,F2LEN,F3LEN,F4LEN,F5LEN,BTLEN,FCP,LCP,U2
*,I2U
CHARACTER*624 OBUF
INTEGER*4 UNUM,OPT,KVL
EXTERNAL KVL
POSSOFF=6 /* initialize the number of positions a field can be off
STOP=0
NF=0 /* number of flags found to zero
RETCODE=0 /* return code good (so far)
C
OPEN (31,FILE='SARSAT>UNIQUES',RECL=80)
c
c this file contains a unique number to be used for
c identifying flags in the database
c
C READ (31,100) JUNK /* read the line
C ST=1
C CALL RDINT (OBUF(1:4),JUNK,ST,POSSOFF,10,*99)
c
c convert it to integer and load the output buffer
c
OPT=1 /* output buffer pointer
ST=1
C CALL RDINT (UNUM,JUNK,ST,POSSOFF,10,*99)
c
c put the number into UNUM
c
C REWIND (31) /* reposition to the beginning of the file
C UNUM=UNUM+1 /* increment the number
C WRITE (31,456) UNUM /* write the new unique number
456 FORMAT (I10,10)
C CLOSE (31)
BTLEN=2
LN=0
X=0
NOFLAG=0
F=0
N1=0
N2=0
N3=0
N4=0
N5=0
F1LEN=4
F2LEN=4
F3LEN=4
F4LEN=4
F5LEN=4
I280=80
STRS(1)='MSER'
STRS(2)='ATUZ'
STRS(3)=' '
CALL READTIL (STRS,2,U,BUF,ST,*999)
IF (ST.LT.0) GO TO 99
CALL ZERO(OBUF(OPT:OPT+7),2)
IOPT=OPT
OPT=OPT+8
IF (ST.EQ.2) GO TO 310
IF (ST.NE.1) GO TO 99
C
II=16
CALL RDINT (OBUF(IOPT:),BUF,II,POSSOFF,6,*99)
CALL RDINT (OBUF(IOPT+4:),BUF,II,POSSOFF,4,*99)
C
CALL READTIL (STRS(2),1,U,BUF,ST)
310 IF (ST.NE.1) GO TO 99
LN=1
GO TO 102
C
C PEEL OFF AT LINE
C
101 READ (U,100,IOSTAT=IOS,END=999) BUF
C WRITE (*,100) BUF
100 FORMAT (A80)
LN=LN+1
IF (NOFLAG .EQ.1) GO TO 30
GO TO (1,101,101,101,101,101,101,101,101,11,
* 12,13,14,15,16,16,17,101,101,101,21,101,21,
* 101,25,26,27,28,29,29,29,29,29,29,29,29) LN
GO TO 199
1 ST =16
CALL RDINT(OBUF(OPT:),BUF,ST,POSSOFF,4,*99)
ST=16
CALL RDINT (MESNN,BUF,ST,POSSOFF,4,*99)
STRS2(1)='UNCL'
61 CALL READTIL (STRS2,1,U,BUF,ST)
LN=10
GO TO 101
C
11 ST = 9
CALL RDINT(MESSTYP,BUF,ST,6,3,*99)
CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,5,*99)
OPT=OPT+4
II=ST
CALL RDINT (MESNNH,BUF,II,POSSOFF,5,*99)
CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,5,*99)
OPT=OPT+4

```

```

      GO TO 101
C
12  ST=31
    CALL RDTIME (OBUF(OPT:),BUF,ST,POSSOFF,*99)
    OPT=OPT+8
    GO TO 101
C
13  ST =4
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,2,*99)
    OPT=OPT+4
    ST = 14
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,5,*99)
    OPT=OPT+4
    GO TO 101
C
14  ST=10
    CALL SKIPBLAN(BUF,ST,POSSOFF)
    IF (ST,LT,0) GO TO 99
    OBUF(OPT:OPT+2)=BUF(ST:ST+2)
    OPT=OPT+4
    ST = 19
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,5,*99)
    OPT=OPT+4
    IF (MESSTYPE,EQ,121) THEN
      OBUF(OPT:OPT+2)=BUF(ST+10:ST+12)
      OPT=OPT+4
    END IF
    ST = ST+13
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,2,*99)
    OPT=OPT+4
    GO TO 101
C
15  ST = 25
    CALL RDTIME (OBUF(OPT:),BUF,ST,POSSOFF,*99)
    OPT=OPT+8
    GO TO 101
C
16  IF (MESSTYPE ,NE, 121) THEN
      LN=LN+1
      GO TO 102
    END IF
    ST = 14
    CALL RDTIME (OBUF(OPT:),BUF,ST,POSSOFF,*99)
    OPT=OPT+8
    GO TO 101
C
161 ST =25
    CALL RDTIME (OBUF(OPT:),BUF,ST,POSSOFF,*99)
    OPT=OPT+8
    GO TO 101
C
17  IF (MESSTYPE,NE, 101) THEN
      LN = LN + 1
      GO TO 102
    END IF
    ST = 33
    CALL SKIPBLAN (BUF,ST,POSSOFF)
    IF (ST,LT,0) GO TO 99
    OBUF(OPT:OPT+1)=BUF(ST:ST+1)
    OPT=OPT+4
    GO TO 101
C
21  ST = 5
    X = X + 1
    IF (X,EQ,1) THEN
      CALL ZERO(OBUF(OPT:),1)
      OPT=OPT+4
    END IF
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,2,*99)
    OPT=OPT+4
    ST = ST+2
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,3,*99)
    OPT=OPT+4
    CALL RDFP (OBUF(OPT:),BUF,ST,POSSOFF,2,1,*99)
    OPT=OPT+4
    CALL SKIPBLAN (BUF,ST,POSSOFF)
    IF (ST,LE,0) GO TO 99
    OBUF(OPT:OPT)=BUF(ST:ST)
    OPT=OPT+4
    ST = ST+2
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,3,*99)
    OPT=OPT+4
    ST = ST+1
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,2,*99)
    OPT=OPT+4
    ST = ST+1
    CALL RDINT(OBUF(OPT:),BUF,ST,POSSOFF,2,*99)
    OPT=OPT+4
    ST = ST+2
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,2,*99)
    OPT=OPT+4
    ST = ST+1
    CALL RDTIME (OBUF(OPT:),BUF,ST,POSSOFF,*99)
    OPT=OPT+8
    CALL SKIPBLAN(BUF,ST,POSSOFF)
    IF (ST,LE,0) GO TO 99
    OBUF(OPT:OPT+5) = BUF(ST:ST+5)
    OPT=OPT+8
    GO TO 101
C
25  IF (MESSTYPE ,NE, 121) THEN
      LN=LN+4
      GO TO 102
    END IF
    OBUF(OPT:OPT+2)=BUF(9:11)
    OPT=OPT+4
    ST=17
    CALL RDINT(OBUF(OPT:),BUF,ST,POSSOFF,2,*99)
    OPT=OPT+4
    GO TO 101
C
26  OBUF(OPT:OPT+11)=BUF(7:18)
    OPT=OPT+12
    GO TO 101
C
27  ST=13
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,2,*99)
    OPT=OPT+4
    ST = ST+14
C
    CALL RDINT (OBUF(OPT:),BUF,ST,POSSOFF,2,*99)
    OBUF(OPT:OPT+1)=BUF(ST+1:ST+2)
    OPT=OPT+4
    GO TO 101
C
28  CONTINUE
C
    OBUF(OPT:OPT+29)=BUF(11:40)

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```

C OPT=OPT+32
GO TO 101

C
29 IF (NF.EQ.0) THEN
CALL ZERO (OBUF(OPT:),1)
OPT=OPT+4
END IF
FPT=OPT
OPT=OPT+48
NF=NF+1
IF (NF.GT.3) THEN
ST=-10
END IF
CALL BLANKOUT (OBUF(FPT:),48)
CALL ZERO(OBUF(FPT+8:),1)
CALL ZERO (OBUF(FPT+24:),1)
CALL ZERO (OBUF(FPT+36:),1)
CALL ZEREAL (OBUF(FPT+28:),1)
CALL ZEREAL (OBUF(FPT+40:),1)
ST=1
CALL SKIPBLAN(BUF,ST,POSSOFF)
IF (ST.LE.0) GO TO 99
OBUF(FPT+4:FPT+4)=BUF(ST:ST)
IF (LSTR%A('SITE',F1LEN,BUF,I280,FCP,LCP)) THEN
ST=34
CALL SKIPBLAN(BUF,ST,POSSOFF)
OBUF(FPT+12:FPT+22)=BUF(ST+2:ST+12)
OBUF(FPT:FPT)='1'
ELSE IF (LSTR%A('IDEN',F2LEN,BUF,I280,FCP,LCP)) THEN
OBUF(FPT:FPT)='2'
ST=19
CALL RDINT (OBUF(FPT+8:),BUF,ST,POSSOFF,2,*99)
OBUF(FPT+12:FPT+22)=BUF(ST+31:ST+41)
ELSE IF (LSTR%A('REQU',F3LEN,BUF,I280,FCP,LCP)) THEN
OBUF(FPT:FPT)='3'
ST=19
CALL RDINT(OBUF(8+FPT:),BUF,ST,POSSOFF,2,*99)
OBUF(FPT+12:FPT+22) =BUF(ST+7:ST+17)
ST=ST+25
CALL RDINT (OBUF(FPT+8:),BUF,ST,POSSOFF,2,*99)
CALL RDINT (OBUF(FPT+24:),BUF,ST,POSSOFF,2,*99)
CALL RDFP(OBUF(FPT+28:),BUF,ST,POSSOFF,2,1,*99)
CALL SKIPBLAN (BUF,ST,POSSOFF)
OBUF(FPT+32:FPT+32)=BUF(ST:ST)
CALL RDINT (OBUF(FPT+36:),BUF,ST,POSSOFF,3,*99)
CALL RDFP (OBUF(FPT+40:),BUF,ST,POSSOFF,2,1,*99)
CALL SKIPBLAN (BUF,ST,POSSOFF)
OBUF(FPT+44:FPT+44)=BUF(ST:ST)
ELSE IF (LSTR%A('TEST',F4LEN,BUF,I280,FCP,LCP)) THEN
ST=19
CALL RDINT(OBUF(FPT+8:),BUF,ST,POSSOFF,2,*99)
OBUF(FPT+12:FPT+22)=BUF(ST+14:ST+24)
OBUF(FPT:FPT)='4'
ELSE IF (LSTR%A('EXCE',F5LEN,BUF,I280,FCP,LCP)) THEN
OBUF(FPT:FPT)='5'
ST=19
CALL RDINT(OBUF(FPT+8:),BUF,ST,POSSOFF,2,*99)
OBUF(FPT+12:FPT+22)=BUF(ST+18:ST+28)
ELSE IF (LSTR%A('BT',BTLEN,BUF,I280,FCP,LCP)) THEN
NF=NF-1
NOFLAG=1
IF (NF.GT.2) GO TO 99
ST=0
ELSE
STOP=1
GO TO 99

```

```

END IF
GO TO 101

C
30 ST=1
CALL RDINT (CKNH,BUF,ST,POSSOFF,4,*99)
C
IF (CKNH.NE.MESSN) GO TO 99
GO TO 98
199 IF (BUF(1:2).EQ.'BT') THEN
NOFLAG=1
GO TO 101
ELSE IF (BUF(1:1).EQ.'*') THEN
RETCODE=RETCODE-1
GO TO 30
ELSE
RETCODE=RETCODE-1
GO TO 98
END IF

C
999 RETCODE=-100
RETURN
99 OPEN (69,FILE='ERRORS',STATUS='UNKNOWN',RECL=80)
C
WRITE (*,*) ' LINE',LN,' ST',ST
I2U=57
IF (GEN%A(I2U)) CONTINUE
RL8=TIME%A(JUNK)
WRITE (69,909) MESSN,MESSNM,LN,ST,DATE%A(JUNK(40:)),JUNK,RHSTAT
CLOSE (69)
909 FORMAT (I6,I8,I4,I4,A12,' ',A10,I10)
RETCODE=RETCODE-1
IF (STOP.EQ.0.AND.RMSTAT.EQ.0) GO TO 101
98 CONTINUE
IF (RETCODE.NE.0) RETURN
C
CALL RMOPEN ('SRSTDB ')
C
CALL RMLREL
IF (MESSTYPE.EQ.101) THEN
C
CALL RMFIND (1,'MSG101 ')
C
ELSE
C
CALL RMFIND (1,'MSG121 ')
C
END IF
C
CALL RMLoad (1,OBUF)
C
IF (RMSTAT.NE.0) GO TO 99
C
CALL RMCLOS
C
IF (RMSTAT.NE.0) GO TO 99
WRITE (70,*) '*****'
WRITE(70,1000)KVL(OBUF(1:4)),KVL(OBUF(5:8)),
* KVL(OBUF(9:12)),KVL(OBUF(13:16)),
* KVL(OBUF(17:20)),KVL(OBUF(21:24)),KVL(OBUF(25:28)),
* KVL(OBUF(29:32)),OBUF(33:35),
* KVL(OBUF(37:40)),KVL(OBUF(41:44)),KVL(OBUF(45:48)),
* KVL(OBUF(49:52)),KVL(OBUF(53:56)),
* KVL(OBUF(57:60)),OBUF(61:62),KVL(OBUF(65:68)),
* KVL(OBUF(69:72)),REA(OBUF(73:76)),
* OBUF(77:77),KVL(OBUF(81:84)),REA(OBUF(85:88))
WRITE(70,1002)OBUF(89:89),KVL(OBUF(93:97)),
* KVL(OBUF(97:100)),KVL(OBUF(101:104)),
* KVL(OBUF(105:108)),KVL(OBUF(109:112)),
* KVL(OBUF(113:116)),OBUF(117:122),KVL(OBUF(125:128)),
* REA(OBUF(129:132)),
* OBUF(133:133),KVL(OBUF(137:140)),REA(OBUF(141:144)),
* OBUF(145:145)
WRITE(70,1001)KVL(OBUF(149:152)),KVL(OBUF(153:156)),
* KVL(OBUF(157:160)),KVL(OBUF(161:164)),
* KVL(OBUF(165:168)),KVL(OBUF(169:172)),OBUF(173:178),
* KVL(OBUF(181:184)),
* OBUF(185:185),OBUF(189:189),KVL(OBUF(193:196)),
* OBUF(197:207),

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```

# KVL(OBUF(209:212)),REA(OBUF(213:216)),OBUF(217:217)
WRITE(70,1003)KVL(OBUF(221:224)),
# REA(OBUF(225:228)),OBUF(229:229),OBUF(233:233),
# OBUF(237:237),
# KVL(OBUF(241:244)),OBUF(245:255),KVL(OBUF(257:260)),
# REA(OBUF(261:264)),
# OBUF(265:265),KVL(OBUF(269:272)),REA(OBUF(273:276)),
# OBUF(277:277)
1000 FORMAT(8I6,' ',A3,6I6,' ',A2,I6,I6,F5.1,' ',A1,I6,F5.1,' ')
1002 FORMAT(A1,6I6,' ',A6,I6,F5.1,' ',A1,I6,F5.1,' ',A1)
1003 FORMAT(F5.2,3(' ',A1),I6,' ',A11,I6,F5.2,' ',A1,I6,F5.2,' ',A1)
1001 FORMAT(6I6,' ',A6,
# I6,2(' ',A1),I6,' ',A11,I6,F5.1,' ',A1,I6)
ELSE
WRITE(71,*) '*****'
WRITE(71,1010)KVL(OBUF(1:4)),KVL(OBUF(5:8)),KVL(OBUF(9:12)),
# KVL(OBUF(13:16)),KVL(OBUF(17:20)),KVL(OBUF(21:24)),
# KVL(OBUF(25:28)),KVL(OBUF(29:32)),OBUF(33:35),
# KVL(OBUF(37:40)),OBUF(41:43),KVL(OBUF(45:48)),
# KVL(OBUF(49:52)),KVL(OBUF(53:56)),KVL(OBUF(57:60)),
# KVL(OBUF(61:64)),KVL(OBUF(65:68)),KVL(OBUF(69:72)),
# KVL(OBUF(73:76)),KVL(OBUF(77:80)),REA(OBUF(81:84))
WRITE(71,1012)OBUF(85:85),KVL(OBUF(89:92)),REA(OBUF(93:96)),
# OBUF(97:97),KVL(OBUF(101:104)),KVL(OBUF(105:108)),
# KVL(OBUF(109:112)),KVL(OBUF(113:116)),KVL(OBUF(117:120)),
# KVL(OBUF(121:124)),OBUF(125:130),KVL(OBUF(133:136)),
# REA(OBUF(137:140)),OBUF(141:141),KVL(OBUF(145:148)),
# REA(OBUF(149:152)),OBUF(153:153),KVL(OBUF(157:160))
WRITE(71,1013) KVL(OBUF(161:164)),KVL(OBUF(165:168)),
# KVL(OBUF(169:172)),KVL(OBUF(173:176)),KVL(OBUF(177:180)),
# OBUF(181:186),OBUF(189:191),KVL(OBUF(193:196)),OBUF(197:208),
# KVL(OBUF(209:212)),OBUF(213:214),KVL(OBUF(217:220)),
# OBUF(221:221),OBUF(225:225),KVL(OBUF(229:232)),
# OBUF(233:243),KVL(OBUF(245:248)),REA(OBUF(249:252))
WRITE(71,1011)OBUF(253:253),KVL(OBUF(257:260)),
# REA(OBUF(261:264)),OBUF(265:265),OBUF(269:269),
# OBUF(273:273),KVL(OBUF(277:280)),OBUF(281:291),
# KVL(OBUF(293:296)),REA(OBUF(297:300)),OBUF(301:301),
# KVL(OBUF(305:308)),REA(OBUF(309:312)),OBUF(313:313)
1010 FORMAT(8I6,' ',A3,I6,' ',A3,9I6,F5.1,' ',A1,I6,F5.1)
1012 FORMAT (' ',A1,I6,F5.1,' ',A1,6I6,' ',A6,
# I6,F5.1,' ',A1,I6,F5.1,' ',A1,I6)
1013 FORMAT(5I6,' ',A6,' ',A3,' ',I6,' ',A12,I6,' ',A2,I6,2(' ',A1),
# I6,' ',A11,I6,F5.1)
1011 FORMAT(' ',A1,I6,F5.1,3(' ',A1),I6,' ',A11,I6,F5.1,' ',
# A1,I6,F5.1,' ',A1)
ENDIF
RETURN
END
SUBROUTINE SETTO(X,Y)
INTEGER*4 X,Y
X=Y
RETURN
END
SUBROUTINE ZERO(X,Y)
INTEGER*4 X(3),Y
DO 10 I=1,Y
X(I)=0
10 CONTINUE
RETURN
END
SUBROUTINE BLANKOUT(CH,N)
CHARACTER CH(100)
INTEGER*4 N,I
DO 10 I=1,N
CH(I)=' '

```

```

10 CONTINUE
END
SUBROUTINE ZEREAL(X,Y)
REAL X(10)
INTEGER*4 Y,I
DO 10 I=1,Y
X(I)=0.0
10 CONTINUE
RETURN
END
INTEGER*4 FUNCTION KVL(CH)
INTEGER*4 CH
KVL = CH
RETURN
END
FUNCTION REA(CH)
REAL CH,REA
REA = CH
RETURN
END

```

OK,

SLIST MES_INTVAL.F77

```

INTEGER FUNCTION INTVAL(CH)
CHARACTER*4 ICHT
INTEGER*4 X,Y
CHARACTER CH
EQUIVALENCE (ICHT,X)
ICHT=' '//CH
Y=' 0'
INTVAL=X-Y
RETURN
END

```

OK,

```

SLIST MES_RTNS.F77

SUBROUTINE RDTIME (TO,FH,ST,POFF,*)
CHARACTER*80 FH
INTEGER*4 TO(2),YR,DAY
INTEGER*4 ST,POFF
CALL RDINT (YR,FH,ST,POFF,2,*)
ST = ST +1
CALL RDINT (DAY,FH,ST,POFF,3,*)
ST = ST+1
CALL RDINT (TO(2),FH,ST,POFF,4,*)
TO(1)=YR*1000+DAY
RETURN
99 RETURN 1
END
INTEGER*4 FUNCTION FINDIG (LINE,ST,VAL)
INTEGER*4 ST,I,IVAL,INTVAL
EXTERNAL INTVAL
CHARACTER LINE(80)
DO 10 I=ST,80
  IF (LINE(I) .GE.'0'.AND.LINE(I).LE.'9') GO TO 20
10 CONTINUE
FINDIG = -1
RETURN
20 VAL=INTVAL(LINE(I))
FINDIG = I
RETURN
END
SUBROUTINE FINDINT (LINE,ST,POFF,LEN,VAL)
CHARACTER LINE(80)
INTEGER*4 ST,POFF,LEN,RST,XST,IST,VAL,TVAL
INTEGER*4 FINDIG
EXTERNAL FINDIG,LSTR%A
RST=FINDIG(LINE,ST,VAL)
IF (RST-ST.GT.POFF) GO TO 98
DO 10 XST=RST+1,RST+LEN-1
  IST=FINDIG(LINE,XST,TVAL)
  IF (IST.NE.XST) GO TO 99
  VAL=VAL*10+TVAL
10 CONTINUE
11 ST=RST
RETURN
98 ST=-1
RETURN
99 ST=-2
RETURN
END
SUBROUTINE FINDREAL (LINE,ST,POFF,ILEN,FLEN,RVAL)
CHARACTER LINE*80,CHS*20
REAL*8 RVAL,OVAL,T1,PWR
INTEGER*4 ST,POFF,ILEN,FLEN,IST,DST,IIVAL,FVAL,RPS,FINDIG
RPS=FINDIG(LINE,ST,IIVAL)
CALL FINDINT (LINE,ST,POFF,ILEN,IIVAL)
IF (ST.LT.0) GO TO 99
DST=ST+ILEN
IF (LINE(DST:DST).NE.',') GO TO 98
DST = DST+1
CALL FINDINT (LINE,DST,POFF,FLEN,FVAL)
IF (DST .LT. 0) GO TO 97
CHS=LINE(RPS:RPS+FLEN+ILEN)
C READ (CHS,*) RVAL
PWR=-FLEN
OVAL=IIVAL
T1=FVAL
RVAL=OVAL+T1*1.0D1**PWR
RETURN
END
SUBROUTINE RDREAL (TO,FH,ST,POFF,ILEN,FLEN,*)
CHARACTER*80 FH
INTEGER*4 ST,POFF,ILEN,FLEN
REAL*8 TO
CALL FINDREAL (FH,ST,POFF,ILEN,FLEN,TO)
IF (ST .LT.0) RETURN 1
C WRITE (1,11) TO
11 FORMAT (' REAL ',F20,10)
ST = ST+ILEN+FLEN+1
RETURN
END
SUBROUTINE RDFF(TO,FH,ST,POSSF,DL,FL,*)
INTEGER*4 ST,DL,FL,TEMP,POSSF,ITO
REAL TO
CHARACTER*80 FH
CALL RDINT (TEMP,FH,ST,POSSF,DL,*)
IF (FH(ST:ST).NE.',') GO TO 98
CALL RDINT (ITO,FH,ST,POSSF,FL,*)
TO=FLOAT(TEMP)+FLOAT(ITO)/FLOAT(10**FL)
C WRITE (*,*) TEMP,ITO,TO
RETURN
98 ST=-8
RETURN 1
99 ST=-7
RETURN 1
END
OK,
97 ST = DST
RETURN
98 ST=-5
RETURN
99 ST=ST-2
RETURN
END
SUBROUTINE RDINT (TO,FH,ST,POFF,LEN,*)
CHARACTER*80 FH
INTEGER*4 TO
INTEGER*4 ST,POFF,LEN
C WRITE (*,*) 'ST=',ST
CALL FINDINT (FH,ST,POFF,LEN,TO)
IF (ST .LT. 0) RETURN 1
C WRITE (1,11) TO
11 FORMAT (' INTEGER ',I10)
ST = ST+LEN
RETURN
END

```


SLIST COUNT.F77

```

C *****
C PROGRAM FOR COUNTING
C LUTS, SATELLITES, FLAGS, SRR'S AND GETTING
C TIME INFORMATION (HISTOGRAMS AND PERCENTS)
C *****
C -----PARAMETERS-----
C CHARACTER*1 VERT,CH
C CHARACTER*2 ASEC,BSEC,AF2,BF2
C CHARACTER*3 GOOD
C CHARACTER*9 FROM
C CHARACTER*11 HORIZ
C CHARACTER*5 CN
C CHARACTER*15 ERRORPMT
C PARAMETER(ERRORPMT = 'RECORD ERRORS =')
C PARAMETER(HORIZ = '-----')
C PARAMETER(VERT = 'I')
C PARAMETER(FROM = 'OCC TIME:')
C -----
C -----COMMON BLOCKS-----
C COMMON /BLOCK1/ ATSC(6),BTSC(6),ABTSC(6),AAFRCC(6),BAFRCC(6),
C *ABAFRCC(6),ACHCC(6),BCMCC(6),ABCCHCC(6),AMEXICO(6),BMEXICO(6),
C *BMEXICO(6),AOTHER(6),BOTHER(6),ABOTHER(6),ACGD01(6),BCGD01(6),
C *BCGD01(6),ACGD03(6),BCGD03(6),ABCGD03(6),ACGD05(6),BCGD05(6),
C *ABCGD05(6),ACGD07(6),BCGD07(6),ABCGD07(6),ACGD08(6),BCGD08(6),
C *ABCGD08(6),ACGD11(6),BCGD11(6),ABCGD11(6),ACGD12(6),BCGD12(6),
C *ABCGD12(6),ACGD13(6),BCGD13(6),ABCGD13(6),ACGD14(6),BCGD14(6),
C *ABCGD14(6),ACGD17(6),BCGD17(6),ABCGD17(6),ACGD17A(6),BCGD17A(6),
C *ABCGD17A(6),ACGD17J(6),BCGD17J(6),ABCGD17J(6),ACGD17K(6),
C *BCGD17K(6),ABCGD17K(6),AAACRCC(6),BAACRCC(6),ABAACRCC(6),ACGPA(6),
C *BCGPA(6),ABCGPA(6),ACGAA(6),BCGAA(6),ABCGAA(6)
C COMMON /BLOCK2/ C01C(6),C02C(6),C03C(6),S1S2C(6)
C COMMON /BLOCK3/ OC1,OC2,OC3,OC4,MC1,MC2,MC3,TCA1,TCA2,TCA3,TPC1,
C *TPC2,TPC3,FIF(4,5),THIR(4,5),HR(4,5),TDIF(4,5)
C COMMON /BLOCK4/ ORRLIST,FLAGA(500,13),COUNT(500,13)
C COMMON /BLOCK5/ HGR(6,5,28)
C COMMON /BLOCK6/ TD(5,5),ST(5,5),SSQ(5,5)
C COMMON /BLOCK7/ STARS,OY,TSCNESS,SAT,LUT,SRR,A,SRRB,
C *AFLAG,F1SITE,BFLAG,F2SITE
C COMMON /BLOCK8/ DI,YR,CN,DENO2
C INTEGER ORRLIST,COUNT,HGR,ZERO,RECORDS,DI,YR,DENO2,DENO3
C -----
C -----COUNTING INTEGERS-----
C INTEGER ATSC,BTSC,ABTSC,AAFRCC,BAFRCC,
C *ABAFRCC,AMEXICO,BMEXICO,ABCCHCC,ACHCC,
C *BCMCC,ABCCHCC,AOTHER,BOTHER,ABOTHER,ACGD01,
C *BCGD01,ABCGD01,ACGD03,BCGD03,ABCGD03,
C *ACGD05,BCGD05,ABCGD05,ACGD07,BCGD07,ABCGD07,
C *ACGD08,BCGD08,ABCGD08,ACGD11,BCGD11,ABCGD11,
C *ACGD12,BCGD12,ABCGD12,ACGD13,BCGD13,ABCGD13,
C *ACGD14,BCGD14,ABCGD14,ACGD17,BCGD17,ABCGD17,ACGD17A,BCGD17A,
C *ABCGD17A,ACGD17J,BCGD17J,ABCGD17J,ACGD17K,BCGD17K,ABCGD17K,
C *AAACRCC,BAACRCC,ABAACRCC,ACGPA,BCGPA,ABCGPA,ACGAA,BCGAA,ABCGAA,
C *C01C,C02C,C03C,S1S2C,TD,JD,KK,OMD,OCMC,BR,LL
C
C INTEGER LUTC(6),TOTAL,TDIF,
C *AFL1C,AFL2C,AFL3C,AFL4C,BFL1C,BFL2C,BFL3C,BFL4C,MESS,
C *RECERRDR,CSECA(3),CSECB(3),CSECAB(3)
C REAL HR,FIF,THIR,DENOM1,C1,NUM1,NEW1,OLD
C -----
C REAL VAR(5,6),MEAN(5,6),SSQ,ST,STD(5,6)

```

```

C
C INTEGER UN,LUT,HLIM1,HLIM2,HLIM3,LLIM1,LLIM2,LLIM3,LDAY,HDAY,
C *DAYS,FORC
C CHARACTER*11 FLAGA
C CHARACTER*6 SRR,A,SRRB
C CHARACTER*13 SAT,MESSCD
C CHARACTER AFLAG,BFLAG
C CHARACTER*11 F1SITE,F2SITE,STARS
C CHARACTER*20 INFILE
C INTEGER OY,OC1,OC2,OC3,OC4,MC1,MC2,MC3,TCA1,TCA2,TCA3,
C *TPC1,TPC2,TPC3,TPCA,TPCB
C CHARACTER TSCNESS*5
C -----
C -----DATA VARIABLES-----
C CHARACTER*10 TIMEINT(28),DTITLE(5),SECTIT(3)
C CHARACTER*7 RESCU(21)
C CHARACTER*4 STL(4)
C CHARACTER*6 LTNM(5),FLNM(5)
C -----
C DATA TIMEINT / '0:00-0:05','0:06-0:10','0:11-0:15','0:16-0:20',
C *'0:21-0:25','0:26-0:30','0:31-0:45','0:46-1:00','1:01-1:15',
C *'1:16-1:30','1:31-2:00','2:01-2:30','2:31-3:00','3:01-3:30',
C *'3:31-4:00','4:01-4:30','4:31-5:00','5:01-5:30','5:31-6:00',
C *'6:01-6:30','6:31-7:00','7:01-7:30','7:31-8:00','8:01-8:30',
C *'8:31-9:00','9:01-9:30','9:31-10:00','10:01-....' /
C DATA DTITLE / 'TLPC-TLCA','TMCC-TLPC','TMCC-TLCA','TOCC-TMCC',
C *'TOCC-TLCA' /
C DATA RESCU / 'CGD01','CGD03','CGD05','CGD07','CGD08','CGD11',
C *'CGD12','CGD13','CGD14','CGD17','CGD17A','CGD17J','CGD17K',
C *'CGPA','CGAA','AFRCC','AACRCC','CNCC','MEXICO','TSC',
C *'OTHER' /
C DATA STL / 'C01','C02','C03','SS' /
C DATA LTNM / 'LUT1','LUT2','LUT3','LUT4','LUT10' /
C DATA FLNM / 'FLAG1','FLAG2','FLAG3','FLAG4','FLAG5' /
C DATA SECTIT / 'MARITIME','INLAND','OTHER' /
C -----
C FROM = 'OCC TIME:'
C PRINT*,TYPE IN INPUT FILE NAME'
C READ(1,577)INFILE
C 577 FORMAT(A20)
C PRINT*,L',INFILE,L'
C IF(INFILE.EQ.'MESSAAA.DAT ') THEN
C FROM = 'RCC TIME:'
C DTITLE(4) = 'TRCC-TMCC'
C DTITLE(5) = 'TRCC-TLCA'
C ENDIF
C 3 PRINT*,A 121 OR 101 FILE...'
C READ(1,10)MESS
C IF ((MESS.NE.121).AND.(MESS.NE.101)) GO TO 3
C 10 FORMAT(I3)
C 1 PRINT*,ENTER START DATE (YYMMDD):'
C READ(1,13)LLIM1,LLIM2,LLIM3
C IF ((LLIM1.LT.81).OR.(LLIM1.GT.85)) GO TO 1
C IF ((LLIM2.LT.1).OR.(LLIM2.GT.12)) GO TO 1
C IF ((LLIM3.LT.1).OR.(LLIM3.GT.31)) GO TO 1
C 2 PRINT*,ENTER STOP DATE (YYMMDD):'
C READ(1,13)HLIM1,HLIM2,HLIM3
C IF (HLIM1.LT.LLIM1) GO TO 1
C IF ((HLIM1.LT.81).OR.(HLIM1.GT.85)) GO TO 2
C IF ((HLIM2.LT.1).OR.(HLIM2.GT.12)) GO TO 2
C IF ((HLIM3.LT.1).OR.(HLIM3.GT.31)) GO TO 2
C 13 FORMAT(J12)
C
C OPEN(UNIT = 9,FILE = INFILE,STATUS = 'OLD')

```

```

C
C SET COUNTS TO ZERO  JJ:LUT#  KK:TIME DIFF. REFERENCE
  DO 12 JJ = 1,5
    DO 11 KK = 1,4
      SSQ(KK,JJ) = 0
      ST(KK,JJ) = 0
  11 CONTINUE
  12 CONTINUE
C
  DO 1121 JJ = 1,3
    CSECA(JJ) = 0
    CSECB(JJ) = 0
    CSECAB(JJ) = 0
  1121 CONTINUE
  DO 111 JJ = 1,28
    DO 122 KK = 1,5
      DO 133 LL = 1,6
        HGR(LL, KK, JJ) = 0
      133 CONTINUE
    122 CONTINUE
  111 CONTINUE
C
C SET ALL COUNTS TO ZERO
  DO 50 N=1,6
    ATSC(N) = 0
    BTSC(N) = 0
    ABTSC(N) = 0
    AAFRCC(N) = 0
    BAFRCC(N) = 0
    ABAFRCC(N) = 0
    ACMCC(N) = 0
    BCMCC(N) = 0
    ABCMCC(N) = 0
    AMEXICO(N) = 0
    BMEXICO(N) = 0
    ABMEXICO(N) = 0
    AOTHER(N) = 0
    BOTHER(N) = 0
    ABOTHER(N) = 0
    ACGD01(N) = 0
    BCGD01(N) = 0
    ABCGD01(N) = 0
    ACGD03(N) = 0
    BCGD03(N) = 0
    ABCGD03(N) = 0
    ACGD05(N) = 0
    BCGD05(N) = 0
    ABCGD05(N) = 0
    ACGD07(N) = 0
    BCGD07(N) = 0
    ABCGD07(N) = 0
    ACGD08(N) = 0
    BCGD08(N) = 0
    ABCGD08(N) = 0
    ACGD11(N) = 0
    BCGD11(N) = 0
    ABCGD11(N) = 0
    ACGD12(N) = 0
    BCGD12(N) = 0
    ABCGD12(N) = 0
    ACGD13(N) = 0
    BCGD13(N) = 0
    ABCGD13(N) = 0
    ACGD14(N) = 0
    BCGD14(N) = 0
    ABCGD14(N) = 0

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ACGD17(N) = 0
ACGD17A(N) = 0
BCGD17A(N) = 0
ABCGD17A(N) = 0
ACGD17J(N) = 0
BCGD17J(N) = 0
ABCGD17J(N) = 0
ACGD17K(N) = 0
BCGD17K(N) = 0
ABCGD17K(N) = 0
BCGD17(N) = 0
ABCGD17(N) = 0
AAACRCC(N) = 0
BAACRCC(N) = 0
ABAACRCC(N) = 0
ACGPA(N) = 0
ECGPA(N) = 0
ABCGPA(N) = 0
ACGAA(N) = 0
BCGAA(N) = 0
ABCGAA(N) = 0
C01C(N) = 0
C02C(N) = 0
C03C(N) = 0
S1S2C(N) = 0
LUTC(N) = 0
50 CONTINUE
  TOTAL = 0
  AFLIC = 0
  RECORDS = 0
  AFL2C = 0
  AFL3C = 0
  AFL4C = 0
  BFLIC = 0
  BFL2C = 0
  BFL3C = 0
  DENO2 = 0
  RECCORR = 0
  ORRLIST = 1
  DO 6673 KK = 1,500
    FLAGA(KK,1) = 'XXXXX'
  6673 CONTINUE
C
C
OPEN(UNIT=10, FILE='MESSRORR', STATUS='NEW', ACCESS='SEQUENTIAL')
C READ IN A MESS121.DAT FILE
IF (MESS.EQ. 121) THEN
  MESSCD = '406'
3015 READ(9,15,END=900) STARS
  READ(9,20) OY, OC1, OC2, OC3, OC4, TSCHESS, MC1, MC2, MC3, SAT, LUT,
  * TCA1, TCA2, TCA3, TPC1, TPC2, TPC3
  READ(9,25) SRRA
  READ(9,30) SRRB, AFLAG, F1SITE
  READ(9,35) BFLAG, F2SITE
ENDIF
C READ IN A MESS101.DAT FILE
IF (MESS.EQ. 101) THEN
  MESSCD = '243 AND 121.5'
3115 READ(9,40,END=901) STARS
  READ(9,36) OY, OC1, OC2, OC3, OC4, TSCHESS, DI, YR, MC1, MC2, MC3, SAT,
  * LUT, TCA1, TCA2, TCA3, TPC1, TPC2, TPC3
  Q = Q + 1
  CN = TSCHESS
  READ(9,37) SRRA
  READ(9,38) SRRB, AFLAG, F1SITE
  READ(9,39) BFLAG

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      ENDIF
15  FORMAT(A11)
20  FORMAT(3I2,2X,2I2,1X,A5,9X,I3,2X,2I2,
* 13X,A3,14X,I2,3X,I3,2X,I2,I2,15X,I3,2X,I2,I2,17X)
25  FORMAT(52X,A6,32X)
30  FORMAT(31X,A6,40X,A,9X,A11,11X)
35  FORMAT(16X,A,9X,A11,25X)
36  FORMAT(3I2,2X,2I2,1X,A5,I6,I3,I3,2X,2I2,13X,A3,10X,I2,3X,
* I3,2X,2I2,3X,I3,2X,2I2)
37  FORMAT(38X,A6)
38  FORMAT(37X,A6,7X,A1,9X,A11)
39  FORMAT(9X,A1,/)
40  FORMAT(1X,A11)
C
CALL OCCMON(OC1,OC2,DAYS,OY)
CALL OCCMON(LLIM2,LLIM3,LDAY,LLIM1)
CALL OCCMON(HLIM2,HLIM3,HDAY,HLIM1)
IX1 = LLIM1*1000 + LDAY
IX2 = OY*1000 + DAYS
IX3 = HLIM1*1000 + HDAY
IF(IX2.GE.IX1.AND.IX2.LE.IX3) THEN
C
CALL ERRCHK(DAYS,MESS,RECCORR,GOOD)
IF (GOOD .EQ. 'NO') THEN
  IF (MESS .EQ. 121) GO TO 3015
  IF (MESS .EQ. 101) GO TO 3115
ENDIF
C
RECORDS = RECORDS + 1
C
PRINT*,RECORDS
IF (LUT .EQ. 1) THEN
  LUTC(1) = LUTC(1) + 1
  CALL SATCHK(LUT,SAT)
  CALL SRRCHK(1,SRRA,SRRB)
  CALL CONTIME(1,OY)
ENDIF
IF (LUT .EQ. 2) THEN
  LUTC(2) = LUTC(2) + 1
  CALL SATCHK(LUT,SAT)
  CALL SRRCHK(2,SRRA,SRRB)
  CALL CONTIME(2,OY)
ENDIF
IF (LUT .EQ. 3) THEN
  LUTC(3) = LUTC(3) + 1
  CALL SATCHK(LUT,SAT)
  CALL SRRCHK(3,SRRA,SRRB)
  CALL CONTIME(3,OY)
ENDIF
IF (LUT .EQ. 4) THEN
  LUTC(4) = LUTC(4) + 1
  CALL SATCHK(LUT,SAT)
  CALL SRRCHK(4,SRRA,SRRB)
  CALL CONTIME(4,OY)
ENDIF
IF (LUT .EQ. 10) THEN
  LUTCD = 5
  LUTC(5) = LUTC(5) + 1
  CALL SATCHK(LUTCD,SAT)
  CALL SRRCHK(5,SRRA,SRRB)
  CALL CONTIME(5,OY)
ENDIF
C
C ===== GENERAL INFORMATION COMPUTATIONS =====
C GENERATES TOTAL COUNTS OF LUTS, INDIVIDUAL SATELLITES,
C AND SEARCH & RESCUE REGIONS...TOTAL TIME FROM OCC TO MCC...
C TOTAL COUNTS OF INDIVIDUAL FLAGS(1,2,3,4,5), FLAG 2 SITES
C COUNT WITH REPECTIVE AREAS.
LUTCD = 6
LUTC(6) = LUTC(6) + 1
CALL SATCHK(LUTCD,SAT)
CALL SRRCHK(6,SRRA,SRRB)
AF2 = SRRA(1:2)
BF2 = SRRB(1:2)
IF (AF2 .EQ. 'CG') THEN
  ASEC = 'CG'
ELSE
  IF ((AF2 .EQ. 'AF').OR.(AF2 .EQ. 'AA')) THEN
    ASEC = 'IN'
  ELSE
    ASEC = 'OT'
  ENDIF
ENDIF
C
IF (BF2 .EQ. 'CG') THEN
  BSEC = 'CG'
ELSE
  IF ((BF2 .EQ. 'AF').OR.(BF2 .EQ. 'AA')) THEN
    BSEC = 'IN'
  ELSE
    BSEC = 'OT'
  ENDIF
ENDIF
CALL SECCHK(ASEC,BSEC,CSECA,CSECB,CSECAB)
C
IF (AFLAG .EQ. '1') AFL1C = AFL1C + 1
IF (AFLAG .EQ. '2') AFL2C = AFL2C + 1
IF (AFLAG .EQ. '3') AFL3C = AFL3C + 1
IF (AFLAG .EQ. '4') AFL4C = AFL4C + 1
IF (AFLAG .EQ. '5') AFL5C = AFL5C + 1
IF (BFLAG .EQ. '1') BFL1C = BFL1C + 1
IF (BFLAG .EQ. '2') BFL2C = BFL2C + 1
IF (BFLAG .EQ. '3') BFL3C = BFL3C + 1
IF (BFLAG .EQ. '4') BFL4C = BFL4C + 1
IF (BFLAG .EQ. '5') BFL5C = BFL5C + 1
ENDIF
C IF (HDAY.LT.DAYS) GO TO 900
IF (MESS.EQ.121) GO TO 3015
IF (MESS.EQ.101) GO TO 3115
900 CONTINUE
901 CONTINUE
C CLOSE 'MESSERROR'
ENDFILE(10)
CLOSE(10)
C CLOSE INPUT FILE
CLOSE(9)
C ===== GENERAL INFORMATION OUTPUT =====
C ----MEAN,VARIANCE,STANDARD DEVIATION COMPUTE-----
C JJ ==> LUT COUNT KK ==> TIME INTERVAL COUNT
DO 301 JJ = 1,5
DO 302 KK = 1,5
  IF (LUTC(JJ).NE.0) THEN
    MEAN(KK,JJ) = ST(KK,JJ)/LUTC(JJ)
    VAR(KK,JJ) = SSO(KK,JJ)/LUTC(JJ) - MEAN(KK,JJ)**2
    STD(KK,JJ) = SQRT(VAR(KK,JJ))
  ENDIF
302 CONTINUE
301 CONTINUE
C -----
C THIS SECTION COMBINES THE AVERAGES AND STD DEV FOR ALL LUTS
C KK ==> TIME INTERVAL COUNT JJ ==> LUT COUNT
DO 304 KK = 1,5

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MEAN(KK,6) = 0
STD(KK,6) = 0
DENOM1 = 0

DO 305 JJ = 1,4
  IF(LUTC(JJ),NE,0) THEN
    DENOM1 = DENOM1 + LUTC(JJ)
    MEAN(KK,6) = MEAN(KK,6) + MEAN(KK,JJ)*LUTC(JJ)
    TEMP = MEAN(KK,JJ)**2 + STD(KK,JJ)**2
    STD(KK,6) = STD(KK,6) + TEMP*LUTC(JJ)
  ENDIF
305 CONTINUE

IF(DENOM1,NE,0) THEN
  MEAN(KK,6) = MEAN(KK,6)/DENOM1
  LUTC(6) = DENOM1
  STD(KK,6) = STD(KK,6)/DENOM1 - MEAN(KK,6)**2
  STD(KK,6) = SQRT(STD(KK,6))
304 CONTINUE
C -----
C =====END GENERAL COMPUTATIONS=====
C
C =====GENERAL INFORMATION OUTPUT=====
  PRINT*, 'RECCORR =', RECCORR
  OPEN(UNIT=7, FILE='GENERAL', STATUS='NEW', ACCESS='SEQUENTIAL')
  IF (MESS.EQ.121)
    * WRITE(7,140) 'SARSAT ', MESSCD, ' MHZ BEACON REPORT'
    IF (MESS.EQ.101)
      * WRITE(7,140) 'SARSAT ', MESSCD, ' MHZ BEACON REPORT'
      * WRITE(7,141) '--- GENERAL INFORMATION OUTPUT ---'
      * WRITE(7,141) FROM, LLM1, LLM2, LLM3, HLM1, HLM2, HLM3
      * WRITE(7,142) 'TOTAL MESSAGES PROCESSED:', LUTC(6)
      * WRITE(7,143) 'SATELLITE COUNT LUT COUNT',
      * ' FLAGCOUNT A FLAGCOUNT B'
      * WRITE(7,143) '-----',
      * '-----'
      * WRITE(7,145) STL(1), C01C(6), LTNH(1), LUTC(1), FLNH(1), AFL1C,
      * FLNH(1), BFL1C
      * WRITE(7,145) STL(2), C02C(6), LTNH(2), LUTC(2), FLNH(2), AFL2C,
      * FLNH(2), BFL2C
      * WRITE(7,145) STL(3), C03C(6), LTNH(3), LUTC(3), FLNH(3), AFL3C,
      * FLNH(3), BFL3C
      * WRITE(7,145) STL(4), S1S2C(6), LTNH(4), LUTC(4), FLNH(4), AFL4C,
      * FLNH(4), BFL4C
      * WRITE(7,146) LTNH(5), LUTC(5), FLNH(5), AFL5C, FLNH(5), BFL5C
  C WRITE(7,147) 'FLAG2 OCCURRENCES...'
  * WRITE(7,150) 'SEARCH AND RESCUE REGION COUNT'
  * WRITE(7,151) 'SRR', 'ONLY A', 'ONLY B', 'BOTH A&B'
  * WRITE(7,152) '-----', '-----', '-----'
  * WRITE(7,153) RESCU(1), ACGD01(6), BCGD01(6), ABCGD01(6)
  * WRITE(7,153) RESCU(2), ACGD03(6), BCGD03(6), ABCGD03(6)
  * WRITE(7,153) RESCU(3), ACGD05(6), BCGD05(6), ABCGD05(6)
  * WRITE(7,153) RESCU(4), ACGD07(6), BCGD07(6), ABCGD07(6)
  * WRITE(7,153) RESCU(5), ACGD08(6), BCGD08(6), ABCGD08(6)
  * WRITE(7,153) RESCU(6), ACGD11(6), BCGD11(6), ABCGD11(6)
  * WRITE(7,153) RESCU(7), ACGD12(6), BCGD12(6), ABCGD12(6)
  * WRITE(7,153) RESCU(8), ACGD13(6), BCGD13(6), ABCGD13(6)
  * WRITE(7,153) RESCU(9), ACGD14(6), BCGD14(6), ABCGD14(6)
  * WRITE(7,153) RESCU(10), ACGD17(6), BCGD17(6), ABCGD17(6)
  * WRITE(7,153) RESCU(11), ACGD17A(6), BCGD17A(6), ABCGD17A(6)
  * WRITE(7,153) RESCU(12), ACGD17J(6), BCGD17J(6), ABCGD17J(6)
  * WRITE(7,153) RESCU(13), ACGD17K(6), BCGD17K(6), ABCGD17K(6)
  * WRITE(7,153) RESCU(14), ACGPA(6), BCGPA(6), ABCGPA(6)
  * WRITE(7,153) RESCU(15), ACGAA(6), BCGAA(6), ABCGAA(6)
  * WRITE(7,153) RESCU(16), AAFRC(6), BAFRC(6), ABAFRC(6)

  * WRITE(7,153) RESCU(17), AACRCC(6), BAACRCC(6), ABAACRCC(6)
  * WRITE(7,153) RESCU(18), ACMCC(6), BCMCC(6), ABCMCC(6)
  * WRITE(7,153) RESCU(19), AMEXICO(6), BMEXICO(6), ABMEXICO(6)
  * WRITE(7,153) RESCU(20), ATSC(6), BTSC(6), ABTSC(6)
  * WRITE(7,153) RESCU(21), AOTHER(6), BOTHER(6), ABOTHER(6)
  * WRITE(7,1544) 'SECTIONAL SEARCH AND RESCUE REGION COUNT'
  * WRITE(7,1644) 'ONLY A', 'ONLY B', 'BOTH A&B'
  * WRITE(7,1644) '-----', '-----', '-----'
  DO 1744 JJ = 1,3
    * WRITE(7,1844) SECTIT(JJ), CSECA(JJ), CSECB(JJ), CSECAB(JJ)
1744 CONTINUE
  * WRITE(7,155) ERRORPNT, RECCORR
140 FORMAT('1', //, 22X, A7, A3, A18, //)
144C FORMAT('1', //, 18X, A7, A13, A18, //)
141 FORMAT(18X, A36)
1411 FORMAT(22X, A9, 1X, I2, '//', I2, '//', I2, ' - ', I2, '//', I2, '//', I2, //)
142 FORMAT(10X, A25, I6, //)
143 FORMAT(4X, A29, A33)
145 FORMAT(6X, A4, 1X, I4, 9X, A6, I4, 5X, A6, 1X, I4, 5X, A6, 1X, I4)
146 FORMAT(24X, A6, I4, 5X, A6, I5, 5X, A6, I5, //)
147 FORMAT(10X, A21)
150 FORMAT(/, 20X, A31, //)
151 FORMAT(20X, A3, 5X, A6, 3X, A6, 3X, A8)
152 FORMAT(18X, A7, 3X, A6, 3X, A6, 3X, A8)
153 FORMAT(18X, A7, 4X, I4, 5X, I4, 6X, I4)
1544 FORMAT(/, 15X, A40, /)
1644 FORMAT(27X, 2(A6, 3X), A8)
1844 FORMAT(17X, A10, I5, 4X, I5, 5X, I5)
155 FORMAT(/, A15, 1X, I4)
C =====END GENERAL INFORMATION OUTPUT=====
C
C THE DELAY TABLE WRITE STATEMENTS FOR ALL LUTS ARE LOCATED AT
C THE END OF THE 'LUTSUM' WRITE STATEMENTS.
C
C ===== OUTPUT FOR INDIVIDUAL LUTS =====
C GENERATES TOTAL LUT COUNT, SATELLITE COUNT, TIME DELAYS
C AND TIME DELAY HISTOGRAMS
C
  OPEN(UNIT=8, FILE='LUTSUM', STATUS='NEW', ACCESS='SEQUENTIAL')
  DO 3333 UN=1,5
    IF (LUTC(UN),NE,0) THEN
      IF (MESS.EQ.121)
        * WRITE(8,60) 'SARSAT ', MESSCD, ' MHZ BEACON REPORT'
        IF (MESS.EQ.101)
          * WRITE(8,660) 'SARSAT ', MESSCD, ' MHZ BEACON REPORT'
          IF (UN,NE,5) THEN
            * WRITE(8,161) '----- LUT #', UN, ' OUTPUT -----'
            ELSE
              * FORC = 10
              * WRITE(8,161) '----- LUT #', UN, ' FORC, ' OUTPUT -----'
              * WRITE(8,1662) 'NOTE: THE TLCA AND TLPC DATA ARE NOT AVAILABLE',
              * ' FOR THE OTTAWA LUT'
            ENDIF
          * WRITE(8,1611) FROM, LLM1, LLM2, LLM3, HLM1, HLM2, HLM3
          IF (UN,NE,5) THEN
            * WRITE(8,162) 'TOTAL LUT #', UN, ' COUNT:', LUTC(UN)
            ELSE
              * WRITE(8,162) 'TOTAL LUT #', UN, ' FORC, ' COUNT:', LUTC(UN)
            ENDIF
          * WRITE(8,1622) 'SEARCH AND RESCUE REGION COUNT'
          * WRITE(8,163) 'SATELLITE COUNT', 'SRR', 'ONLY A', 'ONLY B', 'BOTH A&B'
          * WRITE(8,1633) '-----', '-----', '-----', '-----',
          * '-----'
          * WRITE(8,164) STL(1), C01C(UN), RESCU(1), ACGD01(UN), BCGD01(UN),
          * ABCGD01(UN)
          * WRITE(8,164) STL(2), C02C(UN), RESCU(2), ACGD03(UN), BCGD03(UN),

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*ABCGD03(UN)
WRITE(8,164)STL(3),C03C(UN),RESCU(3),ACGD05(UN),BCGD05(UN),
*ABCGD05(UN)
WRITE(8,164)STL(4),S1S2C(UN),RESCU(4),ACGD07(UN),BCGD07(UN),
*ABCGD07(UN)
WRITE(8,165)RESCU(5),ACGD08(UN),BCGD08(UN),ABCGD08(UN)
WRITE(8,165)RESCU(6),ACGD11(UN),BCGD11(UN),ABCGD11(UN)
WRITE(8,165)RESCU(7),ACGD12(UN),BCGD12(UN),ABCGD12(UN)
WRITE(8,165)RESCU(8),ACGD13(UN),BCGD12(UN),ABCGD13(UN)
WRITE(8,165)RESCU(9),ACGD14(UN),BCGD14(UN),ABCGD14(UN)
WRITE(8,165)RESCU(10),ACGD17(UN),BCGD17(UN),ABCGD17(UN)
WRITE(8,165)RESCU(11),ACGD17A(UN),BCGD17A(UN),ABCGD17A(UN)
WRITE(8,165)RESCU(12),ACGD17J(UN),BCGD17J(UN),ABCGD17J(UN)
WRITE(8,165)RESCU(13),ACGD17K(UN),BCGD17K(UN),ABCGD17K(UN)
WRITE(8,165)RESCU(14),ACGPA(UN),BCGPA(UN),ABCGPA(UN)
WRITE(8,165)RESCU(15),ACGAA(UN),BCGAA(UN),ABCGAA(UN)
WRITE(8,165)RESCU(16),AAFRCC(UN),BAFRCC(UN),ABAFRCC(UN)
WRITE(8,165)RESCU(17),AAACRCC(UN),BAACRCC(UN),ABAACRCC(UN)
WRITE(8,165)RESCU(18),ACHCC(UN),BCHCC(UN),ABCHCC(UN)
WRITE(8,165)RESCU(19),AMEXICO(UN),BMEXICO(UN),ABMEXICO(UN)
WRITE(8,165)RESCU(20),ATSC(UN),BTSC(UN),ABTSC(UN)
WRITE(8,165)RESCU(21),AOTHER(UN),BOTHER(UN),ABOTHER(UN)
WRITE(8,173)' '
C ----- TIME DELAY TABLE IN PERCENTS -----
WRITE(8,166)'% TIME DELAYS %'
WRITE(8,166)'% 15 MINUTES OR LESS % 30 M',
% 'INUTES OR LESS % 60 MINUTES OR LESS'
WRITE(8,166)'-----'
% '-----'
DO 1111 JJ = 1,4
WRITE(8,167)DTITLE(JJ),':',((FIF(JJ,UN)/LUTC(UN))*100),
% ((THIR(JJ,UN)/LUTC(UN))*100),((HR(JJ,UN)/LUTC(UN))*100)
1111 CONTINUE
WRITE(8,173)' '
C =====
C ----- OUTPUT FORMAT FOR LUT TIME DELAY TABLE -----
C =====
IF (UN .NE. 5) THEN
WRITE(8,169)'*** TIME DELAY TABLE FOR LUT #',UN,' ***'
ELSE
WRITE(8,169)'*** TIME DELAY TABLE FOR LUT #',FORC,' ***'
ENDIF
WRITE(8,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
% VERT,HORIZ,VERT,HORIZ,VERT
WRITE(8,174)VERT,'HR:MINS',VERT,DTITLE(1),VERT,DTITLE(2),VERT,
% DTITLE(3),VERT,DTITLE(4),VERT,DTITLE(5),VERT
WRITE(8,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
% VERT,HORIZ,VERT,HORIZ,VERT
DO 2222 INC = 1,28
IF (UN .NE. 5) THEN
WRITE(8,171)VERT,TIMEINT(INC),VERT,HGR(UN,1,INC),VERT,
% HGR(UN,2,INC),VERT,HGR(UN,3,INC),VERT,HGR(UN,4,INC),VERT,
% HGR(UN,5,INC),VERT
ELSE
ZERO=0
WRITE(8,171)VERT,TIMEINT(INC),VERT,ZERO,VERT,ZERO,VERT,
% ZERO,VERT,HGR(UN,4,INC),VERT,HGR(UN,5,INC),VERT
ENDIF
WRITE(8,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
% VERT,HORIZ,VERT,HORIZ,VERT
2222 CONTINUE
WRITE(8,1733)VERT,'MEAN',VERT,MEAN(1,UN),VERT,MEAN(2,UN),VERT,
% MEAN(3,UN),VERT,MEAN(4,UN),VERT,MEAN(5,UN),VERT
WRITE(8,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
% VERT,HORIZ,VERT,HORIZ,VERT
WRITE(8,1733)VERT,'STD',VERT,STD(1,UN),VERT,STD(2,UN),
% VERT,STD(3,UN),VERT,STD(4,UN),VERT,STD(5,UN),VERT
WRITE(8,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
% VERT,HORIZ,VERT,HORIZ,VERT
ENDIF
3333 CONTINUE
C
C----- DELAY TABLE FOR ALL LUTS WRITTEN INTO 'GENERAL'-----
C-----
C
UN = 6
WRITE(7,173)' '
WRITE(7,175)'*** TIME DELAY TABLE FOR ALL LUTS ***'
DEN03 = DEN01 - DEN02
WRITE(7,177) DEN03
WRITE(7,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
% VERT,HORIZ,VERT,HORIZ,VERT
WRITE(7,174)VERT,'HR:MINS',VERT,DTITLE(1),
% VERT,DTITLE(2),VERT,DTITLE(3),VERT,DTITLE(4),VERT,DTITLE(5),VERT
WRITE(7,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
% VERT,HORIZ,VERT,HORIZ,VERT
DO 4444 INC = 1,28
WRITE(7,171)VERT,TIMEINT(INC),VERT,HGR(UN,1,INC),VERT,
% HGR(UN,2,INC),VERT,HGR(UN,3,INC),VERT,HGR(UN,4,INC),VERT,
% HGR(UN,5,INC),VERT
WRITE(7,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
% VERT,HORIZ,VERT,HORIZ,VERT
4444 CONTINUE
WRITE(7,1733)VERT,'MEAN',VERT,MEAN(1,UN),VERT,MEAN(2,UN),VERT,
% MEAN(3,UN),VERT,MEAN(4,UN),VERT,MEAN(5,UN),VERT
WRITE(7,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
% VERT,HORIZ,VERT,HORIZ,VERT
WRITE(7,1733)VERT,'STD',VERT,STD(1,UN),VERT,STD(2,UN),VERT,
% STD(3,UN),VERT,STD(4,UN),VERT,STD(5,UN),VERT
WRITE(7,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
% VERT,HORIZ,VERT,HORIZ,VERT
60 FORMAT('1',/,21X,A7,A3,A18,/)
660 FORMAT('1',/,16X,A7,A13,A18,/)
161 FORMAT(21X,A12,I2,A15)
1662 FORMAT(1X,A46,A19)
1611 FORMAT(21X,A9,1X,2(I2,/''),I2,' - ',2(I2,/''),I2,/)
162 FORMAT(10X,A11,I2,A7,I4,/)
1622 FORMAT(33X,A30)
163 FORMAT(9X,A15,9X,A3,3X,A6,3X,A8)
1633 FORMAT(9X,A15,6X,A7,1X,A6,3X,A6,3X,A8)
164 FORMAT(12X,A4,1X,I4,9X,A7,2X,I4,5X,I4,6X,I4)
165 FORMAT(30X,A7,2X,I4,5X,I4,6X,I4)
1666 FORMAT(30X,A15,/)
166 FORMAT(13X,A29,A37)
167 FORMAT(1X,A9,A1,5X,F5.1,19X,F5.1,19X,F5.1)
169 FORMAT('1',23X,A31,I2,A5)
171 FORMAT(6X,A,1X,A9,1X,A,5(3X,I5,3X,A))
172 FORMAT(6X,6(A1,A11),A1)
173 FORMAT(/,A1)
1733 FORMAT(6X,A1,3X,A4,4X,5(A1,1X,F8.4,2X),A1)
174 FORMAT(6X,A1,2X,A7,2X,5(A1,1X,A9,1X),A1)
175 FORMAT('1',24X,A37)
177 FORMAT(25X,'BASED ON ',I4,' MESSAGES FROM U.S. LUTS')
180 FORMAT(A6,A,A9,A,A,5(A3,I5,A3,A))
185 FORMAT(6X,A,3X,A4,4X,5(A,1X,F9.4,A1),A)
ENDFILE(7)
CLOSE(7)
ENDFILE(8)
CLOSE(8)
C =====END OUTPUT FOR INDIVIDUAL LUTS=====
STOP

```

```

END
C=====
C   SUBROUTINE ERRCHK--CHECKS FOR DATA ERRORS
C=====
C   SUBROUTINE ERRCHK(DAY,MES,RECERROR,GOOD)
C
COMMON /BLOCK3/OC1,OC2,OC3,OC4,MC1,MC2,MC3,TCA1,TCA2,TCA3,
*TPC1,TPC2,TPC3,DUM1(4,5),DUM2(4,5),DUM3(4,5),DUM4(4,5)
COMMON /BLOCK7/ STARS,DY,TSCMESS,SAT,LUT,SRRA,SRRB,AFLAG,
*F1SITE,BFLAG,F2SITE
C
INTEGER OY,OC1,OC2,OC3,OC4,MC1,MC2,MC3,TCA1,TCA2,TCA3,
*TPC1,TPC2,TPC3,LUT
CHARACTER TSCMESS*5
CHARACTER*1 AFLAG,BFLAG
CHARACTER*3 GOOD
CHARACTER*6 SRRA,SRRB
CHARACTER*11 F1SITE,F2SITE,STARS
CHARACTER*13 SAT
INTEGER DAY,MES,RECERROR
C
GOOD = 'YES'
PRINT*, 'BFLAG...',BFLAG
IF ((OY .LT. 81) .OR. (OY .GT. 85)) GO TO 9010
IF ((OC1 .LT. 1) .OR. (OC1 .GT. 12)) GO TO 9010
IF ((OC2 .LT. 1) .OR. (OC2 .GT. 31)) GO TO 9010
IF ((OC3 .LT. 0) .OR. (OC3 .GT. 24)) GO TO 9010
IF ((OC4 .LT. 0) .OR. (OC4 .GT. 59)) GO TO 9010
IF ((MC1 .LT. 0) .OR. (MC1 .GT. 366)) GO TO 9010
IF ((MC2 .LT. 0) .OR. (MC2 .GT. 24)) GO TO 9010
IF ((MC3 .LT. 0) .OR. (MC3 .GT. 59)) GO TO 9010
IF ((ABS(MC1-DAY) .GT. 5) .OR. (DAY .LT. MC1)) THEN
C
PRINT*, 'MC1-DAY>5 OR DAY<MC1',MC1,DAY,MC1-DAY
GO TO 9010
ENDIF
IF ((LUT .NE. 1) .AND. (LUT .NE. 2) .AND. (LUT .NE. 3)) THEN
IF ((LUT.NE.4) .AND. (LUT.NE.10) .AND. (LUT.NE.20)) THEN
GO TO 9010
ENDIF
ENDIF
IF ((TCA1 .LT. 1) .OR. (TCA1 .GT. 366)) GO TO 9010
IF ((TCA2 .LT. 0) .OR. (TCA2 .GT. 24)) GO TO 9010
IF ((TCA3 .LT. 0) .OR. (TCA3 .GT. 59)) GO TO 9010
IF ((ABS(TCA1-DAY) .GT. 5) .OR. (DAY .LT. TCA1)) THEN
C
PRINT*, 'TCA1-DAY>5 OR DAY<TCA1'
GO TO 9010
ENDIF
IF ((TPC1 .LT. 1) .OR. (TPC1 .GT. 366)) GO TO 9010
IF ((TPC2 .LT. 0) .OR. (TPC2 .GT. 24)) GO TO 9010
IF ((TPC3 .LT. 0) .OR. (TPC3 .GT. 59)) GO TO 9010
IF ((AFLAG.NE.'1') .AND. (AFLAG.NE.'2') .AND. (AFLAG.NE.'3')) THEN
IF ((AFLAG .NE. '4') .AND. (AFLAG .NE. '5')) THEN
GO TO 9010
ENDIF
ENDIF
IF ((BFLAG.NE.'1') .OR. (BFLAG.NE.'2') .OR. (BFLAG.NE.'3')) THEN
C
IF ((BFLAG .NE. '4') .OR. (BFLAG .NE. '5')) THEN
C
PRINT*, 'IN BFLAG. IT =',BFLAG
GO TO 9010
C
ENDIF
C
ENDIF
IF ((ABS(TPC1-DAY) .GT. 5) .OR. (DAY .LT. TPC1)) THEN
C
PRINT*, 'TPC1-DAY>5 OR DAY<TPC1'
GO TO 9010
C
ENDIF
GO TO 9110

```

```

C
9010 RECERROR=RECERROR + 1
GOOD = 'NO'
WRITE(10,40)STARS
WRITE(10,99)
WRITE(10,41)OY,OC1,OC2,OC3,OC4,TSCMESS,MC1,MC2,
*MC3,SAT,LUT,TCA1,TCA2,TCA3,TPC1,
*TPC2,TPC3
WRITE(10,42)SRRA
WRITE(10,43)SRRB,AFLAG,F1SITE
WRITE(10,44)BFLAG
C
40 FORMAT(A11)
41 FORMAT(3I2,T11,2I2,T20,A5,T30,I3,T35,2I2,T45,A3,T50,I2,T65,
*I3,T70,2I2,T76,I3,T82,2I2)
99 FORMAT('OY OC12',T11,'DC34',T20,'TSCMES',T30,'MC1',T35,'MC23',
*T45,'SAT',T50,'LUT',T65,'AC1',T70,'TCA23',T76,'PC1',T82,'TPC23')
42 FORMAT(A6)
43 FORMAT(A6,A1,A11)
44 FORMAT(A1,/)
C
9110 RETURN
END
C=====
C   SUBROUTINE SATCHK--COUNTS SATELLITES
C=====
C   SUBROUTINE SATCHK(L,SATT)
COMMON /BLOCK2/ C01C(6),C02C(6),C03C(6),S1S2C(6)
INTEGER L,C01C,C02C,C03C,S1S2C
CHARACTER*3 SATT
C
IF (SATT .EQ. 'C01') C01C(L) = C01C(L) + 1
IF (SATT .EQ. 'C02') C02C(L) = C02C(L) + 1
IF (SATT .EQ. 'C03') C03C(L) = C03C(L) + 1
IF ((SATT.EQ.'S02') .OR. (SATT.EQ.'S01')) S1S2C(L) = S1S2C(L) + 1
C
RETURN
END
C=====
C   SUBROUTINE SRRCHK--COUNT SEARCH&RESCUE REGIONS
C=====
C   SUBROUTINE SRRCHK(K,ASR,BSR)
C
COMMON /BLOCK1/ ATSC(6),BTSC(6),ABTSC(6),AAFRC(6),BAFRC(6),
*ABAFRC(6),ACMCC(6),BCMCC(6),ABCMCC(6),AMEXICO(6),BMEXICO(6),
*ABMEXICO(6),AOTHER(6),BOTHER(6),ABOTHER(6),ACGD01(6),BCGD01(6),
*ABCGD01(6),ACGD03(6),BCGD03(6),ABCGD03(6),ACGD05(6),BCGD05(6),
*ABCGD05(6),ACGD07(6),BCGD07(6),ABCGD07(6),ACGD08(6),BCGD08(6),
*ABCGD08(6),ACGD11(6),BCGD11(6),ABCGD11(6),ACGD12(6),BCGD12(6),
*ABCGD12(6),ACGD13(6),BCGD13(6),ABCGD13(6),ACGD14(6),BCGD14(6),
*ABCGD14(6),ACGD17(6),BCGD17(6),ABCGD17(6),ACGD17A(6),BCGD17A(6),
*ABCGD17A(6),ACGD17J(6),BCGD17J(6),ABCGD17J(6),ACGD17K(6),
*BCGD17K(6),ABCGD17K(6),AAACRCC(6),BAACRCC(6),ABAACRCC(6),
*ACGPA(6),BCGPA(6),ABCGPA(6),ACGAA(6),BCGAA(6),ABCGAA(6)
C
INTEGER ATSC,BTSC,ABTSC,AAFRC,BAFRC,ABAFRC,ACMCC,BCMCC,
*ABCMCC,AMEXICO,BMEXICO,ABMEXICO,AOTHER,BOTHER,ABOTHER,
*ACGD01,BCGD01,ABCGD01,ACGD03,BCGD03,ABCGD03,ACGD05,BCGD05,
*ABCGD05,ACGD07,BCGD07,ABCGD07,ACGD08,BCGD08,ABCGD08,
*ACGD11,BCGD11,ABCGD11,ACGD12,BCGD12,ABCGD12,ACGD13,BCGD13,
*ABCGD13,ACGD14,BCGD14,ABCGD14,ACGD17,BCGD17,ABCGD17,
*ACGD17A,BCGD17A,ABCGD17A,ACGD17J,BCGD17J,ABCGD17J,ACGD17K,
*BCGD17K,ABCGD17K,AAACRCC,BAACRCC,ABAACRCC,ACGPA,BCGPA,
*ABCGPA,ACGAA,BCGAA,ABCGAA
C
CHARACTER*6 ASR,BSR

```


INTEGER K,L

C

```
IF (ASR .EQ. BSR) THEN
  IF (ASR .EQ. 'TSC ') ABTSC(K) = ABTSC(K) + 1
  IF (ASR .EQ. 'AFRCC ') ABAFRCC(K) = ABAFRCC(K) + 1
  IF (ASR .EQ. 'CMCC ') ABCMCC(K) = ABCMCC(K) + 1
  IF (ASR .EQ. 'MEXICO') ABMEXICO(K) = ABMEXICO(K) + 1
  IF (ASR .EQ. 'OTHER ') ABOTHER(K) = ABOTHER(K) + 1
  IF ((ASR .EQ. 'CGD1 ') .OR. (ASR .EQ. 'CGD01'))
  *ABCGD01(K) = ABCGD01(K) + 1
  IF ((ASR .EQ. 'CGD3 ') .OR. (ASR .EQ. 'CGD03'))
  *ABCGD03(K) = ABCGD03(K) + 1
  IF ((ASR .EQ. 'CGD5 ') .OR. (ASR .EQ. 'CGD05'))
  *ABCGD05(K) = ABCGD05(K) + 1
  IF ((ASR .EQ. 'CGD7 ') .OR. (ASR .EQ. 'CGD07'))
  *ABCGD07(K) = ABCGD07(K) + 1
  IF ((ASR .EQ. 'CGD8 ') .OR. (ASR .EQ. 'CGD08'))
  *ABCGD08(K) = ABCGD08(K) + 1
  IF (ASR .EQ. 'CGD11 ') ABCGD11(K) = ABCGD11(K) + 1
  IF (ASR .EQ. 'CGD12 ') ABCGD12(K) = ABCGD12(K) + 1
  IF (ASR .EQ. 'CGD13 ') ABCGD13(K) = ABCGD13(K) + 1
  IF (ASR .EQ. 'CGD14 ') ABCGD14(K) = ABCGD14(K) + 1
  IF (ASR .EQ. 'CGD17 ') ABCGD17(K) = ABCGD17(K) + 1
  IF (ASR .EQ. 'CGD17A') ABCGD17A(K) = ABCGD17A(K) + 1
  IF (ASR .EQ. 'CGD17J') ABCGD17J(K) = ABCGD17J(K) + 1
  IF (ASR .EQ. 'CGD17K') ABCGD17K(K) = ABCGD17K(K) + 1
  IF (ASR .EQ. 'AACRCC') ABAACRCC(K) = ABAACRCC(K) + 1
  IF (ASR .EQ. 'CGPA ') ABCGPA(K) = ABCGPA(K) + 1
  IF (ASR .EQ. 'CGAA ') ABCGAA(K) = ABCGAA(K) + 1
ELSE
  IF (ASR .EQ. 'TSC ') ATSC(K) = ATSC(K) + 1
  IF (ASR .EQ. 'AFRCC ') AAFRCC(K) = AAFRCC(K) + 1
  IF (ASR .EQ. 'CMCC ') ACMCC(K) = ACMCC(K) + 1
  IF (ASR .EQ. 'MEXICO') AMEXICO(K) = AMEXICO(K) + 1
  IF (ASR .EQ. 'OTHER ') AOTHER(K) = AOTHER(K) + 1
  IF ((ASR .EQ. 'CGD1 ') .OR. (ASR .EQ. 'CGD01'))
  *ACGD01(K) = ACGD01(K) + 1
  IF ((ASR .EQ. 'CGD3 ') .OR. (ASR .EQ. 'CGD03'))
  *ACGD03(K) = ACGD03(K) + 1
  IF ((ASR .EQ. 'CGD5 ') .OR. (ASR .EQ. 'CGD05'))
  *ACGD05(K) = ACGD05(K) + 1
  IF ((ASR .EQ. 'CGD7 ') .OR. (ASR .EQ. 'CGD07'))
  *ACGD07(K) = ACGD07(K) + 1
  IF ((ASR .EQ. 'CGD8 ') .OR. (ASR .EQ. 'CGD08'))
  *ACGD08(K) = ACGD08(K) + 1
  IF (ASR .EQ. 'CGD11 ') ACGD11(K) = ACGD11(K) + 1
  IF (ASR .EQ. 'CGD12 ') ACGD12(K) = ACGD12(K) + 1
  IF (ASR .EQ. 'CGD13 ') ACGD13(K) = ACGD13(K) + 1
  IF (ASR .EQ. 'CGD14 ') ACGD14(K) = ACGD14(K) + 1
  IF (ASR .EQ. 'CGD17 ') ACGD17(K) = ACGD17(K) + 1
  IF (ASR .EQ. 'CGD17A') ACGD17A(K) = ACGD17A(K) + 1
  IF (ASR .EQ. 'CGD17J') ACGD17J(K) = ACGD17J(K) + 1
  IF (ASR .EQ. 'CGD17K') ACGD17K(K) = ACGD17K(K) + 1
  IF (ASR .EQ. 'AACRCC') AAACRCC(K) = AAACRCC(K) + 1
  IF (ASR .EQ. 'CGPA ') ACGPA(K) = ACGPA(K) + 1
  IF (ASR .EQ. 'CGAA ') ACGAA(K) = ACGAA(K) + 1
  IF (BSR .EQ. 'TSC ') BTSC(K) = BTSC(K) + 1
  IF (BSR .EQ. 'AFRCC ') BAFRCC(K) = BAFRCC(K) + 1
  IF (BSR .EQ. 'CMCC ') BCMCC(K) = BCMCC(K) + 1
  IF (BSR .EQ. 'MEXICO') BMEXICO(K) = BMEXICO(K) + 1
  IF (BSR .EQ. 'OTHER ') BOTHER(K) = BOTHER(K) + 1
  IF ((BSR .EQ. 'CGD1 ') .OR. (BSR .EQ. 'CGD01'))
  *BCGD01(K) = BCGD01(K) + 1
  IF ((BSR .EQ. 'CGD3 ') .OR. (BSR .EQ. 'CGD03'))
  *BCGD03(K) = BCGD03(K) + 1
  IF ((BSR .EQ. 'CGD5 ') .OR. (BSR .EQ. 'CGD05'))
```

```
*BCGD05(K) = BCGD05(K) + 1
  IF ((BSR .EQ. 'CGD7 ') .OR. (BSR .EQ. 'CGD07'))
  *BCGD07(K) = BCGD07(K) + 1
  IF ((BSR .EQ. 'CGD8 ') .OR. (BSR .EQ. 'CGD08'))
  *BCGD08(K) = BCGD08(K) + 1
  IF (BSR .EQ. 'CGD11 ') BCGD11(K) = BCGD11(K) + 1
  IF (BSR .EQ. 'CGD12 ') BCGD12(K) = BCGD12(K) + 1
  IF (BSR .EQ. 'CGD13 ') BCGD13(K) = BCGD13(K) + 1
  IF (BSR .EQ. 'CGD14 ') BCGD14(K) = BCGD14(K) + 1
  IF (BSR .EQ. 'CGD17 ') BCGD17(K) = BCGD17(K) + 1
  IF (BSR .EQ. 'CGD17A') BCGD17A(K) = BCGD17A(K) + 1
  IF (BSR .EQ. 'CGD17J') BCGD17J(K) = BCGD17J(K) + 1
  IF (BSR .EQ. 'CGD17K') BCGD17K(K) = BCGD17K(K) + 1
  IF (BSR .EQ. 'AACRCC') BAACRCC(K) = BAACRCC(K) + 1
  IF (BSR .EQ. 'CGPA ') BCGPA(K) = BCGPA(K) + 1
  IF (BSR .EQ. 'CGAA ') BCGAA(K) = BCGAA(K) + 1
ENDIF
RETURN
END
```

C =====

C SUBROUTINE CONTIME--CALCULATES TIME DIFFERENCES

C =====

SUBROUTINE CONTIME(LT, OY)

C

```
COMMON /BLOCK3/ O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3,
*FP(4,5),TP(4,5),SP(4,5)
COMMON /BLOCK6/ DIF(5,5),SUMT(5,5),SUMSQ(5,5)
```

C

```
INTEGER MCC,OCC,TPC,TCA,DIF,LT,OCM,OY,
*O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3,MCH,O,ND
REAL FP,SP,TP,SUMT,SUMSQ
```

C

LOGICAL FLAG

FLAG = .TRUE.

CALL OCCMON(O1,O2,OCM,OY)

OCC = (OCM*1440) + (O3*60) + O4

MCC = (M1*1440) + (M2*60) + M3

TCA = (TC1*1440) + (TC2*60) + TC3

TPC = (TP1*1440) + (TP2*60) + TP3

IF (LT.NE.5) THEN

FOR THESE TIME DIFFERENCES LUT 10 IS NOT CALCULATED

BECAUSE OF FALSE DATA FIELDS

C

DIF(1,LT) = TPC - TCA

CC

ND = DIF(1,LT)

C

CALL TESTND(ND)

C

CALL HISTGRAM(LT,1,ND)

C

CALL HISTGRAM(6,1,ND)

C

DIF(2,LT) = MCC - TPC

C

ND = DIF(2,LT)

C

CALL TESTND(ND)

C

CALL HISTGRAM(LT,2,ND)

C

CALL HISTGRAM(6,2,ND)

C

DIF(3,LT) = MCC - TCA

C

ND = DIF(3,LT)

C

CALL TESTND(ND)

C

CALL HISTGRAM(LT,3,ND)

C

CALL HISTGRAM(6,3,ND)

C

DIF(5,LT) = OCC - TCA

C

ND = DIF(5,LT)

C

CALL TESTND(ND)

C

CALL HISTGRAM(LT,5,ND)

C

CALL HISTGRAM(6,5,ND)

DIF(1,LT) = TPC - TCA

DIF(2,LT) = MCC - TPC

DIF(3,LT) = MCC - TCA

DIF(4,LT) = OCC - MCC


```

DIF(5,LT) = OCC - TCA
DO 5050 I = 1,5
  IF(DIF(I,LT),EQ,-1) DIF(I,LT) = 0
  IF(DIF(I,LT),EQ,-2) DIF(I,LT) = 0
  IF(DIF(I,LT),EQ,-3) DIF(I,LT) = 0
5050 CONTINUE
CALL TESTDIF(FLAG,LT)
IF(FLAG,EQV.,TRUE.,AND,OCC,NE,0) THEN
  DO 606 I = 1,5
    ND = DIF(I,LT)
    CALL HISTGRAM(LT,I,ND)
    CALL HISTGRAM(6,I,ND)
606 CONTINUE
CALL ADDTIME(LT,DIF)
ENDIF
ENDIF
C DIF(4,LT) = OCC - MCC
C ND = DIF(4,LT)
C CALL TESTND(ND)
C CALL HISTGRAM(LT,4,ND)
C CALL HISTGRAM(6,4,ND)
C CALL ADDTIME(LT,DIF)
DO 666 Q = 1,4
  IF (DIF(Q,LT),LE,15) FP(Q,LT)=FP(Q,LT)+1.0
  IF (DIF(Q,LT),LE,30) TP(Q,LT)=TP(Q,LT)+1.0
  IF (DIF(Q,LT),LE,60) SP(Q,LT)=SP(Q,LT)+1.0
666 CONTINUE
RETURN
END
C SUBROUTINE TO CHECK OUT THE ND
SUBROUTINE TESTDIF(FLAG,LT)
COMMON /BLOCK3/ D1,D2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3,
*FP(4,5),TP(4,5),SP(4,5)
COMMON /BLOCK8/ DI,YR,CN,DENO2
COMMON /BLOCK6/ DIFF(5,5),SUMT(5,5),SUMSQ(5,5)
COMMON /BLOCK7/ STARS,OY,TSCHESS,SAT,LUT,SRRA,SRRB,
*FLAG,FSITE,BFLAG,FSITE
INTEGER ND,LT,DIFF,DI,YR,DENO2
CHARACTER TSCHESS*5
CHARACTER*5 CN
LOGICAL FLAG,FLAG2
INTEGER O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3
REAL NHOUR
FLAG = .TRUE.
FLAG2 = .TRUE.
DO 707 I = 1,5
  IF(DIFF(I,LT),LT,0,OR,DIFF(I,LT),GT,600) FLAG = .FALSE.
  IF(DIFF(I,LT),GE,600,AND,DIFF(I,LT),LE,1430) FLAG2 = .FALSE.
707 CONTINUE
IF (FLAG,EQV.,FALSE.) THEN
  DENO2 = DENO2 + 1
  PRINT*, ' '
  PRINT*,DIFF(1,LT),DIFF(2,LT),DIFF(3,LT),DIFF(4,LT),DIFF(5,LT),
*DI,YR,CN
WRITE(1,10) O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3
C NHOUR = ND/60
C PRINT*,ND = 'ND,' HOURS = 'NHOUR'
ENDIF
IF(FLAG2,EQV.,FALSE.) THEN
  PRINT*, '***'
  PRINT*,DIFF(1,LT),DIFF(2,LT),DIFF(3,LT),DIFF(4,LT),DIFF(5,LT),
*DI,YR,CN
WRITE(1,10) O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3
  PRINT*, '***'
ENDIF
10 FORMAT(13(I4,1X))

```

```

RETURN
END
C =====
C SUBROUTINE OCCMON--CONVERTS MONTH-DAY TO JULIAN DAYS
C =====
SUBROUTINE OCCMON(MON,DAY,TOTDAY,YEAR)
C
C THIS ROUTINE CHANGES MON-DAY TO JULIAN DAYS
C
C INTEGER MON,DAY,ADDDAY,TOTDAY,I,YEAR
C CHARACTER FLAG
C
FLAG = '0'
ADDDAY = 0
TOTDAY = 0
IF (MON .NE. 1) THEN
  DO 700 I = 2,MON
    IF ((I,EQ,5),OR,(I,EQ,7),OR,(I,EQ,10)
*.OR,(I,EQ,12)) ADDDAY = 30
    IF ((I,EQ,2),OR,(I,EQ,4),OR,(I,EQ,6),OR,(I,EQ,8),OR,
*(I,EQ,9),OR,(I,EQ,11)) ADDDAY = 31
    IF(I,EQ,3) THEN
      IF(YEAR,EQ,84) THEN
        ADDDAY = 29
      ELSE
        ADDDAY = 28
      ENDIF
    ENDIF
  ENDIF
  TOTDAY = TOTDAY + ADDDAY
700 CONTINUE
ENDIF
TOTDAY = TOTDAY+DAY
RETURN
END
C =====
C SUBROUTINE CHKFLAG--COUNTS TYPES OF FLAG #2
C =====
SUBROUTINE CHKFLAG(FSITE,CGD)
C
COMMON /BLOCK4/ ORRLIST,FLAGA(500,13),COUNT(500,13)
INTEGER ORRLIST,COUNT,I,DIST
CHARACTER*3 INLIST
CHARACTER*11 FSITE,FLAGA,CGD
INLIST = 'NO'
C IF ((CGD ,EQ. 'CGD01'),OR,(CGD ,EQ. 'CGD1')) DIST = 1
C IF ((CGD ,EQ. 'CGD03'),OR,(CGD ,EQ. 'CGD3')) DIST = 2
C IF ((CGD ,EQ. 'CGD05'),OR,(CGD ,EQ. 'CGD5')) DIST = 3
C IF ((CGD ,EQ. 'CGD07'),OR,(CGD ,EQ. 'CGD7')) DIST = 4
C IF ((CGD ,EQ. 'CGD08'),OR,(CGD ,EQ. 'CGD8')) DIST = 5
C IF (CGD ,EQ. 'CGD11') DIST = 6
C IF (CGD ,EQ. 'CGD12') DIST = 7
C IF (CGD ,EQ. 'CGD13') DIST = 8
C IF (CGD ,EQ. 'CGD14') DIST = 9
C IF (CGD ,EQ. 'CGD17') DIST = 10
C IF (CGD ,EQ. 'CGD17A') DIST = 11
C IF (CGD ,EQ. 'CGD17J') DIST = 12
C IF (CGD ,EQ. 'CGD17K') DIST = 13
DO 3000 I = 1,ORRLIST
C IF (FSITE ,EQ. FLAGA(ORRLIST,DIST)) THEN
C COUNT(ORRLIST,DIST) = COUNT(ORRLIST,DIST) + 1
C INLIST = 'YES'
C ENDIF
C3000 CONTINUE
C IF (INLIST .NE. 'YES') THEN
C ORRLIST = ORRLIST + 1
C FLAGA(ORRLIST,DIST) = FSITE

```

```

C   ENDIF
C   RETURN
C   END
C =====
C   SUBROUTINE HISTGRAM--GENERATES HISTOGRAM VALUES FOR
C   TIME DELAYS
C =====
C   SUBROUTINE HISTGRAM(B,C,NWD)
C
C   COMMON /BLOCK5/ HG(6,5,28)
C   INTEGER NWD,HG,C,B
C
C   IF ((NWD,GE,0),AND,(NWD,LE,5)) HG(B,C,1) = HG(B,C,1) + 1
C   IF ((NWD,GT,5),AND,(NWD,LE,10)) HG(B,C,2) = HG(B,C,2) + 1
C   IF ((NWD,GT,10),AND,(NWD,LE,15)) HG(B,C,3) = HG(B,C,3) + 1
C   IF ((NWD,GT,15),AND,(NWD,LE,20)) HG(B,C,4) = HG(B,C,4) + 1
C   IF ((NWD,GT,20),AND,(NWD,LE,25)) HG(B,C,5) = HG(B,C,5) + 1
C   IF ((NWD,GT,25),AND,(NWD,LE,30)) HG(B,C,6) = HG(B,C,6) + 1
C   IF ((NWD,GT,30),AND,(NWD,LE,45)) HG(B,C,7) = HG(B,C,7) + 1
C   IF ((NWD,GT,45),AND,(NWD,LE,60)) HG(B,C,8) = HG(B,C,8) + 1
C   IF ((NWD,GT,60),AND,(NWD,LE,75)) HG(B,C,9) = HG(B,C,9) + 1
C   IF ((NWD,GT,75),AND,(NWD,LE,90))HG(B,C,10) = HG(B,C,10) + 1
C   IF ((NWD,GT,90),AND,(NWD,LE,120))HG(B,C,11) = HG(B,C,11) + 1
C   IF ((NWD,GT,120),AND,(NWD,LE,150))HG(B,C,12) = HG(B,C,12) + 1
C   IF ((NWD,GT,150),AND,(NWD,LE,180))HG(B,C,13) = HG(B,C,13) + 1
C   IF ((NWD,GT,180),AND,(NWD,LE,210))HG(B,C,14) = HG(B,C,14) + 1
C   IF ((NWD,GT,210),AND,(NWD,LE,240))HG(B,C,15) = HG(B,C,15) + 1
C   IF ((NWD,GT,240),AND,(NWD,LE,270))HG(B,C,16) = HG(B,C,16) + 1
C   IF ((NWD,GT,270),AND,(NWD,LE,300))HG(B,C,17) = HG(B,C,17) + 1
C   IF ((NWD,GT,300),AND,(NWD,LE,330))HG(B,C,18) = HG(B,C,18) + 1
C   IF ((NWD,GT,330),AND,(NWD,LE,360))HG(B,C,19) = HG(B,C,19) + 1
C   IF ((NWD,GT,360),AND,(NWD,LE,390))HG(B,C,20) = HG(B,C,20) + 1
C   IF ((NWD,GT,390),AND,(NWD,LE,420))HG(B,C,21) = HG(B,C,21) + 1
C   IF ((NWD,GT,420),AND,(NWD,LE,450))HG(B,C,22) = HG(B,C,22) + 1
C   IF ((NWD,GT,450),AND,(NWD,LE,480))HG(B,C,23) = HG(B,C,23) + 1
C   IF ((NWD,GT,480),AND,(NWD,LE,510))HG(B,C,24) = HG(B,C,24) + 1
C   IF ((NWD,GT,510),AND,(NWD,LE,540))HG(B,C,25) = HG(B,C,25) + 1
C   IF ((NWD,GT,540),AND,(NWD,LE,570))HG(B,C,26) = HG(B,C,26) + 1
C   IF ((NWD,GT,570),AND,(NWD,LE,600))HG(B,C,27) = HG(B,C,27) + 1
C   IF (NWD,GT,600) HG(B,C,28) = HG(B,C,28) + 1
C   RETURN
C   END
C
C =====
C   SUBROUTINE TO FIND SECTIONAL SEARCH AND RESCUE REGION COUNTS
C   FOR GENERAL COMPUTATIONS
C   VARIABLE DEFINITIONS
C   SEC : 'CG' ==> MARITIME
C   'IN' ==> INLAND
C   'OT' ==> OTHER
C   AZ(3): INCREMENT ONLY IF THE 'A' HIT IS IN 'SEC' REGION
C   BZ(3): INCREMENT ONLY IF THE 'B' HIT IS IN 'SEC' REGION
C   ABZ(3): INCREMENT ONLY IF BOTH HITS ARE IN 'SEC' REGION
C =====
C   SUBROUTINE SECCHK(A,B,AZ,BZ,ABZ)
C
C   INTEGER KK,AZ(3),BZ(3),ABZ(3)
C   CHARACTER*2,SEC,A,B
C
C   DO 8383 KK = 1,3
C     IF (KK, .EQ., 1) SEC = 'CG'
C     IF (KK, .EQ., 2) SEC = 'IN'
C     IF (KK, .EQ., 3) SEC = 'OT'
C     IF (A, .EQ., SEC) THEN
C       IF (B, .EQ., SEC) THEN
C         ADZ(KK) = ABZ(KK) + 1
C       ELSE
C         AZ(KK) = AZ(KK)+1
C       ENDIF
C     ELSE
C       BZ(KK) = BZ(KK) + 1
C     ENDIF
C   CONTINUE
C   RETURN
C   END
C
C   SUBROUTINE ADDTIME(L,TD)
C
C   COMMON /BLOCK6/ TDF(5,5),SUMT(5,5),SUMSQ(5,5)
C   INTEGER L,TDF,FF
C   REAL SUMT,SUMSQ
C
C   DO 9876 FF = 1,5
C     SUMT(FF,L) = SUMT(FF,L) + TDF(FF,L)
C     SUMSQ(FF,L) = SUMSQ(FF,L) + TDF(FF,L)**2
C   CONTINUE
C   RETURN
C   END
C
C   OK,

```

SLIST RCC_COUNT.F77

C THIS IS A COPY OF COUNT.F77 THAT JOHN B. HAS CHANGED TO A RCC BREAKDOWN

C *****
C PROGRAM FOR COUNTING
C LUTS, SATELLITES, FLAGS, SRR'S AND GETTING
C TIME INFORMATION (HISTOGRAMS AND PERCENTS)
C *****

C -----PARAMETERS-----

C CHARACTER#1 VERT,CH
C CHARACTER#2 ASEC,BSEC,AF2,BF2
C CHARACTER#9 FROM
C CHARACTER#11 HORIZ
C CHARACTER#5 CN
C CHARACTER#15 ERRORPMT
C PARAMETER(ERRORPMT = 'RECORD ERRORS =')
C PARAMETER(HORIZ = '-----')
C PARAMETER(VERT = 'I')
C PARAMETER(FROM = 'OCC TIME:')
C -----

C -----COMMON BLOCKS-----

C COMMON /BLOCK1/ ATSC(6),BTSC(6),ABTSC(6),AAFRC(6),BAFRCC(6),
C *ABAFRC(6),ACHCC(6),BCMCC(6),ABMCC(6),AMEXICO(6),BMEXICO(6),
C *ABMEXICO(6),AOTHER(6),BOTHER(6),ABOTHER(6),ACGD01(6),BCGD01(6),
C *ABCGD01(6),ACGD03(6),BCGD03(6),ABCGD03(6),ACGD05(6),BCGD05(6),
C *ABCGD05(6),ACGD07(6),BCGD07(6),ABCGD07(6),ACGD08(6),BCGD08(6),
C *ABCGD08(6),ACGD11(6),BCGD11(6),ABCGD11(6),ACGD12(6),BCGD12(6),
C *ABCGD12(6),ACGD13(6),BCGD13(6),ABCGD13(6),ACGD14(6),BCGD14(6),
C *ABCGD14(6),ACGD17(6),BCGD17(6),ABCGD17(6),ACGD17A(6),BCGD17A(6),
C *ABCGD17A(6),ACGD17J(6),BCGD17J(6),ABCGD17J(6),ACGD17K(6),
C *BCGD17K(6),ABCGD17K(6),AAACRCC(6),BAACRCC(6),ABAACRCC(6),ACGPA(6),
C *BCGPA(6),ABCGPA(6),ACGAA(6),BCGAA(6),ABCGAA(6)
C COMMON /BLOCK2/ C01C(12),C02C(12),C03C(12),S01C(12),S02C(12)
C COMMON /BLOCK3/ OC1,OC2,OC3,OC4,MC1,MC2,MC3,TCA1,TCA2,TCA3,
C *TPC1,TPC2,TPC3,FIF(4,12),THIR(4,12),HR(4,12),TDIF(4,12)
C COMMON /BLOCK4/ ORRLIST,FLAGA(500,13),COUNT(500,13)
C COMMON /BLOCK5/ HGR(12,5,28)
C COMMON /BLOCK6/ TD(5,12),ST(5,12),SSQ(5,12)
C COMMON /BLOCK7/ STARS,OY,TSCHESS,SAT,LUT,SRRA,SRRB,
C *AFLAG,F1SITE,BFLAG,F2SITE
C COMMON /BLOCK8/ DI,YR,CN,DEND2
C INTEGER ORRLIST,COUNT,HGR,ZERO,RECORDS,DI,YR,DEND2,DEND3

C -----COUNTING INTEGERS-----

C INTEGER ATSC,BTSC,ABTSC,AAFRC,BAFRCC,
C *ABAFRC,AMEXICO,BMEXICO,ABMEXICO,ACHCC,
C *BCMCC,ABMCC,AOTHER,BOTHER,ABOTHER,ACGD01,
C *BCGD01,ABCGD01,ACGD03,BCGD03,ABCGD03,
C *ACGD05,BCGD05,ABCGD05,ACGD07,BCGD07,ABCGD07,
C *ACGD08,BCGD08,ABCGD08,ACGD11,BCGD11,ABCGD11,
C *ACGD12,BCGD12,ABCGD12,ACGD13,BCGD13,ABCGD13,
C *ACGD14,BCGD14,ABCGD14,ACGD17,BCGD17,ABCGD17,ACGD17A,BCGD17A,
C *ABCGD17A,ACGD17J,BCGD17J,ABCGD17J,ACGD17K,BCGD17K,ABCGD17K,
C *AAACRCC,BAACRCC,ABAACRCC,ACGPA,BCGPA,ABCGPA,ACGAA,BCGAA,ABCGAA,
C *C01C,C02C,C03C,TD,JI,KK,OND,OCMC,BR,LL,S01C,S02C
C
C INTEGER DX(11)
C INTEGER LUTC(12),TOTAL,TDIF,
C *AFL1C,AFL2C,AFL3C,AFL4C,BFL1C,BFL2C,BFL3C,BFL4C,
C *RECERROR,CSECA(3),CSECB(3),CSECAB(3)
C REAL HR,FIF,THIR,DENOM1,C1,NUM1,NEW1,OLD
C CHARACTER#2 GOOD
C -----

C
C REAL VAR(5,12),MEAN(5,12),SSQ,ST,STD(5,12)
C
C INTEGER UN,LUT,HLIM1,HLIM2,HLIM3,LLIM1,LLIM2,LLIM3,LDAY,
C *HDAY,DAYS,FORC
C CHARACTER#11 FLAGA
C CHARACTER#6 SRRA,SRRB
C CHARACTER#13 SAT,MESSCD
C CHARACTER#1 AFLAG,BFLAG
C CHARACTER#11 F1SITE,F2SITE,STARS
C CHARACTER#20 INFILE
C INTEGER OY,OC1,OC2,OC3,OC4,MC1,MC2,MC3,TCA1,TCA2,TCA3,
C *TPC1,TPC2,TPC3,TPCA,TPCB
C CHARACTER TSCHESS#5

C -----DATA VARIABLES-----

C CHARACTER#10 TIMEINT(28),DTITLE(5),SECTIT(3)
C CHARACTER#7 RESCU(21)
C CHARACTER#4 STL(5)
C CHARACTER#6 LTNN(5),FLNM(5)
C
C DATA TIMEINT / '0:00-0:05','0:06-0:10','0:11-0:15','0:16-0:20',
C *'0:21-0:25','0:26-0:30','0:31-0:45','0:46-1:00','1:01-1:15',
C *'1:16-1:30','1:31-2:00','2:01-2:30','2:31-3:00','3:01-3:30',
C *'3:31-4:00','4:01-4:30','4:31-5:00','5:01-5:30','5:31-6:00',
C *'6:01-6:30','6:31-7:00','7:01-7:30','7:31-8:00','8:01-8:30',
C *'8:31-9:00','9:01-9:30','9:31-10:00','10:01-.../'
C DATA DTITLE / 'TLPC-TLCA','TMCC-TLPC','TMCC-TLCA','TOCC-TMCC',
C *'TOCC-TLCA/'
C DATA RESCU / 'CGD01','CGD03','CGD05','CGD07','CGD08','CGD11',
C *'CGD12','CGD13','CGD14','CGD17','CGD17A','CGD17J','CGD17K',
C *'CGPA','CGAA','AFRC','AACRCC','CMCC','MEXICO','TSC',
C *'OTHER:' /
C DATA STL / 'C01','C02','C03','S01','S02' /
C DATA DX / 1,3,5,7,8,9,11,12,13,14,17 /
C DATA LTNN / 'LUT1','LUT2','LUT3','LUT4','LUT10' /
C DATA FLNM / 'FLAG1','FLAG2','FLAG3','FLAG4','FLAG5' /
C DATA SECTIT / 'MARITIME','INLAND','OTHER' /

C
C FROM = 'OCC TIME:'
C INFILE = 'MESSAAA.DAT'
C 577 FORMAT(A20)
C IF(INFILE.EQ.'MESSAAA.DAT ') THEN
C FROM = 'RCC TIME:'
C DTITLE(4) = 'TRCC-TMCC'
C DTITLE(5) = 'TRCC-TLCA'
C
C ENDIF
C 10 FORMAT(I3)
C 1 PRINT*,ENTER START DATE (YYMMDD):'
C READ(1,13)LLIM1,LLIM2,LLIM3
C IF ((LLIM1 .LT. 81) .OR. (LLIM1 .GT. 85)) GO TO 1
C IF ((LLIM2 .LT. 1) .OR. (LLIM2 .GT. 12)) GO TO 1
C IF ((LLIM3 .LT. 1) .OR. (LLIM3 .GT. 31)) GO TO 1
C 2 PRINT*,ENTER STOP DATE (YYMMDD):'
C READ(1,13)HLIM1,HLIM2,HLIM3
C IF (HLIM1 .LT. LLIM1) GO TO 1
C IF ((HLIM1 .LT. 81) .OR. (HLIM1 .GT. 85)) GO TO 2
C IF ((HLIM2 .LT. 1) .OR. (HLIM2 .GT. 12)) GO TO 2
C IF ((HLIM3 .LT. 1) .OR. (HLIM3 .GT. 31)) GO TO 2
C 13 FORMAT(3I2)
C
C OPEN(UNIT = 9,FILE = INFILE,STATUS = 'OLD')
C
C SET COUNTS TO ZERO JJ:LUT# KK:TIME DIFF. REFERENCE

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DO 12 JJ = 1,12
  DO 11 KK = 1,5
    SSQ(KK,JJ) = 0
    ST(KK,JJ) = 0
11  CONTINUE
12  CONTINUE
C
GOOD = 'NO'
DO 1121 JJ = 1,3
  CSECA(JJ) = 0
  CSECB(JJ) = 0
  CSECAB(JJ) = 0
1121 CONTINUE
DO 111 JJ = 1,28
  DO 122 KK = 1,5
    DO 133 LL = 1,12
      HGR(LL, KK, JJ) = 0
133  CONTINUE
122  CONTINUE
111  CONTINUE
C
C SET ALL COUNTS TO ZERO
DO 50 N=1,6
  ATSC(N) = 0
  BTSC(N) = 0
  ABTSC(N) = 0
  AAFRCC(N) = 0
  BAFRCC(N) = 0
  ABAFRCC(N) = 0
  ACMCC(N) = 0
  BCMCC(N) = 0
  ABCMCC(N) = 0
  AMEXICO(N) = 0
  BMEXICO(N) = 0
  ABMEXICO(N) = 0
  AOTHER(N) = 0
  BOTHER(N) = 0
  ABOTHER(N) = 0
  ACGD01(N) = 0
  BCGD01(N) = 0
  ABCGD01(N) = 0
  ACGD03(N) = 0
  BCGD03(N) = 0
  ABCGD03(N) = 0
  ACGD05(N) = 0
  BCGD05(N) = 0
  ABCGD05(N) = 0
  ACGD07(N) = 0
  BCGD07(N) = 0
  ABCGD07(N) = 0
  ACGD08(N) = 0
  BCGD08(N) = 0
  ABCGD08(N) = 0
  ACGD11(N) = 0
  BCGD11(N) = 0
  ABCGD11(N) = 0
  ACGD12(N) = 0
  BCGD12(N) = 0
  ABCGD12(N) = 0
  ACGD13(N) = 0
  BCGD13(N) = 0
  ABCGD13(N) = 0
  ACGD14(N) = 0
  BCGD14(N) = 0
  ABCGD14(N) = 0
  ACGD17(N) = 0

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ACGD17A(N) = 0
BCGD17A(N) = 0
ABCGD17A(N) = 0
ACGD17J(N) = 0
BCGD17J(N) = 0
ABCGD17J(N) = 0
ACGD17K(N) = 0
BCGD17K(N) = 0
ABCGD17K(N) = 0
BCGD17(N) = 0
ABCGD17(N) = 0
AAACRCC(N) = 0
BAACRCC(N) = 0
ABAACRCC(N) = 0
ACGPA(N) = 0
BCGPA(N) = 0
ABCGPA(N) = 0
ACGAA(N) = 0
BCGAA(N) = 0
ABCGAA(N) = 0
50 CONTINUE
DO 51 N = 1,12
  S01C(N) = 0
  S02C(N) = 0
  C01C(N) = 0
  C02C(N) = 0
  C03C(N) = 0
  LUTC(N) = 0
51 CONTINUE
TOTAL = 0
AFL1C = 0
RECORDS = 0
AFL2C = 0
AFL3C = 0
AFL4C = 0
BFL1C = 0
BFL2C = 0
BFL3C = 0
DEN02 = 0
MECERROR = 0
ORRLIST = 1
DO 6673 KK = 1,500
  FLAGA(KK,1) = 'XXXXX'
6673 CONTINUE
C
C
OPEN(UNIT=10,FILE='MESSERROR',STATUS='NEW',ACCESS='SEQUENTIAL')
C READ IN A MESSAAA.DAT FILE
MESSCD = '243 AND 121.5'
3115 READ(9,40,END=901)STARS
READ(9,36)DY,OC1,OC2,OC3,OC4,TSCMESS,DI,YR,MC1,MC2,MC3,SAT,
* LUT,TCA1,TCA2,TCA3,TPC1,TPC2,TPC3
Q = Q + 1
CN = TSCMESS
READ(9,37)SRRA
READ(9,38)SRRB,AFLAG,F1SITE
READ(9,39)BFLAG
36 FORMAT(3I2,2X,2I2,1X,A5,I6,I3,I3,2X,2I2,13X,A3,10X,I2,3X,
* I3,2X,2I2,3X,I3,2X,2I2)
37 FORMAT(38X,A6)
38 FORMAT(37X,A6,7X,A1,9X,A11)
39 FORMAT(9X,A1,/)
40 FORMAT(1X,A11)
C
CALL OCCHON(OC1,OC2,DAYS,DY)
CALL OCCHON(LLIM2,LLIM3,LDAY,LLIM1)

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CALL OCCMON(HLIM2,HLIM3,HDAY,HLIM1)
IX1 = LLM1*1000 + LDAY
IX2 = OY*1000 + DAYS
IX3 = HLIM1*1000 + HDAY
IF((IX2,GE,IX1),AND,(IX2,LE,IX3)) THEN
C
C CHECK TO SEE IF DATA IS GOOD. IF 'NO' READ NEXT RECORD.
C PRINT*,DAYS,RECEERROR,GOOD
C CALL CHKER(DAYS,RECEERROR,GOOD)
C PRINT*,DAYS,RECEERROR,GOOD
C PRINT*,' '
C IF (GOOD .EQ. 'NO') GOTO 3115
C
RECORDS = RECORDS + 1
DO 45 IX = 1,11
C PRINT*,DX = ',DX(IX),DI = ',DI
IF(DX(IX),EQ,DI) THEN
LUTC(IX) = LUTC(IX) + 1
CALL SATCHK(IX,SAT)
CALL CONTIME(IX,OY,LUT)
ENDIF
45 CONTINUE
C
C ===== GENERAL INFORMATION COMPUTATIONS =====
C GENERATES TOTAL COUNTS OF LUTS, INDIVIDUAL SATELLITES,
C AND SEARCH & RESCUE REGIONS...TOTAL TIME FROM OCC TO MCC...
C TOTAL COUNTS OF INDIVIDUAL FLAGS(1,2,3,4,5), FLAG 2 SITES
C COUNT WITH REPECTIVE AREAS.
ENDIF
GO TO 3115
900 CONTINUE
901 CONTINUE
C CLOSE 'MESSERROR'
ENDFILE(10)
CLOSE(10)
C CLOSE INPUT FILE
CLOSE(9)
C ===== GENERAL INFORMATION OUTPUT =====
C ----MEAN,VARIANCE,STANDARD DEVIATION COMPUTE-----
C JJ ==> RCC COUNT KK ==> TIME INTERVAL COUNT
DO 301 JJ = 1,12
DO 302 KK = 1,5
IF (LUTC(JJ),NE,0) THEN
MEAN(KK,JJ) = ST(KK,JJ)/LUTC(JJ)
VAR(KK,JJ) = SSQ(KK,JJ)/LUTC(JJ) - MEAN(KK,JJ)**2
STD(KK,JJ) = SQRT(VAR(KK,JJ))
ENDIF
302 CONTINUE
301 CONTINUE
C -----
C THIS SECTION COMBINES THE AVERAGES AND STD DEV FOR ALL LUTS
C KK ==> TIME INTERVAL COUNT JJ ==> RCC COUNT
DO 304 KK = 1,5
MEAN(KK,12) = 0
STD(KK,12) = 0
DENOM1 = 0
DO 305 JJ = 1,11
IF(LUTC(JJ),NE,0) THEN
DENOM1 = DENOM1 + LUTC(JJ)
MEAN(KK,12) = MEAN(KK,12) + MEAN(KK,JJ)*LUTC(JJ)
TEMP = MEAN(KK,JJ)**2 + STD(KK,JJ)**2
STD(KK,12) = STD(KK,12) + TEMP*LUTC(JJ)
ENDIF
305 CONTINUE

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IF(DENOM1,NE,0) THEN
MEAN(KK,12) = MEAN(KK,12)/DENOM1
C LUTC(12) = DENOM1
STD(KK,12) = STD(KK,12)/DENOM1 - MEAN(KK,12)**2
STD(KK,12) = SQRT(STD(KK,12))
ENDIF
304 CONTINUE
C -----
C =====END GENERAL COMPUTATIONS=====
C
1744 CONTINUE
140 FORMAT('1',//,22X,A7,A3,A18,/)
1440 FORMAT('1',//,18X,A7,A13,A18,/)
141 FORMAT(18X,A36)
1411 FORMAT(22X,A9,1X,I2,'/',I2,'/',I2,' - ',I2,'/',I2,'/',I2,/)
142 FORMAT(10X,A25,I6,/)
143 FORMAT(4X,A29,A33)
145 FORMAT(6X,A4,1X,I4,9X,A6,I4,5X,A6,1X,I4,5X,A6,1X,I4)
146 FORMAT(24X,A6,I4,5X,A6,I5,5X,A6,I5,/)
147 FORMAT(10X,A21)
150 FORMAT(/,20X,A31,/)
151 FORMAT(20X,A3,5X,A6,3X,A6,3X,A8)
152 FORMAT(18X,A7,3X,A6,3X,A6,3X,A8)
153 FORMAT(18X,A7,4X,I4,5X,I4,6X,I4)
1544 FORMAT(/,15X,A40,/)
1644 FORMAT(27X,2(A6,3X),A8)
1844 FORMAT(17X,A10,I5,4X,I5,5X,I5)
155 FORMAT(/,A15,1X,I4)
C
C
C ===== OUTPUT FOR INDIVIDUAL RCCS =====
C GENERATES TOTAL RCC COUNT, SATELLITE COUNT, TIME DELAYS
C AND TIME DELAY HISTOGRAMS
C
OPEN(UNIT=8,FILE='LUTSUM',STATUS='NEW',ACCESS='SEQUENTIAL')
DO 3333 UN=1,11
PRINT*,LUTC(UN)
IF (LUTC(UN),NE,0)THEN
WRITE(8,660)'SARSAT ',MESSCD,' MHZ BEACON REPORT'
WRITE(8,161)'----- CG DISTRICT',DX(UN),' OUTPUT -----'
WRITE(8,1662)'NOTE: THE TLCA AND TLPC DATA ARE NOT AVAILABLE',
* ' FOR THE OTTOWA LUT'
WRITE(8,1611)FROM,LLIM1,LLIM2,LLIM3,HLIM1,HLIM2,HLIM3
WRITE(8,162)'TOTAL RCC #',DX(UN),' COUNT:',LUTC(UN)
C ----- TIME DELAY TABLE IN PERCENTS -----
WRITE(8,1666)'* TIME DELAYS *'
WRITE(8,166)'% 15 MINUTES OR LESS % 30 M',
* ' MINUTES OR LESS % 60 MINUTES OR LESS'
WRITE(8,166)'-----',
* '-----'
DO 1111 JJ = 1,4
WRITE(8,167)DTITLE(JJ),',(FIF(JJ,UN)/LUTC(UN))*100,
* ((THIR(JJ,UN)/LUTC(UN))*100),((HR(JJ,UN)/LUTC(UN))*100)
1111 CONTINUE
WRITE(8,173)' '
C =====
C ----- OUTPUT FORMAT FOR RCC TIME DELAY TABLE -----
C =====
WRITE(8,169)'*** TIME DELAY TABLE FOR DISTRICT',DX(UN),' ***'
WRITE(8,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
* VERT,HORIZ,VERT,HORIZ,VERT
WRITE(8,174)VERT,'HR:MIN',VERT,DTITLE(1),VERT,DTITLE(2),VERT,
* DTITLE(3),VERT,DTITLE(4),VERT,DTITLE(5),VERT
WRITE(8,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
* VERT,HORIZ,VERT,HORIZ,VERT

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DO 2222 INC = 1,20
  IF (UN,NE, 55) THEN
    WRITE(8,171)VERT,TIMEINT(INC),VERT,HGR(UN,1,INC),VERT,
*   HGR(UN,2,INC),VERT,HGR(UN,3,INC),VERT,HGR(UN,4,INC),VERT,
*   HGR(UN,5,INC),VERT
    ELSE
      ZERO=0
      WRITE(8,171)VERT,TIMEINT(INC),VERT,ZERO,VERT,ZERO,VERT,
*     ZERO,VERT,HGR(UN,4,INC),VERT,HGR(UN,5,INC),VERT
    ENDIF
    WRITE(8,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
*   VERT,HORIZ,VERT,HORIZ,VERT
2222 CONTINUE
  WRITE(8,1733)VERT,'MEAN',VERT,MEAN(1,UN),VERT,MEAN(2,UN),VERT,
*   MEAN(3,UN),VERT,MEAN(4,UN),VERT,MEAN(5,UN),VERT
  WRITE(8,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
*   VERT,HORIZ,VERT,HORIZ,VERT
  WRITE(8,1733)VERT,'STD',VERT,STD(1,UN),VERT,STD(2,UN),
*   VERT,STD(3,UN),VERT,STD(4,UN),VERT,STD(5,UN),VERT
  WRITE(8,172)VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,VERT,HORIZ,
*   VERT,HORIZ,VERT,HORIZ,VERT
  ENDIF
3333 CONTINUE
C
C=====
60  FORMAT('1',/,21X,A7,A3,A18,/)
650 FORMAT('1',/,16X,A7,A13,A18,/)
161  FORMAT(21X,A12,I2,A15)
1662 FORMAT(1X,A46,A19)
1611 FORMAT(21X,A9,I2,2(I2,'/'),I2,' - ',2(I2,'/'),I2,/)
162  FORMAT(10X,A11,I2,A7,I4,/)
1622 FORMAT(33X,A30)
163  FORMAT(9X,A15,8X,A3,3X,A6,3X,A6,3X,A8)
1633 FORMAT(9X,A15,6X,A7,1X,A6,3X,A6,3X,A8)
164  FORMAT(12X,A4,1X,I4,9X,A7,2X,I4,5X,I4,6X,I4)
165  FORMAT(30X,A7,2X,I4,5X,I4,6X,I4)
1666 FORMAT(30X,A15,/)
166  FORMAT(13X,A29,A37)
167  FORMAT(1X,A9,A1,5X,F5,1,19X,F5,1,19X,F5,1)
169  FORMAT('1',/23X,A31,I2,A5)
171  FORMAT(6X,A,1X,A9,1X,A,5(3X,I5,3X,A))
172  FORMAT(6X,6(A1,A11),A1)
173  FORMAT(/,A1)
1733 FORMAT(6X,A1,3X,A4,4X,5(A1,1X,F8,4,2X),A1)
174  FORMAT(6X,A1,2X,A7,2X,5(A1,1X,A9,1X),A1)
175  FORMAT('1',/24X,A37)
177  FORMAT(25X,'BASED ON ',I4,' MESSAGES FROM U.S. LUTS')
180  FORMAT(A6,A,A9,A,A,5(A3,I5,A3,A))
185  FORMAT(6X,A,3X,A4,4X,5(A1,1X,F9,4,A1),A)
  ENDFILE(8)
  CLOSE(8)
C =====END OUTPUT FOR INDIVIDUAL LUTS=====
  STOP
  END
C=====
C  SUBROUTINE CHKER--CHECKS FOR DATA ERRORS
C=====
  SUBROUTINE CHKER(DAYS,RECERROR,GOOD)
C
  COMMON /BLOCK3/OC1,OC2,OC3,OC4,MC1,MC2,MC3,TCA1,TCA2,TCA3,
*TPC1,TPC2,TPC3,IF(4,12),THIR(4,12),HR(4,12),TDIF(4,12)
  COMMON /BLOCK7/ STARS,OY,TSCMESS,SAT,LUT,SRRA,SRRB,AFLAG,
*F1SITE,BFLAG,F2SITE
C
  INTEGER OY,OC1,OC2,OC3,OC4,MC1,MC2,MC3,TCA1,TCA2,TCA3,
*TPC1,TPC2,TPC3,LUT,TDIF

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  CHARACTER TSCMESS*5
  CHARACTER*1 AFLAG,BFLAG
  CHARACTER*2 GOOD
  CHARACTER*6 SRRA,SRRB
  CHARACTER*11 F1SITE,F2SITE,STARS
  CHARACTER*13 SAT
  INTEGER DAYS,RECERROR
  REAL FIF,THIR,HR

  GOOD = 'YE'
  IF ((OY,LT, 81) .OR. (OY,GT, 85)) GO TO 9010
  IF ((OC1,LT, 1) .OR. (OC1,GT, 12)) GO TO 9010
  IF ((OC2,LT, 1) .OR. (OC2,GT, 31)) GO TO 9010
  IF ((OC3,LT, 0) .OR. (OC3,GT, 24)) GO TO 9010
  IF ((OC4,LT, 0) .OR. (OC4,GT, 59)) GO TO 9010
  IF ((MC1,LT, 0) .OR. (MC1,GT, 366)) GO TO 9010
  IF ((MC2,LT, 0) .OR. (MC2,GT, 24)) GO TO 9010
  IF ((MC3,LT, 0) .OR. (MC3,GT, 59)) GO TO 9010
  PRINT*, 'PASSED ALL THOSE'
  IF ((ABS(MC1-DAYS),GT, 5) .OR. (DAYS,LT, MC1))THEN
    PRINT*, 'MC1-DAYS>5 OR DAYS<MC1',MC1,DAYS,MC1-DAYS
    GO TO 9010
  ENDIF
  IF ((LUT,NE, 1) .AND.(LUT,NE, 2) .AND.(LUT,NE, 3)) THEN
    IF ((LUT,NE,4) .AND.(LUT,NE,10) .AND.(LUT,NE,20)) THEN
      PRINT*, 'LUT = ',LUT
      GO TO 9010
    ENDIF
  ENDIF
  IF ((TCA1,LT, 1) .OR. (TCA1,GT, 366)) GO TO 9010
  IF ((TCA2,LT, 0) .OR. (TCA2,GT, 24)) GO TO 9010
  IF ((TCA3,LT, 0) .OR. (TCA3,GT, 59)) GO TO 9010
  IF ((ABS(TCA1-DAYS),GT, 5) .OR. (DAYS,LT, TCA1)) THEN
    PRINT*, 'TCA1-DAYS>5 OR DAYS<TCA1'
    PRINT*,TCA1,DAYS
    GO TO 9010
  ENDIF
  IF ((TPC1,LT, 1) .OR. (TPC1,GT, 366)) GO TO 9010
  IF ((TPC2,LT, 0) .OR. (TPC2,GT, 24)) GO TO 9010
  IF ((TPC3,LT, 0) .OR. (TPC3,GT, 59)) GO TO 9010
  IF ((AFLAG,NE, '1') .AND.(AFLAG,NE, '2') .AND.(AFLAG,NE, '3')) THEN
    IF ((AFLAG,NE, '4') .AND.(AFLAG,NE, '5')) THEN
      GO TO 9010
    ENDIF
  ENDIF
  IF ((BFLAG,NE, '1') .OR.(BFLAG,NE, '2') .OR.(BFLAG,NE, '3')) THEN
    IF ((BFLAG,NE, '4') .OR.(BFLAG,NE, '5')) THEN
      PRINT*, 'IN BFLAG, IT =',BFLAG
      GO TO 9010
    ENDIF
  ENDIF
  IF ((ABS(TPC1-DAYS),GT, 5) .OR. (DAYS,LT, TPC1)) THEN
    PRINT*, 'TPC1-DAYS>5 OR DAYS<TPC1'
    GO TO 9010
  ENDIF
  GO TO 9110
C
9010 RECERROR=RECERROR + 1
  GOOD = 'NO'
  WRITE(10,40)STARS
  WRITE(10,99)
  WRITE(10,41)OY,OC1,OC2,OC3,OC4,TSCMESS,MC1,MC2,
*MC3,SAT,LUT,TCA1,TCA2,TCA3,TPC1,
*TPC2,TPC3
  WRITE(10,42)SRRA,DAYS
  WRITE(10,43)SRRB,AFLAG,F1SITE

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WRITE(10,44)BFLAG
C
40 FORMAT(A11)
41 FORNAT(3I2,T11,2I2,T20,A5,T30,I3,T35,2I2,T45,A3,T50,I2,T65,
  *I3,T70,2I2,T76,I3,T82,2I2)
99 FORMAT('OY DC12',T11,'OC34',T20,'TSCMES',T30,'MC1',T35,'MC23',
  *T45,'SAT',T50,'LUT',T65,'AC1',T70,'TCA23',T76,'PC1',T82,'TPC23')
42 FORMAT(A6,3X,I5)
43 FORMAT(A6,A1,A11)
44 FORMAT(A1,/)
C
9110 RETURN
END
C =====
C SUBROUTINE SATCHK--COUNTS SATELLITES
C =====
SUBROUTINE SATCHK(L,SATT)
COMMON /BLOCK2/ C01C(12),C02C(12),C03C(12),S01C(12),S02C(12)
INTEGER L,C01C,C02C,C03C,S01C,S02C
CHARACTER*3 SATT
C
IF (SATT.EQ.'C01') C01C(L) = C01C(L) + 1
IF (SATT.EQ.'C02') C02C(L) = C02C(L) + 1
IF (SATT.EQ.'C03') C03C(L) = C03C(L) + 1
IF (SATT.EQ.'S01') S01C(L) = S01C(L) + 1
IF (SATT.EQ.'S02') S02C(L) = S02C(L) + 1
C
RETURN
END
C =====
C SUBROUTINE SRRCHK--COUNT SEARCH/RESCUE REGIONS
C =====
SUBROUTINE SRRCHK(K,ASR,BSR)
C
COMMON /BLOCK1/ ATSC(6),BTSC(6),ABTSC(6),AAFRCC(6),BAFRCC(6),
  *ABAFRCC(6),ACMCC(6),BCMCC(6),ABCMCC(6),AMEXICO(6),BMEXICO(6),
  *ABMEXICO(6),AOTHER(6),BOTHER(6),ABOTHER(6),ACGD01(6),BCGD01(6),
  *ABCGD01(6),ACGD03(6),BCGD03(6),ABCGD03(6),ACGD05(6),BCGD05(6),
  *ABCGD05(6),ACGD07(6),BCGD07(6),ABCGD07(6),ACGD08(6),BCGD08(6),
  *ABCGD08(6),ACGD11(6),BCGD11(6),ABCGD11(6),ACGD12(6),BCGD12(6),
  *ABCGD12(6),ACGD13(6),BCGD13(6),ABCGD13(6),ACGD14(6),BCGD14(6),
  *ABCGD14(6),ACGD17(6),BCGD17(6),ABCGD17(6),ACGD17A(6),BCGD17A(6),
  *ABCGD17A(6),ACGD17J(6),BCGD17J(6),ABCGD17J(6),ACGD17K(6),
  *BCGD17K(6),ABCGD17K(6),AAACRCC(6),BAACRCC(6),ABAACRCC(6),
  *ACGPA(6),BCGPA(6),ABCGPA(6),ACGAA(6),BCGAA(6),ABCGAA(6)
C
INTEGER ATSC,BTSC,ABTSC,AAFRCC,BAFRCC,ABAFRCC,ACMCC,BCMCC,
  *ABCMCC,AMEXICO,BMEXICO,ABMEXICO,AOTHER,BOTHER,ABOTHER,
  *ACGD01,BCGD01,ABCGD01,ACGD03,BCGD03,ABCGD03,ACGD05,BCGD05,
  *ABCGD05,ACGD07,BCGD07,ABCGD07,ACGD08,BCGD08,ABCGD08,
  *ACGD11,BCGD11,ABCGD11,ACGD12,BCGD12,ABCGD12,ACGD13,BCGD13,
  *ABCGD13,ACGD14,BCGD14,ABCGD14,ACGD17,BCGD17,ABCGD17,
  *ACGD17A,BCGD17A,ABCGD17A,ACGD17J,BCGD17J,ABCGD17J,ACGD17K,
  *BCGD17K,ABCGD17K,AAACRCC,BAACRCC,ABAACRCC,ACGPA,BCGPA,
  *ABCGPA,ACGAA,BCGAA,ABCGAA
C
CHARACTER*6 ASR,BSR
INTEGER K,L
C
IF (ASR.EQ.'BSR') THEN
  IF (ASR.EQ.'TSC') ABTSC(K) = ABTSC(K) + 1
  IF (ASR.EQ.'AFRCC') ABAFRCC(K) = ABAFRCC(K) + 1
  IF (ASR.EQ.'CMCC') ABMCC(K) = ABMCC(K) + 1
  IF (ASR.EQ.'MEXICO') ABMEXICO(K) = ABMEXICO(K) + 1
  IF (ASR.EQ.'OTHER') ABOTHER(K) = ABOTHER(K) + 1
  IF ((ASR.EQ.'CGD1') .OR. (ASR.EQ.'CGD01'))
    *ABCGD01(K) = ABCGD01(K) + 1
    IF ((ASR.EQ.'CGD3') .OR. (ASR.EQ.'CGD03'))
      *ABCGD03(K) = ABCGD03(K) + 1
      IF ((ASR.EQ.'CGD5') .OR. (ASR.EQ.'CGD05'))
        *ABCGD05(K) = ABCGD05(K) + 1
        IF ((ASR.EQ.'CGD7') .OR. (ASR.EQ.'CGD07'))
          *ABCGD07(K) = ABCGD07(K) + 1
          IF ((ASR.EQ.'CGD8') .OR. (ASR.EQ.'CGD08'))
            *ABCGD08(K) = ABCGD08(K) + 1
            IF (ASR.EQ.'CGD11') ABCGD11(K) = ABCGD11(K) + 1
            IF (ASR.EQ.'CGD12') ABCGD12(K) = ABCGD12(K) + 1
            IF (ASR.EQ.'CGD13') ABCGD13(K) = ABCGD13(K) + 1
            IF (ASR.EQ.'CGD14') ABCGD14(K) = ABCGD14(K) + 1
            IF (ASR.EQ.'CGD17') ABCGD17(K) = ABCGD17(K) + 1
            IF (ASR.EQ.'CGD17A') ABCGD17A(K) = ABCGD17A(K) + 1
            IF (ASR.EQ.'CGD17J') ABCGD17J(K) = ABCGD17J(K) + 1
            IF (ASR.EQ.'CGD17K') ABCGD17K(K) = ABCGD17K(K) + 1
            IF (ASR.EQ.'AACRCC') ABAACRCC(K) = ABAACRCC(K) + 1
            IF (ASR.EQ.'CGPA') ABCGPA(K) = ABCGPA(K) + 1
            IF (ASR.EQ.'CGAA') ABCGAA(K) = ABCGAA(K) + 1
          ELSE
            IF (ASR.EQ.'TSC') ATSC(K) = ATSC(K) + 1
            IF (ASR.EQ.'AFRCC') AAFRCC(K) = AAFRCC(K) + 1
            IF (ASR.EQ.'CMCC') ACMCC(K) = ACMCC(K) + 1
            IF (ASR.EQ.'MEXICO') AMEXICO(K) = AMEXICO(K) + 1
            IF (ASR.EQ.'OTHER') AOTHER(K) = AOTHER(K) + 1
            IF ((ASR.EQ.'CGD1') .OR. (ASR.EQ.'CGD01'))
              *ACGD01(K) = ACGD01(K) + 1
              IF ((ASR.EQ.'CGD3') .OR. (ASR.EQ.'CGD03'))
                *ACGD03(K) = ACGD03(K) + 1
                IF ((ASR.EQ.'CGD5') .OR. (ASR.EQ.'CGD05'))
                  *ACGD05(K) = ACGD05(K) + 1
                  IF ((ASR.EQ.'CGD7') .OR. (ASR.EQ.'CGD07'))
                    *ACGD07(K) = ACGD07(K) + 1
                    IF ((ASR.EQ.'CGD8') .OR. (ASR.EQ.'CGD08'))
                      *ACGD08(K) = ACGD08(K) + 1
                      IF (ASR.EQ.'CGD11') ACGD11(K) = ACGD11(K) + 1
                      IF (ASR.EQ.'CGD12') ACGD12(K) = ACGD12(K) + 1
                      IF (ASR.EQ.'CGD13') ACGD13(K) = ACGD13(K) + 1
                      IF (ASR.EQ.'CGD14') ACGD14(K) = ACGD14(K) + 1
                      IF (ASR.EQ.'CGD17') ACGD17(K) = ACGD17(K) + 1
                      IF (ASR.EQ.'CGD17A') ACGD17A(K) = ACGD17A(K) + 1
                      IF (ASR.EQ.'CGD17J') ACGD17J(K) = ACGD17J(K) + 1
                      IF (ASR.EQ.'CGD17K') ACGD17K(K) = ACGD17K(K) + 1
                      IF (ASR.EQ.'AACRCC') AAACRCC(K) = AAACRCC(K) + 1
                      IF (ASR.EQ.'CGPA') ACGPA(K) = ACGPA(K) + 1
                      IF (ASR.EQ.'CGAA') ACGAA(K) = ACGAA(K) + 1
                    IF (BSR.EQ.'TSC') BTSC(K) = BTSC(K) + 1
                    IF (BSR.EQ.'AFRCC') BAFRCC(K) = BAFRCC(K) + 1
                    IF (BSR.EQ.'CMCC') BCMCC(K) = BCMCC(K) + 1
                    IF (BSR.EQ.'MEXICO') BMEXICO(K) = BMEXICO(K) + 1
                    IF (BSR.EQ.'OTHER') BOTHER(K) = BOTHER(K) + 1
                    IF ((BSR.EQ.'CGD1') .OR. (BSR.EQ.'CGD01'))
                      *BCGD01(K) = BCGD01(K) + 1
                      IF ((BSR.EQ.'CGD3') .OR. (BSR.EQ.'CGD03'))
                        *BCGD03(K) = BCGD03(K) + 1
                        IF ((BSR.EQ.'CGD5') .OR. (BSR.EQ.'CGD05'))
                          *BCGD05(K) = BCGD05(K) + 1
                          IF ((BSR.EQ.'CGD7') .OR. (BSR.EQ.'CGD07'))
                            *BCGD07(K) = BCGD07(K) + 1
                            IF ((BSR.EQ.'CGD8') .OR. (BSR.EQ.'CGD08'))
                              *BCGD08(K) = BCGD08(K) + 1
                              IF (BSR.EQ.'CGD11') BCGD11(K) = BCGD11(K) + 1
                              IF (BSR.EQ.'CGD12') BCGD12(K) = BCGD12(K) + 1
                              IF (BSR.EQ.'CGD13') BCGD13(K) = BCGD13(K) + 1
                              IF (BSR.EQ.'CGD14') BCGD14(K) = BCGD14(K) + 1

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IF (BSR ,EQ, 'CGD17 ') BCGD17(K) = BCGD17(K) + 1
IF (BSR ,EQ, 'CGD17A') BCGD17A(K) = BCGD17A(K) + 1
IF (BSR ,EQ, 'CGD17J') BCGD17J(K) = BCGD17J(K) + 1
IF (BSR ,EQ, 'CGD17K') BCGD17K(K) = BCGD17K(K) + 1
IF (BSR ,EQ, 'AACRCC') BAACRCC(K) = BAACRCC(K) + 1
IF (BSR ,EQ, 'CGPA ') BCGPA(K) = BCGPA(K) + 1
IF (BSR ,EQ, 'CGAA ') BCGAA(K) = BCGAA(K) + 1
ENDIF
RETURN
END
C =====
C SUBROUTINE CONTIME--CALCULATES TIME DIFFERENCES
C =====
SUBROUTINE CONTIME(LT,0Y,LUT)
C
COMMON /BLOCK3/ O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3,
*FP(4,12),TP(4,12),SP(4,12)
COMMON /BLOCK6/ DIF(5,12),SUMT(5,12),SUMSQ(5,12)
C
INTEGER MCC,RCC,TPC,TCA,DIF,LT,OCM,0Y,
*O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3,MCH,Q,ND
REAL FP,SP,TP,SUMT,SUMSQ
C
LOGICAL FLAG
FLAG = ,TRUE.
CALL OCCMON(O1,O2,OCM,0Y)
RCC = (OCM*1440) + (O3*60) + O4
MCC = (M1*1440) + (M2*60) + M3
TCA = (TC1*1440) + (TC2*60) + TC3
TPC = (TP1*1440) + (TP2*60) + TP3
IF (LUT,NE,10) THEN
DIF(1,LT) = TPC - TCA
DIF(2,LT) = MCC - TPC
DIF(3,LT) = MCC - TCA
DIF(4,LT) = RCC - MCC
DIF(5,LT) = RCC - TCA
DO 5050 I = 1,5
IF (DIF(I,LT),EQ,-1) DIF(I,LT) = 0
IF (DIF(I,LT),EQ,-2) DIF(I,LT) = 0
IF (DIF(I,LT),EQ,-3) DIF(I,LT) = 0
5050 CONTINUE
CALL TESTDIF(FLAG,LT)
IF (FLAG,EQV,,TRUE.,AND,RCC,NE,0) THEN
DO 606 I = 1,5
ND = DIF(I,LT)
CALL HISTGRAM(LT,I,ND)
CALL HISTGRAM(12,I,ND)
606 CONTINUE
CALL ADDTIME(LT,DIF)
ENDIF
ENDIF
DO 666 Q = 1,4
IF (DIF(Q,LT),LE,15) FP(Q,LT)=FP(Q,LT)+1.0
IF (DIF(Q,LT),LE,30) TP(Q,LT)=TP(Q,LT)+1.0
IF (DIF(Q,LT),LE,60) SP(Q,LT)=SP(Q,LT)+1.0
666 CONTINUE
RETURN
END
C-----
C SUBROUTINE TO CHECK OUT THE NB
C-----
SUBROUTINE TESTDIF(FLAG,LT)
COMMON /BLOCK3/ O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3,
*FP(4,5),TP(4,5),SP(4,5)
COMMON /BLOCK8/ DI,YR,CN,DENO2
COMMON /BLOCK6/ DIF(5,12),SUMT(5,5),SUMSQ(5,5)
COMMON /BLOCK7/ STARS,0Y,TSCMESS,SAT,LUT,SRKA,SRKB,
*AFLAG,F1SITE,BFLAG,F2SITE
INTEGER ND,LT,DIFF,DI,YR,DENO2
CHARACTER TSCMESS*5
CHARACTER*5 CN
LOGICAL FLAG,FLAG2
INTEGER O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3
REAL NHOURL
FLAG = ,TRUE.
FLAG2 = ,TRUE.
DO 707 I = 1,5
IF (DIFF(I,LT),LT,0,OR,DIFF(I,LT),GT,600) FLAG = ,FALSE.
IF (DIFF(I,LT),GE,600,AND,DIFF(I,LT),LE,1430) FLAG2 = ,FALSE.
CONTINUE
IF (FLAG,EQV,,FALSE.) THEN
DENO2 = DENO2 + 1
PRINT*, ' '
C
PRINT#,DIFF(1,LT),DIFF(2,LT),DIFF(3,LT),DIFF(4,LT),DIFF(5,LT),
*DI,YR,CN
WRITE(1,10) O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3
C
NHOURL = ND/60
C
PRINT#, 'ND = ',ND, ' HOURS = ',NHOURL
ENDIF
IF (FLAG2,EQV,,FALSE.) THEN
PRINT#, '****'
PRINT#,DIFF(1,LT),DIFF(2,LT),DIFF(3,LT),DIFF(4,LT),DIFF(5,LT),
*DI,YR,CN
WRITE(1,10) O1,O2,O3,O4,M1,M2,M3,TC1,TC2,TC3,TP1,TP2,TP3
PRINT#, '****'
ENDIF
10 FORMAT(13(I4,1X))
RETURN
END
C =====
C SUBROUTINE OCCMON--CONVERTS MONTH-DAY TO JULIAN DAYS
C =====
SUBROUTINE OCCMON(MON,DAY,TOTDAY,YEAR)
C
THIS ROUTINE CHANGES MON-DAY TO JULIAN DAYS
C
INTEGER MON,DAY,ADDDAY,TOTDAY,I,YEAR
CHARACTER FLAG
C
FLAG = '0'
ADDDAY = 0
TOTDAY = 0
IF (MON ,NE, 1) THEN
DO 700 I = 2,MON
IF ((I ,EQ, 5),OR,(I ,EQ, 7),OR,(I ,EQ, 10)
*OR,(I ,EQ, 12)) ADDDAY = 30
IF ((I ,EQ, 2),OR,(I ,EQ, 4),OR,(I ,EQ, 6),OR,(I ,EQ, 8),OR,
*(I ,EQ, 9),OR,(I ,EQ, 11)) ADDDAY = 31
IF (I ,EQ, 3) THEN
IF (YEAR ,EQ, 84) THEN
ADDDAY = 29
ELSE
ADDDAY = 28
ENDIF
ENDIF
TOTDAY = TOTDAY + ADDDAY
700 CONTINUE
ENDIF
TOTDAY = TOTDAY+DAY
RETURN
END
C =====

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C SUBROUTINE CHKFLAG--COUNTS TYPES OF FLAG #2
C =====
C SUBROUTINE CHKFLAG(FSITE,CGD)
C
C COMMON /BLOCK4/ ORRLIST,FLAGA(500,13),COUNT(500,13)
C INTEGER ORRLIST,COUNT,I,DIST
C CHARACTER*3 INLIST
C CHARACTER*11 FSITE,FLAGA,CGD
C INLIST = 'NO'
C IF ((CGD .EQ. 'CGD01').OR.(CGD .EQ. 'CGD1')) DIST = 1
C IF ((CGD .EQ. 'CGD03').OR.(CGD .EQ. 'CGD3')) DIST = 2
C IF ((CGD .EQ. 'CGD05').OR.(CGD .EQ. 'CGD5')) DIST = 3
C IF ((CGD .EQ. 'CGD07').OR.(CGD .EQ. 'CGD7')) DIST = 4
C IF ((CGD .EQ. 'CGD08').OR.(CGD .EQ. 'CGD8')) DIST = 5
C IF (CGD .EQ. 'CGD11') DIST = 6
C IF (CGD .EQ. 'CGD12') DIST = 7
C IF (CGD .EQ. 'CGD13') DIST = 8
C IF (CGD .EQ. 'CGD14') DIST = 9
C IF (CGD .EQ. 'CGD17') DIST = 10
C IF (CGD .EQ. 'CGD17A') DIST = 11
C IF (CGD .EQ. 'CGD17J') DIST = 12
C IF (CGD .EQ. 'CGD17K') DIST = 13
C DO 3000 I = 1,ORRLIST
C IF (FSITE .EQ. FLAGA(ORRLIST,DIST)) THEN
C COUNT(ORRLIST,DIST) = COUNT(ORRLIST,DIST) + 1
C INLIST = 'YES'
C ENDDIF
C3000 CONTINUE
C IF (INLIST .NE. 'YES') THEN
C ORRLIST = ORRLIST + 1
C FLAGA(ORRLIST,DIST) = FSITE
C ENDDIF
C RETURN
C END
C =====
C SUBROUTINE HISTGRAM--GENERATES HISTOGRAM VALUES FOR
C TIME DELAYS
C =====
C SUBROUTINE HISTGRAM(B,C,NWD)
C
C COMMON /BLOCK5/ HG(12,5,28)
C INTEGER NWD,HG,C,B
C
C IF ((NWD,GE,0).AND.(NWD,LE,5)) HG(B,C,1) = HG(B,C,1) + 1
C IF ((NWD,GT,5).AND.(NWD,LE,10)) HG(B,C,2) = HG(B,C,2) + 1
C IF ((NWD,GT,10).AND.(NWD,LE,15)) HG(B,C,3) = HG(B,C,3) + 1
C IF ((NWD,GT,15).AND.(NWD,LE,20)) HG(B,C,4) = HG(B,C,4) + 1
C IF ((NWD,GT,20).AND.(NWD,LE,25)) HG(B,C,5) = HG(B,C,5) + 1
C IF ((NWD,GT,25).AND.(NWD,LE,30)) HG(B,C,6) = HG(B,C,6) + 1
C IF ((NWD,GT,30).AND.(NWD,LE,45)) HG(B,C,7) = HG(B,C,7) + 1
C IF ((NWD,GT,45).AND.(NWD,LE,60)) HG(B,C,8) = HG(B,C,8) + 1
C IF ((NWD,GT,60).AND.(NWD,LE,75)) HG(B,C,9) = HG(B,C,9) + 1
C IF ((NWD,GT,75).AND.(NWD,LE,90)) HG(B,C,10) = HG(B,C,10) + 1
C IF ((NWD,GT,90).AND.(NWD,LE,120)) HG(B,C,11) = HG(B,C,11) + 1
C IF ((NWD,GT,120).AND.(NWD,LE,150)) HG(B,C,12) = HG(B,C,12) + 1
C IF ((NWD,GT,150).AND.(NWD,LE,180)) HG(B,C,13) = HG(B,C,13) + 1
C IF ((NWD,GT,180).AND.(NWD,LE,210)) HG(B,C,14) = HG(B,C,14) + 1
C IF ((NWD,GT,210).AND.(NWD,LE,240)) HG(B,C,15) = HG(B,C,15) + 1
C IF ((NWD,GT,240).AND.(NWD,LE,270)) HG(B,C,16) = HG(B,C,16) + 1
C IF ((NWD,GT,270).AND.(NWD,LE,300)) HG(B,C,17) = HG(B,C,17) + 1
C IF ((NWD,GT,300).AND.(NWD,LE,330)) HG(B,C,18) = HG(B,C,18) + 1
C IF ((NWD,GT,330).AND.(NWD,LE,360)) HG(B,C,19) = HG(B,C,19) + 1
C IF ((NWD,GT,360).AND.(NWD,LE,390)) HG(B,C,20) = HG(B,C,20) + 1
C IF ((NWD,GT,390).AND.(NWD,LE,420)) HG(B,C,21) = HG(B,C,21) + 1
C IF ((NWD,GT,420).AND.(NWD,LE,450)) HG(B,C,22) = HG(B,C,22) + 1
C IF ((NWD,GT,450).AND.(NWD,LE,480)) HG(B,C,23) = HG(B,C,23) + 1

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```

IF ((NWD,GT,480).AND.(NWD,LE,510)) HG(B,C,24) = HG(B,C,24) + 1
IF ((NWD,GT,510).AND.(NWD,LE,540)) HG(B,C,25) = HG(B,C,25) + 1
IF ((NWD,GT,540).AND.(NWD,LE,570)) HG(B,C,26) = HG(B,C,26) + 1
IF ((NWD,GT,570).AND.(NWD,LE,600)) HG(B,C,27) = HG(B,C,27) + 1
IF (NWD,GT,600) HG(B,C,28) = HG(B,C,28) + 1
RETURN
END

```

```

C =====
C SUBROUTINE TO FIND SECTIONAL SEARCH AND RESCUE REGION COUNTS
C FOR GENERAL COMPUTATIONS
C VARIABLE DEFINITIONS
C SEC = 'CG' ==> MARITIME
C 'IN' ==> INLAND
C 'OT' ==> OTHER
C AZ(3): INCREMENT ONLY IF THE 'A' HIT IS IN 'SEC' REGION
C BZ(3): INCREMENT ONLY IF THE 'B' HIT IS IN 'SEC' REGION
C ABZ(3): INCREMENT ONLY IF BOTH HITS ARE IN 'SEC' REGION
C =====
C SUBROUTINE SECCHK(A,B,AZ,BZ,ABZ)
C
C INTEGER KK,AZ(3),BZ(3),ABZ(3)
C CHARACTER*2,SEC,A,B
C
C DO 8383 KK = 1,3
C IF (KK .EQ. 1) SEC = 'CG'
C IF (KK .EQ. 2) SEC = 'IN'
C IF (KK .EQ. 3) SEC = 'OT'
C IF (A .EQ. SEC) THEN
C IF (B .EQ. SEC) THEN
C ABZ(KK) = ABZ(KK) + 1
C ELSE
C AZ(KK) = AZ(KK)+1
C ENDDIF
C ELSE
C IF (B .EQ. SEC) BZ(KK) = BZ(KK) + 1
C ENDDIF
C8383 CONTINUE
C RETURN
C END
C
C SUBROUTINE ADDTIME(L,TD)
C
C COMMON /BLOCK6/ TDF(5,12),SUMT(5,12),SUMSQ(5,12)
C INTEGER L,TDF,FF
C REAL SUMT,SUMSQ
C
C DO 9876 FF = 1,5
C SUMT(FF,L) = SUMT(FF,L) + TDF(FF,L)
C SUMSQ(FF,L) = SUMSQ(FF,L) + TDF(FF,L)**2
C9876 CONTINUE
C RETURN
C END

```

SLIST FREQUENCY.F77

```

C*****
C      MESSAGE FREQUENCY PROGRAM
C*****
C
C-----VARIABLES-----
COMMON /BLOCK1/ COUNT(25,366),WKCOUNT(52,25)
COMMON /BLOCK2/ SATLUTCNT(366,6,5),WKSATCNT(52,6,5)
COMMON /BLOCK3/ OY,OY1,OY2,OY3,OY4,MC1,MC2,MC3,SAT,LUT,
*TCA1,TCA2,TCA3,TPC1,TPC2,TPC3
COMMON /BLOCK4/ TPCCOUNT(25,366),WKTPCCNT(52,25)
INTEGER DAY,WLOOP,Q,I,W,MESS,R,JULIAN,S,L,N
INTEGER COUNT,WKCOUNT,PRINTDAY(366),SATLUTCNT,WKSATCNT
INTEGER OY,OY1,OY2,OY3,OY4,MC1,MC2,MC3,TCA1,TCA2,TCA3,LUT,
*TPC1,TPC2,TPC3
INTEGER LLM1,LLIM2,LLIM3,HLIM1,HLIM2,HLIM3,LDAY,HDAY,
*RECEPERROR,JUL
INTEGER TPCCOUNT,WKTPCCNT
CHARACTER CGBLOOP
CHARACTER*5 CGD(10)
CHARACTER*3 SAT,GOOD,ERROR
CHARACTER*6 SRR(2),INCGD
CHARACTER*20 INFILE,STARS
CHARACTER*13 MESSCD
CHARACTER*18 SATT
PARAMETER(SATT = 'C1 C2 C3 SS T')
DATA CGD /'CGD1 ','CGD3 ','CGD5 ','CGD7 ','CGD8 ','CGD11',
*'CGD12','CGD13','CGD14','CGD17'/
C-----
C
OPEN(UNIT=8,FILE='MESFREQ',STATUS='NEW')
OPEN(UNIT=9,FILE='MESFREQ.LUT',STATUS='NEW')
OPEN(UNIT=10,FILE='MESFREQ.TPC',STATUS='NEW')
1000 PRINT*, 'ENTER INPUT FILE...'
READ(1,5)INFILE
1 READ*, 'A 121 OR 101 FILE...'
READ(1,10)MESS
IF ((MESS .NE. 101) .AND. (MESS .NE. 121)) GO TO 1
2 PRINT*, 'ENTER START DATE (YYMMDD):'
READ(1,13)LLM1,LLIM2,LLIM3
IF ((LLIM1 .LT. 81).OR.(LLIM1 .GT. 84)) GO TO 2
IF ((LLIM2 .LT. 1).OR.(LLIM2 .GT. 12)) GO TO 2
IF ((LLIM3 .LT. 1).OR.(LLIM3 .GT. 31)) GO TO 2
3 PRINT*, 'ENTER STOP DATE(YYMMDD):'
READ(1,13)HLIM1,HLIM2,HLIM3
IF ((HLIM1 .LT. 81).OR.(HLIM1 .GT. 84)) GO TO 3
IF ((HLIM2 .LT. 1).OR.(HLIM2 .GT. 12)) GO TO 3
IF ((HLIM3 .LT. 1).OR.(HLIM3 .GT. 31)) GO TO 3
IF (HLIM1 .LT. LLM1) GO TO 2
IF ((HLIM1.EQ.LLM1).AND.(HLIM2.LT.LLIM2)).OR.
*((HLIM1.EQ.LLIM1).AND.(HLIM2.EQ.LLIM2)).AND.
*(HLIM3.LT.LLIM3))GO TO 2
CALL JDAY(LLIM2,LLIM3,LDAY)
CALL JDAY(HLIM2,HLIM3,HDAY)
DO 1001 I=LDAY,HDAY
PRINTDAY(I) = I
1001 CONTINUE
13 FORMAT(3I2)
4 PRINT*, 'ENTER A COAST GUARD DISTRICT...'
PRINT*, '(CGD1,CGD3,CGD5,CGD7,CGD8,CGD11,CGD12,CGD13,CGD14,CGD17,
*ALL)'
READ(1,11)INCGD
GOOD = 'NO'
DO 45 N=1,10
IF ((INCGD.EQ.CDD(N)).OR.(INCGD.EQ.'ALL')) GOOD = 'YES'

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```

45 CONTINUE
IF (GOOD .EQ. 'NO') GO TO 4
OPEN(UNIT=7,FILE=INFILE,STATUS='OLD')
RECEPERROR = 0
DAY = 0
OYOLD=0
R = 0
W = 0
DO 389 I=1,366
DO 388 Q=1,6
DO 387 N=1,5
SATLUTCNT(I,Q,N) = 0
387 CONTINUE
388 CONTINUE
389 CONTINUE
DO 399 I=1,52
DO 398 Q=1,6
DO 397 N=1,5
WKSATCNT(I,Q,N) = 0
397 CONTINUE
398 CONTINUE
399 CONTINUE
DO 489 I=1,25
DO 488 Q=1,366
COUNT(I,Q) = 0
TPCCOUNT(I,Q) = 0
488 CONTINUE
489 CONTINUE
DO 499 I = 1,52
DO 498 Q=1,25
WKCOUNT(I,Q) = 0
WKTPCCNT(I,Q) = 0
498 CONTINUE
499 CONTINUE
IF (MESS .EQ. 101) THEN
MESSCD = '243 AND 121.5'
501 READ(7,15,END=500)STARS
READ(7,20)OY,OY1,OY2,OY3,OY4,MC1,MC2,MC3,SAT,LUT,
*TCA1,TCA2,TCA3,TPC1,TPC2,TPC3
READ(7,25)SRR(1)
READ(7,30)SRR(2)
ENDIF
IF (MESS .EQ. 121) THEN
MESSCD = '406'
503 READ(7,16,END=502)STARS
READ(7,21)OY,OY1,OY2,OY3,OY4,MC1,MC2,MC3,SAT,LUT,
*TCA1,TCA2,TCA3,TPC1,TPC2,TPC3
READ(7,26)SRR(1)
READ(7,31)SRR(2)
READ(7,32)BFLAG
ENDIF
C
5 FORMAT(A20)
10 FORMAT(I3)
11 FORMAT(A6)
15 FORMAT(1X,A11)
20 FORMAT(3I2,2X,2I2,15X,I3,2X,2I2,13X,A3,10X,I2,3X,
*I3,2X,2I2,3X,I3,2X,2I2)
25 FORMAT(38X,A6)
30 FORMAT(37X,A6,/)
16 FORMAT(A11)
21 FORMAT(3I2,2X,2I2,15X,I3,2X,2I2,13X,A3,14X,I2,3X,I3,
*2X,I2,I2,15X,I3,2X,I2,I2,17X)
26 FORMAT(52X,A6,32X)
31 FORMAT(31X,A6,72X)
32 FORMAT(16X,A,45X)

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```

C      CALL ERRCHK(SRR)
      IF (ERROR .EQ. 'NO') THEN
        IF (MESS .EQ. 121) GO TO 503
        IF (MESS .EQ. 101) GO TO 501
      ENDIF
C
      CALL JDAY(OY1,OY2,JUL)
      IF ((LLIM1 .LE. OY).AND.(HLIM1 .GE. OY)) THEN
        IF ((LDAY .LE. JUL).AND.(HDAY .GE. JUL)) THEN
C
          L = LUT
          IF (LUT .EQ. 10)L=5
          IF (SAT .EQ. 'C01')S=1
          IF (SAT .EQ. 'C02')S=2
          IF (SAT .EQ. 'C03')S=3
          IF ((SAT .EQ. 'S02').OR.(SAT .EQ. 'S01'))S=4
          CALL JDAY(OY1,OY2,JULIAN)
          DO 50 Q = 1,2
            IF (INCGD .EQ. 'ALL')THEN
              DO 55 N=1,10
                IF (SRR(Q)(1:5).EQ.COD(N)) THEN
                  COUNT(OY3+1,JULIAN) = COUNT(OY3+1,JULIAN) + 1
                  SATLUTCNT(JULIAN,L,S) = SATLUTCNT(JULIAN,L,S) + 1
                  TPCCOUNT(TPC2+1,TPC1) = TPCCOUNT(TPC2+1,TPC1) + 1
                ENDIF
              CONTINUE
            ELSE
              IF (SRR(Q)(1:5).EQ.INCGD) THEN
                COUNT(OY3+1,JULIAN) = COUNT(OY3+1,JULIAN) + 1
                SATLUTCNT(JULIAN,L,S) = SATLUTCNT(JULIAN,L,S) + 1
                TPCCOUNT(TPC2+1,TPC1) = TPCCOUNT(TPC2+1,TPC1) + 1
              ENDIF
            ENDIF
          50 CONTINUE
          ENDIF
          ENDIF
          51 IF (MESS .EQ. 101) THEN
            GO TO 501
            ELSE
            GO TO 503
          ENDIF
          500 CONTINUE
          502 CONTINUE
          CLOSE(7)
C
C -----FIGURING TOTAL COUNT OF HOURS-----
C
          DO 111 Q = 1,24
            DO 122 I = LDAY,HDAY
              COUNT(25,I) = COUNT(25,I) + COUNT(Q,I)
              TPCCOUNT(25,I) = TPCCOUNT(25,I) + TPCCOUNT(Q,I)
            122 CONTINUE
          111 CONTINUE
C
C -----FIGURING TOTAL COUNT FOR DAYS-----
C
          DO 303 I = LDAY,HDAY
            DO 202 Q = 1,25
              COUNT(Q,366) = COUNT(Q,366) + COUNT(Q,I)
              TPCCOUNT(Q,366) = TPCCOUNT(Q,366) + TPCCOUNT(Q,I)
            202 CONTINUE
          303 CONTINUE
          DAY = 0
          IG 212 I=LDAY,HDAY
          DAY = DAY + 1
          IF (MOD(DAY,7) .EQ. 0) THEN
            R = R + 1
            CALL WKTOT(R,I)
          ENDIF
          212 CONTINUE
C
C -----FIGURING TOTAL COUNT OF LUTS AND SATILLITES-----
C
          DO 131 I = LDAY,HDAY
            DO 132 Q = 1,4
              DO 133 N = 1,5
                SATLUTCNT(I,6,Q) = SATLUTCNT(I,6,Q) + SATLUTCNT(I,N,Q)
              133 CONTINUE
            132 CONTINUE
          131 CONTINUE
C
          DO 153 I=LDAY,HDAY
            DO 152 N=1,6
              DO 151 Q=1,4
                SATLUTCNT(I,N,5) = 3ATLUTCNT(I,N,5) + SATLUTCNT(I,N,Q)
              151 CONTINUE
            152 CONTINUE
          153 CONTINUE
C
C -----FIGURING TOTAL COUNT FOR DAY-----
C
          R = 0
          DO 141 N=1,6
            DO 142 Q=1,5
              DO 143 I=LDAY,HDAY
                SATLUTCNT(366,N,Q)=SATLUTCNT(366,N,Q)+SATLUTCNT(I,N,Q)
              143 CONTINUE
            142 CONTINUE
          141 CONTINUE
          DAY = 0
          DO 144 I=LDAY,HDAY
            DAY = DAY + 1
            IF (MOD(DAY,7).EQ.0) THEN
              R=R+1
              CALL WKSATTOT(R,I)
            ENDIF
          144 CONTINUE
          W = 0
C
C -----FORMATED OUTPUT FOR THE MESFREQ FILE-----
C
          WRITE(8,540)INCGD,'MESSAGE FREQUENCY OUTPUT FOR ',MESSCD,
            *' MHZ BEACONS'
          WRITE(8,541)'X: HOUR IN DAY      Y: JULIAN DAY IN YEAR'
          WRITE(8,545)'OCC TIME:',LLIM2,'/',LLIM3,'/',LLIM1,'-',
            *HLIM2,'/',HLIM3,'/',HLIM1
          WRITE(8,553)'YX--  1  2  3  4  5  6  7  8  9',
            *' 10 11 12 13 14',
            *' 15 16 17 18 19 20 21 22 23 24 | TOT'
          WRITE(8,550)' | =====',
            *'=====',
            *'=====
          DAY = 0
          DO 600 Q = LDAY,HDAY
            DAY = DAY + 1
            IF ((MOD(DAY,7).EQ.1).AND.(DAY.NE.1)) THEN
              W = W + 1
          WRITE(8,550)'-----',
            *'-----',
            *'-----
          WRITE(8,530)' WK',W,WKCOUNT(W,1),WKCOUNT(W,2),

```

```

#WKCOUNT(W,3),WKCOUNT(W,4),WKCOUNT(W,5),WKCOUNT(W,6),WKCOUNT(W,7),
#WKCOUNT(W,8),WKCOUNT(W,9),WKCOUNT(W,10),WKCOUNT(W,11),
#WKCOUNT(W,12),WKCOUNT(W,13),WKCOUNT(W,14),WKCOUNT(W,15),
#WKCOUNT(W,16),WKCOUNT(W,17),WKCOUNT(W,18),WKCOUNT(W,19),
#WKCOUNT(W,20),WKCOUNT(W,21),WKCOUNT(W,22),WKCOUNT(W,23),
#WKCOUNT(W,24),WKCOUNT(W,25)
WRITE(8,550)'-----',
#-----',
#-----'
ENDIF
WRITE(8,560)PRINTDAY(Q),COUNT(1,Q),COUNT(2,Q),COUNT(3,Q),
# COUNT(4,Q),COUNT(5,Q),COUNT(6,Q),COUNT(7,Q),COUNT(8,Q),
# COUNT(9,Q),COUNT(10,Q),COUNT(11,Q),COUNT(12,Q),COUNT(13,Q),
# COUNT(14,Q),COUNT(15,Q),COUNT(16,Q),COUNT(17,Q),COUNT(18,Q),
# COUNT(19,Q),COUNT(20,Q),COUNT(21,Q),COUNT(22,Q),COUNT(23,Q),
# COUNT(24,Q),COUNT(25,Q)
600 CONTINUE
WRITE(8,551)'=====',
#-----',
#-----'
WRITE(8,552)'TOT',COUNT(1,366),COUNT(2,366),COUNT(3,366),
#COUNT(4,366),COUNT(5,366),COUNT(6,366),COUNT(7,366),
#COUNT(8,366),COUNT(9,366),COUNT(10,366),COUNT(11,366),
#COUNT(12,366),COUNT(13,366),COUNT(14,366),COUNT(15,366),
#COUNT(16,366),COUNT(17,366),COUNT(18,366),COUNT(19,366),
#COUNT(20,366),COUNT(21,366),COUNT(22,366),COUNT(23,366),
#COUNT(24,366),COUNT(25,366)
WRITE(8,650)' '
WRITE(8,650)' '
530 FORMAT(A3,I2,I3,23I5,' I',I5)
540 FORMAT(T36,A7,A29,A13,A12)
541 FORMAT(T45,A41)
545 FORMAT(T49,A9,T59,5(I2,A),I2,/)
550 FORMAT(A48,A24,A58)
553 FORMAT(A48,A25,A58)
551 FORMAT(A46,A24,A58)
552 FORMAT(A4,I4,23I5,' I',I5)
560 FORMAT(' ',I3,I4,8I5,15I5,' I',I5)

```

C
C-----FORMATED OUTPUT FOR MESFREQ.LUT-----
C

```

W=0
WRITE(9,610)INCGD,'MESSAGE FREQUENCY OUTPUT FOR ',MESSCD,
# ' MHZ BEACONS'
WRITE(9,615)'X: SATILLITES AND LUTS Y: JULIAN DAY IN YEAR'
WRITE(9,617)LLIM2,'/',LLIM3,'/',LLIM1,'-',HLIM2,'/',HLIM3,
# '/',HLIM1
WRITE(9,620)'LUT#1','LUT#2','LUT#3','LUT#4','LUT#10','TOTAL'
WRITE(9,625)'YX--',SATT,SATT,SATT,SATT,SATT,SATT
WRITE(9,632)'I',#-----',
#-----',
#-----'
DAY = 0
DO 602 Q=LDAY,HDAY
DAY = DAY + 1
IF ((MOD(DAY,7),EQ,1).AND.(DAY,NE,1)) THEN
W = W + 1
WRITE(9,630)'-----',
#-----',
#-----'
WRITE(9,635)'WK',W,WKSATCNT(W,1,1),WKSATCNT(W,1,2),
#WKSATCNT(W,1,3),WKSATCNT(W,1,4),WKSATCNT(W,1,5),WKSATCNT(W,2,1),
#WKSATCNT(W,2,2),WKSATCNT(W,2,3),WKSATCNT(W,2,4),WKSATCNT(W,2,5),
#WKSATCNT(W,3,1),WKSATCNT(W,3,2),WKSATCNT(W,3,3),WKSATCNT(W,3,4),
#WKSATCNT(W,3,5),WKSATCNT(W,4,1),WKSATCNT(W,4,2),WKSATCNT(W,4,3),
#WKSATCNT(W,4,4),WKSATCNT(W,4,5),WKSATCNT(W,5,1),WKSATCNT(W,5,2),

```

```

#WKSATCNT(W,5,3),WKSATCNT(W,5,4),WKSATCNT(W,5,5),WKSATCNT(W,6,1),
#WKSATCNT(W,6,2),WKSATCNT(W,6,3),WKSATCNT(W,6,4),WKSATCNT(W,6,5)
WRITE(9,630)'-----',
#-----',
#-----'
ENDIF
WRITE(9,640)PRINTDAY(Q),SATLUTCNT(Q,1,1),SATLUTCNT(Q,1,2),
#SATLUTCNT(Q,1,3),SATLUTCNT(Q,1,4),SATLUTCNT(Q,1,5),
#SATLUTCNT(Q,2,1),SATLUTCNT(Q,2,2),SATLUTCNT(Q,2,3),
#SATLUTCNT(Q,2,4),SATLUTCNT(Q,2,5),SATLUTCNT(Q,3,1),
#SATLUTCNT(Q,3,2),SATLUTCNT(Q,3,3),SATLUTCNT(Q,3,4),
#SATLUTCNT(Q,3,5),SATLUTCNT(Q,4,1),SATLUTCNT(Q,4,2),
#SATLUTCNT(Q,4,3),SATLUTCNT(Q,4,4),SATLUTCNT(Q,4,5),
#SATLUTCNT(Q,5,1),SATLUTCNT(Q,5,2),SATLUTCNT(Q,5,3),
#SATLUTCNT(Q,5,4),SATLUTCNT(Q,5,5),SATLUTCNT(Q,6,1),
#SATLUTCNT(Q,6,2),SATLUTCNT(Q,6,3),SATLUTCNT(Q,6,4),
#SATLUTCNT(Q,6,5)
602 CONTINUE

```

```

WRITE(9,631)'=====',
#-----',
#-----'
WRITE(9,645)'TOT',SATLUTCNT(366,1,1),SATLUTCNT(366,1,2),
#SATLUTCNT(366,1,3),SATLUTCNT(366,1,4),SATLUTCNT(366,1,5),
#SATLUTCNT(366,2,1),SATLUTCNT(366,2,2),SATLUTCNT(366,2,3),
#SATLUTCNT(366,2,4),SATLUTCNT(366,2,5),SATLUTCNT(366,3,1),
#SATLUTCNT(366,3,2),SATLUTCNT(366,3,3),SATLUTCNT(366,3,4),
#SATLUTCNT(366,3,5),SATLUTCNT(366,4,1),SATLUTCNT(366,4,2),
#SATLUTCNT(366,4,3),SATLUTCNT(366,4,4),SATLUTCNT(366,4,5),
#SATLUTCNT(366,5,1),SATLUTCNT(366,5,2),SATLUTCNT(366,5,3),
#SATLUTCNT(366,5,4),SATLUTCNT(366,5,5),SATLUTCNT(366,6,1),
#SATLUTCNT(366,6,2),SATLUTCNT(366,6,3),SATLUTCNT(366,6,4),
#SATLUTCNT(366,6,5)
WRITE(9,650)' '
WRITE(9,650)' '
510 FORMAT(T36,A7,A29,A13,A12)
515 FORMAT(T40,A46)
517 FORMAT(T54,5(I2,A),I2,/)
520 FORMAT(T13,A5,T34,A5,T55,A5,T76,A5,T97,A6,T117,A6)
625 FORMAT(A5,A18,T27,A18,T48,A18,T69,A18,T90,A18,T111,A18)
630 FORMAT(A48,A24,A58)
632 FORMAT(A,A48,A24,A58)
631 FORMAT(A49,A24,A58)
635 FORMAT(A2,I2,I3,4I4,' I',4(5I4,' I'),4I4,I5)
640 FORMAT(I3,5(5I4,' I'),4I4,I5)
645 FORMAT(A3,5(5I4,' I'),4I4,I5)
650 FORMAT(A)

```

C
C-----FORMATED OUTPUT FOR THE MESFREQ.TPC-----
C

```

W = 0
WRITE(10,740)INCGD,'MESSAGE FREQUENCY OUTPUT FOR ',MESSCD,
# ' MHZ BEACONS'
WRITE(10,741)'X: HOUR IN DAY Y: JULIAN DAY IN YEAR'
WRITE(10,745)'TPC: ',LLIM2,'/',LLIM3,'/',LLIM1,'-',HLIM2,
# '/',HLIM3,'/',HLIM1
WRITE(10,750)'YX-- 1 2 3 4 5 6 7 8 9',
# ' 10 11 12 13 14',
# ' 15 16 17 18 19 20 21 22 23 24 I TOT'
WRITE(10,755)'I'=====',
#-----',
#-----'
DAY = 0
DO 710 Q=LDAY,HDAY
DAY = DAY + 1
IF ((MOD(DAY,7),EQ,1).AND.(DAY,NE,1)) THEN
W = W + 1

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WRITE(10,755)'-----',
*-----',
*-----'
WRITE(10,760)' WK',M,WKTPCCNT(W,1),WKTPCCNT(W,2),
*WKTPCCNT(W,3),WKTPCCNT(W,4),WKTPCCNT(W,5),WKTPCCNT(W,6),
*WKTPCCNT(W,7),WKTPCCNT(W,8),WKTPCCNT(W,9),WKTPCCNT(W,10),
*WKTPCCNT(W,11),WKTPCCNT(W,12),WKTPCCNT(W,13),
*WKTPCCNT(W,14),WKTPCCNT(W,15),WKTPCCNT(W,16),
*WKTPCCNT(W,17),WKTPCCNT(W,18),WKTPCCNT(W,19),
*WKTPCCNT(W,20),WKTPCCNT(W,21),WKTPCCNT(W,22),
*WKTPCCNT(W,23),WKTPCCNT(W,24),WKTPCCNT(W,25)
WRITE(10,755)'-----',
*-----',
*-----'
ENDIF
WRITE(10,765)PRINTDAY(Q),TPCCOUNT(1,Q),TPCCOUNT(2,Q),
*TPCCOUNT(3,Q),TPCCOUNT(4,Q),TPCCOUNT(5,Q),TPCCOUNT(6,Q),
*TPCCOUNT(7,Q),TPCCOUNT(8,Q),TPCCOUNT(9,Q),TPCCOUNT(10,Q),
*TPCCOUNT(11,Q),TPCCOUNT(12,Q),TPCCOUNT(13,Q),TPCCOUNT(14,Q),
*TPCCOUNT(15,Q),TPCCOUNT(16,Q),TPCCOUNT(17,Q),TPCCOUNT(18,Q),
*TPCCOUNT(19,Q),TPCCOUNT(20,Q),TPCCOUNT(21,Q),TPCCOUNT(22,Q),
*TPCCOUNT(23,Q),TPCCOUNT(24,Q),TPCCOUNT(25,Q)
710 CONTINUE
WRITE(10,755)' =====',
*=====',
*====='
WRITE(10,775)' TOT',TPCCOUNT(1,366),TPCCOUNT(2,366),
*TPCCOUNT(3,366),TPCCOUNT(4,366),TPCCOUNT(5,366),
*TPCCOUNT(6,366),TPCCOUNT(7,366),TPCCOUNT(8,366),
*TPCCOUNT(9,366),TPCCOUNT(10,366),TPCCOUNT(11,366),
*TPCCOUNT(12,366),TPCCOUNT(13,366),TPCCOUNT(14,366),
*TPCCOUNT(15,366),TPCCOUNT(16,366),TPCCOUNT(17,366),
*TPCCOUNT(18,366),TPCCOUNT(19,366),TPCCOUNT(20,366),
*TPCCOUNT(21,366),TPCCOUNT(22,366),TPCCOUNT(23,366),
*TPCCOUNT(24,366),TPCCOUNT(25,366)
WRITE(10,650)' '
WRITE(10,650)' '
C
740 FORMAT(T36,A7,A29,A13,A12)
741 FORMAT(T45,A41)
745 FORMAT(T53,A5,T59,5(I2,A),I2,/)
750 FORMAT(A48,A25,A57)
755 FORMAT(A48,A24,A58)
760 FORMAT(A3,I2,I3,23I5,' I',I5)
765 FORMAT(' ',I3,I4,8I5,15I5,' I',I5)
775 FORMAT(A4,I4,23I5,' I',I5)
C
C
C
C
PRINT*, 'ANOTHER DISTRICT(...Y..N...)'
READ(1,700)CGDLOOP
700 FORMAT(A1)
IF (CGDLOOP.EQ.'Y') THEN
GO TO 800
ELSE
GO TO 9999
ENDIF
800 PRINT*, 'SAME START AND STOP DATES (Y/N)'
READ(1,700)CGDLOOP
IF (CGDLOOP .EQ. 'Y') THEN
GO TO 4
ELSE
GO TO 2
ENDIF
9999 ENDFILE(8)

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CLOSE(8)
ENDFILE(9)
CLOSE(9)
STOP
END
C=====
C SUBROUTINE TO CHANGE MONTHLY CALANDAR DAYS TO JULIAN DAYS
C=====
SUBROUTINE JDAY(MMM,DDD,TOTDAY)
C
INTEGER MMM,DDD,ADDAY,TOTDAY,J
C
ADDAY = 0
TOTDAY = 0
IF (MMM .NE. 1) THEN
DO 7100 J = 2,MMM
IF ((J.EQ.5).OR.(J.EQ.7).OR.(J.EQ.10).OR.(J.EQ.12))
* ADDAY = 30
IF ((J.EQ.2).OR.(J.EQ.4).OR.(J.EQ.6).OR.(J.EQ.8).OR.
*(J.EQ.9).OR.(J.EQ.11)) ADDAY = 31
IF (J.EQ.3) ADDAY = 29
TOTDAY = TOTDAY + ADDAY
7100 CONTINUE
ENDIF
TOTDAY = TOTDAY + DDD
RETURN
END
C=====
C SUBROUTINE TO FIND DATA ERRORS
C=====
SUBROUTINE ERRCHK(SRR)
C
COMMON /BLOCK3/OY,OY1,OY2,OY3,OY4,MC1,MC2,MC3,SAT,LUT,
*TCA1,TCA2,TCA3,TPC1,TPC2,TPC3
C
INTEGER OY,OY1,OY2,OY3,OY4,MC1,MC2,MC3,TCA1,TCA2,TCA3,LUT,
*TPC1,TPC2,TPC3
CHARACTER*3 SAT,ERROR
CHARACTER*6 SRR(2)
C
ERROR='NO'
IF ((OY .LT. 81) .OR. (OY .GT. 84)) GO TO 9010
IF ((OY1 .LT. 1) .OR. (OY1 .GT. 12)) GO TO 9010
IF ((OY2 .LT. 1) .OR. (OY2 .GT. 31)) GO TO 9010
IF ((OY3 .LT. 0) .OR. (OY3 .GT. 24)) GO TO 9010
IF ((TPC1 .LT. 1) .OR. (TPC1 .GT. 366)) GO TO 9010
IF ((TPC2 .LT. 0) .OR. (TPC2 .GT. 24)) GO TO 9010
IF ((TPC3 .LT. 0) .OR. (TPC3 .GT. 59)) GO TO 9010
IF ((SAT.NE.'C01').AND.(SAT.NE.'C02').AND.(SAT.NE.'S01').AND.
*(SAT.NE.'S02').AND.(SAT.NE.'C03')) THEN
PRINT*, 'SAT=',SAT
GO TO 9010
ENDIF
IF ((LUT.NE.1).AND.(LUT.NE.2).AND.(LUT.NE.3).AND.(LUT.NE.4).AND.
*(LUT.NE.10).AND.(LUT.NE.20)) THEN
PRINT*, 'LUT =',LUT
GO TO 9010
ENDIF
GO TO 9110
9010 ERROR = 'YES'
C
9110 RETURN
END
C SUBROUTINE TO FIND WEEKLY TALLIES OF MESSAGES
C=====
C

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SUBROUTINE WKTOT(WK,DY)
C
COMMON /BLOCK1/ CNT(25,366),WEE(52,25)
COMMON /BLOCK4/ CNT2(25,366),WEE2(52,25)
INTEGER WK,CNT,SLCNT,DY,HR,WEE,ZZ,WEE2,CNT2
C
DO 8000 HR = 1,25
DO 8100 ZZ = DY-6,DY
WEE(WK,HR) = WEE(WK,HR) + CNT(HR,ZZ)
WEE2(WK,HR) = WEE2(WK,HR) + CNT2(HR,ZZ)
8100 CONTINUE
8000 CONTINUE
RETURN
END
C=====
C SUBROUTINE TO FIND WEEKLY TALLIES OF SATILLITES AND LUTS
C=====
C
SUBROUTINE WKSATTDY(WK2,DY2)
C
COMMON /BLOCK2/ SATLUTCNT(366,6,5),WKSATCNT(52,6,5)
INTEGER WK2,DY2,SATLUTCNT,WKSATCNT
C
DO 8500 LL=1,6
DO 8400 ST=1,5
DO 8300 ZZ=DY2-6,DY2
WKSATCNT(WK2,LL,ST) = WKSATCNT(WK2,LL,ST) + SATLUTCNT(ZZ,LL,ST)
8300 CONTINUE
8400 CONTINUE
8500 CONTINUE
RETURN
END
OK,

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SLIST AAA.DATA

018300461A1916	325/83	3251914325/1914CD110325/1848325/184842	35.8083	47.1AFRCC	41	34.6071	08.7CGD1	99F1A5087199F1B50872
018300461A0007	326/83	3252359325/2359SD110325/2333325/233341	29.9070	37.7CGD1	42	45.3044	23.0CMCC	99F1A5090217F1B50899
018300461A2353	325/83	3252346325/2346SD101325/2333325/234341	33.6070	56.9CGD1	40	55.5064	05.0CMCC	09F1B5087299F1B50899
018300538A2130	364/83	3642127364/2127SD110364/2114364/211455	20.9003	28.20THER	41	34.4069	38.3CGD1	99F2A5851499F2B58515
018300538A2336	364/83	3642334364/2334SD110364/2252364/225246	21.5046	06.4CMCC	41	47.7069	24.4CGD1	99F2A5854917F2B58515
018300582A0959	346/83	3460957346/0957CD204346/0909346/093441	47.6077	31.3AFRCC	42	19.7070	53.8CGD1	99F1A5463099F1B54631
018300582A0959	346/83	3460957346/0957CD204346/0909346/093441	47.6077	31.3AFRCC	42	19.7070	53.8CGD1	99F1A5463099F1B54631
018300582A1151	346/83	3461153346/1153SD110346/1118346/111842	07.6070	46.9CGD1	33	52.0027	02.60THER	12F1B5463199F2B54643
018300582A1151	346/83	3461153346/1153SD110346/1118346/111842	07.6070	46.9CGD1	33	52.0027	02.60THER	12F1B5463199F2B54643
018300898A1145	075/83	0751143075/1113CD104075/1029075/104841	13.3069	24.4CGD1	40	22.6080	10.4AFRCC	99F1A0416799F1B04169
018301059A2126	114/84	1142122114/2121CD110001/0000114/165738	44.3027	25.80THER	41	36.9069	11.9CGD1	99F1A0805399F1B08054
018302721A0306	194/83	1940304194/0249SD110001/0000194/001541	23.4070	55.1CGD1	38	25.9085	36.6AFRCC	99F2A2003499F2B20035
018304048A2318	230/83	2302314230/2313SD110230/2239230/223947	50.8042	14.3CMCC	42	44.9068	39.4CGD1	99F1A2987999F1B29880
018304248A1414	235/83	2351412235/1410SD101235/1249235/130644	57.0072	14.4AFRCC	44	07.9068	01.9CGD1	99F2A3137099F2B31371
018304738A0410	252/83	2520406252/0328CD101252/0235252/024740	50.6064	12.2CGD1	41	25.2071	26.0AFRCC	99F1A3538399F1B35384
018305151A0149	274/83	2740150274/0150SD110273/2353273/235341	32.2071	04.8CGD1	40	55.9074	08.1AFRCC	99F2A4094799F2B40948
018305151A0136	274/83	2740137274/0136SD110273/2353273/235341	25.0071	10.2CGD1	40	51.8073	57.8AFRCC	99F2A4094399F2B40944
018305151A0011	274/83	2740012274/0012SD101273/2353274/000340	58.9073	28.0CGD3	41	18.9071	47.5CGD1	99F1A4091199F1B40912
038300000A1431	148/83	1481433148/1433CD110001/0000148/135534	53.9069	08.4CGD3	33	47.6053	32.8CGD3	99F1A1180499F1B11805
038300000A1406	148/83	1481408148/1408CD101148/1355148/140536	11.6068	10.1CGD3	35	13.1054	15.0CGD3	99F1A1179499F1B11795
038300000A1636	148/83	1481637148/1636CD110001/0000148/154236	01.1067	53.2CGD3	38	34.7108	17.4AFRCC	17F1A1179499F1B11828
038300003A1904	121/83	1211902121/1900CD110001/0000121/173141	06.7072	40.1CGD3	40	20.0063	20.4CGD3	99F1A0891299F1B08913
038300003A1346	120/83	1201345120/1344CD110001/0000120/050740	32.1074	08.8CGD3	41	00.2068	06.6CGD1	99F1A0874221F1A08842
038300003A0417	121/83	1210417121/0416CD110001/0000121/035640	28.2074	09.8CGD3	43	22.1035	05.50THER	03F1A40874299F1B08817
038300009A0726	300/83	3000723300/0723CD204300/0427300/045238	07.5068	23.5CGD3	41	25.9117	40.4AFRCC	16F1B4627822F1A46374
038300009A0448	300/83	3000446300/0446CD204300/0242300/025741	38.2058	11.5CGD3	42	46.7072	25.6AFRCC	17F1A4631799F1B46349
038300009A0415	300/83	3000413300/0412CD201300/0242300/025141	59.1071	12.2AFRCC	41	04.7059	35.0CGD3	03F1B4627599F1B46344
038300009A0250	300/83	3000239300/0207SD104300/0033300/004641	47.2057	51.4CGD3	32	19.9104	33.1AFRCC	99F1A4631799F1B46318
038300009A0232	300/83	3000227299/2200CD101299/2112299/212642	33.6083	34.2AFRCC	40	29.9055	19.4CGD3	99F1A4628299F1B46283
038300011A0958	300/83	3000957300/0956CD110300/0813300/081338	17.3064	55.2CGD3	38	02.5068	18.8CGD3	99F1A4638822F1B46278
038300011A0418	300/83	3000416300/0416CD201300/0241300/025138	09.8068	23.7CGD3	37	46.7063	13.0CGD3	15F1B4627899F1B46345
038300011A0318	300/83	3000315300/0315SD110300/0032300/003238	03.2068	44.6CGD3	33	04.0092	43.4AFRCC	14F1B4627899F2B46326
038300011A0245	300/83	3000235300/0121SD110001/000001/000038	13.6068	25.0CGD3	42	46.7045	35.0CGD3	13F1B4627899F2B46307
038300011A0241	300/83	3000233300/0055CD110299/2111299/211138	15.3069	20.4CGD3	38	22.2070	22.3CGD3	99F1A4630303F1A464277
038300011A1442	300/83	3001441300/1440CD201300/1342300/134933	18.9049	23.3CGD3	31	47.9073	12.6CGD5	24F2B4644099F1B46448
038300060A0849	098/83	0980848098/0847CD110001/0000098/080640	38.7073	17.9CGD3	39	54.8082	54.5AFRCC	16F1A0640112F1B06457
038300060A0650	098/83	0980648098/0648CD110001/0000098/062040	42.8073	14.5CGD3	43	50.3028	52.60THER	20F1A0640117F1B06454
038300060A0629	098/83	0980626098/0626CD101098/0619098/062340	42.3073	10.1CGD3	43	48.1029	17.10THER	16F1A0638799F1B06454
038300060A0826	098/83	0980825098/0824CD101098/0806098/082140	41.7073	12.7CGD3	39	54.5083	12.3AFRCC	18F1A0638799F1B06457
038300060A2215	098/83	0982214098/2214CD102098/2141098/215540	40.4073	03.3CGD3	43	36.0109	45.2AFRCC	99F1A0653699F1B06537
038300060A2105	099/83	0992104099/2103CD101099/2030099/205140	49.5073	40.0CGD3	41	01.7076	16.0AFRCC	99F1A0670999F1B06710
038300060A2242	097/83	0972236097/2235CD110001/0000097/210540	28.3073	33.6CGD3	41	33.2087	24.7AFRCC	99F1A0640199F1B06402
038300123A0142	207/83	2070142207/0142SD101207/0033207/010228	09.8095	08.8CGD8	34	17.1066	08.5CGD3	99F2A2338314F2A23343
038300123A0056	207/83	2070055207/0055SD101207/0033207/004727	43.9094	54.9CGD8	33	18.1066	06.0CGD3	99F1A2337014F2A23343
038300123A0008	207/83	2062347206/2347SD110206/2253206/225334	02.1066	11.2CGD3	38	00.0042	21.2CGD3	99F2A2334314F1B23329
038300123A2310	206/83	2062309206/2309SD101206/2253206/230433	56.3066	03.6CGD3	37	54.9047	03.0CGD3	19F1A2325299F1B23329
038300123A2039	206/83	2062038206/2037CD101206/2011206/202733	58.6066	03.0CGD3	31	41.9101	44.5AFRCC	17F1A2325299F1B23266
038300287A1253	069/83	0691252069/1251CD102069/1216069/122839	50.1073	22.1CGD3	37	34.0107	35.0AFRCC	07F1A0319899F1B03278
038300287A1052	069/83	0691043069/1042CD101069/1030069/104039	51.8073	16.9CGD3	41	13.4055	49.3CGD3	03F1A0319899F1B03266
038300287A0426	069/83	0690423069/0422CD102069/0115069/013039	39.1073	24.4CGD3	42	51.6114	41.4AFRCC	18F1A0319899F1B03227
038300287A2344	068/83	0682343068/2342CD101068/2329068/234039	57.5073	16.8CGD3	39	01.0060	55.4CGD3	04F1B0310999F1B03187
038300287A0336	069/83	0690334069/0333CD110001/0000068/232939	55.6073	17.1CGD3	39	00.7060	59.1CGD3	99F1A0319803F1B03187
038300287A1201	068/83	0681200068/1200CD101068/1141068/115539	51.5073	17.1CGD3	38	46.1087	31.0AFRCC	07F1B0310999F1B03147
038300287A1011	068/83	0681011068/1010CD101068/0955068/1100339	50.3073	18.8CGD3	42	48.9034	07.90THER	01F1B0310999F1B03145
038301105A0728	270/83	2700728270/0727CD10270/0600270/060040	37.7073	36.5CGD3	39	08.2054	11.1CGD3	02F1A4004199F1B40110
038301105A0804	270/83	2700802270/0802CD202270/0746270/075240	35.8073	34.0CGD3	43	14.3107	12.0AFRCC	02F1A4004199F1B40120
038301105A0302	270/83	2700301270/0300CD101270/0234270/024640	37.6073	36.3CGD3	44	12.2124	45.3CGD13	01F1A4004199F1B40090
038301105A0116	270/83	2700114270/0114CD101270/0047270/005840	39.2073	34.1CGD3	40	22.5069	54.4CGD3	01F1A4004199F1B40059
038301105A1816	269/83	2691817269/1816CD10269/1629269/162940	10.1073	39.4CGD3	43	22.5028	16.20THER	01F1A3985399F1B39991
038301105A0151	270/83	2700148270/0148SD101270/0120270/013040	36.7073	38.9CGD3	32	37.4112	08.0AFRCC	03F1A4004199F1B40066
038301105A1908	269/83	2691905269/1904CD201269/1815269/182840	12.1073	35.4CGD3	39	30.3082	32.9AFRCC	02F1A3985399F1B39988
038307011A0056	295/83	2950055295/0054SD101295/0040295/005136	56.7067	30.6CGD3	30	55.7096	56.9AFRCC	22F1A4538699F1B45398
038307011A2314	294/83	2942311294/2311SD101294/2300294/230937	10.1067	33.9CGD3	40	53.6049	19.2CGD3	09F1A4538699F1B45391
038307011A2326	294/83	2942324294/2323SD110294/2300294/230036	28.9070	28.6CGD3	41	24.6046	30.7CGD3	99F2A4539299F2B45393

038307011A2336	294/83	2942332294/233250110294/2300294/230038	21.4064	41.1CGD3	40 47.7052	43.2CGD3	99F2A453999F2B45395
038307011A2250	294/83	2942249294/2249CD110294/2147294/214739	05.3076	43.40THER	38 01.7063	05.7CGD3	08F1A0277799F1B45390
03830701A0059	296/83	2960059296/0059SD010296/0018296/003138	17.3069	51.3CGD3	35 05.8085	15.1AFRCC	99F1A4553399F1B45534
038307020A1826	315/83	3151825315/1825CD104315/1812315/182336	04.0067	34.0CGD3	34 08.5038	32.70THER	16F1B4823499F1B48324
038307020A1744	315/83	3151739315/1238SD101315/1228315/123735	39.3065	58.2CGD3	36 00.4067	41.3CGD3	99F1A4827110F1B48234
038307020A1801	315/83	3151750315/1436SD104315/1407315/143235	40.3067	48.1CGD3	45 04.5113	52.1AFRCC	10F1B4823499F2B48296
038307020A1739	315/83	3151730315/0825CD104315/0812315/082435	57.8067	39.9CGD3	33 05.4113	29.8AFRCC	09F1B4823499F1B48246
058300018A1802	283/83	2831804283/1803CD202283/1752283/180139	26.2075	57.0CGD5	36 47.1115	06.2AFRCC	02F1A4314499F1B43366
058300018A1630	283/83	2831632283/1632CD201283/1607283/161939	27.2075	59.7CGD5	40 23.8064	00.4CGD1	01F1A4314499F1B43356
058300018A1410	283/83	2831412283/1411SD110283/1357283/135739	27.0075	58.1CGD5	44 07.5099	15.2AFRCC	01F1A4314499F1B43305
058300018A1417	283/83	2831419283/1415SD101283/1357283/140939	26.9075	55.0CGD5	44 06.2099	34.2AFRCC	02F1A4314414F1B43305
058300018A1234	283/83	2831236283/1236SD110283/1217283/121739	27.7075	59.9CGD5	34 27.6051	46.9CGD3	01F1A4314499F1B43289
058300018A1059	283/83	2831051283/1050CD101283/1036283/104739	29.5076	05.2CGD5	39 53.1071	04.0CGD3	05F1A4314499F1B43286
058300018A0906	283/83	2830902283/0902CD110283/0849283/084939	25.3076	01.1CGD5	43 26.1015	25.60THER	03F1A4314499F1B43282
058300018A0829	283/83	2830831283/0831CD210283/0655283/065539	28.2075	57.7CGD5	42 52.5125	21.8CGD13	00F1A4314499F1B43267
058300018A0526	283/83	2830527283/0527CD201283/0509283/052139	27.7075	59.6CGD5	39 04.8070	57.7CGD3	01F1A4314499F1B43260
058300018A0150	283/83	2830152283/0152SD101283/0139283/014939	12.2076	01.3CGD5	30 16.7118	29.4CGD11	16F1A4314499F1B43248
058300018A0025	283/83	2830027283/0027SD101282/2359283/000939	28.2075	58.8CGD5	40 23.6071	25.3CGD3	01F1A4314499F1B43242
058300018A2350	282/83	2822347282/2347CD101282/2334282/234639	29.7076	23.4CGD5	39 25.8075	33.5CGD5	19F1A4314415F1A43144
058300018A2241	282/83	2822238282/2238SD110282/2220282/222039	26.1076	01.4CGD5	49 38.4023	34.10THER	03F1A4314499F2B43227
058300018A1742	282/83	2821737282/1737CD210282/1724282/172439	26.0075	57.7CGD5	37 47.7098	21.1AFRCC	02F1A4314499F1B43198
058300018A1602	282/83	2821553282/1552CD210282/1538282/153839	26.5075	59.1CGD5	41 42.0045	45.6CGD3	01F1A4314499F1B43182
058300018A1437	282/83	2821438282/1438SD110282/1418282/141839	26.8075	57.6CGD5	46 08.5109	30.0AFRCC	01F1A4314499F1B43165
058300018A1437	282/83	2821438282/1438SD110282/1418282/141839	26.8075	57.6CGD5	46 08.5109	30.0AFRCC	01F1A4314499F1B43165
058300018A1253	282/83	2821254282/1253SD101282/1238282/124839	27.5075	58.3CGD5	36 40.3062	09.9CGD3	99F1A4314499F1B43145
058300334A0153	153/83	1530152153/0152CD101153/0134153/014735	31.7070	36.0CGD5	35 10.4075	36.8CGD5	99F1A1250399F1B12504
058300424A2143	193/83	1932142193/2137CD101193/2122193/213536	53.6076	20.1CGD5	36 16.4084	50.3AFRCC	99F1A1995099F1B19951
058300424A1106	194/83	1941106194/1106CD102194/1054194/110436	54.7076	20.6CGD5	39 31.2113	08.2AFRCC	01F1A1995099F1B20142
058300424A1247	194/83	1941247194/1247SD101194/1233194/124236	53.4076	21.7CGD5	33 52.9061	41.0CGD3	01F1A1995099F1B20152
058300424A0927	194/83	1940927194/0927CD101194/0908194/092237	01.0076	18.6CGD5	35 47.8059	30.4CGD3	07F1A1995099F1B20130
058300424A0442	194/83	1940442194/0441CD201194/0349194/040336	53.5076	20.4CGD5	34 58.3163	59.0AFRCC	00F1A1995099F1B20089
058300424A0331	194/83	1940331194/0330CD210001/0000194/020336	55.6076	21.3CGD5	38 38.5051	28.4CGD3	01F1A1995099F1B20049
058300424A0316	194/83	1940316194/0315SD102194/0155194/020936	55.6076	20.8CGD5	26 29.5125	37.0CGD11	01F1A1995099F1B20044
058300424A0028	194/83	1940028194/0027SD101194/0014194/002636	42.0077	55.5AFRCC	36 59.9076	27.3CGD5	12F1B1997008F1A19950
058300424A2254	193/83	1932252193/2252SD110001/0000193/223536	59.2076	20.9CGD5	46 09.3030	28.2CMCC	04F1A1995099F1B19965
058300425A0505	197/83	1970505197/0151SD110196/2310196/231037	09.3076	36.8CGD5	43 03.3047	20.2CGD3	14F1A2068699F2B20699
058300425A1413	196/83	1961413196/1413SD110196/1150196/115036	33.8075	21.9CGD5	29 30.1042	17.7CGD3	21F1A2063499F2B20657
058300425A0236	196/83	1960236196/0236CD210196/0115196/011535	02.3074	03.5CGD5	37 29.6035	30.90THER	10F1A2055699F1B20581
058300425A2301	195/83	1952301195/2220CD110195/2047195/204734	22.0076	01.6CGD5	34 31.3073	47.8CGD5	99F1A2054025F1A20518
058300425A1753	195/83	1951754195/1753CD201195/1600195/161733	13.3072	34.8CGD5	35 06.6099	55.7AFRCC	24F2B2041199F1B20492
058300425A2025	196/83	1962011196/2010CD101196/1935196/194337	16.3076	20.9CGD5	39 32.3041	34.9CGD3	99F1A2068699F1B20687
058300425A1212	196/83	1961213196/1212CD110196/0833196/083336	16.7075	04.8CGD5	34 39.3050	31.8CGD3	99F1A2063499F1B20635
058300425A0357	196/83	1960357196/0357CD201196/0301196/032534	25.9088	04.2AFRCC	35 20.4075	07.2CGD5	99F1A2059999F1B20600
058300425A0352	196/83	1960353196/0352CD210196/0301196/030135	20.2074	23.5CGD5	34 23.0088	39.1AFRCC	99F1A2059799F1B20598
058300425A2349	195/83	1952350195/2349SD101195/2331195/234334	52.5073	58.2CGD5	38 05.3058	26.0CGD3	99F1A2055699F1B20557
058300425A1933	195/83	1951934195/1933CD110195/1901195/190134	07.2073	38.2CGD5	37 04.7021	35.30THER	99F1A2051899F1B20519
058300425A1311	195/83	1951311195/1310SD110195/1213195/121329	26.8056	32.8CGD3	32 58.5072	59.8CGD5	99F2A2041099F2B20411
058300425A0316	195/83	1950317195/0240SD110195/0132195/013223	08.7116	52.6CGD11	32 44.0072	13.9CGD5	99F2A2032599F2B20326
058300425A1110	195/83	1951111195/1110CD101195/0942195/095632	28.6072	48.2CGD5	33 15.0084	47.4AFRCC	99F1A2036899F1B20369
058300492A1437	221/83	2211437221/1436SD110221/1253221/125334	51.2070	53.9CGD5	35 58.5076	21.9CGD5	10F2A2733199F2B27334
058300492A1423	221/83	2211424221/1423SD110221/1273221/125334	48.8070	42.3CGD5	36 01.1076	32.4AFRCC	99F2A2733117F1B27308
058300527A1139	239/83	2391140239/1140SD110239/1124239/112436	55.1072	07.4CGD5	28 30.8032	12.70THER	99F1A3238699F1B32387
058300533A1126	244/83	2441126244/1126CD202244/1112244/112335	13.6074	09.6CGD5	38 23.4123	15.5CGD12	07F1A3345399F1B33466
058300533A1017	244/83	2441016244/1016CD210244/0926244/092635	11.7070	00.8CGD5	34 52.4069	15.4CGD3	99F1A3345399F1B33454
058300541A1405	247/83	2471405247/1404SD101247/1334247/134636	27.2090	03.0AFRCC	33 53.7077	33.3CGD5	99F1A3440711F2B34396
058300541A1502	247/83	2471501247/1501CD101247/1413247/142235	34.7052	46.9CGD3	33 55.6077	22.5CGD5	99F1A3441705F2B34396
058300541A2040	247/83	2472039247/2039CD201247/2007247/202133	55.0077	27.1CGD5	35 21.2057	01.5CGD3	07F2B343999F1B34457
058300541A0551	248/83	2480540248/0513CD101248/0344248/041733	53.9076	03.5CGD5	34 25.8083	26.3AFRCC	99F1A3461999F1B34620
058300541A1213	247/83	2471213247/1212SD110247/1153247/115326	18.6042	07.4CGD3	33 50.8077	19.8CGD5	99F2A3439599F2B34396
078300802A0202	304/83	3040202304/0202SD104304/0042304/010521	07.5084	45.5CGD7	22 59.8076	09.1CGD7	29F2A4719799F2B47198
078300802A1403	304/83	3041400304/1400SD101304/1309304/132323	00.3076	04.1CGD7	24 32.2083	07.2CGD7	99F2A4727599F2B47276
078301020A2020	101/83	1012020101/2020CD101101/1950101/201325	02.7080	20.8CGD7	24 02.8062	08.2CGD7	99F1A07202999F1B07030
078301020A2155	101/83	1012155101/2155CD102101/2136101/215025	01.2080	16.7CGD7	26 48.2115	22.8CGD11	03F1A0702999F1B07036
078301241A0048	325/83	3250048325/0048CD204325/0026325/004523	42.9080	20.5CGD7	23 22.0074	25.3CGD7	99F1A5072399F1B50724
078301241A0143	326/83	3260143326/0143SD101326/0108326/012623	36.6080	09.0CGD7	20 40.3093	39.9CGD8	99F1A5092399F1B50924
078301241A0532	325/83	3250532325/0528CD101325/0518325/052423	43.5080	01.7CGD7	25 23.8046	06.5CGD3	17F1A5072399F1B50764

078301241A0912	325/83	3250847325/0847CD104325/0704325/071222	38.3098	45.8MEXICO	23	41.1080	27.6CGD7	99F1A5079106F1A50723
078301474A0911	336/83	3360911336/0911CD110336/0626336/062623	51.5118	09.7CGD11	25	44.6080	11.2CGD7	99F1A5275399F1B52754
078301474A1750	335/83	3351749335/1749CD101335/1731335/174725	45.7676	21.1CGD7	25	59.6080	04.1CGD7	99F1A5272399F1B52724
078301474A1831	336/83	3361832336/1831CD101336/1806336/183026	03.4080	03.2CGD7	27	06.4097	25.8AFRCC	19F1B5275499F1B52878
078301474A1641	336/83	3361642336/1640CD101336/1621336/163824	05.2045	12.6CGD3	25	50.5080	07.3CGD7	99F1A5268807F1B52754
078301474A1338	336/83	3361338336/1338SD101336/1319336/132926	17.1083	07.6CGD7	25	35.7079	55.3CGD7	99F1A5281716F1B52754
078301474A1329	336/83	3361328336/1328SD104336/1319336/132525	43.9088	21.6CGD7	26	13.6082	39.1CGD7	09F1B5275499F1B52811
078301474A1144	336/83	3361144336/1144CD204336/1130336/114025	42.5080	15.1CGD7	24	40.5098	28.0MEXICO	04F1B5275499F1B52795
078301474A1007	336/83	3361003336/1003CD201336/0945336/095025	44.7080	15.5CGD7	27	33.7045	32.8CGD3	04F1B5275499F1B52780
078301474A0140	336/83	3360137336/0137SD104336/0053336/010825	41.6080	14.5CGD7	24	13.4087	04.8CGD8	20F1B5272499F1B52796
078301474A2258	335/83	3352256335/2256CD201335/2238335/225325	41.0080	18.4CGD7	24	26.6058	17.0CGD3	22F1B5272499F1B52753
078304263A0925	075/83	0750924075/0924CD110001/0000075/085019	59.8073	57.6CGD7	20	56.1023	16.60THER	99F1A0415999F1B04160
078304263A1139	075/83	0751139075/1045CD101075/1036075/104220	19.9071	39.9CGD7	20	11.8074	11.9CGD7	99F1A0416318F1A04159
078304518A2248	087/83	0872253087/2230CD101087/2212087/222926	16.9088	51.1CGD8	25	35.1076	43.9CGD7	99F1A0520499F1B05205
078304518A1653	088/83	0881651088/1645CD110001/0000088/073623	30.7075	51.3CGD7	25	57.9024	50.80THER	99F1A0527899F1B05279
078304518A2124	088/83	0882123088/2122CD101088/2102088/211825	30.5076	46.5CGD7	24	26.9057	04.3CGD3	04F1B0520599F1B05313
078304905A0846	100/83	1000847100/0846CD110001/0000100/073429	28.4064	20.6CGD3	28	36.6078	35.1CGD7	99F1A0682999F1B06630
078304905A0254	100/83	1000255100/0254CD110001/0000099/221228	05.5079	38.9CGD7	30	27.0126	50.1CGD12	99F1A0679699F1B06797
078304905A2107	099/83	0992107099/2107CD101099/2026099/205428	08.9079	03.0CGD7	27	49.0073	39.3CGD7	99F1A0671299F1B06713
078304905A1046	101/83	1011046101/1046CD110001/0000101/080928	12.1076	58.4CGD7	27	33.9084	47.3CGD8	99F1A0696499F1B06965
078304905A2234	100/83	1002217100/2217CD110001/0000100/210128	56.7095	00.3CGD8	27	59.9078	49.4CGD7	99F1A0690599F1B06906
078304905A2016	100/83	1002017100/2017CD110001/0000100/191627	54.9078	50.1CGD7	26	01.6042	49.4CGD7	17F1A0671299F1B06884
078304905A0752	100/83	1000753100/0752CD101100/0734100/074428	06.3079	13.8CGD7	29	03.2063	37.1CGD3	09F1A0671299F1B06816
078304909A1046	101/83	1011046101/1046CD110001/0000101/080928	12.1070	58.4CGD7	27	33.9084	47.3CGD8	99F1A0696499F1B06965
078304909A2156	100/83	1002156100/2156CD110001/0000100/210128	57.3096	17.2AFRCC	27	52.3077	34.8CGD7	99F1A0689999F1B06900
078304909A1043	101/83	1011043101/1043CD110001/0000101/080928	05.6078	31.7CGD7	27	38.7085	09.5CGD9	15F1B0690699F1B06963
078305212A1533	112/83	1121532112/0814CD101112/0733112/075528	05.2084	05.9CGD7	27	11.4099	00.2AFRCC	99F1A0793299F1B07933
078305212A0723	113/83	1130721113/0721CD110001/0000113/062324	06.8084	42.2CGD7	25	20.1066	01.4CGD7	99F1A0803199F1B08032
078306727A0753	150/83	1500752150/0752CD201150/0735150/074119	23.7051	39.2CGD3	17	48.7085	19.5CGD7	99F1A1211299F1B12113
078306727A1611	151/83	1511610151/1609CD101151/1535151/155518	43.1102	29.40THER	17	52.2085	35.0CGD7	99F1A1228710F1B12257
078306727A2158	151/83	1512157151/2157CD201151/2121151/214127	55.8085	37.2CGD7	18	42.5101	08.80THER	15F1B1225799F1B12350
078306727A1410	151/83	1511409151/1409CD101151/1350151/140817	53.1085	36.1CGD7	16	18.9049	52.8CGD7	11F1B1225799F1B12265
078306727A0812	151/83	1510812151/0811CD201151/0803151/080917	39.5085	30.5CGD7	18	27.9069	25.0CGD7	13F1B1211321F1B12218
078306727A0834	151/83	1510833151/0833CD210001/0000151/080318	29.2069	28.2CGD7	17	41.0085	33.6CGD7	23F1B1221899F1B12257
078306727A0959	151/83	1510958151/0957CD202151/0949151/095417	44.2085	29.0CGD7	16	08.1121	41.6CGD11	05F1B1225714F1B12239
078306727A0834	151/83	1510833151/0833CD210001/0000151/080318	29.2069	28.2CGD7	17	41.0085	33.6CGD7	23F1B1221899F1B12257
078306727A0418	151/83	1510417151/0416CD101151/0400151/040717	38.8085	25.4CGD7	16	04.1121	26.6CGD11	10F1B1211399F1B12239
078306727A0672	150/83	1510226151/0225CD101151/0214151/022017	36.0085	25.7CGD7	18	24.1069	02.9CGD7	14F1B1211399F1B12218
078306727A2113	150/83	1502113150/2112CD201150/2052150/211117	42.5085	41.9CGD7	17	35.3083	22.1CGD7	21F1B1211399F1B12201
078306727A1521	150/83	1501520150/1520CD101150/1500150/151817	24.9081	37.3CGD7	17	36.8085	25.0CGD7	99F1A1215412F1B12113
078306759A0348	153/83	1530348153/0347CD101153/0324153/033315	39.7116	18.5CGD11	17	16.5079	37.3CGD7	99F1A1253399F1B12534
078306759A0358	153/83	1530357153/0357CD101153/0324153/033616	49.4079	46.8CGD7	15	14.1116	07.5CGD11	99F1A1253799F1B12538
078306759A0726	153/83	1530725153/0725CD201153/0715153/072018	44.5079	04.9CGD7	19	45.9058	41.3CGD7	99F1A1254699F1B12547
078306759A0157	153/83	1530156153/0156CD101153/0138153/014819	38.0064	08.9CGD7	18	51.4079	33.3CGD7	99F1A1250699F1B12507
078306759A0910	153/83	1530910153/0910CD202153/0900153/090617	22.2110	57.8CGD11	18	50.8079	19.7CGD7	99F1A1255911F1B12507
078306759A1410	153/83	1531410153/1409CD110001/0000153/131518	29.8078	58.1CGD7	16	57.8045	27.4CGD3	16F1A1254699F1B12564
078307007A1638	160/83	1601636160/1635CD210001/0000157/053529	08.0077	13.1CGD7	31	52.3025	57.40THER	99F1A1370699F1B13707
078307007A2339	160/83	1602334160/2334CD210001/0000160/202531	15.7109	12.6MEXICO	29	26.0077	26.8CGD7	99F1A1375821F1A13706
078307542A0159	176/83	1760155176/0154CD102176/0057176/011429	15.1083	52.6CGD7	27	15.8120	04.9CGD11	99F1A1647099F1B16471
078307542A0614	176/83	1760614176/0614CD201176/0550176/060329	15.6083	39.6CGD7	28	39.6093	25.0CGD8	11F1A1647099F1B16507
078307542A0415	176/83	1760414176/0414CD201176/0404176/041129	18.2083	45.3CGD7	31	43.1039	40.90THER	07F1A1647099F1B16499
078307730A0450	180/83	1800446180/0446CD201180/0414180/043126	38.3078	57.0CGD7	27	34.8063	10.2CGD3	18F1A1720299F1B17292
078307730A1738	179/83	1791736179/1736CD201179/1708179/173026	46.5079	15.7CGD7	26	30.3074	52.6CGD7	99F1A1720299F1B17203
078308178A0317	188/83	1880317188/0304SD110001/0000188/004026	04.5080	22.3AFRCC	25	35.9082	35.8CGD7	99F2A1868999F2B18690
078308178A0127	189/83	1890126189/0126SD101189/0019189/005028	06.2069	42.4CGD7	25	17.3082	44.2CGD7	99F2A1888519F2B18690
078308389A1640	194/83	1941639194/1552CD201194/1530194/154529	28.3084	11.4CGD8	28	40.6071	19.9CGD7	99F1A2020699F1B20207
078308389A1253	194/83	1941253194/1252SD101194/1236194/124427	50.5070	40.8CGD7	28	02.1071	35.3CGD7	99F1A2015699F1B20157
078308389A0043	194/83	1940043194/0042SD101194/0011194/004028	26.6068	56.0CGD7	26	04.2079	55.0CGD7	99F2A2000408F1B19918
078308629A1609	201/83	2011610201/1610SD110201/1327201/132720	48.1074	08.8CGD7	25	34.6095	38.2CGD8	99F1A2173399F1B21734
078308629		2011308201/1307SD110201/1147201/114714	55.2047	09.4CGD7	21	07.7074	37.9CGD7	99F1A2176299F1B21763
078308629A1142	201/83	2011143201/1142CD110201/0752201/075221	01.0075	15.2CGD7	19	50.2051	31.1CGD3	99F1A2173799F1B21738
078308629A0736	201/83	2010737201/0737CD201201/0342201/040620	25.7074	10.8CGD7	18	25.3121	33.8CGD11	99F1A2171999F1B21720
078308629A0225	201/83	2010223201/0222SD101201/0059201/012120	12.4074	47.2CGD7	15	50.9094	21.9CGD11	99F1A2163499F1B21635
078308629A0120	201/83	2010120201/0120SD110200/2320200/232027	39.2046	12.7CGD3	21	14.1075	27.7CGD7	99F2A2162299F2B21623
078308629A0104	201/83	2010105201/0105SD110200/2319200/231920	48.9074	33.8CGD7	27	00.3046	44.0CGD3	99F1A2162099F1B21621
078308629A1319	202/83	2021318202/1318SD101202/1305202/131220	44.9074	19.7CGD7	23	08.8085	08.8CGD7	99F1A2197899F1B21979

078308629A0909	202/83	2020906202/0858C0101202/0827202/085520	36.4072	30.2CGD7	20	44.6075	04.1CGD7	99F1A2192999F1B21930
078308629A1319	202/83	2021318202/1318S0101202/1305202/131220	44.9074	19.7CGD7	23	08.8085	08.8CGD7	99F1A2197899F1B21979
078308629A0928	203/83	2030927203/0926C0101203/0902203/092120	53.8074	17.6CGD7	21	56.2094	26.6CGD8	99F1A2221499F1B22215
078308629A0436	204/83	2040429204/0429C0210204/0322204/032220	36.8074	58.0CGD7	18	40.1121	22.0CGD11	99F1A2250799F1B22508
078308629A0450	204/83	2040447204/0446C0201204/0322204/033817	39.0121	35.4CGD11	19	49.9074	22.6CGD7	99F1A2251699F1B22517
078308629A0500	204/83	2040459204/0454C0201204/0322204/033920	26.4074	07.9CGD7	18	11.7121	50.9CGD11	99F1A2251999F1B22520
078308629A1235	201/83	2011235201/1234C0110201/0938201/093822	16.0105	45.9CGD11	20	43.9074	02.6CGD7	99F1A2175419F1A21719
078308629A1148	201/83	2011150201/1149C0110201/0752201/075219	37.2052	32.3CGD3	20	41.8074	11.5CGD7	99F1A2173915F1A21719
078308629A0349	201/83	2010350201/0350C0201201/0157201/020320	58.5069	52.6CGD7	20	44.4074	14.3CGD7	99F1A2165318F1A21620
078308629A0218	201/83	2010218201/0217S0101201/0059201/012120	47.9074	13.1CGD7	16	07.8095	09.1CGD11	19F1A2162099F1B21633
078308629A1926	204/83	2041923204/1923C0101204/1904204/191122	07.3050	55.5CGD3	20	57.1074	06.2CGD7	99F1A2266411F1A22214
078308629A1434	204/83	2041432204/1432S0110204/1402204/140220	48.1074	15.5CGD7	29	16.1112	31.0CGD11	05F1A2221404F1A22593
078308629A2243	201/83	2012244201/2108C0101201/2050201/210220	39.5074	09.7CGD7	19	41.1093	27.4CGD8	07F1A2173399F1B21831
078308629A0112	202/83	2020113202/0113S0101202/0037202/005618	26.6084	32.5CGD7	20	42.0074	24.7CGD7	99F1A2186315F1A21733
078308629A0355	202/83	2020356202/0319C0201202/0226202/024620	35.9074	08.0CGD7	19	54.6087	32.6CGD7	11F1A2173399F1B21888
078308629A2316	202/83	2022315202/2315S0110202/2237202/223720	25.4073	51.8CGD7	30	48.0026	31.70THER	21F1A2204699F1B22091
078308629A2244	202/83	2022242202/2242C0110202/2125202/212521	03.1073	59.0CGD7	19	15.1114	15.6CGD11	26F1A2197899F1B22081
078308629A0036	203/83	2030036203/0035S0101203/0016203/003220	51.8074	16.9CGD7	20	50.3074	19.9CGD7	07F1A2197804F1A21978
078308629		2030310203/0310C0201203/0254203/030820	44.3074	23.6CGD7	19	18.6104	37.50THER	03F1A2197899F1B22153
078308629A0606	203/83	2030131203/0130C0201203/0109203/011321	51.4052	29.2CGD3	20	45.8074	19.4CGD7	99F1A2212401F1A21978
078308629A1302	203/83	2031259203/1256S0101203/1244203/125020	52.8074	35.4CGD7	20	38.2073	30.3CGD7	15F1A2221499F1B22296
078308629A1331	203/83	2031330203/1329S0101203/1244203/130320	48.0073	59.7CGD7	21	00.5074	56.6CGD7	17F1A2221499F1B22310
078308629A1650	203/83	2031648203/1515C0201203/1428203/144920	54.5074	16.9CGD7	21	23.6083	18.6CGD7	01F1A2221499F1B22342
078308629A2050	203/83	2032048203/2047C0101203/2015203/202320	54.9074	10.3CGD7	20	27.5082	42.9CGD7	07F1A2221499F1B22410
078308629A0033	204/83	2040030204/0030S0101203/2355204/001123	13.0064	08.1CGD7	20	59.6074	09.9CGD7	99F1A2245509F1A22214
078308629A0150	204/83	2040149204/0148C0201204/0137204/014421	07.2070	24.4CGD7	20	55.3074	07.1CGD7	99F1A2246510F1A22214
078308629A1003	204/83	2041002204/1001C0102204/0938204/095420	55.6074	25.5CGD7	22	51.5115	43.8CGD11	07F1A2221499F1B22548
078308629A0822	204/83	2040820204/0819C0101204/0752204/080821	00.4074	06.3CGD7	20	24.2062	32.9CGD7	12F1A2221499F1B22531
078309098A2038	214/83	2142036214/2014C0110214/1937214/193725	45.9096	53.9CGD8	26	43.0080	02.1CGD7	99F1A2562599F1B25626
078309098A0250	215/83	2150248215/0248C0204215/0133215/014726	37.3080	05.1CGD7	25	25.3101	21.9MEXICO	06F1B2562699F1B25711
078309098A0036	215/83	2150032215/0032S0110214/2320214/232026	41.1080	25.0CGD7	34	31.3043	49.1CGD3	20F1B2562623F1A225678
078309609A1513	231/83	2311511231/1510S0102231/1420231/143133	56.7113	52.5AFRCC	26	32.6079	14.2CGD7	99F2A3009799F1B230098
078309609A1747	231/83	2311743231/1741C0101231/1714231/173325	53.1079	18.4CGD7	25	35.7084	15.2CGD7	99F1A3016299F1B30163
078309609		2311833231/1833C0110231/1714231/171426	17.7079	24.4CGD7	25	59.2084	14.6CGD7	17F2B3009833F1B30163
078310347A1440	251/83	2511437251/1437S0110251/1349251/134931	30.6101	11.3AFRCC	26	22.6076	52.6CGD7	99F2A3521899F1B35219
078310347A1413	251/83	2511410251/1410S0101251/1349251/140131	59.4101	25.7AFRCC	26	37.1076	16.9CGD7	99F1A3520899F1B35209
078310347A1513	251/83	2511511251/1511C0101251/1450251/150626	12.6083	35.3CGD7	26	36.4076	43.7CGD7	12F1B3522817F2B35219
078310347A1510	251/83	2511509251/1508C0110251/1450251/145026	42.2076	35.6CGD7	26	16.9083	48.5CGD7	17F1B3520999F1B35228
078310347A1500	251/83	2511458251/1444S0110251/1349251/134927	03.6076	01.4CGD7	32	34.7101	39.6AFRCC	99F2A3522299F1B35223
078310393A1428	252/83	2521427252/1427S0101252/1329252/133724	41.9081	46.1CGD7	25	54.0087	20.2CGD8	99F1A3549999F1B35500
078310393A0434	253/83	2530432253/0432C0101253/0305253/032524	12.0077	48.1CGD7	24	27.8082	08.6CGD7	99F1A352025F1A35499
078310393A0124	253/83	2530123253/0123S0101253/0041253/005624	23.1081	56.5CGD7	24	46.9080	05.8CGD7	21F1A3549999F1B35665
078310393A2127	252/83	2522125252/2124C0201252/2047252/210423	57.1086	48.2CGD8	24	15.7081	45.2CGD7	99F1A3559625F1A35499
078310393A1616	252/83	2521614252/1614C0101252/1526252/153823	19.7099	04.6MEXICO	24	19.5081	39.6CGD7	99F1A3554022F1A35499
078310393A1501	252/83	2521500252/1459C0110252/1340252/134024	36.5081	48.3CGD7	26	27.9045	50.1CGD3	05F1A3549999F1B35520
078310469A0056	254/83	2540057254/0057S0101254/0020254/003625	58.7080	04.0CGD7	27	40.3072	17.4CGD7	99F1A3601799F1B36018
078310469A1951	254/83	2541950254/1950S0110254/1424254/142426	25.7080	06.9CGD7	33	59.5115	15.6AFRCC	09F2B3606215F1B36347
078310469A1046	254/83	2541045254/1045C0201254/0852254/090926	40.0079	57.9CGD7	26	52.2083	12.8CGD7	14F2B3608299F1B36208
078310469A0533	254/83	2540532254/0531C0101254/0341254/040326	07.7080	06.5CGD7	27	20.8100	56.1MEXICO	09F1A3601799F1B36109
078310469A0432	254/83	2540429254/0428S0101254/0200254/023317	08.7120	15.7CGD11	26	05.2080	04.6CGD7	16F2A3608105F1A36017
078310469A0332	254/83	2540331254/0329C0110254/0155254/015526	18.1080	16.6CGD7	24	31.1048	14.7CGD3	22F1A3601799F1B36069
078310479A2053	255/83	2552052255/2052C0201255/2027255/204024	23.2088	27.8CGD8	24	50.7080	33.3CGD7	99F1A3663999F1B36640
078310479A0435	256/83	2560432256/0432C0110256/0305256/030525	34.7089	20.3CGD8	25	04.8080	41.1CGD7	99F1A3676715F1B36640
078310479A0017	256/83	2560015256/0014S0101255/2337255/235125	03.9080	29.2CGD7	31	25.1050	47.4CGD3	13F1B3664099F1B36699
078310479A0219	256/83	2560218256/0218S0110256/0117256/011721	07.7079	42.2MEXICO	25	10.6080	28.0CGD7	99F1A3672620F1B36640
078310499A1432	256/83	2561431256/1431C0110256/1415256/141525	13.7079	47.3CGD7	25	10.5079	42.4CGD7	99F1A3683005F1B36830
078310781A0216	268/83	2680214268/0214S0110268/0019268/001928	04.3071	32.6CGD7	26	16.0080	03.9CGD7	99F2A3954899F1B39549
078310781A0756	269/83	2690753269/0753C0210269/0714269/071429	50.4093	23.4CGD5	28	32.5071	48.7CGD7	09F1B3976499F1B39818
078310781A0210	268/83	2680208268/0208S0110268/0019268/001927	39.5071	27.5CGD7	25	50.7079	59.4AFRCC	99F2A3954715F1A39303
078310781A0203	268/83	2680201268/0201S0110268/0019268/001927	57.1071	25.3CGD7	26	06.2080	06.9AFRCC	99F2A3954418F1A39503
078310781A0154	268/83	2680152268/0152S0110268/0019268/001926	04.1080	10.1AFRCC	27	36.4071	21.5CGD7	16F1A3950399F1B39543
078310781A0151	268/83	2680149268/0149S0110268/0019268/001926	02.5080	30.5AFRCC	28	06.1071	02.5CGD7	19F1A3950399F1B39542
078310781A0145	268/83	2680142268/0142S0110268/0019268/001926	09.4080	21.0AFRCC	28	06.2071	11.8CGD7	20F1A3950399F1B39541
078310781A0125	268/83	2680123268/0123S0110268/0019268/001926	03.1080	13.4AFRCC	27	57.7071	15.2CGD7	14F1A3950399F1B39539
078310781A0128	268/83	2680126268/0126S0110268/0019268/001927	56.4071	20.1CGD7	26	03.2080	11.2AFRCC	99F2A3954014F1A33503
078310781A0058	268/83	2680056268/0056S0101268/0019268/003726	03.1080	09.1AFRCC	27	55.2071	20.5CGD7	15F1A3950399F1B39534

078310802A0733	271/83	2710731271/0731C0210271/0624271/062424	57.3069	54.9CGD7	25	25.5078	11.4CGD7	99F1A4031699F1B40317
078310802A1054	271/83	2711051271/1050C0110271/1041271/104127	00.9025	19.60THER	24	35.0077	19.5CGD7	99F1A4034099F1B40341
078310802A1505	271/83	2711504271/1503S0110271/1319271/131925	47.4077	56.6CGD8	27	27.2085	37.2CGD8	99F2A4041999F2B40420
078310802A1528	271/83	2711526271/1526S0110271/1319271/131927	06.5085	06.3CGD8	25	40.9078	36.8CGD7	99F2A4042799F2B40428
078310802A1743	271/83	2711741271/1741C0201271/1730271/173725	33.1078	16.5CGD7	26	44.5057	33.0CGD3	99F1A40446299F1B40463
078310802A0123	272/83	2720110272/0109S0101272/0032272/004925	36.6077	50.0CGD7	25	11.8079	45.5CGD7	99F2A4049499F2B40495
078310802A0145	272/83	2720142272/0141S0110272/0032272/003225	16.0078	24.8CGD7	25	30.4078	17.4CGD7	99F2A4050999F2B40510
078310802A0157	272/83	2720150272/0150S0110272/0032272/003225	13.0079	38.4CGD7	25	33.6078	03.8CGD7	99F2A4051399F2B40514
078310802A0327	272/83	2720326272/0326C0110272/0153272/015325	36.0078	01.8CGD7	27	19.3110	48.7CGD11	99F1A4053699F1B40537
078310802A0809	272/83	2720808272/0808C0210272/0653272/065325	24.0078	14.0CGD7	25	56.0087	33.0CGD8	16F1A4053999F1B40573
078310802A0137	272/83	2720133272/0133S0110272/0032272/003225	16.0078	43.0CGD7	25	15.3078	44.4CGD7	99F1A4050601F1A40506
078310802A1500	271/83	2711458271/1458S0110271/1319271/131924	51.6076	59.2CGD7	27	02.1086	58.4CGD8	25F1B4034199F2B40416
08830006A0345	275/83	2750346275/0345S0110275/0109275/010931	06.9083	05.1AFRCC	28	35.3094	48.7CGD8	99F2A4131899F2B41319
08830006A0323	060/83	0600319060/0319C0101060/0259060/031430	08.1085	42.6CGD8	32	32.5126	52.6CGD12	07F1A0232899F1B02338
08830006A0141	060/83	0600138060/0137C0101060/0113060/013030	09.2085	51.4CGD8	29	21.0072	57.1CGD7	99F1A0232899F1B02329
088300071D03:12:03:36:52		071/0143C0104071/0036071/005229	24.2094	38.5CGD8	28	44.2083	39.9CGD7	09F1A0347199F1B03522
088300071A1149	270/83	0701132070/1131C0101070/1108070/111929	19.3094	46.0CGD8	31	43.9052	01.6CGD3	09F1B0327799F1B03456
088300071A1510	260/83	0691507069/1445C0101069/1404069/141429	15.2094	38.3CGD8	27	02.8136	53.2CGD12	18F1B0327799F1B03317
088300071A1313	270/83	0701311070/1310C0104070/1254070/130129	16.5094	44.5CGD8	28	37.4105	52.1MEXICO	99F1A0347199F1B03472
088300071A0034	270/83	0700032070/0032C0104070/0001070/002027	12.7063	29.0CGD3	28	53.8094	26.6CGD8	99F1A0337199F1B03372
088300071A1245	269/83	0691243069/1242C0102069/1219069/122629	55.2085	06.3AFRCC	29	18.9094	55.8CGD8	99F1A0327699F1B03277
088300073D03:08:13:56:44		067/1309C0102067/1255067/130328	54.3091	09.3CGD8	28	24.4099	29.6AFRCC	03F1A0294599F1B03039
088300073D03:08:11:41:46		067/1124C0101067/1108067/111928	50.9091	09.4CGD8	31	25.3045	16.2CGD3	05F1A0294599F1B03022
088300073D03:08:02:52:01		067/0026C0101067/0001067/002128	50.0091	17.0CGD8	26	50.0056	47.0CGD3	12F1A0281499F1B02928
088300073D03:08:03:17:20		067/0211C0101067/0147067/020328	55.8091	06.4CGD8	30	04.6108	53.1MEXICO	99F1A0294512F1B02941
088300073D03:08:03:14:34		067/0203C0102067/0147067/020028	53.5091	06.2CGD8	29	59.0109	04.8MEXICO	02F1A0281499F1B02941
088300079A0000	087/83	0862358086/2357C0102086/2324086/234030	10.2105	00.3MEXICO	29	18.4091	47.5CGD8	99F1A0514499F1B05145
088300079A2356	086/83	0862354086/2354C0102086/2324086/233930	32.9104	36.5AFRCC	29	43.3092	04.2CGD8	99F1A0514299F1B05143
088300079A2337	085/83	0852335085/2335C0101085/2249085/231429	25.7092	02.8CGD8	28	53.3083	44.7CGD7	99F1A0502399F1B05024
088300079A1107	087/83	0871105087/1104C0101087/1031087/104829	44.3095	18.4AFRCC	29	16.5092	12.7CGD8	99F1A05190249F1B05145
088300079A1124	087/83	0871123087/1122C0110001/0000087/103129	19.4092	19.7CGD8	29	08.5095	14.7AFRCC	99F1A0519405F1A05190
088300079A1047	087/83	0871046087/1045C0102087/1031087/104029	33.7095	16.8AFRCC	29	44.2092	29.1CGD8	99F1A0518224F1B05143
088300079A2308	086/83	0862307086/2208C0101086/2138086/215929	32.3091	59.2CGD8	27	14.8053	02.3CGD3	07F1A0502399F1B05123
088300079D03:27:11:35:50		086/1122C0110001/0000086/095630	14.2074	19.3CGD7	29	09.6092	01.6CGD8	99F1A0509515F1A05023
088300080D03:17:18:17:39		076/1308C0101076/1253076/130330	34.9088	05.0AFRCC	28	07.2131	41.6CGD12	09F1A0420199F1B04257
088300080D03:17:18:12:34		076/1131C0101076/1107076/112730	36.8088	00.2AFRCC	31	06.4080	17.5CGD7	99F1A0420199F1B04250
088300089A1055	087/83	0871058087/1057C0101087/1031087/104329	53.4086	05.5CGD8	28	57.6101	18.9MEXICO	05F1A0513699F1B05189
088300089A0924	087/83	0870922087/0922C0110001/0000087/084529	55.6086	09.7CGD8	32	07.0047	45.2CGD3	07F1A0513699F1B05172
088300089A0930	087/83	0870929087/0928C0110001/0000087/084630	08.6048	30.0CGD3	28	06.0085	12.2CGD8	99F1A0517515F1B05096
088300089A2341	086/83	0862340086/2339C0102086/2324086/233729	57.7086	02.5CGD8	31	31.0111	01.5AFRCC	99F1A0513699F1B05137
088300089A1057	087/83	0871056087/1056C0102087/1032087/104327	26.2101	10.0MEXICO	28	19.4086	09.5CGD8	99F1A0518799F1B05188
088300106A2158	103/83	1032156103/2155C0102103/2101103/212328	51.6091	14.3CGD8	28	50.1091	42.0CGD8	99F1A0730499F1B07305
088300106A2236	102/83	1022235102/2105C0101102/2026102/205828	45.3091	07.6CGD8	27	36.1071	58.0CGD7	99F1A0716099F1B07161
088300106A0940	103/83	1030938103/0937C0101103/0919103/093029	07.4090	30.3CGD8	27	41.3115	10.6CGD11	99F1A0720999F1B07210
088300106A0650	103/83	1030646102/2244C0102102/2212102/222828	47.8090	56.8CGD8	30	53.4125	24.0CGD11	09F1A0716099F1B07180
088300106A0931	103/83	1030929103/0929C0102103/0919103/092728	47.8090	56.8CGD8	27	25.1114	40.3CGD11	99F1A0716099F1B07207
088300106A2137	103/83	1032135103/2135C0102103/2101103/211628	47.7090	40.1CGD8	28	54.7092	33.1CGD8	20F1A0720999F1B07291
088300177A0928	273/83	2730928273/0928C0210273/0722273/072229	44.0093	55.7CGD8	29	25.4088	50.6CGD8	99F1A4078699F1B40787
088300177A1956	272/83	2721956272/1956C0202272/1943272/195229	45.5093	48.0CGD8	28	37.2112	52.9CGD11	99F1A4069099F1B40691
088300177A0100	273/83	2730059273/0058S0110273/0013273/001329	47.0093	55.1CGD8	37	27.4057	28.1CGD3	05F1A4069099F1B40721
088300177A1258	273/83	2731259273/1258S0110273/1235273/123519	44.5049	10.7CGD3	29	28.1093	36.6CGD8	99F1A4082223F1A40786
088300226A2316	076/83	0762314076/2314C0101076/2250076/231029	06.0089	06.2CGD8	27	17.5037	16.8CGD3	99F1A40828899F1B04289
088300226D03:18:12:08:36		077/1155C0101077/1143077/115328	58.7089	10.1CGD8	28	19.9099	44.7AFRCC	07F1A40828899F1B04339
088300226D03:18:11:31:47		077/1014C0101077/0957077/100828	56.5089	14.2CGD8	31	23.4045	46.9CGD3	11F1A40828899F1B04332
088300226A0058	077/83	0770055077/0053C0101077/0035077/005229	06.1089	08.9CGD8	30	20.8109	33.9MEXICO	02F1A40828899F1B04300
088300246R25-DEC-83	04:30 PM	359/2220C0201359/2146359/220329	29.8099	08.1CGD8	29	56.9100	01.3AFRCC	99F1A5720508F1B57319
088300246R25-DEC-83	02:38 PM	359/2030C0201359/2001359/201829	27.9093	08.5CGD8	27	06.7048	56.9CGD3	19F1A5720599F1B57294
088300246R25-DEC-83	07:48 AM	359/1340S0110359/1322359/132229	49.6093	18.6CGD8	24	59.2070	55.2CGD7	14F1A5720510F1B57221
088300246R25-DEC-83	04:52 AM	359/1015C0210359/1007359/100729	38.0093	28.6CGD8	27	57.1123	44.1CGD11	99F1A5720512F1B57204
088300246R25-DEC-83	09:42 AM	359/1507S0104359/1502359/150629	39.4093	15.2CGD8	35	07.3119	55.2AFRCC	12F1A5720599F1B57245
088300246R25-DEC-83	10:09 AM	359/1556C0102359/1543359/155429	26.7089	44.2AFRCC	29	41.8093	49.6CGD8	99F1A5725918F1A57205
088300401A1825	191/83	1911823191/1809C0201191/1735191/175330	59.8119	17.2CGD11	29	03.3088	55.4CGD8	02F1A1948499F1B19491
088300401A0433	191/83	1910430191/0430C0201191/0411191/042529	16.0088	43.6CGD8	29	09.7090	22.4CGD8	26F1A1931699F1B19352
088300401A0001	191/83	1902359190/2359C0101190/2310190/233128	59.4088	20.4CGD8	27	29.0113	31.00THER	99F1A1931699F1B19317
088300420A1048	206/83	2061046206/1046C0110206/0904206/090428	39.9089	56.7CGD8	28	31.5087	38.4CGD8	99F1A2312499F1B23125
088300420A0315	206/83	2060309206/0309C0210206/0232206/023228	36.3091	20.3CGD8	28	42.2089	42.4CGD8	99F1A2308299F1B23083

088300420A0606	205/83	2050604205/0603C0202205/0348205/040728	47.6090	14.3CGD8	26	53.2124	45.0CGD11	99F1A2283299F1B22833
088300420A0318	206/83	2060316206/0316C0210206/0232206/023228	39.1090	27.7CGD8	28	38.9090	37.8CGD8	15F1A2283222F1A22832
088300420A2221	205/83	2052219205/2218C0102205/2123205/213728	43.0090	15.7CGD8	27	36.5109	28.1MEXIC0	04F1A2283299F1B23006
088300420A2112	205/83	2052110205/2110C0110205/1937205/193730	25.6056	22.1CGD3	28	29.6090	04.5CGD8	26F1B2299519F1A22832
088300420A1619	205/83	2051615205/1601C0201205/1527205/154728	40.3090	02.2CGD8	29	24.5101	59.1MEXIC0	12F1A2283299F1B22939
088300420A1416	205/83	2051412205/1411S0101205/1340205/135027	14.9083	59.6CGD7	28	34.6090	10.0CGD8	99F1A2291312F1A22832
088300420A1012	205/83	2051010205/1009C0110205/0829205/082928	37.1090	16.1CGD8	27	18.8066	46.8CGD3	10F1A2283299F1B22860
088300450A0208	061/83	0610205061/0204C0101061/0147061/020429	18.1088	55.8CGD8	29	25.0090	40.5AFRCC	99F1A0240399F1B02404
088300450A0214	061/83	0610211061/0210C0101061/0148061/020729	46.8091	20.0AFRCC	29	35.2088	17.8CGD8	99F1A0240899F1B02409
088300450A1423	061/83	0611419061/1316C0101061/1255061/131229	39.5081	48.2AFRCC	29	13.3088	36.9CGD8	99F1A0243619F1A02403
088300455A1213	065/83	0651211065/1210C0101065/1144065/120530	12.3051	16.8CGD3	27	40.7095	59.6CGD8	99F1A0273099F1B02731
088300474A0800	232/83	2320758232/0757C0101232/0455232/051730	15.8086	36.9CGD8	28	31.7055	33.2CGD3	99F1A3033299F1B30333
088300474A1446	232/83	2321444232/1443S0101232/1358232/140930	25.2086	32.7CGD8	32	10.9095	00.0AFRCC	09F1A3033299F1B30430
088300474A1329	232/83	2321327232/1326C0202232/1229232/125031	44.2108	43.5AFRCC	30	25.0086	27.8CGD8	99F1A3041511F1A30332
088300474A1047	232/83	2321037232/1036C0110232/0641232/064131	40.4107	48.3MEXIC0	30	23.8086	35.1CGD8	99F1A3035708F1A30332
088300474A1302	232/83	2321300232/1259S0110232/1218232/121821	46.4047	29.7CGD3	30	15.4086	18.2CGD8	99F1A3041016F1A30332
088300475A1755	233/83	2331748233/1748C0101233/1637233/164829	40.8089	05.6CGD8	31	11.1063	44.8CGD3	99F1A3073399F1B30734
088300485A2049	149/83	1492046149/2046C0201149/2027149/204226	58.7059	55.4CGD3	28	44.0090	48.7CGD8	99F1A1203799F1B12038
088300588A2026	107/83	1072024107/2024C0101107/1950107/201528	27.1089	13.4CGD8	27	29.9073	03.6CGD7	11F1A0772099F1B07773
118300054A1140	158/83	1581139158/0948C0201158/0932158/094234	09.3110	32.7AFRCC	33	37.4118	03.6CGD11	99F1A1337499F1B13375
118300054A0340	159/83	1590339159/0338C0101159/0318159/033033	39.3117	50.5CGD11	34	48.9101	15.0AFRCC	10F1B1337599F1B13457
118300105A0500	063/83	0630459063/0458C0102063/0445063/045833	48.1118	19.5CGD11	36	14.8156	38.1CGD4	99F1A0259899F1B02599
118300105A1419	063/83	0631417063/1417C0101063/1403063/141535	12.9094	52.1AFRCC	33	35.6118	17.7CGD11	02F1A0262711F1A02598
118300105A1640	063/83	0631637063/1636C0103063/1549063/155333	32.2118	20.5CGD11	31	48.4147	27.1CGD14	15F1A0259899F1B02633
118300105A0412	064/83	0640410064/0347C0101064/0334064/034734	11.9123	48.7CGD12	33	49.3118	03.8CGD11	99F1A0270215F1A02598
118300168A0737	298/83	2980736298/0736C0210298/0512298/051231	51.7118	21.6CGD11	29	56.0085	25.7AFRCC	99F1A4585499F1B45855
118300168A0806	298/83	2980806298/0805C0203298/0657298/071933	24.5137	16.2CGD12	32	11.4118	15.3CGD11	99F1A4586419F1A45854
118300168A1249	298/83	2981249298/1248C0102298/1221298/123631	05.1130	31.2CGD12	31	53.3118	01.0CGD11	99F1A4589017F1A45854
118300168A1716	298/83	2981716298/1716S0103298/1608298/170231	30.4118	09.8CGD11	38	29.4151	22.4CGD14	24F1A4543499F1B45958
118300206A0137	173/83	1730133173/0131C0102173/0056173/010733	06.6117	27.5CGD11	35	34.1076	58.4AFRCC	99F1A1580999F1B15810
118300206A1126	173/83	1731121173/1120C0203173/0938173/090433	13.7117	27.1CGD11	30	39.4163	55.8CGD14	07F1A1580999F1B15902
118300206A0824	173/83	1730820173/0819C0201173/0753173/080233	09.4117	20.6CGD11	33	27.7113	01.3AFRCC	05F1A1580999F1B15894
118300206A0313	173/83	1730309173/0308C0101173/0242173/024632	06.6130	59.9CGD12	32	58.5117	22.5CGD11	99F1A1583508F1A15809
118300206		1730636173/0636C0202173/0607173/061536	39.8057	52.7CGD3	33	10.1117	29.7CGD11	99F1A1585803F1A15809
118300248		2621009262/1009C0210262/0911262/091132	01.9117	25.9CGD11	29	59.7082	11.7AFRCC	99F1A3840499F1B38405
118300248A1512	262/83	2621511262/1511S0102262/1453262/150231	44.7116	57.7CGD11	26	32.6082	50.6CGD8	99F1A3848899F1B38489
118300248A1649	262/83	2621648262/1648S0102262/1633262/164735	47.3140	48.1CGD12	30	52.3117	17.1CGD11	99F2A3853299F1B38533
118300248A1120	262/83	2621118262/1118C0202262/1056262/111532	08.6117	31.8CGD11	33	12.1133	55.8CGD12	08F1A3840499F1B38418
118300248A1618	262/83	2621618262/1618C0102262/1557262/160831	27.9116	20.90THER	31	25.5116	58.1CGD11	99F1A3851618F1A38488
118300248A1644	262/83	2621643262/1643S0102262/1633262/164231	20.5116	47.8CGD11	36	16.4140	57.4CGD12	25F1A3848899F1B38530
118300248A1647	262/83	2621646262/1646S0102262/1633262/164431	17.6116	50.9CGD11	34	15.0140	53.4CGD12	99F2A3853103F1B38530
118300376A1144	210/83	2101143210/1142C0102210/1126210/114032	52.2118	27.0CGD11	34	29.9142	35.6CGD12	99F1A2432599F1B24326
128300049A1612	319/83	3191611319/1610S0101319/1604319/160837	16.4117	36.9AFRCC	38	22.6123	00.3CGD12	99F1A4934603F1B49208
128300049A1546	319/83	3191545319/1545C0203319/1539319/154438	24.0123	03.0CGD12	38	08.7126	35.5CGD12	05F1B4920899F1B49340
128300049A1454	319/83	3191449319/0903C0101319/0845319/090140	42.0091	44.5AFRCC	38	25.0122	31.8CGD12	99F1A4929821F1B49208
128300049A1442	319/83	3191439319/0457C0202319/0440319/045238	19.3122	59.9CGD12	39	09.9133	47.2CGD12	01F1B4920899F1B49274
128300049A1440	319/83	3191438319/0447S0102319/0430319/035638	17.9123	00.0CGD12	35	40.8135	41.8CGD12	02F1B4920899F1B49272
128300049A1457	319/83	3191451319/1038C0103319/1031319/103738	23.1123	01.0CGD12	36	55.2144	21.1CGD12	03F1B4920899F1B49301
128300065A0102	148/83	1480103148/0102C0202148/0048148/010036	58.4121	50.0CGD12	39	00.3149	36.1CGD14	99F1A1173599F1B11736
128300065A0554	148/83	1480554148/0554C0102148/0542148/055236	10.3131	27.5CGD12	36	55.0121	40.3CGD12	99F1A1175808F1A11735
128300065A1029	148/83	1481030148/1029C0202148/1002148/101539	37.1088	23.2AFRCC	37	00.4121	33.3CGD12	99F1A1177913F1A11735
128300065A1319	148/83	1481320148/1319C0202148/1148148/115936	55.2121	47.8CGD12	35	31.7140	45.4CGD12	03F1A1173599F1B11783
128300076A1310	335/83	3351310335/1310C0201335/1244335/124430	18.0131	19.8CGD12	32	55.1082	13.3AFRCC	99F1A5265299F1B52653
128300076A0415	335/83	3350415335/0415S0102335/0259335/033736	41.2107	11.5AFRCC	32	36.8127	04.0CGD12	99F2A5254699F1B52547
128300076A0412	335/83	3350411335/0411S0102335/0259335/033437	10.1103	24.8AFRCC	31	34.0130	51.7CGD12	99F2A5254299F1B52543
128300076		3350242335/0242C0201335/0142335/014232	29.9130	19.6CGD12	30	27.8095	00.7AFRCC	99F1A5251299F1B52513
128300076A1743	335/83	3351740335/1740S0102335/1702335/172030	14.0130	20.8CGD12	32	37.1141	58.4CGD12	99F2A5272224F1B52711
128300076A1730	335/83	3351729335/1729S0103335/1702335/171032	22.4141	38.7CGD12	30	06.7130	57.0CGD12	02F1B5271119F1B52659
128300076A1723	335/83	3351721335/1721S0102335/1702335/171030	04.6131	15.8CGD12	32	10.7141	07.8CGD12	13F1A5265299F1B52716
128300076A1711	335/83	3351710335/1710S0103335/1702335/170530	05.8131	02.8CGD12	32	20.2141	37.4CGD12	18F1A5265299F1B52711
128300076A1535	335/83	3351534335/1533S0101335/1521335/152730	09.0131	11.5CGD12	21	51.6093	27.3CGD8	11F1A5265299F1B52696
128300076A1445	335/83	3351444335/1444C0202335/1430335/144130	05.0131	13.7CGD12	29	50.1135	45.1CGD12	14F1A5265299F1B52688
128300076A1443	335/83	3351442335/1442C0202335/1430335/143730	10.6130	48.4CGD12	29	48.0136	48.9CGD12	23F1B5265999F1B52687
128300076A1333	335/83	3351330335/1330C0201335/1245335/130432	30.7082	22.3AFRCC	29	47.7130	53.4CGD12	25F1B5265399F1B52659
128300076A0314	335/83	3350313335/0313S0101335/0259335/030930	35.4131	34.8CGD12	36	45.4102	12.8AFRCC	99F1A5251821F1A52495
128300101A1738	150/83	1501739150/1739C0110001/0000150/165034	54.7123	16.8CGD12	33	07.7094	38.4AFRCC	99F1A1217999F1B12180

128300101A1850	150/83	1501851150/1850C0102150/1836150/184934	39.3123	02.6CGD12	36	22.8147	38.7CGD14	19F1A1217999F1B12192
128300101A1855	150/83	1501857150/1856C0103150/1836150/185334	54.7123	40.4CGD12	36	25.6146	33.9CGD14	18F1A1217999F1B12193
128300101A1858	150/83	1501859150/1859C0103150/1836150/185334	54.5123	09.6CGD12	36	29.9147	08.5CGD14	05F1A1217999F1B12194
128300125A0504	051/83	0510504051/0503C0101051/0446051/045936	11.2110	44.1AFRCC	37	01.1121	58.5CGD12	99F1A0162299F1B01623
128300125A0539	052/83	0520538052/0538C0101052/0522052/053437	43.3131	36.2CGD12	37	01.9121	56.7CGD12	99F1A0167199F1B01672
128300125A1558	051/83	0511557051/1557C0103051/1549051/155336	59.8122	25.2CGD12	38	15.3104	14.0AFRCC	25F1B0162399F1B01644
128300125A1459	052/83	0521458052/1458C0101052/1438052/145740	22.8069	49.0TSC	36	51.6122	38.0CGD12	21F1A0150899F1B01714
128300125A1815	052/83	0521813052/1635C0103052/1625052/163036	56.6121	59.5CGD12	36	41.7125	33.6CGD12	05F1B0167299F1B01720
128300125A0505	053/83	0530502053/0448C0101053/0411053/042735	28.8100	13.0AFRCC	37	03.0121	56.8CGD12	99F1A0175800F1B01672
128300131A0502	057/83	0570501057/0501C0101057/0446057/045637	32.6122	24.2CGD12	38	05.8130	12.8CGD12	05F1A0211199F1B02149
128300131A0501	057/83	0570500057/0500C0101057/0446057/045637	32.6122	24.2CGD12	38	05.8130	12.8CGD12	05F1A0211199F1B02149
128300131A0328	057/83	0570324057/0323C0101057/0301057/031737	32.0122	30.3CGD12	34	39.7079	22.5AFRCC	99F1A0211199F1B02112
128300131A0329	057/83	0570326057/0325C0101057/0301057/031737	32.0122	30.3CGD12	34	39.7079	22.5AFRCC	99F1A0211199F1B02112
128300182A0511	196/83	1960508196/0507C0210196/0443196/044342	45.5083	46.4AFRCC	39	31.3131	37.5CGD12	99F1A2061799F1B20618
128300208A1003	227/83	2271003227/1003C0101227/0904227/091537	54.0122	24.4CGD12	38	01.3124	02.4CGD12	99F1A2878799F1B28788
128300208A1550	227/83	2271550227/1549C0202227/1524227/153737	55.5122	21.4CGD12	39	15.1140	59.3CGD12	03F1A2878799F1B28882
128300208A1010	227/83	2271010227/1010C0102227/0904227/091837	53.1123	03.4CGD12	37	52.2122	25.7CGD12	99F1A2879202F1A28787
128300208A2037	227/83	2272037227/2037C0101227/2006227/201538	13.5118	15.6AFRCC	37	54.9122	21.6CGD12	99F1A2893701F1A28787
128300216A1814	235/83	2351811235/1810S0102235/1613235/162837	24.7121	58.0AFRCC	37	54.1124	23.5CGD12	99F2A3141099F2B31411
128300328A0457	268/83	2680456268/0456S0102268/0345268/035639	10.8135	43.2CGD12	41	18.4125	04.8CGD12	99F1A3960699F1B39607
128300328A0754	268/83	2680752268/0752C0102268/0453268/050542	14.7134	35.4CGD13	41	32.2125	29.3CGD12	99F1A3962122F1B39607
138303156B082/00:40Z		082/0034C0102082/0004082/002044	42.5124	00.8CGD13	41	01.3073	00.3CGD3	99F1A0465899F1B04659
138303156B082/02:18Z		082/0201C0101082/0149082/015944	54.4124	11.6CGD13	44	50.0123	12.8AFRCC	15F1A0465899F1B04664
138303156B082/02:48Z		082/0212C0102082/0149082/020344	53.3124	55.2CGD13	44	45.3123	13.8AFRCC	99F1A0466804F1B04664
138303156B082/04:02Z		082/0354C0103082/0336082/035244	52.1124	09.3CGD13	48	47.7177	38.8CGD17A	11F1A0465899F1B04673
138304003B086/17:55Z		086/1350C0102086/1322086/134045	11.5132	24.7CGD13	44	14.7143	28.6CGD13	99F1A0511099F1B05111
138304003B088/16:51Z		088/1608C0102088/0148088/020142	02.7146	26.4CGD13	40	17.6122	15.9AFRCC	99F1A0524999F1B05250
138304003B090/00:25Z		090/0020C0110001/0000089/232841	18.4079	27.3AFRCC	44	33.1126	19.5CGD13	99F1A0550099F1B05501
138304003B090/00:37Z		090/0025C0110001/0000089/232844	39.2126	58.9CGD13	41	31.8078	27.8AFRCC	99F1A0550299F1B05503
138304003B090/11:14Z		090/1103C0102090/1024090/110048	43.5122	55.3CGD13	52	32.0078	23.5CMCC	99F1A0556099F1B05561
138304003B092/11:58Z		092/1144C0103092/1137092/114241	43.5132	30.3CGD13	43	27.5109	45.7AFRCC	99F1A0588199F1B05882
138304003B092/12:09Z		092/1203C0103092/1137092/114743	39.6110	43.1AFRCC	41	57.6131	41.2CGD13	99F1A0588899F1B05889
138304003B090/00:02Z		089/2355C0102089/2328089/234139	01.5076	50.4OTHER	42	45.7130	19.6CGD13	02F1A0277799F1B05489
138304003B091/02:55Z		091/0051C0102091/0002091/002038	32.0089	30.3AFRCC	41	56.4138	29.8CGD13	20F1A0531599F1B05641
138304003B091/02:53Z		091/0040C0103091/0002091/001638	29.6089	40.0AFRCC	41	31.1137	33.3CGD13	10F1A0531599F1B05635
138307290B190/01:15Z		190/0048C0102190/0016190/003243	32.1124	45.3CGD13	44	31.1112	47.8AFRCC	99F1A1915999F1B19160
138307290B188/23:53Z		188/2347C0103188/2340188/234446	02.4092	13.4AFRCC	43	38.7124	20.9CGD13	99F1A1886509F1B18842
138307290B189/03:58Z		189/0349S0101189/0206189/021343	37.8124	23.5CGD13	49	52.0091	32.1CMCC	07F1B1884299F1B18919
138307290B189/04:06Z		189/0553C0202189/0453189/050643	32.6124	22.6CGD13	47	32.0073	15.8CMCC	10F1B1884299F1B18957
138307290B189/14:55Z		189/1404C0110001/0000189/131743	34.6124	22.7CGD13	42	54.3115	56.9AFRCC	09F1B1884214F1B18892
138307290B189/16:00Z		189/1534C0103189/1503189/151943	46.5124	17.0CGD13	47	13.4170	52.4CGD17A	15F1B1884203F1B19071
148300304B063/17:40Z		063/1739C0103063/1733063/173939	38.4161	19.2CGD14	39	48.2159	12.4CGD14	26F1A0260799F1B02635
148300724B260/08:25Z		260/0823C0102260/0709260/072621	07.0158	02.4CGD14	20	38.3149	17.6CGD14	99F1A3790399F1B37904
148300740B263/18:38Z		263/1832C0103263/1820263/183121	42.0164	32.4CGD14	22	54.4141	22.0CGD14	99F1A3875899F1B38759
148300756B268/23:14Z		268/2314C0202268/2306268/231121	53.1159	16.5CGD14	23	14.1133	42.7CGD11	99F1A3976199F1B39762
148300756B268/17:57Z		268/1756S0102268/1749268/175121	17.2156	07.5CGD14	18	49.2144	59.1CGD14	99F1A3972299F1B39723
148300756B268/17:54Z		268/1753S0102268/1749268/175118	01.1140	53.0CGD14	22	20.0160	11.6CGD14	99F1A3972099F1B39721
148300756B268/12:32Z		268/1215C0202268/1158268/121421	24.2146	53.6CGD14	22	04.8159	21.2CGD14	99F1A3967199F1B39672
148300764B272/08:49Z		272/0804C0102272/0522272/053920	45.3149	39.0CGD14	20	31.0145	14.8CGD14	99F1A4057199F1B40572
178300002S01 OCT 83 17 11Z		2741705274/1628C0102274/1548274/160757	08.4135	38.2CGD17J	55	55.9146	56.4CGD17K	99F1A4117499F1B41175
178300002S01 OCT 83 17 10Z		2741704274/1627C0102274/1548274/160757	08.4135	38.2CGD17J	55	55.9146	56.4CGD17K	99F1A4117499F1B41175
178300002S01 OCT 83 21 36Z		2742128274/2127C0202274/2031274/205757	06.0135	31.9CGD17J	59	04.2116	29.3CMCC	03F1A4117499F1B41240
178300002S01 OCT 83 18 14Z		2741811274/1811S0102274/1709274/172457	02.5135	23.2CGD17J	55	13.7125	19.4CMCC	09F1A4117499F1B41186
178300039S18 OCT 83 17 35Z		2911730291/1729C0103291/1655291/170757	16.5157	13.2CGD17K	52	33.6146	50.5OTHER	10F1A4462799F1B44771
178300039S18 OCT 83 16 09Z		2911552291/1534C0103291/1510291/152357	12.8157	23.0CGD17K	56	26.1164	53.3CGD17K	04F1A4462799F1B44732
178300039S18 OCT 83 14 09Z		2911402291/1402C0103291/1324291/133657	12.9157	20.7CGD17K	51	43.4111	34.1CMCC	05F1A4462799F1B44703
178300039S18 OCT 83 11 04Z		2911101291/1100C0203291/1046291/105957	12.2157	17.9CGD17K	69	05.4176	19.5CGD17K	07F1A4462799F1B44664
178300039S18 OCT 83 09 48Z		2910942291/0942C0203291/0901291/091357	14.4157	27.9CGD17K	54	18.5125	55.3CMCC	02F1A4462718F1B44643
178300039S18 OCT 83 09 48Z		2910939291/0939C0202291/0901291/090757	12.2157	26.2CGD17K	54	03.4125	38.4CMCC	02F1A4462799F1B44643
178300131S25 NOV 83 23 14Z		3292310329/2309C0102329/2258329/230656	36.4132	13.6CGD17J	58	39.1153	01.5CGD17K	99F1A5182699F1B51827
178300131S		3300101330/0101C0103330/0045330/005956	35.6132	11.6CGD17J	63	24.1148	28.10THER	01F1A5182699F1B51839
178300131S		3300223330/0222S0103330/0134330/014556	45.0132	04.2CGD17J	66	27.3077	07.6CMCC	10F1A5182699F1B51853
178300131S26 NOV 83 03 12Z		3300311330/0310C0201330/0257330/030854	03.6102	43.5CMCC	56	52.1131	57.7CGD17J	99F1A5186318F1A51826
178300131S26 NOV 83 03 33Z		3300328330/0328S0102330/0314330/032456	37.3132	24.9CGD17J	57	59.1124	49.7CMCC	05F1A5182699F1B51872
178300187S24 DEC 83 00 54Z		3580043358/0041C0203358/0027358/003958	43.1157	32.0CGD17K	53	49.6101	03.9CMCC	99F1A5633399F1B56334
178300187S24 DEC 83 13 21Z		3581313358/1313C0202358/1300358/131458	36.6158	14.7CGD17K	57	41.1157	44.7CGD17K	99F1A5699399F1B56994

178300187				3580227358/0226C0203358/0212358/022557	56.7143	37.4CGD17K	58	49.1157	29.0CGD17K	99F1A5689705F1A55883	
178300187S24	DEC	83	03	28Z	3580324358/0324S0103358/0313358/032258	45.3157	07.4CGD17K	67	56.8104	46.1CMCC	12F1A5683399F1B56899
178300187S24	DEC	83	05	14Z	3580505358/0505S0103358/0452358/050359	49.0151	29.3AACRCC	53	47.2157	09.3CGD17K	99F1A5691612F1A55383
178300187S24	DEC	83	07	09Z	3580706358/0705C0103358/0648358/070258	47.9157	02.6AACRCC	60	00.4145	16.4CGD17K	17F1A5686999F1B56927
178300187S24	DEC	83	03	58Z	3580347358/0346C0103358/0334358/034653	49.1157	02.7AACRCC	55	03.1164	55.5CGD17A	13F1A5636999F1B56953
178300194S27	DEC	83	09	08Z	3610851361/0851C0102361/0648361/070257	52.3164	39.9CGD17K	59	44.1147	12.8CGD17K	99F1A5762999F1B57630
178300194S27	DEC	83	04	28Z	3610420361/0420S0102361/0347361/035159	49.7148	06.5CGD17K	62	57.0130	15.2CMCC	99F1A57602999F1B57603
178300194S27	DEC	83	13	28Z	3611323361/1323C0203361/1240361/125357	47.3167	52.6CGD17K	59	50.9147	52.3CGD17K	99F1A5768807F1A57602
178300194S27	DEC	83	13	25Z	3611321361/1321C0202361/1240361/125359	43.6146	52.7CGD17K	57	23.7168	53.6CGD17K	10F1B57630999F1B57687
178300194S27	DEC	83	09	14Z	3610854361/0854C0103361/0648361/070359	48.2148	08.1CGD17K	58	11.2163	41.0CGD17K	02F1A57602999F1B57633
178300194S27	DEC	83	07	59Z	3610543361/0542S0103361/0527361/053954	43.6175	13.0CGD17A	59	39.9147	45.8CGD17K	99F1A5761914F1A57602
178300194S27	DEC	83	07	50Z	3610524361/0524C0102361/0501361/052263	37.3111	37.0CMCC	59	40.7148	11.4CGD17K	99F1A5761209F1A57602
178300194S26	DEC	83	20	33Z	3602012360/2012C0103360/1958360/201060	22.6147	21.4CGD17K	60	47.9151	20.1CGD17K	10F1A57482999F1B57484
178300194S26	DEC	83	20	30Z	3602004360/2004C0102360/1958360/200260	22.5147	42.8CGD17K	60	41.6150	37.2AACRCC	99F1A5748218F1A57383
178300271					0352358035/2222C0103035/2212035/222156	21.2159	06.2CGD17K	51	59.0149	23.8OTHER	24F1B0015599F1B00156
178300271					035/2040C0102035/2027035/203955	53.2160	43.0CGD17K	56	04.8158	46.5CGD17K	99F1A0015499F1B00155
178300271S05	FEB	83	10	35Z	0360834036/0834C0102036/0825036/083256	18.1158	45.5CGD17K	52	59.4124	15.2CMCC	12F1B0015599F1B00183
178300271					0361025036/1024C0103036/1011036/102356	20.5158	44.7CGD17K	57	54.2174	24.2CGD17K	15F1B0015599F1B00188
178300271S05	FEB	83	18	14Z	0361211036/1210C0103036/1158036/120956	19.7158	51.4CGD17K	62	49.6128	06.2OTHER	15F1B0015599F1B00189
178300271S05	FEB	83	18	21Z	036/1741C0103036/1728036/173963	53.9071	05.2CMCC	56	15.2158	26.8CGD17K	99F1A0021322F1B00155
178300271S05	FEB	83	19	45Z	0361931036/1930C0103036/1916036/192856	17.4158	45.8CGD17K	59	07.9130	04.4CMCC	11F1B0015599F1B00218
178300400S29	AUG	83	15	17Z	2411511241/1505C0110241/0508241/050860	04.6025	44.8OTHER	70	24.2148	33.1CGD17A	99F1A3279699F1B32797
178300400S29	AUG	83	20	53Z	2412049241/2041S0110241/1534241/153470	14.2148	33.3CGD17A	56	34.1064	00.1CMCC	10F1B3279799F1B32906
178300400S29	AUG	83	17	25Z	2411708241/1708C0210241/1142241/114260	43.7045	16.0OTHER	70	08.1148	36.7CGD17A	99F1A3283316F1B32797
178300400S29	AUG	83	16	31Z	2411611241/1611C0110241/0652241/065262	17.8067	36.9CMCC	70	27.9148	26.8CGD17A	99F1A3281604F1B32797
178300531S27	JUN	83	11	53Z	1471150147/1150C0202147/1112147/113161	26.2116	19.4CMCC	59	00.1138	53.6CGD17J	99F1A1163399F1B11634
178300531S27	JUN	83	11	35Z	1471126147/1125C0203147/1112147/112361	11.8117	02.4CMCC	59	04.5137	56.0CGD17J	99F1A11622299F1B11623
178300531S27	JUN	83	10	48Z	1471015147/1015C0201147/0926147/095657	08.1138	35.1CGD17J	64	54.7056	51.5OTHER	99F1A1161799F1B11618
178300531S27	JUN	83	05	47Z	1470542147/0527C0101147/0457147/051859	07.9138	27.2CGD17J	62	54.0103	33.3CMCC	99F1A1159399F1B11594
178300531S27	JUN	83	14	20Z	1471409147/1409C0203147/1258147/131059	10.8138	24.8CGD17J	56	25.0166	42.1CGD17K	02F1A1159399F1B11638
178300531S27	JUN	83	14	19Z	1471406147/1405C0203147/1258147/131059	10.8138	24.8CGD17J	56	25.0166	42.1CGD17K	02F1A1159399F1B11638
178300531S27	JUN	83	09	40Z	1470934147/0934C0203147/0925147/093266	23.7058	12.4OTHER	59	13.1138	41.6CGD17J	99F1A1160508F1A11593
178300531S27	JUN	83	07	08Z	1470704147/0704C0102147/0644147/070157	19.3155	11.5CGD17K	59	04.7138	33.9CGD17J	99F1A1160004F1A11593
178300531S27	JUN	83	07	06Z	1470703147/0702C0102147/0644147/070157	19.3155	11.5CGD17K	59	04.7138	33.9CGD17J	99F1A1160004F1A11593
178300730S-4	JUL	83	14	46Z	1851446185/1445C0102185/1431185/143954	50.0125	56.2CMCC	55	21.5131	27.2CGD17J	99F1A1813602F1A18086
178300730S-4	JUL	83	13	38Z	1851337185/1335C0101185/1246185/130255	26.0131	43.6CGD17J	50	38.4077	16.3CMCC	08F1A1808699F1B18134
178300730S-4	JUL	83	06	56Z	1850656185/0655C0203185/0627185/063755	21.0131	31.0CGD17J	57	34.1107	51.2CMCC	99F1A1808699F1B18087
178300759S10	JUL	83	16	39Z	1911633191/1633C0103191/1618191/162963	07.7179	29.1CGD17A	59	55.9148	07.9CGD17K	99F1A1947805F1A19412
178300759S10	JUL	83	19	43Z	1911938191/1937C0202191/1928191/193555	28.4125	15.9CMCC	59	42.7147	25.9CGD17K	99F1A1950813F1A19454
178300759S10	JUL	83	21	24Z	1912120191/2120C0202191/2113191/211760	35.5153	28.4AACRCC	59	56.9147	33.1CGD17K	99F1A1951709F1A19510
178300759S10	JUL	83	21	34Z	1912127191/2127C0203191/2113191/212562	41.5153	03.7AACRCC	60	13.4148	31.1CGD17K	12F1A1951718F1A19412
178300759S10	JUL	83	23	16Z	1912311191/2311C0203191/2300191/231066	02.4150	56.7OTHER	60	07.5147	38.0CGD17K	99F1A1953118F1A19454
178300759S10	JUL	83	09	44Z	1910937191/0937C0203191/0916191/092959	54.7148	19.5CGD17K	55	29.9164	07.0CGD17A	99F1A1941299F1B19413
178300759S10	JUL	83	14	50Z	1911446191/1444C0102191/1431191/144059	50.0147	49.1CGD17K	57	43.2127	47.8CMCC	99F1A1945499F1B19455
178300759S10	JUL	83	19	51Z	1911946191/1945C0203191/1928191/193959	51.4147	19.0CGD17K	55	54.8105	35.6CMCC	99F1A1951099F1B19511
178300910S-8	AUG	83	06	28Z	2200617220/0616C0203220/0345220/035858	06.1154	44.2CGD17K	60	52.6126	07.9CMCC	99F1A2697599F1B26976
178300910S-8	AUG	83	20	33Z	2202011220/2011S0103220/1952220/200258	13.0154	46.9CGD17K	63	21.9176	17.0OTHER	07F1A2697599F1B27160
178300910S-8	AUG	83	19	37Z	2201929220/1929C0203220/1911220/192458	08.0154	55.6CGD17K	61	21.5172	50.5CGD17A	06F1A2697599F1B27147
178300910S-8	AUG	83	19	33Z	2201927220/1927C0203220/1911220/192458	08.0154	55.6CGD17K	61	21.5172	50.5CGD17A	06F1A2697599F1B27147
178300910S-8	AUG	83	18	44Z	2201831220/1831S0103220/1812220/182358	10.2154	45.0CGD17K	55	05.3137	48.7CGD17J	03F1A2697599F1B27138
178300910S-8	AUG	83	18	44Z	2201829220/1829S0103220/1812220/182358	10.2154	45.0CGD17K	55	05.3137	48.7CGD17J	03F1A2697599F1B27138
178300910S-8	AUG	83	17	52Z	2201746220/1746C0203220/1726220/173958	11.2155	00.9CGD17K	56	19.4135	23.8CGD17J	10F1A2697599F1B27124
178300910S-8	AUG	83	17	49Z	2201744220/1743C0203220/1726220/173958	11.2155	00.9CGD17K	56	19.4135	23.8CGD17J	10F1A2697599F1B27124
178300910S-8	AUG	83	16	26Z	2201620220/1620C0201220/1541220/154852	29.5088	18.4CMCC	58	28.5154	44.0CGD17K	99F1A2711723F1A26975
178300910S-8	AUG	83	14	18Z	2201415220/1414C0103220/1353220/140558	09.1154	45.5CGD17K	62	33.9158	12.5OTHER	03F1A2697599F1B27078
178300910S-8	AUG	83	13	03Z	2201243220/1243C0103220/1206220/122258	09.5154	43.1CGD17K	57	32.7148	30.7CGD17K	03F1A2697599F1B27063
178300910S-8	AUG	83	10	55Z	2201048220/1047C0103220/1021220/103758	14.3154	56.7CGD17K	53	32.3099	57.9CMCC	10F1A2697599F1B27047
178300910S-8	AUG	83	07	19Z	2200714220/0713S0103220/0605220/061558	00.9154	33.6CGD17K	52	09.6173	23.9CGD17A	07F1A2697599F1B26996
178300910S-8	AUG	83	07	15Z	2200710220/0709S0103220/0605220/061558	00.9154	33.6CGD17K	52	09.6173	23.9CGD17A	07F1A2697599F1B26996
178300910S-8	AUG	83	07	13Z	2200706220/0705C0203220/0530220/054358	11.8154	39.4CGD17K	55	59.2177	17.2CGD17A	06F1A2697599F1B26993
178300910S-8	AUG	83	07	10Z	2200705220/0702C0203220/0530220/054358	11.8154	39.4CGD17K	55	59.2177	17.2CGD17A	06F1A2697599F1B26993
178300910S-8	AUG	83	06	44Z	2200639220/0639S0103220/0424220/043660	38.4141	28.1AACRCC	58	17.4154	48.8CGD17K	99F1A2698511F1A26975
178300946S16	AUG	83	19	12Z	2281903228/1846C0203228/1558228/161057	38.7157	41.2CGD17K	54	06.8118	00.3CMCC	99F1A2920899F1B29209
178300946S16	AUG	83	12	22Z	2281213228/1213C0102228/0945228/095257	35.8157	34.4CGD17K	52	58.3106	21.3CMCC	99F1A2912999F1B29130
178300946S16	AUG	83	23	11Z	2282238228/2238C0103228/2221228/223357	38.4157	26.7CGD17K	56	54.1164	51.1CGD17K	07F1A2920899F1B29281
178300946S16	AUG	83	21	33Z	2282121228/2121C0103228/2034228/205157	39.6157	33.6CGD17K	62	08.9111	04.7CMCC	03F1A2920899F1B29266

178300946516	AUG	83	19	57Z	2281952228/1951S0103228/1840228/185155	59.3148	46.4CGD17K	57	38.6157	43.0CGD17K	99F1A2925001F1A29208
178300946516	AUG	83	19	48Z	2281941228/1941C0203228/1743228/175657	38.6157	42.3CGD17K	58	38.5167	45.0CGD17K	00F1A2920899F1B29246
178300946516	AUG	83	12	58Z	2281251228/1247C0103228/1130228/114357	35.6157	14.1CGD17K	57	25.0155	26.4CGD17K	10F1A2912999F1B29132
178300946516	AUG	83	12	54Z	2281250228/1243C0102228/1130228/113457	15.8154	48.6CGD17K	57	33.0157	34.1CGD17K	99F1A2913103F1A29129
178300979523	AUG	83	04	26Z	2350420235/0419C0203235/0351235/040457	09.7154	01.6CGD17K	54	47.0179	11.0CGD17A	99F1A3127699F1B31277
178300979523	AUG	83	04	24Z	2350417235/0417C0203235/0351235/040457	09.7154	01.6CGD17K	54	47.0179	11.0CGD17A	99F1A3127699F1B31277
178300979526	AUG	83	18	30Z	2381826238/1804C0203238/1715238/172567	25.6160	38.1AACRC	68	49.3172	54.2CGD17A	99F1A3219399F1B32194
178300979523	AUG	83	12	46Z	2351224235/1224C0103235/1205235/121761	52.8159	08.30THER	57	14.9153	59.1CGD17K	99F1A3134305F1A31276
178300979523	AUG	83	10	32Z	2351028235/1027C0102235/1019235/102457	05.1153	51.4CGD17K	56	23.1147	09.8CGD17K	07F1A3127699F1B31313
178301067510	SEP	83	12	31Z	2531227253/1227S0103253/0554253/060557	08.8153	15.2CGD17K	51	59.6178	27.3CGD17A	99F1A3578899F1B35789
178301067510	SEP	83	12	34Z	2531230253/1229S0103253/0554253/060557	08.8153	15.2CGD17K	51	59.6178	27.3CGD17A	99F1A3578899F1B35789
178301067513	SEP	83	13	22Z	2561309256/1305C0202256/1143256/115457	03.1153	14.9CGD17K	51	42.9094	01.6CMCC	99F1A3679299F1B36793
178301067510	SEP	83	01	05Z	2530059253/0058C0202253/007253/002457	02.9153	09.5CGD17K	59	19.9131	22.0CMCC	99F1A365910F1B36598
178301067510	SEP	83	03	46Z	2530337253/0336S0102253/0235253/023968	16.4088	04.8CMCC	57	36.1153	05.9CGD17K	99F1A3570413F1B35582
178301067510	SEP	83	04	22Z	2530353253/0348S0103253/0235253/024457	10.4153	16.5CGD17K	68	19.1087	54.1CMCC	08F1A365904F1A35704
178301067510	SEP	83	06	56Z	2530553253/0553S0102253/0414253/041860	07.5135	50.9CMCC	57	03.0153	20.1CGD17K	99F1A3574505F1A35659
178301067510	SEP	83	07	38Z	2540730254/0729S0103254/0532254/054353	44.8171	48.0CGD17A	57	07.0153	19.2CGD17K	99F1A3613802F1A35788
178301067511	SEP	83	07	38Z	2540732254/0732S0103254/0532254/054353	44.8171	48.0CGD17A	57	07.0153	19.2CGD17K	99F1A3613802F1A35788
178301067511	SEP	83	09	12Z	2540807254/0806C0102254/0536254/054550	46.0078	20.8CMCC	57	09.2153	22.8CGD17K	99F1A3614704F1A35788
178301067511	SEP	83	10	17Z	2540914254/0914C0102254/0720254/072857	05.8153	11.8CGD17K	54	18.3125	21.3CMCC	03F1A3578899F1B36176
178301067511	SEP	83	12	11Z	2541207254/1206C0103254/0906254/092357	06.6153	15.8CGD17K	59	25.3176	26.8CGD17K	02F1A3578899F1B36228
178301067511	SEP	83	16	08Z	2541604254/1547C0103254/1045254/110657	15.1153	22.0CGD17K	64	13.4125	16.10THER	07F1A3651307F1A36434
178301067511	SEP	83	16	14Z	2541609254/1608C0202254/1231254/123857	05.5153	14.1CGD17K	52	56.3109	20.3CMCC	03F1A3578899F1B36292
178301067511	SEP	83	19	40Z	2541936254/1936C0203254/1416254/142957	08.0153	10.1CGD17K	57	30.9157	05.4CGD17K	02F1A3578899F1B36346
178301067	SEP	83	23	00Z	2542233254/2233C0203254/1602254/161557	07.6153	19.6CGD17K	62	42.0146	13.00THER	02F1A3578899F1B36396
178301067511	SEP	83	23	00Z	2542256254/2255C0110254/1623254/162357	08.5153	01.1CGD17K	64	42.8076	05.2CMCC	07F1A3578899F1B36392
178301067512	SEP	83	02	22Z	2550204255/0203C0202254/2318254/233861	12.0113	18.3CMCC	57	02.4153	15.0CGD17K	99F1A792 07F1A35788
178301067512	SEP	83	10	22Z	2550855255/0855S0102255/0511255/051255	35.4161	44.6CGD17K	57	03.0153	32.9CGD17K	99F1A3651307F1A36434
178301067512	SEP	83	10	22Z	2550905255/0905S0103255/0511255/053357	09.5153	09.7CGD17K	55	29.0162	24.6CGD17K	16F1A3643499F1B36515
178301067512	SEP	83	10	22Z	2550912255/0912C0102255/0610255/061957	05.3153	19.7CGD17K	51	54.2096	44.3CMCC	09F1A3643499F1B36517
178301067512	SEP	83	10	21Z	2550946255/0945S0103255/0652255/070147	15.5152	35.20THER	57	03.5153	06.8CGD17K	99F1A3652713F1A36434
178301067512	SEP	83	10	34Z	2551023255/1023C0102255/0752255/080156	14.5144	45.9CGD17K	57	07.6153	13.5CGD17K	99F1A3653712F1A36434
178301067512	SEP	83	22	31Z	2552225255/2224C0203255/2200255/221057	13.0153	09.9CGD17K	64	06.6073	26.5CMCC	07F1A3661119F1B36682
178301067513	SEP	83	00	54Z	2560050256/0050C0203255/2347255/235957	08.2153	20.4CGD17K	59	22.4131	18.7CMCC	00F1A3661199F1B36702
178301067513	SEP	83	02	08Z	2560158256/0158C0203256/0132256/014657	09.6153	02.9CGD17K	54	23.6177	53.8CGD17A	08F1A3661199F1B36721
178301067513	SEP	83	03	57Z	2560349256/0349S0102256/0310256/031557	09.8153	08.1CGD17K	65	16.5105	18.0CMCC	06F1A3661199F1B36753
178301067513	SEP	83	05	20Z	2560516256/0515S0103256/0449256/050257	15.5152	36.6CGD17K	57	09.0153	21.1CGD17K	99F1A3677601F1A36611
178301067513	SEP	83	13	50Z	2561342256/1342C0202256/1327256/133657	05.5153	08.7CGD17K	55	54.6141	39.8CGD17K	04F1A3679299F1B36803
178301067513	SEP	83	15	33Z	2561530256/1530C0203256/1513256/152657	19.0153	12.0CGD17K	61	21.6165	52.70THER	16F1A3679299F1B36837
178301067513	SEP	83	17	29Z	2561720256/1719S0102256/1657256/171457	22.6153	09.2CGD17K	49	22.2105	47.8CMCC	20F1A3679299F1B36880
178301067513	SEP	83	18	01Z	2561756256/1756C0103256/1735256/175060	26.0122	23.6CMCC	57	12.5153	05.7CGD17K	99F1A3688811F1A36792
178301067513	SEP	83	23	09Z	2562301256/2246C0203256/2229256/224457	08.2153	16.9CGD17K	62	33.4093	35.8CMCC	04F1A3679299F1B36953
178301067514	SEP	83	00	44Z	2570041257/0034C0202257/0016257/003257	01.8153	26.9CGD17K	57	28.9149	09.2CGD17K	06F1A3679299F1B36974
178301067514	SEP	83	02	21Z	2570213257/0213C0203257/0201257/021157	07.5153	04.6CGD17K	53	07.9161	37.8CGD17A	07F1A3679299F1B36997
178301067514	SEP	83	02	21Z	2570214257/0214C0203257/0201257/021157	07.5153	04.6CGD17K	53	07.9161	37.8CGD17A	07F1A3679299F1B36997
178301067514	SEP	83	04	48Z	2570436257/0436S0102257/0428257/043259	00.0142	34.4CGD17K	57	08.2153	04.6CGD17K	99F1A3702507F1A36792
178301067514	SEP	83	08	18Z	2570814257/0813C0110257/0535257/053557	13.0153	13.0CGD17K	51	24.6087	12.3CMCC	10F1A3679299F1B37030
178301067514	SEP	83	08	47Z	2570841257/0841C0102257/0720257/072757	05.7153	08.5CGD17K	55	11.2134	33.7CGD17J	04F1A3679299F1B37038
178301067514	SEP	83	08	49Z	2570842257/0842C0102257/0720257/072757	05.7153	08.5CGD17K	55	11.2134	33.7CGD17J	04F1A3679299F1B37038
178301067514	SEP	83	09	31Z	2570920257/0920C0103257/0906257/091860	18.2173	46.2CGD17A	57	11.0153	22.8CGD17K	99F1A3705809F1A36792
178301067514	SEP	83	09	34Z	2570921257/0920C0103257/0906257/091860	18.2173	46.2CGD17A	57	11.0153	22.8CGD17K	99F1A3705809F1A36792
178301067514	SEP	83	12	41Z	2571234257/1225C0202257/1211257/121957	05.8153	12.3CGD17K	57	54.8109	40.7CMCC	03F1A3679299F1B37078
178301067514	SEP	83	14	12Z	2571402257/1402C0202257/1356257/140057	06.7153	09.0CGD17K	52	40.1158	26.0CGD17K	05F1A3679299F1B37042
178301067514	SEP	83	16	00Z	2571556257/1556C0203257/1543257/155457	17.5153	22.0CGD17K	62	41.4146	54.80THER	15F1A3679299F1B37117
178301067514	SEP	83	16	58Z	2571653257/1652C0103257/1623257/164157	11.6153	07.0CGD17K	63	08.6086	46.0CMCC	10F1A3679299F1B37125
178301067514	SEP	83	18	29Z	2571826257/1826C0103257/1811257/182457	07.8153	16.3CGD17K	58	07.4143	24.5CGD17K	04F1A3679299F1B37140
178301067515	SEP	83	02	44Z	2580216257/2322C0203257/2258257/231361	02.2113	51.0CMCC	57	11.9153	01.6CGD17K	99F1A3720611F1A36792
178301067515	SEP	83	02	44Z	2580226258/0132C0202258/0044258/005655	40.3166	30.4CGD17K	57	04.0153	05.2CGD17K	99F1A3722305F1A36792
178301067515	SEP	83	04	18Z	2580411258/0411S0102258/0227258/023968	31.6083	10.9CMCC	57	08.2153	13.1CGD17K	99F1A3679299F1B36792
178301067515	SEP	83	05	42Z	2580526258/0526S0103258/0406258/041757	08.1153	17.3CGD17K	60	55.7132	37.8CMCC	04F1A3679299F1B37286
178301067516	SEP	83	18	11Z	2591803259/1801S0103259/1733259/174651	30.3121	50.9CMCC	57	18.2153	10.0CGD17K	99F1A3776215F1A36792
178301077513	SEP	83	03	39Z	2560334256/0333S0102256/0310256/031466	45.4008	02.8CMCC	56	33.0159	38.2CGD17K	99F1A3674899F1B36749
178301077513	SEP	83	18	06Z	2561802256/1802C0103256/1735256/175260	59.3114	34.5CMCC	56	35.5159	41.5CGD17K	99F1A3689003F1B36749
178301077513	SEP	83	17	20Z	2561716256/1716S0102256/1657256/171245	50.5101	37.7AFRCC	56	19.9159	32.5CGD17K	99F1A3687713F1B36749
178301077513	SEP	83	15	42Z	2561537256/1536C0203256/1513256/152956	30.6159	49.1CGD17K	59	14.8172	32.0CGD17A	06F1B3674999F1B36842
178301077513	SEP	83	15	38Z	2561535256/1535C0203256/1513256/152956	30.6159	49.1CGD17K	59	14.8172	32.0CGD17A	06F1B3674999F1B36842

178301077513	SEP 83 13 40Z	2561336256/1336C0202256/1327256/133454	09.2136	07.6CMCC	56 26.2159	50.1CGD17K	99F1A3680003F1B36749
178301077513	SEP 83 13 14Z	2561301256/1301C0202256/1143256/115256	31.2159	53.0CGD17K	50 28.3089	18.2CMCC	08F1B3674999F1B36789
178301077513	SEP 83 05 17Z	2560506256/0506S0103256/0449256/050056	31.4159	44.3CGD17K	58 56.2146	23.2CGD17K	03F1B3674999F1B36774
178301120527	SEP 83 22 39Z	2702225270/2225C0203270/2208270/222057	06.6135	20.9CGD17J	55 38.4150	09.0CGD17J	99F1A4023199F1B40232
178301120528	SEP 83 20 56Z	2712050271/1957C0201271/1904271/192964	28.5058	51.3CMCC	57 10.3135	25.2CGD17J	99F1A4047903F1A40231
178301120528	SEP 83 19 01Z	2711852271/1852S0102271/1813271/182857	02.9135	24.2CGD17J	60 30.9155	04.7AACRCC	04F1A4023199F1B40471
178301120528	SEP 83 18 37Z	2711824271/1824C0103271/1734271/174657	07.2135	22.9CGD17J	52 28.0174	12.3CGD17A	01F1A4023199F1B40466
178301120528	SEP 83 18 37Z	2711823271/1822C0103271/1734271/174657	07.2135	22.9CGD17J	52 28.0174	12.3CGD17A	01F1A4023199F1B40466
178301120528	SEP 83 16 49Z	2711646271/1646S0103271/1633271/164252	25.5109	28.8CMCC	57 09.3135	32.0CGD17J	99F1A4045206F1A40231
178301120528	SEP 83 16 51Z	2711635271/1635C0102271/1548271/160756	49.8137	22.7CGD17J	57 02.4135	21.3CGD17J	99F1A4045104F1A40231
178301120528	SEP 83 16 32Z	2711608271/1606C0103271/1548271/160057	03.9135	42.6CGD17J	56 58.1136	41.7CGD17J	99F1A4045104F1A40231
178301120528	SEP 83 16 06Z	2711603271/1529C0103271/1402271/141057	08.5135	21.0CGD17J	62 14.3082	41.9CMCC	02F1A4023199F1B40429
178301120528	SEP 83 12 11Z	2711200271/1200C0202271/1149271/115457	03.4135	18.6CGD17J	59 37.3160	31.2AACRCC	04F1A4023199F1B40348
178301120528	SEP 83 10 26Z	2711019271/1018C0202271/1003271/101157	00.4135	20.2CGD17J	54 28.7109	50.2CMCC	07F1A4023199F1B40339
178301120528	SEP 83 08 42Z	2710837271/0837C0103271/0644271/065457	06.9135	24.2CGD17J	61 39.5178	27.5CGD17A	01F1A4023199F1B40335
178301120528	SEP 83 08 39Z	2710835271/0835C0103271/0644271/065457	06.9135	24.2CGD17J	61 39.5178	27.5CGD17A	01F1A4023199F1B40335
178301120528	SEP 83 07 45Z	2710742271/0741C0102271/0457271/050457	00.8135	17.8CGD17J	56 17.5128	17.2CMCC	06F1A4023199F1B40320
178301120528	SEP 83 04 09Z	2710403271/0403C0101271/0312271/032056	57.5135	13.4CGD17J	52 00.4080	10.0CMCC	10F1A4023199F1B40311
178301120528	SEP 83 03 47Z	2710340271/0340S0103271/0245271/025957	06.2135	20.2CGD17J	61 36.7110	01.1CMCC	01F1A4023199F1B40305
178301124529	SEP 83 17 00Z	2721644272/1644C0103272/1623272/163656	29.0158	20.8CGD17K	58 46.3135	20.9CGD17J	99F1A4068199F1B40682
018400022A0906	306/84	3060905306/0905C0210306/0817306/081741	31.1071	47.4AFRCC	41 07.1066	50.2CGD1	99F1A6245609F1B62371
018400022A1043	306/84	3061042306/1042C0210306/1003306/100345	02.2122	30.2AFRCC	41 29.3070	34.8CGD1	99F1A6247805F1A62112
018400022A0936	306/84	3060835306/0835C0204306/0817306/082841	27.2070	53.1CGD1	41 14.5068	04.5CGD1	09F1A6211299F1B62439
018400022A0835	306/84	3060834306/0834C0201306/0817306/082841	27.6071	00.8CGD1	41 10.2067	27.3CGD1	16F1A6211299F1B62438
018400022A0711	306/84	3060709306/0709C0210306/0632306/063241	27.3070	40.8CGD1	37 55.4018	06.8OTHER	02F1A6211299F1B62424
018400022A0503	306/84	3060502306/0502C0110306/0425306/042541	25.3070	40.7CGD1	45 12.9121	21.6AFRCC	00F1A6211299F1B62402
018400022A0254	306/84	3060252306/0252C0104306/0239306/024941	27.0070	43.4CGD1	41 07.5056	38.0CGD1	03F1A6211299F1B62371
018400022A0617	306/84	3060610306/0108C0110306/0054306/005441	31.0070	45.1CGD1	37 49.3016	30.5OTHER	07F1A6211299F1B62361
018400022A0555	306/84	3060540306/0100C0310306/0025306/002537	42.1120	51.8AFRCC	41 27.8070	30.8CGD1	99F1A6235507F1A62112
018400022A2306	305/84	3052305305/2304C0310305/2240305/224041	27.0071	00.8CGD1	41 29.7070	24.1CGD1	15F1A6211212F1A62112
018400022A2109	305/84	3052108305/2108C0201305/2031305/210441	27.3070	40.4CGD1	39 28.4096	35.5AFRCC	02F1A6211299F1B62299
018400022A1857	305/84	3051856305/1856C0204305/1845305/185541	24.7070	37.3CGD1	43 37.8044	23.0CGD3	02F1A6211299F1B62262
018400022A1504	305/84	3051503305/1503C0104305/1449305/150141	28.0070	40.5CGD1	39 41.0093	45.4AFRCC	03F1A6211299F1B62225
018400022A1157	305/84	3051156305/1156C0304305/1143305/115341	29.5070	41.9CGD1	41 54.8075	57.0AFRCC	05F1A6211299F1B62206
018400022A1015	305/84	3051013305/1013C0304305/0958305/100441	26.7070	39.0CGD1	38 18.6025	32.7OTHER	02F1A6211299F1B62190
018400022A0957	305/84	3050956305/0956C0210305/0935305/093545	19.5105	53.0AFRCC	42 40.5068	28.7CGD1	99F1A6217899F1B62179
018400022A1010	305/84	3051010305/1010C0210305/0934305/093441	28.3070	31.1CGD1	44 00.8103	58.8AFRCC	07F1A6211299F1B62188
018400022A0825	305/84	3050824305/0824C0204305/0748305/075841	27.7070	39.6CGD1	39 56.1050	58.3CGD3	03F1A6211299F1B62159
018400022A0828	305/84	3050827305/0827C0204305/0748305/075841	24.2063	49.9CGD1	40 53.2057	15.0CGD3	99F1A6216199F1B62162
018400022A0403	305/84	3050402305/0402C0104305/0350305/040041	26.5070	40.9CGD1	43 40.5099	03.3AFRCC	02F1A6211299F1B62125
018400022A0417	305/84	3050416305/0416C0110305/0350305/035041	27.6070	19.0CGD1	43 44.0099	02.6AFRCC	10F1A6210903F1B62125
018400022A0216	305/84	3050215305/0215C0104305/0204305/021341	25.0070	40.1CGD1	39 31.8046	09.2CGD3	99F1A6211299F1B62113
018400022A0215	305/84	3050213305/0213C0101305/0203305/021241	23.9070	05.5CGD1	39 35.6046	53.9CGD3	99F1A6210999F1B62110
018400030A0944	266/84	2660945266/0911C0104266/0727266/073841	50.3068	34.5CGD1	42 24.3075	35.2AFRCC	99F1A5341499F1B53415
018400030A0941	266/84	2660842266/0854C0110266/0727266/072742	28.2076	15.8AFRCC	41 48.1068	01.0CGD1	99F1A5340899F1B53409
018400046A0525	344/84	3440524344/0524C0201344/0514344/052443	26.3107	26.4AFRCC	40 45.3071	37.1CGD1	99F1A7020019F1A70177
018400046A0405	344/84	3440339344/0339C0201344/0329344/033640	56.7071	17.5CGD1	39 37.0054	14.4CGAA	99F1A7017799F1B70178
018400049A2036	348/84	3482036348/2035C0310348/1859348/185942	54.7070	05.3CGD1	39 56.3107	14.7AFRCC	99F1A7102699F1B71027
018400049A2203	348/84	3482202348/2202C0101348/2150348/220042	47.2069	36.4CGD1	42 48.7070	14.1CGD1	22F1A7102609F1A71026
018400049A2220	348/84	3482214348/2213C0101348/2150348/220342	40.7069	04.0CGD1	42 48.1070	33.7AFRCC	99F1A7104719F1B71008
018400049A2220	348/84	3482214348/2213C0101348/2150348/220342	40.7069	04.0CGD1	42 48.1070	33.7AFRCC	99F1A7104719F1B71008
018400050A1521	349/84	3491519349/1519C0201349/1503349/151543	24.2069	16.1CGD1	42 02.4086	09.5AFRCC	99F1A7117599F1B71176
018400050A1525	349/84	3491522349/1522C0210349/1503349/150343	41.5068	26.6CGD1	42 11.9087	00.2AFRCC	22F1A7114499F1B71177
018400050A1027	349/84	3491025349/0913C0104349/0850349/090543	05.2069	55.6CGD1	43 21.9066	41.1CMCC	99F1A7115399F1B71154
018400050A1022	349/84	3491020349/0905C0101349/0850349/090143	19.7068	30.5CGD1	43 59.6067	02.9CGD1	99F1A7114499F1B71145
018400050A1805	349/84	3491804349/1804C0310349/1744349/174440	52.4075	15.7AFRCC	41 25.2068	25.5CGD1	99F1A7120399F1B71204
018400050A1759	349/84	3491759349/1758C0301349/1744349/175641	18.0069	30.1CGD1	40 55.8074	14.5AFRCC	99F1A7120199F1B71202
018400177A0035	167/84	1670036167/0033C0201167/0022167/003241	29.5069	17.0CGD1	41 38.8071	12.8CGD1	99F1A9885699F1B98857
018400177A0056	167/84	1670056167/0056C0201167/0022167/004841	01.8066	00.3CGD1	41 42.8074	34.2AFRCC	99F1A9887199F1B98872
018400177A0218	167/84	1670218167/0218C0202167/0208167/021645	40.6124	33.4CGD13	41 33.1070	51.0CGD1	99F1A9887717F1B98857
018400177A0454	167/84	1670453167/0453C0110167/0439167/043941	29.8071	04.3CGD1	44 21.6032	40.7OTHER	11F1B9885799F1B98908
018400177A0454	167/84	1670453167/0453C0110167/0439167/043941	29.8071	04.3CGD1	44 21.6032	40.7OTHER	11F1B9885799F1B98908
018400177A0656	167/84	1670657167/0657C0110167/0626167/062641	38.6070	50.5CGD1	40 24.1086	30.1AFRCC	16F1B9885799F1B98915
018400210A0305	191/84	1910305191/0305C0101191/0251191/030242	38.9070	36.5CGD1	43 20.9062	05.4CMCC	07F1B0529599F1B05366
018400210A2210	190/84	1902210190/2210C0204190/2143190/215842	37.4071	37.4AFRCC	42 32.4070	35.7CGD1	15F1B0529499F1B05295
018400210A0853	191/84	1910854191/0853C0201191/0839191/085142	37.3070	39.9CGD1	42 54.2067	17.7CGD1	05F1B0529599F1B05441

018400210A0859	191/84	1910859191/0859C0204191/0839191/085242	36.2070	42.7CGD1	42	45.6068	28.0CGD1	06F1B0529599F1B05444
018400210A1037	191/84	1911037191/1037C0202191/1024191/103339	23.9117	36.0AFRCC	42	47.6070	35.0CGD1	99F1A0547516F1B05295
018400210A1456	191/84	1911456191/1456C0110191/1441191/144142	28.0070	50.4CGD1	39	49.0035	00.20THER	11F1B0529599F1B05524
018400219A1252	240/84	2401252240/1222C0104240/1137240/120544	32.4111	09.8AFRCC	41	28.5070	34.4CGD1	99F1A4628899F1B46289
018400302A1846	266/84	2661848266/1847C0104266/1827266/184241	45.8068	49.5CGD1	41	38.8070	21.7AFRCC	99F1A5357414F1B53496
018400302A1934	266/84	2661936266/1936C0110266/1827266/182741	43.3069	30.4CGD1	41	41.6070	21.8AFRCC	99F1A33361112F1B53496
018400700A1210	017/84	0171209017/1209C0110017/1137017/113740	36.5070	36.5CGD3	40	07.8064	32.0CGD1	99F1A6206499F1B62065
018400700A1154	017/84	0171153017/1153C0101017/1138017/115241	21.8070	33.4CGD1	40	52.7064	24.8CGD1	99F1A6205399F1B62054
018400700A0130	017/84	0170124017/0124S0110017/0106017/010640	56.0070	59.4CGD1	33	32.7107	25.6AFRCC	99F1A6199599F1B61996
018400700		0161828016/1828C0204016/1814016/182542	38.5087	03.6AFRCC	41	23.3071	20.5CGD1	99F1A6195599F1B61956
018400700A1709	017/84	0171708017/1708C0201017/1657017/170641	25.8071	29.2CGD1	39	59.6052	21.0CGD3	06F1B6195699F1B62099
018400700A1343	017/84	0171342017/1342S0104017/1322017/133544	05.8085	03.6AFRCC	41	23.8071	31.0CGD1	99F1A6207107F1B61956
018400700A1151	017/84	0171149017/1149C0101017/1138017/114841	26.0071	21.9CGD1	40	49.8063	45.6CGD1	03F1B6195699F1B62051
018400700A0553	017/84	0170551017/0528C0210017/0511017/051141	26.5071	30.2CGD1	40	43.4080	54.3AFRCC	08F1B6195699F1B62030
018400700A0405	017/84	0170358017/0337C0204017/0325017/033441	27.5071	29.6CGD1	44	43.2027	05.80THER	08F1B6195699F1B62010
018400700A0010	017/84	017009017/0009C0104016/2348017/000441	25.4071	25.1CGD1	39	53.8090	54.3AFRCC	03F1B6195699F1B61987
018400700A2229	016/84	0162214016/2214C0104016/2202016/221341	26.0071	31.0CGD1	43	59.7037	33.50THER	08F1B6195699F1B61976
018401170A1622	128/84	1281621128/1618C0210128/1538128/153841	51.2062	56.1CGD3	41	28.6067	43.7CGD1	99F1A8925799F1B89258
018402011A1816	175/84	1751816175/1816C0101175/1739175/180341	50.1073	39.9AFRCC	41	10.8065	27.3CGD1	99F1A0117299F1B01173
018402011		1751818175/1818C0110175/1739175/173941	48.6074	16.9AFRCC	41	03.1064	50.0CGD1	99F1A0117499F1B01175
018402011A1614	175/84	1751614175/1614C0110175/1553175/155337	28.1020	36.30THER	40	34.0068	12.3CGD1	99F1A0114899F1B01149
018402011A1821	175/84	1751821175/1821C0110175/1738175/173840	28.5064	30.7CGD1	41	14.4074	54.4AFRCC	99F1A0117699F1B01177
018402011A1810	175/84	1751810175/1810C0101175/1738175/175840	40.1067	08.9CGD1	41	03.6072	04.2CGD3	99F1A0116599F1B01166
018402011A1201	175/84	1751201175/1158C0210175/1136175/113641	09.8069	22.5CGD1	38	56.9100	07.8AFRCC	99F1A0105399F1B01054
018402011A1219	175/84	1751219175/1219C0204175/1136175/113641	01.4068	49.5CGD1	38	37.7101	00.2AFRCC	99F1A0106499F1B01065
018402011		1751421175/1421S0110175/1311175/131139	03.4065	10.9CGD1	43	12.1085	25.4AFRCC	99F1A0110199F1B01102
018402011		1751416175/1416S0110175/1311175/131140	59.6070	34.6CGD1	42	46.7079	51.2CMCC	99F1A0109799F1B01098
018402011A2012	175/84	1752012175/2012C0110175/1925175/192545	13.9125	03.3CGD13	41	06.8069	29.6CGD1	99F1A0119405F1A01053
018402011A2013	175/84	1752013175/2013C0104175/1925175/194540	26.9069	26.2CGD1	44	18.7125	14.6CGD13	99F1A0119517F2A01141
018402011		1751517175/1517S0110175/1450175/145040	38.7068	54.8CGD1	52	12.2129	46.0CMCC	22F1A0106499F1B01127
018402011A1813	175/84	1751813175/1813C0110175/1738175/173840	45.5067	40.9CGD1	41	02.7071	57.7CGD3	99F1A0116704F1B01166
018402011A1343	175/84	1751342175/1342S0101175/1311175/132443	04.4081	46.4CMCC	40	36.0068	54.5CGD1	99F1A0107625F1A01064
018402011A1755	175/84	1751755175/1754C0101175/1738175/175241	03.7070	59.3CGD1	40	55.6069	27.1CGD1	18F1A0109714F1A01053
018402011A2224	176/84	1762224176/2224C0210176/2206176/220642	35.4070	47.3CGD1	39	59.5036	59.10THER	10F1B0128899F1B01469
018402077A0121	176/84	1760121176/0120C0202176/0109176/011546	20.7125	15.5CGD13	42	25.0070	48.1CGD1	99F1A0128799F1B01288
018402077A1033	176/84	1761032176/1032C0201176/1019176/102942	34.6070	55.3CGD1	43	02.2065	19.9CMCC	11F1B0128899F1B01411
018402077A0901	176/84	1760901176/0901C0210176/0832176/083247	30.6010	00.60THER	42	50.9070	57.3CGD1	99F1A0141026F1B01288
018402077A0638	176/84	1760638176/0638C0102176/0624176/063342	35.9070	39.4CGD1	39	22.1115	22.1AFRCC	12F1B0128899F1B01369
018402077A0623	176/84	1760621176/0621C0110176/0438176/043842	34.8070	54.8CGD1	43	06.9064	24.6CMCC	11F1B0128899F1B01361
038400008A1819	311/84	3111818311/1818C0204311/1807311/181637	09.7048	43.0CGD3	35	54.4065	51.9CGD3	99F1A8367999F1B83698
038400008A1507	311/84	3111506311/1506C0110311/1450311/145035	30.9067	37.5CGD3	32	42.4114	00.2AFRCC	99F1A6368499F1B63685
038400008A2007	311/84	3112006311/2006C0210311/1952311/195236	00.3065	53.7CGD3	33	50.4100	07.9AFRCC	06F1B6368999F1B63709
038400008A2029	311/84	3112028311/2027C0304311/2020311/202636	00.7065	47.2CGD3	38	42.4022	57.30THER	08F1B6368999F1B63718
038400014A0451	291/84	2910450291/0449C0110291/0426291/042640	18.9067	04.1CGD1	40	46.7073	09.6CGD3	99F1A5921802F1A59184
038400014		2911026291/1026C0210291/0956291/095640	48.5073	12.0CGD3	40	05.0063	59.1CGD1	04F1A5918499F1B59270
038400014A0115	291/84	2910104291/0104C0310291/0010291/001040	46.3073	07.4CGD3	41	40.2060	54.8CGD3	99F1A5918499F1B59185
038400021A2125	288/84	2882126288/2126C0201288/2114288/212442	14.0058	43.1CGD3	41	08.2072	20.2CGD3	99F1A5871399F1B58714
038400021A2317	288/84	2882314288/2314C0201288/2259288/231341	07.0072	19.0CGD3	38	24.4109	32.4AFRCC	01F1B5871499F1B58735
038400021A2321	288/84	2882322288/2322C0304288/2310288/231941	08.6072	16.0CGD3	44	49.9024	08.90THER	03F1B5871499F1B58739
038400021A0112	289/84	2890112289/0112C0310289/0056289/005641	07.9072	26.1CGD3	40	40.6078	11.1AFRCC	04F1B5871499F1B58768
038400024A1331	297/84	2971327297/1327C0310297/1305297/130540	30.8073	06.2CGD3	41	36.9087	42.6AFRCC	99F1A6037510F1A60278
038400035A1405	125/84	1251401125/1400S0110125/1252125/125238	49.2075	55.3AFRCC	37	10.0067	42.6CGD3	99F2A8844299F2B88443
038400035A1259	125/84	1251254125/1254C0101125/1150125/123233	52.1104	26.3AFRCC	36	14.5068	44.9CGD3	99F1A8841799F1B88418
038400035A1149	125/84	1251141125/1140S0110125/1112125/111228	58.5026	30.20THER	37	55.0069	16.6CGD3	99F1A8832999F1B88393
038400035A1344	125/84	1251337125/1337S0101125/1253125/130836	56.5076	25.0CGD5	35	18.0068	19.4CGD3	99F1A8842999F1B88430
038400035A1128	125/84	1251029125/1029C0101125/1004125/101537	12.2069	01.3CGD3	38	24.4052	38.1CGD3	99F1A8835599F1B88356
038400035A0856	125/84	1250831125/0825C0210125/0645125/064536	52.6070	21.3CGD	40	10.0121	12.1AFRCC	99F1A8832599F1B88326
038400035A0810	125/84	1250807125/0704C0201125/0459125/051236	48.1067	19.0CGD3	36	58.0069	32.4CGD3	99F1A8827599F1B88276
038400035A1552	125/84	1251551125/1551S0110125/1431125/143147	49.2122	47.4CGD13	37	17.2068	39.7CGD3	99F2A8847817F1A88355
038400035A1516	125/84	1251513125/1513S0110125/1431125/143137	21.6068	05.5CGD3	48	09.2123	15.4AFRCC	22F2B8844399F1B88461
038400035A1310	125/84	1251308125/1308S0101125/1252125/130338	50.5076	28.30THER	36	58.0067	09.4CGD3	19F1A6251012F1A88275
038400035A1206	125/84	1251158125/1157C0102125/1150125/115535	07.8104	48.4AFRCC	37	25.3068	57.0CGD3	99F1A8839513F1A88355
038400035A1322	125/84	1251321125/1321S0110125/1252125/125238	43.6075	08.9AFRCC	37	20.5068	20.9CGD3	99F1A8842723F1A88274
038400035A1146	125/84	1251136125/1136S0110125/1112125/111237	14.9068	48.6CGD3	28	29.6027	21.40THER	10F1A8835599F1B88388
038400035A1400	125/84	1251358125/1358S0110125/1252125/125238	36.0074	48.7AFRCC	37	24.3068	48.8CGD3	17F1A8842715F1A88355
038400035A1248	125/84	1251246125/1246C0110125/1150125/115035	29.1105	37.9AFRCC	38	01.1067	40.2CGD3	09F1A8833699F1B88413

038400035A1147	125/84	1251137125/113750110125/1112125/111237	14.9068	48.6CGD3	28	29.6027	21.40THER	10F1A8835599F1B88388
038400035A0853	125/84	1250828125/0804C0210125/0645125/064537	03.0069	35.0CGD3	40	21.8122	01.0AFRCC	05F1B8827699F1B88317
038400035A0808	125/84	1250806125/0703C0210125/0459125/045936	58.1068	29.2CGD3	36	50.1068	18.3CGD3	99F1A8827411F1A88274
038400040A1213	298/84	2981211298/1211C0304298/1149298/120140	22.7073	53.3CGD3	38	43.0052	35.7CGD3	05F1A6055799F1B60583
038400040A1438	298/84	2981435298/1435C0110298/1415298/141540	23.1074	02.5CGD3	42	17.1049	04.2CGD3	02F1A6055799F1B60603
038400042A2058	319/84	3192054319/2054C0301319/2042319/205142	27.8056	21.8CGD3	41	05.2073	42.2CGD3	99F1A65559011F1B65554
038400042D11:14:17:07:22		3191651319/1650C0210319/1636319/163644	35.1023	33.90THER	40	53.1073	39.8CGD3	99F1A6555399F1B65554
038400057D12:06:07:35:01		3410707341/0706C0310341/0622341/062235	45.7069	25.2CGD3	34	06.5043	11.7CGAA	99F1A6974299F1B69743
038400057D12:06:07:35:27		3410710341/0710C0310341/0622341/062235	40.3068	37.3CGD3	34	04.2044	06.2CGAA	99F1A6974899F1B69749
038400063A2133	094/84	0942127094/2102C0201094/2034094/205040	44.5073	08.8CGD3	39	34.6088	01.7AFRCC	15F1B8089199F1B80912
038400063A1301	093/84	0931259093/1259S0101093/1243093/125539	23.5065	34.0CGD1	40	44.1072	19.9CGD3	99F1A8062203F1B80592
038400063A0930	093/84	0930927093/0926C0204093/0908093/092140	48.9072	51.8CGD3	41	07.2076	42.0AFRCC	04F1A8046999F1B80593
038400063A0352	093/84	0930349093/0349C0104093/0314093/032840	47.1072	36.6CGD3	40	36.9071	24.1CGD3	10F1A8046999F1B80551
038400063A0342	093/84	0930340093/0340C0101093/0314093/032640	38.6070	05.8CGD1	40	52.1073	00.4CGD3	99F1A8054309F1A80469
038400063A0121	093/84	0930117093/0117S0104093/0026093/004938	06.1086	10.3AFRCC	40	48.7072	37.3CGD3	99F2A8051911F1A80469
038400063A1951	092/84	0921948092/1948C0201092/1937092/194641	21.6073	44.6AFRCC	43	03.0052	39.5CGD3	17F1A8033199F1B80420
038400063A1325	092/84	0921323092/1323S0104092/1304092/131740	55.2073	11.2CGD3	41	18.7075	12.1AFRCC	15F2A8004699F1B80324
038400063A0854	092/84	0920853092/0852C0201092/0839092/085040	49.8072	52.8CGD3	39	47.6059	30.5CGD3	01F2A8004699F1B80308
038400063A2343	091/84	0912341091/2338S0104091/2307091/233340	54.2073	00.1CGD3	45	35.7048	48.8CMCC	08F2A8004699F2B80194
038400063A1920	091/84	0911919091/1919C0201091/1908091/191743	36.4034	39.50THER	40	50.5073	02.5CGD3	99F1A8012308F2A80046
038400063A1512	091/84	0911511091/1510C0104091/1450091/150840	23.7077	02.5AFRCC	40	43.6072	40.4CGD3	99F1A8005810F2A80046
038400063A0402	092/84	0920401092/0401C0104092/0239092/025040	46.5073	01.8CGD3	39	04.2049	51.8CGD3	08F2A8004699F1B80248
038400069A1706	126/84	1261705126/1705C0204126/1627126/164339	01.3072	22.9CGD3	38	53.8073	50.0CGD3	99F1A8875517F1A88750
038400069A1652	126/84	1261650126/1650C0210126/1627126/162739	10.9073	52.2CGD3	39	12.0073	42.7CGD3	99F1A8875007F1A88750
038400072A1405	315/84	3151404315/1404C0101315/1338315/135139	28.6089	07.4AFRCC	40	42.4073	26.3CGD3	99F1A6444807F1A64344
038400072A2006	315/84	3151958315/1836C0201315/1814315/182840	36.1073	26.9CGD3	41	38.4060	18.6CGD3	10F1A6434499F1B64464
038400072A1148	315/84	3151145315/1145C0304315/1118315/113242	35.2095	25.1AFRCC	40	46.9073	39.3CGD3	99F1A6442104F1A64344
038400072A0926	315/84	3150925315/0925C0201315/0903315/091444	31.5120	05.5AFRCC	41	06.9073	46.5CGD3	99F1A6439324F1A64344
038400072A0833	315/84	3150831315/0831C0201315/0717315/072740	10.8066	07.9CGD1	40	46.5073	37.7CGD3	99F1A6437903F1A64344
038400072A0308	315/84	3150305315/0305C0110315/0237315/023740	45.1073	34.4CGD3	42	33.4094	32.3AFRCC	99F1A6434499F1B64345
038400163A2302	046/84	0462301046/2301S0110046/2238046/223838	00.9075	16.8CGD5	46	38.4031	24.5CMCC	99F1A6931099F1B69311
038400163A0031	047/84	0470033047/0033S0104047/0018047/002937	11.7078	58.1AFRCC	37	55.4075	24.2CGD5	99F1A6932508F1A69310
038400189A2340	214/84	2142335214/2335C0110214/2316214/231640	32.7073	27.6CGD3	43	34.7031	57.40THER	05F1B3931899F1B39374
038400189A1818	214/84	2141816214/1816C0210214/1718214/171837	20.5022	40.90THER	40	38.9073	28.3CGD3	99F1A3931799F1B39318
038400190A1312	215/84	2151310215/1310C0101215/1251215/130539	57.0059	24.9CGD3	40	58.9073	04.0CGD3	99F1A3952799F1B39528
038400194A1936	218/84	2181936218/1936C0210218/1911218/191140	50.1072	27.9CGD3	42	20.6091	33.3AFRCC	99F1A4038599F1B40386
038400203A1729	225/84	2251728225/1728C0204225/1714225/172640	52.7073	08.0CGD3	39	36.9056	48.8CGD3	99F1A4195599F1B41956
038400240A1911	254/84	2541904254/1904C0310254/1831254/183140	36.6073	22.0CGD3	42	52.7103	24.7AFRCC	05F1A4999999F1B50316
038400240A1829	254/84	2541826254/1825C0304254/1645254/165640	39.7073	22.6CGD3	38	56.1050	36.6CGD3	04F1A4999999F1B50291
038400240A1541	254/84	2541540254/1540C0204254/1512254/152942	18.0094	48.3AFRCC	40	42.4073	36.4CGD3	99F1A5025514F1A49999
038400240A1338	254/84	2541337254/1337C0201254/1327254/133540	40.7073	18.4CGD3	38	30.1043	16.7CGD3	00F1A4999999F1B50240
038400240A0934	254/84	2540933254/0933C0101254/0914254/092841	31.5084	06.0AFRCC	40	37.0073	10.8CGD3	99F1A5019805F1A49999
038400240A1001	254/84	2541000254/0948C0104254/0914254/093341	29.2083	02.9AFRCC	40	43.7074	01.2CGD3	99F1A5020699F1B50207
038400240A0746	254/84	2540746254/0746C0110254/0728254/072840	40.0073	20.4CGD3	37	50.2932	54.90THER	02F1A4999999F1B50184
038400240A0521	254/84	2540520254/0520C0310254/0459254/045940	40.4073	23.6CGD3	40	16.9078	37.0AFRCC	05F1A4999921F1A50041
038400240A0326	254/84	2540324254/0324C0304254/0313254/032340	40.6073	21.8CGD3	44	09.6024	16.80THER	03F1A4999999F1B50104
038400240A0158	254/84	2540157254/0156C0201254/0142254/015340	50.6071	16.6CGD1	40	40.1073	27.6CGD3	14F1B5003608F1A49999
038400240A0013	254/84	2540011254/0011C0210253/2355253/235540	37.5073	18.2CGD3	44	31.8016	06.00THER	03F1A4999999F1B50079
038400240A2216	253/84	2532212253/2212C0104253/2125253/214740	51.1073	27.9CGD3	38	08.2109	42.6AFRCC	12F1A4999999F1B50055
038400240A1952	253/84	2531951253/1951C0101253/1939253/195041	51.3058	30.7CGD3	40	40.6073	22.4CGD3	99F1A5001003F1A49999
038400240A1819	253/84	2531818253/1818C0304253/1802253/181640	40.8073	17.4CGD3	41	34.9084	44.4AFRCC	99F1A4999999F1B50000
038400244D09:18:13:14:19		262/1209C0204262/1159262/120740	13.1070	13.6CGD3	37	30.0630	34.10THER	99F1A5235999F1B52360
038400252A1725	273/84	2731725273/1606C0310273/1528273/152840	59.3072	19.3CGD3	41	22.2077	07.5AFRCC	99F1A5531499F1B55315
038400282A2020	246/84	2462018246/2013C0301246/1954246/200841	14.8072	01.2CGD3	44	52.6119	36.3AFRCC	11F1A4780099F1B48012
038400282A2015	246/84	2462014246/1928C0110246/1904246/190441	02.7071	45.3CGD3	44	50.5016	46.80THER	07F1A4780099F1B48001
038400282A1651	246/84	2461650246/1650C0202246/1641246/164840	56.5071	45.8CGD3	44	14.4114	12.8AFRCC	09F1A4780099F1B47965
038400282A1518	246/84	2461516246/1515C0210246/1455246/145540	03.8059	52.7CGD3	41	01.9072	15.2CGD3	99F1A4794915F1A47800
038400282A1030	246/84	2461028246/1005C0104246/0950246/100241	23.9075	58.1AFRCC	41	05.7072	00.6CGD3	99F1A4790604F1A47800
038400282A1823	246/84	2461822246/1821C0301246/1808246/181941	05.6071	58.0CGD3	40	33.9065	16.6CGD1	03F1A4780099F1B47981
038400282A0643	246/84	2460640246/0640C0310246/0622246/062241	04.9071	56.6CGD3	39	27.3093	26.3AFRCC	01F1A4780024F1A47848
038400282A0345	246/84	2460344246/0344C0210246/0310246/031038	10.3090	02.9AFRCC	39	33.2070	42.9CGD3	99F1A4782499F1B47825
038400457A2213	138/84	1382210138/2210C0110138/2040138/204039	25.9074	21.4CGD3	36	27.4031	32.50THER	99F1A9146299F1B91463
038400457A0943	139/84	1390942139/0942C0110139/0927139/092739	23.0074	37.2CGD3	39	07.5077	16.40THER	12F1A9146221F1A62510
038400457A0531	139/84	1390529139/0529C0204139/0438139/045439	32.3074	19.8CGD3	41	26.0099	13.4AFRCC	05F1A9146299F1B91571
038400457A0358	139/84	1390357139/0357C0204139/0252139/030439	31.5074	28.5CGD3	37	35.7046	58.7CGD3	08F1A9146299F1B91557
038400457A0112	139/84	1390110139/0110S0104139/0032139/004339	32.6074	30.8CGD3	37	07.1086	34.6AFRCC	10F1A9146299F1B91499

038400467A0746	143/84	1430743143/0742C0204143/0447143/051239	59.2071	20.5CGD3	43	28.8121	33.5AFRCC	99F1A9280699F1B92807
038400467A1138	143/84	1431137143/1137S0110143/1122143/112240	05.8071	20.7CGD3	31	16.7028	31.60THER	07F1A9280699F1B92835
038400467A1440	143/84	1431438143/1438S0110143/1303143/130341	13.5076	15.2AFRCC	40	10.5070	56.0CGD3	99F2A9289122F1A92806
038400498A0801	232/84	2320800232/0800C0310232/0635232/063540	47.3073	06.1CGD3	42	29.6051	08.5CGD3	07F1A4383605F1B43806
038400498A1232	232/84	2321232232/1232C0110232/1213232/121340	47.7073	08.2CGD3	42	47.2098	39.2AFRCC	05F1A4383699F1B43905
038400498A1045	232/84	2321045232/1045C0110232/1027232/102740	49.0073	06.4CGD3	38	54.0046	35.7CGD3	07F1A4383699F1B43894
038400498A0834	232/84	2320833232/0833C0310232/0820232/082040	48.4073	07.0CGD3	38	39.0102	56.4AFRCC	05F1A4383608F1A43819
038400498A0800	232/84	2320800232/0800C0310232/0635232/063540	47.3073	06.1CGD3	42	29.6051	08.5CGD3	07F1A4383605F1B43806
038400498A0627	232/84	2320628232/0627C0201232/0518232/053240	47.8073	15.3CGD3	38	36.6103	03.3AFRCC	99F1A4383603F1A43819
038400498A0529	232/84	2320529232/0529C0202232/0518232/052338	40.4103	05.7AFRCC	40	46.9073	05.3CGD3	99F1A4381921F1A43805
038400498A0348	232/84	2320347232/0347C0201232/0332232/034341	03.6072	46.8CGD3	42	35.2051	05.0CGD3	99F1A4380599F1B43806
038400535A1520	239/84	2391519239/1519C0201239/1507239/151540	47.7073	20.1CGD3	38	28.4041	37.6CGD3	99F1A4596099F1B45961
038400535A0705	239/84	2390704239/0703C0310239/0628239/062840	50.4071	39.9CGD1	48	41.1073	36.2CGD3	16F1A4581799F1B45868
038407042D11:26:02:28:48		3310143331/0143C0110331/0124331/012439	44.2072	21.9CGD3	42	32.7114	45.3AFRCC	99F1A6808099F1B68081
038407089A2022	089/84	0892009089/2009C0201089/1957089/200740	53.6072	06.2CGD3	42	20.2053	50.6CGD3	99F1A7954599F1B79546
038407089A0755	090/84	0900753090/0753C0204090/0743090/075140	35.3072	22.0CGD3	37	21.4026	44.40THER	22F1A7954599F1B79686
038407089A0534	090/84	0900532090/0532C0104090/0501090/052040	46.4072	19.2CGD8	43	47.5115	01.9AFRCC	12F1A7954599F1B79672
038407089A0413	090/84	0900410090/0410C0101090/0314090/033240	48.0071	20.4CGD1	40	06.0061	57.6CGD3	11F1A7959299F1B79645
038407089A0349	090/84	0900344090/0344C0101090/0314090/032740	49.4072	12.8CGD3	39	58.7061	11.9CGD3	07F1A7954599F1B79636
038407089A0414	090/84	0900411090/0411C0101090/0314090/033240	48.0071	20.4CGD1	40	06.0061	57.6CGD3	11F1A7953299F1B79645
038407089A0222	090/84	0900217090/0217S0102090/0131090/014441	18.0071	55.6CGD3	31	49.8117	41.3CGD11	25F1A7954599F1B79625
038407089A0018	090/84	0900014090/0013S0101089/2350090/000141	12.6070	20.9CGD1	40	55.1071	48.9CGD3	99F1A7958812F1A79545
038407193A1253	229/84	2291234229/1234C0110229/1213229/121340	43.2093	03.9AFRCC	38	54.3069	07.2CGD3	17F1A4291499F1B43029
038407193A1250	229/84	2291231229/1231C0101229/1213229/122739	29.5068	29.5CGD3	41	25.4093	37.0AFRCC	99F1A4302799F1B43028
038407193A1249	229/84	2291227229/1227C0104229/1213229/122539	51.7069	13.7CGD3	41	49.4092	43.4AFRCC	99F1A4302399F1B43024
038407193A1302	229/84	2291252229/1247C0110229/1213229/121341	58.3087	52.6AFRCC	40	50.6073	36.1CGD3	99F1A4304099F1B43041
038407193A1304	229/84	2291253229/1250C0101229/1213229/123341	02.8092	20.3AFRCC	39	18.8069	41.7CGD3	99F1A4304299F1B43043
038407193A2047	229/84	2292042229/2042C0304229/2023229/203839	00.2076	54.3AFRCC	38	33.1070	37.4CGD3	02F1A6251099F1B43146
038407193A2103	228/84	2282103228/2103C0110228/2053228/205339	58.9068	16.3CGD3	43	46.8012	30.30THER	99F1A4287799F1B42878
038407198A0358	233/84	2330359233/0359C0210233/0215233/021540	30.4070	22.6CGD3	44	17.0016	50.80THER	99F1A4410799F1B44108
038407215A0133	253/84	2530129253/0129C0210253/0113253/011341	00.0052	09.8CGD3	39	15.6074	04.1CGD3	99F1A4988499F1B49885
038407215A0137	253/84	2530133253/0133C0204253/0113253/012638	59.3074	57.0CGD3	40	47.0051	19.3CGD3	99F1A4988799F1B49888
038407215A2108	252/84	2522105252/2105C0104252/2051252/210338	14.6073	57.7CGD3	37	09.6088	39.9AFRCC	05F1A4979699F1B49828
038407215A1915	252/84	2521913252/1913C0101252/1904252/191138	10.1074	01.3CGD3	40	45.5035	16.00THER	99F1A4979699F1B49797
038499999A1537	241/84	2411538241/1447C0210241/1418241/141835	38.4025	12.20THER	38	37.3074	03.0CGD3	99F1A4659199F1B46592
038499999A1618	241/84	2411619241/1619C0201241/1603241/161640	03.3075	51.1AFRCC	39	51.7073	21.6CGD3	99F1A4659599F1B46596
038499999A0757	241/84	2410754241/0754C0310241/0727241/072737	10.3105	56.6AFRCC	39	25.9073	51.5CGD3	99F1A4650299F1B46503
038499999A1044	241/84	2411044241/1044C0104241/1026241/104139	54.2074	21.9CGD3	39	55.2074	32.0AFRCC	16F1A4636599F1B46536
038499999A0855	241/84	2410856241/0856C0110241/0841241/084139	49.6073	36.3CGD3	36	41.8024	56.60THER	18F1A4636599F1B46526
038499999A1022	240/84	2401023240/1023C0110240/0950240/095038	17.7055	15.6CGD3	39	33.7073	11.9CGD3	99F1A4625899F1B46259
038499999A1019	240/84	2401019240/1019C0104240/0950240/101538	09.6057	03.5CGD3	39	10.0071	29.9CGD3	99F1A4625699F1B46257
038499999A0605	241/84	2410606241/0606C0310241/0542241/054239	56.1074	11.9CGD3	41	32.4054	04.0CGD3	09F1A4636599F1B46487
038499999A0402	241/84	2410401241/0252C0201241/0233241/024540	00.4074	05.8CGD3	41	47.9051	10.9CGD3	07F1A4636599F1B46451
038499999A0629	242/84	2420628242/0628C0304242/0611242/062340	13.5072	24.0CGD3	40	05.2074	10.1AFRCC	99F1A4679205F1B46771
038499999A2252	240/84	2402253240/2252C0110240/2237240/223739	59.0074	01.0CGD3	37	57.8101	15.0AFRCC	04F1A4636599F1B46405
038499999A2059	240/84	2402100240/2100C0304240/2029240/205739	55.8074	15.7CGD3	43	00.6113	39.0AFRCC	12F1A4636599F1B46385
038499999A1911	240/84	2401911240/1910C0304240/1843240/190939	56.5073	37.5CGD3	38	59.8061	27.0CGD3	16F1A4636599F1B46366
038499999A1909	240/84	2401908240/1908C0310240/1843240/184339	55.1074	00.0CGD3	38	55.3060	58.1CGD3	99F1A4636599F1B46367
058400013A1544	283/84	2831526283/1526C0301283/1501283/152435	29.4098	57.7AFRCC	33	48.8074	38.0CGD5	99F1A5724299F1B57243
058400013A1523	283/84	2831521283/1518C0301283/1501283/151635	23.4097	33.7AFRCC	33	53.3075	57.1CGD5	99F1A5723899F1B57239
058400013A1545	283/84	2831530283/1530C0301283/1502283/152635	57.3096	45.5AFRCC	34	31.2076	34.7CGD5	99F1A5724599F1B57246
058400013A1546	283/84	2831532283/1531C0310283/1501283/150133	37.6075	20.3CGD5	35	09.8098	26.8AFRCC	99F1A5724799F1B57248
058400018A0951	286/84	2860951286/0951C0210286/0918286/091833	46.0078	03.1CGD5	30	55.5027	09.80THER	07F1A5786099F1B57957
058400018A0710	286/84	2860710286/0709C0104286/0647286/065933	57.4077	50.9CGD5	36	39.0118	52.0AFRCC	09F1A5786099F1B57941
058400018A0649	286/84	2860649286/0648C0110286/0500286/050033	47.5078	04.0CGD5	32	55.9064	49.4CGD3	05F1A5786099F1B57929
058400018A0442	286/84	2860441286/0441C0304286/0116286/012633	46.8078	13.5CGD5	34	23.1069	42.7CGD3	12F1A5786099F1B57887
058400018A0424	286/84	2860423286/0422C0202285/2321285/232533	52.5078	01.2CGD5	32	17.9103	10.0AFRCC	99F1A5786099F1B57861
058400037A1549	298/84	2991534299/1534C0110299/1451299/145138	17.4068	55.3CGD3	37	49.0075	02.3CGD5	99F1A6090299F1B60903
058400037A1719	298/84	2991719299/1719C0104299/1636299/165138	02.2074	59.8CGD5	34	53.9119	55.0AFRCC	12F1B6090399F1B60947
058400090A1525	342/84	3421527342/1526C0201342/1516342/152438	55.2060	34.1CGAA	37	50.1075	13.9CGD5	99F1A6992100F1B69892
058400090A0849	342/84	3420850342/0850C0304342/0837342/085037	47.8074	51.1CGD5	40	02.4108	07.2AFRCC	18F1B6989299F1B69909
058400090A0731	342/84	3420731342/0710C0304342/0652342/070336	24.7054	47.3CGAA	37	49.8075	14.8CGD5	99F1A6989199F1B69892
058400102A1524	353/84	3531525353/1525C0204353/1513353/152337	40.2076	11.7CGD5	35	40.6095	35.4AFRCC	99F1A7189999F1B71899
058400102A1357	353/84	3531358353/1358C0204353/1327353/134636	51.5075	35.5CGD5	39	03.3043	16.1CGAA	99F1A7189799F1B71898
058400117A2040	366/84	0012039001/2039S0204001/2027001/203738	52.4075	45.1CGD5	29	22.9120	10.4CGD11	25F1A7474799F1B74813
058400117A1727	366/84	0011726001/1726C0301001/1713001/172438	49.2076	20.3CGD5	36	30.0108	26.6AFRCC	01F1A7474799F1B74772

058400117A1551	366/84	0011537001/1537CD301001/1528001/153638	48.7076	18.4CGD5	40	17.3057	02.3CGAA	99F1A7474799F1B74748
058400189A1404	069/84	0691401069/1401SD110069/1303069/130333	13.7076	27.1CGD5	32	54.6074	56.2CGD5	99F1A7471999F1B74720
058400189A1213	069/84	0691812069/1812CD110069/1752069/175232	34.3074	39.6CGD5	31	44.4087	15.9AFRCC	24F1B7472099F1B74778
058400199A2188	081/84	0812217081/2216CD204081/2125081/221439	41.5065	47.8CGD1	38	53.3076	19.0CGD5	99F1A7738399F1B77384
058400199A1743	082/84	0821743082/1743CD110082/1637082/163739	03.7076	25.4CGD5	37	43.1095	05.6AFRCC	11F1B7738420F1B77621
058400199A1354	082/84	0821354082/1354SD101082/1321082/133239	01.7076	26.2CGD5	39	54.7080	50.7AFRCC	10F1B7738499F1B77580
058400199A1117	082/84	0821117082/1117CD210082/1055082/105539	00.6076	30.1CGD5	40	03.4089	59.1AFRCC	11F1B7738407F1B77561
058400199A0550	082/84	0820550082/0550CD104082/0536082/054838	59.0076	22.4CGD5	40	52.1101	05.6AFRCC	06F1B7738499F1B77492
058400199A0243	082/84	0820236082/0207SD110082/0103082/0106334	13.4099	29.6AFRCC	38	57.1076	34.3CGD5	26F1B7741312F1B77384
058400222A1019	105/84	1051019105/1018CD204105/0747105/080136	02.7075	16.0CGD5	36	10.5077	00.8AFRCC	99F1A8297299F1B82973
058400222A0324	105/84	1050323105/0323CD102105/0311105/032036	04.7075	35.9CGD5	38	25.2109	41.5AFRCC	99F1A8292399F1B82924
058400230A1400	110/84	1101359110/1359SD110110/1317110/131736	45.3075	55.0CGD5	37	39.1080	18.9AFRCC	99F1A8429199F1B84292
058400230A1543	110/84	1101542110/1542SD110110/1456110/145647	29.0127	47.7CGD13	37	14.0076	03.1CGD5	23F1B8430899F2B84327
058400230A1509	110/84	1101507110/1506SD110110/1456110/145636	55.1076	16.8CGD5	47	06.1127	41.5CGD13	20F1A8429199F1B84308
058400285A1300	144/84	1441300144/1300SD110144/1243144/124332	45.0076	12.5CGD5	30	32.0065	42.4CGD3	99F1A9314699F1B93147
058400285A1850	144/84	1441851144/1851CD210144/1614144/161432	50.1076	13.1CGD5	30	12.9122	47.4CGD11	04F1A9314699F1B93204
058400285A1719	144/84	1441720144/1720CD201144/1429144/144033	02.8071	57.4CGD5	32	45.9076	03.3CGD5	99F1A9317708F1A93146
058400285A1437	144/84	1441437144/1436SD102144/1423144/143032	44.6076	12.2CGD5	40	13.6113	28.8AFRCC	01F1A9314699F1B93162
058400357A1657	181/84	1811656181/1656CD110181/1551181/155135	04.4033	14.10THER	37	59.0075	52.2CGD5	99F1A0255699F1B02557
058400357A1422	182/84	1821421182/1421SD101182/1400182/141242	37.9100	26.6AFRCC	37	45.0076	03.4CGD5	99F1A0286816F1B02557
058400357A1232	182/84	1821230182/1230SD101182/1221182/122837	43.4075	52.9CGD5	33	00.3052	49.8CGD3	16F1B0255799F1B02838
058400357A1007	182/84	1821005182/1005CD201182/0940182/100037	43.3075	46.4CGD5	38	57.9059	47.1CGD3	16F1B0255799F1B02812
058400357A0504	182/84	1820503182/0503CD101182/0439182/045337	42.7075	44.3CGD5	37	30.9078	23.6AFRCC	17F1B0255799F1B02754
058400357A0306	182/84	1820303182/0303CD104182/0252182/030237	39.0075	41.0CGD5	40	53.4024	11.20THER	21F1B0255799F1B02731
058400357A0203	182/84	1820201182/0201SD104182/01143182/015437	55.9075	27.4CGD5	28	59.4118	19.0CGD11	19F1B0255799F1B02717
058400357A0044	182/84	1820043182/0040CD202182/0027182/003741	06.5121	38.6AFRCC	37	44.1075	44.3CGD5	99F1A0269816F1B02557
058400357A0017	182/84	1820015182/0015SD101182/0002182/001238	46.4070	20.6CGD3	37	40.5075	45.0CGD5	99F1A0266818F1B02557
058400357A2259	181/84	1812257181/2256CD201181/2241181/225437	43.5075	44.1CGD5	37	08.8067	39.0CGD3	16F1B0255799F1B02621
058400357A1758	181/84	1811756181/1756CD101181/1737181/175337	56.5075	50.7CGD5	33	33.1084	13.3AFRCC	02F1B0255799F1B02561
058400423A1933	214/84	2141930214/1930CD201214/1902214/192637	40.0076	19.0CGD5	37	15.0070	42.1CGD3	14F1A3901099F1B39330
058400423A1416	214/84	2141414214/1414CD101214/1400214/141337	37.0076	16.5CGD5	38	32.6088	38.4AFRCC	16F1A3901099F1B39255
058400423A1226	214/84	2141224214/1224CD101214/1215214/122237	38.7076	16.2CGD5	35	02.6037	17.00THER	14F1A3901099F1B39248
058400423A0725	214/84	2140723214/0723CD202214/0718214/072237	37.5076	37.9CGD5	36	12.8097	22.0AFRCC	25F1A3901099F1B39191
058400423A0547	214/84	2140545214/0544CD201214/0532214/054037	37.6076	25.5CGD5	39	55.7044	30.7CGD3	18F1A3901099F1B39181
058400423A0226	214/84	2140223214/0223CD102214/0213214/022137	37.2076	18.6CGD5	35	10.9113	10.3AFRCC	17F1A3901099F1B39119
058400423A0043	214/84	2140040214/0040CD101214/0028214/003837	36.9076	16.7CGD5	38	42.9061	34.0CGD3	16F1A3901099F1B39102
058400423A2030	213/84	2132028213/2028CD202213/2019213/202639	48.9106	04.6AFRCC	37	37.1076	17.4CGD5	99F1A3906416F1A39010
058400423A1851	213/84	2131849213/1849CD201213/1833213/184637	36.6076	14.1CGD5	35	56.7053	23.9CGD3	16F1A3901099F1B39657
058400423A1602	213/84	2131559213/1543CD101213/1512213/153737	53.3076	10.6CGD5	41	06.9122	10.6AFRCC	99F1A3901099F1B39011
058400444A1230	226/84	2261229226/1229CD101226/1213226/122638	15.5076	36.4CGD5	38	10.4075	28.3AFRCC	99F1A4218099F1B42181
058400444A1841	226/84	2261842226/1802CD204226/1742226/175538	17.4076	48.2CGD5	37	52.3071	22.6CGD3	09F1A4218099F1B42230
058400444A2333	226/84	2262334226/2334CD110226/2315226/231538	18.5076	29.3CGD5	38	47.9070	09.6CGD3	06F1A4218099F1B42321
058400446A0717	228/84	2280716228/0716CD210228/0655228/065535	11.1073	57.4CGD5	32	00.0133	46.4CGD12	99F1A4274499F1B42745
058400446S15	AVG 84 13 46Z	2281339228/1339CD102228/1323228/133835	01.9073	39.7CGD5	38	10.2122	51.2AFRCC	16F1A4274414F1A42627
078400211A0134	091/84	0910134091/0134SD104091/0106091/012124	06.4100	58.2MEXICD	30	09.8072	34.6CGD7	99F1A7988507F1B79802
078400211A2352	090/84	0902349090/2349SD101090/2326090/232430	11.1072	34.2CGD7	34	21.3053	00.2CGD3	08F1B7980299F1B79847
078400211A2136	090/84	0902131090/2131CD201090/2028090/203830	25.9068	28.5CGD3	30	09.8072	44.1CGD7	99F1A7980199F1B79802
078400211A1427	090/84	0901427090/1427CD104090/1418090/142630	20.4072	11.2CGD7	31	36.0054	15.9CGD3	07F2B7975599F1B79756
078400211A1421	090/84	0901418090/1418SD101090/1350090/141636	30.7102	16.7AFRCC	30	18.1072	19.2CGD7	12F1B7975299F2B79755
078400211A1411	090/84	0901411090/1411SD104090/1350090/140330	17.8072	38.7CGD7	36	26.7102	02.4AFRCC	17F1A7973099F1B79752
078400211A1328	090/84	0901321090/1320SD101090/1210090/121930	07.4072	54.7CGD7	26	06.7054	17.1CGD3	99F1A7973099F1B79731
078400390A		2911011291/1011CD201291/0950291/100918	10.2059	49.7CGD7	19	15.7081	22.2CGD7	99F1A5926604F1B59194
078400390A0443	291/84	2910444291/0444CD101291/0420291/044119	19.7081	22.9CGD7	18	23.2062	38.4CGD7	08F1B5919499F1B59215
078400390A0215	291/84	2910215291/0215CD301291/0201291/021118	10.7101	25.90THER	19	11.7081	20.9CGD7	99F1A5919399F1B59194
078400456A1403	295/84	2951405295/1404CD304295/1348295/140226	07.2080	13.0CGD7	27	17.3100	15.1MEXICD	07F1B5959499F1B59771
078400456A1233	295/84	2951234295/1234CD304295/1202295/121726	06.5080	07.1CGD7	24	24.2048	12.8CGD3	04F1B5959499F1B59763
078400456A1019	295/84	2951020295/1020CD204295/1000295/101626	04.8080	12.5CGD7	25	55.9077	50.0CGD7	05F1B5959499F1B59726
078400456A0535	295/84	2950536295/0534CD104295/0457295/051426	04.7080	09.8CGD7	26	55.8093	51.1CGD8	03F1B5959499F1B59686
078400456A0331	295/84	2950332295/0332CD104295/0311295/032926	06.6080	08.3CGD7	24	04.7042	05.6CGD3	04F1B5959499F1B59672
078400456A0224	295/84	2950226295/0224CD310295/0210295/021023	59.6122	11.3CGD11	25	59.2080	14.6CGD7	99F1A5964707F1B59594
078400456A0042	295/84	2950041295/0041CD310295/0025295/002526	03.3080	12.3CGD7	26	37.9070	20.9CGD7	04F1B5959499F1B59633
078400456A2240	294/84	2942239294/2239CD210294/2223294/222324	53.1100	47.4MEXICD	26	02.2080	07.2CGD7	04F1A5959199F1B59594
078400498A1142	294/84	2941144294/1144CD210294/1118294/111828	23.1078	40.6CGD7	30	25.4114	46.30THER	99F1A5952099F1B59521
078400498A1141	294/84	2941142294/1142CD210294/1118294/111829	03.6113	34.20THER	27	12.8079	59.7CGD7	99F1A5951899F1B59519
078400498A1026	294/84	2941028294/1027CD204294/0932294/094827	04.8078	14.1CGD7	26	07.7062	17.4CGD3	99F1A5950899F1B59509
078400498A0954	294/84	2940954294/0953CD210294/0932294/093227	23.4078	52.5CGD7	26	24.6061	35.1CGD3	04F1A5946799F1B59493

078400498A0439	294/84	2940438294/0438C0104294/0422294/043627	24.9078	58.0CGD7	27 05.4073	51.0CGD7	99F1A5946799F1B59468
078400743A1030	307/84	3071030307/1029C0201307/0340307/085725	02.3080	23.9CGD7	24 58.0079	12.5CGD7	11F1A6250499F1B62601
078400743A0342	307/84	3070339307/0339C0110307/0309307/030925	00.8080	37.5CGD7	25 08.5080	59.8CGD7	08F1B6250118F1B62501
078400743A0341	307/84	3070338307/0338C0101307/0309307/033525	08.4081	35.0CGD7	25 01.7079	47.7CGD7	99F1A6257224F1A62504
078400743A2030	306/84	3062026306/1952C0210306/1918306/191825	08.7080	14.0CGD7	26 43.5049	00.1CGD3	99F1A6250499F1B62505
078400842A1234	310/84	3101235310/1235C0302310/1219310/123128	00.0107	04.3HEXICO	26 31.1080	08.8CGD7	99F1A6348310F1B63396
078400842A1050	310/84	3101051310/1050C0301310/1033310/104824	57.2054	43.4CGD3	26 21.7080	07.1CGD7	99F1A6346205F1B63396
078400842A0836	310/84	3100837310/0837C0204310/0821310/083526	20.5079	29.4CGD7	26 22.9080	07.3CGD7	99F1A6343405F1B63396
078400842A0325	310/84	3100326310/0325C0104310/0309310/032327	05.5091	12.3CGD8	26 23.0080	01.0CGD7	99F1A6339599F1B63396
078400897A0933	312/84	3120932312/0932C0202312/0917312/093024	15.1081	31.9CGD7	25 57.0114	10.7CGD11	24F1B6381199F1B63846
078400897A0755	312/84	3120752312/0752C0204312/0732312/074724	39.1081	33.5CGD7	23 32.2061	24.8CGD7	05F1B6381199F1B63830
078401505A2026	336/84	3362023336/2023C0304336/2016336/202226	46.7080	02.0CGD7	26 10.4089	51.8CGD8	05F1B6898299F1B69049
078401505A1752	336/84	3361750336/1750C0202336/1744336/174826	51.0079	25.7CGD7	25 24.5106	08.1HEXICO	26F1B6898299F1B68993
078401505A1606	336/84	3361605336/1605C0201336/1558336/160428	21.6052	52.7CGAA	26 46.2079	56.1CGD7	99F1A6898199F1B68982
078401608A0908	339/84	3390907339/0906C0301339/0852339/090629	31.7104	24.4HEXICO	27 57.0078	43.3CGD7	99F1A6721499F1B69511
078402108A2332	007/84	0072334007/2334S0104007/2313007/232921	36.0050	07.2CGD3	18 18.0064	53.5CGD7	99F1A6038099F1B60381
078402108A1934	007/84	0071935007/1935C0201007/1907007/192718	14.3066	27.9CGD7	19 37.3095	12.9CGD8	99F1A6033099F1B60331
078402108A0004	008/84	0080007008/0007C0101007/2356008/000118	09.5064	12.0CGD7	18 18.6064	13.6CGD7	99F1A6038609F1A60386
078402275A0905	015/84	0150904015/0903C0210015/0604015/060425	18.6086	34.1CGD8	25 43.0080	12.2CGD7	99F1A6175899F1B61759
078402275A1807	015/84	0151805015/1805C0204015/1740015/180324	36.2063	36.2CGD7	25 43.5080	13.6CGD7	99F1A6183402F1B61759
078402275A1250	015/84	0151248015/1248S0110015/1230015/123021	04.0059	07.5CGD7	25 43.0080	14.8CGD7	99F2A6178703F1B61759
078402275A1229	015/84	0151228015/1228C0104015/1208015/122624	58.2068	52.3CGD7	25 40.0080	11.0CGD7	99F1A6177703F1B61759
078402509A0839	029/84	0290841029/0423C0204029/0356029/040526	23.9080	05.2CGD7	26 56.8070	52.3CGD7	99F1A6511399F1B65114
078402509A1418	029/84	0291420029/1420S0104029/1408029/141631	47.1105	33.2AFRCC	26 26.0080	15.3CGD7	99F1A6524909F1A65113
078402509A1233	029/84	0291235029/1235S011029/1228029/123326	26.2080	05.9CGD7	21 32.6057	53.2CGD7	02F1A6511399F1B65192
078402509A1208	029/84	0291210029/1210C0104029/1132029/114826	24.3080	09.9CGD7	27 29.8098	18.6AFRCC	04F1A6511399F1B65192
078402509A1119	029/84	0291121029/1121C0101029/0946029/100026	24.5080	07.7CGD7	24 37.3045	55.9CGD3	02F1A6511399F1B65163
078402509A0849	029/84	0290851029/0608C0202029/0540029/054924	08.8122	23.7CGD11	26 24.4080	04.3CGD7	99F1A6513401F1A65113
078402594A1642	032/84	0321645032/1645C0210032/1513032/151326	50.7077	33.5CGD7	25 20.9051	02.2CGD3	15F1A6600399F1B66155
078402594A1146	032/84	0321149032/1149C0102032/1131032/114628	21.8110	49.6HEXICO	26 32.3077	55.4CGD7	26F2B6603812F1A66003
078402594A1054	032/84	0321047032/1027C0101032/0945032/095926	40.3077	58.2CGD7	25 29.0057	45.5CGD3	09F1A6600399F1B66099
078402594A0505	032/84	0320508032/0508C0201032/0336032/034526	42.1077	58.0CGD7	26 59.5073	21.8CGD7	08F1A6600399F1B66043
078402677A1554	036/84	0361544036/1544C0201036/1519036/153917	57.1066	58.4CGD7	18 37.2080	15.3CGD7	10F1A6727099F1B67358
078402677A1148	036/84	0361148036/1148S0104036/1138036/114418	01.1067	08.9CGD7	13 55.4048	58.7CGD7	21F1A6727099F1B67298
078402677A0913	036/84	0360916036/0916C0110036/0832036/083217	55.1066	46.7CGD7	16 58.4047	57.8CGD3	99F1A6727099F1B67271
078402677A0404	036/84	0360407036/0222C0204036/0202036/020618	00.1067	05.0CGD7	18 58.1048	24.0CGD3	03F1B6707999F1B67179
078402677A2327	035/84	0352331035/2330S0104035/2309035/232822	38.4045	53.3CGD3	17 54.7067	07.2CGD7	99F1A6713406F1B67079
078402677A2105	035/84	0352107035/2107C0104035/2057035/210218	02.2066	40.3CGD7	18 00.6067	09.0CGD7	99F1A6707899F1B67079
078402782A0041	042/84	0420039042/0039S0101042/0020042/003717	50.9079	57.3CGD7	20 29.1068	11.3CGD7	99F1A6829009F1A68237
078402782A2327	041/84	0412331041/2331C0110041/2055041/205520	44.0067	44.4CGD7	19 46.8086	41.0CGD7	99F1A6827799F1B68278
078403013A0900	051/84	0510852051/0852C0101051/0834051/085032	48.4078	28.3CGD7	33 12.5084	14.0AFRCC	99F1A7047899F1B70479
078403013A1516	050/84	0501515050/1515S0110050/1452050/145242	15.1126	44.9CGD13	32 15.2078	16.5CGD7	99F2A7030599F1B70306
078403013A1510	050/84	0501513050/1513S0110050/1452050/145232	46.6077	54.0CGD7	42 30.8126	52.1CGD13	99F2A7030399F1B70304
078403013A0159	050/84	0500200050/0200S0110050/0052050/005230	07.1090	58.9AFRCC	32 56.1077	36.0CGD7	99F2A7016923F1B70139
078403013A0134	050/84	0500136050/0136S0101050/0052050/011429	51.7090	02.1AFRCC	32 20.1078	09.4CGD7	99F2A7015699F1B70157
078403013A2337	049/84	0492340049/2339S0110049/2312049/231239	27.2042	42.7CGD3	32 33.2077	38.8CGD7	99F2A7013899F1B70139
078403143A0046	058/84	0580048058/0048C0210058/0011058/001118	08.2068	11.7CGD7	18 09.2067	55.2CGD7	11F1A7220499F1B72212
078403143A0025	058/84	0580027058/0026C0201058/0011058/001718	08.8068	23.7CGD7	18 11.8067	25.3CGD7	99F1A7220421F1B72009
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078403419A1253	070/84	0701252070/1252S0110070/1243070/124326	15.5072	00.1CGD7	26 18.3072	13.3CGD7	02F1A7485510F1A74855
078403419A1112	070/84	0701058070/1057C0210070/1026070/102626	17.8072	01.4CGD7	24 45.4043	26.1CGD3	99F1A7485599F1B74856
078403725A1505	080/84	0801502080/1501S0104080/1408080/141424	46.9081	09.1CGD7	29 57.4105	05.6HEXICO	02F2A7709399F1B77097
078404117A0413	094/84	0940409094/0409C0101094/0344094/040325	40.1079	13.2CGD7	26 11.9087	51.1CGD8	05F1B8072699F1B80748
078404129A1331	096/84	0961330096/1330S0104096/1324096/132920	28.5084	55.0CGD7	19 50.0082	01.5CGD7	99F1A8119605F1A81162
078404129A1148	096/84	0961147096/1147S0104096/1144096/114609	45.5036	33.60THER	20 08.5082	16.8CGD7	99F1A8119318F1A81162
078404129A1052	096/84	0961051096/1051C0204096/1027096/104519	52.2082	07.8CGD7	21 48.8125	05.5CGD11	00F1A8116299F1B81184
078404129A0953	096/84	0960952096/0952C0201096/0841096/090819	28.5081	38.0CGD7	18 58.7072	25.4CGD7	99F1A8117899F1B81179
078404129A0943	096/84	0960942096/0942C0201096/0841096/085919	51.8082	08.2CGD7	19 19.3071	52.4CGD7	99F1A8116299F1B81163
078404129A0335	096/84	0960330096/0330C0104096/0307096/032819	47.3082	12.7CGD7	19 24.0074	49.5CGD7	22F1A8094699F1B81110
078404129A0115	096/84	0960114096/0114S0104096/0056096/011119	28.9083	29.3CGD7	19 47.8082	03.9CGD7	99F1A8108819F1A80946
078404129A2348	095/84	0952345095/2345S0104095/2316095/233429	53.8035	25.10THER	19 44.6082	11.7CGD7	99F1A8107420F1A80946
078404129A1945	095/84	0951942095/1942C0201095/1923095/192719	36.6082	06.7CGD7	21 27.1040	12.0CGD3	11F1A8094699F1B81030
078404129A1555	095/84	0951538095/1538C0104095/1531095/153719	37.0082	05.2CGD7	18 57.0094	49.0CGD8	10F1A8094699F1B81006
078404129A1357	095/84	0951356095/1355S0104095/1346095/135119	35.2082	03.3CGD7	22 32.9095	22.4CGD8	07F1A8094699F1B80980
078404129A1245	095/84	0951243095/1210S0104095/1206095/120919	32.2082	02.9CGD7	11 41.3047	28.2CGD7	05F1A8094699F1B80974
078404129A1239	095/84	0951238095/093AC0201095/0813095/082919	33.3082	03.4CGD7	18 14.1054	30.4CGD7	06F1A8094699F1B80960

078404129A1417	094/84	0941415094/1415S0101094/1407094/141319	25.0081	45.7CGD7	24	47.1106	00.5MEXICO	12F1B8014199F1B80809
078404129A1233	094/84	0941231094/1231S0101094/1227094/123019	25.5081	48.5CGD7	14	04.8058	09.7CGD7	15F1B8014199F1B80797
078404201A0847	099/84	0990845099/0839C0201099/0823099/083824	45.7078	02.3CGD7	24	36.7075	37.6CGD7	99F1A8174015F1A81461
078404201A0332	099/84	0990330099/0330C0104099/0308099/032525	32.0090	44.4CGD8	24	37.3075	40.8CGD7	99F1A8168817F1A81461
078404201A0151	099/84	0990149099/0149S0104099/0132099/014617	28.1108	20.0CGD11	24	41.3075	48.0CGD7	99F1A8165822F1A81461
078404201A0042	099/84	0990041099/0033S0101098/2352099/000927	52.1060	41.3CGD3	24	39.3075	23.3CGD7	21F1A8164005F1A81461
078404201A0030	099/84	0990029099/0029S0104098/2352099/000927	36.4060	25.4CGD3	24	18.3075	35.7CGD7	99F1A8164012F1B81622
078404201A2157	098/84	0982155098/2119C0201098/2047098/210722	40.9100	28.5MEXICO	24	06.8075	30.0CGD7	99F1A8162199F1B81622
078404201A2156	098/84	0982152098/2102C0204098/2047098/205623	16.7100	26.4MEXICO	24	37.8075	36.6CGD7	99F1A8161213F1A81461
078404201A1548	098/84	0981546098/1546C0104098/1529098/153922	49.6111	12.2CGD11	24	46.8075	36.3CGD7	99F1A8158411F1A81461
078404201A1426	098/84	0981425098/1424S0102098/1419098/142333	08.6115	42.6AFRCC	24	29.2075	34.2CGD7	99F1A8157418F1A81461
078404201A1253	098/84	0981247098/1246S0101098/1239098/124522	52.3067	26.8CGD7	24	40.5075	45.3CGD7	99F1A8156219F1A81461
078404274A0351	102/84	1020350102/0350C0101102/0309102/033227	56.5082	46.7CGD7	28	36.6093	10.2CGD8	14F2A8218099F1B82311
078404274A0246	102/84	1020245102/0245S0102102/0208102/022927	50.5082	39.0CGD7	19	27.4120	28.9CGD11	22F2A8218099F2B82303
078404274A0117	102/84	1020117102/0116S0110102/0028102/002830	06.5072	37.2CGD7	27	55.3082	49.4CGD7	99F2A8227612F2A82180
078404274A0203	101/84	1012042101/2042C0204101/2026101/203727	57.2082	52.2CGD7	27	13.1094	26.4CGD8	09F2A8218099F1B82250
078404274A1516	101/84	1011515101/1515S0101101/1453101/151428	01.3083	01.8CGD7	36	35.9123	58.6CGD12	99F2A8218099F2B82181
078404274A1331	101/84	1011331101/1331S0101101/1314101/132926	39.6076	33.8CGD7	27	56.7082	34.6AFRCC	99F2A8215199F2B82152
078404274A1353	100/84	1001352100/1352S0104100/1335100/134727	58.3082	44.1CGD7	28	49.8086	45.6CGD8	15F2A8196799F2B81977
078404274A1208	100/84	1001208100/1207S0104100/1155100/120627	43.2082	48.4CGD7	18	10.3038	55.0CGD3	99F2A8196799F2B81968
078404692A1549	115/84	1151544115/1543S0110115/1452115/145224	40.8081	22.0CGD7	33	42.2125	50.6CGD12	99F1A8557616F1B85560
078404692A1500	115/84	1151459115/1459S0104115/1452115/145724	35.3081	51.5CGD7	33	56.4125	39.9CGD12	03F1A8540699F1B85560
078404692A1320	115/84	1151320115/1320S0104115/1312115/131823	39.3077	47.9CGD7	24	31.1081	46.7CGD7	99F1A8552403F1A85406
078404692A0855	115/84	1150856115/0856C0204115/0712115/072925	06.3091	24.2CGD8	24	30.6081	38.1CGD7	99F1A8548911F1A85406
078404692A0551	115/84	1150551115/0551C0204115/0527115/054224	34.6081	51.1CGD7	22	27.1039	40.30THER	03F1A8540699F1B85482
078404692A0310	115/84	1150306115/0306S0101115/0227115/024424	09.2081	48.7CGD7	13	36.0128	45.0CGD14	23F1A8540699F1B85453
078404692A0128	115/84	1150129115/0128S0110115/0047115/004724	40.1081	19.4CGD7	24	40.8081	14.3CGD7	99F1A8541604F1A85416
078404692A0124	115/84	1150124115/0124S0101115/0047115/010524	48.2080	22.2CGD7	24	22.3082	21.2CGD7	99F1A8541499F1B85415
078404692A0104	115/84	1150103115/0103S0104115/0047115/010124	32.5081	51.0CGD7	24	45.3080	51.3CGD7	99F1A8540699F1B85407
078405826A1411	150/84	1501407150/1407S0101150/1357150/140419	22.4081	04.6CGD7	23	53.4101	42.7MEXICO	12F1A9446199F1B94580
078405826A1232	150/84	1501232150/1232S0110150/1217150/121713	10.6053	32.4CGD7	19	29.4081	31.9CGD7	99F1A9456814F1A94461
078406107A0144	160/84	1600143160/0132S0101160/0115160/012928	17.5080	38.6CGD7	24	49.6096	54.0CGD8	11F1A9718299F1B97192
078406107A0140	160/84	1600140160/0045C0201160/0029160/004428	12.1080	27.5CGD7	26	17.3045	29.9CGD3	99F1A9718299F1B97183
078406846A1709	182/84	1821710182/1710C0101182/1623182/162325	30.3053	13.0CGD3	26	51.5077	32.3CGD7	99F1A0293299F1B02933
078406846A1640	182/84	1821640182/1639C0101182/1623182/163726	33.4077	06.0CGD7	25	15.4053	41.1CGD3	06F1A0262499F1B02916
078406846A1432	182/84	1821433182/1433S0101182/1403182/141926	34.7077	15.3CGD7	32	34.3105	22.4AFRCC	14F1A0262499F2B02876
078406846A1235	182/84	1821235182/1235S0101182/1224182/122922	19.5057	49.5CGD3	26	33.4077	05.2CGD7	99F1A0284105F1A02624
078406846A0957	182/84	1820958182/0957C0201182/0943182/095526	35.4077	08.5CGD7	27	46.7056	19.3CGD3	09F1A0262499F1B02810
078406846A0452	182/84	1820453182/0453C0101182/0442182/045026	20.4077	10.3CGD7	26	40.3074	54.9CGD7	09F1A0262499F1B02749
078406846A0037	182/84	1820036182/0030S0101181/2359182/002426	32.0077	43.9CGD7	29	40.4062	18.4CGD3	23F1B0256099F2B02684
078406846A0033	182/84	1820033182/0026S0101181/2359182/002126	57.0079	31.1CGD7	30	57.3061	01.0CGD3	99F2A0267699F2B02677
078406846A0032	182/84	1820031182/0020S0101181/2359182/001826	44.4080	04.5CGD7	30	59.0060	26.5CGD3	99F2A0267299F2B02673
078406846A0030	182/84	1820030182/0018S0101181/2359182/001326	31.3077	04.1CGD7	29	34.3062	59.1CGD3	04F1A0262499F1B02675
078406846A2258	181/84	1812259181/2258C0201181/2238181/225626	33.0076	59.0CGD7	26	00.4068	22.3CGD7	99F1A0262499F1B02625
078408062A0618	215/84	2150618215/0618C0201215/0603215/061631	45.1053	21.6CGD3	29	48.6083	52.4CGD7	99F1A3946318F1B39391
078408062A0127	215/84	2150128215/0127C0110215/0105215/010530	09.9073	41.0CGD7	29	32.9083	40.1CGD7	99F1A3939099F1B39391
078408612A0513	231/84	2310512231/0512C0210231/0454231/045425	05.6077	14.1CGD7	24	58.9079	11.2CGD7	04F1A4350599F1B43530
078408612A0330	231/84	2310320231/0320C0210231/0308231/030824	46.8077	07.9CGD7	27	13.5025	20.40THER	24F1A4350599F1B43523
078408612A0138	231/84	2310138231/0138C0110230/2354230/235425	09.8077	16.2CGD7	24	04.2097	36.6CGD5	99F1A4350599F1B43506
078408780A1746	235/84	2351740235/1740C0201235/1636235/170615	44.5084	57.60THER	14	54.2067	43.6CGD7	24F1A4479899F1B44805
078408780A1745	235/84	2351738235/1735C0210235/1639235/163927	41.1083	38.2CGD7	26	46.1067	38.0CGD7	99F1A4480299F1B44803
078408780A1744	235/84	2351736235/1732C0210235/1636235/163615	25.2085	12.80THER	14	33.2067	25.0CGD7	99F1A4479899F1B44799
078408780A1743	235/84	2351735235/1731C0201235/1639235/170326	56.7084	07.9CGD7	25	53.5067	12.1CGD7	99F1A4479699F1B44797
078408780A1726	235/84	2351727235/1727C0204235/1636235/170216	22.3060	20.7CGD7	17	50.3092	28.60THER	99F1A4479299F1B44793
078408780A1725	235/84	2351725235/1724C0204235/1639235/170026	08.6070	21.0CGD7	26	48.1080	54.3AFRCC	99F1A4479099F1B44791
078408780A1715	235/84	2351716235/1716C0204235/1639235/165826	46.8081	32.5AFRCC	26	02.5069	43.8CGD7	99F1A4478499F1B44785
078408780A1709	235/84	2351710235/1710C0204235/1637235/165819	19.5092	11.4CGD8	17	50.0060	32.3CGD7	12F1B4433399F1B44783
078408780A1659	235/84	2351659235/1659C0201235/1636235/165614	39.8068	18.0CGD7	15	27.1084	24.70THER	99F1A4478099F1B44781
078408792A1624	237/84	2371625237/1625C0210237/1551237/155126	36.5078	21.4CGD7	25	20.3055	58.2CGD3	20F1A4522999F1B45338
078408792A1151	237/84	2371152237/1151C0104237/1133237/114926	38.9077	57.8CGD7	27	42.1095	51.6CGD8	00F1A4522999F1B45280
078408792A1005	237/84	2371006237/1006C0104237/0947237/100326	39.2077	57.2CGD7	24	48.4043	36.8CGD3	01F1A4522999F1B45274
078408792A0733	237/84	2370734237/0734C0304237/0719237/072926	39.4077	57.5CGD7	26	28.0081	07.1AFRCC	99F1A4522999F1B45230
078408978A1938	241/84	2411940241/1939C0210241/0236241/023627	25.0078	54.1CGD7	29	19.7043	14.0CGD3	99F1A4664799F1B46648
078408978A1045	241/84	2411046241/1046C0110241/1022241/102227	24.6078	56.8CGD7	27	02.9072	45.1CGD7	03F1A4644799F1B46537
078408978A0748	241/84	2410750241/0749C0310241/0730241/073027	26.3078	56.3CGD7	26	17.5099	23.3MEXICO	02F1A4644799F1B46501
078408978A0610	241/84	2410612241/0612C0310241/0545241/054527	23.2073	51.9CGD7	29	10.3046	32.4CGD3	02F1A4644799F1B46489

078408978A0434 241/84	2410436241/0436C0210241/0422241/042227	24.9078	56.6CGD7	26	26.2096	16.4CGD8	03F1A4644799F1B46460
078409640A0552 262/84	2620551262/0550C0310262/0526262/052624	55.9109	33.4CGD11	26	38.2077	57.7CGD7	99F1A5228905F1A52130
078409640A0221 262/84	2620221262/0221C0210262/0203262/020326	36.0077	53.1CGD7	25	21.8099	28.0MEXICO	02F1A5213099F1B52243
078409640A0026 262/84	2620027262/0026C0201262/0017262/002326	36.2077	53.5CGD7	28	18.6046	43.8CGD3	02F1A5213099F1B52214
078409640A2108 261/84	2612105261/2105C0104261/2052261/210026	42.4077	44.8CGD7	24	45.5112	24.6CGD11	07F1A5213099F1B52175
078409640A1930 261/84	2611929261/1916C0101261/1907261/191427	38.3060	10.0CGD3	26	37.1077	54.7CGD7	99F1A5214402F1A52130
078409640A1923 261/84	2611923261/1836C0304261/1821261/183526	37.9077	52.0CGD7	29	05.6123	00.0CGD11	99F1A5213099F1B52131
088400023R12-NOV-84 09:19 AM	317/1513C0101317/1451317/145927	51.9089	59.2CGD8	26	33.1111	56.50THER	06F1B6485399F1B65038
088400023R12-NOV-84 07:43 AM	317/1338C0110317/1305317/130529	41.6058	56.7CGD3	27	59.1090	12.3CGD8	99F1A6501313F1B64853
088400023R12-NOV-84 05:44 AM	317/1053C0304317/1027317/104327	56.3090	11.2CGD8	26	34.1065	06.8CGD3	12F1B6485399F1B64972
088400023R12-NOV-84 07:13 AM	317/1253C0304317/1213317/123027	57.0090	02.9CGD8	29	31.7117	57.9CGD11	95F1B6485399F1B64999
088400023A0105 317/84	3170104316/2304C0304316/2248316/225626	02.2088	41.0CGD8	27	57.5089	57.0CGD8	99F1A6485299F1B64853
088400029R29-OCT-84 11:00 AM	303/1541C0104303/1528303/153729	16.2083	41.1CGD7	28	53.5089	31.6CGD8	99F1A6179499F1B61795
088400029R29-OCT-84 07:09 AM	303/1244C0304303/1226303/124028	49.3089	59.4CGD8	27	58.9076	12.3CGD7	08F1A6165999F1B61744
088400029R29-OCT-84 04:51 AM	303/1046C0202303/1018303/103328	50.4090	06.8CGD8	29	40.2103	36.4AFRCC	10F1A6165999F1B61720
088400029R29-OCT-84 04:46 AM	303/1036C0210303/0833303/083328	17.3090	14.2CGD8	26	11.3051	57.6CGD3	26F1A6165999F1B61715
088400029R29-OCT-84 12:41 AM	303/0452C0110303/0421303/042128	38.7089	37.8CGD8	28	52.0093	08.9CGD8	21F1A6165999F1B61663
088400029R29-OCT-84 12:40 AM	303/0440C0104303/0421303/043528	41.4090	01.8CGD8	28	51.7092	39.5CGD8	99F1A6165999F1B61660
088400029R29-OCT-84 11:01 AM	303/1546C0104303/1528303/153729	20.1084	53.1CGD8	29	06.1088	27.5CGD8	99F1A6179899F1B61799
088400031R24-NOV-84 07:33 AM	329/1311C0104329/1304329/131128	06.0097	08.5AFRCC	28	23.5092	30.5CGD8	09F1B6764399F1B67748
088400031R23-NOV-84 06:13 PM	328/2152C0301328/2138328/214728	26.9090	56.5CGD8	28	23.8092	13.3CGD8	99F1A6761919F1A67505
088400031R23-NOV-84 03:22 PM	328/1923C0202328/1911328/191218	22.2092	42.2CGD8	27	20.0109	45.8MEXICO	05F1A6750599F1B67580
088400031R23-NOV-84 06:04 AM	328/1104C0302328/1032328/104328	54.9102	35.2MEXICO	28	18.4092	34.4CGD8	99F1A6752706F1A67505
088400031R23-NOV-84 12:07 PM	328/1736C0201328/1726328/173428	18.5092	38.2CGD8	30	25.6056	38.6CGD3	05F1A6750599F1B67552
088400031R23-NOV-84 06:02 AM	328/1054C0202328/0807328/082028	21.3092	36.8CGD8	30	10.9121	54.0CGD11	03F1A6750599F1B67520
088400031R23-NOV-84 05:55 AM	328/1041C0301328/0847328/090028	23.5092	36.0CGD8	26	10.9051	04.4CGD3	99F1A6750599F1B67506
088400031R22-NOV-84 05:25 PM	327/2303C0301327/2253327/230128	25.2092	31.6CGD8	26	32.9125	26.8CGD11	20F1A6722499F1B67449
088400031R22-NOV-84 03:40 PM	327/2123C0301327/2108327/211828	24.9092	30.9CGD8	29	38.0073	27.1CGD7	99F1A6722499F1B67435
088400031R22-NOV-84 12:51 PM	327/1847C0202327/1843327/184628	27.9091	48.7CGD8	28	21.8093	28.9CGD8	17F1A6722499F1B67399
088400031R22-NOV-84 01:12 PM	327/1902C0201327/1843327/185228	17.4093	54.7CGD8	28	28.2091	08.9CGD8	23F1B6739999F1B67407
088400031R22-NOV-84 01:05 PM	327/1856C0210327/1843327/184328	23.7092	57.2CGD8	28	26.4092	12.9CGD8	99F1A6740303F1A67224
088400031R22-NOV-84 08:08 AM	327/1346C0102327/1339327/134528	26.8092	24.6CGD8	27	31.9107	59.6MEXICO	14F1A6722499F1B67367
088400031R22-NOV-84 05:45 AM	327/1024C0304327/1003327/101828	20.1092	03.7CGD8	27	54.5085	08.3CGD8	05F1A6722499F1B67317
088400031R22-NOV-84 04:38 AM	327/0801C0202327/0738327/075029	13.0103	56.8MEXICO	28	30.8092	22.7CGD8	99F1A6726614F1A67224
088400031R22-NOV-84 04:12 AM	327/0640C0210327/0553327/055328	32.6092	15.5CGD8	26	13.2052	36.9CGD3	10F1A6722499F1B67263
088400031A0311 327/84	3270309327/0309C0110327/0231327/023128	24.0092	09.2CGD8	29	53.1118	08.7CGD11	99F1A6722499F1B67225
088400031R22-NOV-84 06:26 AM	327/1206C0302327/1149327/120128	35.9092	27.5CGD8	31	09.8138	34.0CGD12	11F1A6724099F1B67340
088400031R22-NOV-84 06:29 AM	327/1221C0101327/1153327/120330	55.9054	26.2CGD3	28	38.5092	30.2CGD8	99F1A6735208F1A67240
088400031R22-NOV-84 05:52 AM	327/1039C0310327/1003327/100328	04.3084	37.7CGD8	28	32.3092	28.1CGD8	99F1A6733215F1A67240
088400031R22-NOV-84 03:24 AM	327/0611C0201327/0553327/060928	47.3092	30.7CGD8	26	33.8052	14.2CGD3	99F1A6724099F1B67241
088400031R22-NOV-84 05:47 AM	327/1027C0301327/1003327/101928	08.2091	41.3CGD8	27	45.1085	30.8CGD8	26F1A6720922F1B67317
088400031A0252 327/84	3270251327/0251C0104327/0232327/024528	21.5091	14.7CGD8	29	57.1119	16.2CGD11	99F1A6720999F1B67210
088400044R29-JAN-84 12:26 PM	029/1820C0210029/1718029/171825	30.1090	10.8CGD8	25	30.1090	16.4CGD8	99F1A6532104F1A65321
088400047A0035 039/84	0390033039/0033S0104038/2349039/000928	58.1088	37.6CGD8	37	11.3049	16.0CGD3	14F1A6750399F2B67544
088400047A0154 039/84	0390152039/0152S0101039/0128039/014227	04.8097	00.1CGD8	28	53.5088	27.0CGD8	99F1A6756624F1A67503
088400047A0350 039/84	0390344039/0343C0210039/0324039/032426	43.4088	34.1CGD8	29	14.3081	28.1AFRCC	24F1A6750399F1B67600
088400047R07-FEB-84 08:07 PM	038/2107C0110038/2052038/205229	07.6088	50.2CGD8	31	00.8056	19.2CGD3	99F1A6750399F1B67504
088400052R20-NOV-84 09:26 AM	325/1443C0101325/1415325/142326	18.0115	09.9CGD11	27	28.9096	05.7CGD8	99F1A6697014F1A66855
088400052R20-NOV-84 08:34 AM	325/1420C0104325/1415325/141827	54.6097	05.9CGD8	26	55.9114	12.4CGD11	09F1B6680099F1B66951
088400052R20-NOV-84 07:12 AM	325/1250C0110325/1229325/122930	11.1060	42.6CGD3	28	11.0097	11.5CGD8	99F1A6693725F1B66800
088400052R20-NOV-84 12:50 AM	325/0332C0110325/0307325/030727	42.8096	07.1CGD8	29	21.5125	16.2CGD11	99F1A6685599F1B66856
088400052R20-NOV-84 06:06 AM	325/1105C0302325/1050325/110127	55.7097	22.4CGD8	27	52.4096	25.7CGD8	22F1B6680018F1A66855
088400052R20-NOV-84 04:55 AM	325/0841C0202325/0827325/083927	55.2097	05.6CGD8	29	06.4116	52.6CGD11	09F1B6680099F1B66880
088400052R20-NOV-84 04:37 AM	325/0732C0201325/0641325/065627	37.5096	41.2CGD8	25	47.7065	06.8CGD17J	18F1B6680099F1B66875
088400052R20-NOV-84 12:44 AM	325/0322C0104325/0307325/031927	54.2097	09.0CGD8	29	26.2124	14.4CGD11	10F1B6680099F1B66851
088400052R19-NOV-84 11:50 PM	325/0151C0110325/0121325/012127	52.1097	06.7CGD8	26	27.9071	41.5CGD7	08F1B6680099F1B66839
088400052R19-NOV-84 10:00 PM	324/2319C0304324/2311324/231526	27.9120	05.9CGD11	27	49.4096	58.2CGD8	99F1A6679999F1B66800
088400057R06-MAR-84 12:30 PM	066/1822C0110066/1752066/175230	42.4057	34.4CGD3	28	40.3093	06.3CGD8	99F1A7436912F1A74245
088400057R06-MAR-84 08:19 AM	066/1401C0202066/1348066/135928	37.2093	22.4CGD8	29	33.0108	39.2MEXICO	06F1A7424599F1B74287
088400057R06-MAR-84 03:07 PM	066/2034C0104066/1938066/194528	41.1093	05.7CGD8	27	37.2110	57.7CGD11	12F1A7424599F1B74391
088400069R05-APR-84 08:21 AM	096/1102C0201096/1029096/105227	51.6091	05.8CGD8	29	15.9114	46.0CGD11	05F1A8117099F1B81172
088400069R05-APR-84 06:33 AM	096/0948C0204096/0844096/090227	54.8091	11.4CGD8	26	15.0062	18.2CGD3	99F1A8117099F1B81171
088400069R04-APR-84 10:02 PM	096/0337C0104096/0309096/033528	46.2091	34.8CGD8	26	36.5064	49.6CGD3	99F1A8117799F1B81118
088400080R20-APR-84 02:59 AM	111/0747C0210111/0705111/070528	02.9090	38.7CGD8	27	12.2064	23.7CGD3	15F1B8435999F1B84483
088400080R20-APR-84 04:32 AM	111/0905C0202111/0850111/090328	41.0090	44.3CGD8	30	15.2116	49.3CGD11	18F1B8435918F1A84446
088400080R19-APR-84 11:23 PM	111/0113S0104111/0035111/004933	10.3068	49.3CGD3	28	32.8090	31.7CGD8	99F1A8439905F1B84359

088400080R20-APR-84	12:08 AM	111/0333CD102111/0308111/032430	05.6116	30.1CGD11	28	33.4090	07.2CGD8	99F1A8444616F1B84359
088400080R19-APR-84	10:14 AM	110/1553CD102110/1526110/153628	34.0090	59.4CGD8	26	06.0136	04.5CGD12	11F1A8376399F1B84335
088400080R19-APR-84	09:22 AM	110/1512SD101110/1459110/151028	33.6090	55.0CGD8	34	31.3119	16.6AFRCC	14F1A8376399F1B84311
088400080R19-APR-84	07:53 AM	110/1340SD110110/1320110/132028	33.2090	58.0CGD8	24	18.5071	30.1CGD7	11F1A8376399F1B84285
088400080R19-APR-84	03:11 AM	110/0836CD202110/0821110/083328	31.9091	03.7CGD8	28	58.2098	19.8AFRCC	08F1A8376399F1B84260
088400080R19-APR-84	02:45 AM	110/0739CD210110/0636110/063628	33.7091	18.1CGD8	26	16.3046	50.9CGD3	12F1A8376399F1B84234
088400080R18-APR-84	09:26 PM	110/0112SD104110/0056110/010928	25.2091	13.2CGD8	31	08.2078	18.5CGD7	04F1A8376399F1B84152
088400080R18-APR-84	07:23 PM	109/2054CD204109/2043109/204728	22.9091	25.0CGD8	26	46.0121	31.8CGD11	15F1A8376399F1B84122
088400080R18-APR-84	05:57 PM	109/1928CD204109/1858109/191228	21.9091	17.4CGD8	29	41.9069	11.8CGD3	08F1A8376310F1B84107
088400080R18-APR-84	05:27 PM	109/1530SD101109/1521109/152836	11.0129	14.0CGD12	28	24.8091	27.1CGD8	99F1A8409616F1A83763
088400080R18-APR-84	09:14 AM	109/1353SD104109/1341109/134928	17.4091	19.2CGD8	26	11.9081	36.4AFRCC	12F1A8376308F1A84086
088400080R18-APR-84	08:27 AM	109/0954CD204109/0939109/095128	25.0091	21.0CGD8	30	38.2133	48.1CGD12	11F1A8376399F1B84071
088400080R18-APR-84	07:55 AM	109/0819CD210109/0753109/075328	15.2091	13.5CGD8	27	38.0080	45.3CGD7	11F1A8376315F1B84056
088400080R18-APR-84	03:19 AM	109/0418CD104109/0343109/035728	40.1091	22.6CGD8	30	42.8126	16.5CGD12	19F1A8376399F1B84018
088400080R18-APR-84	02:44 AM	109/0323CD101109/0157109/021227	06.6073	13.8CGD7	28	12.1091	12.4CGD8	13F1A8398913F1A83763
088400080R18-APR-84	02:15 AM	109/0307SD110109/0118109/011828	49.2089	02.9CGD8	28	26.2090	50.1CGD8	99F2A8398415F1A83763
088400080R18-APR-84	12:47 AM	109/0154SD101109/0118109/013228	17.0091	16.3CGD8	28	51.4088	33.8CGD8	10F1A8376318F1B83963
088400080A1426 108/84		1081426108/1426SD110108/1403108/140328	17.3090	53.7CGD8	28	36.5092	23.0CGD8	14F1A8376399F1B83777
088400080A1435 108/84		1081434108/1434SD104108/1403108/141028	28.2091	42.9CGD8	28	22.8091	17.4CGD8	23F1A8340408F1A83763
088400080R18-APR-84	11:42 AM	109/1546SD102109/1521109/153728	23.8091	32.0CGD8	36	11.2129	11.9CGD12	13F1A8380310F1A84096
088400080R18-APR-84	09:14 AM	109/1350SD104109/1341109/134826	11.1081	27.1AFRCC	28	20.5091	27.7CGD8	99F1A8408616F1A83803
088400080R18-APR-84	07:55 AM	109/0816CD210109/0753109/075328	19.4091	30.0CGD8	27	40.2080	27.8CGD7	14F1A8380399F1B84056
088400080R18-APR-84	03:21 AM	109/0434CD102109/0343109/035928	28.5091	31.1CGD8	30	41.8126	14.2CGD12	17F1A8380302F1B84018
088400080R18-APR-84	03:09 AM	109/0350SD101109/0258109/031018	17.6136	05.7CGD14	28	07.4091	35.8CGD8	99F1A8400814F1A83803
088400080R18-APR-84	03:01 AM	109/0330CD104109/0157109/021327	07.7072	59.7CGD7	28	20.9091	28.4CGD8	17F1A8398914F1A83803
088400080R18-APR-84	12:44 AM	109/0140SD104109/0118109/013028	18.1091	36.1CGD8	29	00.5088	15.3CGD8	08F1A8380399F1B83963
088400081R20-APR-84	01:27 PM	111/1429CD102111/1415111/142327	51.4105	37.6MEXICO	28	44.0090	52.2CGD8	99F1A8455626F1B84359
088400086A1830 102/84		1251828125/1828CD210125/1747125/174728	42.3091	47.3CGD8	28	55.1088	31.4CGD8	14F1B8847599F1B88551
088400086A1813 102/84		1251809125/1809CD210125/1747125/174728	59.5089	12.9CGD8	28	52.9090	57.5CGD8	99F1A8854802F1B88401
088400086A1835 102/84		1251834125/1834CD210125/1746125/174629	54.7091	08.8AFRCC	30	01.0089	27.5CGD8	99F1A8855416F1A88407
088400086R04-MAY-84	11:57 AM	125/1449SD104125/1436125/144228	59.5091	24.7CGD8	32	17.4107	07.7AFRCC	13F1A8828999F1B88459
088400086R04-MAY-84	07:55 AM	125/1248CD110125/1152125/115230	00.4081	18.8CGD7	29	20.6091	52.1CGD8	99F1A8841419F1B88289
088400086R04-MAY-84	07:26 AM	125/1221CD110125/1152125/115228	52.7091	24.2CGD8	29	33.2081	44.3AFRCC	16F1A8829519F1A88400
088400086R04-MAY-84	03:58 AM	125/0801CD202125/0642125/065728	50.1091	28.8CGD8	29	20.1099	39.3AFRCC	13F1A8829599F1B88316
088400086R04-MAY-84	03:53 AM	125/0736CD201125/0457125/052528	36.6091	26.0CGD8	26	11.6048	29.1CGD3	99F1A8829599F1B88296
088400086R04-MAY-84	03:52 AM	125/0723CD210125/0457125/045729	11.8091	31.9CGD8	26	52.2048	18.6CGN3	99F1A8828999F1B88290
088400087R25-DEC-84	02:03 AM	360/0759CD302360/0647360/065827	55.5095	12.5CGD8	28	02.3097	05.3AFRCC	99F1A7340306F1B73296
088400087A1212 104/84		1271211127/1211CD110127/1117127/111729	04.7090	07.8CGD8	30	14.1071	55.4CGD7	03F1A8892499F1B88977
088400087A1128 104/84		1271128127/1127CD110127/1117127/111729	36.5071	52.4CGD7	28	29.2090	07.0CGD8	99F1A8895306F1B88825
088400087R05-MAY-84	09:22 PM	127/0149SD104127/0129127/014228	24.3090	01.1CGD8	27	19.3095	03.1CGD8	03F1B8882599F1B88841
088400087A0704 103/84		1260703126/0703CD210126/0525126/052528	27.8090	02.9CGD8	27	00.4066	31.0CGD7	99F1A8865999F1B88660
088400087R05-MAY-84	08:32 PM	127/0100CD104127/0009127/002827	52.4081	41.2AFRCC	28	23.3090	04.6CGD8	99F1A8882499F1B88825
088400087R06-MAY-84	02:22 AM	127/0641CD210127/0553127/055328	23.7089	54.4CGD8	28	02.5084	03.2CGD7	09F1B8882599F1B88901
088400091R11-MAY-84	09:28 PM	133/0023CD102133/0008133/002129	35.6099	07.2AFRCC	29	11.6092	31.9CGD8	99F1A9007899F1B90079
088400091R11-MAY-84	10:05 PM	133/0116SD104133/0100133/011231	55.9079	01.3CGD7	29	07.1092	26.6CGD8	99F1A9010106F1B90079
088400107R03-JUN-84	03:54 PM	155/2047CD110155/1959155/195930	14.4087	59.1CGD8	28	23.4057	59.5CGD3	07F2A9567499F1B95944
088400107A1800 155/84		1551800155/1800CD210155/1427155/142730	17.2088	18.9CGD8	29	49.9095	33.6AFRCC	11F2A9567499F1B95853
088400107R03-JUN-84	06:39 AM	155/1102CD101155/0816155/082830	15.0088	11.7CGD8	30	48.2079	52.2CGD7	05F2A9567499F1B95748
088400107R03-JUN-84	12:03 AM	155/0431SD101155/0124155/014830	12.0088	06.6CGD8	28	43.6095	07.8CGD8	99F2A9567499F2B95675
088400107R22-FEB-84	12:35 PM	053/1557CD201053/1439053/145827	42.0097	12.3CGD8	26	58.9085	54.3CGD8	23F1A7111399F1B71116
088400107R22-FEB-84	11:58 AM	053/1547CD204053/1439053/145827	50.9096	47.7CGD8	27	13.3086	22.0CGD8	99F1A7111399F1B71114
088400107R21-FEB-84	11:30 PM	053/0328CD210053/0301053/030127	36.8111	02.2CGD11	28	32.0095	38.4CGD8	99F1A7097302F1A70935
088400107R21-FEB-84	08:34 PM	053/0205SD101053/0127053/014028	35.1095	57.8CGD8	30	02.1089	05.4CGD8	17F1A7093599F1B70948
088400108R22-FEB-84	12:03 PM	053/1552CD204053/1440053/145629	47.5093	25.4CGD8	29	30.8089	14.4CGD8	18F1B7102021F1B71105
088400108R22-FEB-84	12:05 PM	053/1554CD201053/1440053/145729	48.5093	22.5CGD8	29	32.2089	16.8CGD8	17F1B7102099F1B71115
088400108D02:22:15:50:49		053/1420SD104053/1350053/140627	43.8083	45.8CGD7	29	43.3093	08.0CGD8	99F2A7107403F1B71020
088400108R22-FEB-84	11:30 AM	053/1530CD202053/1440053/145129	48.6093	46.2CGD8	29	29.8088	48.9CGD8	24F1A7103499F1B71105
088400108R21-FEB-84	08:17 PM	053/0158SD102053/0127053/013929	44.8093	29.3CGD8	30	05.7091	51.2AFRCC	99F1A7094418F1B70907
088400108R21-FEB-84	10:29 PM	053/0308CD204053/0300053/030629	42.8093	12.8CGD8	28	27.9113	22.70THER	14F1A7094499F1B70964
088400108R22-FEB-84	04:11 AM	053/1002CD104053/0943053/095731	00.5112	16.9MEXICO	29	43.8093	04.4CGD8	99F1A7101999F1B71020
088400113R09-JUN-84	08:48 PM	162/0057SD104162/0032162/004725	26.5086	07.5CGD8	28	55.2070	00.5CGD7	99F1A9776199F1B97762
088400113R09-JUN-84	03:42 PM	161/2036CD101161/1957161/201925	51.5087	14.5CGD8	25	22.3078	48.6CGD7	99F1A9766899F1B97669
088400113R09-JUN-84	08:48 PM	162/0057SD104162/0032162/004725	26.5086	07.5CGD8	28	55.2070	00.5CGD7	99F1A9776199F1B97762
088400113R10-JUN-84	12:45 AM	162/0233SD101162/0212162/022625	17.9085	49.1CGD8	18	09.0118	06.7CGD11	19F1A9776199F1B97832
088400113R10-JUN-84	12:41 AM	162/0154CD204162/0125162/014525	20.6085	55.0CGD8	24	42.9075	08.4CGD7	12F1A9776199F1B97806
088400117R28-FEB-84	02:32 AM	059/0826CD101059/0756059/081528	20.6092	34.1CGD8	27	33.3080	18.9CGD7	02F1B7180099F1B72578

088400117R27-FEB-84 11:01 PM	059/0254C0201059/0221059/024226	49.0114	13.9CGD11	28	09.0092	54.0CGD8	14F1A7251421F1B71800
088400117R27-FEB-84 11:00 PM	059/0241C0204059/0221059/023026	36.8114	22.3CGD11	27	49.5092	36.9CGD8	99F1A7251499F1B72515
088400117R27-FEB-84 10:55 PM	059/0146S0101059/0057059/012428	06.7092	30.4CGD8	31	12.1077	49.6CGD7	16F1B7180099F1B72480
088400117R27-FEB-84 07:56 PM	059/0101C0204059/0036059/005828	20.9092	31.1CGD8	30	10.3061	33.8CGD3	03F1B7180099F1B72458
088400117R27-FEB-84 06:45 PM	058/2027C0110058/2015058/201528	13.4092	31.6CGD8	27	38.2102	31.1MEXICO	10F1B7180099F1B72394
088400117R27-FEB-84 03:22 PM	058/1844C0110058/1829058/182928	19.1092	42.3CGD8	30	47.8048	19.4CGD3	07F1B7180099F1B72374
088400117R27-FEB-84 08:05 AM	058/1353S0110058/1342058/134228	15.0092	42.4CGD8	25	45.5081	08.4AFRCC	10F1B7180099F1B72343
088400117R27-FEB-84 03:53 AM	058/0927C0101058/0907058/092528	19.4092	28.8CGD8	29	35.0112	18.8MEXICO	06F1B7180099F1B72321
088400117R27-FEB-84 01:49 AM	058/0743C0101058/0721058/074228	18.8092	33.4CGD8	26	27.5060	06.7CGD3	04F1B7180099F1B72299
088400117R26-FEB-84 07:57 PM	058/0144S0101058/0119058/013329	14.5088	08.7CGD8	28	18.5092	34.2CGD8	99F1A7222404F1B71800
088400117R26-FEB-84 02:29 PM	057/2025C0110057/1940057/194028	59.6081	25.1AFRCC	28	20.0092	45.5CGD8	99F1A7215710F1B71800
088400117R26-FEB-84 10:02 AM	057/1517C0210057/1448057/144828	18.7092	34.8CGD8	29	15.1108	25.0MEXICO	03F1B7180099F1B72104
088400117R26-FEB-84 09:55 AM	057/1458S0110057/1404057/140428	02.7092	11.0CGD8	27	55.1092	14.2CGD8	25F1B7202899F1B72091
088400117R26-FEB-84 09:08 AM	057/1431S0110057/1404057/140428	24.9092	56.9CGD8	28	02.2091	11.9CGD8	19F1B7180099F1B72072
088400117R26-FEB-84 08:35 AM	057/1411S0110057/1404057/140428	04.5091	24.9CGD8	28	21.3092	42.5CGD8	19F1B7202807F1B71800
088400117R26-FEB-84 07:33 AM	057/1327C0210057/1303057/130328	18.4092	33.1CGD8	26	20.1056	42.8CGD3	05F1B7180099F1B72059
088400117R26-FEB-84 03:07 AM	057/0857C0101057/0832057/085528	18.9092	30.9CGD8	28	13.8091	45.0CGD8	05F1B7180099F1B72028
088400117R25-FEB-84 09:25 PM	057/0321C0201057/0309057/031928	19.4092	37.9CGD8	26	11.2130	59.9CGD11	04F1B7180099F1B71977
088400117R25-FEB-84 08:07 PM	057/0159S0101057/0140057/015428	18.4092	35.6CGD8	27	03.7098	27.8AFRCC	04F1B7180099F1B71947
088400117R25-FEB-84 04:10 PM	056/2100C0110056/2050056/205028	25.6092	32.6CGD8	27	15.1113	17.0OTHER	03F1B7180099F1B71882
088400123R10-FEB-84 05:00 AM	041/1023C0104041/0944041/101527	10.7080	33.8AFRCC	27	27.4084	51.4CGD8	99F1A6816299F1B68163
088400123R10-FEB-84 05:05 AM	041/1029C0104041/0944041/101926	34.6080	28.4AFRCC	26	52.1085	02.2CGD8	99F1A6816899F1B68169
088400124R10-NOV-84 08:05 AM	315/1359C0101315/1341315/135029	15.6089	53.4CGD8	30	29.4070	24.2CGD3	08F1A6428599F1B64447
088400124R10-NOV-84 07:38 AM	315/1323C0302315/1300315/131931	57.8135	32.0CGD12	29	21.1089	56.7CGD8	99F1A6444006F1A64285
088400124R10-NOV-84 05:43 AM	315/1131C0304315/1114315/112928	41.9081	28.9AFRCC	29	14.7089	56.2CGD8	99F1A6441405F1A64285
088400124A0440 315/84	3150438315/0438C0101315/0420315/043229	13.0089	53.5CGD8	31	49.8134	09.6CGD12	07F1A6428599F1B64361
088400124A0304 315/84	3150259315/0259C0104315/0233315/024928	35.5079	59.6CGD7	29	14.6089	59.1CGD8	99F1A6434202F1A64285
088400124R10-NOV-84 05:02 AM	315/0912C0202315/0858315/091029	16.1089	56.7CGD8	30	11.9105	02.0MEXICO	04F1A6428599F1B64384
088400124R09-NOV-84 09:42 PM	314/2350C0304314/2336314/234329	16.9090	02.1CGD8	28	22.3105	09.0MEXICO	01F1A6428599F1B64320
088400124A0829 315/84	3150827315/0827C0201315/0713315/072620	16.1090	00.6CGD8	27	13.6053	20.0CGD3	02F1A6428599F1B64378
088400124R10-NOV-84 05:48 AM	315/1135C0304315/1114315/113025	05.0077	17.1CGD7	26	09.1094	54.8CGD8	11F1B6427099F1B64416
088400128R29-JAN-84 06:25 AM	029/1220C0101029/1132029/115229	51.9087	55.9CGD8	29	59.1089	47.9CGD8	99F1A6520199F1B65202
088400128R29-JAN-84 12:07 PM	029/1805C0204029/1719029/173830	05.0089	08.6CGD8	30	08.5089	52.6CGD8	99F1A6531410F1B65202
088400128R29-JAN-84 08:56 AM	029/1432S0104029/1407029/141729	59.5089	59.3CGD8	31	04.1095	05.3AFRCC	09F1B6520299F1B65254
088400129R30-JUN-84 12:38 AM	182/0500C0101182/0441182/045230	24.2086	28.8CGD8	31	45.1066	01.5CGD3	99F1A0275299F1B02753
088400129R30-JUN-84 02:00 AM	182/0635C0104182/0626182/063330	24.6086	30.3CGD8	28	29.0118	15.3CGD11	01F1A0275299F1B02776
088400129R30-JUN-84 07:39 AM	182/1139C0202182/1128182/113430	20.2086	34.7CGD8	29	29.4100	11.2AFRCC	06F1A0275299F1B02822
088400129R30-JUN-84 08:06 AM	182/1233S0101182/1223182/122921	58.2047	27.5CGD3	30	02.5086	34.4CGD8	99F1A0284021F1A02752
088400129R30-JUN-84 10:26 AM	182/1419S0101182/1403182/141230	21.9086	34.1CGD8	32	11.4095	14.1AFRCC	04F1A0275299F1B02867
088400129R30-JUN-84 12:01 PM	182/1657C0110182/1624182/162430	38.6086	20.6CGD8	12	12.5044	46.2CGD3	16F1A0275299F1B02927
088400129R01-JUL-84 01:55 AM	182/1825C0102182/1809182/182230	25.2086	19.9CGD8	31	03.1096	15.3AFRCC	07F1A0275299F1B02950
088400129R30-JUN-84 08:39 PM	182/2325C0201182/2307182/232330	24.3086	29.0CGD8	29	42.2075	57.2CGD7	00F1A0275299F1B03006
088400129R30-JUN-84 08:49 PM	183/0041S0110182/2340182/234038	35.2046	17.9CGD3	30	17.1086	32.0CGD8	99F1A0305207F1A02752
088400129R30-JUN-84 08:52 PM	183/0139S0104183/0119183/013130	23.8086	30.0CGD8	28	47.5094	10.4CGD8	01F1A0275299F1B03074
088400129R01-JUL-84 12:58 AM	183/0531C0110183/0516183/051630	24.4086	19.1CGD8	30	20.3087	21.1CGD8	08F1A0275299F1B03134
088400129R01-JUL-84 05:42 AM	183/1030C020183/1011183/101130	23.8086	31.8CGD8	31	45.2065	06.8CGD8	02F1A0275299F1B03208
088400129R01-JUL-84 07:21 AM	183/1214C0202183/1156183/120428	28.3117	12.6CGD11	30	20.5086	29.6CGD8	99F1A0323403F1A02752
088400129R01-JUL-84 09:15 AM	183/1402S0110183/1342183/134230	03.8084	55.7AFRCC	30	24.7086	33.7CGD8	99F1A0326504F1A02752
088400129R01-JUL-84 12:46 PM	183/1723C0110183/1659183/165930	26.7086	30.4CGD8	29	04.4064	43.7CGD3	03F1A0275299F1B03313
088400129R01-JUL-84 02:13 PM	183/1906C0110183/1845183/184532	19.0117	48.5CGD11	30	30.8086	05.2CGD8	99F1A0332421F1A02752
088400129R01-JUL-84 06:10 PM	183/2207C0204183/2151183/220430	35.1086	27.2CGD8	28	05.8042	29.6CGD3	11F1A0275299F1B03361
088400129R01-JUL-84 07:12 PM	183/2359C0201183/2336183/235130	24.7086	25.1CGD8	30	53.9093	34.4AFRCC	03F1A0275299F1B03387
088400129R01-JUL-84 11:31 PM	184/0418C0110184/0405184/040530	23.4086	29.3CGD8	32	24.2054	40.1CGD3	01F1A0275299F1B03426
088400129R02-JUL-84 01:46 AM	184/0634C0102184/0551184/060229	05.8107	48.6MEXICO	30	24.4086	28.9CGD8	99F1A0346700F1A02752
088400129A1335 184/84	1841337184/1336S0104184/1320184/133230	34.2086	49.2CGD8	27	56.2074	25.0CGD7	19F1A0275299F1B03579
088400130R03-JUL-84 08:21 PM	185/2258C0110185/1623185/162330	21.8086	29.0CGD8	28	29.1054	15.6CGD3	99F1A0395599F1B03966
088400130R03-JUL-84 08:42 AM	185/1323S0110185/1258185/125830	06.1086	20.1CGD8	25	20.7064	45.9CGD7	19F1A0275299F1B03899
088400130A1142 185/84	1851143185/1143C0210185/1108185/110830	21.8086	28.8CGD8	29	26.7100	30.2AFRCC	02F1A0275299F1B03875
088400130R03-JUL-84 05:06 AM	185/0949C0210185/0922185/092232	39.0047	05.4CGD3	30	12.3086	26.9CGD8	99F1A0384911F1A02752
088400130R02-JUL-84 08:12 PM	185/0018C0202185/0004185/001630	23.3086	28.1CGD8	32	03.4111	36.7AFRCC	01F1A0275299F1B03707
088400130R03-JUL-84 12:18 AM	185/0456C0110185/0440185/044031	04.4076	13.9CGD7	30	24.0086	33.6CGD8	99F1A0373504F1A02752
088400130R02-JUL-84 11:13 PM	185/0236S0102185/0216185/023530	28.2086	24.0CGD8	22	52.4121	12.6CGD11	05F1A0275299F1B03727
088400130R02-JUL-84 06:44 PM	184/2244C0201184/2219184/223528	40.6059	17.1CGD3	30	25.4086	26.9CGD8	99F1A0368502F1A02752
088400130R02-JUL-84 03:37 PM	184/1801C0101184/1734184/175130	25.3086	43.8CGD8	30	18.4084	59.8AFRCC	12F1A0275299F1B03652
088400155R25-MAR-84 08:40 AM	085/1426S0104085/1400085/141127	08.5087	27.5CGD8	28	37.3094	36.9CGD8	99F2A7833712F2A78151
088400155R25-MAR-84 10:27 AM	085/1614S0101085/1539085/155328	46.1094	30.2CGD8	37	19.7135	13.8CGD12	11F2A7815199F2B78385

088400155R25-MAR-84	03:09 AM	085/0842C0110085/0532085/053228	35.5094	40.7CGD8	28 35.0094	32.9CGD8	12F2A7815115F1A78134
088400155R24-MAR-84	08:30 PM	085/022250110085/0136085/013628	46.7094	00.0CGD8	28 45.5094	34.8CGD8	11F2A7817207F2A78151
088400155R24-MAR-84	07:53 PM	085/001750104084/2357085/001228	48.6094	43.0CGD8	38 36.9046	46.3CGD3	99F2A7815199F2B78152
088400155R24-MAR-84	02:53 PM	084/1216C0201084/1149084/121228	47.2094	48.4CGD8	29 48.6109	06.9MEXICO	99F1A7805999F1B78060
088400155R24-MAR-84	03:37 PM	084/142950102084/1421084/142729	14.1097	49.7AFRCC	28 32.3094	33.8CGD8	99F2A7807919F1A78059
088400176R29-SEP-84	08:10 PM	274/0058C0210274/0042274/004228	36.9091	05.5CGD8	28 47.4088	15.4CGD8	99F1A5540199F1B55402
088400176R29-SEP-84	10:43 PM	274/0242C0310274/0228274/022828	30.6091	23.7CGD8	30 49.7048	49.4CGD3	16F1A5540199F1B55430
088400176R29-SEP-84	10:44 PM	274/0244C0202274/0227274/024325	55.3139	13.9CGD14	28 36.1091	07.7CGD8	99F1A5543202F1A55401
088400176R29-SEP-84	11:38 PM	274/0426C0310274/0414274/041427	55.0102	43.5MEXICO	28 36.1091	12.6CGD8	99F1A5544706F1A55401
088400176R30-SEP-84	02:47 AM	274/0704C0101274/0646274/070228	35.7091	17.1CGD8	27 00.3065	21.7CGD3	09F1A5540199F1B55469
088400176R30-SEP-84	03:57 AM	274/0848C0102274/0832274/084628	35.2091	14.2CGD8	30 11.8118	25.2CGD11	07F1A5540199F1B55489
088400176R30-SEP-84	01:25 PM	274/1812C0110274/1753274/175330	39.5055	07.4CGD3	28 33.0090	49.2CGD8	99F1A5556715F1A55401
088400176R30-SEP-84	09:39 AM	274/1425C0202274/1406274/142330	24.5116	49.2CGD11	28 47.9091	21.4CGD8	99F1A5552517F1A55401
088400176R30-SEP-84	07:59 AM	274/1238C0201274/1220274/123628	36.0091	09.9CGD8	27 00.1064	50.3CGD3	03F1A5540199F1B55508
088400176R30-SEP-84	04:08 PM	274/1959C0102274/1939274/195428	29.4091	19.4CGD8	27 28.1107	58.4MEXICO	14F1A5540199F1B55591
088400176R30-SEP-84	06:47 PM	274/2337C0210274/2325274/232528	28.5091	21.9CGD8	30 43.1052	02.5CGD3	16F1A5540199F1B55606
088400176R30-SEP-84	08:39 PM	275/0120C0202275/0110275/011728	35.1091	14.8CGD8	27 42.8105	34.2MEXICO	08F1A5540199F1B55632
088400176R30-SEP-84	11:55 PM	275/0318C0310275/0258275/025828	35.8091	16.1CGD8	30 00.3067	45.6CGD3	08F1A5540199F1B55650
088400176R01-OCT-84	12:26 AM	275/0454C0301275/0443275/045228	34.4091	16.0CGD8	26 56.1120	01.6CGD11	09F1A5540199F1B55658
088400176R01-OCT-84	02:44 AM	275/0739C0101275/0721275/073728	34.7091	17.4CGD8	28 14.7086	00.1CGD8	09F1A5540199F1B55672
088400176R01-OCT-84	08:32 AM	275/1308C0201275/1249275/130628	35.2091	17.5CGD8	27 58.6081	45.4AFRCC	10F1A5540199F1B55705
088400178D03:07:13:58:06		067/1441C0210067/1417067/141729	20.8089	46.4CGD8	31 36.0130	25.8CGD12	23F1B7451699F1B25229
088400178R07-MAR-84	03:38 AM	067/0936C0104067/0720067/074529	48.1092	54.7CGD8	29 34.8089	24.3CGD8	12F1B7451399F1B74516
088400201R02-MAY-84	09:40 AM	123/1421S0101123/1339123/134725	51.5078	04.5CGD7	29 07.5093	22.0CGD8	99F1A877997F1B87719
088400201R02-MAY-84	08:13 AM	123/1237C0102123/1228123/123329	18.6091	11.7AFRCC	29 11.6093	02.5CGD8	99F1A8778617F1B87719
088400201R02-MAY-84	03:00 AM	123/0750C0204123/0730123/074629	12.0093	29.8CGD8	30 31.4115	09.10THER	14F1B8771999F1B87764
088400201R02-MAY-84	01:53 AM	123/0645C0201123/0545123/060029	08.6093	28.6CGD8	27 16.3063	05.7CGD3	11F1B8771999F1B87744
088400201R01-MAY-84	10:28 PM	123/0310S0101123/0256123/030620	31.0136	58.6CGD14	29 25.5093	23.1CGD8	99F1A8773425F1B87719
088400201R01-MAY-84	09:22 PM	123/0139S0104123/0116123/012830	34.8086	00.8AFRCC	29 01.0093	18.5CGD8	99F1A8771899F1B87719
088400201R02-MAY-84	08:12 AM	123/1234C0102123/1228123/123329	22.9090	13.9AFRCC	29 08.8094	01.7CGD8	99F1A8778509F1B87772
088400201R02-MAY-84	05:10 AM	123/0801C020123/0730123/075730	27.6113	58.7CGD11	29 15.9094	10.1CGD8	99F1A8777199F1B87772
088400214R02-APR-84	11:21 AM	093/1616C0101093/1603093/161529	15.7088	53.4CGD8	28 35.0100	14.5AFRCC	07F1A8056399F1B80651
088400214R01-APR-84	08:53 AM	093/1434S0102093/1426093/143229	08.0088	57.4CGD8	32 33.4105	07.5AFRCC	01F1A8056399F1B80639
088400214D04:02:11:05:23		093/1105C0202093/1049093/110330	47.5116	25.9CGD11	29 10.2088	58.8CGD8	99F1A8060102F1A80563
088400214R01-APR-84	11:41 PM	093/0531C0104093/0456093/051529	09.4088	55.9CGD8	30 22.2109	51.8MEXICO	99F1A8056399F1B80564
088400214R02-APR-84	03:29 AM	093/0924C0201093/0904093/092027	43.2063	57.0CGD3	29 09.5088	50.7CGD8	99F1A8059004F1A80563
088400214R01-APR-84	06:21 PM	092/2212C0204092/2125092/215228	59.5089	30.0CGD8	29 08.9086	59.4CGD8	99F1A8045899F1B80459
088400214R01-APR-84	09:59 AM	092/1542C0104092/1528092/153829	45.5079	25.0CGD7	29 08.7088	49.5CGD8	99F1A8037599F1B80376
088400248R26-APR-84	12:45 PM	117/1517S0104117/1408117/141930	22.1095	54.4AFRCC	28 58.5089	22.8CGD8	99F2A8602799F2B86028
088400250R08-JUN-84	12:00 AM	160/0218S0110160/0116160/011630	44.5082	32.6AFRCC	27 44.3096	28.2CGD8	99F1A9720999F1B97210
088400250R08-JUN-84	12:18 AM	160/0253C0204160/0214160/023126	50.6081	24.1AFRCC	27 45.3096	44.1CGD8	99F1A9722714F1B97210
088400250R08-JUN-84	12:29 AM	160/0316S0101160/0256160/030627	38.1096	24.8CGD8	20 07.6130	25.9CGD11	06F1B9721099F1B97246
088400250A0759 160/84		1600753160/0753C0110160/0741160/074127	36.2096	14.2CGD8	29 04.6070	14.1CGD7	14F1B9721099F1B97267
088400314A1801 155/84		1551801155/1801C0210155/1427155/142729	17.2088	47.8CGD8	28 54.5095	04.3CGD8	09F2A9584599F1B95654
088400314A1747 155/84		1551746155/1746S0110155/1347155/134729	08.2088	49.2CGD8	28 34.9086	13.9CGD8	99F2A9564599F2B95846
088400336R06-AUG-84	03:40 AM	219/0821C0210219/0757219/075729	21.7093	56.7CGD8	28 12.0114	18.0CGD11	14F1B4010799F1B40545
088400336R06-AUG-84	02:20 AM	219/0642C0210219/0612219/061229	23.6093	56.9CGD8	31 16.5061	06.6CGD3	12F1B4010799F1B40492
088400336R05-AUG-84	09:18 PM	219/0152C0102219/0140219/014829	16.8094	42.7CGD8	29 18.1093	56.5CGD8	99F1A4045016F1B40107
088400336R05-AUG-84	05:35 PM	218/2109C0202218/2053218/210729	17.4093	58.3CGD8	31 11.9125	54.7CGD12	16F1B4010799F1B40400
088400336R05-AUG-84	02:34 PM	218/1929C0204218/1908218/192429	18.0093	47.5CGD8	28 03.6073	12.3CGD7	22F1B4010799F1B40379
088400336R05-AUG-84	09:59 AM	218/1447C0102218/1432218/144529	19.7093	55.4CGD8	29 55.8103	47.0AFRCC	16F1B4010799F1B40337
088400336R05-AUG-84	08:25 AM	218/1312C0110218/1247218/124729	18.1093	55.8CGD8	27 05.0052	06.7CGD3	17F1B4010799F1B40326
088400336R05-AUG-84	05:28 AM	218/0929C0201218/0913218/092226	20.8147	28.3CGD14	29 04.6093	59.6CGD8	99F1A4031225F1B40107
088400336R05-AUG-84	03:36 AM	218/0741C0202218/0729218/073729	05.1096	50.9AFRCC	29 16.1093	56.2CGD8	99F1A4028518F1B40107
088400336R04-AUG-84	09:04 PM	218/0118C0104218/0105218/011529	18.3093	51.8CGD8	30 32.1073	18.1CGD7	19F1B4010799F1B40203
088400336R05-AUG-84	01:46 AM	218/0610C0210218/0543218/054329	18.9093	52.5CGD8	32 07.9042	32.0CGD3	18F1B4010799F1B40267
088400336R04-AUG-84	03:47 PM	217/2040C0202217/2024217/203829	16.8093	49.6CGD8	30 08.1107	47.6MEXICO	22F1B4010799F1B40150
088400336R04-AUG-84	02:21 PM	217/1900C0201217/1839217/185729	16.9093	54.4CGD8	27 10.4056	08.4CGD3	18F1B4010799F1B40133
088400336R04-AUG-84	11:09 AM	217/1608C0101217/1543217/160131	52.3136	29.7CGD12	29 29.1094	10.5CGD8	99F1A4010699F1B40107
088400336R04-AUG-84	10:01 PM	218/0258C0110218/0250218/025027	24.3126	18.3CGD11	29 11.3093	32.0CGD8	99F1A4023799F1B40238
088400336R05-AUG-84	03:37 AM	218/0743C0204218/0729218/073729	16.2093	52.8CGD8	29 04.4096	53.7AFRCC	18F1B4023802F1A40285
088400352R18-AUG-84	01:15 AM	231/0518C0210231/0452231/045228	07.7095	35.5CGD8	30 00.9060	47.0CGD3	08F1B4317099F1B43533
088400352R16-AUG-84	07:53 PM	229/2228C0301229/2205229/222228	54.4106	49.1MEXICO	28 13.7095	42.6CGD8	99F1A4316999F1B43170
088400352R16-AUG-84	08:49 PM	229/2333C0110229/2317229/231728	17.6095	26.9CGD8	30 20.5058	20.9CGD3	14F1B4317099F1B43186
088400352R17-AUG-84	02:13 AM	230/0117C0104230/0103230/011028	10.0095	27.3CGD8	27 08.0111	55.3CGD11	14F1B4317099F1B43209
088400352R17-AUG-84	05:14 AM	230/0625C0210230/0609230/060928	12.4095	46.1CGD8	28 11.2096	05.1CGD8	03F1B4317019F1B43170

088400352R17-AUG-84	05:30 AM	230/0923C0304230/0911230/092028	14.4095	46.7CGD8	28	14.4095	39.6CGD8	03F1B4317002F1B43170
088400352R17-AUG-84	08:10 AM	230/1301C0102230/1244230/130028	14.9096	04.4CGD8	27	49.6089	01.8CGD8	18F1B4317099F1B43311
088400352R17-AUG-84	04:15 PM	230/1806C0201230/1747230/180426	39.8072	51.6CGD7	27	59.0095	42.6CGD8	99F1A4336615F1B43170
088400352R17-AUG-84	05:34 PM	230/1959C0202230/1933230/195229	55.8125	19.4CGD11	28	05.6095	36.4CGD8	99F1A4340210F1B43170
088400352R17-AUG-84	11:14 PM	231/0143C0110230/2352230/235229	27.7079	31.6CGD7	28	29.0096	03.2CGD8	99F1A44351123F1B43170
088400352R18-AUG-84	04:42 AM	231/0647C0210231/0638231/063828	25.6095	22.9CGD8	27	21.4114	09.50THER	21F1B4317099F1B43541
088400352R18-AUG-84	05:13 AM	231/0815C0310231/0754231/075428	33.4095	21.0CGD8	30	33.6060	37.1CGD3	26F1B4317099F1B43576
088400352R19-AUG-84	03:54 AM	232/0845C0310232/0824232/082428	07.1095	45.5CGD8	29	11.6078	45.4CGD7	99F1A4386899F1B43869
088400398R22-SEP-84	09:30 PM	267/0211C0201267/0054267/014226	23.5095	35.1CGD8	28	07.2064	37.1CGD3	99F1A5371899F1B53719
088400398R23-SEP-84	11:35 AM	267/1619C0201267/1603267/161627	06.5096	24.0CGD8	29	45.9147	33.9CGD14	99F1A5390299F1B53903
088400398R22-SEP-84	09:29 PM	267/0208C0201267/0054267/013826	11.1096	34.5CGD8	28	15.4063	33.1CGD3	99F1A5371499F1B53715
088400398R22-SEP-84	09:28 PM	267/0204C0201267/0054267/013326	52.4096	12.1CGD8	28	43.0063	54.9CGD3	99F1A5370899F1B53709
088400424R06-MAR-84	12:30 PM	066/1822C0110066/1752066/175230	42.4057	34.4CGD3	28	40.3093	06.3CGD8	99F1A7436912F1A74245
088400424R06-MAR-84	08:19 AM	066/1401C0202066/1348066/135928	37.2093	22.4CGD8	29	33.0108	39.2MEXICO	06F1A7424599F1B74287
088400424R06-MAR-84	03:07 PM	066/2034C0104066/1938066/194528	41.1093	05.7CGD8	27	37.2110	57.7CGD11	12F1A7424599F1B74391
088400428R07-MAR-84	03:31 AM	067/0928C0110067/0720067/072029	27.6088	39.7CGD8	29	46.9093	10.7CGD8	99F1A7451299F1B74513
088400428R07-MAR-84	03:38 AM	067/0936C0104067/0720067/074529	48.1092	56.7CGD8	29	34.8089	24.3CGD8	12F1B7451399F1B74516
088400429R06-MAR-84	08:16 PM	067/0203S0104067/0125067/014329	17.3092	26.9CGD8	29	28.8091	32.3CGD8	26F2B7443624F2B74430
088400429R06-MAR-84	07:15 PM	067/0039S0104066/2346067/000839	32.1044	07.5CGD3	29	39.4092	09.2CGD8	99F2A7443599F2B74436
088400438R19-AUG-84	02:10 PM	232/1906C0202232/1845232/190530	16.0089	43.0CGD8	31	43.7113	41.9MEXICO	08F1A4382599F1B43971
088400438R19-AUG-84	12:24 PM	232/1720C0201232/1700232/171830	14.4089	33.9CGD8	28	27.4061	30.5CGD3	15F1A4382599F1B43945
088400438R19-AUG-84	04:12 AM	232/0902C0304232/0823232/084530	12.0089	45.2CGD8	30	30.3085	07.7AFRCC	05F1A4382505F1B43826
088400438R19-AUG-84	01:22 AM	232/0611C0210232/0521232/052130	11.0089	50.5CGD8	30	29.0085	02.1AFRCC	99F1A4382599F1B43826
088400438R19-AUG-84	11:30 PM	233/0418C0210233/0403233/040330	23.8090	16.0CGD8	32	48.5048	32.7CGD3	25F1A4382599F1B44110
088400438R19-AUG-84	08:26 PM	233/0125C0110233/0102233/010228	25.1127	15.6CGD11	30	25.5089	57.2CGD8	99F1A4407815F1A43825
088400462R17-MAR-84	05:40 PM	077/2309C0202077/2305077/230728	41.5093	11.6CGD8	29	25.4091	34.4AFRCC	24F2A7667999F1B76700
088400462R17-MAR-84	08:28 AM	077/1357S0110077/1332077/133224	16.3075	02.9CGD7	28	24.0093	59.2CGD8	07F1A7664099F2B76648
088400462R17-MAR-84	09:56 AM	077/1544S0102077/1512077/153628	23.3093	30.2CGD8	34	34.8123	10.4CGD12	99F2A7667999F2B76680
088400462R17-MAR-84	09:55 AM	077/1542S0101077/1512077/153428	57.5093	43.8CGD8	35	10.5122	49.4CGD12	99F2A7667999F2B76678
088400462R17-MAR-84	08:14 AM	077/1342S0101077/1332077/134024	19.5075	10.4CGD7	28	17.4093	47.0CGD8	99F1A7664025F1B76629
088400462R16-MAR-84	07:46 PM	077/0029C0204077/0022077/002626	51.0112	14.40THER	27	43.4097	04.4CGD8	99F1A7644699F1B76447
088400580R23-APR-84	08:45 PM	115/0212S0110115/0049115/004928	50.2094	56.8CGD8	33	50.5071	32.3CGD5	99F2A8544499F2B85445
088400580R22-APR-84	10:59 AM	113/1550S0110113/1535113/153536	50.5133	07.1CGD12	28	40.9094	46.4CGD8	99F1A8513925F1A85023
088400580R22-APR-84	08:17 AM	113/1405S0104113/1355113/140126	35.6084	13.9CGD7	28	58.5095	16.3CGD8	99F1A8512212F1A85023
088400580R22-APR-84	02:56 AM	113/0848C0210113/0801113/080128	56.5094	57.2CGD8	28	54.9094	45.4CGD8	07F1A8502316F1A85023
088400580R22-APR-84	12:15 AM	113/0555S0102113/0312113/032619	19.7139	51.5CGD14	29	01.6095	17.1CGD8	99F1A8507312F1A85023
088400580R21-APR-84	11:58 PM	113/0456C0104113/0232113/024728	56.6095	16.1CGD8	29	13.5099	54.3AFRCC	13F1A8502399F1B85051
088400580R21-APR-84	08:55 PM	113/0238S0102113/0132113/014529	03.0095	02.3CGD8	29	42.4091	57.5CGD8	99F1A8502309F1B85015
088400580R21-APR-84	03:12 PM	112/2045C0202112/2023112/203526	44.5118	14.1CGD11	28	08.3095	02.7CGD8	99F1A8494299F1B84943
088400580R21-APR-84	03:12 PM	112/2042C0201112/2023112/203428	23.2095	30.8CGD8	27	03.1117	49.9CGD11	99F1A8494099F1B84941
088400580R21-APR-84	08:46 AM	112/1438S0110112/1417112/141729	16.4094	56.4CGD8	29	19.8094	54.6CGD8	99F1A8485704F1A84857
088400580R22-APR-84	03:31 PM	113/2106C0202113/2051113/210328	46.2095	03.3CGD8	26	35.2135	13.4CGD12	17F1A8502399F1B85184
088400580R22-APR-84	10:59 AM	113/1550S0110113/1535113/153536	50.5133	07.1CGD12	28	40.9094	46.4CGD8	99F1A8513925F1A85023
088401104R16-SEP-84	01:17 PM	260/1810C0304260/1751260/180827	54.6085	53.2CGD8	28	32.2095	34.1CGD8	99F1A5190616F1A51880
088401104R16-SEP-84	10:16 AM	260/1508C0210260/1428260/142828	30.6095	15.3CGD8	27	26.4075	52.4CGD7	99F1A5188099F1R51881
088401104R15-SEP-84	12:07 PM	259/1616C0202259/1545259/160830	02.1111	20.9MEXICO	28	58.3094	54.1CGD8	13F1A5163599F1B51638
088401104R15-SEP-84	01:33 AM	259/0614C0202259/0407259/041728	36.2095	36.5CGD8	26	18.6133	39.3CGD12	20F1A5149899F1B51528
088401104R14-SEP-84	10:38 PM	259/0226C0202259/0222259/022428	16.3095	41.9CGD8	29	06.3082	09.6AFRCC	99F1A5149899F1B51499
088401104R15-SEP-84	04:49 AM	259/2144C0104259/2127259/213728	49.2094	52.5CGD8	28	01.1107	22.0MEXICO	09F1B5163899F1B51706
088499999R27-JUN-84	07:28 AM	179/1159C0202179/1148179/115528	52.0096	18.7AFRCC	29	15.1090	06.4CGD8	99F1A0209804F1A01939
088499999R27-JUN-84	05:39 AM	179/1028C0210179/1002179/100232	12.7042	24.2CGD3	29	22.2089	56.2CGD8	99F1A0207607F1A01939
088499999R27-JUN-84	01:42 AM	179/0639C0102179/0627179/063529	16.8089	56.7CGD8	28	17.9105	13.4MEXICO	03F1A0193999F1B02029
088499999R27-JUN-84	12:26 AM	179/0456C0110179/0441179/044129	15.8089	55.4CGD8	31	28.7051	39.8CGD3	05F1A0193999F1B02012
088499999A2324 178/84		1782324178/2324C0201178/2259178/231529	15.7090	01.3CGD8	27	16.2055	34.9CGD3	99F1A0193999F1B01940
088499999R12-JUL-84	01:57 PM	194/1657C0104194/1622194/164730	24.7086	40.0CGD8	30	12.1083	20.1AFRCC	07F1A0578099F1B06079
088499999R12-JUL-84	05:33 AM	194/1029C0204194/1008194/102330	23.7086	30.3CGD8	29	25.4101	21.2MEXICO	01F1A0578099F1B06022
088499999R12-JUL-84	03:50 AM	194/0839C0210194/0822194/082230	35.9086	23.5CGD8	33	03.3048	18.4CGD3	12F1A0578099F1B05994
088499999R11-JUL-84	11:11 PM	194/0309C0104194/0253194/030632	33.4052	52.3CGD3	30	17.9086	34.5CGD8	99F1A0595707F1A05780
088499999R11-JUL-84	08:16 PM	194/0010C0210193/2305193/230530	28.8086	39.0CGD8	32	03.3112	28.3AFRCC	08F1A0578099F1B05938
088499999R11-JUL-84	06:32 PM	193/2139C0204193/2119193/213628	42.0060	05.6CGD3	30	23.5086	24.9CGD8	99F1A0592405F1A05780
088499999R11-JUL-84	04:01 PM	193/1753C0104193/1733193/175230	26.3086	24.9CGD8	32	16.2115	59.1MEXICO	05F1A0578099F1B05881
088499999R10-JUL-84	06:44 AM	192/1134C0202192/1056192/111028	35.0118	08.2CGD11	30	33.1086	34.9CGD8	99F1A0574719F1B05368
088499999R10-JUL-84	05:01 AM	192/0923C0201192/0911192/092030	23.8086	30.1CGD8	31	46.0066	08.2CGD3	10F1B0536899F1B05706
088499999R10-JUL-84	01:36 AM	192/0611C0102192/0515192/053230	36.9086	34.1CGD8	28	51.6116	36.5CGD11	23F1B0536899F1B05690
088499999R10-JUL-84	12:09 AM	192/0356C0110192/0329192/032930	22.6086	30.0CGD8	31	50.7064	12.8CGD3	09F1B0536811F1B05621
088499999A2238 191/84		1912237191/2237C0204191/2207191/222530	25.3086	31.2CGD8	29	46.5076	52.7CGD7	10F1B0536899F1B05594

088499999R09-JUL-84 11:50 AM	191/1642C0101191/1622191/163930	29.4086	23.6CGD8	29	41.1073	43.1CGD7	15F1B0536899F1B05534
088499999R09-JUL-84 05:50 AM	191/1042C0202191/1028191/103530	21.8086	31.8CGD8	29	24.4101	13.3MEXIC0	08F1B0536899F1B05477
088499999R09-JUL-84 05:14 AM	191/0903C0210191/0842191/084232	46.6047	48.9CGD3	30	24.1086	26.3CGD8	99F1A0544510F1B05368
088499999R09-JUL-84 12:38 AM	191/0457C0102191/0440191/044930	25.7086	13.4CGD8	29	46.9096	42.9AFRCC	18F1B0536899F1B05406
088499999R08-JUL-84 11:46 PM	191/0311C0101191/0253191/030632	52.5042	14.0CGD3	30	14.1086	30.3CGD8	99F1A0536799F1B05368
088499999R08-JUL-84 05:37 AM	190/1009C0210190/0959190/095930	35.1083	39.4AFRCC	30	23.8086	32.3CGD8	25F1B0505101F1A04880
088499999R08-JUL-84 01:48 AM	190/0630C0104190/0550190/055830	15.7086	40.8CGD8	28	00.4126	57.9CGD11	12F1A0488099F1B05073
088499999R07-JUL-84 11:55 PM	190/0418C0110190/0405190/040530	24.3086	30.9CGD8	31	07.2075	19.0CGD7	01F1A0488099F1B05037
088499999R07-JUL-84 06:17 PM	189/2306C0202189/2256189/230530	27.2086	53.4CGD8	30	53.4093	42.7AFRCC	19F1A0488099F1B04994
088499999R07-JUL-84 12:40 PM	189/1716C0104189/1658189/171430	23.7086	27.9CGD8	30	15.1084	20.0AFRCC	01F1A0488099F1B04944
088499999R07-JUL-84 06:24 AM	189/0958C0210189/0931189/093130	23.9086	29.9CGD8	31	45.7065	47.8CGD3	99F1A0488099F1B04881
088499999R07-JUL-84 07:54 AM	189/1129C0210189/1116189/111630	32.4086	17.8CGD8	28	38.2118	08.7CGD11	12F1A0488099F1B04903
088499999R06-JUL-84 01:38 PM	188/1640C0104188/1623188/163830	23.2086	20.9CGD8	28	55.3063	54.3CGD3	07F1A0396599F1B04674
088499999R06-JUL-84 08:52 AM	188/1347S0104188/1334188/134130	25.0086	34.3CGD8	29	14.4081	01.8CGD7	05F1A0396599F1B04651
088499999R06-JUL-84 06:30 AM	188/1108C0202188/1048188/105630	21.0086	31.5CGD8	29	28.6100	54.4AFRCC	02F1A0396599F1B04607
088499999R05-JUL-84 11:59 PM	188/0450C0110188/0440188/044030	22.2086	52.9CGD8	30	25.8085	57.6AFRCC	20F1A0396599F1B04531
088499999R05-JUL-84 10:24 PM	188/0025C0201187/2344188/000532	13.4111	53.8AFRCC	30	35.5086	33.6CGD8	99F1A049614F1A03965
088499999R05-JUL-84 12:57 PM	187/1748C0102187/1733187/174330	27.5086	28.8CGD8	31	00.7095	04.2AFRCC	05F1A0396599F1B04391
088499999R05-JUL-84 05:52 AM	187/1031C0204187/1019187/102930	23.2086	34.0CGD8	30	36.5083	15.8AFRCC	04F1A0396599F1B04321
088499999R05-JUL-84 01:28 AM	187/0613C0101187/0551187/061030	09.9086	39.1CGD8	28	18.6117	12.4CGD11	14F1A0396525F1B04286
088499999R05-JUL-84 12:40 AM	187/0421C0101187/0405187/041730	23.1086	30.5CGD8	31	46.0065	05.0CGD3	02F1A0396599F1B04277
088499999R04-JUL-84 06:43 PM	186/2333C0201186/2316186/233230	53.7093	51.5AFRCC	30	23.7086	27.8CGD8	99F1A0420402F1A03965
088499999R04-JUL-84 05:12 PM	186/2155C0210186/2131186/213130	13.6086	46.1CGD8	27	39.2042	30.4CGD3	16F1A0396599F1B04194
088499999R04-JUL-84 12:30 PM	186/1720C0101186/1658186/171630	24.2086	31.2CGD8	29	36.0074	21.0CGD7	02F1A040402F1B04140
088499999R04-JUL-84 02:19 AM	186/0525C0102186/0516186/052229	41.3097	16.4AFRCC	30	23.0086	26.5CGD8	99F1A0396599F1B03965
088499999R03-JUL-84 08:21 PM	185/2258C0110185/1623185/162330	21.8086	29.0CGD8	28	29.1054	15.9CGD3	99F1A0396599F1B03966
088499999R04-JUL-84 05:17 AM	186/1005C0201186/0951186/100130	26.5086	29.8CGD8	31	51.2065	30.0CGD3	04F1A0396599F1B04087
088499999R08-JUL-84 01:21 PM	190/1810C0110190/1733190/173330	24.9086	28.6CGD8	31	37.5105	32.5AFRCC	01F1A0488099F1B05228
118400010A1556 094/84	0941553094/1553S0101094/1545094/155134	39.1120	40.9CGD11	32	43.6111	32.5AFRCC	99F1A08084099F1B08084
118400010A1840 094/84	0941836094/1836C0102094/1822094/183534	36.3120	49.8CGD11	33	05.1142	58.7CGD12	08F1A08084099F1B08087
118400010A1753 094/84	0941750094/1750S0103094/1725094/173034	41.1120	43.2CGD11	42	35.5159	10.8CGD17K	02F1A08084099F1B08087
118400025A0247 339/84	3390245339/0245C0102339/0230339/024432	47.8117	16.0CGD11	33	54.6132	22.9CGD12	99F1A6949199F1B69450
118400025A0705 339/84	3390703339/0702C0202339/0620339/063130	31.7080	47.6CGD7	32	45.9117	15.7CGD11	99F1A6947302F1A69449
118400025A0823 339/84	3390821339/0821C0201339/0805339/081632	45.8117	14.2CGD11	33	44.0132	08.9CGD12	02F1A694916F1B69450
118400025A1052 339/84	3391050339/1050C0301339/1038339/105032	44.8116	55.8CGD11	32	47.6117	39.8CGD11	17F1A6949199F1B69449
118400025A1916 339/84	3391914339/1914C0201339/1907339/191232	22.0122	47.6CGD11	32	45.5117	10.1CGD11	99F1A6957699F1B69577
118400025A2308 339/84	3392305339/2157C0301339/2141339/214933	25.7107	55.0AFRCC	32	46.0117	19.2CGD11	99F1A6960007F1B69577
118400025A2338 339/84	3392336339/2336C0302339/2326339/233432	44.1117	13.6CGD11	30	13.3159	04.5CGD14	03F1B6957799F1B69617
118400027A2210 308/84	3082208308/2208C0210308/2158308/215833	20.0119	02.6CGD11	34	33.5100	07.1AFRCC	99F1A6304799F1B63048
118400027A2354 308/84	3082353308/2353C0203308/2343308/234931	26.8152	10.8CGD14	33	24.9118	54.5CGD11	99F1A6307205F1B63047
118400027A0043 309/84	3090041309/0041C0310309/0009309/000933	24.1118	55.7CGD11	36	16.0073	09.9CGD5	07F1A6304799F1B63088
118400027A0207 309/84	3090205309/0205C0303309/0155309/020133	04.1127	36.6CGD12	33	39.5118	43.8CGD11	99F1A6311723F1A63047
118400031A1444 314/84	3141442314/1436C0303314/1417314/143535	21.3139	30.6CGD12	34	00.2118	24.4CGD11	99F1A6422305F1A63949
118400031A1217 314/84	3141215314/1215C0202314/1202314/121434	00.5118	31.5CGD11	36	58.3164	47.9CGD14	03F1A6394999F1B64216
118400031A1032 314/84	3141030314/1030C0201314/1016314/102733	58.4118	25.0CGD11	33	25.1110	37.8AFRCC	04F1A6394999F1B64204
118400031A0547 314/84	3140545314/0545C0102314/0531314/054433	59.3118	28.0CGD11	35	09.2135	38.4CGD12	02F1A6394999F1B64193
118400031A0245 314/84	3140242314/0242C0303314/0235314/024033	58.5118	28.3CGD11	31	23.9163	42.1CGD14	02F1A6394999F1B64168
118400031A0101 314/84	3140059314/0059C0303314/0050314/005433	55.5118	43.1CGD11	34	21.0112	37.5AFRCC	13F1A6394999F1B64143
118400031A2242 313/84	3132240313/2240C0203313/2234313/223833	58.3118	24.6CGD11	32	48.7136	21.8CGD12	04F1A6394999F1B64111
118400031A1757 313/84	3131752313/1752C0103313/1746313/175033	59.9118	25.0CGD11	31	41.6158	37.3CGD14	05F1A6394999F1B64079
118400031A1402 313/84	3131400313/1400C0301313/1348313/135933	58.5118	22.9CGD11	34	11.3121	32.0CGD11	06F1A6394999F1B64060
118400031A1150 313/84	3131148313/1148C0202313/1133313/114633	59.9118	27.5CGD11	35	54.0146	09.6CGD14	03F1A6394999F1B64050
118400031A1005 313/84	3131003313/1003C0202313/0948313/100034	00.2118	25.9CGD11	32	20.1093	41.6AFRCC	04F1A6394926F1A64017
118400031A0512 313/84	3130518313/0518C0101313/0456313/050733	41.5114	29.4AFRCC	33	58.4118	24.4CGD11	99F1A6402205F1A63949
118400031A0215 313/84	3130214313/0213C0303313/0206313/021033	58.7118	26.4CGD11	32	16.2146	44.7CGD14	04F1A6394999F1B63997
118400031A0035 313/84	3130034313/0033C0310313/0021313/002133	59.1118	27.7CGD11	35	29.8094	31.4AFRCC	02F1A6394999F1B63965
118400031A2254 312/84	3122251312/2213C0201312/2206312/221233	57.8118	31.0CGD11	33	55.9118	56.0CGD11	99F1A6394921F1A63949
118400058A0331 012/84	01202331012/0331C0101012/0211012/022233	16.0118	00.3CGD11	34	47.2086	14.2AFRCC	99F1A6119399F1B61194
118400058A0422 012/84	0120422012/0422S0101012/0254012/030233	27.0117	50.6CGD11	34	27.2112	58.6AFRCC	13F1A6119399F1B61202
118400058A0602 012/84	0120603012/0603C0103012/0357012/040231	38.8149	07.6CGD14	33	30.5117	50.9CGD11	99F1A6121416F1A61193
118400058A0900 012/84	0120901012/0901C0202012/0806012/081733	35.8118	04.4CGD11	34	43.8102	14.7AFRCC	20F1A6119399F1B61237
118400058A1024 012/84	0121007012/1007C0202012/0951012/100233	31.0117	55.2CGD11	31	18.3153	59.8CGD14	15F1A6119322F1A61240
118400086A0054 081/84	0810052081/0052C0202081/0029081/004532	12.8110	59.8AFRCC	31	48.5117	12.5CGD11	99F1A7721199F1B77212
118400086A0223 081/84	0810222081/0222S0110081/1125081/012532	11.1116	57.8CGD11	41	31.9070	07.2CGD11	25F1B7721299F2B77235
118400136A1624 117/84	1171624117/1623S0101117/1549117/155833	18.9115	10.8AFRCC	34	01.1118	32.2CGD11	99F2A8605099F2B86051
118400136A1648 117/84	1171648117/1648C0103117/1558117/160734	01.0118	56.4CGD11	32	05.8151	07.6CGD14	19F2B8605199F2B86064

118400136A2114	117/84	1172114117/2114C0201117/2053117/210733	55.9118	23.2CGD11	33	02.3132	04.3CGD12	09F2P8605199F1B86104
118400136A0846	117/84	1170846117/0846C0201117/0811117/082634	15.0119	17.4CGD11	32	17.9088	28.7AFRCC	01F1A8588499F1B85945
118400136A1018	117/84	1171018117/1018C0203117/0957117/101634	13.2119	21.0CGD11	35	37.1140	16.2CGD12	02F1A8588499F1B85972
118400136A0323	117/84	1170323117/0323C0104117/0300117/032134	14.2119	18.0CGD11	33	22.6106	01.2AFRCC	99F1A8588499F1B85885
118400136A1609	117/84	1171608117/16065D101117/1549117/155333	15.5114	44.4AFRCC	34	09.2119	00.2CGD11	99F1A8604715F1A85884
118400136A0208	117/84	1170208117/02085D101117/0149117/020842	30.0079	23.7AFRCC	34	14.1119	50.8CGD11	99F1A8587399F1B85874
118400136A1619	117/84	1171619117/16195D101117/1549117/155632	57.3114	00.6AFRCC	34	09.4119	49.0CGD11	99F1A8604899F1B86049
118400204A2205	212/84	2122202212/2202C0202212/2134212/215233	37.8117	53.5CGD11	32	26.8100	13.9AFRCC	99F1A3883199F1B38832
118400204A0334	213/84	2130330213/0330C0110213/0325213/032533	38.0117	55.6CGD11	34	31.7104	12.9AFRCC	01F1A3883199F1B38891
118400204A0554	213/84	2130551213/0551C0103213/0510213/051433	36.5117	49.0CGD11	31	24.4156	14.0CGD14	04F1A3883199F1B38894
118400204A0900	213/84	2130854213/0854C0201213/0835213/085335	31.7080	27.4AFRCC	33	35.4117	56.4CGD11	99F1A3893803F1A38831
118400204A1029	213/84	2131025213/1025C0203213/1021213/102432	05.6142	44.4CGD14	33	37.6118	01.8CGD11	99F1A3896406F1A38831
118400204A1709	213/84	2131708213/1707C0101213/1655213/170633	39.2117	47.6CGD11	34	38.7132	50.3CGD12	04F1A3883199F1B39033
118400204A2247	213/84	2132244213/2217C0201213/2202213/221533	34.0117	12.0AFRCC	33	37.8118	05.8CGD11	99F1A3908710F1A38831
118400204A0430	214/84	2140428214/0413C0101214/0400214/040633	06.0125	09.9CGD12	33	36.7117	52.9CGD11	07F1B3914601F1A38831
118400204A0916	214/84	2140915214/0915C0201214/0904214/091334	20.3108	17.9AFRCC	33	40.7117	52.2CGD11	99F1A3922503F1A38831
118400204A1109	214/84	2141107214/1106C0203214/1049214/110333	34.7118	04.0CGD11	31	14.4159	43.1CGD14	08F1A3883199F1B39239
118400204A1608	214/84	2141607214/1607C0102214/1544214/160133	36.1117	54.7CGD11	32	28.7101	11.4AFRCC	02F1A3883199F1B39283
118400204A1751	214/84	2141749214/1749C0102214/1730214/174735	43.1153	58.0CGD14	33	39.5117	58.2CGD11	99F1A3530803F1A38831
128400020A1815	090/84	0901812090/1759C0101090/1747090/175835	42.8122	03.6CGD12	36	29.2111	12.6AFRCC	17F1B7968399F1B79791
128400020A1722	090/84	0901720090/172050103090/1711090/171735	44.2122	06.2CGD12	41	33.7150	48.1CGD17K	15F1B7968399F1B79777
128400020A1547	090/84	0901545090/154550102090/1531090/154235	39.4122	06.8CGD12	31	43.9103	03.2AFRCC	17F1B7968399F1B79760
128400020A0517	090/84	0900513090/05135D103090/0452090/051135	48.1122	42.9CGD12	26	43.2164	57.8CGD14	15F1B7968099F2B79663
128400020A1254	090/84	0901252090/1252C0202090/1111090/112435	52.2122	32.6CGD12	33	15.9082	29.4AFRCC	07F1B7968399F1B79718
128400020A0512	090/84	0900506090/05065D102090/0452090/050427	33.7165	07.8CGD14	36	16.4123	18.2CGD12	99F2A7966223F1B79608
128400020A1303	090/84	0901301090/1301C0202090/1112090/112834	31.2080	40.3AFRCC	37	27.2124	11.5CGD12	99F1A7972299F1B79723
128400020A		0900712090/0712C0102090/0643090/070135	27.8117	41.4AFRCC	35	48.3122	25.1CGD12	05F1B7967999F1B79683
128400020A0704	090/84	0900702090/0702C0101090/0643090/065735	54.0122	40.4CGD12	35	33.4117	36.9AFRCC	14F1B7968099F1B79679
128400020A0810	090/84	0900504090/05045D102090/0452090/050227	01.9165	28.4CGD14	36	02.4172	41.3CGD12	99F2A7966113F1B79608
128400020A0123	090/84	0900121090/0121C0203090/0113090/011933	48.9158	50.0CGD14	35	58.7122	57.2CGD12	99F1A7960799F1B79608
128400076A1121	266/84	2661121266/1120C0101266/1056266/111038	19.8129	26.1CGD12	37	43.8121	33.5AFRCC	25F1A5335505F1B53354
128400076A1128	266/84	2661123266/1123C0102266/1057266/111239	57.2125	35.3CGD12	39	55.1125	05.7CGD12	16F1A5328699F1B53454
128400076A1113	266/84	2661111266/1111C0101266/1057266/110739	56.9126	08.9CGD12	39	49.5124	31.7CGD12	19F1A5328699F1B53451
128400076A1942	266/84	2661941266/1941C0302266/1902266/191932	54.1142	08.7CGD12	30	16.8095	39.9AFRCC	99F1A5361515F1A53546
128400076A1939	266/84	2661938266/1938C0302266/1902266/191633	27.8112	20.3AFRCC	34	15.1123	36.6CGD12	99F1A5361299F1B53613
128400076A1112	266/84	2661111266/1111C0101266/1057266/110739	56.9126	08.9CGD12	39	49.5124	31.7CGD12	19F1A5328699F1B53451
128400076A1611	266/84	2661610266/1610C0201266/1536266/153637	20.5131	04.8CGD12	35	01.9092	57.7AFRCC	99F1A5350799F1B53508
128400076A1607	266/84	2661606266/1606C0202266/1535266/155235	29.1126	53.2CGD12	33	30.7097	34.7AFRCC	99F1A5350618F1A53484
128400076A1141	266/84	2661140266/1140C0102266/1057266/112139	59.3126	22.1CGD12	39	49.5124	14.2CGD12	99F1A5346314F1B53451
128400076A1132	266/84	2661130266/1130C0102266/1056266/111638	21.4129	42.0CGD12	37	43.5121	26.0AFRCC	99F1A5345502F1B53354
128400076A1554	266/84	2661553266/1553C0202266/1537266/154839	42.9125	26.1CGD12	37	40.4097	43.0AFRCC	19F1B5345499F1B53501
128400076A1629	266/84	2661628266/1628C0201266/1537266/160040	41.9125	13.3CGD12	38	45.7097	53.3AFRCC	99F1A5352099F1B53521
128400076A1127	266/84	2661123266/1122C0102266/1057266/111239	57.2125	35.3CGD12	39	55.1125	05.7CGD12	16F1A5328699F1B53454
128400076A1129	266/84	2661125266/1125C0103266/1057266/111339	59.2126	41.0CGD12	39	46.7123	52.6CGD12	23F1A5338315F1B53384
128400076A1141	266/84	2661140266/1140C0102266/1057266/112139	59.3126	22.1CGD12	39	49.5124	14.2CGD12	99F1A5346314F1B53451
128400076A1135	266/84	2661134266/1133C0102266/1056266/111737	39.0118	18.0AFRCC	38	41.6133	25.4CGD12	99F1A5345699F1B53457
128400076A1130	266/84	2661130266/1130C0102266/1056266/111638	21.4129	42.0CGD12	37	43.5121	26.0AFRCC	99F1A5345502F1B53354
128400076A1121	266/84	2661121266/1120C0101266/1056266/111038	19.8129	26.1CGD12	37	43.8121	33.5AFRCC	25F1A5335505F1B53354
128400076A1117	266/84	2661116266/1116C0101266/1056266/110938	31.1121	30.1AFRCC	39	06.0129	24.9CGD12	00F1B5335699F1B53453
128400076A1114	266/84	2661113266/1112C0101266/1057266/110836	35.4106	19.1AFRCC	39	07.4145	58.2CGD12	02F1A5252799F1B53452
128400076A1112	266/84	2661111266/1111C0101266/1057266/110739	56.9126	08.9CGD12	39	49.5124	31.7CGD12	19F1A5328699F1B53451
128400076A0939	266/84	2660937266/0809C0303266/0718266/072839	55.3125	28.7CGD12	39	02.9137	14.7CGD12	20F1A5328699F1B53403
128400076A0948	266/84	2660944266/0904C0302266/0719266/073736	00.2143	34.4CGD12	37	49.7117	39.8AFRCC	99F1A5341299F1B53413
128400076A0945	266/84	2660941266/0850C0303266/0719266/073337	43.2121	28.4AFRCC	36	22.3140	29.1CGD12	01F1B5335499F1B53407
128400076A0943	266/84	2660939266/0828C0303266/0719266/073238	30.2121	29.9AFRCC	37	10.3140	40.1CGD12	01F1B5335699F1B53405
128400076A0941	266/84	2660938266/0815C0303266/0720266/072935	35.6118	30.2AFRCC	34	01.7142	52.5CGD12	99F1A5340415F1B53363
128400076A0754	266/84	2660753266/0752C0303266/0719266/072638	05.0131	24.6CGD12	37	58.1132	39.7CGD12	99F1A5340099F1B53401
128400076A063v	266/84	2660626266/0626C0203266/0537266/054536	35.1125	06.4CGD12	33	39.3175	54.6CGD14	99F1A5339499F1B53395
128400076A0616	266/84	2660615266/0615C0310266/0532266/053239	52.6126	07.4CGD12	42	45.5083	24.1AFRCC	21F1A5328699F1B53392
128400076A0614	266/84	2660612266/0612C0310266/0532266/053242	55.8082	41.5AFRCC	39	58.7126	47.7CGD12	99F1A5339118F1A53383
128400076A0232	266/84	2660231266/0231C0202266/0205266/022343	58.1071	26.4AFRCC	40	22.5125	16.1CGD12	99F1A5333899F1B53339
128400076A2321	265/84	2652320265/2320C0103265/2308265/231640	08.9125	49.4CGD12	38	19.9151	05.7CGD14	99F1A5328699F1B53287
128400076A0376	265/84	2652035265/2035C0302265/2020265/203341	19.0142	51.0CGD13	39	58.4126	26.5CGD12	99F1A5327299F1B53273
128400076A0404	266/84	2660401266/0401C0201266/0352266/035739	57.7125	42.3CGD12	39	57.6125	42.8CGD12	12F1A5328611F1A53286
128400098A1601	015/84	0151601015/1601C0103015/1543015/155938	34.0130	12.6CGD12	38	00.2122	17.2CGD12	99F1A6180499F1B61805
128400098A2130	015/84	0152128015/2128C0202015/2114015/212738	05.1124	08.7CGD12	37	59.2122	50.4CGD12	99F1A6186112F1A61810

128400098A0331	016/84	0160331016/0329S0102016/0309016/032037	54.1122	43.9CGD12	38	54.1117	49.5AFRCC	19F1A6181099F1B61897
128400098A1611	015/84	0151611015/1611S0110015/1549015/154938	07.3123	03.3CGD12	35	31.5110	20.3AFRCC	99F1A6181016F1A61806
128400098A1603	015/84	0151602015/1602S0102015/1549015/160035	25.4110	37.6AFRCC	37	49.4122	30.7CGD12	99F1A6180615F1B61805
128400104A0246	030/84	0300243030/0228C0101030/0022030/005839	28.0100	10.1AFRCC	37	50.3122	44.0CGD12	99F1A6545599F1B65456
128400104A0934	030/84	0300933030/0933C0210030/0605030/060537	52.9122	32.5CGD12	39	23.8100	55.8AFRCC	09F1B6545699F1B65554
128400104A0706	030/84	0300705030/0705S0102030/0447030/050229	12.2164	32.7CGD14	38	02.6122	31.7CGD12	99F2A6554716F1B65456
128400104A0558	030/84	0300556030/0546S0102030/0307030/032037	53.8122	19.6CGD12	38	57.5117	03.5AFRCC	19F1B6545699F1B65512
128400104A0443	030/84	0300441030/0441C0103030/0208030/021637	57.4122	20.8CGD12	35	55.5152	42.8CGD14	19F1B6545699F1B65489
128400182A0239	171/84	1710238171/0237C0201171/0214171/022735	40.0089	38.3AFRCC	37	54.9123	53.6CGD12	02F1A9958599F1B99690
128400182A0311	171/84	1710307171/0256C0201171/0214171/023537	20.5130	42.6CGD12	34	12.5083	50.3AFRCC	99F1A9969699F1B99697
128400182A0355	172/84	1720353172/0353S0102172/0341172/035137	53.2122	27.6CGD12	35	54.4132	14.4CGD12	02F1B9997299F1B99976
128400182A0444	172/84	1720442172/0442C0202172/0428172/043940	31.1160	54.4CGD17K	37	53.7122	31.1CGD12	99F1A9998202F1B99972
128400182A0802	172/84	1720801172/0801C0110172/0735172/073537	50.2122	24.3CGD12	40	28.5085	37.8AFRCC	05F1B9997299F1B00001
128400182A0936	172/84	1720936172/0936C0102172/0922172/093337	49.1122	24.2CGD12	36	36.5138	59.1CGD12	06F1B9997299F1B00006
128400182A1357	172/84	1721356172/1356C0202172/1341172/135337	51.3122	25.0CGD12	39	31.1099	45.0AFRCC	04F1B9997299F1B00051
128400182A1611	172/84	1721610172/1610S0101172/1559172/160437	51.1122	33.8CGD12	36	15.9114	43.1AFRCC	02F1B9997299F1B00070
128400267A0843	224/84	2240842224/0842C0201224/0832224/083936	39.6122	13.5CGD12	36	36.8122	55.7CGD12	99F1A4163199F1B41632
128400267A0843	224/84	2240842224/0842C0201224/0832224/083936	39.6122	13.5CGD12	36	36.8122	55.7CGD12	99F1A4163199F1B41632
128400267A0847	224/84	2240844224/0844C0201224/0832224/083935	00.4130	06.0CGD12	36	00.4115	05.4AFRCC	99F1A4163314F1B41572
128400267A0849	224/84	2240847224/0847C0201224/0832224/084136	34.8121	36.4AFRCC	36	25.9123	40.8CGD12	99F1A4163499F1B41635
128400336A1121	266/84	2661121266/1120C0101266/1056266/111038	19.8129	26.1CGD12	37	43.8121	33.5AFRCC	25F1A5335505F1B53354
128400336A1128	266/84	2661123266/1123C0102266/1057266/111239	57.2125	35.3CGD12	39	55.1125	05.7CGD12	16F1A5328699F1B53454
128400336A1113	266/84	2661111266/1111C0101266/1057266/110739	56.9126	08.9CGD12	39	49.5124	31.7CGD12	99F1A5335505F1B53451
128400336A1942	266/84	2661941266/1941C0302266/1902266/191932	54.1142	08.7CGD12	30	16.8095	39.9AFRCC	99F1A5361515F1A53546
128400336A1939	266/84	2661938266/1938C0302266/1902266/191633	27.8112	20.3AFRCC	34	15.1123	36.6CGD12	99F1A5361299F1B53613
128400336A1112	266/84	2661111266/1111C0101266/1057266/110739	56.9126	08.9CGD12	39	49.5124	31.7CGD12	19F1A5328699F1B53451
128400336A1611	266/84	2661610266/1610C0210266/1536266/153637	20.5131	04.8CGD12	35	01.9092	57.7AFRCC	99F1A5350799F1B53508
128400336A1607	266/84	2661606266/1606C0202266/1535266/153235	29.1126	53.2CGD12	33	30.7097	34.7AFRCC	99F1A5350618F1A53484
128400336A1141	266/84	2661140266/1140C0102266/1057266/112139	59.3126	22.1CGD12	39	49.5124	14.2CGD12	99F1A5346314F1B53451
128400336A1132	266/84	2661130266/1130C0102266/1056266/111638	21.4129	42.0CGD12	37	43.5121	26.0AFRCC	99F1A5345502F1B53354
128400336A1554	266/84	2661553266/1553C0202266/1537266/154839	42.9125	26.1CGD12	37	40.4097	43.0AFRCC	19F1B5345499F1B53501
128400336A1629	266/84	2661628266/1628C0201266/1537266/160040	41.9125	13.3CGD12	38	45.7097	53.3AFRCC	99F1A5352099F1B53521
128400336A1127	266/84	2661123266/1122C0102266/1057266/111239	57.2125	35.3CGD12	39	55.1125	05.7CGD12	16F1A5328699F1B53454
128400336A1129	266/84	2661125266/1125C0103266/1057266/111339	59.2126	41.0CGD12	39	46.7123	52.6CGD12	23F1A5338315F1B53384
128400336A1141	266/84	2661140266/1140C0102266/1057266/112139	59.3126	22.1CGD12	39	49.5124	14.2CGD12	99F1A5346314F1B53451
128400336A1135	266/84	2661134266/1133C0102266/1056266/111737	39.0118	18.0AFRCC	38	41.6133	25.4CGD12	99F1A5345699F1B53457
128400336A1132	266/84	2661130266/1130C0102266/1056266/111638	21.4129	42.0CGD12	37	43.5121	26.0AFRCC	99F1A5345502F1B53354
128400336A1121	266/84	2661121266/1120C0101266/1056266/111038	19.8129	26.1CGD12	37	43.8121	33.5AFRCC	25F1A5335505F1B53354
128400336A1117	266/84	2661116266/1116C0101266/1056266/110938	31.1121	30.1AFRCC	39	06.0129	24.9CGD12	00F1B5335699F1B53453
128400336A1114	266/84	2661113266/1112C0101266/1057266/110836	35.4106	19.1AFRCC	39	07.4145	58.2CGD12	02F1A5252799F1B53452
128400336A1112	266/84	2661111266/1111C0101266/1057266/110739	56.9126	08.9CGD12	39	49.5124	31.7CGD12	19F1A5328699F1B53451
128400336A0939	266/84	2660937266/0809C0303266/0718266/072839	55.3125	28.7CGD12	39	02.9137	14.7CGD12	20F1A5328699F1B53403
128400336A0948	266/84	2660944266/0904C0302266/0719266/073736	00.2143	34.4CGD12	37	49.7117	39.8AFRCC	99F1A5341299F1B53413
128400336A0945	266/84	2660941266/0850C0303266/0719266/073337	43.2121	28.4AFRCC	36	22.3140	29.1CGD12	01F1B5335499F1B53407
128400336A0943	266/84	2660939266/0828C0303266/0719266/073238	30.2121	29.9AFRCC	37	10.3140	40.1CGD12	01F1B5335699F1B53405
128400336A0941	266/84	2660938266/0815C0303266/0720266/072935	35.6118	30.2AFRCC	34	01.7142	52.5CGD12	99F1A5340415F1B53363
128400336A0754	266/84	2660753266/0752C0303266/0719266/072638	05.0131	24.6CGD12	37	58.1132	39.7CGD12	99F1A5340099F1B53401
128400336A0630	266/84	2660626266/0626C0203266/0537266/054536	35.1125	06.4CGD12	33	39.3175	54.6CGD14	99F1A5339499F1B53395
128400336A0616	266/84	2660615266/0615C0310266/0532266/053239	52.6126	07.4CGD12	42	45.5083	24.1AFRCC	21F1A5328699F1B53392
128400336A0614	266/84	2660612266/0612C0310266/0532266/053242	55.8082	41.5AFRCC	39	58.7126	47.7CGD12	99F1A5339118F1A53383
128400336A0232	266/84	2660231266/0231C0202266/0205266/022343	58.1071	26.4AFRCC	40	22.5125	16.1CGD12	99F1A5333899F1B53339
128400336A2321	265/84	2652320265/2320C0103265/2308265/231640	08.9125	49.4CGD12	38	19.9151	05.7CGD12	99F1A5328699F1B53287
128400336A2037	265/84	2652035265/2035C0302265/2020265/203341	19.0142	51.0CGD13	39	58.4126	26.5CGD12	99F1A5327299F1B53273
128400336A0404	266/84	2660401266/0401C0201266/0352266/035739	57.7125	42.3CGD12	39	57.6125	42.8CGD12	12F1A5328611F1A53286
12840050D		3081325308/1325C0302308/1309308/132037	33.3123	01.9CGD12	34	47.2080	36.8AFRCC	01F1A6292199F1B62958
12840050D		3081541308/1541C0303308/1454308/151138	08.0131	19.1CGD12	37	32.9122	56.0CGD12	99F1A6299403F1A62921
12840050D		3081642C0104308/1635308/163838	55.9103	50.0AFRCC	37	33.2123	01.7CGD12	99F1A6299701F1A62921
12840050D		3081256308/1256C0202308/1243308/125437	33.1122	59.1CGD12	40	05.2157	50.8CGD17K	01F1A6292199F1B62950
12840050DA1123	308/84	3081122308/1122C0210308/1057308/105737	32.4122	59.5CGD12	36	16.0104	42.5AFRCC	99F1A6292199F1B62922
12840183DA2131	057/84	0572129057/2129C0103057/2122057/212639	00.8106	25.6AFRCC	37	52.1122	38.1CGD12	99F1A7217899F1B72179
12840183DA1639	058/84	0581540058/1540S0101058/1521058/152837	47.9122	14.7CGD12	32	42.3097	27.3AFRCC	99F1A7236099F1B72361
12840183DA0413	058/84	0580412058/0412S0101058/0303058/030937	46.9122	17.0CGD12	39	15.3114	57.6AFRCC	17F1B7217999F1B72274
12840183DA0455	058/84	0580454058/0454S0102058/0443058/045229	20.0162	41.4CGD14	37	45.8122	26.5CGD12	99F1A7229110F1B72179
12840183DA2331	057/84	0572329057/2329C0103057/2308057/232635	32.2158	20.1CGD14	37	49.6122	15.6CGD12	99F1A7220017F1B72179
12840183DA0937	058/84	0580934058/0934C0101058/0910058/092935	11.1082	16.3AFRCC	37	55.0122	21.1CGD12	99F1A7232713F1B72179
12840183DA1642	058/84	0581541058/1541C0204058/1519058/152935	47.1095	17.2AFRCC	37	45.2122	11.7CGD12	99F1A7236203F1A72360

12840183DA1809 058/84	0581709058/1709S0103058/1701058/170737	57.1122	10.7CGD12	42	36.7145	09.5CGD13	09F1A7236099F1R72371
12840259DA1835 114/84	1141834114/170250103114/1652114/170041	01.9140	17.1CGD13	37	27.9122	53.2CGD12	99F1A8535699F1B85357
12840520DA2138 274/84	2742136274/2136C0102274/2121274/213540	28.1126	17.1CGD12	40	21.5127	40.5CGD12	12F1A5555299F1B55594
12840520DA1705 274/84	2741609274/1609C0201274/1554274/160641	17.6132	47.0CGD13	40	43.2125	12.0CGD12	99F1A5554299F1B55553
12840520DA2138 274/84	2742136274/2136C0102274/2121274/213540	28.1126	17.1CGD12	40	21.5127	40.5CGD12	12F1A5555299F1B55594
12840520DA0300 275/84	2750259275/0259C0201275/0252275/025640	35.6124	54.0CGD12	40	24.2127	18.8CGD12	99F1A5563816F1B55594
12840520DA0307 275/84	2750305275/0304C0202375/0254275/030040	38.1125	15.6CGD12	40	42.6126	41.3CGD12	16F1A5563813F1A55552
12840520DA0329 275/84	2750327275/0322C0202275/0252275/030440	32.6125	04.5CGD12	40	23.2127	04.5CGD12	08F1A5563899F1B55654
12840520DA1705 274/84	2741609274/1609C0201274/1554274/160641	17.6132	47.0CGD13	40	43.2125	12.0CGD12	99F1A5554299F1B55553
12840520DA1635 274/84	2741622274/1622C0202274/1554274/161040	38.6126	24.1CGD12	41	03.8131	43.8CGD12	99F1A5555299F1B55553
12840520DA1638 274/84	2741624274/1624C0203274/1556274/161340	28.9128	11.8CGD12	40	42.1130	56.5CGD12	99F1A5555499F1B55555
12840520DA0636 274/84	2740635274/0635C0301274/0555274/060641	26.2128	06.1CGD12	41	57.8121	32.8AFRCC	99F1A5545802F1A55421
1384000368354/18101Z	354/1745C0201354/1723354/173248	04.3123	08.5AFRCC	48	06.2122	48.7CGD13	18F1B7209918F1A72039
1384000368354/12138Z	354/1158C0101354/1143354/115448	11.9121	52.6CGD13	48	19.1120	14.9AFRCC	21F1A7203999F1B72102
1384000368354/09136Z	354/0926C0201354/0913354/092347	13.4114	32.3AFRCC	47	57.3122	51.8CGD13	99F1A7208220F1A72039
1384000368354/08132Z	354/0822C0202354/0816354/082152	27.2179	48.5CGD17A	47	41.3122	11.8CGD13	99F1A7206722F1A72039
1384000368354/07103Z	354/0651C0201354/0629354/063548	01.9122	22.2CGD13	48	13.5124	28.6AFRCC	99F1A7203999F1B72040
1384000758354/18101Z	354/1747C0201354/1724354/173243	24.1124	15.3CGD13	43	45.8119	56.5AFRCC	08F1A7204199F1B72147
1384000758354/16133Z	354/1617C0210354/1537354/153743	28.0124	14.1CGD13	47	39.1064	43.3CNC	09F1A7204199F1B72127
1384000758354/16125Z	354/1341C0102354/1330354/134043	28.0124	10.7CGD13	40	20.7168	08.3CGD17A	11F1A7204199F1B72110
1384000758354/11116Z	354/1107C0302354/1055354/110543	25.2124	14.3CGD13	46	47.2168	43.7CGD17A	08F1A7204199F1B72096
1384000758354/10130Z	354/1020C0110354/0957354/095743	27.9124	14.5CGD13	47	59.2061	28.0CNC	08F1A7204199F1B72093
1384000758354/12138Z	354/1154C0101354/1145354/115343	24.7124	11.7CGD13	43	57.7117	34.1AFRCC	10F1A7204199F1B72100
1384000758354/09134Z	354/0922C0301354/0912354/092043	25.1124	13.5CGD13	42	41.4114	54.2AFRCC	08F1A7204199F1B72079
1384000758354/08131Z	354/0821C0202354/0814354/082143	25.0124	17.7CGD13	47	27.6179	08.1CGD17A	05F1A7204199F1B72066
1384000758354/07104Z	354/0654C0201354/0628354/063643	26.0124	26.4CGD13	43	24.5124	03.7AFRCC	99F1A7204111F1A71988
138400194B148/16143Z	148/1639S0102148/1616148/162946	35.4124	03.0CGD13	45	11.2116	36.7AFRCC	23F1A9414599F1B94238
138400194B148/16128Z	148/1624S0101148/1616148/162246	15.9124	33.0CGD13	44	43.1116	29.5AFRCC	99F1A9423299F1B94233
138400194B148/11126Z	148/1123C0101148/1108148/112046	18.9123	38.5CGD13	47	12.9113	28.3AFRCC	17F1A9414599F1B94177
138400194B148/07129Z	148/0725C0202148/0710148/072148	30.2153	18.8CGD17K	46	03.7124	27.3CGD13	99F1A9416218F1A94145
138400194B148/05136Z	148/0533C0204148/0524148/053146	11.6124	02.3CGD13	44	21.3101	34.1AFRCC	99F1A9414599F1B94146
138400194B145/03141Z	145/0337S0102145/0328145/033553	45.3113	40.2CNC	48	16.6143	23.3CGD13	05F1A9333499F1B93353
138400342	2631622263/1622C0202263/1557263/160942	39.7125	09.4CGD13	40	30.2096	58.9AFRCC	99F1A5268699F1B52687
138400342	2631949263/1949C0302263/1922263/193642	35.4125	16.9CGD13	41	11.1107	32.8AFRCC	07F1A5268699F1B52722
138400342	2631758263/1758C0202263/1743263/175444	28.5149	13.5CGD17K	42	32.3124	55.9CGD13	99F1A5269812F1A52686
138400342B264/03104Z	264/0259C0203264/0253264/025743	15.4133	55.6CGD13	47	01.3081	01.9CNC	99F1A5280199F1B52802
138400342B264/03117Z	264/0301C0203264/0254264/025744	58.9091	18.2AFRCC	42	23.6125	12.9CGD13	99F1A5280316F1A52686
138400368B199/12143Z	199/1236C0203199/1226199/123442	13.0124	43.0CGD13	40	08.4153	24.6CGD17K	99F1A0727399F1B07274
148400016B282/10109Z	282/0958C0102282/0938282/095520	04.3155	37.0CGD14	18	12.7117	36.5CGD11	01F1A5693599F1B56966
148400016B282/06157Z	282/0647C0302282/0624282/062920	02.5155	37.2CGD14	21	23.4128	29.5CGD11	99F1A5693599F1B56936
148400016B282/16134Z	282/1624C0202282/1605282/162219	22.6142	19.2CGD14	20	03.7125	11.1CGD14	99F1A5702101F1A56935
148400016B283/04137Z	283/0322C0202283/0314283/031919	58.2155	38.2CGD14	21	19.4128	37.3CGD11	99F1A5714499F1B57145
148400016B283/20106Z	283/1847C0302283/1827283/184470	07.8155	30.0CGD14	18	40.9125	56.4CGD11	12F1A5714499F1B57289
148400016B283/10142Z	283/1031C0102283/1013283/103020	04.6155	37.8CGD14	19	11.0137	54.0CGD14	07F1A5714499F1B57208
148400016B284/19130Z	284/1929C0302284/1856284/191220	05.1155	43.8CGD14	19	25.8143	14.9CGD14	06F1B5755099F1B57626
148400016B284/15156Z	284/1539C0202284/1516284/153618	36.6125	29.1CGD11	20	04.3155	36.8CGD14	99F1A5754999F1B57550
148400016B284/04104Z	284/0351C0202284/0343284/034620	28.5146	43.5CGD14	19	59.3155	32.8CGD14	99F1A5744199F1B57442
148400046B295/14137Z	295/1435C0102295/1410295/141521	16.4157	46.6CGD14	22	38.6131	57.2CGD11	99F1A4549499F1B45495
148400046B295/20118Z	295/2013C0202295/2007295/201222	20.1138	27.1CGD14	21	16.9157	48.5CGD14	99F1A4552202F1A45494
148400104B335/10105Z	335/0954C0202335/0938335/095322	10.1159	27.9CGD14	20	30.0127	02.3CGD11	02F1B6865699F1B68616
148400104	3350356335/0355C0102335/0338335/035419	52.3114	55.7CGD11	22	07.3159	24.8CGD14	99F1A6877603F1B68656
148400104	3350326335/0325C0302335/0033335/003722	11.6159	30.0CGD14	23	42.8131	40.6CGD11	04F1B6865699F1B68771
148400104	3350321335/0321C0202334/2203334/220422	12.0159	41.8CGD14	22	49.3148	24.6CGD14	15F1B6865699F1B68765
148400104B334/05113Z	334/0504C0102334/0448334/050321	25.7145	46.9CGD14	22	10.6159	25.3CGD14	99F1A6865699F1B68656
148400158B365/07122Z	365/0635C0202365/0618365/063421	54.1159	28.5CGD14	20	26.7130	03.1CGD11	99F1A7452699F1B74527
148400158B365/09132Z	365/0927C0302365/0910365/092621	52.6159	24.5CGD14	20	10.0124	38.4CGD11	03F1A7452699F1B74548
148400158B365/17140Z	365/1735C0202365/1727365/173424	00.7116	02.7CGD11	21	55.3159	21.3CGD14	99F1A7461899F1B74619
148400158B364/21142Z	364/2139C0302364/2135364/213622	58.7145	14.8CGD14	22	10.4160	01.3CGD14	99F1A7444799F1B74448
148400160B366/00159Z	366/0053C0102366/0037366/005321	21.3158	04.5CGD14	20	01.3131	16.1CGD14	99F1A7465299F1B74653
148400172B355/18125Z	355/1820S0103355/1811355/181734	01.5155	08.2CGD14	33	06.8150	47.0CGD14	99F2A5634199F2B56342
148400208B009/19111Z	0082327008/2327C0202008/2305008/232219	02.3128	59.1CGD11	20	22.3155	28.6CGD14	99F1A6054099F1B60541
148400231B022/22144Z	022/2122C0202022/2102022/212033	27.7117	41.8CGD11	35	33.5148	53.0CGD14	99F1A6316899F1B63169
148400231B022/08145Z	022/0840C0201022/0737022/074326	57.7096	45.7CGD8	24	40.6140	05.3CGD14	99F1A6307799F1B63078
148400231B022/04158Z	022/0453S0102022/0420022/043032	51.8152	35.2CGD14	39	04.4121	57.5AFRCC	99F1A6304599F1B63046
148400231B021/16131Z	021/1609C0102021/1541021/160133	58.4118	31.5CGD11	36	23.4156	08.0CGD14	99F1A6291599F1B62916
148400231B021/16128Z	021/1601C0102021/1537021/155821	04.3156	01.7CGD14	19	22.3120	20.2CGD11	99F1A6290999F1B62910

148400231B021/16:27Z	021/1558C0102021/1537021/155620	16.5155	49.6CGD14	18	32.6120	35.1CGD11	99F1A6290799F1B62908
148400231B021/16:26Z	021/1556C0102021/1536021/155419	49.2155	48.6CGD14	18	04.4120	38.7CGD11	99F1A6290599F1B62906
148400231B021/16:23Z	021/1455C0102021/1350021/141915	55.2131	42.5CGD14	14	15.3092	08.70THER	99F1A6289899F1B62899
148400231B021/04:26Z	021/0415C0102021/0359021/041321	38.3149	54.5CGD14	21	50.9146	07.2CGD14	99F1A6281799F1B62818
148400231B021/04:25Z	021/0408C0102021/0359021/040422	02.7144	22.7CGD14	21	38.7151	40.3CGD14	99F1A6281599F1B62816
148400231B020/22:35Z	020/2229C0203020/2148020/221829	44.2163	33.6CGD14	27	38.1121	44.7CGD11	99F1A6269299F1B62693
148400231B020/22:43Z	020/2238C0203020/2148020/222330	04.7164	46.3CGD14	27	51.2120	32.4CGD11	99F1A6269799F1B62698
148400231B019/21:45Z	019/2141C0202019/2122019/213633	55.4119	39.4CGD11	35	52.3146	26.3CGD14	99F1A6256099F1B62561
148400231B020/03:37Z	020/0331C0103020/0320020/032932	44.0156	46.3CGD14	35	02.4119	08.8AFRCC	99F1A6259799F1B62598
148400231B020/03:37Z	020/0329C0103020/0320020/032631	46.6157	52.8CGD14	34	03.4118	15.6AFRCC	99F1A6259599F1B62596
148400231B019/06:59Z	019/0450S0103019/0343019/040226	53.0149	42.2CGD14	36	41.7104	09.2AFRCC	99F2A6245499F2B62455
148400231B018/02:35Z	018/0232C0102018/0215018/022217	44.5132	59.4CGD14	19	22.4099	00.3MEXICO	99F1A6220099F1B62201
148400231B018/04:24Z	018/0421S0102018/0406018/041739	13.7118	15.5AFRCC	32	48.9149	36.4CGD14	99F2A6221999F2B62220
148400231B018/04:33Z	018/0430S0103018/0406018/042539	44.6116	41.6AFRCC	32	36.7150	51.8CGD14	99F2A6222499F2B62225
148400231B018/09:26Z	018/0922C0202018/0910018/092238	24.8122	28.2AFRCC	36	11.3151	32.0CGD14	99F1A6224899F1B62249
148400231B017/06:37Z	017/0442S0102017/0424017/044024	35.9126	22.4CGD11	20	30.0144	54.7CGD14	99F1A6202199F1B62022
148400231B017/04:46Z	017/0329C0103017/0321017/032633	59.0118	23.8CGD11	32	13.0147	53.4CGD14	99F1A6200899F1B62009
148400231B017/06:44Z	017/0447S0102017/0425017/044531	15.1115	50.5OTHER	22	15.6157	43.0CGD14	99F1A6202399F1B62024
148400231B017/06:44Z	017/0451S0102017/0426017/044925	12.5157	20.4CGD14	33	36.6117	40.1AFRCC	99F1A6202699F1B62027
148400231B017/06:30Z	017/0439S0102017/0426017/043732	38.9117	10.7CGD11	24	03.5157	16.1CGD14	99F1A6201999F1B62020
148400231B017/10:38Z	017/1033C0202017/1031017/103321	21.5157	46.7CGD14	21	50.1149	20.1CGD14	99F1A6204899F1B62049
148400231B015/16:11Z	015/1613S0110015/1548015/154823	04.8079	12.9CGD7	39	32.7158	48.2CGD14	99F1A6181199F1B61812
148400231B016/07:35Z	016/0551S0103016/0449016/050738	30.2122	28.3AFRCC	29	23.0165	43.4CGD14	99F1A6190199F1B61902
148400231B016/07:35Z	016/0554S0103016/0448016/050723	12.5167	00.0CGD14	33	49.9118	03.6AFRCC	99F1A6190399F1B61904
148400231B016/07:36Z	016/0605S0102016/0450016/050041	25.3121	00.6AFRCC	31	37.7168	58.5CGD14	99F1A6190599F1B61910
148400231B022/09:30Z	022/0926C0203022/0918022/092539	10.7122	10.5AFRCC	36	00.5168	50.3CGD14	12F1B6306499F1B63080
148400231B022/08:47Z	022/0842C0202022/0737022/074825	48.4097	26.4AFRCC	23	37.9139	18.6CGD14	05F1B6302499F1B63079
148400231B021/09:03Z	021/0857C0203021/0850021/085639	02.1122	38.8AFRCC	37	04.1152	05.3CGD14	09F1A6284499F1B62854
148400231B021/04:35Z	021/0430C0102021/0359021/042022	20.9149	10.2CGD14	22	20.9149	10.2CGD14	99F1A6282300F1A62823
148400231B020/22:41Z	020/2235C0203020/2148020/222028	26.1162	50.8CGD14	26	20.6122	40.5CGD11	99F1A6269622F1A62667
148400231B019/06:35Z	019/0411C0103019/0244019/025136	40.8150	24.9CGD14	39	36.0104	48.5AFRCC	99F1A6244707F2B62432
148400231B019/06:55Z	019/0433S0102019/0344019/035739	32.6104	53.9AFRCC	29	57.0151	13.6CGD14	11F2B6243299F2B62453
148400231B019/06:55Z	019/0423S0102019/0342019/035632	41.8114	33.5AFRCC	27	32.4138	54.1CGD14	02F2A6241799F2R62450
148400231B014/04:21Z	014/0407S0102014/0351014/040436	13.1115	05.9AFRCC	30	11.7144	11.2CGD14	11F2A6158599F2B61613
148400231B014/04:21Z	014/0416S0103014/0351014/041130	16.9144	37.8CGD14	36	41.4114	23.8AFRCC	99F2A6161424F2A61608
148400231B016/07:36Z	016/0604S0102016/0450016/045838	44.5122	17.9AFRCC	29	47.1166	14.0CGD14	16F1A6190199F1B61908
178400007S12 OCT 84 22 08Z	2862205286/2204C0303286/2152286/220363	45.1134	40.4OTHER	57	13.6155	30.0CGD17K	99F1A5805399F1B58054
178400007S12 OCT 84 21 41Z	2862133286/2133C0103286/2114286/213257	13.7148	41.0CGD17K	56	45.3153	33.3CGD17K	99F1A5804605F1A57962
178400007S12 OCT 84 21 38Z	2862128286/2128C0103286/2114286/212757	09.4150	01.1CGD17K	56	55.5152	17.5CGD17K	99F1A5804499F1B58045
178400007S12 OCT 84 20 35Z	2862032286/2032C0303286/2005286/203056	26.6153	29.5CGD17K	58	09.5171	18.0CGD17K	22F1A5796299F1B58043
178400007S12 OCT 84 20 23Z	2862019286/2019C0303286/2005286/201856	39.0154	40.9CGD17K	58	07.4169	57.6CGD17K	99F1A5804199F1B58042
178400007S12 OCT 84 18 39Z	2861834286/1833C0303286/1820286/183256	35.9153	36.1CGD17K	53	39.3120	27.7CMCC	13F1A5796299F1B58040
178400007S12 OCT 84 10 57Z	2861044286/1043C0103286/1023286/104256	49.2153	40.9CGD17K	55	26.3139	44.1CGD17J	99F1A5796299F1B57963
178400007	2861042286/1042C0103286/1023286/104155	51.4155	29.8CGD17K	54	13.3138	41.9CMCC	99F1A5796099F1B57961
178400007	2861043286/1043C0103286/1023286/104256	49.2153	40.9CGD17K	55	26.3139	44.1CGD17J	99F1A5796299F1B57963
178400007S12 OCT 84 10 57Z	2861037286/1037C0103286/1023286/103556	15.7153	40.1CGD17K	54	59.6140	21.8CGD17J	99F1A5795899F1B57959
178400007	2861038286/1037C0103286/1023286/103556	15.7153	40.1CGD17K	54	59.6140	21.8CGD17J	99F1A5795899F1B57959
178400007S12 OCT 84 08 38Z	2860820286/0820C0303286/0809286/081956	35.9154	43.4CGD17K	51	51.5152	29.4OTHER	12F1B5783899F1B57951
178400007S12 OCT 84 05 50Z	2860539286/0539C0303286/0438286/045156	50.4153	53.1CGD17K	61	19.2106	04.2CMCC	21F1B5783899F1B57926
178400007S12 OCT 84 05 32Z	2860517286/0505C0203286/0244286/025954	30.1146	53.5CGD17K	56	07.0147	48.8CGD17K	99F1A5790399F1B57904
178400007S12 OCT 84 05 29Z	2860517286/0504C0202286/0244286/025957	59.0140	57.2CGD17J	56	32.8154	42.9CGD17K	99F1A5790212F1B57838
178400007S12 OCT 84 05 26Z	2860516286/0503C0202286/0244286/025957	59.0140	57.2CGD17J	56	32.8154	42.9CGD17K	99F1A5790212F1B57838
178400007S12 OCT 84 05 26Z	2860516286/0501C0203286/0244286/025556	20.6155	17.3CGD17K	57	50.7139	56.2CGD17J	99F1A5790099F1B57901
178400007S12 OCT 84 05 05Z	2860500286/0500C0203286/0244286/025556	20.6155	17.3CGD17K	57	50.7139	56.2CGD17J	99F1A5790099F1B57901
178400007S12 OCT 84 04 51Z	2860432286/0432C0103286/0010286/001850	21.0136	50.8OTHER	55	37.2156	58.5CGD17K	99F1A5787599F1B57876
178400007S12 OCT 84 04 23Z	2860416286/0416C0303286/2122285/213560	16.4150	47.8OTHER	55	03.6153	22.3CGD17K	99F1A5784799F1B57848
178400007S12 OCT 84 04 20Z	2860413286/0413C0103286/2042285/205244	09.1157	11.4CGD17K	47	20.4116	48.7AFRCC	99F1A5784199F1B57842
178400007S12 OCT 84 04 13Z	2860410286/0410C0302285/1936285/194056	22.5152	15.8CGD17K	56	35.4154	20.3CGD17K	99F1A5783799F1B57838
178400007S12 OCT 84 04 10Z	2860404286/0403C0203285/1741285/175459	53.8174	53.7CGD17A	57	03.5155	28.7CGD17K	99F1A5782499F1B57825
178400007S12 OCT 84 04 10Z	2860403286/0403C0203285/1741285/175459	53.8174	53.7CGD17A	57	03.5155	28.7CGD17K	99F1A5782499F1B57825
178400007S11 OCT 84 16 27Z	2851623285/1623C0203285/1555285/161455	29.5137	37.4CGD17J	56	39.2151	58.6CGD17K	99F1A5781499F1B57815
178400007S11 OCT 84 16 25Z	2851622285/1622C0203285/1555285/161455	29.5137	37.4CGD17J	56	39.2151	58.6CGD17K	99F1A5781499F1B57815
178400007S11 OCT 84 16 16Z	2851609285/1608C0202285/1555285/160756	42.7152	29.6CGD17K	55	06.9136	13.5CGD17J	99F1A5780699F1B57807
178400007S11 OCT 84 16 13Z	2851608285/1608C0202285/1555285/160756	42.7152	29.6CGD17K	55	06.9136	13.5CGD17J	99F1A5780699F1B57807
178400007S11 OCT 84 16 08Z	2851605285/1604C0202285/1555285/160256	27.0153	09.5CGD17K	54	43.0135	46.7CGD17J	99F1A5780499F1B57805
178400007S11 OCT 84 16 10Z	2851604285/1604C0202285/1555285/160256	27.0153	09.5CGD17K	54	43.0135	46.7CGD17J	99F1A5780499F1B57805

178400007S11	OCT	84	13	56Z	2851348285/1334C0103285/1322285/133258	29.1151	53.9CGD17K	65	47.3131	25.50THER	99F1A5778699F1B57787
178400007S11	OCT	84	10	35Z	2851003285/1003C0103285/0948285/100156	48.6154	10.3CGD17K	53	42.3120	27.5CMCC	22F1A5762999F1B57739
178400007					2851004285/1004C0103285/0948285/100257	05.7155	30.0CGD17K	53	38.4118	52.7CMCC	99F1A5774099F1B57741
178400007S11	OCT	84	10	06Z	2850959285/0959C0102285/0946285/095645	30.1122	58.8AFRCC	48	07.3154	59.6CGD17K	08F1B5772999F1B57738
178400007S11	OCT	84	10	06Z	2850958285/0957C0102285/0948285/095552	57.4119	34.6CMCC	56	27.1155	03.2CGD17K	99F1A577305F1A57711
178400007S11	OCT	84	08	10Z	2850755285/0755C0303285/0741285/075356	10.2154	35.6CGD17K	52	36.0167	51.3CGD17A	19F1A5771199F1B57724
178400007S11	OCT	84	08	02Z	2850754285/0753C0303285/0739285/075260	46.1150	43.7AACRCC	55	55.6162	20.7CGD17A	99F1A5772299F1B57723
178400007					2850755285/0754C0303285/0741285/075356	10.2154	35.6CGD17K	52	36.0167	51.3CGD17A	19F1A5771199F1B57724
178400007S11	OCT	84	07	09Z	2850633285/0633C0303285/0555285/061356	26.7154	51.6CGD17K	57	46.5141	30.9CGD17K	99F1A5771199F1B57712
178400007S11	OCT	84	04	39Z	2850421285/0421C0203285/0401285/042056	18.3153	18.1CGD17K	54	07.1175	43.6CGD17A	99F1A5770099F1B57701
178400007					2850422285/0421C0203285/0401285/042056	18.3153	18.1CGD17K	54	07.1175	43.6CGD17A	99F1A5770099F1B57701
178400007S11	OCT	84	04	27Z	2850416285/0415C0203285/0401285/041356	27.5154	12.8CGD17K	54	26.4174	42.1CGD17A	05F1A5762999F1B57697
178400007S11	OCT	84	04	27Z	2850414285/0414C0203285/0359285/041261	10.6150	02.5AACRCC	57	59.2178	35.1CGD17A	99F1A5769599F1B57696
178400007					2850415285/0415C0203285/0401285/041356	27.5154	12.8CGD17K	54	26.4174	42.1CGD17A	05F1A5762999F1B57697
178400007S11	OCT	84	02	47Z	2850239285/0239C0202285/0215285/023656	48.2153	14.4CGD17K	59	47.5124	43.9CMCC	99F1A5767899F1B57679
178400007S11	OCT	84	02	33Z	2850229285/0229C0203285/0215285/022656	24.8154	18.5CGD17K	59	29.1122	44.1CMCC	09F1A5762999F1B57672
178400007S10	OCT	84	21	21Z	2842108284/2107C0303284/2052284/210556	27.3154	03.2CGD17K	59	38.3171	55.0CGD17A	99F1A5762999F1B57630
178400007S10	OCT	84	21	17Z	2842107284/2107C0303284/2052284/210556	27.3154	03.2CGD17K	59	38.3171	55.0CGD17A	99F1A5762999F1B57630
178400007S10	OCT	84	20	18Z	2842007284/1932C0302284/1906284/191656	51.8154	14.0CGD17K	55	00.2135	17.3CGD17J	11F1B5747199F1B57628
178400007S10	OCT	84	20	16Z	2842006284/1932C0302284/1906284/191656	51.8154	14.0CGD17K	55	00.2135	17.3CGD17J	11F1B5747199F1B57628
178400007S10	OCT	84	20	12Z	2842005284/1930C0302284/1906284/191356	32.9153	25.3CGD17K	54	50.9136	09.7CGD17J	20F1B5755499F1B57627
178400007					2842006284/1931C0302284/1906284/191356	32.9153	25.3CGD17K	54	50.9136	09.7CGD17J	20F1B5755499F1B57627
178400007S10	OCT	84	15	58Z	2841551284/1535C0202284/1527284/153456	37.9154	37.7CGD17K	53	12.4118	11.8CMCC	03F1B5744499F1B57546
178400007S10	OCT	84	16	05Z	2841556284/1547C0203284/1527284/154553	13.9119	09.2CMCC	56	15.0153	06.9CGD17K	99F1A5755399F1B57554
178400007S10	OCT	84	13	23Z	2841302284/1302C0103284/1246284/125957	49.5153	53.6CGD17K	62	43.7156	36.30THER	99F1A5752799F1B57528
178400007					2841303284/1303C0103284/1246284/130157	18.8154	05.1CGD17K	62	13.2156	27.90THER	21F1B5747199F1B57529
178400007S10	OCT	84	13	15Z	2841300284/1300C0103284/1246284/125863	08.4171	30.0CGD17K	64	01.6179	59.2CGD17A	99F1A5752599F1B57526
178400007S10	OCT	84	13	11Z	2841259284/1259C0103284/1245284/125756	07.5152	08.7CGD17K	61	19.2152	27.10THER	99F1A5752399F1B57524
178400007S10	OCT	84	09	31Z	2840918284/0918C0101284/0913284/091653	18.7114	48.6CMCC	55	38.2138	01.7CGD17J	14F1B5737799F1B57497
178400007					2840925284/0925C0102284/0913284/092451	53.5101	29.3CMCC	56	44.2154	11.5CGD17K	99F1A5750014F1B57444
178400007S10	OCT	84	08	26Z	2840822284/0822C0303284/0711284/072354	48.6175	41.6CGD17A	56	58.3153	54.5CGD17K	99F1A5747099F1B57471
178400007					2840809284/0809C0303284/0526284/054059	51.2123	49.3CMCC	56	54.5154	08.2CGD17K	99F1A5745923F1B57444
178400007					2840811284/0811C0303284/0527284/054249	22.0158	27.5CGD17K	53	17.0114	40.6CMCC	99F1A5746009F1B57353
178400007S10	OCT	84	04	10Z	2840357284/0357C0203284/0331284/034862	01.7139	31.3CMCC	58	29.8174	00.4CGD17K	99F1A5744599F1B57446
178400007S10	OCT	84	04	06Z	2840353284/0353C0203284/0332284/034756	13.3158	09.0CGD17K	56	35.9154	32.8CGD17K	99F1A5744399F1B57444
178400007S10	OCT	84	04	01Z	2840350284/0350C0203284/0331284/034659	37.2164	24.6CGD17K	61	01.7150	57.9CGD17K	99F1A5743999F1B57440
178400007S10	OCT	84	04	01Z	2840347284/0347C0202284/0332284/034556	15.4157	29.2CGD17K	56	29.1155	18.3CGD17K	99F1A5743599F1B57436
178400007					2840349284/0349C0203284/0331284/034560	46.4161	56.8CGD17K	61	36.4153	59.9AACRCC	99F1A5743799F1B57438
178400007S10	OCT	84	03	51Z	2840346284/0345C0203284/0331284/034461	09.2149	56.4AACRCC	59	33.2165	19.5CGD17K	00F1A5730799F1B57434
178400007S10	OCT	84	02	55Z	2840251284/0251C0202284/0144284/021759	59.4165	50.0CGD17K	67	26.1093	06.2CMCC	99F1A5741999F1B57420
178400007S10	OCT	84	02	24Z	2840218284/0218C0202284/0146284/021262	21.8106	22.9CMCC	57	28.4153	20.2CGD17K	99F1A5739799F1B57398
178400007S10	OCT	84	02	16Z	2840211284/0211C0203284/0146284/020956	05.6154	34.1CGD17K	61	00.4103	11.0CMCC	99F1A5738999F1B57390
178400007S-9	OCT	84	20	07Z	2831956283/1955C0103283/1929283/194859	33.6095	42.7CMCC	55	08.6141	04.1CGD17K	99F1A5730199F1B57302
178400007S-9	OCT	84	16	59Z	2831649283/1649C0202283/1644283/164855	54.0148	48.1CGD17K	56	42.4156	36.0CGD17K	23F1A5723499F1B57260
178400007S-9	OCT	84	15	17Z	2831508283/1508C0202283/1458283/150655	33.9148	25.9CGD17K	51	40.7107	45.4CMCC	99F1A5723499F1B57235
178400007S-9	OCT	84	12	44Z	2831226283/1225C0103283/1210283/122456	22.6153	45.7CGD17K	59	09.8177	15.2CGD17A	08F1A5718099F1B57220
178400007S-9	OCT	84	12	32Z	2831224283/1223C0103283/1214283/122269	49.7135	26.6CMCC	75	25.0175	49.1CGD17A	01F1A5717799F1B57219
178400007					2831225283/1225C0103283/1210283/122456	22.6153	45.7CGD17K	59	09.8177	15.2CGD17A	08F1A5718099F1B57220
178400007S-9	OCT	84	09	58Z	2830842283/0842C0303283/0827283/084052	36.9153	05.70THER	57	28.0154	20.3CGD17K	99F1A5719999F1B57200
178400007S-9	OCT	84	05	50Z	2830545283/0545C0302283/0456283/051760	54.7103	50.5CMCC	55	53.3154	17.8CGD17K	17F1A5717099F1B57176
178400007S-9	OCT	84	05	35Z	2830529283/0529C0303283/0456283/051360	42.6104	17.4CMCC	55	56.1153	44.3CGD17K	99F1A5717099F1B57171
178400007S-9	OCT	84	03	39Z	2830319283/0319C0203283/0304283/031656	33.9154	23.9CGD17K	57	55.9140	43.1CGD17J	99F1A5714299F1B57143
178400007					2830318283/0318C0203283/0304283/031656	33.9154	23.9CGD17K	57	55.9140	43.1CGD17J	99F1A5714299F1B57143
178400007S-8	OCT	84	21	25Z	2822054282/2054C0103282/2039282/205160	14.6123	30.1CMCC	57	42.7148	28.0CGD17K	99F1A5706299F1B57063
178400007					2822058282/2058C0103282/2039282/205356	41.3153	19.3CGD17K	60	03.9116	26.3CMCC	99F1A5706899F1B57069
178400007S-8	OCT	84	20	23Z	2822009282/2009C0303282/1953282/200756	48.5155	09.6CGD17K	56	20.5150	16.6CGD17K	99F1A5706099F1B57061
178400007S-8	OCT	84	16	47Z	2821626282/1625C0202282/1615282/162356	26.7156	39.4CGD17K	54	03.2132	15.7CMCC	99F1A5702299F1B57023
178400007					2821630282/1630C0203282/1615282/162856	24.5156	03.4CGD17K	54	08.2132	42.6CMCC	99F1A5702516F1B57023
178400007S-8	OCT	84	12	03Z	2821149282/1149C0103282/1134282/114756	35.4153	38.7CGD17K	57	19.7161	01.4CGD17K	99F1A5698199F1B56982
178400007S-8	OCT	84	11	57Z	2821143282/1142C0102282/1134282/113756	47.4154	46.7CGD17K	57	18.1159	38.6CGD17K	99F1A5697999F1B56980
178400010S16	OCT	84	06	56Z	2900653290/0653C0303290/0635290/064859	49.4147	45.7CGD17K	56	16.8175	23.5CGD17A	09F1A5898399F1B589025
178400010S16	OCT	84	00	09Z	2900306290/0306C0203290/0251290/030459	49.6147	26.8CGD17K	57	51.1166	41.4CGD17K	99F1A5898399F1B58984
178400010S16	OCT	84	05	09Z	2900504C0303290/0450290/050259	47.8147	48.7CGD17K	61	02.5135	56.8CMCC	11F1A5898399F1B58980
178400010S17	OCT	84	14	29Z	2911343291/1343C0201291/1332291/133859	47.7147	42.4CGD17K	54	19.0091	33.7CMCC	06F1A5920499F1B59294
178400010S17	OCT	84	09	57Z	2910954291/0954C0102291/0948291/095359	48.9147	43.1CGD17K	59	13.4142	13.8CGD17K	07F1A5920499F1B59259
178400010S17	OCT	84	08	28Z	2910815C0101291/0803291/080759	49.7147	54.8CGD17K	54	32.3094	18.5CMCC	12F1A5920499F1B59254

178400010				2910818291/0818C0103291/0803291/081359	47.4147	58.6CGD17K	54	44.6094	33.0CMCC	99F1A5925515F1B59254	
178400010517	OCT	84	08	28Z	2910810291/0809C0303291/0704291/072159	52.2147	30.5CGD17K	54	53.8159	10.80THER	01F1A5920499F1B59251
178400010					2910811291/0811C0303291/0704291/072355	26.6161	40.2CGD17A	59	54.6150	55.9AACRCC	99F1A5925299F1B59253
178400010517	OCT	84	05	59Z	2910542291/0542C0302291/0519291/053559	47.8147	16.6CGD17K	59	05.6153	49.3CGD17K	07F1A5920499F1B592230
178400010517	OCT	84	05	52Z	2910535291/0535C0303291/0519291/053359	43.3148	29.8CGD17K	59	23.8151	44.4AACRCC	99F1A5922399F1B592230
178400010					2910537291/0537C0303291/0520291/053356	32.6154	27.4CGD17K	57	33.0144	32.1CGD17K	03F1A5854299F1B592225
178400010517	OCT	84	04	25Z	2910355291/0355C0302291/0332291/035364	58.5100	31.6CMCC	59	57.7147	31.0CGD17K	99F1A5921007F1A59204
178400010517	OCT	84	03	47Z	2910335291/0335C0203291/0320291/033259	50.9147	30.1CGD17K	56	22.4177	23.8CGD17A	99F1A5920499F1B59205
178400010517	OCT	84	03	44Z	2910334291/0334C0203291/0320291/033259	50.9147	30.1CGD17K	56	22.4177	23.8CGD17A	99F1A5920499F1B59205
178400010516	OCT	84	07	39Z	2900736290/0736C0101290/0728290/073459	47.8147	36.9CGD17K	53	20.4076	33.3CMCC	05F1A5898399F1B59033
178400010516	OCT	84	07	45Z	2900740290/0740C0101290/0728290/073853	49.1076	08.5CMCC	60	22.8147	52.9CGD17K	99F1A5903599F1B590336
178400012515	OCT	84	21	35Z	2892132289/2131C0103289/2111289/212656	18.7162	40.8CGD17A	63	45.8107	45.4CMCC	99F1A5891999F1B58920
178400012515	OCT	84	21	54Z	2892152289/2152C0303289/2132289/214656	14.8162	40.0CGD17A	54	49.7177	53.7CGD17A	03F1A5891999F1B58921
178400012515	OCT	84	23	31Z	2892312289/2312C0103289/2259289/231051	44.2154	11.70THER	56	22.5154	26.3CGD17K	99F1A5893613F1A58542
178400012					2892313289/2313C0103289/2259289/231156	14.9162	42.0CGD17A	59	12.3167	30.0CGD17K	03F1A5891999F1B58937
178400012515	OCT	84	23	31Z	2892314289/2313C0103289/2259289/231156	14.9162	42.0CGD17A	59	12.3167	30.0CGD17K	99F1A5891999F1B58937
178400012					2892315289/2315C0103289/2259289/231455	07.3158	15.30THER	58	59.4161	51.2CGD17K	99F1A5893899F1B58939
178400012516	OCT	84	07	11Z	2900709290/0709C0303290/0634290/065056	14.6162	43.5CGD17A	62	03.1132	23.9CMCC	04F1A5891999F1B59026
178400012516	OCT	84	08	35Z	2900830290/0830C0303290/0821290/082957	03.4170	45.5CGD17A	56	15.5162	46.5CGD17A	99F1A5903704F1A58919
178400012					2900833290/0833C0303290/0821290/083255	49.7165	17.6CGD17A	56	10.1168	41.9CGD17A	99F1A5903899F1B59039
178400031521	NOV	84	04	05Z	3260359326/0358C0102326/0351326/035558	16.9157	33.8CGD17K	51	38.9082	35.0CMCC	99F1A6703799F1B67038
178400031521	NOV	84	11	10Z	3261054326/1054C0202326/1048326/105358	10.2156	05.5CGD17K	54	36.0120	20.8CMCC	03F1A6704399F1B67077
178400031521	NOV	84	20	48Z	3262043326/2011C0202326/1949326/200860	41.8065	59.4CMCC	53	04.9154	49.7CGD17K	99F1A6714799F1B67148
178400031					3262045326/2045C0210326/1947326/194757	52.8156	37.3CGD17K	66	22.2067	12.4CMCC	99F1A6714999F1B67150
1784001025-8	APR	84	04	05Z	0990349099/0349S0102099/0325099/032959	18.9150	40.2CGD17K	65	13.5116	05.7CMCC	02F1A3167799F1B81694
1784001025-8	APR	84	02	26Z	0990222099/0222C0203099/0151099/020459	21.3150	41.0CGD17K	55	17.4168	04.5CGD17A	99F1A8167799F1B81678
178400102					0990222099/0222C0203099/0151099/020459	21.3150	41.0CGD17K	55	17.4168	04.5CGD17A	99F1A8167799F1B81678
178400132527	JUL	84	16	48Z	2091644209/1644C0110209/1627209/162755	21.8130	43.0CGD17J	51	11.7085	06.4CMCC	15F1B0740299F1B37842
178400132527	JUL	84	12	17Z	2091211209/1211C0203209/1151209/120455	48.9130	06.3CGD17J	52	16.8170	57.7CGD17A	07F1A3773812F1A37736
178400132527	JUL	84	12	14Z	2091210209/1210C0203209/1151209/120455	48.9130	06.3CGD17J	52	16.8170	57.7CGD17A	07F1A3773812F1A37736
178400132527	JUL	84	10	42Z	2091037209/1037C0201209/1005209/102555	36.7129	55.0CGD17J	56	29.5121	25.4CMCC	18F1A3773804F1A37714
178400132527	JUL	84	10	29Z	2091018209/1018C0203209/1005209/101555	31.4130	42.1CGD17J	56	32.9120	12.2CMCC	23F1B0740299F1B37781
178400132527	JUL	84	09	16Z	2090906209/0906C0201209/0819209/084855	22.9130	34.5CGD17J	61	44.4064	13.0CMCC	14F1B0740219F1A37687
178400132					2090910209/0910C0202209/0819209/085154	50.3131	00.3CGD17J	61	19.5063	27.2CMCC	99F1A3777999F1B37780
178400132527	JUL	84	06	42Z	2090634209/0634C0102209/0615209/062955	50.0130	18.4CGD17J	51	56.4171	13.9CGD17A	99F1A3773916F1A37736
178400132527	JUL	84	04	50Z	2090441209/0441C0103209/0429209/043955	30.7130	35.5CGD17J	56	27.8120	57.4CMCC	22F1B0740299F1B37708
178400132527	JUL	84	03	31Z	2090322209/0322C0110209/0242209/024261	28.3064	39.4CMCC	55	14.9130	26.2CGD17J	99F1A3768706F1B07402
178400132527	JUL	84	01	32Z	2090126209/0125C0203209/0102209/011758	51.7167	47.2CGD17K	55	17.4130	46.6CGD17J	99F1A3764512F1B07402
178400132527	JUL	84	00	56Z	2090045208/2325C0201208/2316208/232155	29.9130	48.6CGD17J	53	54.0114	34.4CMCC	23F1B0740299F1B37601
178400132526	JUL	84	19	59Z	2081935208/1935C0102208/1923208/193358	50.2167	05.3CGD17K	55	09.3130	29.6CGD17J	99F1A0740199F1B07402
178400132526	JUL	84	19	40Z	2081932208/1932C0102208/1921208/193150	09.4178	20.8CGD17A	45	26.5122	34.7AFRCC	99F1A0739999F1B07400
178400132					2081934208/1934C0102208/1923208/193358	50.2167	05.3CGD17K	55	09.3130	29.6CGD17J	99F1A0740199F1B07402
178400152523	NOV	84	11	07Z	3281047328/1047C0103328/1021328/103060	53.8164	52.2CGD17K	70	15.2085	06.30THER	99F1A6751199F1B67512
178400152523	NOV	84	11	24Z	3281101328/1100C020328/1001328/100560	50.2164	41.6CGD17K	54	28.0097	20.8CMCC	06F1A6751199F1B67525
178400152523	NOV	84	12	19Z	3281148328/1147C0202328/1146328/114760	57.5164	26.0CGD17K	58	42.1143	31.8CGD17K	13F1A6751199F1B67536
178400152523	NOV	84	14	09Z	3281343328/1342C0203328/1331328/134164	02.5165	24.00THER	61	01.6164	54.1CGD17K	99F1A6754008F1A67511
1784001525					3281748328/1747C0103328/1735328/174760	56.2164	40.9CGD17K	59	56.0174	22.7CGD17K	05F1A6751199F1B67562
178400170513	SEP	84	20	31Z	2572027257/2027C0203257/2013257/202461	01.0169	41.80THER	55	33.2132	38.5CGD17J	10F1B5107799F1B51145
178400170513	SEP	84	20	22Z	2572015257/2014C0302257/2002257/201352	02.8094	59.9CMCC	55	30.0131	46.0CGD17J	99F1A5114012F1B51005
178400170513	SEP	84	14	52Z	2571448257/1448C0103257/1435257/144655	28.6132	05.8CGD17J	60	56.4169	23.00THER	01F1B5100599F1B51077
178400170513	SEP	84	08	33Z	2570829257/0828C0302257/0807257/082655	30.2132	32.5CGD17J	55	17.1132	44.9CGD17J	14F1B5100599F1B51043
178400170513	SEP	84	07	34Z	2570721257/0720C0202257/0632257/064555	25.0131	29.4CGD17J	51	18.3174	19.8CGD17A	99F1A5103199F1B51032
178400170513	SEP	84	07	32Z	2570721257/0720C0203257/0632257/064351	43.6173	25.6CGD17A	55	30.6132	21.5CGD17J	99F1A5103008F1B51005
178400170513	SEP	84	05	20Z	2570514257/0514C0203257/0447257/045656	17.0124	17.7CMCC	55	29.2137	07.9CGD17J	99F1A5100499F1B51005
178400208513	AUG	84	23	23Z	2262320226/2320C0203226/2303226/231759	40.9151	42.4CGD17K	59	01.0144	58.8CGD17K	05F1A4225099F1B42315
178400208513	AUG	84	19	39Z	2261936226/1936C0103226/1922226/193359	40.4151	32.3CGD17K	64	41.9155	41.80THER	99F1A4225099F1B42251
178400210514	AUG	84	05	19Z	2270454227/0357C0103227/0239227/035562	19.2118	03.9CMCC	59	45.9143	58.5CGD17K	99F1A4242299F1B42423
178400210514	AUG	84	10	12Z	2271007227/1007C0203227/0950227/100357	43.6153	11.0CGD17K	57	41.5153	49.7CGD17K	99F1A4250021F1B42418
178400210514	AUG	84	08	52Z	2270851227/0843C0202227/0804227/083364	15.3102	14.3CMCC	59	05.2151	50.1CGD17K	99F1A4249917F1B42420
178400210514	AUG	84	08	48Z	2270845227/0821C0203227/0804227/081757	49.2152	21.8CGD17K	62	45.8099	34.9CMCC	02F1A4233799F1B42492
178400210514	AUG	84	06	11Z	2270605227/0555C0103227/0426227/051558	05.2156	39.4CGD17K	58	00.4157	08.8CGD17K	99F1A4245599F1B42454
178400210514	AUG	84	06	06Z	2270604227/0553C0103227/0425227/051359	01.0145	33.4CGD17K	56	48.9167	23.5CGD17K	99F1A4245399F1B42454
178400210514	AUG	84	06	57Z	2270655227/0655C0103227/0611227/062257	45.1152	24.1CGD17K	52	52.6151	42.80THER	02F1A4233799F1B42461
178400210514	AUG	84	03	38Z	2270331227/0332C0102227/0238227/032064	14.9108	00.3CMCC	59	26.8153	10.7CGD17K	99F1A4238799F1B42388
178400210514	AUG	84	05	07Z	2270453227/0354C0103227/0239227/034563	00.6108	11.7CMCC	58	48.0151	58.5CGD17K	99F1A4241999F1B42420
178400210514	AUG	84	05	08Z	2270448227/0347C0102227/0238227/033660	03.4152	23.8CGD17K	64	40.2109	34.4CMCC	99F1A4241099F1B42411

178400210S14	AUG	84	05	32Z	2270529227/0441C0103227/0426227/043957	47.6152	33.8CGD17K	56	59.3160	35.4CGD17K	05F1A4233799F1B42428
178400210S14	AUG	84	04	40Z	2270435227/0334C0102227/0239227/033063	24.5111	58.6CMCC	59	20.6149	43.0CGD17K	99F1A4239799F1B42398
178400210S14	AUG	84	04	37Z	2270433227/0330C0102227/0240227/032757	04.4146	10.0CGD17K	60	24.5113	41.0CMCC	99F1A4239399F1B42394
178400210S14	AUG	84	04	52Z	2270438227/0339C0102227/0240227/033259	56.7108	38.1CMCC	55	48.8149	48.9CGD17K	99F1A4240299F1B42403
178400210					2270439227/0341C0102227/0241227/033355	22.2136	03.0CGD17J	56	41.7123	06.9CMCC	99F1A4240499F1B42405
178400210S14	AUG	84	03	19Z	2270316227/0316C0102227/0239227/031259	54.2146	27.5CGD17K	63	13.0116	00.3CMCC	99F1A4237999F1B42380
178400210S14	AUG	84	03	32Z	2270328227/0318C0103227/0239227/031362	43.3113	56.2CMCC	59	25.6147	10.1CGD17K	99F1A4238199F1B42382
178400210					2270330227/0321C0102227/0239227/031863	22.2114	35.8CMCC	59	48.7147	39.2CGD17K	99F1A4238599F1B42386
178400210S14	AUG	84	10	21Z	2271014227/1014C020227/0950227/100557	51.0151	24.5CGD17K	57	24.4155	37.8CGD17K	12F1B4239099F1B42505
178400210S14	AUG	84	03	41Z	2270332227/0325C0103227/0239227/032361	56.8108	25.9CMCC	57	39.0151	30.8CGD17K	99F1A4238999F1B42390
178400210S14	AUG	84	03	17Z	2270314227/0314C0103227/0239227/031061	28.4105	08.2CMCC	57	03.8152	36.1CGD17K	99F1A4237799F1B42378
178400210S14	AUG	84	03	07Z	2270301227/0300C0103227/0239227/025958	22.2151	13.7CGD17K	62	34.4109	14.5CMCC	99F1A4236999F1B42370
178400210S14	AUG	84	05	43Z	2270532227/0455C0102227/0426227/045258	17.1152	18.1CGD17K	57	20.0161	17.4CGD17K	99F1A4243399F1B42434
178400210S14	AUG	84	05	40Z	2270532227/0453C0102227/0426227/044956	16.3160	54.7CGD17K	57	12.6151	55.0CGD17K	99F1A4243199F1B42432
178400210S14	AUG	84	05	55Z	2270539227/0522C0102227/0426227/045957	32.7153	54.8CGD17K	56	58.3159	21.5CGD17K	14F1B4242599F1B42444
178400210S14	AUG	84	05	46Z	2270533227/0457C0102227/0426227/045257	37.5160	13.5CGD17K	58	20.1153	32.0CGD17K	99F1A4243519F1B42418
178400210S14	AUG	84	05	21Z	2270455227/0400C0103227/0239227/035962	17.4105	04.9CMCC	57	25.8154	18.0CGD17K	99F1A4242499F1B42425
178400210S14	AUG	84	04	54Z	2270440227/0343C0103227/0239227/033561	57.1110	47.5CMCC	58	18.3148	50.1CGD17K	99F1A4240699F1B42407
178400210S14	AUG	84	05	52Z	2270537227/0511C0103227/0426227/045658	16.5149	07.6CGD17K	56	45.1164	05.3CGD17K	09F1B4240799F1B42443
178400210S14	AUG	84	15	03Z	2271458227/1458C0102227/1440227/144857	55.7152	19.2CGD17K	51	11.7074	18.9CMCC	09F1A4233799F1B42533
178400210S14	AUG	84	15	51Z	2271536227/1518C0110227/1440227/144059	16.3150	06.5CGD17K	52	55.4075	37.1CMCC	99F1A4254099F1B42541
178400210S14	AUG	84	15	51Z	2271539227/1528C0102227/1440227/145850	27.5074	16.3CMCC	57	09.6152	42.0CGD17K	99F1A4255199F1B42552
178400210S14	AUG	84	16	50Z	2271645227/1634C0102227/1624227/163157	46.6152	23.6CGD17K	54	36.0120	49.2CMCC	00F1A4233799F1B42567
178400210					2271647227/1637C0102227/1620227/163442	14.3124	37.6CGD13	44	32.2153	54.1CGD17K	99F1A4256899F1B42569
178400210S14	AUG	84	22	08Z	2272203227/2203C020227/2146227/215653	19.2110	21.7CMCC	57	53.5156	09.9CGD17K	99F1A4262999F1B42630
178400210S14	AUG	84	22	40Z	2272228227/2211C0203227/2146227/220353	12.0110	08.9CMCC	57	12.0156	02.3CGD17K	10F1A4262999F1B42631
178400214S18	DEC	84	19	01Z	3531854353/1853C0202353/1837353/185255	55.1131	58.8CGD17J	53	59.6151	35.3CGD17K	99F1A7195099F1B71951
178400238S27	JAN	84	13	33Z	0271328027/1304C0101027/1217027/123956	34.9135	20.0CGD17J	50	01.6053	14.6CMCC	99F1A6454899F1B64549
178400238					0270253027/0253S0101027/0237027/024155	34.5136	09.9CGD17J	61	24.9102	25.9CMCC	99F1A6443399F1B64434
178400238S27	JAN	84	03	38Z	0270322027/0322S0102027/0237027/025061	53.4104	58.2CMCC	56	40.1134	58.6CGD17J	99F1A6444299F1B64443
178400238S26	JAN	84	19	56Z	0261952026/1952S0102026/1827026/183655	56.4135	31.3CGD17J	60	31.8161	47.0AACRCC	99F1A6432399F1B64324
178400238S26	JAN	84	16	49Z	0261642026/1642S0110026/1506026/150644	50.5069	44.7AFRCC	56	45.6135	25.6CGD17J	99F1A6427199F1B64272
178400238					0260129026/0129S0101026/0120026/012355	46.5135	32.7CGD17J	67	24.7064	12.8CMCC	99F1A6407999F1B64080
178400238S26	JAN	84	02	40Z	0260237026/0148S0110026/0120026/012055	15.0135	45.7CGD17J	67	06.7063	34.6CMCC	99F1A6409299F1B64093
178400238					0251602025/1601S0110025/1528025/152845	15.2080	47.8CMCC	55	32.7135	18.7CGD17J	99F2A6396499F2B63965
178400238					0251316025/1316C0101025/1252025/131150	21.1061	56.2CMCC	56	17.6136	12.5CGD17J	99F1A6393299F1B63933
178400238					0250535025/0535S0102025/0501025/050649	31.8169	35.7CGD17A	55	40.7135	11.1CGD17J	99F1A6334299F1B63343
178400238					0250536025/0536S0102025/0501025/050649	31.8169	35.7CGD17A	55	40.7135	11.1CGD17J	99F1A6334299F1B63343
178400238S25	JAN	84	03	30Z	0250321025/0321S0110025/0141025/014155	03.3135	48.8CGD17J	65	20.7074	25.2CMCC	99F1A6380399F1B63804
178400238S24	JAN	84	17	48Z	0241743024/1743S0102024/1550024/162248	02.5089	29.6CMCC	56	20.1135	23.5CGD17J	99F2A6366699F2B63667
178400238					0240552024/0552C0204024/0451024/052055	44.1135	19.4CGD17J	64	36.6032	36.10THER	99F1A6354099F1B63541
178400238					0240554024/0554C0204024/0451024/052156	15.7135	38.2CGD17J	65	10.0032	30.20THER	99F1A6354299F1B63543
178400238S23	JAN	84	18	57Z	0231835023/1835S0103023/1752023/181855	44.6135	19.3CGD17J	57	34.7145	37.6CGD17K	99F2A6336599F2B63366
178400238S23	JAN	84	18	57Z	0231836023/1836S0103023/1752023/181855	44.6135	19.3CGD17J	57	34.7145	37.6CGD17K	99F2A6336599F2B63366
178400238S23	JAN	84	10	18Z	0230955023/0954C0202023/0942023/091851	42.9178	28.3CGD17A	55	51.4135	59.8CGD17J	99F1A6326299F1B63263
178400238S23	JAN	84	10	18Z	0230955023/0955C0202023/0942023/095455	37.5135	10.0CGD17J	51	23.6179	00.0CGD17A	99F1A6326499F1B63265
178400238S23	JAN	84	10	18Z	0230956023/0956C0202023/0942023/095455	37.5135	10.0CGD17J	51	23.6179	00.0CGD17A	99F1A6326499F1B63265
178400238S23	JAN	84	10	18Z	0230954023/0954C0202023/0942023/095351	42.9178	28.3CGD17A	55	51.4135	59.8CGD17J	99F1A6326299F1B63263
178400238S27	JAN	84	22	19Z	0272213027/2213C0202027/2146027/215460	59.6151	55.7AACRCC	59	36.0138	59.4CGD17J	99F1A6467799F1B64678
178400238S22	JAN	84	00	54Z	0230052023/0052S0101023/0045923/005170	43.7045	55.10THER	56	45.7135	49.4CGD17J	99F1A6320999F1B63210
178400238S23	JAN	84	00	40Z	0230014023/0014C0110022/2339022/233956	46.7136	52.9CGD17J	65	00.7045	30.40THER	99F1A6319299F1B63193
178400238S22	JAN	84	18	31Z	0221825022/1825S0102022/1814022/182455	58.7136	28.1CGD17J	59	09.0154	26.0AACRCC	99F1A6314199F1B63142
178400238S22	JAN	84	18	31Z	0221829022/1829S0103022/1813022/182759	53.6149	52.8AACRCC	57	58.6139	04.6CGD17J	99F1A6314399F1B63144
178400238S27	JAN	84	04	38Z	0270427027/0427S0102027/0417027/042253	18.9150	05.5CGD17K	55	56.6135	27.3CGD17J	99F1A6446202F1A64323
178400238S27	JAN	84	04	38Z	0270428027/0427S0102027/0417027/042253	18.9150	05.5CGD17K	55	56.6135	27.3CGD17J	99F1A6446202F1A64323
178400238S27	JAN	84	06	34Z	0270619027/0619C0201027/0431027/050956	15.7135	03.2CGD17J	65	09.5033	49.10THER	24F1B6444399F1B644480
178400238S27	JAN	84	09	57Z	0270924027/0924C0210027/0619027/061955	57.7135	29.4CGD17J	60	12.1094	08.5CMCC	02F1A6432399F1B64485
178400238S27	JAN	84	09	57Z	0270948027/0948C0202027/0805027/082356	01.2135	27.1CGD17J	54	50.9146	58.1CGD17K	05F1A6432399F1B64495
178400238S27	JAN	84	09	57Z	0270949027/0949C0202027/0305027/082356	01.2135	27.1CGD17J	54	50.9146	58.1CGD17K	05F1A6432399F1B64495
178400238S27	JAN	84	14	32Z	0271412027/1411C0101027/1401027/140856	04.2135	23.0CGD17J	52	42.2099	47.5CMCC	09F1A6432399F1B64595
178400238					0271602027/1602C0102027/1547027/155356	04.9135	26.2CGD17J	57	36.0150	06.2CGD17K	09F1A6432399F1B64604
178400238S27	JAN	84	18	15Z	0271603027/1603C0102027/1547027/155356	04.9135	26.2CGD17J	57	36.0150	06.2CGD17K	09F1A6432399F1B64604
178400238S					0271701027/1701S0102027/1626027/164156	04.4135	19.1CGD17J	50	45.9105	44.1CMCC	10F1A6432399F1B64613
178400238S					0271835027/1834C0202027/1816027/182749	40.3060	52.0CMCC	56	05.7135	14.7CGD17J	99F1A6464213F1A64323
178400238S					0272007027/2006C0201027/2000027/200556	06.4135	21.9CGD17J	53	24.4107	24.1CMCC	11F1A6432399F1B64658
178400238S					0272207027/2207C0202027/2145027/215158	23.0158	29.9CGD17K	56	00.8135	19.2CGD17J	99F1A6467608F1A64323

1784002385		0272203027/2203C0202027/2145027/215158	23.0158	29.9CGD17K	56	00.8135	19.2CGD17J	99F1A6467603F1A64323
1784002385		0272339027/2339C0101027/2304027/233364	21.6046	13.7DOTHER	56	10.8135	24.3CGD17J	99F1A6468815F1A64323
178400238526	JAN 84 20 05Z	0261958026/1958C0202026/1911026/193856	06.5135	35.1CGD17J	51	53.3091	24.3CMCC	11F1A6432399F1B64325
178400238526	JAN 84 21 45Z	0262142026/2142C0202026/2116026/212355	55.4135	29.0CGD17J	56	27.3140	40.5CGD17J	01F1A6432399F1B64355
178400238527	JAN 84 00 55Z	0270041027/0041C0102027/0016027/003755	55.9135	32.0CGD17J	61	14.0082	54.8CMCC	01F1A6432399F1B64397
178400238527	JAN 84 01 36Z	0270130027/0130S0101027/0059027/010756	00.6135	19.7CGD17J	69	05.0053	10.6DOTHER	08F1A6432399F1B64413
178400238		0270248027/0248S0101027/0237027/024161	31.1103	27.4CMCC	55	57.4135	32.7CGD17J	99F1A6443001F1A64323
178400238526	JAN 84 02 58Z	0260239026/0157C0103026/0128026/013855	55.1135	41.7CGD17J	57	49.5116	32.5CMCC	09F1A6407999F1B64096
178400238		0260241026/0203C0103026/0126026/014559	18.0139	00.6CGD17J	61	41.8115	43.2CMCC	99F1A6409999F1B64128
178400238		0260314026/0314S0102026/0259026/030455	45.8135	50.1CGD17J	59	43.0113	25.3CMCC	07F1B6326399F1B64128
178400238526	JAN 84 05 46Z	0260543026/0543S0102026/0439026/044351	32.5159	37.4CGD17K	55	50.3135	38.1CGD17J	99F1A6415404F1A64079
178400238		0260544026/0544S0102026/0439026/044351	32.5159	37.4CGD17K	55	50.3135	38.1CGD17J	99F1A6415404F1A64079
178400238526	JAN 84 06 14Z	0260611026/0611C0210026/0550026/055056	00.6135	38.9CGD17J	62	00.4074	15.5CMCC	14F1A6407999F1B64161
1784002385		0260621026/0621C0202026/0550026/060961	57.5074	11.9CMCC	55	50.8135	48.7CGD17J	02F1B6416005F1B63263
1784002385		0260909026/0909C0202026/0737026/075455	53.4135	53.0CGD17J	56	33.0129	29.0CMCC	04F1B6326399F1B64177
178400238526	JAN 84 09 41Z	0260934026/0934C0202026/0922026/093355	54.1135	48.8CGD17J	51	41.7178	56.8CGD17A	07F1B6326399F1B64178
1784002385		0260935026/0934C0202026/0922026/093355	54.1135	48.8CGD17J	51	41.7178	56.8CGD17A	07F1B6326399F1B64178
178400238526	JAN 84 13 44Z	0261339026/1339C0102026/1326026/133555	53.1135	42.1CGD17J	50	51.1081	06.2CMCC	10F1B6326399F1B64229
178400238526	JAN 84 16 23Z	0261604026/1603S0102026/1506026/152255	59.3135	36.5CGD17J	44	18.9070	08.6AFRCC	15F1B6326399F1B64253
178400238526	JAN 84 19 00Z	0261857026/1857S0102026/1647026/170252	13.3115	24.2CMCC	55	52.8135	39.8CGD17J	99F1A6430811F1B63263
178400238525	JAN 84 16 36Z	0251629025/1629C0102025/1622025/162855	52.1135	41.7CGD17J	58	27.0161	02.0CGD17K	10F1B6326399F1B63974
178400238		0251630025/1630C0102025/1622025/162855	52.1135	41.7CGD17J	58	27.0161	02.0CGD17K	10F1B6326399F1B63974
178400238525	JAN 84 19 08Z	0251902025/1902S0103025/1849025/190155	54.6135	44.2CGD17J	62	20.1171	55.3CGD17K	09F1B6326399F1B63994
178400238525	JAN 84 19 14Z	0251903025/1902S0103025/1849025/190155	54.6135	44.2CGD17J	62	20.1171	55.3CGD17K	09F1B6326399F1B63994
178400238		0251909025/1909S0103025/1849025/190755	54.0135	44.7CGD17J	62	17.0171	26.7CGD17K	09F1B6326399F1B63995
178400238525	JAN 84 19 22Z	0251915025/1915C0201025/1903025/191155	52.4135	47.9CGD17J	50	37.8075	48.5CMCC	07F1B6326399F1B64000
178400238525	JAN 84 20 47Z	0252040025/2040S0103025/2027025/203955	52.6135	42.5CGD17J	70	12.9137	17.5DOTHER	09F1B6326399F1B64014
178400238525	JAN 84 21 05Z	0252057025/2057C0202025/2048025/205555	49.6135	45.5CGD17J	54	36.4123	33.4CMCC	08F1B6326399F1B64015
178400238525	JAN 84 23 13Z	0252250025/2250C0202025/2234025/223759	55.5176	07.1CGD17K	55	46.3135	43.1CGD17J	99F1A6403510F1B63263
178400238		0252251025/2251C0202025/2234025/223759	55.5176	07.1CGD17K	55	46.3135	43.1CGD17J	99F1A6403510F1B63263
178400238		0260036026/0036C0101025/2340026/000163	03.3058	28.2CMCC	55	46.2135	44.6CGD17J	99F1A6406209F1B63263
178400238525	JAN 84 15 50Z	0251544025/1544S0110025/1528025/152855	56.3135	49.1CGD17J	45	28.4079	47.4CMCC	08F1B6326399F1B63954
178400238		0251443025/1442C0101025/1436025/144155	54.2135	45.4CGD17J	53	21.9109	30.8CMCC	09F1B6326399F1B63953
1784002385		0250626025/0626C0210025/0521025/052163	31.1053	09.3DOTHER	55	57.4135	59.7CGD17J	99F1A6335305F1B63263
1784002385		0250925025/0924C0203025/0708025/071855	57.0135	54.5CGD17J	58	20.1111	52.4CMCC	06F1B6326399F1B63863
178400238525	JAN 84 09 47Z	0250942025/0940C0203025/0353025/090655	57.1135	57.7CGD17J	53	29.4162	21.7CGD17K	05F1B6326399F1B63871
1784002385		0250942025/0941C0203025/0853025/090655	57.1135	57.7CGD17J	53	29.4162	21.7CGD17K	05F1B6326399F1B63871
178400238525	JAN 84 04 31Z	0250409025/0409S0102025/0320025/032555	57.3135	44.7CGD17J	58	04.6123	48.6CMCC	10F1B6326399F1B63810
1784002385		0250533025/0533S0102025/0501025/050455	54.7135	58.5CGD17J	49	59.3169	09.5CGD17A	03F1B6326399F1B63841
1784002385		0250534025/0533S0102025/0501025/050455	54.7135	58.5CGD17J	49	59.8169	09.5CGD17A	03F1B6326399F1B63841
178400238525	JAN 84 04 31Z	0250405025/0405C0103025/0233025/025056	01.2135	48.4CGD17J	54	51.5147	41.8CGD17K	11F1B6326399F1B63809
178400238		0250406025/0406C0103025/0238025/025056	01.2135	48.4CGD17J	54	51.5147	41.8CGD17K	11F1B6326399F1B63809
178400238524	JAN 84 18 24Z	0241809024/1808S0102024/1731024/174455	55.8135	42.6CGD17J	55	49.4135	06.6CGD17J	10F1B6326307F1A63607
178400238524	JAN 84 18 24Z	0241811024/1811C0103024/1734024/174656	00.4135	53.6CGD17J	61	24.0164	03.4DOTHER	09F1B6326399F1B63689
178400238524	JAN 84 20 09Z	0241934024/1934S0103024/1910024/192256	00.0135	57.0CGD17J	64	05.3177	49.5DOTHER	09F1B6326399F1B63707
178400238		0242027024/2026C0201024/2019024/202555	57.5135	50.0CGD17J	53	09.9106	44.2CMCC	09F1B6326399F1B63709
178400238		0242244024/2232C0202024/2205024/221155	57.3135	52.3CGD17J	58	11.8157	33.6CGD17K	07F1B6326399F1B63721
178400238524	JAN 84 22 55Z	0242245024/2233C0202024/2205024/221155	57.3135	52.3CGD17J	58	11.8157	33.6CGD17K	07F1B6326399F1B63721
178400238525	JAN 84 00 35Z	0250032025/0032C0203024/2352025/000356	01.8135	57.3CGD17J	62	51.3144	03.8DOTHER	11F1B6326399F1B63749
178400238525	JAN 84 01 45Z	0250142025/0141C0102025/0052025/011255	57.9135	51.2CGD17J	60	11.9094	27.4CMCC	08F1B6326399F1B63768
178400238525	JAN 84 03 03Z	0250252025/0252S0101025/0141025/014766	22.6076	25.5CMCC	56	30.3135	29.9CGD17J	99F1A6379112F1A63742
178400238		0250256025/0256S0101025/0141025/014855	11.3136	28.9CGD17J	65	37.8073	42.9CMCC	99F1A6379499F1B63795
178400238525	JAN 84 03 21Z	0250316025/0316S0110025/0141025/014165	57.7075	12.0CMCC	55	45.4135	56.6CGD17J	99F1A6380206F1B63263
178400238		0240600024/0600S0102024/0522024/052648	01.6179	26.3CGD17A	55	52.1135	13.2CGD17J	99F1A6354808F1A63540
178400238524	JAN 84 08 38Z	0240817024/0809C0210024/0639024/063955	53.4135	52.5CGD17J	60	14.6093	14.9CMCC	04F1B6326399F1B63553
178400238524	JAN 84 08 49Z	0240838024/0838C0203024/0325024/033755	56.4135	53.0CGD17J	54	55.1146	18.8CGD17K	06F1B6326399F1B63564
178400238524	JAN 84 08 49Z	0240839024/0838C0203024/0825024/083755	56.4135	53.0CGD17J	54	55.1146	18.8CGD17K	06F1B6326399F1B63564
178400238524	JAN 84 10 24Z	0241022024/1022C0203024/1010024/102155	55.5135	51.3CGD17J	50	59.0166	04.1CGD17A	07F1B6326399F1B63568
178400238		0241023024/1023C0203024/1010024/102155	55.5135	51.3CGD17J	50	59.0166	04.1CGD17A	07F1B6326399F1B63568
178400238524	JAN 84 14 16Z	0241412024/1412C0102024/1401024/141055	56.9135	41.1CGD17J	51	41.7039	47.3CMCC	12F1B6326399F1B63604
178400238		0241603024/1602C0103024/1547024/160056	04.6136	23.5CGD17J	56	21.4199	13.4CGD17J	19F1B6326399F1B63648
178400238		0241606024/1606S0110024/1550024/155056	00.1135	55.5CGD17J	47	17.1089	34.9AFRCC	09F1B6326399F1B63650
178400238		0240600024/0600S0102024/0522024/052648	01.6179	26.3CGD17A	55	52.1135	13.2CGD17J	99F1A6354808F1A63540
178400238523	JAN 84 20 11Z	0232003023/2003C0201023/1951023/195955	47.8136	01.9CGD17J	51	38.4090	59.5CMCC	03F1B6326399F1B63391
178400238523	JAN 84 21 48Z	0232145023/2145C0202023/2136023/214355	51.1135	53.1CGD17J	56	16.2139	59.0CGD17J	03F1B6326399F1B63423
178400238		0232339023/2339C0110023/2227023/222765	41.7006	12.8DOTHER	55	52.9135	57.1CGD17J	99F1A6344302F1B63263

178400238S24	JAN	84	00	01Z	0232347023/2347C0203023/2323023/233555	54.6136	00.2CGD17J	61	17.1164	14.60THER	03F1B6326399F1B63446
178400238S24	JAN	84	00	39Z	0240029024/0029C0103024/0016024/002455	58.2135	59.2CGD17J	61	39.8070	45.3CMCC	07F1B6326399F1B63449
178400238					0240140024/0140S0110024/0024024/002471	37.9032	39.60THER	56	00.0135	47.5CGD17J	99F1A6347211F1B63263
178400238S24	JAN	84	02	26Z	0240217024/0217S0101024/0202024/020664	18.7085	49.7CMCC	55	49.9135	57.5CGD17J	99F1A6349901F1B63263
178400238S24	JAN	84	03	00Z	0240233024/0233C0103024/0203024/021455	56.8135	55.1CGD17J	56	48.2127	17.0CMCC	06F1B6326399F1B63502
178400238S24	JAN	84	03	58Z	0240351024/0351S0102024/0342024/034756	15.3133	31.2CGD17J	55	50.0135	53.0CGD17J	99F1A6352404F1B63263
178400238S24	JAN	84	04	11Z	0240408024/0408C0103024/0349024/040155	58.4135	50.8CGD17J	52	22.0176	36.4CGD17A	08F1B6326399F1B63529
178400238S24	JAN	84	04	17Z	0240409024/0409C0103024/0349024/040155	58.4135	50.8CGD17J	52	22.0176	36.4CGD17A	08F1B6326399F1B63529
178400238S23	JAN	84	13	53Z	0231947023/1947S0103023/1931023/194456	00.3135	58.8CGD17J	45	48.8167	57.60THER	09F1B6326399F1B63387
178400238S23	JAN	84	14	23Z	0231421023/1421C0110023/1327023/132755	55.6136	05.0CGD17J	50	39.7071	58.7CMCC	05F1B6326399F1B63286
178400238					0231522023/1521C0102023/1512023/151955	56.5136	05.5CGD17J	54	18.1119	36.9CMCC	07F1B6326399F1B63305
178400238S23	JAN	84	16	29Z	0231622023/1621S0103023/1612023/162056	02.4136	05.7CGD17J	49	05.4099	00.5CMCC	11F1B6326399F1B63321
178400238S23	JAN	84	17	07Z	0231705023/1705C0102023/1658023/170255	54.4135	58.2CGD17J	59	37.9172	00.0CGD17K	03F1B6326399F1B63337
178400238					0231705023/1705C0102023/1658023/170255	54.4135	58.2CGD17J	59	37.9172	00.0CGD17K	03F1B6326399F1B63337
178400238S23	JAN	84	10	11Z	0231805023/1805S0103023/1752023/180355	59.9136	04.0CGD17J	57	34.9144	47.6CGD17K	09F1B6326399F1B63348
178400238S23	JAN	84	18	11Z	0231806023/1805S0103023/1752023/180355	59.9136	04.0CGD17J	57	34.9144	47.6CGD17K	09F1B6326399F1B63348
178400238S23	JAN	84	10	18Z	0230957023/0956C0203023/0942023/095456	01.6136	12.2CGD17J	52	19.0177	54.4CGD17A	09F1A6314199F1B63266
178400238S23	JAN	84	10	18Z	0230956023/0956C0203023/0942023/095456	01.6136	12.2CGD17J	52	19.0177	54.4CGD17A	09F1A6314199F1B63266
178400238					0230839023/0839C0203023/0756023/080856	02.2136	08.6CGD17J	56	44.5129	03.5CMCC	10F1A6314199F1B63254
178400238S23	JAN	84	05	15Z	0230512023/0512C0210023/0421023/042165	49.1009	01.30THER	56	12.5136	23.4CGD17J	99F1A6324514F1A63141
178400238S23	JAN	84	05	18Z	0230515023/0515C0103023/0458023/051156	08.6136	16.7CGD17J	50	35.5155	13.50THER	11F1A6314199F1B63246
178400238					0230557023/0557S0103023/0544023/055656	02.3136	15.6CGD17J	46	18.0171	09.8CGD17A	07F1A6314199F1B63247
178400238S23	JAN	84	06	16Z	0230558023/0557S0103023/0544023/055656	02.3136	15.6CGD17J	46	18.0171	09.8CGD17A	07F1A6314199F1B63247
178400238					0230826023/0826C0210023/0610023/061056	01.0136	10.8CGD17J	62	09.2073	11.2CMCC	09F1A6314199F1B63249
178400238					0230829023/0829C0210023/0610023/061060	29.0074	26.7CMCC	54	49.6134	22.7CGD17J	99F1A6325099F1B63251
178400238					0230410023/0410S0102023/0403023/040854	43.0143	15.0CGD17K	55	58.2136	16.1CGD17J	99F1A6323307F1A63141
178400238					0230411023/0410S0102023/0403023/040854	43.0143	15.0CGD17K	55	58.2136	16.1CGD17J	99F1A6323307F1A63141
178400238S23	JAN	84	05	12Z	0230510023/0510C0210023/0421023/042156	56.9136	35.8CGD17J	66	52.9008	57.90THER	13F1A6319299F1B63244
178400238S23	JAN	84	03	30Z	0230328023/0327C0103023/0314023/032656	04.4136	19.4CGD17J	54	06.9157	07.1CGD17K	07F1A6314199F1B63230
178400238S23	JAN	84	03	35Z	0230328023/0328C0103023/0314023/032656	04.4136	19.4CGD17J	54	06.9157	07.1CGD17K	07F1A6314199F1B63230
178400238S23	JAN	84	02	40Z	0230237023/0236S0103023/0224023/023556	02.0136	18.6CGD17J	63	09.5096	59.7CMCC	05F1A6314199F1B63229
178400238S23	JAN	84	01	54Z	0230148023/0148C0101023/0128023/014659	10.4105	44.9CMCC	55	59.4136	17.7CGD17J	99F1A6322005F1A63141
178400238S23	JAN	84	01	12Z	0230059023/0058S0110023/0045023/004555	58.2136	29.4CGD17J	70	23.8044	21.70THER	01F1A6314199F1B63211
178400238S23	JAN	84	08	11Z	0230008023/0008C0101022/2340023/000555	59.8136	24.7CGD17J	64	13.3045	40.20THER	02F1A6314199F1B63187
178400238					0222259022/2258C0202022/2254022/225755	56.7136	24.9CGD17J	59	54.5174	51.7CGD17K	02F1A6314199F1B63181
178400238					0222258022/2258C0202022/2254022/225755	56.7136	24.9CGD17J	59	54.5174	51.7CGD17K	02F1A6314199F1B63131
178400238S22	JAN	84	19	44Z	0221932022/1932C0202022/1923022/193055	46.1136	31.6CGD17J	50	13.6074	51.5CMCC	12F1A6314199F1B63149
178400238					0221942022/1942C0202022/1924022/193957	22.8135	58.3CGD17J	51	32.8074	35.3CMCC	99F1A6315399F1B63154
178400256					2531543253/1543C0102253/1400253/140657	57.1155	03.9CGD17K	55	46.0133	41.7CGD17J	99F1A4996699F1B49967
178400256					2531544253/1544C0102253/1400253/140657	57.1155	03.9CGD17K	55	46.0133	41.7CGD17J	99F1A4996699F1B49967
178400256S-9	SEP	84	16	12Z	2531600253/1600C0103253/1546253/155857	55.7155	07.4CGD17K	60	58.9174	20.1CGD17A	01F1A4996699F1B49968
178400256					2531600253/1600C0103253/1546253/155857	55.7155	07.4CGD17K	60	58.9174	20.1CGD17A	01F1A4996699F1B49968
178400261S10	SEP	84	13	15Z	2541302254/1302C0102254/1250254/130060	06.8142	13.9CGD17K	57	09.7113	44.6CMCC	10F1A5014499F1B50227
178400261S10	SEP	84	09	29Z	2540849254/0848C0302254/0823254/084560	06.3141	59.1CGD17K	61	53.8125	27.7CMCC	10F1A5017799F1B50189
178400261					2540850254/0850C0203254/0835254/084660	03.1141	45.6CGD17K	53	34.9145	44.80THER	04F1A5017799F1B50190
178400261S10	SEP	84	07	38Z	2540725254/0725C0202254/0651254/070559	15.7139	03.7CGD17J	56	03.3169	58.8CGD17K	99F1A5017599F1B50176
178400261					2540726254/0726C0202254/0651254/070559	15.7141	45.8CGD17K	57	10.6168	15.5CGD17K	99F1A5017799F1B50178
178400261					2540717254/0717C0301254/0636254/070258	38.3143	20.5CGD17K	66	16.7065	00.6CMCC	99F1A5016999F1B50170
178400261S10	SEP	84	07	33Z	2540721254/0721C0203254/0651254/070357	33.0167	39.8CGD17K	60	03.6142	08.0CGD17K	99F1A5017310F1A50144
178400261S10	SEP	84	07	20Z	2540700254/0659C0310254/0636254/063667	26.8067	51.1CMCC	59	56.9142	16.0CGD17K	99F1A5015705F1A50144
178400261S10	SEP	84	18	06Z	2540555254/0541C0203254/0505254/051859	58.5142	27.2CGD17K	62	36.9116	38.8CMCC	99F1A5014499F1B50145
178400341S21	MAR	84	04	09Z	0810406081/0406C0203081/0351081/040359	55.0147	05.3CGD17K	55	40.4166	49.7CGD17A	99F1A7725099F1B77251
178400341S21	MAR	84	04	08Z	0810406081/0406C0203081/0351081/040359	55.0147	05.3CGD17K	55	40.4166	49.7CGD17A	99F1A7725099F1B77251
178400341S21	MAR	84	01	11Z	0810109081/0109C0210081/0019081/001958	21.5150	12.5CGD17K	64	52.3085	02.1CMCC	99F1A7721899F1B77219
178400341S21	MAR	84	01	06Z	0810056081/0056C0202081/0019081/005064	18.3087	05.4CMCC	58	04.7148	25.9CGD17K	99F1A7721699F1B77217
178400341					0810046081/0046C0202081/0019081/004157	55.7149	27.6CGD17K	64	06.4085	15.1CMCC	99F1A7720599F1B77206
178400341					0810055081/0055C0202081/0019081/004865	01.3087	47.9CMCC	58	47.8148	27.0CGD17K	99F1A7721499F1B77215
178400341S21	MAR	84	03	36Z	0810328081/0328S0103081/0314081/032465	38.8114	54.4CMCC	59	49.8147	37.5CGD17K	99F1A7724804F1A77106
178400341S21	MAR	84	02	49Z	0810240081/0240C0202081/0206081/022460	15.5144	05.6AACRCC	59	49.1148	09.2CGD17K	99F1A7724611F1A77106
178400341S21	MAR	84	02	39Z	0810236081/0235C0203081/0206081/021959	53.2148	26.0CGD17K	60	23.3143	32.6AACRCC	21F1A7720199F1B77241
178400341					0810237081/0237C0203081/0206081/021956	10.0161	20.1CGD17K	59	17.7128	11.4CMCC	99F1A7724299F1B77243
178400341S21	MAR	84	00	47Z	0810038081/0038C0210081/0019081/001959	32.2148	18.0CGD17K	65	37.3088	07.6CMCC	99F1A7720199F1B77202
178400341S21	MAR	84	00	34Z	0810034081/0033C0203081/0019081/003059	56.1147	46.6CGD17K	65	35.7088	54.7CMCC	08F1A7710699F1B77196
178400341S20	MAR	84	22	38Z	0802234080/2231S0103080/2219080/222860	07.4147	37.7CGD17K	77	37.7089	51.10THER	19F1A7710699F1B77164
178400341S20	MAR	84	19	26Z	0801919080/1919S0103080/1902080/191560	01.4147	40.1CGD17K	62	38.2162	18.0AACRCC	13F1A7710699F1B77159
178400341S20	MAR	84	15	31Z	0801530080/1530C0210080/1335080/133559	47.5147	46.6CGD17K	54	15.2085	58.0CMCC	99F1A7710699F1B77107

178400341520	MAR	84	10	36Z	0801031080/0928S0103080/0657080/070559	50.2147	27.5CGD17K	47	53.1145	48.90THER	99F1A7705499F1B77055
178400341					0801032080/0928S0103080/0656080/070659	18.0147	41.8CGD17K	47	26.3146	27.20THER	99F1A7705699F1B77057
1784003735-4	APR	84	19	33Z	0951923095/1923S0103095/1840095/185456	04.6160	38.5CGD17K	53	14.0145	19.9CGD17K	99F2A8102599F2B81026
1784003735-4	APR	84	19	34Z	0951919095/1919S0103095/1840095/185053	25.0145	56.3CGD17K	56	04.4160	34.9CGD17K	99F1A8102214F1A80938
1784003735-4	APR	84	17	15Z	0951710095/1710S0103095/1659095/170855	56.6160	19.9CGD17K	45	13.3100	33.2AFRCC	11F1A8093899F1B81018
1784003735-4	APR	84	15	41Z	0951539095/1539C0203095/1524095/153757	37.2176	19.1CGD17A	56	02.5160	21.3CGD17K	99F1A8100707F1A80938
1784003735-4	APR	84	14	05Z	0951355095/1355C0203095/1338095/135156	04.6160	10.1CGD17K	53	05.5126	50.0CMCC	02F1A8093899F1B80979
1784003735-4	APR	84	12	49Z	0951242095/1203C0201095/1155095/120249	58.5079	29.2CMCC	56	22.3160	25.6CGD17K	99F1A8096917F1A80938
1784003735-4	APR	84	12	46Z	0951241095/0959C0103095/0945095/095856	00.9160	21.0CGD17K	57	40.0176	59.4CGD17A	09F1A8093899F1B80968
1784003735-4	APR	84	12	43Z	0951240095/0959C0103095/0945095/095856	00.9160	21.0CGD17K	57	40.0176	59.4CGD17A	09F1A8093899F1B80968
1784003735-4	APR	84	12	38Z	0951236095/0931C0103095/0759095/081256	02.5160	00.5CGD17K	53	04.9127	17.9CMCC	05F1A8093899F1B80957
1784003735-4	APR	84	04	04Z	0950401095/0401S0103095/0312095/032256	06.6160	08.9CGD17K	67	09.8096	49.6CMCC	99F1A8093899F1B80939
178400470517	MAY	84	15	14Z	1381511138/1511C0102138/1402138/141858	07.1152	53.8CGD17K	58	57.3145	03.1CGD17K	99F1A9137899F1B91379
178400470517	MAY	84	17	02Z	1381654138/1654S0102138/1629138/164547	21.2091	15.4AFRCC	58	21.9153	04.0CGD17K	99F1A9141115F1A91378
178400470517	MAY	84	18	58Z	1381852138/1852C0202138/1830138/185058	07.0153	01.4CGD17K	62	45.5108	35.5CMCC	03F1A9137899F1B91439
178400470517	MAY	84	20	05Z	1381957138/1957C0202138/1831138/185961	58.2107	29.6CMCC	57	19.7153	16.7CGD17K	99F1A9144799F1B91448
178400470517	MAY	84	21	20Z	1382109138/2109C0202138/2017138/202957	09.7161	42.1CGD17K	58	04.2153	05.9CGD17K	99F1A9145707F1A91378
178400572529	MAY	84	19	14Z	1501911150/1911C0202150/1857150/190957	42.5152	38.8CGD17K	56	36.5163	08.0CGD17K	99F1A9462999F1B94630
178400572530	MAY	84	02	22Z	1510210151/0210C0102151/0159151/020657	48.2152	35.4CGD17K	56	47.8142	51.9CGD17K	05F1A9462999F1B94719
178400572					1510214151/0213C0102151/0200151/020759	37.5154	56.4AACRCC	58	00.1139	36.0CGD17J	99F1A9472099F1B94721
178400643522	JUN	84	20	33Z	1742024174/2024S0103174/2015174/202151	43.1176	49.9CGD17A	52	06.9178	55.6CGD17A	04F1A0049499F1B00797
178400643522	JUN	84	10	44Z	1741041174/1041C0103174/1026174/103851	30.6176	53.2CGD17A	55	33.8130	05.3CMCC	08F1A0049499F1B00652
178400643522	JUN	84	08	12Z	1740801174/0801C0203174/0713174/073051	36.4176	48.4CGD17A	52	42.0170	57.8CGD17A	03F1A0049499F1B00640
178400643522	JUN	84	06	46Z	1740639174/0639S0103174/0626174/063461	10.6149	59.4AACRCC	52	16.1160	25.3CGD17A	00F1A0049299F1B00622
178400643					1740642174/0642S0103174/0624174/063451	34.0176	59.8CGD17A	53	02.5169	06.8CGD17A	09F1A0049499F1B00623
178400643522	JUN	84	05	59Z	1740555174/0555C0202174/0528174/053348	20.2139	01.4CMCC	51	44.9176	32.4CGD17A	99F1A0061210F1A00494
178400643522	JUN	84	02	05Z	1740201174/0200C0103174/0119174/013451	38.5176	47.3CGD17A	52	02.5178	59.0CGD17A	99F1A0049499F1B00495
178400646523	JUN	84	20	41Z	1752032175/2032S0103175/1951175/200058	16.6157	25.9CGD17K	61	59.7177	58.3CGD17A	04F1A0099299F1B01213
178400646					1752033175/2033S0103175/1951175/200058	16.6157	25.9CGD17K	61	59.7177	58.3CGD17A	04F1A0099299F1B01213
178400646523	JUN	84	18	37Z	1751827175/1827S0102175/1810175/182053	46.3132	46.6CMCC	58	14.7157	23.9CGD17K	99F1A0117902F1A00992
178400646					1751659175/1659C0203175/1646175/165758	14.3157	21.4CGD17K	56	08.9178	19.5CGD17A	01F1A0099299F1B01154
178400646523	JUN	84	17	44Z	1751531175/1530C0203175/1500175/151258	15.2157	20.8CGD17K	61	15.9126	37.8CMCC	01F1A0099299F1B01133
178400646523	JUN	84	15	42Z	1751344175/1344C0203175/1313175/132565	57.1067	38.0CMCC	58	15.0157	19.3CGD17K	99F1A0107700F1A00992
178400646523	JUN	84	13	49Z	175114175/1141C0103175/1100175/111358	13.6157	18.7CGD17K	56	31.3175	03.0CGD17A	01F1A0099299F1B01050
178400646523	JUN	84	11	21Z	1751115175/1115C0103175/1100175/111358	13.6157	18.7CGD17K	56	31.3175	03.0CGD17A	01F1A0099299F1B01050
178400646					1750932175/0931C0103175/0914175/092758	14.7157	23.8CGD17K	61	35.5122	48.7CMCC	02F1A0099299F1B01019
178400646523	JUN	84	09	43Z	1750929175/0929C0103175/0918175/092645	47.5108	27.0AFRCC	41	55.4162	24.9CGD17K	10F1A0101299F1B01018
178400646523	JUN	84	08	13Z	1750809175/0809C0203175/0745175/075564	23.5135	14.50THER	58	13.6157	22.5CGD17K	99F1A0101702F1A00992
178400646523	JUN	84	08	10Z	1750741175/0741C0103175/0726175/073966	09.9063	08.9CMCC	58	13.9157	03.3CGD17K	99F1A0100108F1A00992
178400646523	JUN	84	06	54Z	1750641175/0641S0103175/0603175/061258	14.5157	18.5CGD17K	53	46.8178	18.1CGD17A	99F1A0099299F1B00993
178400646					1750642175/0642S0103175/0603175/061258	14.5157	18.5CGD17K	53	46.8178	18.1CGD17A	99F1A0099299F1B00993
178400675530	JUN	84	08	21Z	1820817182/0817C0103182/0804182/081558	08.2136	39.9CGD17J	58	36.9132	01.5CMCC	07F1B0272299F1B02800
178400675530	JUN	84	04	19Z	1820410182/0409C0202182/0402182/040860	16.5156	05.2AACRCC	58	09.7136	12.0CGD17J	99F1A0274508F1B02722
178400675530	JUN	84	03	49Z	1820338182/0338S0102182/0331182/033558	11.7136	21.2CGD17J	59	25.3129	24.5CMCC	03F1B0272299F1B02735
178400675530	JUN	84	02	48Z	1820225182/0224C0201182/0217182/022255	06.0105	46.1CMCC	58	10.2136	27.2CGD17J	99F1A0272199F1B02722
178400738512	JUL	84	14	00Z	1941345194/1345C0203194/1329194/134460	14.3152	59.7CGD17K	60	28.7151	13.4AACRCC	99F1A0604610F1A05949
178400738512	JUL	84	06	50Z	1940634194/0634C0103194/0614194/063360	26.2151	39.0CGD17K	65	10.8105	39.9CMCC	99F1A0598999F1B05990
178400738512	JUL	84	03	00Z	1940254194/0254C0203194/0243194/025360	29.6150	51.6AACRCC	59	34.2141	51.2CGD17K	99F1A0594999F1B05950
178400770520	JUL	84	14	11Z	2021402202/1402C0203202/1346202/135851	21.2160	29.3CGD17A	56	55.4132	43.0CGD17J	99F1A0589099F1B05891
178400770520	JUL	84	14	08Z	2021401202/1401C0203202/1346202/135851	21.2160	29.3CGD17A	56	55.4132	43.0CGD17J	99F1A0589099F1B05891
178400770520	JUL	84	12	27Z	2021216202/1216C0203202/1205202/121545	49.1133	00.2CGD17J	55	00.2151	42.9CGD17K	09F1R0577299F1R05884
178400770					20212125202/1215C0203202/1202202/121456	49.1133	00.2CGD17J	55	00.2151	42.9CGD17K	09F1R0577299F1R05884
178400770520	JUL	84	12	21Z	2021037202/1031C0210202/1016202/101660	02.3099	58.6CMCC	56	37.2133	05.5CGD17J	99F1A0587812F1B05772
178400770520	JUL	84	10	41Z	2020556202/0556C0103202/0540202/055456	19.6135	54.7CGD17J	57	06.5127	58.7CMCC	99F1A0584199F1B05842
178400770					2020558202/0558C0103202/0540202/055757	00.2130	16.9CMCC	56	40.4133	38.4CGD17J	99F1A0584313F1B05772
178400770520	JUL	84	05	08Z	2020554202/0553C0103202/0540202/055256	34.4134	54.1CGD17J	57	08.4129	10.6CMCC	99F1A0583899F1B05839
178400770520	JUL	84	02	26Z	2020314202/0314C0203202/0300202/031164	06.5178	27.5CGD17A	61	07.8149	20.2AACRCC	99F1A0578199F1B05782
178400770					2020315202/0314C0203202/0301202/031163	06.8158	36.70THER	56	49.4133	08.8CGD17J	99F1A0578304F1R05772
178400770520	JUL	84	13	31Z	2020124202/0124C0202202/0114202/012257	59.6144	44.7CGD17K	56	48.3133	17.7CGD17J	99F1A0577199F1B05772
178400770520	JUL	84	13	28Z	2020123202/0123C0202202/0114202/012257	59.6144	44.7CGD17K	56	48.3133	17.7CGD17J	99F1A0577199F1B05772
178400770519	JUL	84	23	54Z	2012346201/2346C0201201/2329201/233557	11.8133	57.2CGD17J	53	22.6094	33.5CMCC	99F1A0575899F1B05759
178400803525	JUL	84	21	22Z	2072107207/2107C0103207/2032507/204760	29.8150	58.9AACRCC	62	52.6173	42.9CGD17K	99F1A0712299F1B07123
178400808					2081930208/1930C0102208/1923208/192956	57.5154	06.0CGD17K	55	45.4142	23.1CGD17K	01F1A0726199F1B07397
178400808526	JUL	84	18	08Z	2081746208/1746C0101208/1738208/174456	51.5154	10.6CGD17K	51	26.3094	33.3CMCC	06F1A0726199F1B07375

178400808526	JUL	84	13	31Z	2081321208/1320C0203208/1307208/131856	57.0154	12.3CGD17K	54	12.8176	59.1CGD17A	02F1A0726199F1B07320
178400808526	JUL	84	13	28Z	2081320208/1320C0203208/1307208/131856	57.0154	12.3CGD17K	54	12.8176	59.1CGD17A	02F1A0726199F1B07320
178400808526	JUL	84	12	30Z	2081135208/1135C0203208/1121208/113456	57.1154	10.0CGD17K	59	07.0132	25.8CMCC	01F1A0726199F1B07298
178400808526	JUL	84	10	05Z	2080947208/0947C0203208/0934208/094556	58.5154	15.8CGD17K	63	56.2074	13.0CMCC	04F1A0726199F1B07280
178400808526	JUL	84	07	47Z	2080738208/0738C0103208/0725208/073756	57.5154	08.2CGD17K	54	24.3178	53.5CGD17A	99F1A0726199F1B07262
178400808					2080739208/0739C0103208/0725208/073756	57.5154	08.2CGD17K	54	24.3178	53.5CGD17A	99F1A0726199F1B07262
178400810527	JUL	84	20	19Z	2092013209/2013C0103209/1958209/201158	06.8157	28.4CGD17K	58	08.1157	41.6CGD17K	09F1A3786501F1A37865
178400810527	JUL	84	19	03Z	2091839209/1839C0103209/1813209/183358	07.6157	44.9CGD17K	53	35.2109	20.5CMCC	99F1A3786599F1B37866
178400810527	JUL	84	14	02Z	2091351209/1348C0203209/1335209/134557	32.2157	39.1CGD17K	53	59.5162	50.7CGD17A	04F1A3763099F1B37815
178400810					2091352209/1349C0203209/1335209/134557	32.2157	39.1CGD17K	53	59.5162	50.7CGD17A	04F1A3763099F1B37815
178400810527	JUL	84	12	11Z	2091206209/1206C0203209/1150209/120257	34.1157	32.6CGD17K	58	33.9147	23.7CGD17K	03F1A3763099F1B37798
178400810527	JUL	84	08	23Z	2090817209/0813C0103209/0759209/081057	31.4157	30.6CGD17K	53	53.8161	44.8CGD17A	07F1A3763099F1B37754
178400810527	JUL	84	08	20Z	2090816209/0812C0103209/0759209/081057	31.4157	30.6CGD17K	53	53.8161	44.8CGD17A	07F1A3763099F1B37754
178400810527	JUL	84	06	33Z	2090629209/0629C0103209/0614209/062758	28.9148	33.5CGD17K	57	28.1157	58.8CGD17K	99F1A3773314F1A37630
178400810527	JUL	84	03	16Z	2090310209/0310C0203209/0248209/030057	35.4157	40.8CGD17K	60	51.4168	33.70THER	02F1A3763099F1B37676
178400810527	JUL	84	01	16Z	2090109209/0109C0202209/0102209/010757	37.2157	37.8CGD17K	55	46.4139	26.7CGD17J	99F1A3763099F1B37631
178400810					2090110209/0109C0202209/0102209/010757	37.2157	37.8CGD17K	55	46.4139	26.7CGD17J	99F1A3763099F1B37631
178400917S12	AUG	84	11	22Z	2251053225/1053C0203225/1038225/105160	23.1148	24.8CGD17K	57	39.1175	33.0CGD17A	19F1A4188799F1B41902
178400917					2251054225/1054C0203225/1038225/105160	23.1148	24.8CGD17K	57	39.1175	33.0CGD17A	19F1A4188799F1B41902
178400917S12	AUG	84	07	33Z	2250727225/0727C0203225/0705225/071560	02.5148	25.9CGD17K	67	20.4067	16.3CMCC	99F1A4188799F1B41888
178400936S14	AUG	84	21	59Z	2272155227/2155C0202227/2146227/215258	14.4134	13.4CGD17J	57	39.2128	37.9CMCC	99F1A4262299F1B42623
178400936S15	AUG	84	01	00Z	2280051227/2345C0203227/2332227/234358	15.5134	28.5CGD17J	62	53.0177	29.40THER	08F1A4262299F1B42647
178400936S15	AUG	84	01	03Z	2280057228/0051C0110227/2340227/234058	44.2135	41.2CGD17J	67	49.5030	48.90THER	99F1A42627399F1B42674
178400956S18	AUG	84	17	42Z	2311734231/1734C0103231/1700231/173361	17.6151	28.8AACRCC	60	54.2147	46.6CGD17K	12F1A4366299F1B43670
178400956S18	AUG	84	17	15Z	2311710231/1710C010231/1700231/170461	20.3151	53.5AACRCC	60	50.0147	17.2CGD17K	99F1A4366299F1B43663
178400956S18	AUG	84	06	57Z	2310652231/0652C0210231/0625231/062568	43.5069	36.5CMCC	60	46.7147	58.9CGD17K	99F1A4354799F1B43548
178400974S20	AUG	84	21	21Z	2332117233/2116C0202233/2107233/211360	45.2151	29.8CGD17K	56	54.7113	13.9CMCC	99F1A4431299F1B44313
178400974S20	AUG	84	23	10Z	2332305233/2305C0203233/2252233/230360	46.1151	34.2CGD17K	61	53.9162	07.7AACRCC	02F1A4431299F1B44337
178400974S21	AUG	84	02	24Z	2340219234/0107C0203234/0039234/005160	48.2151	52.8CGD17K	67	32.1142	22.60THER	11F1A4431299F1B44386
178401013S25	AUG	84	13	10Z	2381307238/1307C0303238/1254238/130659	02.1154	15.9AACRCC	55	33.2170	21.2CGD17A	99F1A4556399F1B45564
178401013S25	AUG	84	10	09Z	2381005238/1004C0203238/0947238/095855	24.7172	17.8CGD17A	58	37.9153	41.1CGD17K	99F1A4552199F1B45530
178401013S25	AUG	84	04	14Z	2380403238/0403C0103238/0348238/040159	07.3154	16.3AACRCC	56	42.7177	43.5CGD17A	09F1A4549299F1B45454
178401021S26	AUG	84	16	42Z	2391639239/1639C0103239/1623239/163761	20.1179	06.4CGD17A	56	50.8132	26.8CGD17J	02F1B4597199F1B45973
178401021S26	AUG	84	16	33Z	2391629239/1629C0102239/1623239/162656	38.0133	32.1CGD17J	61	20.2179	09.7CGD17A	09F1A4594599F1B45971
178401021S26	AUG	84	14	54Z	2391446239/1446C0102239/1437239/144456	27.1133	12.2CGD17J	55	45.1126	15.3CMCC	25F1A4593899F1B45952
178401021S26	AUG	84	13	21Z	2391317239/1317C0101239/1251239/130550	46.5077	46.4CMCC	55	51.7133	52.5CGD17J	99F1A4594918F1A45938
178401021S26	AUG	84	13	18Z	2391312239/1311C0110239/1252239/125256	30.2133	42.2CGD17J	51	28.5077	41.6CMCC	99F1A4594599F1B45946
178401021S26	AUG	84	12	28Z	2391221239/1221C0302239/1139239/115256	01.7133	25.9CGD17J	52	07.2173	31.2CGD17A	99F1A4593899F1B45939
178401021S26	AUG	84	12	28Z	2391216239/1216C0303239/1139239/115156	20.4134	11.3CGD17J	52	50.5172	44.0CGD17A	99F1A4593699F1B45937
178401021S26	AUG	84	03	45Z	2390343239/0309C0102239/0239239/025955	57.0133	39.9CGD17J	53	04.6163	52.3CGD17K	99F1A457999F1B45798
178401021S26	AUG	84	03	13Z	2390301239/0301C0102239/0239239/025553	33.1164	42.4CGD17K	56	38.9133	00.7CGD17J	99F1A4579199F1B45792
178401021S26	AUG	84	03	01Z	2390254239/0253C0103239/0239239/025156	25.5133	52.7CGD17J	53	43.1163	56.5CGD17K	99F1A4578599F1B45786
178401039S29	AUG	84	01	28Z	2420124242/0124C0103242/0051242/010563	19.7099	15.5CMCC	57	41.4157	00.0CGD17K	99F1A4674409F1A46671
178401039S29	AUG	84	00	19Z	2420014242/0014C0110241/2302241/230267	54.3034	42.00THER	57	50.6156	44.1CGD17K	99F1A4673703F1A46671
178401039S28	AUG	84	20	28Z	2412023241/2020C0203241/1938241/195557	47.6156	46.6CGD17K	52	29.0096	23.4CMCC	99F1A4667199F1B46672
038500035A1929	29S/84				2951928295/1928C0204295/1916295/192441	07.9071	58.5CGD3	44	34.5023	01.60THER	12F1B5977699F1B59837
038500035A1411	29S/84				2951410295/1410C0304295/1353295/140443	40.4105	47.7AFRCC	40	58.1072	10.3CGD3	99F1A597599F1B59776
038500035A1439	29S/84				2951437295/1436C0101295/1415295/142441	12.7071	56.8CGD3	43	30.1041	13.1CGD3	17F1B5977699F1B59795
038500035A1433	29S/84				2951429295/1429C0310295/1352295/135242	24.3106	23.2AFRCC	39	48.3072	04.7CGD3	99F1A5978899F1B59789
058500143A0417	026/85				0260415026/0414C0101026/0405026/041332	39.7075	27.3CGD5	33	37.0061	20.0CGA2	25F1B8000099F1B80153
058500143A1855	025/85				0251859025/1859C0101025/1846025/185832	43.6075	34.7CGD5	35	38.0123	53.0CGD12	23F1B8000099F1B80098
058500143A1649	025/85				0251653025/1653C0310025/133732/46.2075	46.2075	37.6CGD5	32	08.6085	13.2AFRCC	22F1B8000099F1B80058
058500143A1648	025/85				0251650025/1632C0310025/1151025/115132	45.6075	38.9CGD5	35	30.5031	21.90THER	22F1B8000099F1B80055
058500143A1034	025/85				0251038025/1038C0210025/1027025/102732	47.9075	43.0CGD5	32	22.5082	01.9AFRCC	22F1B8000099F1B80040
058500143A0848	025/85				0250852025/0852C0204025/0841025/084732	48.3075	43.4CGD5	35	44.8027	57.80THER	22F1B8000017F1A80031
058500143A0530	025/85				0250533025/0533C0101025/0515025/052831	55.5093	08.0AFRCC	33	06.2075	26.7CGD5	99F1A7999999F1B80000
078502395A0113	009/85				0090110009/0110C0210009/0031009/003118	59.5079	52.5CGD7	18	25.6069	52.1CGD7	99F1A7659611F1A76270
078502428A2056	010/85				0102055010/2055C0102010/2033010/204830	28.5079	35.7CGD7	33	00.0122	43.0CGD11	18F1B7697199F1B76988
078502428A1406	010/85				0101405010/1404C0210010/1352010/135227	55.6130	40.0CGD12	30	31.1076	12.6CGD7	99F1A7693399F1B76934
078502428A1237	010/85				0101235010/1235C0204010/1207010/121831	00.9077	41.8CGD7	30	57.4078	30.6CGD7	99F1A7692699F1B76927
078502428A1236	010/85				0101234010/1234C0210010/1207010/120730	54.1079	36.1CGD7	31	03.6076	49.9CGD7	99F1A7692499F1B76925
078502765A2352	028/85				0282349028/2348C0201028/2331028/234628	43.9106	34.2HEXICO	27	10.9080	12.6CGD7	99F1A8091699F1B80917
078502765A0111	029/85				0290111029/0111C0301029/0058029/011127	08.5080	11.5CGD7	23	51.3058	23.8CGAA	02F1B8091799F1B80942
078502765A0258	029/85				0290259029/0258C0301029/0244029/025827	08.9080	09.8CGD7	23	02.7111	19.3HEXICO	03F1B8091724F1A80972
078502765A0415	029/85				0290413029/0413C0101029/0406029/041227	08.1080	13.4CGD7	28	01.5065	38.6CGAA	03F1B8091799F1B80989
078502765A0604	029/85				0290558029/0558C0104029/0551029/055427	08.9383	13.0CGD7	24	59.6117	44.1CGD11	02F1B8091799F1B81014

088500275R03-JAN-85	08:28 PM	003/2022C0101003/1957003/201328	07.0071	02.3CGD7	29	15.6089	14.2CGD8	99F1A7540210F1A75090
088500275R03-JAN-85	06:58 PM	003/200750204003/1953003/200529	20.5089	03.3CGD8	29	34.4087	58.5CGD8	08F1A7509099F1B75384
088500275R03-JAN-85	12:48 PM	003/1707C0301003/1658003/170628	48.9096	03.4AFRCC	29	15.5089	21.4CGD8	99F1A7534716F1A75090
088500275A1426	003/85	0031412003/1412C0210003/1404003/140429	21.0089	14.2CGD8	28	37.2100	37.0MEXICO	12F1A7509099F1B75326
088500275R03-JAN-85	06:41 AM	003/1225C0201003/1218003/122529	26.9089	14.3CGD8	32	04.0047	00.8CGAA	16F1A7509099F1B75322
088500275R03-JAN-85	02:54 AM	003/0839S0204003/0833003/083929	15.3089	15.7CGD8	28	48.1087	10.2CGD8	11F1A7509099F1B75311
088500275R03-JAN-85	02:39 AM	003/0819C0102003/0816003/081829	16.3089	14.0CGD8	28	59.9093	33.7CGD8	10F1A7509099F1B75301
088500275R03-JAN-85	01:26 AM	003/0610C0301003/0554003/060729	17.3089	20.8CGD8	30	23.2107	02.8MEXICO	16F1A7509006F1B75292
088500275R03-JAN-85	01:25 AM	003/0606C0302003/0554003/060529	13.8089	26.2CGD8	30	19.1106	57.3MEXICO	16F1B7513899F1B75292
088500275R02-JAN-85	09:46 PM	003/0313C0202003/0259003/031129	12.7089	22.7CGD8	30	32.4111	33.8MEXICO	17F1A7509099F1B75280
088500275R02-JAN-85	10:30 PM	003/0427C0310003/0409003/040927	21.7054	55.7CGAA	29	21.2089	33.2CGD8	99F1A7528611F1B75138
088500275R02-JAN-85	09:25 PM	003/0247C0204003/0114003/012829	12.8089	24.1CGD8	27	23.4059	23.6CGAA	18F1A7509008F1B75269
088500275R02-JAN-85	08:45 PM	003/0135C0210003/0114003/011429	03.8089	31.8CGD8	27	18.3059	17.1CGAA	16F1B7513899F1B75269
088500275R02-JAN-85	07:38 PM	002/2337C0101002/2108002/212229	17.6089	22.1CGD8	30	09.3102	36.6AFRCC	17F1A7509099F1B75248
088500275R02-JAN-85	07:17 PM	002/201750204002/2004002/201629	00.0092	24.3CGD8	29	29.2090	10.4CGD8	99F1A7524325F1B75138
088500275R02-JAN-85	12:09 PM	002/1640C0301002/1629002/163730	01.7078	03.1CGD7	29	17.7089	22.1CGD8	99F1A7520817F1A75090
088500275R02-JAN-85	08:39 AM	002/1429C0201002/1335002/134529	17.5089	25.1CGD8	29	42.4082	54.8AFRCC	17F1B7513804F1B75178
088500275R02-JAN-85	07:47 AM	002/1345C0210002/1335002/133529	17.9089	18.3CGD8	29	42.6082	59.5AFRCC	14F1A7509099F1B75178
088500275R02-JAN-85	03:41 AM	002/0936C0101002/0926002/093329	10.8089	09.1CGD8	27	02.7124	48.3CGD11	05F1A7509099F1B75167
088500275R02-JAN-85	03:06 AM	002/085250204002/0843002/084929	15.3089	23.3CGD8	29	51.9092	12.7AFRCC	17F1A7509099F1B75162
088500275R02-JAN-85	02:01 AM	002/0752C0104002/0740002/074929	15.8089	22.4CGD8	30	21.0072	14.1CGD7	16F1A7509099F1B75156
088500275R02-JAN-85	01:48 AM	002/0540C0301002/0525002/053829	10.2088	38.3CGD8	29	13.9089	33.5CGD8	22F1A7509026F1A75090
088500275R01-JAN-85	08:57 PM	002/0254C0204002/0231002/024729	07.7088	32.8CGD8	29	30.8094	24.1CGD8	26F1A7509022F1A75059
088500275R01-JAN-85	08:49 PM	002/0246C0201002/0231002/024429	12.9089	02.6CGD8	29	32.0093	53.7CGD8	99F1A7509099F1B75091
088500275R02-JAN-85	03:38 AM	002/0933C0104002/0926002/093029	19.1089	31.2CGD8	27	27.1124	23.5CGD11	12F1B7513899F1B75166
088500275R02-JAN-85	03:09 AM	002/085450204002/0843002/085129	31.6092	07.1AFRCC	28	59.4089	40.4CGD8	20F1B7516217F1B75138
088500275R02-JAN-85	01:53 AM	002/0548C0310002/0525002/052529	10.6088	23.7CGD8	29	15.9089	45.1CGD8	99F1A7513799F1B75138
088500275R03-JAN-85	11:42 AM	003/1522C0301003/1512003/152030	31.1088	26.0CGD8	33	16.9043	15.5CGAA	17F1B7532499F1B75333
088500275R03-JAN-85	06:43 AM	003/1228C0210003/1218003/121833	03.2048	11.0CGAA	30	15.0088	33.3CGD8	99F1A7532399F1B75324
088500275A1427	003/85	0031414003/1414C0210003/1406003/140622	11.4100	57.9MEXICO	22	52.9088	02.8CGD8	17F1A7451199F1B75327
088500275R03-JAN-85	04:37 AM	003/101550204003/1012003/101441	14.5137	11.5CGD13	30	31.1086	38.1CGD8	99F2A7532099F2B75321
088500275R03-JAN-85	01:43 AM	003/065850204003/0653003/065723	51.6089	37.1CGD8	12	57.3041	20.9CGAA	99F1A7529699F1B75297
088500275R03-JAN-85	01:26 AM	003/0610C0301003/0554003/060729	17.3089	20.8CGD8	30	23.2107	02.8MEXICO	16F1A7509006F1B75292
088500275R03-JAN-85	01:25 AM	003/0606C0302003/0554003/060529	13.8089	26.2CGD8	30	19.1106	57.3MEXICO	16F1B7513899F1B75292
088500275R03-JAN-85	01:24 AM	003/0605C0302003/0552003/060421	55.2096	19.5CGD8	22	10.2100	54.8MEXICO	99F1A7529118F1A74511
088500275R02-JAN-85	09:47 PM	003/0321C0210003/0259003/025930	31.7111	23.9MEXICO	29	13.6089	25.7CGD8	08F1B7528016F1B75138
088500275R02-JAN-85	09:46 PM	003/0313C0202003/0259003/031129	12.7089	22.7CGD8	30	32.4111	33.8MEXICO	17F1A7509099F1B75280
088500275R02-JAN-85	07:43 PM	002/2350C0102002/2108002/212130	23.2103	28.3AFRCC	29	30.0088	38.3CGD8	99F1A7526099F1B75261
088500275R02-JAN-85	07:35 PM	002/2336C0101002/2106002/212221	40.6092	08.8CGD8	22	11.3100	54.7MEXICO	99F1A7524717F1A74511
088500275R02-JAN-85	06:47 PM	002/201650204002/2003002/201529	17.9089	11.6CGD8	28	29.3092	56.5CGD8	09F1A7509023F1A75185
088500275A1940	002/85	0021940002/1939C0101002/1923002/193630	15.7089	31.7CGD8	28	11.3050	51.2CGAA	99F1A7523899F1B75239
088500275R02-JAN-85	12:31 PM	002/1650C0310002/1630002/163026	41.4077	57.8CGD7	26	03.3088	57.9CGD8	11F1A7493999F1B75219
088500275R02-JAN-85	12:30 PM	002/1649C0310002/1632002/163220	28.4094	15.2CGD8	21	41.2071	47.6CGD7	99F1A7521799F1B75218
088500275R02-JAN-85	12:19 PM	002/1845C0302002/1815002/182425	42.3087	27.7CGD8	23	29.0130	50.4CGD11	99F1A7521999F1B75228
088500275R02-JAN-85	12:26 PM	002/1644C0301002/1631002/164020	56.6095	07.7CGD8	22	15.5070	52.9CGD17J	99F1A7521399F1B75214
088500275R02-JAN-85	12:10 PM	002/1642C0301002/1632002/163920	22.7073	52.2CGD7	19	26.3092	19.6CGD8	99F1A7521099F1B75211
088500275R02-JAN-85	08:49 AM	002/1446C0204002/1336002/134827	21.7082	40.1CGD7	26	56.5089	16.3CGD8	99F1A7519399F1B75194
088500275R02-JAN-85	08:40 AM	002/1433C0201002/1336002/134628	13.2092	36.8CGD8	29	02.9079	25.1CGD7	99F1A7518599F1B75186
088500275R02-JAN-85	07:52 AM	002/1349C0210002/1336002/133626	36.3078	12.2CGD7	25	42.1093	26.5CGD8	25F1A7493999F1B75181
088500314R18-JAN-85	01:42 PM	018/1846C0101018/1810018/184130	28.9090	38.6CGD8	28	58.6067	11.1CGAA	21F1B7855799F1B78626
088500314R18-JAN-85	07:09 AM	018/1253C0201018/1224018/123629	33.4101	14.2AFRCC	30	15.8090	20.3CGD8	99F1A7855699F1B78557
088500319R20-JAN-85	09:25 AM	020/1503C0310020/1442020/144230	23.1080	46.0CGD7	29	31.6094	51.1CGD8	17F1B7864509F1A78618
088500319R20-JAN-85	07:49 AM	020/1327C0201020/1321020/132629	49.4095	07.5CGD8	27	42.9130	55.2CGD12	14F1A7861899F1B79015
088500319R19-JAN-85	01:26 AM	019/0721C0102019/0703019/070929	43.8095	13.4CGD8	29	04.6105	53.0MEXICO	16F1A7861899F1B78760
088500319R19-JAN-85	12:36 AM	019/0527C0101019/0516019/052529	40.0095	21.0CGD8	32	12.1051	41.1CGAA	23F1A7861899F1B78751
088500319R18-JAN-85	11:19 PM	019/0507C0302019/0454019/050629	43.6095	16.3CGD8	31	39.7126	23.0CGD12	19F1A7861824F1B78703
088500319R18-JAN-85	10:22 PM	019/0326C0301019/0309019/032328	14.4073	37.1CGD7	29	35.7095	17.7CGD8	99F1A7872321F1A78618
088500319R18-JAN-85	09:49 PM	019/0203C0202019/0148019/020129	46.7095	12.1CGD8	31	41.3125	17.1CGD12	16F1A7861899F1B78694
088500319R18-JAN-85	09:18 PM	019/0021C0201019/0003019/001729	44.2095	18.6CGD8	28	17.6072	17.7CGD7	22F1A7861899F1B78671
088500319R18-JAN-85	07:04 PM	018/2012C0102018/1955018/200829	42.9095	21.2CGD8	30	59.3114	57.40THER	23F1A7861899F1B78634
088500319R18-JAN-85	01:29 PM	018/1837C0101018/1810018/183629	40.9094	54.2CGD8	27	49.2063	22.9CGAA	99F1A7861899F1B78619
128500115A0307	010/85	0100306010/0306C0204010/0250010/030036	50.0121	54.6CGD12	35	08.4096	09.3AFRCC	99F1A7683699F1B76837
128500115A0606	010/85	0100605010/0604C0302010/0549010/055936	46.4121	47.1CGD12	35	05.6094	38.8AFRCC	07F1A7683699F1B76836
128500115A0900	010/85	0100859010/0858C0101010/0847010/085538	17.4103	26.4AFRCC	36	55.7114	47.9CGD12	99F1A7690208F1A76836
138500051B018/03:29Z		018/0323C0202018/0309018/031844	17.5127	35.8CGD13	43	58.8124	00.8AFRCC	99F1A7844599F1B78446
138500051B018/05:08Z		018/0502C0202018/0455018/050144	23.7124	45.5CGD13	48	50.3177	56.8CGD17A	99F1A7848999F1B78490

138500051B018/06:34Z	018/0624C0302018/0614018/062345	10.0127	52.3CGD13	44	51.1124	15.0CGD13	99F1A7849199F1B78492
138500051B018/06:34Z	018/0626C0302018/0613018/062342	38.9132	07.4CGD13	41	44.5121	01.0AFRCC	99F1A7849499F1B78495
138500051B018/08:20Z	018/0807C0302018/0801018/080645	21.1124	56.7CGD13	49	54.2177	42.9CGD17A	99F1A7852099F1B78521
148500180B011/11:13Z	011/1119C0102011/1112011/111621	37.6139	58.7CGD14	20	44.1156	32.7CGD14	99F1A7708599F1B77086
148500180B011/06:53Z	011/0022C0102011/0000011/001520	38.3151	29.8CGD14	20	55.0156	37.3CGD14	99F1A7701099F1B77011
148500222B024/22:12Z	024/2209C0102024/2137024/215320	40.4156	58.2CGD14	19	16.8127	59.3CGD11	99F1A7989999F1B79900
178500246S11 JAN 85 23 10Z	0112306011/2306C0102011/2300011/230655	34.9158	46.9CGD17K	51	16.2111	48.4CMCC	18F1A7692899F1B77169
178500246S11 JAN 85 19 13Z	0111909011/1908C0303011/1857011/190855	36.3158	45.0CGD17K	58	44.3126	41.3CMCC	17F1A7692899F1B77123
178500246S11 JAN 85 18 09Z	0111758011/1758C0203011/1743011/175255	38.1158	35.5CGD17K	53	33.4179	44.1CGD17A	11F1A7692899F1B77117
178500246S11 JAN 85 16 17Z	0111609011/1609C0203011/1557011/160855	40.1158	28.3CGD17K	58	34.5128	43.3CMCC	07F1A7692899F1B77104
178500246S11 JAN 85 14 31Z	0111425011/1424C0210011/1409011/140956	06.7158	07.2CGD17K	64	14.0070	25.0CMCC	23F1A7692899F1B77098
178500246	0111427011/1426C0210011/1409011/140956	32.1156	53.2CGD17K	64	34.4072	43.4CMCC	99F1A7709999F1B77100
178500246S11 JAN 85 13 16Z	0111258011/1257C0103011/1247011/125655	37.2158	37.6CGD17K	51	59.1161	55.7CGD17A	13F1A7692899F1B77094
178500246S11 JAN 85 13 08Z	0111257011/1257C0103011/1247011/125655	37.2158	37.6CGD17K	51	59.1161	55.7CGD17A	13F1A7692899F1B77094
178500246S11 JAN 85 11 22Z	0111116011/1115C0103011/1102011/111255	37.9158	27.4CGD17K	56	39.1148	06.6CGD17K	08F1A7692899F1B77082
178500246	0111118011/1118C0102011/1102011/111556	35.7146	26.2CGD17K	55	12.8159	56.4CGD17K	99F1A7708399F1B77084
178500246S11 JAN 85 10 38Z	0111029011/1027C0303011/0954011/100655	36.3158	41.8CGD17K	57	00.9173	20.5CGD17K	15F1A7692899F1B77071
178500246S11 JAN 85 10 37Z	0111026011/1026C0102011/0914011/093355	35.3158	33.3CGD17K	62	03.3091	29.2CMCC	12F1A7692899F1B77067
178500246S11 JAN 85 10 37Z	0111025011/1025C0302011/0809011/081455	34.7158	30.7CGD17K	52	12.2123	16.5CMCC	11F1A7692822F1A77048
178500246S11 JAN 85 06 18Z	0110600011/0337C0202011/0325011/033257	03.7153	02.7CGD17K	50	51.8081	26.9CMCC	99F1A7704399F1B77044
178500246	0110601011/0515C0202011/0508011/051455	35.6158	29.5CGD17K	52	21.7124	49.2CMCC	10F1A7692899F1B77045
178500246S	0110334C0202011/0325011/033249	21.1078	04.8CMCC	55	39.1158	26.2CGD17K	99F1A7703807F1A76928
178500246	0110559011/0337C0202011/0325011/033256	29.5155	52.4CGD17K	50	13.6079	43.5CMCC	99F1A7704199F1B77042
178500246S11 JAN 85 06 00Z	0110502011/0209C0103011/0156011/020855	37.0158	30.2CGD17K	58	53.0166	05.1CGD17A	10F1A7692899F1B77026
178500246	0110553011/0209C0103011/0156011/020855	37.0158	30.2CGD17K	58	53.0166	05.1CGD17A	10F1A7692899F1B77026
178500246S11 JAN 85 05 48Z	0110546011/0020C0102011/0010011/001553	55.1140	46.6CGD17K	55	38.6158	33.7CGD17K	99F1A7700910F1A76928
178500246S10 JAN 85 22 36Z	0102230010/2229C0101010/2225010/222855	38.2158	29.2CGD17K	49	56.3093	22.4CMCC	09F1A7692899F1B76991
178500246S10 JAN 85 19 23Z	0101908010/1907C0203010/1859010/190755	40.5158	27.7CGD17K	51	15.2148	00.00THER	06F1A7692899F1B76974
178500246S10 JAN 85 18 53Z	0101845010/1845C0302010/1827010/184555	37.9158	31.9CGD17K	60	44.9107	31.2CMCC	10F1A7692899F1B76954
178500246	0101848010/1847C0302010/1831010/184745	08.5147	02.8CGD17K	47	42.0114	40.2AFRCC	99F1A7695799F1B76958
178500246S10 JAN 85 17 33Z	0101728010/1728C0202010/1714010/172455	06.5164	05.1CGD17K	55	42.9158	10.5CGD17K	99F1A7694704F1A76928
178500246S10 JAN 85 15 48Z	0101540010/1540C0203010/1528010/153955	41.5158	14.9CGD17K	60	10.5109	14.6CMCC	03F1A7692899F1B76940
178500246S10 JAN 85 14 19Z	0101407010/1407C0210010/1339010/133957	36.7158	04.6CGD17K	67	04.7049	34.90THER	99F1A7693599F1B76936
178500246	0101408010/1407C0210010/1340010/134064	53.8047	43.30THER	55	40.8158	22.5CGD17K	99F1A7693704F1A76928
178500246S10 JAN 85 12 50Z	0101244010/1243C0103010/1213010/122355	45.1158	18.6CGD17K	53	45.1179	02.3CGD17A	99F1A7692899F1B76929
178500246	0101245010/1244C0103010/1213010/122355	45.1158	18.6CGD17K	53	45.1179	02.3CGD17A	99F1A7692899F1B76929

THE COMPUTER CENTER WILL BE CLOSED FROM 12:00 - 1:00 TODAY, EXT. 5431
OK,

SECTION 4.
SAR CASE ANALYSIS PROGRAMS

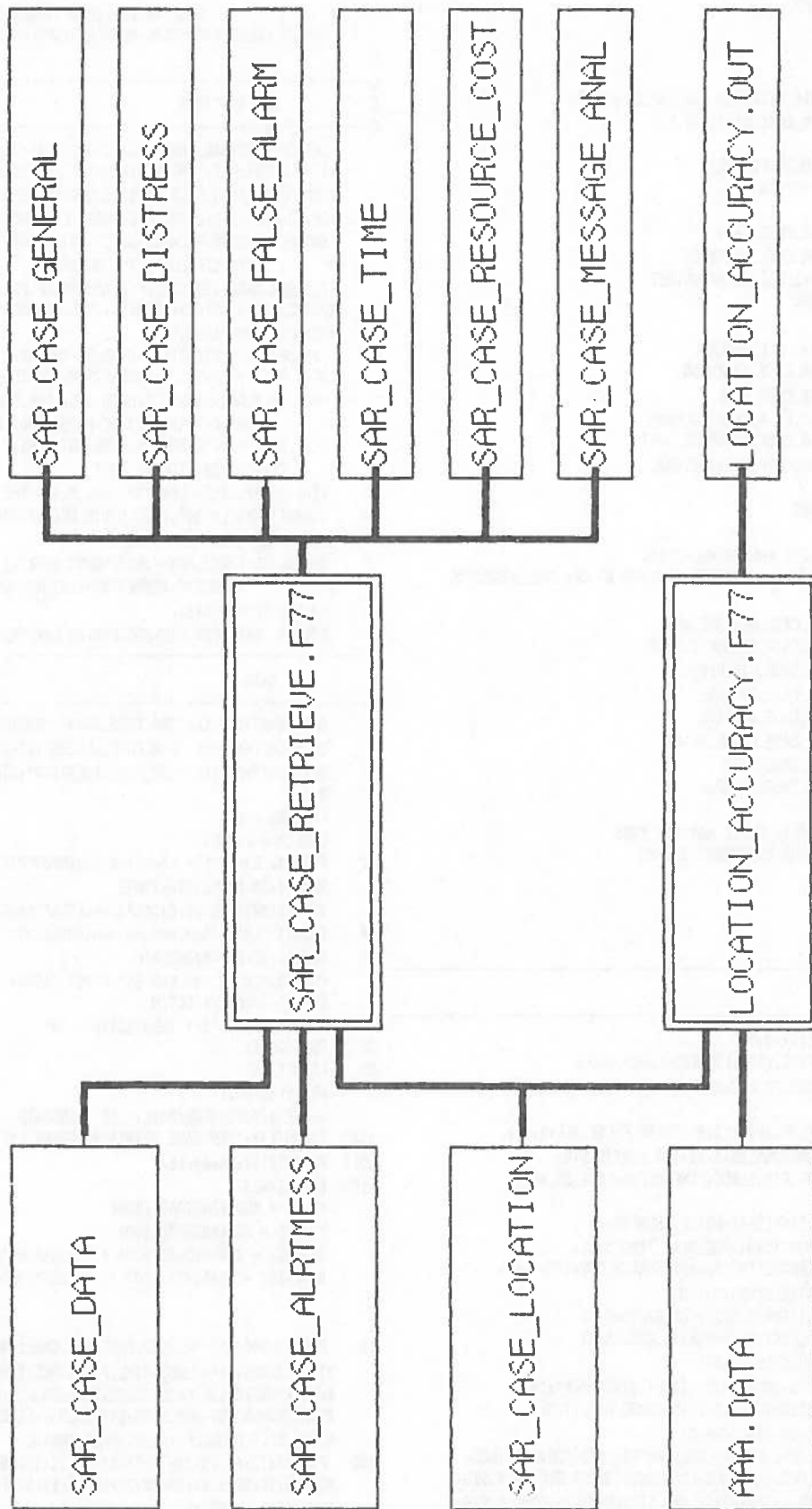


FIGURE 4-1. SAR CASE ANALYSIS PROGRAMS

SLIST SAR_CASE_RETRIEVE.F77

PROGRAM RETRIEVE

```

C TITLE: DATA RETRIEVAL ON SAR_CASE_DATA
C FILE NAME: SAR_CASE_RETRIEVE.F77
C
C AUTHOR: GEORGE COSTIGAN
C DATE INITIATED: 09/07/84
C
C INPUT FILE: SAR_CASE_DATA
C SAR_CASE_ALRTMESS
C SAR_CASE_LOCATION.OUT
C TERMINAL INPUT: NONE
C
C OUTPUT FILES: SAR_CASE_GENERAL
C SAR_CASE_DISTRESS
C SAR_CASE_TIME
C SAR_CASE_FALSE_ALARMS
C SAR_CASE_RESOURCE_COST
C SAR_CASE_MESSAGE_ANAL
C
C UPDATE VARIABLES: NONE
C
C TO EXECUTE PROGRAM DELETE FOLLOWING FILES:
C BY DOING (CD SAR_CASE_DEL) BEFORE RUNNING OF SAR_CASE_RETRIEVE
C
C SAR_CASE_MESSAGE_ANAL
C SAR_CASE_RESOURCE_COST
C SAR_CASE_DISTRESS
C SAR_CASE_ERRORS
C SAR_CASE_GENERAL
C SAR_CASE_FALSE_ALARM
C SAR_CASE_TIME
C SAR_CASE_GENERAL
C
C REVISIONS MADE BY: ANTONIO ORTIZ MAY 10, 1985
C GEORGE COSTIGAN 7/3/85

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PROGRAM DESCRIPTION:

COMMON BLOCKS

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COMMON /BLOCK1/ ANAL1(15,10,5)
COMMON /BLOCK2/ DIST,TYPE_DIST,LOCATED,LIVES_SAVED
COMMON /BLOCK3/ SO,CAUSE_FA,LOC,HHS2,HH3F,HC130,HH25,OTHER,
*SORTIE
COMMON /BLOCK4/ SOURCE_OF_ALARM(5,8),CS_OF_FALSE_ALR(5,7),
*LOCATION(5,19),SEARCH_RESOURCES(5,6),TOT_SORTIE(5,8)
COMMON /BLOCK5/ YR,TIME_FIRST_RCC,TIME_OCCUR,TIME_SS_NOT,
*TIME_NONSS_NOT
COMMON /BLOCK6/ NOTIF_TIME(5,4),NOTIF_COUNT(5,4),
*PLAN_TIME(5,4),PLAN_COUNT(5,4),MOD_PLAN_TIME(5,4),
*MOD_PLAN_COUNT(5,4),SEARCH_TIME(5,4,6),SEARCH_COUNT(5,4,6),
*SORTIE_TIME(5,4,8),SORTIE_COUNT(5,4,8)
COMMON /BLOCK7/ DISPOSITION(5,5,2),ORIGIN(5,5,3)
COMMON /BLOCK8/ SEARCH_COST(5,5),SORTIE_COST(5,5)
COMMON /BLOCK9/ CGD,SAR_CASE1,DATE1
COMMON /BLOCK10/ TOTMESS,SOURCE(20),TYPE(20),COMMENT(20)
COMMON /BLOCK11/ NUM_MESSAGES(5,5,6),MESSAGE_ANAL(4,8)
COMMON /BLOCK12/ SS,AC,RD,OTBEACON,OT
COMMON /BLOCK13/ CGD2,CGFLAG,SAR_CASE2,DATE2,LATD_OCC,LATM_OCC,
* LATDIR_OCC,LOND_OCC,LONM_OCC,LONDIR_OCC,LATD_SIG,
* LATM_SIG,LATDIR_SIG,LOND_SIG,LONM_SIG,LONDIR_SIG,

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* DOS2,NOTES,LOCODE,VEHCODE
COMMON /BLOCK14/ HHS2C,HH3FC,HC130C,HH25C,BOAT,CUTTER

```

C-----

DECLARATIONS

```

C-----
C
C INTEGER CGD,SAR_CASE1,DATE1,JDAY,F1,F2,F4,F16,TIME_OCCUR,
*TIME_FIRST_RCC,TIME_DISTR_SITED,TIME_SS_NOT,TIME_NONSS_NOT,
*NUM_MESS,LIVES_LOST,LIVES_SAVED,LOCATED,DIST,TYPE_DIST,CAUSE_FA,
*OR,SO,PART,I,L,STARTDATE,ENDDATE,YR,NOTIF_COUNT
C INTEGER CGD2,SAR_CASE2,DATE2,DATE3,DOS2,LATD_OCC,LOND_OCC,
* LATD_SIG,LOND_SIG,FORWARD
C INTEGER ANAL1,SOURCE_OF_ALARM,CS_OF_FALSE_ALR,LOCATION,
*DISPOSITION,ORIGIN,TOTMESS,TYPE,NUM_MESSAGES,MESSAGE_ANAL,
*SS,AC,RD,OTBEACON,OT
C INTEGER DATE_ST,DATE_END,YR_ST,YR_END,M
C REAL HHS2,HH3F,HC130,HH25,OTHER,SORTIE,OTHER_COST
C REAL LATM_OCC,LONM_OCC,LATM_SIG,LONM_SIG,
* HHS2C,HH3FC,HC130C,HH25C,BOAT,CUTTER
C REAL SEARCH_TIME,SORTIE_TIME,TOT_SORTIE,SEARCH_RESOURCES,
* SEARCH_COST,SORTIE_COST
C REAL NOTIF_TIME,PLAN_TIME,MOD_PLAN_TIME
C CHARACTER*1 LATDIR_OCC,LONDIR_OCC,LATDIR_SIG,LONDIR_SIG,CGFLAG
C CHARACTER*3 LOCODE,VEHCODE
C CHARACTER FIRST_NOT,FIRST_NONSS_NOT*2,DISTANCE*3,TEST*5,
* SOURCE*2,COMMENT*2,ELTIN*1,XOUT*1,SARKASE*132
C CHARACTER NOTES*31
C LOGICAL RES_COST_ERR,LOC_ERR,OT_ERR,TL_ERR,ELTFIRST,OKSKIP

```

C-----

MAIN

```

C-----
C
C OPEN(UNIT=5,FILE='SAR_CASE_DATA',STATUS='OLD')
C OPEN(UNIT=6,FILE='SAR_CASE_ERRORS',STATUS='NEW')
C OPEN(UNIT=9,FILE='SAR_CASE_LOCATION',STATUS='OLD')
C M = 0
C FORWARD = 0
C OKSKIP = .TRUE.
C 2 PRINT*, 'Enter the starting day(MMDDYR):'
C READ(1,20,ERR=2)STARTDATE
C IF ((STARTDATE.LT.010183).OR.(STARTDATE.GT.123185))GO TO 2
C 4 PRINT*, 'Enter the ending day(MMDDYR):'
C READ(1,20,ERR=4)ENDDATE
C 6 PRINT*, 'ENTER (Y) FOR ELT-FIRST CASES, (N) OTHERWISE'
C READ(1,25,ERR=6)ELTIN
C IF (ELTIN.NE.'Y') THEN ELTIN = 'N'
C 25 FORMAT(A1)
C 20 FORMAT(I6)
C WRITE(6,1000)
C WRITE(6,1010)STARTDATE,' TO ',ENDDATE
C 1000 FORMAT(3X,'SAR CASE RETRIEVAL ERROR LISTING')
C 1010 FORMAT(11X,I6,A4,I6/)
C 1020 FORMAT(A132)
C YR_ST = MOD(STARTDATE,100)
C YR_END = MOD(ENDDATE,100)
C DATE_ST = (STARTDATE/100) + (YR_ST*10000)
C DATE_END = (ENDDATE/100) + (YR_END*10000)
C
C
C 10 READ(5,100,END=900)CGD,XOUT,SAR_CASE1,DATE1,F1,F2,F4,F16,
*TIME_OCCUR,FIRST_NOT,TIME_FIRST_RCC,TIME_DISTR_SITED,DISTANCE,
*HHS2,HH3F,HC130,HH25,OTHER,TIME_SS_NOT,FIRST_NONSS_NOT,
*TIME_NONSS_NOT,NUM_MESS,LIVES_LOST,LIVES_SAVED,LOCATED,DIST,
*TYPE_DIST,CAUSE_FA,OR,SO,PART,SORTIE
C 100 FORMAT(I2,A1,I5,1X,I6,1X,I1,I1,I1,I1,I8,1X,A1,1X,I8,2X,I8,
*2X,A3,2X,5(F5.1),4X,I8,2X,A2,1X,I8,2X,I3,2(1X,I2),
*2X,7(11),1X,F5.1)

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IF(XOUT.NE.' ')THEN
  BACKSPACE(5)
  READ(5,1020)SARKASE
  WRITE(6,1020)SARKASE
  GO TO 10
END IF
YR = MOD(DATE1,100)
DATE3 = DATE1
IDATE = (DATE1/100) + (YR*10000)
DATE1 = AINT(FLOAT(DATE1)/100)
IF ((DATE_ST.LE.IDATE).AND.(YR_ST.LE.YR).AND.
* (DATE_END.GE.IDATE).AND.(YR_END.GE.YR))THEN
  L = 0
  I = 0
  CALL SEARC_TL(TL_ERR,ELTFIRST)

  IF((TL_ERR.EQV.,FALSE.).AND.((ELTIN.EQ.'N').OR.
* ((ELTFIRST.EQV.,TRUE.).AND.(ELTIN.EQ.'Y'))))THEN
    CALL LOC_CODE(DATE3,LOC_ERR,OKSKIP,FORWARD)
    OTHER_COST = 0.0
; WHEN OTHER COST FILE IS INSTALLED CHANGE ERR_MESS(...) TO OTH_COST(...)
; AND UN-COMMENT FOLLOWING TWO LINES
;
; IF (OTHER.GT.0.0)CALL ERR_MESS('OTHER COST ',YR)
; IF (OT_ERR.EQV.,TRUE,)
; * CALL ERR_MESS('OTHER COST NOT FOUND',YR)
; CALL PART_LEV(PART,FIRST_NOT,I)
; CALL LOC_AREA(SO,OR,LOC,L)
; M = M + 1
; CALL GENERAL(I,L)
; CALL DIST_TAB(I,L,CGD)
; IF (LOC_ERR.NEQV.,TRUE.)THEN
; CALL FALSE_AL(I,LOCODE,VENCODE)
; CALL TIME_TAB
; * (I,I,FIRST_NOT,DIST,LOCATED,CGD,SAR_CASE,DATE1)
; ELSE
; CALL ERR_MESS('LOC DATA NOT FOUND ',YR)
; ENDIF
; CALL RES_COST(I,OTHER_COST,RES_COST_ERR)
; IF (RES_COST_ERR.EQV.,TRUE,)
; * CALL ERR_MESS('RESOURCE COST ERROR',YR)
; IF (TL_ERR.EQV.,FALSE.)THEN
; CALL TIME_LIN(I)
; ELSE
; CALL ERR_MESS('TIME LINE NOT FOUND ',YR)
; ENDIF
; ENDIF
; ENDIF
; GO TO 10
900 CALL WRITE_GE(STARTDATE,ENDDATE)
CALL WRITE_DI(STARTDATE,ENDDATE)
CALL WRITE_FA(STARTDATE,ENDDATE)
CALL WRITE_TI(1,STARTDATE,ENDDATE)
CALL WRITE_RE(STARTDATE,ENDDATE)
CALL WRITE_TL(STARTDATE,ENDDATE)
PRINT*,M
CLOSE(5)
CLOSE(6)
CLOSE(9)
STOP
EN!

```

```

C-----
C SUBROUTINE TO CONVERT MDDHRM TO MINUTES
C-----

```

```

C SUBROUTINE TSECONDS(YR,DATE,T)

```

```

C INTEGER DATF,MON,DAY,HR,MIN,IDAY,YR

```

```

C-----
REAL T
C
MON = AINT(FLOAT(DATE)/1000000)
DAY = AINT(FLOAT(DATE)/10000)
DAY = MOD(DAY,100)
HR = AINT(FLOAT(DATE)/100)
HR = MOD(HR,100)
MIN = MOD(DATE,100)
CALL CAL_JDAY(MON,DAY,YR,JDAY)
T = JDAY*1440 + HR*60 + MIN
RETURN
END

```

```

C-----
C SUBROUTINE TO CONVERT CALENDER DATE TO JULIAN
C-----

```

```

C SUBROUTINE CAL_JDAY(MON,DAY,YEAR,TOTDAY)

```

```

C INTEGER MON,DAY,YEAR,TOTDAY,ADDAY,J

```

```

C
ADDAY = 0
TOTDAY = 0
IF (MON.NE.1) THEN
  DO 500 J=2,MON
    IF ((J.EQ.5).OR.(J.EQ.7).OR.(J.EQ.10).OR.(J.EQ.12))
* ADDAY = 30
    IF ((J.EQ.2).OR.(J.EQ.4).OR.(J.EQ.6).OR.(J.EQ.8).OR.
* (J.EQ.9).OR.(J.EQ.11))ADDAY = 31
    IF ((J.EQ.3).AND.(YEAR.EQ.84))ADDAY = 29
    IF ((J.EQ.3).AND.(YEAR.NE.84))ADDAY = 28
    TOTDAY = TOTDAY + ADDAY
500 CONTINUE
ENDIF
TOTDAY = TOTDAY + DAY
RETURN
END

```

```

C-----
C SUBROUTINE TO FIND OUT PARTICIPATION LEVEL
C-----

```

```

C SUBROUTINE PART_LEV(PART,FIRST_NOT,I)

```

```

C I= 1=SARSAT ONLY 2=SARSAT FIRST 3=OTHER ONLY 4=OTHER FIRST

```

```

C
INTEGER PART,I
CHARACTER*1 FIRST_NOT

```

```

C
IF (PART.EQ.1)THEN
  I=1
ELSE
  IF (PART.EQ.2)THEN
    I=3
  ELSE
    IF (FIRST_NOT.EQ.'S')THEN
      I=2
    ELSE
      I=4
    ENDIF
  ENDIF
ENDIF
RETURN
END

```

```

C-----
C SUBROUTINE TO DETERMINE LOCATION AREA
C-----

```

```

C SUBROUTINE LOC_AREA(SO,OR,LOC,L)

```

```

C L= 1=INLAND 2=MARITIME 3=OTHER THAN I/M

```

```

C
INTEGER SO,OR,LOC,L
C
IF ((SO,EQ,1),OR,(SO,EQ,2),OR,(OR,EQ,2),OR,(((SO,EQ,5),OR,
* (SO,EQ,6),OR,(SO,EQ,7)),AND,((LOC,EQ,1),OR,(LOC,EQ,3))))
*THEN
L=1
ELSE
IF ((SO,EQ,3),OR,(SO,EQ,4),OR,(OR,EQ,1),OR,(((SO,EQ,5),OR,
* (SO,EQ,6),OR,(SO,EQ,7)),AND,((LOC,EQ,4),OR,(LOC,EQ,5),OR,
* (LOC,EQ,6),OR,(LOC,EQ,7))))THEN
L=2
ELSE
L=3
ENDIF
ENDIF
RETURN
END
-----
C
SUBROUTINE TO FIND 'OTHER' COST
-----
SUBROUTINE OTH_COST(COST)
C
COMMON /BLOCK9/ CGD1,SAR_CASE,DATE1
C
INTEGER CGD1,SAR_CASE1,DATE1,CGD2,SAR_CASE2,DATE2
REAL COST
C
OPEN(UNIT=7,FILE='SAR_CASE_OTHERCOST',STATUS='OLD')
COST = 5.00
C
CLOSE(7)
RETURN
END
-----
C
SUBROUTINE TO SEARCH FOR LOCATION CODE
-----
SUBROUTINE LOC_CODE( DATE3,ERR,OKSKIP,FORWARD)
C
COMMON /BLOCK9/ CGD,SAR_CASE1,DATE1
COMMON /BLOCK13/ CGD2,CGFLAG,SAR_CASE2,DATE2,LATD_OCC,LATH_OCC,
* LATDIR_OCC,LOND_OCC,LONM_OCC,LONDIR_OCC,LATD_SIG,
* LATH_SIG,LATDIR_SIG,LOND_SIG,LONM_SIG,LONDIR_SIG,
* DOS2,NOTES,LOCODE,VEHCODE
COMMON /BLOCK14/ HH52C,HH3FC,HC130C,HH25C,BOAT,CUTTER
C
INTEGER CGD,CGD2,SAR_CASE1,SAR_CASE2,DATE1,DATE2,DATE3,
#DOS2,LATD_OCC,LOND_OCC,LATD_SIG,LOND_SIG,SKIP,FORWARD,X
LOGICAL ERR,OKSKIP
REAL LATH_OCC,LONM_OCC,LATH_SIG,LONM_SIG,
* HH52C,HH3FC,HC130C,HH25C,BOAT,CUTTER
CHARACTER#1 LATDIR_OCC,LONDIR_OCC,LATDIR_SIG,LONDIR_SIG,CGFLAG,D
CHARACTER#3 LOCODE,VEHCODE
CHARACTER NOTES#31
C
ERR = ,FALSE.
IF ((OKSKIP,EQV, ,TRUE, ),AND, (FORWARD,GT,30))THEN
DO 100 X=1,FORWARD-30
READ(9,170,END=225)D
CONTINUE
100
ENDIF
150 READ(9,175,END=225)CGD2,CGFLAG,SAR_CASE2,DATE2,LATD_OCC,
*LATH_OCC,LATDIR_OCC,LOND_OCC,LONM_OCC,LONDIR_OCC,LATD_SIG,
*LATH_SIG,LATDIR_SIG,LOND_SIG,LONM_SIG,LONDIR_SIG,DOS2,NOTES,
*LOCODE,VEHCODE,HH52C,HH3FC,HC130C,HH25C,BOAT,CUTTER
C
IF ((CGD,EQ,CGD2),AND,(SAR_CASE1,EQ,SAR_CASE2),AND,
* (DATE3,EQ,DATE2))THEN
OKSKIP = ,FALSE.
FORWARD = FORWARD + 1
SKIP = 0
RETURN
ELSE
SKIP = SKIP + 1
PRINT*,CGD,SAR_CASE1,DATE3
PRINT*,CGD2,SAR_CASE2,DATE2
PRINT*,*****
IF ((OKSKIP,EQV, ,FALSE, ),AND,(SKIP,GT,25))GOTO 225
GOTO 150
ENDIF
225 ERR = ,TRUE.
OKSKIP = ,TRUE.
CLOSE (UNIT=9)
OPEN(UNIT=9,FILE='SAR_CASE_LOCATION',STATUS='OLD')
IF ((CGD,EQ,3),AND,(SAR_CASE1,EQ,240),AND,(DATE3,EQ,90984))THEN
PRINT*,CGD2,SAR_CASE2,DATE2
ENDIF
C
FORMAT(A)
170
175 FORMAT(I2,A,I5,1X,I6,2(1X,I2,1X,F4.1,A,1X,I3,1X,F4.1,A),
*1X,I3,1X,A31,A3,1X,A3,6(2X,F4.1))
RETURN
C
END
-----
C
SUBROUTINE TO SEARCH FOR MATCHING TIME-LINE ENTRY
-----
SUBROUTINE SEARC_TL(ERR,ELTFIRST)
C
COMMON /BLOCK5/ YR,TIME_FIRST_RCC,TIME_OCCUR,TIME_SS_NOT,
* TIME_NONSS_NOT
COMMON /BLOCK9/ CGD1,SAR_CASE1,DATE1
COMMON /BLOCK10/ TOTMESS,SOURCE(20),TYPE(20),COMMENT(20)
C
INTEGER CGD1,CGD2,SAR_CASE1,SAR_CASE2,DATE1,DATE2,TOTMESS,TYPE,M
CHARACTER#2 SOURCE,DUMMY,COMMENT
LOGICAL ERR,ELTFIRST
INTEGER TIME_MESS,TIME_FIRST_RCC,TIME_OCCUR,TIME_SS_NOT,
* TIME_NONSS_NOT,YR
C
OPEN(UNIT=10,FILE='SAR_CASE_ALERTMESS',STATUS='OLD')
20 READ(10,200,END=900)CGD2,SAR_CASE2,DATE2,TOTMESS,TIME_MESS,
* SOURCE(1),TYPE(1),COMMENT(1)
IF ((CGD1,EQ,CGD2),AND,(SAR_CASE1,EQ,SAR_CASE2),AND,
* (DATE1,EQ,DATE2))THEN
IF (SOURCE(1),EQ,'SS',AND,TIME_SS_NOT,NE,TIME_MESS)
* CALL ERR_MESS('SS NOTIF <> TIME MES',YR)
IF (SOURCE(1),NE,'SS',AND,TIME_NONSS_NOT,NE,TIME_MESS)
* CALL ERR_MESS('NONSS NOT<> TIME MES',YR)
DO 300 M=2,TOTMESS
READ(10,210,END=900)TIME_MESS,SOURCE(M),TYPE(M),COMMENT(M)
C
IF (SOURCE(M),EQ,'SS',AND,(TIME_MESS,LT,TIME_SS_NOT,OR,
C * TIME_SS_NOT,LT,10))TIME_SS_NOT = TIME_MESS
C
IF (SOURCE(M),NE,'SS',AND,(TIME_MESS,LT,TIME_NONSS_NOT,OR,
C * TIME_NONSS_NOT,LT,10))TIME_NONSS_NOT = TIME_MESS
300
CONTINUE
ELTFIRST = ,TRUE.
IF((TYPE(1),EQ,0),OR,(TYPE(1),EQ,4))ELTFIRST = ,FALSE.
ERR = ,FALSE.
ELSE
DO 305 M=2,TOTMESS
READ(10,220,END=900)DUMMY
305 CONTINUE

```

```

GO TO 20
ENDIF
RETURN
10 FORMAT(I2,1X,I5,1X,I4,8X,I2,1X,I8,1X,A2,1X,I1,1X,A2)
10 FORMAT(24X,I8,1X,A2,1X,I1,1X,A2)
20 FORMAT(A2)
30 ERR = ,TRUE.
CLOSE(10)
RETURN
END

```

```

-----
SUBROUTINE TO WRITE PROBLEM CASES INTO FILE TO BE LOOKED AT LATER
-----
SUBROUTINE ERR_MESS(ERROR_TYPE,YR)

COMMON /BLOCK9/ CGD,SAR_CASE,DATE1
INTEGER CGD,DATE1,SAR_CASE,YR
CHARACTER ERROR_TYPE*20

WRITE(6,1050)CGD,SAR_CASE,DATE1,YR,ERROR_TYPE
050 FORMAT(I2,2X,I5,2X,I6,I2,2X,A20)

RETURN
END

```

```

-----
SUBROUTINE TO DETERMINE NUMBER OF LOCATED, NON-LOCATED CASES AND ORIGIN
-----
SUBROUTINE GENERAL(I,L)

COMMON /BLOCK2/ DIST,TYPE_DIST,LOCATED,LIVES_SAVED
COMMON /BLOCK7/ DISPOSITION(5,5,2),ORIGIN(5,5,3)

INTEGER I,L,DIST,TYPE_DIST,LOCATED,LIVES_SAVED,DISPOSITION,
*ORIGIN

IF (LOCATED.EQ.1)THEN
DISPOSITION(1,I,1) = DISPOSITION(1,I,1) + 1
ORIGIN(1,I,L) = ORIGIN(1,I,L) + 1
IF (DIST.EQ.1)THEN
DISPOSITION(2,I,1) = DISPOSITION(2,I,1) + 1
ORIGIN(2,I,L) = ORIGIN(2,I,L) + 1
ELSE
DISPOSITION(3,I,1) = DISPOSITION(3,I,1) + 1
ORIGIN(3,I,L) = ORIGIN(3,I,L) + 1
ENDIF
IF (TYPE_DIST.EQ.2)THEN
DISPOSITION(4,I,1) = DISPOSITION(4,I,1) + 1
ORIGIN(4,I,L) = ORIGIN(4,I,L) + 1
ELSE
IF ((TYPE_DIST.EQ.3).OR.(TYPE_DIST.EQ.4))THEN
DISPOSITION(5,I,1) = DISPOSITION(5,I,1) + 1
ORIGIN(5,I,L) = ORIGIN(5,I,L) + 1
ENDIF
ENDIF
ELSE
DISPOSITION(1,I,2) = DISPOSITION(1,I,2) + 1
ORIGIN(1,I,L) = ORIGIN(1,I,L) + 1
IF (TYPE_DIST.EQ.2)THEN
DISPOSITION(4,I,2) = DISPOSITION(4,I,2) + 1
ORIGIN(4,I,L) = ORIGIN(4,I,L) + 1
ELSE
IF ((TYPE_DIST.EQ.3).OR.(TYPE_DIST.EQ.4))THEN
DISPOSITION(5,I,2) = DISPOSITION(5,I,2) + 1
ORIGIN(5,I,L) = ORIGIN(5,I,L) + 1
ENDIF
ENDIF

```

```

ENDIF
ENDIF
C
RETURN
END
-----
SUBROUTINE TO COMPUTE DISTRESS NON-DISTRESS TABLE
-----
SUBROUTINE DIST_TAB(I,L,CGD)

C
ANAL1 IS A 3D ARRAY THAT HOLDS ALL RESULT COMPUTED,
C 15 : TABLES:
C COAST GUARD DISTRICTS (1-11);
C ALL DISTRICTS TOTAL (12);
C INLAND, MARITIME, OTHER (13-15);
C 10 : VERTICAL CATEGORIES
C 5 : HORIZONTAL CATEGORIES
C
COMMON /BLOCK1/ ANAL1(15,10,5)
COMMON /BLOCK2/ DIST,TYPE_DIST,LOCATED,LIVES_SAVED

INTEGER I,L,DISTRICT,ANAL1,DIST,TYPE_DIST,LOCATED,
*LIVES_SAVED,CGD

DISTRICT = 0
IF (CGD.EQ.1)DISTRICT=1
IF (CGD.EQ.3)DISTRICT=2
IF (CGD.EQ.5)DISTRICT=3
IF (CGD.EQ.7)DISTRICT=4
IF (CGD.EQ.8)DISTRICT=5
IF (CGD.EQ.9)DISTRICT=6
IF (CGD.EQ.11)DISTRICT=7
IF (CGD.EQ.12)DISTRICT=8
IF (CGD.EQ.13)DISTRICT=9
IF (CGD.EQ.14)DISTRICT=10
IF (CGD.EQ.17)DISTRICT=11
IF (DISTRICT.EQ.0)PRINT*, 'COAST GUARD DISTRICT ERROR',CGD
IF (DIST.EQ.1)THEN
ANAL1(DISTRICT,1,I) = ANAL1(DISTRICT,1,I) + 1
ANAL1(12,1,I) = ANAL1(12,1,I) + 1
ANAL1(12+L,1,I) = ANAL1(12+L,1,I) + 1
ANAL1(DISTRICT,2,I) = ANAL1(DISTRICT,2,I) + LIVES_SAVED
ANAL1(12,2,I) = ANAL1(12,2,I) + LIVES_SAVED
ANAL1(12+L,2,I) = ANAL1(12+L,2,I) + LIVES_SAVED
ELSE
IF (LOCATED.EQ.1)THEN
ANAL1(DISTRICT,3,I) = ANAL1(DISTRICT,3,I) + 1
ANAL1(12,3,I) = ANAL1(12,3,I) + 1
ANAL1(12+L,3,I) = ANAL1(12+L,3,I) + 1
IF (TYPE_DIST.EQ.1)THEN
ANAL1(DISTRICT,4,I) = ANAL1(DISTRICT,4,I) + 1
ANAL1(12,4,I) = ANAL1(12,4,I) + 1
ANAL1(12+L,4,I) = ANAL1(12+L,4,I) + 1
ELSE
IF (TYPE_DIST.EQ.2)THEN
ANAL1(DISTRICT,5,I) = ANAL1(DISTRICT,5,I) + 1
ANAL1(12,5,I) = ANAL1(12,5,I) + 1
ANAL1(12+L,5,I) = ANAL1(12+L,5,I) + 1
ELSE
ANAL1(DISTRICT,6,I) = ANAL1(DISTRICT,6,I) + 1
ANAL1(12,6,I) = ANAL1(12,6,I) + 1
ANAL1(12+L,6,I) = ANAL1(12+L,6,I) + 1
ENDIF
ENDIF
ELSE
ANAL1(DISTRICT,7,I) = ANAL1(DISTRICT,7,I) + 1

```

```

ANAL1(12,7,I)      = ANAL1(12,7,I) + 1
ANAL1(12+L,7,I)   = ANAL1(12+L,7,I) + 1
  IF (TYPE_DIST.EQ.2) THEN
    ANAL1(DISTRICT,8,I) = ANAL1(DISTRICT,8,I) + 1
    ANAL1(12,8,I)      = ANAL1(12,8,I) + 1
    ANAL1(12+L,8,I)    = ANAL1(12+L,8,I) + 1
  ELSE
    ANAL1(DISTRICT,9,I) = ANAL1(DISTRICT,9,I) + 1
    ANAL1(12,9,I)      = ANAL1(12,9,I) + 1
    ANAL1(12+L,9,I)    = ANAL1(12+L,9,I) + 1
  ENDIF
ENDIF
ENDIF
RETURN
END
C-----
C  SUBROUTINE TO COMPUTE TABLE FOR FALSE ALARMS
C-----
C  SUBROUTINE FALSE_AL(I,LOCODE,VEHCODE)
C
COMMON /BLOCK3/ SO,CAUSE_FA,LOC,HH52,HH3F,HC130,HH25,OTHER,
*SORTIE
COMMON /BLOCK4/ SOURCE_OF_ALARM(5,8),CS_OF_FALSE_ALR(5,7),
*LOCATION(5,19),SEARCH_RESOURCES(5,6),TOT_SORTIE(5,8)
COMMON /BLOCK14/ HH52C,HH3FC,HC130C,HH25C,BOAT,CUTTER
C
INTEGER SO,CAUSE_FA,LOC,SOURCE_OF_ALARM,CS_OF_FALSE_ALR,
*LOCATION,I,ALOC
REAL HH52,HH3F,HC130,HH25,OTHER,SORTIE,TOT_SORTIE,
*SEARCH_RESOURCES
REAL HH52C,HH3FC,HC130C,HH25C,BOAT,CUTTER,ASORTIE
CHARACTER*3 LOCODE,VEHCODE
C
IF (CAUSE_FA.GT.0) THEN
  SOURCE_OF_ALARM(I,SO) = SOURCE_OF_ALARM(I,SO) + 1
  CALL DETER_LOC(SO,LOCODE,VEHCODE,ALOC)
  LOCATION(I,ALOC) = LOCATION(I,ALOC) + 1
  IF ((ALOC.GE.2).AND.(ALOC.LE.8)) LOCATION(I,1)=LOCATION(I,1)+1
  IF ((ALOC.GE.10).AND.(ALOC.LE.17)) LOCATION(I,9)=LOCATION(I,9)+1
  SEARCH_RESOURCES(I,1) = SEARCH_RESOURCES(I,1) + HH52
  SEARCH_RESOURCES(I,2) = SEARCH_RESOURCES(I,2) + HH3F
  SEARCH_RESOURCES(I,3) = SEARCH_RESOURCES(I,3) + HC130
  SEARCH_RESOURCES(I,4) = SEARCH_RESOURCES(I,4) + HH25
  SEARCH_RESOURCES(I,5) = SEARCH_RESOURCES(I,5) + OTHER
  CS_OF_FALSE_ALR(I,CAUSE_FA) = CS_OF_FALSE_ALR(I,CAUSE_FA) + 1
  TOT_SORTIE(I,1) = TOT_SORTIE(I,1) + HH52C
  TOT_SORTIE(I,2) = TOT_SORTIE(I,2) + HH3FC
  TOT_SORTIE(I,3) = TOT_SORTIE(I,3) + HC130C
  TOT_SORTIE(I,4) = TOT_SORTIE(I,4) + HH25C
  TOT_SORTIE(I,5) = TOT_SORTIE(I,5) + BOAT
  TOT_SORTIE(I,6) = TOT_SORTIE(I,6) + CUTTER
  ASORTIE = HH52C + HH3FC + HC130C + HH25C + BOAT + CUTTER
  IF (SORTIE.GT.ASORTIE)
*   TOT_SORTIE(I,7) = TOT_SORTIE(I,7) + SORTIE - ASORTIE
ENDIF
C
RETURN
END
C-----
C  SUBROUTINE TO DETERMINE ACTUAL LOCATION FROM VEHICLE AND LOCATION CODES
C-----
C  SUBROUTINE DETER_LOC(SO,LOCODE,VEHCODE,ALOC)
C
INTEGER ALOC,SO
CHARACTER*3 VEHCODE,LOCODE
C
ALOC = 16
IF ((VEHCODE.EQ.'ACF').OR.(VEHCODE.EQ.'UNK').OR.
* (SO.EQ.1).OR.(SO.EQ.2)) THEN
  ALOC = 8
  IF (LOCODE.EQ.'AIR') ALOC = 2
  IF (LOCODE.EQ.'LND') ALOC = 3
  IF (LOCODE.EQ.'ISL') ALOC = 4
  IF (LOCODE.EQ.'APT') ALOC = 5
  IF (LOCODE.EQ.'NPT') ALOC = 6
  IF (LOCODE.EQ.'NVA') ALOC = 7
ENDIF
IF ((VEHCODE.EQ.'MVC').OR.(VEHCODE.EQ.'MVP').OR.
* (VEHCODE.EQ.'SUP').OR.(VEHCODE.EQ.'FVC').OR.
* (VEHCODE.EQ.'DTV').OR.(VEHCODE.EQ.'MVG').OR.
* (VEHCODE.EQ.'UNK').OR.(SO.EQ.3).OR.(SO.EQ.4)) THEN
  ALOC = 17
  IF (LOCODE.EQ.'L20') ALOC = 10
  IF (LOCODE.EQ.'G20') ALOC = 11
  IF (LOCODE.EQ.'OSH') ALOC = 12
  IF (LOCODE.EQ.'HBR') ALOC = 13
  IF (LOCODE.EQ.'NBR') ALOC = 14
  IF (LOCODE.EQ.'WWY') ALOC = 15
  IF (LOCODE.EQ.'NVA') ALOC = 16
ENDIF
IF ((VEHCODE.EQ.'UNK').AND.(LOCODE.EQ.'UNK')) ALOC = 18
C
RETURN
END
C-----
C  SUBROUTINE TO COMPUTE MEAN TIME
C-----
C  SUBROUTINE TIME_TAB(L,I,FIRST_NOT,DIST,LOCATED,CG,SC,D1)
C
COMMON /BLOCK3/ SO,CAUSE_FA,LOC,HH52,HH3F,HC130,HH25,OTHER,
*SORTIE
COMMON /BLOCK5/ YR,TIME_FIRST_RCC,TIME_OCCUR,TIME_SS_NOT,
*TIME_NONSS_NOT
COMMON /BLOCK6/ NOTIF_TIME(5,4),NOTIF_COUNT(5,4),
*PLAN_TIME(5,4),PLAN_COUNT(5,4),MOD_PLAN_TIME(5,4),
*MOD_PLAN_COUNT(5,4),SEARCH_TIME(5,4,6),SEARCH_COUNT(5,4,6),
*SORTIE_TIME(5,4,8),SORTIE_COUNT(5,4,8)
COMMON /BLOCK14/ HH52C,HH3FC,HC130C,HH25C,BOAT,CUTTER
C
INTEGER L,I,K,YR,TIME_FIRST_RCC,TIME_OCCUR,TIME_SS_NOT,
*TIME_NONSS_NOT,NOTIF_COUNT,PLAN_COUNT,MOD_PLAN_COUNT,
*SEARCH_COUNT,SORTIE_COUNT,DIST,LOCATED,CG,SC,D1
REAL HH52C,HH3FC,HC130C,HH25C,BOAT,CUTTER
REAL SEARCH_TIME,SORTIE_TIME,HH52,HH3F,HC130,HH25,OTHER,
*SORTIE,ASORTIE
REAL NOTIF_TIME,PLAN_TIME,MOD_PLAN_TIME,
*TIME1_TI,TIME2_TI,RCC1_TI,OCCUR_TI
CHARACTER FIRST_NOT*1
C
IF (DIST.EQ.1) THEN
  K=2
ELSE
  IF (LOCATED.EQ.1) THEN
    K=3
  ELSE
    K=4
  ENDIF
ENDIF
IF (FIRST_NOT.EQ.'S') THEN
  CALL TSECONDS(YR,TIME_SS_NOT,TIME1_TI)
ELSE
  CALL TSECONDS(YR,TIME_NONSS_NOT,TIME1_TI)

```


ENDIF

TESTS FOR ZERO TIMES WERE CHANGED TO TESTS FOR TIMES GT 10 ON MAY 19 1985
BY J B IN ORDER TO CIRCUMVENT AN APPARENTLY NONREMEDIAL ENTRY OF 1 IN
THE SAR_CASE_DATA ELEMENT FOR TIME_OCCUR, WHEN TIME_OCCUR SHOULD BE 0.

```
IF (TIME1_TI.GT.10)THEN
  IF (TIME_OCCUR.GT.10)THEN
    CALL TSECONDS(YR,TIME_OCCUR,OCCUR_TI)
  TNOTIF = (TIME1_TI-OCCUR_TI)
  IF (TNOTIF.GT.1440..OR.TNOTIF.LT.0.0)
  *WRITE(6,600)TNOTIF,CG,SC,D1
  IF (TIME1_TI.GE.OCCUR_TI)THEN
    NOTIF_TIME(K,L)=NOTIF_TIME(K,L)+(TIME1_TI-OCCUR_TI)
    NOTIF_TIME(1,L)=NOTIF_TIME(1,L)+(TIME1_TI-OCCUR_TI)
    NOTIF_COUNT(K,L) = NOTIF_COUNT(K,L) + 1
    NOTIF_COUNT(1,L) = NOTIF_COUNT(1,L) + 1
  ENDIF
ENDIF
IF (TIME_FIRST_RCC.GT.10)THEN
  CALL TSECONDS(YR,TIME_FIRST_RCC,RCC1_TI)
  TPLAN = RCC1_TI - TIME1_TI
  IF (TPLAN.GT.1440.0.OR.TPLAN.LT.0.0)
  *WRITE(6,601)TPLAN,CG,SC,D1
  IF (RCC1_TI.GE.TIME1_TI)THEN
    PLAN_TIME(K,L) = PLAN_TIME(K,L) + (RCC1_TI-TIME1_TI)
    PLAN_TIME(1,L) = PLAN_TIME(1,L) + (RCC1_TI-TIME1_TI)
    PLAN_COUNT(K,L) = PLAN_COUNT(K,L) + 1
    PLAN_COUNT(1,L) = PLAN_COUNT(1,L) + 1
  ENDIF
ENDIF
IF (I.GT.1)THEN
  IF ((TIME_NONSS_NOT.GT.10).AND.(TIME_FIRST_RCC.GT.10))THEN
    CALL TSECONDS(YR,TIME_NONSS_NOT,TIME2_TI)
    CALL TSECONDS(YR,TIME_FIRST_RCC,RCC1_TI)
    TMLPLAN = RCC1_TI - TIME2_TI
    IF (TMLPLAN.GT.1440.0.OR.TMLPLAN.LT.0.0)
    *WRITE(6,602)TMLPLAN,CG,SC,D1
    IF (RCC1_TI.GE.TIME2_TI)THEN
      MOD_PLAN_TIME(K,L)=MOD_PLAN_TIME(K,L)+(RCC1_TI-TIME2_TI)
      MOD_PLAN_TIME(1,L)=MOD_PLAN_TIME(1,L)+(RCC1_TI-TIME2_TI)
      MOD_PLAN_COUNT(K,L) = MOD_PLAN_COUNT(K,L) + 1
      MOD_PLAN_COUNT(1,L) = MOD_PLAN_COUNT(1,L) + 1
    ENDIF
  ENDIF
ENDIF
IF (DIST.EQ.1)THEN
  TPS = 0
  TPN = 0
  CALL TSECONDS(YR,TIME_SS_NOT,TSSN)
  CALL TSECONDS(YR,TIME_NONSS_NOT,TNSN)
  CALL TSECONDS(YR,TIME_FIRST_RCC,TFRUN)
  IF (TFRUN.GT.10)THEN
    IF (TSSN.GT.10)TPS = TFRUN - TSSN
    IF (TNSN.GT.10)TPN = TFRUN - TNSN
  END IF
ENDIF
WRITE(6,6000)CG,SC,D1,YR,TPS,TPN
C 6000  FORMAT(I3,I6,I5,I2,I3X,'SS PLAN TIME = ',I8,'NONSS PTIME = ',I8)
ENDIF
600  FORMAT(' NOTIF TIME = ',F10.0,3(I8))
601  FORMAT(' PLAN TIME = ',F10.0,3(I8))
602  FORMAT(' MOD PLAN TIME = ',F10.0,3(I8))
IF ((HH52.GT.0.0).OR.(HH3F.GT.0.0).OR.(HC130.GT.0.0).OR.
* (HH25.GT.0.0).OR.(OTHER.GT.0.0))THEN
  ASORTIE = HH52 + HH3F + HC130 + HH25 + OTHER
```

```
SEARCH_TIME(K,L,1) = SEARCH_TIME(K,L,1) + ASORTIE
SEARCH_TIME(1,L,1) = SEARCH_TIME(1,L,1) + ASORTIE
IF (HH52.GT.0.0)THEN
  SEARCH_TIME(K,L,2) = SEARCH_TIME(K,L,2) + HH52
  SEARCH_TIME(1,L,2) = SEARCH_TIME(1,L,2) + HH52
  SEARCH_COUNT(K,L,2) = SEARCH_COUNT(K,L,2) + 1
  SEARCH_COUNT(1,L,2) = SEARCH_COUNT(1,L,2) + 1
  SEARCH_COUNT(K,L,1) = SEARCH_COUNT(K,L,1) + 1
  SEARCH_COUNT(1,L,1) = SEARCH_COUNT(1,L,1) + 1
ENDIF
IF (HH3F.GT.0.0)THEN
  SEARCH_TIME(K,L,3) = SEARCH_TIME(K,L,3) + HH3F
  SEARCH_TIME(1,L,3) = SEARCH_TIME(1,L,3) + HH3F
  SEARCH_COUNT(K,L,3) = SEARCH_COUNT(K,L,3) + 1
  SEARCH_COUNT(1,L,3) = SEARCH_COUNT(1,L,3) + 1
  SEARCH_COUNT(K,L,1) = SEARCH_COUNT(K,L,1) + 1
  SEARCH_COUNT(1,L,1) = SEARCH_COUNT(1,L,1) + 1
ENDIF
IF (HC130.GT.0.0)THEN
  SEARCH_TIME(K,L,4) = SEARCH_TIME(K,L,4) + HC130
  SEARCH_TIME(1,L,4) = SEARCH_TIME(1,L,4) + HC130
  SEARCH_COUNT(K,L,4) = SEARCH_COUNT(K,L,4) + 1
  SEARCH_COUNT(1,L,4) = SEARCH_COUNT(1,L,4) + 1
  SEARCH_COUNT(K,L,1) = SEARCH_COUNT(K,L,1) + 1
  SEARCH_COUNT(1,L,1) = SEARCH_COUNT(1,L,1) + 1
ENDIF
IF (HH25.GT.0.0)THEN
  SEARCH_TIME(K,L,5) = SEARCH_TIME(K,L,5) + HH25
  SEARCH_TIME(1,L,5) = SEARCH_TIME(1,L,5) + HH25
  SEARCH_COUNT(K,L,5) = SEARCH_COUNT(K,L,5) + 1
  SEARCH_COUNT(1,L,5) = SEARCH_COUNT(1,L,5) + 1
  SEARCH_COUNT(K,L,1) = SEARCH_COUNT(K,L,1) + 1
  SEARCH_COUNT(1,L,1) = SEARCH_COUNT(1,L,1) + 1
ENDIF
IF (OTHER.GT.0.0)THEN
  SEARCH_TIME(K,L,6) = SEARCH_TIME(K,L,6) + OTHER
  SEARCH_TIME(1,L,6) = SEARCH_TIME(1,L,6) + OTHER
  SEARCH_COUNT(K,L,6) = SEARCH_COUNT(K,L,6) + 1
  SEARCH_COUNT(1,L,6) = SEARCH_COUNT(1,L,6) + 1
  SEARCH_COUNT(K,L,1) = SEARCH_COUNT(K,L,1) + 1
  SEARCH_COUNT(1,L,1) = SEARCH_COUNT(1,L,1) + 1
ENDIF
IF ((HH52C.GT.0.0).OR.(HH3FC.GT.0.0).OR.(HC130C.GT.0.0).OR.
* (HH25C.GT.0.0).OR.(BOAT.GT.0.0).OR.(CUTTER.GT.0.0))THEN
  ASORTIE = HH52C + HH3FC + HC130C + HH25C + BOAT + CUTTER
  SORTIE_TIME(K,L,1) = SORTIE_TIME(K,L,1) + ASORTIE
  SORTIE_TIME(1,L,1) = SORTIE_TIME(1,L,1) + ASORTIE
  IF (HH52C.GT.0.0)THEN
    SORTIE_TIME(K,L,2) = SORTIE_TIME(K,L,2) + HH52C
    SORTIE_TIME(1,L,2) = SORTIE_TIME(1,L,2) + HH52C
    SORTIE_COUNT(K,L,2) = SORTIE_COUNT(K,L,2) + 1
    SORTIE_COUNT(1,L,2) = SORTIE_COUNT(1,L,2) + 1
    SORTIE_COUNT(K,L,1) = SORTIE_COUNT(K,L,1) + 1
    SORTIE_COUNT(1,L,1) = SORTIE_COUNT(1,L,1) + 1
  ENDIF
  IF (HH3FC.GT.0.0)THEN
    SORTIE_TIME(K,L,3) = SORTIE_TIME(K,L,3) + HH3FC
    SORTIE_TIME(1,L,3) = SORTIE_TIME(1,L,3) + HH3FC
    SORTIE_COUNT(K,L,3) = SORTIE_COUNT(K,L,3) + 1
    SORTIE_COUNT(1,L,3) = SORTIE_COUNT(1,L,3) + 1
    SORTIE_COUNT(K,L,1) = SORTIE_COUNT(K,L,1) + 1
    SORTIE_COUNT(1,L,1) = SORTIE_COUNT(1,L,1) + 1
  ENDIF
  IF (HC130C.GT.0.0)THEN
    SORTIE_TIME(K,L,4) = SORTIE_TIME(K,L,4) + HC130C
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SORTIE_TIME(1,L,4) = SORTIE_TIME(1,L,4) + HC130C
SORTIE_COUNT(K,L,4) = SORTIE_COUNT(K,L,4) + 1
SORTIE_COUNT(1,L,4) = SORTIE_COUNT(1,L,4) + 1
SORTIE_COUNT(K,L,1) = SORTIE_COUNT(K,L,1) + 1
SORTIE_COUNT(1,L,1) = SORTIE_COUNT(1,L,1) + 1
ENDIF
IF (HH25C.GT.0.0)THEN
  SORTIE_TIME(K,L,5) = SORTIE_TIME(K,L,5) + HH25C
  SORTIE_TIME(1,L,5) = SORTIE_TIME(1,L,5) + HH25C
  SORTIE_COUNT(K,L,5) = SORTIE_COUNT(K,L,5) + 1
  SORTIE_COUNT(1,L,5) = SORTIE_COUNT(1,L,5) + 1
  SORTIE_COUNT(K,L,1) = SORTIE_COUNT(K,L,1) + 1
  SORTIE_COUNT(1,L,1) = SORTIE_COUNT(1,L,1) + 1
ENDIF
IF (BOAT.GT.0.0)THEN
  SORTIE_TIME(K,L,6) = SORTIE_TIME(K,L,6) + BOAT
  SORTIE_TIME(1,L,6) = SORTIE_TIME(1,L,6) + BOAT
  SORTIE_COUNT(K,L,6) = SORTIE_COUNT(K,L,6) + 1
  SORTIE_COUNT(1,L,6) = SORTIE_COUNT(1,L,6) + 1
  SORTIE_COUNT(K,L,1) = SORTIE_COUNT(K,L,1) + 1
  SORTIE_COUNT(1,L,1) = SORTIE_COUNT(1,L,1) + 1
ENDIF
IF (CUTTER.GT.0.0)THEN
  SORTIE_TIME(K,L,7) = SORTIE_TIME(K,L,7) + CUTTER
  SORTIE_TIME(1,L,7) = SORTIE_TIME(1,L,7) + CUTTER
  SORTIE_COUNT(K,L,7) = SORTIE_COUNT(K,L,7) + 1
  SORTIE_COUNT(1,L,7) = SORTIE_COUNT(1,L,7) + 1
  SORTIE_COUNT(K,L,1) = SORTIE_COUNT(K,L,1) + 1
  SORTIE_COUNT(1,L,1) = SORTIE_COUNT(1,L,1) + 1
ENDIF
IF (SORTIE.GT.ASORTIE)THEN
  ASORTIE = SORTIE - ASORTIE
  SORTIE_TIME(K,L,8) = SORTIE_TIME(K,L,8) + ASORTIE
  SORTIE_TIME(1,L,8) = SORTIE_TIME(1,L,8) + ASORTIE
  SORTIE_COUNT(K,L,8) = SORTIE_COUNT(K,L,8) + 1
  SORTIE_COUNT(1,L,8) = SORTIE_COUNT(1,L,8) + 1
  SORTIE_COUNT(K,L,1) = SORTIE_COUNT(K,L,1) + 1
  SORTIE_COUNT(1,L,1) = SORTIE_COUNT(1,L,1) + 1
ENDIF
ENDIF
C
RETURN
END
C-----
C SUBROUTINE TO CALCULATE RESOURCE COSTS
C-----
SUBROUTINE RES_COST(I,OTHER_COST,ERR)
C
COMMON /BLOCK2/ DIST,TYPE_DIST,LOCATED,LIVES_SAVED
COMMON /BLOCK3/ SO,CAUSE_FA,LOC,HH52,HH3F,HC130,HH25,OTHER,
*SORTIE
COMMON /BLOCK8/ SEARCH_COST(5,5),SORTIE_COST(5,5)
C
INTEGER DIST,TYPE_DIST,LOCATED,LIVES_SAVED,SO,CAUSE_FA,LOC,
*I,K
REAL HH52,HH3F,HC130,HH25,OTHER,SORTIE,SEARCH_COST,
*SORTIE_COST,COST(5),SEARCH(5),SC1,SC2,OTHER_COST,TOT_SEARCH
LOGICAL ERR
DATA COST/1.900,2.600,2.600,1.600,0.100/
COSTS ARE IN $K 1985
C
ERR = .FALSE.
SEARCH(1) = HH52
SEARCH(2) = HH3F
SEARCH(3) = HC130
SEARCH(4) = HH25
SEARCH(5) = OTHER
COST(5) = OTHER_COST
TOT_SEARCH = 0.0
SC1 = 0.0
SC2 = 0.0
DO 500 K=1,5
  TOT_SEARCH = TOT_SEARCH + SEARCH(K)
  SC2 = SC2 + COST(K)*SEARCH(K)
500 CONTINUE
IF (SORTIE.LT.TOT_SEARCH)ERR = .TRUE.
IF ((ERR.EQV.,FALSE.),AND.(TOT_SEARCH.GT.0.0))THEN
  DO 505 K=1,5
    SC1=SC1+COST(K)*(SORTIE-TOT_SEARCH)*(SEARCH(K)/TOT_SEARCH)
505 CONTINUE
  SEARCH_COST(1,I) = SEARCH_COST(1,I) + SC2
  SORTIE_COST(1,I) = SORTIE_COST(1,I) + SC1
  IF (DIST.EQ.1)THEN
    SEARCH_COST(2,I) = SEARCH_COST(2,I) + SC2
    SORTIE_COST(2,I) = SORTIE_COST(2,I) + SC1
  ELSE
    IF (LOCATED.EQ.1)THEN
      SORTIE_COST(3,I) = SORTIE_COST(3,I) + SC1
      SEARCH_COST(3,I) = SEARCH_COST(3,I) + SC2
    ENDIF
    IF (TYPE_DIST.EQ.2)THEN
      SEARCH_COST(4,I) = SEARCH_COST(4,I) + SC2
      SORTIE_COST(4,I) = SORTIE_COST(4,I) + SC1
    ENDIF
    IF ((TYPE_DIST.EQ.3).OR.(TYPE_DIST.EQ.4))THEN
      SEARCH_COST(5,I) = SEARCH_COST(5,I) + SC2
      SORTIE_COST(5,I) = SORTIE_COST(5,I) + SC1
    ENDIF
  ENDIF
ENDIF
C
RETURN
END
C-----
C SUBROUTINE TO ADD INDIVIDUAL CASE TOTALS TO NUM_MESSAGES
C-----
SUBROUTINE NUM_MSGS(X,Y)
C
COMMON /BLOCK11/ NUM_MESSAGES(5,5,6),MESSAGE_ANAL(4,8)
COMMON /BLOCK12/ SS,AC,RD,OTBEACON,OT
C
INTEGER NUM_MESSAGES,X,Y,SS,AC,RD,OTBEACON,OT,MESSAGE_ANAL
NUM_MESSAGES(X,Y,1) = NUM_MESSAGES(X,Y,1)+SS+AC+RD+OTBEACON+OT
NUM_MESSAGES(X,Y,2) = NUM_MESSAGES(X,Y,2)+SS
NUM_MESSAGES(X,Y,3) = NUM_MESSAGES(X,Y,3)+AC
NUM_MESSAGES(X,Y,4) = NUM_MESSAGES(X,Y,4)+RD
NUM_MESSAGES(X,Y,5) = NUM_MESSAGES(X,Y,5)+OTBEACON
NUM_MESSAGES(X,Y,6) = NUM_MESSAGES(X,Y,6)+OT
C
RETURN
END
C-----
C SUBROUTINE TO ADD INDIVIDUAL CASE TOTALS TO MESSAGE_ANAL
C-----
SUBROUTINE MSG_ANAL(X)
C
COMMON /BLOCK11/ NUM_MESSAGES(5,5,6),MESSAGE_ANAL(4,8)
COMMON /BLOCK12/ SS,AC,RD,OTBEACON,OT
C
INTEGER X,SS,AC,RD,OTBEACON,OT,NUM_MESSAGES,MESSAGE_ANAL
C

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MESSAGE_ANAL(1,X) = MESSAGE_ANAL(1,X) + 1
MESSAGE_ANAL(2,X) = MESSAGE_ANAL(2,X) + SS
MESSAGE_ANAL(3,X) = MESSAGE_ANAL(3,X) + AC + RD + OTBEACON + OT
C
RETURN
END
C-----
C SUBROUTINE TO CALCULATE TIME LINE TABLE
C-----
SUBROUTINE TIME_LIN(I)
C
COMMON /BLOCK2/ DIST,TYPE_DIST,LOCATED,LIVES_SAVED
COMMON /BLOCK10/ TOTMESS,SOURCE(20),TYPE(20),COMMENT(20)
COMMON /BLOCK11/ NUM_MESSAGES(5,5,6),MESSAGE_ANAL(4,8)
COMMON /BLOCK12/ SS,AC,RD,OTBEACON,OT
C
INTEGER I,TOTMESS,TYPE,DIST,TYPE_DIST,LOCATED,LIVES_SAVED,
*NUM_MESSAGES,MESSAGE_ANAL,SS,AC,RD,OTBEACON,OT
CHARACTER*2 SOURCE,COMMENT
LOGICAL ERR
C
SS = 0
AC = 0
RD = 0
OTBEACON = 0
OT = 0
DO 400 M=1,TOTMESS
ERR = .FALSE.
IF (SOURCE(M).EQ.'SS')THEN
SS=SS+1
ELSE
IF (SOURCE(M).EQ.'AC')THEN
AC=AC+1
ELSE
IF ((SOURCE(M).EQ.'RD').OR.((SOURCE(M).EQ.'OT').AND.
* (COMMENT(M).EQ.'RT'))))THEN
RD = RD + 1
ELSE
IF ((SOURCE(M).EQ.'FA').OR.(SOURCE(M).EQ.'AP').OR.
* ((SOURCE(M).EQ.'OT').AND.((COMMENT(M).EQ.'CA').OR.
* (COMMENT(M).EQ.'CC').OR.(COMMENT(M).EQ.'NV').OR.
* (COMMENT(M).EQ.'NA'))))THEN
OTBEACON = OTBEACON + 1
ELSE
IF ((SOURCE(M).EQ.'OT').AND.((COMMENT(M).EQ.'CS')
* .OR.(COMMENT(M).EQ.'DP').OR.(COMMENT(M).EQ.' ')
* .OR.(COMMENT(M).EQ.'OD'))))THEN
OT=OT+1
ELSE
ERR = .TRUE.
ENDIF
ENDIF
ENDIF
ENDIF
IF (ERR.EQV..TRUE.)PRINT*, 'ERROR RETR-F-TIMEL ',SOURCE(M),
* ' ',COMMENT(M)
400 CONTINUE
C
CALL NUM_MSGS(1,I)
IF (DIST.EQ.1)THEN
CALL NUM_MSGS(2,I)
CALL MSG_ANAL(1)
ELSE
IF (LOCATED.EQ.1)THEN
CALL NUM_MSGS(3,I)

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CALL MSG_ANAL(2)
IF (TYPE_DIST.EQ.1)CALL MSG_ANAL(3)
IF (TYPE_DIST.EQ.2)THEN
CALL MSG_ANAL(4)
CALL NUM_MSGS(4,I)
ENDIF
IF ((TYPE_DIST.EQ.3).OR.(TYPE_DIST.EQ.4))THEN
CALL MSG_ANAL(5)
CALL NUM_MSGS(5,I)
ENDIF
ELSE
CALL MSG_ANAL(6)
IF (TYPE_DIST.EQ.2)CALL MSG_ANAL(7)
IF ((TYPE_DIST.EQ.3).OR.(TYPE_DIST.EQ.4))CALL MSG_ANAL(8)
ENDIF
ENDIF
RETURN
END
C-----
C SUBROUTINE TO WRITE LOCATED/NON-LOCATED CASE TOTALS AND ORIGIN
C-----
SUBROUTINE WRITE_GE(STARTDATE,ENDDATE)
C
COMMON /BLOCK7/ DISPOSITION(5,5,2),ORIGIN(5,5,3)
C
INTEGER DISPOSITION,ORIGIN,M,N,O,STARTDATE,ENDDATE
C
DO 600 M=1,5
DO 605 O=1,2
DO 610 N=1,4
DISPOSITION(M,5,O)=DISPOSITION(M,5,O)+DISPOSITION(M,N,O)
610 CONTINUE
605 CONTINUE
600 CONTINUE
DO 615 M=1,5
DO 620 O=1,3
DO 625 N=1,4
ORIGIN(M,5,O) = ORIGIN(M,5,O) + ORIGIN(M,N,O)
625 CONTINUE
620 CONTINUE
615 CONTINUE
C
OPEN(UNIT=8,FILE='SAR_CASE_GENERAL',STATUS='NEW',
* ACCESS='SEQUENTIAL')
DO 650 M=1,5
IF (M.EQ.1)WRITE(8,6000)'ALL CASES '
IF (M.EQ.2)WRITE(8,6000)'DISTRESS CASES '
IF (M.EQ.3)WRITE(8,6000)'NDN-DISTRESS CASES '
IF (M.EQ.4)WRITE(8,6000)'FALSE ALARMS '
IF (M.EQ.5)WRITE(8,6000)'FALSE ALERTS/UNK '
WRITE(8,6005)STARTDATE,ENDDATE
WRITE(8,6010)
WRITE(8,6020)'
WRITE(8,6030)'DISPOSITION
WRITE(8,6100)' SECURED ',(DISPOSITION(M,N,1),N=1,5)
WRITE(8,6100)' CEASED ',(DISPOSITION(M,N,2),N=1,5)
WRITE(8,6030)'ORIGIN
WRITE(8,6100)' INLAND ',(ORIGIN(M,N,1),N=1,5)
WRITE(8,6100)' MARITIME ',(ORIGIN(M,N,2),N=1,5)
WRITE(8,6100)' OTHER ',(ORIGIN(M,N,3),N=1,5)
WRITE(8,6101)
650 CONTINUE
CLOSE(8)
C

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6000 FORMAT(15X,'TABLE FOR ',A20)
6005 FORMAT(16X,I6,' TO ',I6/)
6010 FORMAT(20X,'SARSAT SARSAT OTHER OTHER')
6020 FORMAT(A20,'ONLY FIRST ONLY FIRST TOTAL')
6030 FORMAT(A20)
6100 FORMAT(A20,I4,4X,I4,6X,I4,4X,I4,6X,I4)
6101 FORMAT(///)
C
RETURN
END
C-----
C SUBROUTINE TO WRITE DISTRESS NON-DISTRESS TABLE
C-----
SUBROUTINE WRITE_DI(STARTDATE,ENDDATE)
C
COMMON /BLOCK1/ ANAL1(15,10,5)
INTEGER ANAL1,CGD(11),STARTDATE,ENDDATE
DATA CGD/1,3,5,7,8,9,11,12,13,14,17/
C
DO 700 M=1,15
DO 710 N=1,10
DO 720 O=1,4
ANAL1(M,N,5) = ANAL1(M,N,5) + ANAL1(M,N,0)
720 CONTINUE
710 CONTINUE
700 CONTINUE
DO 730 M=1,15
DO 740 O=1,5
ANAL1(M,10,0) = ANAL1(M,1,0) + ANAL1(M,3,0) +
ANAL1(M,7,0)
740 CONTINUE
730 CONTINUE
OPEN(UNIT=8,FILE='SAR_CASE_DISTRESS',STATUS='NEW',
*ACCESS='SEQUENTIAL')
DO 760 M=1,15
IF (M.EQ.11)WRITE(8,7000)CGD(M)
IF (M.EQ.12)WRITE(8,7010)
IF (M.EQ.13)WRITE(8,7020)
IF (M.EQ.14)WRITE(8,7030)
IF (M.EQ.15)WRITE(8,7040)
WRITE(8,7045)STARTDATE,ENDDATE
WRITE(8,7050)
WRITE(8,7060)
WRITE(8,7100)'DISTRESS CASES ',(ANAL1(M,1,0),0=1,5)
WRITE(8,7100)' LIVES SAVED ',(ANAL1(M,2,0),0=1,5)
WRITE(8,7100)'NON-DISTRESS CASES ',(ANAL1(M,3,0),0=1,5)
WRITE(8,7100)' TRUE NON-DIST ',(ANAL1(M,4,0),0=1,5)
WRITE(8,7100)' FALSE ALARM ',(ANAL1(M,5,0),0=1,5)
WRITE(8,7100)' FALSE ALRT/UNK ',(ANAL1(M,6,0),0=1,5)
WRITE(8,7100)'NOT LOCATED CASES ',(ANAL1(M,7,0),0=1,5)
WRITE(8,7100)' FALSE ALARM ',(ANAL1(M,8,0),0=1,5)
WRITE(8,7100)' FALSE ALRT/UNK ',(ANAL1(M,9,0),0=1,5)
WRITE(8,7100)'TOTAL CASES ',(ANAL1(M,10,0),0=1,5)
WRITE(8,7101)
760 CONTINUE
C
7000 FORMAT('1',10X,'SAR CASE ANALYSIS FOR CG DISTRICT ',I2)
7010 FORMAT('1',10X,'SAR CASE ANALYSIS FOR ALL CG DISTRICTS')
7020 FORMAT('1',10X,'SAR CASE ANALYSIS FOR INLAND CASES')
7030 FORMAT('1',10X,'SAR CASE ANALYSIS FOR MARITIME CASES')
7040 FORMAT('1',10X,'SAR CASE ANALYSIS FOR CASES OTHER THAN I/M')
7045 FORMAT(20X,I6,' TO ',I6/)
7050 FORMAT(20X,'SARSAT SARSAT OTHER OTHER')
7060 FORMAT(20X,' ONLY FIRST ONLY FIRST TOTAL')
7100 FORMAT(A20,I4,4X,I4,6X,I4,4X,I4,6X,I4)
7101 FORMAT(///)

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7110 FORMAT(/10X,'SAR CASE ANALYSIS OF ALL COAST GUARD DISTRICTS/')
CLOSE(8)
C
RETURN
END
C-----
C SUBROUTINE TO WRITE TABLE FOR FALSE ALARMS
C-----
SUBROUTINE WRITE_FA(STARTDATE,ENDDATE)
C
COMMON /BLOCK4/ SOURCE_OF_ALARM(5,8),CS_OF_FALSE_ALR(5,7),
*LOCATION(5,19),SEARCH_RESOURCES(5,6),TOT_SORTIE(5,8)
C
INTEGER SOURCE_OF_ALARM,CS_OF_FALSE_ALR,LOCATION,N,M,N,
*STARTDATE,ENDDATE
REAL TOT_SORTIE,SEARCH_RESOURCES
C
DO 800 M=1,7
DO 805 N=1,4
SOURCE_OF_ALARM(5,M) = SOURCE_OF_ALARM(5,M) +
SOURCE_OF_ALARM(N,M)
805 CONTINUE
800 CONTINUE
DO 810 N=1,5
DO 815 M=1,7
SOURCE_OF_ALARM(N,8) = SOURCE_OF_ALARM(N,8) +
SOURCE_OF_ALARM(N,M)
815 CONTINUE
810 CONTINUE
DO 820 M=1,6
DO 825 N=1,4
CS_OF_FALSE_ALR(5,M) = CS_OF_FALSE_ALR(5,M) +
CS_OF_FALSE_ALR(N,M)
*
SEARCH_RESOURCES(5,M) = SEARCH_RESOURCES(5,M) +
SEARCH_RESOURCES(N,M)
825 CONTINUE
820 CONTINUE
DO 830 N=1,5
DO 835 M=1,6
CS_OF_FALSE_ALR(N,7) = CS_OF_FALSE_ALR(N,7) +
CS_OF_FALSE_ALR(N,M)
*
835 CONTINUE
830 CONTINUE
DO 865 N=1,5
DO 870 M=1,5
SEARCH_RESOURCES(N,6) = SEARCH_RESOURCES(N,6) +
SEARCH_RESOURCES(N,M)
870 CONTINUE
865 CONTINUE
DO 840 M=1,18
DO 845 N=1,4
LOCATION(5,M) = LOCATION(5,M) + LOCATION(N,M)
845 CONTINUE
840 CONTINUE
DO 850 N=1,5
LOCATION(N,19)=LOCATION(N,1)+LOCATION(N,9)+LOCATION(N,18)
850 CONTINUE
DO 880 M=1,7
DO 880 N=1,4
TOT_SORTIE(5,M) = TOT_SORTIE(5,M) + TOT_SORTIE(N,M)
880 CONTINUE
DO 885 N=1,5
DO 885 M=1,7
TOT_SORTIE(N,8) = TOT_SORTIE(N,8) + TOT_SORTIE(N,M)
885 CONTINUE
OPEN(UNIT=8,FILE='SAR_CASE_FALSE_ALARM',STATUS='NEW',

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*ACCESS='SEQUENTIAL'
WRITE(8,8000)'SOURCE OF ALARMS'
WRITE(8,8005)STARTDATE,ENDDATE
WRITE(8,8010)
WRITE(8,8020)
WRITE(8,8100)'ELT IN AIRCRAFT',(SOURCE_OF_ALARM(N,1),N=1,5)
WRITE(8,8100)'ELT NOT IN AIRCRAFT',(SOURCE_OF_ALARM(N,2),N=1,5)
WRITE(8,8100)'EPIRB ON VESSEL',(SOURCE_OF_ALARM(N,3),N=1,5)
WRITE(8,8100)'EPIRB NOT ON VESSEL',(SOURCE_OF_ALARM(N,4),N=1,5)
WRITE(8,8100)'XBITTER NOT ELT/EPIRB',(SOURCE_OF_ALARM(N,5),N=1,5)
WRITE(8,8100)'OTHER/UNKNOWN',(SOURCE_OF_ALARM(N,6),N=1,5)
WRITE(8,8100)'ELT OR EPIRB',(SOURCE_OF_ALARM(N,7),N=1,5)
WRITE(8,8100)'TOTAL',(SOURCE_OF_ALARM(N,8),N=1,5)
WRITE(8,8101)
WRITE(8,8000)'CAUSE OF ALARMS'
WRITE(8,8005)STARTDATE,ENDDATE
WRITE(8,8010)
WRITE(8,8020)
WRITE(8,8100)'HUMAN ERRDR',(CS_OF_FALSE_ALR(N,1),N=1,5)
WRITE(8,8100)'EQUIPMENT',(CS_OF_FALSE_ALR(N,2),N=1,5)
WRITE(8,8100)'HOAX',(CS_OF_FALSE_ALR(N,3),N=1,5)
WRITE(8,8100)'OTHER',(CS_OF_FALSE_ALR(N,4),N=1,5)
WRITE(8,8100)'UNKNOWN',(CS_OF_FALSE_ALR(N,5),N=1,5)
WRITE(8,8100)'INSTALLATION',(CS_OF_FALSE_ALR(N,6),N=1,5)
WRITE(8,8100)'TOTAL',(CS_OF_FALSE_ALR(N,7),N=1,5)
WRITE(8,8101)
WRITE(8,8000)'LOCATIONS'
WRITE(8,8005)STARTDATE,ENDDATE
WRITE(8,8010)
WRITE(8,8020)
WRITE(8,8100)'INLAND',(LOCATION(N,1),N=1,5)
WRITE(8,8100)' IN AIR',(LOCATION(N,2),N=1,5)
WRITE(8,8100)' LAND',(LOCATION(N,3),N=1,5)
WRITE(8,8100)' ISLAND',(LOCATION(N,4),N=1,5)
WRITE(8,8100)' AIRPORT',(LOCATION(N,5),N=1,5)
WRITE(8,8100)' NEAR AIRPORT',(LOCATION(N,6),N=1,5)
WRITE(8,8100)' ELT NOT IN AIRCRAFT',(LOCATION(N,7),N=1,5)
WRITE(8,8100)' UNKNOWN',(LOCATION(N,8),N=1,5)
WRITE(8,8100)'MARITIME',(LOCATION(N,9),N=1,5)
WRITE(8,8100)' OFFSHORE >20NM',(LOCATION(N,10),N=1,5)
WRITE(8,8100)' OFFSHORE <20NM',(LOCATION(N,11),N=1,5)
WRITE(8,8100)' OFFSHORE ,UNKNOWN',(LOCATION(N,12),N=1,5)
WRITE(8,8100)' HARBOR',(LOCATION(N,13),N=1,5)
WRITE(8,8100)' NEAR HARBOR',(LOCATION(N,14),N=1,5)
WRITE(8,8100)' WATERWAY',(LOCATION(N,15),N=1,5)
WRITE(8,8100)' EPIRB NOT IN VESSEL',(LOCATION(N,16),N=1,5)
WRITE(8,8100)' UNKNOWN',(LOCATION(N,17),N=1,5)
WRITE(8,8100)'UNKNOWN',(LOCATION(N,18),N=1,5)
WRITE(8,8100)'TOTAL',(LOCATION(N,19),N=1,5)
WRITE(8,8101)
WRITE(8,8000)'SEARCH RESOURCES'
WRITE(8,8005)STARTDATE,ENDDATE
WRITE(8,8010)
WRITE(8,8020)
WRITE(8,8200)'HH-52',(SEARCH_RESOURCES(N,1),N=1,5)
WRITE(8,8200)'HH-3F',(SEARCH_RESOURCES(N,2),N=1,5)
WRITE(8,8200)'HC-130',(SEARCH_RESOURCES(N,3),N=1,5)
WRITE(8,8200)'HH-52',(SEARCH_RESOURCES(N,4),N=1,5)
WRITE(8,8200)'OTHER',(SEARCH_RESOURCES(N,5),N=1,5)
WRITE(8,8200)'TOTAL',(SEARCH_RESOURCES(N,6),N=1,5)
WRITE(8,8101)
WRITE(8,8000)'SORTIE TIMES'
WRITE(8,8005)STARTDATE,ENDDATE
WRITE(8,8010)
WRITE(8,8020)
WRITE(8,8200)'HH-52',(TOT_SORTIE(N,1),N=1,5)
WRITE(8,8200)'HH-3F',(TOT_SORTIE(N,2),N=1,5)
WRITE(8,8200)'HH-52',(TOT_SORTIE(N,3),N=1,5)
WRITE(8,8200)'BOAT',(TOT_SORTIE(N,4),N=1,5)
WRITE(8,8200)'CUTTER',(TOT_SORTIE(N,5),N=1,5)
WRITE(8,8200)'OTHER',(TOT_SORTIE(N,6),N=1,5)
WRITE(8,8200)'TOTAL',(TOT_SORTIE(N,7),N=1,5)
WRITE(8,8101)
C
8000 FORMAT(15X,'FALSE ALARM ANALYSIS FOR ',A16)
8005 FORMAT(22X,I6,' TO ',I6/)
8010 FORMAT(20X,'SARSAT SARSAT OTHER OTHER')
8020 FORMAT(20X,' ONLY FIRST ONLY FIRST TOTAL')
8100 FORMAT(A20,I4,4X,I4,6X,I4,4X,I4,6X,I4)
8101 FORMAT(///)
8200 FORMAT(A20,F5.1,4X,F5.1,4X,F5.1,3X,F5.1,4X,F5.1)
CLOSE(8)
C
RETURN
END
C-----
C SUBROUTINE TO WRITE MEAN TIMES
C-----
SUBROUTINE WRITE_TI(LIFLAG,STARTDATE,ENDDATE)
C
COMMON /BLOCK6/ NOTIF_TIME(5,4),NOTIF_COUNT(5,4),
*PLAN_TIME(5,4),PLAN_COUNT(5,4),MOD_PLAN_TIME(5,4),
*MOD_PLAN_COUNT(5,4),SEARCH_TIME(5,4,6),SEARCH_COUNT(5,4,6),
*SORTIE_TIME(5,4,8),SORTIE_COUNT(5,4,8)
C
INTEGER NOTIF_COUNT,PLAN_COUNT,MOD_PLAN_COUNT,SEARCH_COUNT,
*SORTIE_COUNT,M,H,D,STARTDATE,ENDDATE,KOUNT(5,17)
REAL NOTIF_TIME,PLAN_TIME,MOD_PLAN_TIME,SEARCH_TIME,
*SORTIE_TIME,AVERAGE(5,17)
C
IF(LIFLAG.EQ.0)THEN
C PRODUCE TOTALS FOR TABLES 1-4
DO 900 M=1,4
DO 905 N=1,3
NOTIF_TIME(M,4) = NOTIF_TIME(M,4) + NOTIF_TIME(M,N)
NOTIF_COUNT(M,4) = NOTIF_COUNT(M,4) + NOTIF_COUNT(M,N)
PLAN_TIME(M,4) = PLAN_TIME(M,4) + PLAN_TIME(M,N)
PLAN_COUNT(M,4) = PLAN_COUNT(M,4) + PLAN_COUNT(M,N)
MOD_PLAN_TIME(M,4) = MOD_PLAN_TIME(M,4) + MOD_PLAN_TIME(M,N)
MOD_PLAN_COUNT(M,4) = MOD_PLAN_COUNT(M,4) + MOD_PLAN_COUNT(M,N)
905 CONTINUE
900 CONTINUE
DO 910 M=1,4
DO 915 O=1,6
DO 920 N=1,3
SEARCH_TIME(M,4,O) = SEARCH_TIME(M,4,O) + SEARCH_TIME(M,N,O)
SEARCH_COUNT(M,4,O) = SEARCH_COUNT(M,4,O) + SEARCH_COUNT(M,N,O)
920 CONTINUE
915 CONTINUE
910 CONTINUE
DO 960 M=1,4
DO 965 O=1,8
DO 970 N=1,3
SORTIE_TIME(M,4,O) = SORTIE_TIME(M,4,O) + SORTIE_TIME(M,N,O)
SORTIE_COUNT(M,4,O) = SORTIE_COUNT(M,4,O) + SORTIE_COUNT(M,N,O)
970 CONTINUE
965 CONTINUE
960 CONTINUE
END IF
C PRODUCE TABLE 5 (FALSE ALARMS AND ALERTS = TABLE 3 + TABLE 4
DO 925 M=1,4

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NOTIF_TIME(5,M) = NOTIF_TIME(3,M) + NOTIF_TIME(4,M)
NOTIF_COUNT(5,M) = NOTIF_COUNT(3,M) + NOTIF_COUNT(4,M)
PLAN_TIME(5,M) = PLAN_TIME(3,M) + PLAN_TIME(4,M)
PLAN_COUNT(5,M) = PLAN_COUNT(3,M) + PLAN_COUNT(4,M)
MOD_PLAN_TIME(5,M) = MOD_PLAN_TIME(3,M)+MOD_PLAN_TIME(4,M)
MOD_PLAN_COUNT(5,M)= MOD_PLAN_COUNT(3,M)+MOD_PLAN_COUNT(4,M)
DO 931 N=1,8
    SORTIE_TIME(5,M,N)=SORTIE_TIME(3,M,N)+SORTIE_TIME(4,M,N)
    SORTIE_COUNT(5,M,N)=SORTIE_COUNT(3,M,N)+SORTIE_COUNT(4,M,N)
931 CONTINUE
DO 930 N=1,6
    SEARCH_TIME(5,M,N)=SEARCH_TIME(3,M,N)+SEARCH_TIME(4,M,N)
    SEARCH_COUNT(5,M,N)=SEARCH_COUNT(3,M,N)+SEARCH_COUNT(4,M,N)
930 CONTINUE
925 CONTINUE
C CONVERT FROM MINUTES TO HRS
DO 935 M=1,5
    DO 940 N=1,4
        NOTIF_TIME(M,N) = NOTIF_TIME(M,N)/60
        PLAN_TIME(M,N) = PLAN_TIME(M,N)/60
        MOD_PLAN_TIME(M,N)=MOD_PLAN_TIME(M,N)/60
940 CONTINUE
935 CONTINUE
C
C PRODUCE AVERAGES
DO 941 M=1,5
    DO 941 J=1,17
        AVERAGE(M,J) = 0.
        KOUNT(M,J) = 0
941 CONTINUE
DO 946 M=1,5
    DO 944 J=1,4
        AVERAGE(M,1) = AVERAGE(M,1) + NOTIF_TIME(M,J)
        AVERAGE(M,2) = AVERAGE(M,2) + PLAN_TIME(M,J)
        AVERAGE(M,3) = AVERAGE(M,3) + MOD_PLAN_TIME(M,J)
        KOUNT(M,1) = KOUNT(M,1) + NOTIF_COUNT(M,J)
        KOUNT(M,2) = KOUNT(M,2) + PLAN_COUNT(M,J)
        KOUNT(M,3) = KOUNT(M,3) + MOD_PLAN_COUNT(M,J)
        DO 943 JJ=1,6
            AVERAGE(M, JJ+3)=AVERAGE(M, JJ+3)+SEARCH_TIME(M,J, JJ)
            KOUNT(M, JJ+3)=KOUNT(M, JJ+3)+SEARCH_COUNT(M,J, JJ)
943 CONTINUE
DO 947 JJ=1,8
    AVERAGE(M, JJ+9)=AVERAGE(M, JJ+9)+SORTIE_TIME(M,J, JJ)
    KOUNT(M, JJ+9)= KOUNT(M, JJ+9)+SORTIE_COUNT(M,J, JJ)
947 CONTINUE
944 CONTINUE
DO 945 JJ=1,17
    IF (KOUNT(M, JJ),GT.0) THEN
        AVERAGE(M, JJ)=AVERAGE(M, JJ)/FLOAT(KOUNT(M, JJ))
    ELSE
        AVERAGE(M, JJ)=0.
    ENDIF
945 CONTINUE
946 CONTINUE
C
DO 950 M=1,5
DO 950 N=1,4
IF (NOTIF_COUNT(M,N),GT.0) THEN
NOTIF_TIME(M,N)=NOTIF_TIME(M,N)/FLOAT(NOTIF_COUNT(M,N))
ELSE
NOTIF_TIME(M,N) = 0.
END IF
IF (PLAN_COUNT(M,N),GT.0) THEN
PLAN_TIME(M,N) = PLAN_TIME(M,N)/FLOAT(PLAN_COUNT(M,N))
ELSE
PLAN_TIME(M,N) = 0.
END IF
IF (MOD_PLAN_COUNT(M,N),GT.0) THEN
MOD_PLAN_TIME(M,N) = MOD_PLAN_TIME(M,N)/FLOAT(MOD_PLAN_COUNT(M,N))
ELSE
MOD_PLAN_TIME(M,N) = 0.
END IF
DO 955 J=1,8
IF (SORTIE_COUNT(M,N,J),GT.0) THEN
SORTIE_TIME(M,N,J) = SORTIE_TIME(M,N,J) /
* FLOAT(SORTIE_COUNT(M,N,J))
ELSE
SORTIE_TIME(M,N,J) = 0.
END IF
955 CONTINUE
C
OPEN(UNIT=8,FILE='SAR_CASE_TIME',STATUS='NEW',
* ACCESS='SEQUENTIAL')
DO 995 M=1,5
IF (M,EQ,1)WRITE(8,9000)'ALL CASES'
IF (M,EQ,2)WRITE(8,9000)'DISTRESS CASES'
IF (M,EQ,3)WRITE(8,9000)'NON-DISTRESS CASES'
IF (M,EQ,4)WRITE(8,9000)'NOT-LOCATED'
IF (M,EQ,5)WRITE(8,9000)'NON-DISTRESS + NOT-LOCATED'
WRITE(8,9045)STARTDATE,ENDDATE
IF (LIFLAG,EQ,0)WRITE(8,9060)
IF (LIFLAG,EQ,1)WRITE(8,9061)
WRITE(8,9010)
WRITE(8,9100)'NOTIFICATION TIME ',(NOTIF_TIME(M,N),' /',
* NOTIF_COUNT(M,N),N=1,4),AVERAGE(M,1),' /',KOUNT(M,1)
WRITE(8,9100)'PLANNING TIME ',(PLAN_TIME(M,N),' /',
* PLAN_COUNT(M,N),N=1,4),AVERAGE(M,2),' /',KOUNT(M,2)
WRITE(8,9100)'MODIFIED PLAN TIME ',(MOD_PLAN_TIME(M,N),' /',
* MOD_PLAN_COUNT(M,N),N=1,4),AVERAGE(M,3),' /',KOUNT(M,3)
WRITE(8,9020)
WRITE(8,9100)'SEARCH TIME ',(SEARCH_TIME(M,N,1),' /',
* SEARCH_COUNT(M,N,1),N=1,4),AVERAGE(M,4),' /',KOUNT(M,4)
WRITE(8,9100)' HH-52 ',(SEARCH_TIME(M,N,2),' /',
* SEARCH_COUNT(M,N,2),N=1,4),AVERAGE(M,5),' /',KOUNT(M,5)
WRITE(8,9100)' HH-3F ',(SEARCH_TIME(M,N,3),' /',
* SEARCH_COUNT(M,N,3),N=1,4),AVERAGE(M,6),' /',KOUNT(M,6)
WRITE(8,9100)' HC-130 ',(SEARCH_TIME(M,N,4),' /',
* SEARCH_COUNT(M,N,4),N=1,4),AVERAGE(M,7),' /',KOUNT(M,7)
WRITE(8,9100)' HH-25 ',(SEARCH_TIME(M,N,5),' /',
* SEARCH_COUNT(M,N,5),N=1,4),AVERAGE(M,8),' /',KOUNT(M,8)
WRITE(8,9100)' OTHER ',(SEARCH_TIME(M,N,6),' /',
* SEARCH_COUNT(M,N,6),N=1,4),AVERAGE(M,9),' /',KOUNT(M,9)
WRITE(8,9030)
WRITE(8,9100)'SORTIE TIME ',(SORTIE_TIME(M,N,1),' /',
* SORTIE_COUNT(M,N,1),N=1,4),AVERAGE(M,10),' /',KOUNT(M,10)
WRITE(8,9100)' HH-52 ',(SORTIE_TIME(M,N,2),' /',
* SORTIE_COUNT(M,N,2),N=1,4),AVERAGE(M,11),' /',KOUNT(M,11)
WRITE(8,9100)' HH-3F ',(SORTIE_TIME(M,N,3),' /',
* SORTIE_COUNT(M,N,3),N=1,4),AVERAGE(M,12),' /',KOUNT(M,12)
WRITE(8,9100)' HC-130 ',(SORTIE_TIME(M,N,4),' /',
* SORTIE_COUNT(M,N,4),N=1,4),AVERAGE(M,13),' /',KOUNT(M,13)
WRITE(8,9100)' HH-25 ',(SORTIE_TIME(M,N,5),' /',
* SORTIE_COUNT(M,N,5),N=1,4),AVERAGE(M,14),' /',KOUNT(M,14)
WRITE(8,9100)' BOAT ',(SORTIE_TIME(M,N,6),' /',

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*   SORTIE_COUNT(M,N,6),N=1,4),AVERAGE(M,15),' ',KOUNT(M,15)
WRITE(8,9100)' CUTTER      ',(SORTIE_TIME(M,N,7),' ',
*   SORTIE_COUNT(M,N,7),N=1,4),AVERAGE(M,16),' ',KOUNT(M,16)
WRITE(8,9100)' OTHER      ',(SORTIE_TIME(M,N,8),' ',
*   SORTIE_COUNT(M,N,8),N=1,4),AVERAGE(M,17),' ',KOUNT(M,17)
WRITE(8,9101)
995 CONTINUE
C
9000 FORMAT(20X,'TIME ANALYSIS FOR ',A26)
9010 FORMAT(24X,'[ AVERAGE HOURS PER CASE / NUMBER OF CASES ]')
9020 FORMAT(/24X,'[ AVERAGE HOURS PER CASE / NUMBER OF SEARCHES ]')
9030 FORMAT(/24X,'[ AVERAGE HOURS PER CASE / NUMBER OF SORTIES ]')
9045 FORMAT(25X,I6,' TO ',I6/)
9060 FORMAT(23X,'INLAND      MARITIME      OTHER      TOTAL',
* ' AVERAGE'/)
9061 FORMAT(23X,'SARSAT      SARSAT      OTHER      OTHER '//
* 23X,'ONLY      FIRST      ONLY      FIRST ',
* ' AVERAGE'/)
9100 FORMAT(A18,5(F7.1,A2,I3))
9101 FORMAT(///)
C
C   CLOSE(8)
C
C   RETURN
C   END
-----
C   SUBROUTINE TO WRITE RESOURCE COST TABLE
-----
SUBROUTINE WRITE_RE(STARTDATE,ENDDATE)
C
COMMON /BLOCK8/ SEARCH_COST(5,5),SORTIE_COST(5,5)
C
INTEGER M,N,STARTDATE,ENDDATE
REAL SEARCH_COST,SORTIE_COST,TOTAL_COST(5,5)
C
DO 518 M=1,5
DO 519 N=1,5
TOTAL_COST(M,N) = 0.0
519 CONTINUE
518 CONTINUE
DO 520 M=1,5
DO 525 N=1,4
TOTAL_COST(M,N) = SORTIE_COST(M,N) + SEARCH_COST(M,N)
525 CONTINUE
520 CONTINUE
DO 530 M=1,5
DO 535 N=1,4
SORTIE_COST(M,5) = SORTIE_COST(M,5) + SORTIE_COST(M,N)
SEARCH_COST(M,5) = SEARCH_COST(M,5) + SEARCH_COST(M,N)
TOTAL_COST(M,5) = TOTAL_COST(M,5) + TOTAL_COST(M,N)
535 CONTINUE
530 CONTINUE
C
OPEN(UNIT=8,FILE='SAR_CASE_RESOURCE_COST',STATUS='NEW')
DO 540 M=1,5
IF (M.EQ.1)WRITE(8,5000)' ALL CASES      '
IF (M.EQ.2)WRITE(8,5000)' DISTRESS CASES '
IF (M.EQ.3)WRITE(8,5000)' NON-DISTRESS CASES '
IF (M.EQ.4)WRITE(8,5000)' FALSE ALARMS '
IF (M.EQ.5)WRITE(8,5000)' FALSE ALERTS/UNK '
WRITE(8,5005)STARTDATE,ENDDATE
WRITE(8,5010)
WRITE(8,5020)
WRITE(8,5100)' SEARCH COST      ',(SEARCH_COST(M,N),N=1,5)
WRITE(8,5100)' SORTIE COST      ',(SORTIE_COST(M,N),N=1,5)
WRITE(8,5100)' TOTAL COST      ',(TOTAL_COST(M,N),N=1,5)

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WRITE(8,5101)
540 CONTINUE
C
5000 FORMAT(20X,'RESOURCE COST FOR ',A20)
5005 FORMAT(25X,I6,' TO ',I6/)
5010 FORMAT(15X,'SARSAT      SARSAT      OTHER      OTHER')
5020 FORMAT(15X,' ONLY      FIRST      ONLY      FIRST',
* ' TOTAL'/)
5100 FORMAT(A12,F9.2,2X,F9.2,3X,F9.2,2X,F9.2,3X,F9.2)
5101 FORMAT(///)
C
C   CLOSE(8)
C
C   RETURN
C   END
-----
C   SUBROUTINE TO WRITE MESSAGE ANALYSIS TABLE
-----
SUBROUTINE WRITE_TL(STARTDATE,ENDDATE)
C
COMMON /BLOCK11/ NUM_MESSAGES(5,5,6),MESSAGE_ANAL(4,8)
C
INTEGER STARTDATE,ENDDATE,NUM_MESSAGES,MESSAGE_ANAL,M,N
C
DO 405 M=1,8
MESSAGE_ANAL(4,M) = MESSAGE_ANAL(2,M) + MESSAGE_ANAL(3,M)
405 CONTINUE
DO 415 M=1,5
DO 420 N=1,6
DO 425 O=1,4
NUM_MESSAGES(M,5,N)=NUM_MESSAGES(M,5,N)+NUM_MESSAGES(M,O,N)
425 CONTINUE
420 CONTINUE
415 CONTINUE
C
OPEN(UNIT=8,FILE='SAR_CASE_MESSAGE_ANAL',STATUS='NEW')
WRITE(8,4000)
WRITE(8,4010)STARTDATE,ENDDATE
WRITE(8,4020)
WRITE(8,4030)
WRITE(8,4100)'DISTRESS CASES      ',(MESSAGE_ANAL(M,1),M=1,4)
WRITE(8,4100)'NON-DISTRESS CASES ',(MESSAGE_ANAL(M,2),M=1,4)
WRITE(8,4100)' TRUE NON-DISTRESS',(MESSAGE_ANAL(M,3),M=1,4)
WRITE(8,4100)' FALSE ALARM      ',(MESSAGE_ANAL(M,4),M=1,4)
WRITE(8,4100)' FALSE ALERT/UNK ',(MESSAGE_ANAL(M,5),M=1,4)
WRITE(8,4100)'NOT-LOCATED      ',(MESSAGE_ANAL(M,6),M=1,4)
WRITE(8,4100)' FALSE ALARM      ',(MESSAGE_ANAL(M,7),M=1,4)
WRITE(8,4100)' FALSE ALERT/UNK ',(MESSAGE_ANAL(M,8),M=1,4)
WRITE(8,4201)
DO 430 M=1,5
WRITE(8,4040)
IF (M.EQ.1)WRITE(8,4050)' ALL CASES      '
IF (M.EQ.2)WRITE(8,4050)' DISTRESS CASES '
IF (M.EQ.3)WRITE(8,4050)' NON-DISTRESS '
IF (M.EQ.4)WRITE(8,4050)' FALSE ALARM CASES '
IF (M.EQ.5)WRITE(8,4050)' FALSE ALRT/UNK CASES'
WRITE(8,4200)' NUMBER OF MESSAGES ',(NUM_MESSAGES(M,N,1),N=1,5)
WRITE(8,4200)' SARSAT ALERTS      ',(NUM_MESSAGES(M,N,2),N=1,5)
WRITE(8,4200)' AIRCRAFT ELT/EPIR ',(NUM_MESSAGES(M,N,3),N=1,5)
WRITE(8,4200)' RADIO DISTRESS ',(NUM_MESSAGES(M,N,4),N=1,5)
WRITE(8,4200)' OTHER ELT/EPIRB ',(NUM_MESSAGES(M,N,5),N=1,5)
WRITE(8,4200)' OTHER      ',(NUM_MESSAGES(M,N,6),N=1,5)
WRITE(8,4201)
430 CONTINUE
C
4000 FORMAT(20X,'SARSAT MESSAGE ANALYSIS -CASES')

```

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4010 FORMAT(25X,I6,' TO ',I6/)
4020 FORMAT(32X,'# SARSAT  # OTHER  TOTAL')
4030 FORMAT(20X,' # CASES  MESSAGES  MESSAGES  MESSAGES')
4040 FORMAT(22X,'SARSAT  SARSAT  OTHER  OTHER')
4050 FORMAT(A20,' ONLY  FIRST  ONLY  FIRST  TOTAL')
4100 FORMAT(A20,3X,I4,3(6X,I5))
4200 FORMAT(A20,1X,I5,4X,I5,5X,I5,3X,I5,4X,I5)
4201 FORMAT(//)
C
      CLOSE(8)
C
      RETURN
      END
OK,

```

```

SLIST LOCATION_ACCURACY.F77

      PROGRAM LOCATION_ACCURACY
C
C THIS PROGRAM COMPUTES THE LOCATION ACCURACY OF SARSAT
C MESSAGES BY COMPARING THE LOCATION WITHIN THE
C SAR_CASE_LOCATION FILE WITH THE LOCATIONS WITHIN
C THE AAA DATA FILE
C
      COMMON /LOC/ CGD1,SAR_CASE1,DATE1,DOS1,LOCODE,VEHCODE,
*                LAT_OCC,LON_OCC,LAT_SIG,LON_SIG
      COMMON /AAA/ LAT_AAA(150),LON_AAA(150),N
      COMMON /AVG/ MEAN_LAT,MEAN_LON,MEAN_ERR,MEAN_DIF(2),
*                STD_DEV
      COMMON /POS/ LATD_OCC,LATH_OCC,LOND_OCC,LONM_OCC,LATD_SIG,
*                LATH_SIG,LOND_SIG,LONM_SIG

      INTEGER CGD1,CGD2,SAR_CASE1,SAR_CASE2,DATE1,DOS1,
*            LATD_OCC,LOND_OCC,LATD_SIG,LOND_SIG,N,YR1

      REAL LAT_OCC,LON_OCC,LAT_SIG,LON_SIG,LAT_AAA,LON_AAA,
*        LATH_OCC,LONM_OCC,LATH_SIG,LONM_SIG,MEAN_LAT,MEAN_LON,
*        MEAN_ERR,MEAN_DIF,STD_DEV

      CHARACTER*1 LATDIR_OCC,LONDIR_OCC,LATDIR_SIG,LONDIR_SIG,
*              CGFLAG,TYPE
      CHARACTER*2 D_ND
      CHARACTER*3 LOCODE,VEHCODE
      CHARACTER*31 NOTES
C
      PRINT*, ' '
      PRINT*, 'Do you wish run for (D)istress or (N)on-distress'
      READ(1,10)TYPE
      IF (TYPE.EQ.'N') THEN
         OPEN(UNIT=8,FILE='SAR_CASE_LOC.NDIS')
         D_ND='ND'
      ELSE
         OPEN(UNIT=8,FILE='SAR_CASE_LOC.DIS')
         D_ND='D'
      ENDIF
      OPEN(UNIT=9,FILE='LOC_ACC_ERRORS',STATUS='NEW')
      OPEN(UNIT=10,FILE='AAA.DATA')
      OPEN(UNIT=11,FILE='LOCATION_ACCURACY.OUT',STATUS='NEW')
100  READ(8,1000,END=190,ERR=185)CGD1,CGFLAG,SAR_CASE1,DATE1,
*   LATD_OCC,LATH_OCC,LATDIR_OCC,LOND_OCC,LONM_OCC,
*   LONDIR_OCC,LATD_SIG,LATH_SIG,LATDIR_SIG,LOND_SIG,
*   LONM_SIG,LONDIR_SIG,DOS1,NOTES,LOCODE,VEHCODE
C
      PRINT*,CGD1,SAR_CASE1,DATE1

      YR1 = MOD(DATE1,100)
      CALL DD_CONVERT(LAT_OCC,LATD_OCC,LATH_OCC)
      CALL DD_CONVERT(LON_OCC,LOND_OCC,LONM_OCC)
      CALL ID_CONVERT(LAT_SIG,LATD_SIG,LATH_SIG)
      CALL DD_CONVERT(LON_SIG,LOND_SIG,LONM_SIG)

      CALL READ_AAA(CGD1,SAR_CASE1,YR1)

      CALL CALC_ERR(LAT_OCC,LON_OCC,LAT_SIG,LON_SIG)

      IF (N.GT.0)CALL WRITE_CAL(D_ND,N)

      GO TO 100

```

```

10  FORMAT(A1)
1000 FORMAT(I2:A,I5:1X,I6:2(1X,I2:1X,F4.1:A,1X,I3:1X,F4.1:A),
*      1X,I3:1X,A31:A3,1X,A3)
1100 FORMAT(I2:A,I5:1X,I6:' FORMAT ERROR')

```

```

185  WRITE(9,1100)CGD1,CGFLAG,SAR_CASE1,DATE1
      PRINT*, 'FORMAT ERROR',CGD1,SAR_CASE1
      GO TO 100

```

```

190  CLOSE(8)
      CLOSE(9)
      CLOSE(10)
      CLOSE(11)

```

```

C
      STOP
      END

```

```

C-----
C  SUBROUTINE TO CONVERT (DD MM.M) TO (DD.DDD)
C-----

```

```

      SUBROUTINE DD_CONVERT(D2,D1,M)

```

```

      INTEGER D1
      REAL D2,M
C
      IF (M.GT.0)THEN
          D2 = D1 + M/60.0
      ELSE
          D2 = FLOAT(D1)
      ENDIF

```

```

C
      RETURN
      END

```

```

C-----
C  SUBROUTINE TO CONVERT (DD.DDD) TO (DD MM.M)
C-----

```

```

      SUBROUTINE DH_CONVERT(D1,M,D2)

```

```

      INTEGER D1
      REAL D2,M
C
      D1 = AINT(D2)
      M = MOD(D2,1)*60.0
C
      RETURN
      END

```

```

C-----
C  SUBROUTINE TO READ AAA DATA FILE
C-----

```

```

      SUBROUTINE READ_AAA(CGD1,SAR_CASE1,YR1)

```

```

      COMMON /AAA/ LAT_AAA(150),LON_AAA(150),N
C
      INTEGER CGD2,SAR_CASE2,YR2,AUTODIN,THCC1,THCC2,LUT,TCA1,TCA2,
*      TPC1,TPC2,ALATD_AAA,ALOND_AAA,BLATD_AAA,BLOND_AAA,
*      SITE_MESS1,SITE_MESS2,CGD1,SAR_CASE1,N,YR1
      REAL ALATH_AAA,ALONM_AAA,BLATH_AAA,BLONM_AAA,LAT_AAA,LON_AAA,
*      ALAT,ALON,BLAT,BLON

```

```

      CHARACTER DIC(132)
      CHARACTER DTG_IND*1,DUM*20,SAT*3,SRR1*6,SRR2*6,SITE1*8,SITE2*8
      CHARACTER*1 SH1,SH2,SH3,POS_FLAG

```

```

      LOGICAL FOUND

```

```

C
      DO 20 N=1,150
          LAT_AAA(N)=0
          LON_AAA(N)=0
20  CONTINUE

```

```

      N = 0
      FOUND = .FALSE.

```

```

200  READ(10,2100,END=295) (DIC(I),I=1,132)
2100 FORMAT(132A1)

```

```

      DECODE (132,2200,DIC,ERR=290) CGD2,YR2,SAR_CASE2,DTG_IND,DUM,
*      AUTODIN,THCC1,SH1,THCC2,SAT,LUT,TCA1,SH2,TCA2,TPC1,SH3,
*      TPC2,ALATD_AAA,ALATH_AAA,ALOND_AAA,ALONM_AAA,SRR1,
*      BLATD_AAA,BLATH_AAA,BLOND_AAA,BLONM_AAA,SRR2,
*      SITE_MESS1,SITE1,SITE_MESS2,SITE2
2200 FORMAT(I2,I2,I5,A1,A20,I7,I3,A1,I4,A3,I2,I3,A1,I4,I3,A1,I4,
*      I2,F5.1,I3,F5.1,A6,2X,I2,F5.1,I3,F5.1,A6,2X,I2,A8,
*      I2,A8)

```

```

C
      PRINT*, ' ',CGD2,YR2,SAR_CASE2
      IF ((CGD1.EQ.CGD2).AND.(SAR_CASE1.EQ.SAR_CASE2)) THEN

```

```

          FOUND = .TRUE.

```

```

          N = N + 1

```

```

          CALL DD_CONVERT(ALAT,ALATD_AAA,ALATH_AAA)
          CALL DD_CONVERT(ALON,ALOND_AAA,ALONM_AAA)
          CALL DD_CONVERT(BLAT,BLATD_AAA,BLATH_AAA)
          CALL DD_CONVERT(BLON,BLOND_AAA,BLONM_AAA)

```

```

          CALL DETER_POS(POS_FLAG,SRR1,ALAT,ALON,SRR2,BLAT,BLON)

```

```

          IF (POS_FLAG.EQ.'A')THEN

```

```

              LAT_AAA(N) = ALAT
              LON_AAA(N) = ALON

```

```

          ELSE

```

```

              IF (POS_FLAG.EQ.'B')THEN
                  LAT_AAA(N) = BLAT
                  LON_AAA(N) = BLON

```

```

              ELSE
                  PRINT*, 'NO POSITION FLAG',CGD2,SAR_CASE2,AUTODIN
                  N = N - 1

```

```

              ENDIF

```

```

          ENDIF

```

```

          GO TO 200

```

```

      ELSE

```

```

          IF (FOUND.EQV..TRUE.) THEN
              BACKSPACE(10)
              PRINT*, 'FOUND'
              RETURN

```

```

          ELSE

```

```

              IF (YR1.GT.YR2) THEN
                  GO TO 200

```

```

              ELSE

```

```

                  IF (CGD1.GE.CGD2) THEN

```

```

*      IF ((CGD1.GT.CGD2).OR.(SAR_CASE1.GT.SAR_CASE2))
      THEN
        WRITE(9,2100)(DIC(I),I=1,132)
        GO TO 200
      ELSE
        BACKSPACE(10)
        RETURN
      ENDIF
    ELSE
      BACKSPACE(10)
      RETURN
    ENDIF
  ENDF
ENDIF
ENDIF

290 WRITE(9,2100)(DIC(I),I=1,132)
    N = 0

    GO TO 200
C
295 RETURN
    END
C-----
C SUBROUTINE TO DETERMINE WHETHER TRUE POSITION IN AAA FILE IS 'A' OR 'B'
C-----

SUBROUTINE DETER_POS(FLAG,SRR1,ALAT,ALON,SRR2,BLAT,BLON)

COMMON /LOC/ CGD1,SAR_CASE_1,DUM1,DUM2,DUM3,DUM4,LAT_OCC,
*          LON_OCC,LAT_SIG,LON_SIG

INTEGER CGD1,SAR_CASE1,DUM1,DUM2,ISRR1,ISRR2

REAL LAT_OCC,LON_OCC,LAT_SIG,LON_SIG,LAT_LOC,LON_LOC,
*     ALAT,ALON,BLAT,BLON

CHARACTER FLAG*1,DUM3*3,DUM4*3,SRR1*6,SRR2*6

LOGICAL LOC

CALL DISTRICT(SRR1,ISRR1)
CALL DISTRICT(SRR2,ISRR2)

FLAG = 'C'
LOC = .TRUE.

IF (ISRR1.NE.ISRR2) THEN

  IF (ISRR1.EQ.CGD1) THEN
    FLAG = 'A'
  ELSE
    IF (ISRR2.EQ.CGD1) FLAG = 'B'
  ENDIF

ELSE

  IF ((LAT_SIG.GT.0.0).AND.(LON_SIG.GT.0.0)) THEN
    LAT_LOC = LAT_SIG
    LON_LOC = LON_SIG
  ELSE
    IF ((LAT_OCC.GT.0.0).AND.(LON_OCC.GT.0.0)) THEN
      LAT_LOC = LAT_OCC
      LON_LOC = LON_OCC
    
```

```

      ELSE
        LOC = .FALSE.
      ENDIF
    ENDIF

    IF (LOC.EQV.TRUE) THEN

      A = (LAT_LOC - ALAT)**2 + (LON_LOC - ALON)**2
      B = (LAT_LOC - BLAT)**2 + (LON_LOC - BLON)**2

      IF (A.LE.B) THEN
        FLAG = 'A'
      ELSE
        IF (A.GT.B) FLAG = 'B'
      ENDIF

    ENDIF

  ENDF
ENDIF

C
RETURN
END
C-----
C SUBROUTINE TO DETERMINE RCC NUMBER
C-----

SUBROUTINE DISTRICT(RCC,CGD)

INTEGER CGD

CHARACTER RCC*6

C
CGD = 0

IF (RCC.EQ.'CGD1 ') CGD = 1
IF (RCC.EQ.'CGD3 ') CGD = 3
IF (RCC.EQ.'CGD5 ') CGD = 5
IF (RCC.EQ.'CGD7 ') CGD = 7
IF (RCC.EQ.'CGD8 ') CGD = 8
IF (RCC.EQ.'CGD11 ') CGD = 11
IF (RCC.EQ.'CGD12 ') CGD = 12
IF (RCC.EQ.'CGD13 ') CGD = 13
IF (RCC.EQ.'CGD14 ') CGD = 14
IF ((RCC.EQ.'CGD17 ') .OR. (RCC.EQ.'CGD17A') .OR.
*   (RCC.EQ.'CGD17J') .OR. (RCC.EQ.'CGD17K')) CGD = 17

C
RETURN
END
C-----
C SUBROUTINE TO CALCULATE MEAN POSITION ERROR AND MEAN DIFFERENCE
C-----

SUBROUTINE CALC_ERR (LAT1,LON1,LAT2,LON2)

COMMON /AAA/ LAT_AAA(150),LON_AAA(150),N
COMMON /AVG/ MEAN_LAT,MEAN_LON,MEAN_ERR,MEAN_DIF(2),
*           STD_DEV

INTEGER I,H,X

REAL LAT_LOC(2),LON_LOC(2),LAT_AAA,LON_AAA,MEAN_LAT,MEAN_LON,
*   MEAN_ERR,MEAN_DIF,STD_DEV,TEMP1,TEMP2,TEMP3,LAT1,LON1,
*   LAT2,LON2,SUHLAT,SUHLON,PI

C
```



```

PI = 3.1415927

SUMLAT = 0.0
SUMLON = 0.0

MEAN_LAT = 0.0
MEAN_LON = 0.0

DO 330 X=1,2
  MEAN_DIF(X) = 0.0
330 CONTINUE

LAT_LOC(1) = LAT1
LON_LOC(1) = LON1
LAT_LOC(2) = LAT2
LON_LOC(2) = LON2

IF (N.GT.0) THEN

  DO 300 I=1,N
    SUMLAT = SUMLAT + LAT_AAA(I)
    SUMLON = SUMLON + LON_AAA(I)
300 CONTINUE

  MEAN_LAT = SUMLAT / N
  MEAN_LON = SUMLON / N

ENDIF

S2 = 0.0
TEMP1 = 0.0
TEMP2 = 0.0
TEMP3 = 0.0

MEAN_ERR = 0.0
STD_DEV = 0.0

IF (N.GT.0) THEN

  DO 320 I=1,N
    TEMP1 = (LAT_AAA(I)-MEAN_LAT)**2 +
    * (LON_AAA(I)-MEAN_LON)**2 *
    * COS(MEAN_LAT*PI/180)**2
    TEMP2 = TEMP2 + TEMP1
    TEMP3 = TEMP3 + SQRT(TEMP1)
320 CONTINUE

  S2 = 60.0 / N * TEMP2

  MEAN_ERR = 60.0 / N * TEMP3

  STD_DEV = SQRT(MEAN_ERR**2 - S2)

  DO 310 X=1,2
    IF ((LAT_LOC(X).GT.0.0).AND.(LON_LOC(X).GT.0.0)) THEN
      MEAN_DIF(X) = 60.0*SQRT((MEAN_LAT-LAT_LOC(X))**2 +
      * (MEAN_LON-LON_LOC(X))**2 *
      * COS(MEAN_LAT*PI/180)**2)
    ENDIF
310 CONTINUE

ENDIF

C
RETURN
END

C-----
C SUBROUTINE TO WRITE CALC_ERR RESULTS
C-----

SUBROUTINE WRITE_CA(D,ND,N)
COMMON /LOC/ CGD1,SAR_CASE1,DATE1,DOS1,LOCODE,VEHCODE,
* LAT_OCC,LON_OCC,LAT_SIG,LON_SIG
COMMON /AVG/ MEAN_LAT,MEAN_LON,MEAN_ERR,MEAN_DIF(2),
* STD_DEV
COMMON /POS/ LATD_OCC,LATH_OCC,LOND_OCC,LONH_OCC,LATD_SIG,
* LATH_SIG,LOND_SIG,LONH_SIG

INTEGER CGD1,SAR_CASE1,DATE1,DOS1,LATD_OCC,LOND_OCC,
* LATD_SIG,LOND_SIG,I,MEAN_LATD,MEAN_LOND,N

REAL LATH_OCC,LONH_OCC,LATH_SIG,LONH_SIG,MEAN_LAT,MEAN_LON,
* MEAN_ERR,MEAN_DIF,STD_DEV,MEAN_LATH,MEAN_LONH

CHARACTER D,ND*2,LOCODE*3,VEHCODE*3

CALL DM_CONVERT(MEAN_LATD,MEAN_LATH,MEAN_LAT)
CALL DM_CONVERT(MEAN_LOND,MEAN_LONH,MEAN_LON)

WRITE(11,400)
WRITE(11,401)
WRITE(11,405)CGD1,SAR_CASE1,DATE1,D,ND,DOS1,LOCODE,VEHCODE
WRITE(11,410)N
WRITE(11,415)MEAN_LATD,MEAN_LATH,MEAN_LOND,MEAN_LONH
WRITE(11,420)'MEAN ERR :',MEAN_ERR
WRITE(11,420)'STD DEV :',STD_DEV

DO 500 I=1,2

  WRITE(11,440)
  IF (I.EQ.1) THEN
    WRITE(11,425)'OCCURED'
    WRITE(11,426)
    WRITE(11,430)LATD_OCC,LATH_OCC,LOND_OCC,LONH_OCC
  ENDIF
  IF (I.EQ.2) THEN
    WRITE(11,425)'SITED '
    WRITE(11,426)
    WRITE(11,430)LATD_SIG,LATH_SIG,LOND_SIG,LONH_SIG
  ENDIF
  WRITE(11,435)'MEAN DIF :',MEAN_DIF(I)

500 CONTINUE
400 FORMAT(///'DISTRICT CASE DATE D/ND D.O.S.',
* ' LOCATION VEHICLE')
401 FORMAT('-----' /)
* '-----' /)
405 FORMAT(3X,I2,5X,I5,4X,I6,6X,A2,7X,I3,8X,A3,9X,A3/)
410 FORMAT(15X,'MESSAGES :',I4)
425 FORMAT(25X,A7)
426 FORMAT(25X,'-----' /)
430 FORMAT(15X,'LOCATION :',I4,F5.1,'N LAT. ',I3,F5.1,
* 'W LON. ')
415 FORMAT(15X,'MEAN :',I4,F5.1,'N LAT. ',I3,F5.1,'W LON. ')
420 FORMAT(15X,A10,F7.2,' N.M.I. ')

```

435 FORMAT(15X,A10,F7.2,' N.MI.')

440 FORMAT(/)

C

RETURN
END

OK,

SLIST SAR_CASE_ALRTHSS

DST	CASE	DATE	FREQ	MG	RECIEVED	SO	TY	COMMENTS	DSTCASEDATE	-FOR SORTING
1	93	100983	1000	4	10082258	SS	1		1	93100983
					10082313	AC	1		1	93100983
					10082315	SS	1		1	93100983
					10090140	SS	1		1	93100983
1	96	101083	1000	2	10100002	SS	2		1	96101083
					10100539	SS	2		1	96101083
1	276	102783	0100	1	10271329	SS	3		1	276102783
1	323	92483	1000	5	9241206	SS	3		1	323 92483
					9241220	AC	3		1	323 92483
					9241326	SS	3		1	323 92483
					9241425	SS	3		1	323 92483
					9241748	SS	3		1	323 92483
1	335	110183	1000	2	11012257	AC	1		1	335110183
					11012300	AC	1		1	335110183
1	460	112183	1000	2	11210715	SS	2		1	460112183
					11210715	SS	2		1	460112183
1	461	112183	1000	4	11211916	SS	1		1	461112183
					11211920	AC	1		1	461112183
					11212353	SS	1		1	461112183
					11220007	SS	1		1	461112183
1	538	123083	0100	2	12302130	SS	3		1	538123083
					12302336	SS	3		1	538123083
1	582	121283	1100	3	12120959	SS	3		1	582121283
					12121041	AC	3		1	582121283
					12121151	SS	3		1	582121283
1	782	20483	1000	3	2040528	AC	1		1	782 20483
					2040550	AC	1		1	782 20483
					2040555	SS	1		1	782 20483
1	795	20983	0100	1	2091310	AP	1		1	795 20983
1	837	22683	1100	3	2252228	AP	2		1	837 22683
					2252236	AP	2		1	837 22683
					2260137	SS	2		1	837 22683
1	857	30483	1000	3	3031651	OT	0	RT SUBJ VSL CALL	1	857 30483
					3041232	SS	2		1	857 30483
					3041316	SS	2		1	857 30483
1	892	31683	1000	3	3160050	AC	3		1	892 31683
					3160053	AC	3		1	892 31683
					3160055	SS	3		1	892 31683
1	898	31683	1000	1	3161145	SS	3		1	898 31683
1	932	32683	1100	3	3261513	AC	3		1	932 32683
					3262121	SS	3		1	932 32683
					3262215	SS	3		1	932 32683
1	934	32783	1000	1	3270215	AC	1		1	934 32783
1	963	40183	1000	1	4012324	SS	3		1	963 40183
1	1059	42483	1000	3	4242126	SS	3		1	1059 42483
					4250005	AC	3		1	1059 42483
					4250015	AC	3		1	1059 42483
1	1129	50283	1100	2	5021752	SS	1		1	1129 50283
					5021834	SS	1		1	1129 50283
1	1217	51083	1000	1	5101418	AC	2		1	1217 51083
1	1287	51883	1000	1	5181137	AC	2		1	1287 51883
1	1524	60483	1000	7	6040118	SS	1		1	1524 60483
					6040302	AC	1		1	1524 60483
					6040305	SS	1		1	1524 60483
					6040633	SS	1		1	1524 60483
					6040816	SS	1		1	1524 60483
					6041337	SS	1		1	1524 60483
					6041503	SS	1		1	1524 60483
1	1547	60583	1000	7	6050718	SS	2		1	1547 60583
					6051122	SS	2		1	1547 60583
					6051149	SS	2		1	1547 60583

				6051412 SS 2					1 1547 60583	1 9058 22283 1000 5	2220240 SS 2	1 9058 22283
				6051442 SS 2					1 1547 60583		2221148 SS 2	1 9058 22283
				6051443 SS 2					1 1547 60583		2221344 SS 2	1 9058 22283
				6051445 SS 2					1 1547 60583		2221350 SS 2	1 9058 22283
1763	61483	1000	1	6140625 SS 1	NO CASE NUMBER				1 1763 61483		2221353 SS 2	1 9058 22283
1813	61783	1000	1	6170555 SS 3					1 1813 61783	1 9070 31083 1100 6	3090112 AC 2	1 9070 31083
1816	61783	1000	4	6170547 SS 3					1 1816 61783		3091221 SS 2	1 9070 31083
				6170619 SS 3					1 1816 61783		3091748 AC 2	1 9070 31083
				6170825 SS 3					1 1816 61783		3100450 SS 2	1 9070 31083
				6171156 SS 3					1 1816 61783		3102241 SS 2	1 9070 31083
1953	62183	1000	14	6211952 SS 2					1 1953 62183		3102354 SS 2	1 9070 31083
				6212328 SS 2					1 1953 62183	3 9 102783 1000 8	10270212 AC 2	3 9102783
				6212355 SS 2					1 1953 62183		10270216 AC 2	3 9102783
				6212357 SS 2					1 1953 62183		10270232 SS 2	3 9102783
				6220116 SS 2					1 1953 62183		10270250 SS 2	3 9102783
				6220441 SS 2					1 1953 62183		10270350 AC 2	3 9102783
				6220618 SS 2					1 1953 62183		10270415 SS 2	3 9102783
				6220656 SS 2					1 1953 62183		10270448 SS 2	3 9102783
				6221153 SS 2					1 1953 62183		10270726 SS 2	3 9102783
				6221331 SS 2					1 1953 62183	3 11 102783 1100 11	10261951 AC 2	3 11102783
				6221813 SS 2					1 1953 62183		10262111 SS 2	3 11102783
				6222211 SS 2					1 1953 62183		10262305 AC 2	3 11102783
				6230010 SS 2					1 1953 62183		10270000 SS 2	3 11102783
				6230507 SS 2					1 1953 62183		10270032 SS 2	3 11102783
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7	7062	61283	1100	1	6120000 AC 2	FALSE TIME			7 7062 61283						9021622 AC 3	710069 90283
7	7475	62183	1000	3	6211613 AC 3				7 7475 62183						9021907 AC 3	710069 90283
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7	7506	62483	1000	1	6240000 AC 2	FALSE TIME			7 7506 62483	7	10340	90883	1000	1	9081450 AP 3	710340 90883
7	7542	62583	1000	4	6250159 SS 2				7 7542 62583	7	10347	90983	1100	7	9081413 SS 3	710347 90983
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7	8176	70883	1000	4	7082109 AC 3				7 8176 70883						9082225 SS 3	710347 90983
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7	10492	90483	0100	1			710492 90483	8	34	112183	1000	1	11201552 SS 3	8	34112183
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			9250128 SS 3				710781 92683		11092120 SS 2		8	42110983			
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				8140519 SS 1		17	210	81484					4041923 SS 1		17	373	40484	
				8140521 SS 1		17	210	81484		17	376	40884	1000	3	4080151 AC 3	17	376	40884
				8140532 SS 1		17	210	81484					4080222 SS 3		17	376	40884	
				8140540 SS 1		17	210	81484					4080349 SS 3		17	376	40884	
				8140543 SS 1		17	210	81484					4080151 AC 3		17	382	40884	
				8140546 SS 1		17	210	81484		17	382	40884	1000	3	4080222 SS 3	17	382	40884
				8140552 SS 1		17	210	81484					4080349 SS 3		17	382	40884	
17	214	121884	1000	3	12181111 SS 2	17	214121884		17	470	51784	1000	5	5171511 SS 1	17	470	51784	
					12190115 OT 2 CS	17	214121884						5171654 SS 1		17	470	51784	
					12191901 SS 2	17	214121884						5171852 SS 1		17	470	51784	
17	238	12284	1000	15	1221647 RD 0 OPER CALL	17	238 12284						5171952 SS 1		17	470	51784	
					1221825 SS 2	17	238 12284						5172109 SS 1		17	470	51784	
					1221829 SS 2	17	238 12284		17	572	53084	1000	3	5291911 SS 3	17	572	53084	
					1221932 SS 2	17	238 12284						5300210 SS 3		17	572	53084	
					1221942 SS 2	17	238 12284						5300213 SS 3		17	572	53084	
					1222258 SS 2	17	238 12284		17	643	62384	1000	7	6220411 SS 2	17	643	62384	
					1230008 SS 2	17	238 12284						6220907 SS 2		17	643	62384	
					1230014 SS 2	17	238 12284						6220951 SS 2		17	643	62384	
					1230052 SS 2	17	238 12284						6220957 SS 2		17	643	62384	
					1230058 SS 2	17	238 12284						6221047 SS 2		17	643	62384	
					1230148 SS 2	17	238 12284						6221131 SS 2		17	643	62384	
					1230236 SS 2	17	238 12284						6222052 SS 2		17	643	62384	
					1230327 SS 2	17	238 12284		17	646	62384	1000	14	6230641 SS 1	17	646	62384	
					1230328 SS 2	17	238 12284						6230642 SS 1		17	646	62384	
					1230410 SS 2	17	238 12284						6230741 SS 1		17	646	62384	
17	256	90984	1000	4	9091543 SS 1	17	256 90984						6230809 SS 1		17	646	62384	
					9091549 SS 1	17	256 90984						6230929 SS 1		17	646	62384	
					9091600 SS 1	17	256 90984						6230932 SS 1		17	646	62384	
					9091606 SS 1	17	256 90984						6231114 SS 1		17	646	62384	
17	261	91084	1000	9	9100602 SS 1	17	261 91084						6231115 SS 1		17	646	62384	
					9100703 SS 1	17	261 91084						6231344 SS 1		17	646	62384	
					9100737 SS 1	17	261 91084						6231531 SS 1		17	646	62384	
					9100749 SS 1	17	261 91084						6231659 SS 1		17	646	62384	
					9100811 SS 1	17	261 91084						6231827 SS 1		17	646	62384	
					9100813 SS 1	17	261 91084						6232032 SS 1		17	646	62384	
					9100901 SS 1	17	261 91084						6232033 SS 1		17	646	62384	
					9100907 SS 1	17	261 91084		17	675	63084	1000	6	6300439 SS 2	17	675	63084	
					9101315 SS 1	17	261 91084						6300521 SS 2		17	675	63084	
17	341	32184	1000	19	3200657 SS 1	17	341 32184						6300557 SS 2		17	675	63084	
					3201031 SS 1	17	341 32184						6300815 AC 2		17	675	63084	
					3201037 SS 1	17	341 32184						6300915 SS 2		17	675	63084	
					3201540 SS 1	17	341 32184						6301400 SS 2		17	675	63084	
					3201927 SS 1	17	341 32184		17	738	71284	1000	4	7120256 SS 1	17	738	71284	
					3202247 SS 1	17	341 32184						7120335 AC 1		17	738	71284	
					3210036 SS 1	17	341 32184						7120642 SS 1		17	738	71284	
					3210050 SS 1	17	341 32184						7121347 SS 1		17	738	71284	
					3210100 SS 1	17	341 32184		17	770	71984	1000	15	7191925 AC 1	17	770	71984	
					3210122 SS 1	17	341 32184						7191934 OT 1 CA		17	770	71984	
					3210130 SS 1	17	341 32184						7192346 SS 1		17	770	71984	
					3210138 SS 1	17	341 32184						7200123 SS 1		17	770	71984	
					3210239 SS 1	17	341 32184						7200124 SS 1		17	770	71984	
					3210247 SS 1	17	341 32184						7200314 SS 1		17	770	71984	
					3210301 SS 1	17	341 32184						7200315 SS 1		17	770	71984	
					3210336 SS 1	17	341 32184						7200554 SS 1		17	770	71984	
					3210400 AC 1	17	341 32184						7200556 SS 1		17	770	71984	
					3210406 SS 1	17	341 32184						7200558 SS 1		17	770	71984	
					3210412 SS 1	17	341 32184						7201037 SS 1		17	770	71984	
17	373	40484	1000	10	4040401 SS 1	17	373 40484						7201215 SS 1		17	770	71984	
					4041236 SS 1	17	373 40484						7201216 SS 1		17	770	71984	
					4041240 SS 1	17	373 40484						7201401 SS 1		17	770	71984	
					4041241 SS 1	17	373 40484						7201402 SS 1		17	770	71984	
					4041242 SS 1	17	373 40484		17	803	72584	1000	1	7252107 SS 1	17	803	72584	

17	808	72684	1000	8	7260348 SS 1	17	808	72684				1102056 SS 1	7	2428	11185		
					7260351 SS 1	17	808	72684	7	2765	12985	1000	5	1280258 SS 1	7	2765	12985
					7260947 SS 1	17	808	72684						1282352 SS 1	7	2765	12985
					7261135 SS 1	17	808	72684						1290111 SS 1	7	2765	12985
					7261320 SS 1	17	808	72684						1290415 SS 1	7	2765	12985
					7261321 SS 1	17	808	72684						1290604 SS 1	7	2765	12985
					7261746 SS 1	17	808	72684						1020252 SS 1	8	275	10285
					7261930 SS 1	17	808	72684						1020310 SS 1	8	275	10285
17	810	72784	1000	11	7270109 SS 1	17	808	72684	8	275	10285	1000	20	1020546 SS 1	8	275	10285
					7270110 SS 1	17	810	72784						1020619 SS 1	8	275	10285
					7270310 SS 1	17	810	72784						1020833 SS 1	8	275	10285
					7270415 SS 1	17	810	72784						1020902 SS 1	8	275	10285
					7270629 SS 1	17	810	72784						1020908 SS 1	8	275	10285
					7270816 SS 1	17	810	72784						1020943 SS 1	8	275	10285
					7270817 SS 1	17	810	72784						1020953 SS 1	8	275	10285
					7271206 SS 1	17	810	72784						1021345 SS 1	8	275	10285
					7271352 SS 1	17	810	72784						1021405 SS 1	8	275	10285
					7271839 SS 1	17	810	72784						1021431 SS 1	8	275	10285
					7272013 SS 1	17	810	72784						1021443 SS 1	8	275	10285
17	917	81284	1000	4	8120727 SS 1	17	917	81284						1021509 SS 1	8	275	10285
					8121053 SS 1	17	917	81284						1021819 SS 1	8	275	10285
					8121059 SS 1	17	917	81284						1021827 SS 1	8	275	10285
					8121235 OT 4 OD	17	917	81284						1021837 SS 1	8	275	10285
17	936	81584	1000	3	8142159 SS 1	17	936	81584						1021849 SS 1	8	275	10285
					8150100 SS 1	17	936	81584						1021859 SS 1	8	275	10285
					8150103 SS 1	17	936	81584						1021907 SS 1	8	275	10285
17	956	81884	1000	3	8180657 SS 1	17	956	81884	8	314	11885	1000	2	1181258 SS 1	8	314	11885
					8181715 SS 1	17	956	81884						1181906 SS 1	8	314	11885
					8181742 SS 1	17	956	81884	8	319	11985	1000	9	1181838 SS 1	8	319	11985
17	974	82184	0000	6	8202121 SS 1	17	974	82184						1182013 SS 1	8	319	11985
					8202152 AC 1	17	974	82184						1190035 SS 1	8	319	11985
					8202310 SS 1	17	974	82184						1190214 SS 1	8	319	11985
					8210057 AC 1	17	974	82184						1190353 SS 1	8	319	11985
					8210224 SS 1	17	974	82184						1190507 SS 1	8	319	11985
					8210424 AC 1	17	974	82184						1190732 SS 1	8	319	11985
17	1013	82584	1000	3	8250414 SS 2	17	1013	82584						1201341 SS 1	8	319	11985
					8251009 SS 2	17	1013	82584						1201515 SS 1	8	319	11985
					8251310 SS 2	17	1013	82584	9	188	11985	1000	3	1190342 SS 1	9	188	11985
17	1021	82684	1000	11	8260301 SS 1	17	1021	82684						1190342 SS 1	9	188	11985
					8260313 SS 1	17	1021	82684						1190430 SS 1	9	188	11985
					8260345 SS 1	17	1021	82684	12	115	10985	1000	3	1090307 SS 1	12	115	10985
					8261228 SS 1	17	1021	82684						1090606 SS 1	12	115	10985
					8261318 SS 1	17	1021	82684						1090900 SS 1	12	115	10985
					8261318 SS 1	17	1021	82684	13	51	11785	1000	10	1180406 AC 2	13	51	11785
					8261321 SS 1	17	1021	82684						1180411 SS 2	13	51	11785
					8261454 SS 1	17	1021	82684						1180424 AC 2	13	51	11785
					8261620 AC 1	17	1021	82684						1180508 SS 2	13	51	11785
					8261633 SS 0	17	1021	82684						1180604 AC 2	13	51	11785
					8261642 SS 1	17	1021	82684						1180634 SS 2	13	51	11785
17	1039	82884	0000	3	8282028 SS 1	17	1039	82884						1180634 SS 2	13	51	11785
					8290019 SS 1	17	1039	82884						1180816 AC 2	13	51	11785
					8290128 SS 1	17	1039	82884						1180818 AC 2	13	51	11785
5	143	12585	1000	7	1250543 SS 1	5	143	12585						1180820 SS 2	13	51	11785
					1250936 SS 1	5	143	12585	14	180	11185	1000	2	1110557 SS 1	14	180	11185
					1251106 SS 1	5	143	12585						1111152 SS 1	14	180	11185
					1251702 SS 1	5	143	12585	14	222	12485	1100	4	1242140 FA 2	14	222	12485
					1251702 SS 1	5	143	12585						1242148 AC 2	14	222	12485
					1251904 SS 1	5	143	12585						1242150 AC 2	14	222	12485
					1260429 SS 1	5	143	12585						1242308 SS 2	14	222	12485
7	2395	10985	1000	2	1090113 SS 1	7	2395	10985	14	223	12585	1000	2	1251523 AC 1	14	223	12585
					1092030 FA 1	7	2395	10985						1251532 AC 1	14	223	12585
7	2428	11185	0000	6	1101236 SS 1	7	2428	11185	14	231	12785	1000	2	1280120 AC 1	14	231	12785
					1101237 SS 1	7	2428	11185						1280120 AC 1	14	231	12785
					1101406 SS 1	7	2428	11185	14	237	13085	0100	1	1301737 FA 1	14	237	13085
					1101508 AC 1	7	2428	11185	17	246	11085	1000	20	1101250 SS 2	17	246	11085
					1101508 AC 1	7	2428	11185						1101250 SS 2	17	246	11085

1101419 SS 2	17 246 11085
1101419 SS 2	17 246 11085
1101548 SS 2	17 246 11085
1101733 SS 2	17 246 11085
1101853 SS 2	17 246 11085
1101853 SS 2	17 246 11085
1101923 SS 2	17 246 11085
1102236 SS 2	17 246 11085
1110548 SS 2	17 246 11085
1110600 SS 2	17 246 11085
1110600 SS 2	17 246 11085
1110618 SS 2	17 246 11085
1110618 SS 2	17 246 11085
1110812 SS 2	17 246 11085
1110812 SS 2	17 246 11085
1111037 SS 2	17 246 11085
1111037 SS 2	17 246 11085
1111038 SS 2	17 246 11085

OK,

SLIST SAR_CASE_LOCATION

DST	CASE	DATE	OCCURANCE	LAT&LON	SITED	LAT&LON	DOS	COMMENTS	LOC	VEH	SORTIE TIMES					
											52	3F	130	25	BOAT	CUTT
1	93	100983	44-01.2N	067-59.3W				0 PVT AIRSTRIP VIC SW HRBR, ME	APT	ACF	0.0	0.0	0.0	0.0	0.0	0.0
1	96	101083	41-29.4N	071-13.8W	41-29.4N	071-12.4W		0 STORE NEWPORT RI	LND	NVA	1.3	0.0	0.0	0.0	0.0	0.0
1	276	102783	42-28.4N	070-22.3W				0 VIC CAPE ANN	OSH	UNK	1.7	0.0	0.0	0.0	0.0	0.0
1	323	92483	41 05.3N	071 28.1W	40 57.7N	071 24.8W		0 BLOCK ISLAND,NY	ISL	SVP	1.0	0.0	0.0	1.2	0.0	0.0
1	335	110183						0 NE OF PEASE AFB (SANFORD)	LND	ACF	0.0	0.0	0.0	1.1	0.0	0.0
1	460	112183	41-31.4N	071-03.4W	41-36.0	070-53.0W		30 VIC NEW BEDFORD, MA	G20	OTV	1.3	0.0	0.0	0.0	0.0	0.0
1	461	112183	41-33.0N	070-56.0W	41-33.1N	070-56.6W		0 HOUSE, NONQUITT, MA	LND	NVA	0.0	1.1	0.0	0.0	0.0	0.0
1	538	123083	41-34.4N	069-38.3W				17 EAST OF CHATHAM, MA	L20	UNK	1.9	0.0	0.0	0.0	0.0	0.0
1	582	121283	42-19.7N	070-53.8W				0 NR LITTLE BREWSTER ISLAND	OSH	UNK	2.6	0.0	0.0	0.0	0.0	0.0
1	782	20483	43-25.7N	70-35.3W				0 SANFORD,ME AIRPORT	APT	ACF	0.0	3.1	0.0	0.0	0.0	0.0
1	795	20983						0 CAPE COD AREA	LND	ACF	0.0	0.4	0.0	0.0	0.0	0.0
1	837	22683	43-05.7N	70-47.4W				15 CAPE COD AREA	L20	UNK	0.0	2.8	0.0	0.0	0.0	0.0
1	857	30483	41-15.8N	067-18.2W	41-41.9W	066-51.3W		0 VIC E GEORGE'S BANK	OSH	FVC	0.0	1.9	0.0	3.0	0.0	0.0
1	892	31683	42-16.1N	071-14.0W				0 URBAN AREA NEAR LOGAN AIRPORT	NPT	NVA	0.0	1.4	0.0	0.0	0.0	0.0
1	898	31683	41-13.3N	069-24.4W				0 VIC NANTUCKET SHOALS	OSH	UNK	1.4	0.0	0.0	0.0	0.0	0.0
1	932	32683	43-03.5N	071-02.6W	42-58.0N	070-55.0W		0 PVT. AIRSTRIP, STRATHAM,NH	APT	ACF	0.0	1.2	0.0	0.0	0.0	0.0
1	934	32783			42-10.0N	071-00.0W		0 ACFT RAMP, VIC. S.WEYMOUTH,MA	APT	ACF	0.0	1.8	0.0	0.0	0.0	0.0
1	963	40183	42-40.0N	069-51.5W				40 EAST OF CAPE ANN	G20	UNK	0.0	2.4	0.0	0.0	0.0	0.0
1	1059	42483	41-36.9N	069-11.9W				30 EAST OF CHATHAM	G20	UNK	0.0	0.0	0.0	0.0	0.0	0.0
1	1129	50283	41-51.3N	070-01.7W				0 RES AREA RYDER'S COVE	LND	NVA	0.0	1.2	0.0	0.0	0.0	0.0
1	1217	51083						0 NEAR WOODS HOLE	NBR	FVC	0.0	1.2	0.0	0.0	0.0	0.0
1	1287	51883			41-34.8N	070-32.1W		0 VIC. HYANNIS,MA	NBR	FVC	0.9	0.0	0.0	0.0	0.0	0.0
1	1524	60483	41-20.9N	071-52.2W				0 WESTERLY AIRPORT, RI	APT	ACF	0.0	1.9	0.0	0.0	0.0	0.0
1	1547	60583	42-28.0N	068-47.0W	42-36.6N	068-41.7W		70 EAST OF PROVINCETOWN	G20	FVC	0.0	1.8	0.0	0.0	0.0	0.0
1	1763	61483	41-25.9N	070-50.6W	41-29.9N	071-19.2W		0 NEWPORT,RI ELECTRONICS SHOP	LND	NVA	0.0	2.0	0.0	0.0	0.0	0.0
1	1813	61783	39-45.2N	066-22.6W				0 UNKNOWN	UNK	UNK	0.0	0.0	0.0	0.0	0.0	0.0
1	1816	61783	41-09.0N	070-27.0W				15 S OF MARTHA'S VINEYARD	L20	UNV	1.2	0.0	0.0	0.0	0.0	0.0
1	1953	62183	41-19.0N	071-36.0W	41-11.1N	071-35.2W		0 GREAT SALT POND	WVY	SVP	0.0	1.5	0.0	0.0	0.0	0.0
1	1976	62383	42-37.9N	070-36.4W				0 ROCKPORT HARBOR	HBR	FVC	2.5	0.0	0.0	0.0	0.0	0.0
1	2613	71183	41-19.8N	069-59.4W	41-15.9N	070-04.5W		0 MOTORCYCLE ON NANTUCKET ISL	LND	NVA	0.0	0.0	0.0	0.3	0.0	0.0
1	2721	71383	41-23.4N	070-55.1W				2 W OF MARTHA'S VINEYARD	L20	UNK	0.9	0.0	0.0	0.0	0.0	0.0
1	3040	72183	44-10.0N	068-29.0W				0 VIC MT DESERT ISLAND	OSH	UNK	0.0	0.0	0.0	0.0	0.0	0.0
1	3041	72183	42-18.7N	067-43.7W				120 CAPE ANN AREA	G20	UNV	0.0	0.0	0.0	0.3	0.0	0.0
1	3042	72183	40-38.9N	069-54.7W				0 OAK BLUFFS AIRPORT	APT	ACF	0.0	1.2	0.0	0.0	0.0	0.0
1	3044	72183	44-16.0N	068-17.0W				0 BOAT YD SW HARBOR, ME	LND	NVA	0.0	0.0	0.0	0.0	0.0	0.0
1	3045	72383	42-05.5N	070-35.5W				0 NR MARSHFIELD AIRPORT	NPT	UNK	0.5	0.0	0.0	0.0	0.0	0.0
1	3245	72583						0 HYANNIS AIRPORT RADIO SHOP	APT	NVA	0.3	0.2	0.0	0.0	0.0	0.0
1	3504	80283			40-45.0N	071-56.0W		0 VIC NANTUCKET	OSH	UNV	0.0	2.0	0.0	0.0	0.0	0.0
1	4048	81883	42-44.9N	068-39.4W				0 VIC BOSTON CENTER	LND	UNK	0.0	0.8	0.0	0.0	0.0	0.0
1	4086	72083	43-23.1N	069-04.1W	43-02.0N	070-26.6W		0 BIDDEFORD AIRPORT	APT	ACF	0.0	2.5	0.0	0.0	0.0	0.0
1	4248	82383	44-57.0N	072-14.4W				10 SW OF BAR HARBOR, ME	L20	SVP	0.0	0.0	0.0	0.0	0.0	0.0
1	4738	90983	40-50.6N	064-12.2W				0 VIC. NEWPORT BRIDGE,BOATSHOW	LND	OTV	0.0	0.0	0.0	0.0	0.0	0.0
1	4922	91583						0 NEWPORT BEACH	L20	SVP	2.1	0.0	0.0	0.0	0.0	0.0
1	4984	91983						0 VIC FALL RIVER AIRPORT	NPT	UNK	4.8	0.0	0.0	0.0	0.0	0.0
1	5030	92383						0 QUONSET POINT RI	UNK	UNK	0.0	1.4	0.0	0.5	0.0	0.0
1	5161	100183	41-32.2N	071-04.8W				3 VIC NEWPORT, RI	G20	UNK	1.8	0.0	0.0	0.0	0.0	0.0
1	9052	20983						0 BOSTON HARBOR	HBR	MVG	0.0	0.4	0.0	0.0	0.0	0.0
1	9058	22283	40-24.0N	069-46.0W	40-17.4N	069-53.0W		0 FLTNG NANTUCKET LIGHTSHIP AREA	OSH	NVA	0.0	2.4	0.0	0.0	0.0	0.0
1	9070	31083	39-50.0N	073-30.0W	39-54.5N	073-17.1W		0 VIC MANTA INTERSECTION	OSH	FVC	0.0	0.0	0.0	3.6	0.0	0.0
3	9	102783	40 48.9N	059 30.9W	40 11.8N	058 24.7W	500	ENROUTE FROM U.K TO USA	G20	SVP	0.0	0.0	12.1	0.0	0.0	0.0
3X	11	102783	38 20.0N	068 21.0W	37 53.0N	068 13.0W	200	ENROUTE TO BERMUDA	G20	SVP	0.0	0.0	0.0	0.0	0.0	0.0
3	12	72783	40 22.0N	073 03.0W	40 16.5N	073 10.0W		0 SE OF JFK	L20	NVA	2.2	0.0	0.0	0.0	0.0	0.0
3	60	40983	40-40.4N	073-03.3W	40-42.5N	073-14.1W		0 BAYSHORE MARINA BASIN	HBR	OTV	1.3	0.0	0.0	0.0	0.0	0.0
3	75	52583						0 VIC HAMPTON REPUBLIC APT, NY	NPT	ACF	1.0	0.0	0.0	0.0	0.0	0.0
3	95	52883	36 11.6N	068 10.1W	35 55.6N	068 21.2W	200	NE OF BERMUDA	G20	SVP	0.0	0.0	0.0	0.0	0.0	0.0
3	123	72583	33 56.3N	066 03.6W	33 59.0N	066 12.0W	100	VICINITY OF BERMUDA	G20	SVP	0.0	0.0	0.0	0.0	0.0	0.0
3	287	30983	37-50.3N	073-18.8W	37-54.5N	073-17.1W	5	0 VIC MANTA INTERSECTION	L20	FVC	0.0	0.0	0.0	3.6	0.0	0.0
3	1105	92783	40-40.0N	073-38.0W	40-38.9W	073-34.1W	0	0 PIER, VIC WOODCRAFT CANAL	HBR	FVC	0.0	0.0	0.0	0.0	0.0	0.0
3	7011	102183	36 58.7N	067 16.0W	37 28.6N	068 00.5W	300	ENROUTE TO BERMUDA	G20	SVP	0.0	0.0	0.0	2.1	0.0	0.0
3	7020	111183	35 25.0N	067 10.0W	35 37.0N	066 32.0W	160	ENROUTE TO ST CROIX VIA BERMUD	G20	SVP	0.0	0.0	12.7	0.0	0.0	0.0
3	7112	31683						5 MANTA INTERSECTION	L20	UNV	0.0	0.0	0.0	1.8	0.0	0.0
3X	7140	43083	32 58.0N	071 35.0W	32 59.7N	073 36.1W	0		MVG	0.0	0.0	3.0	0.0	0.0	0.0	

3Y99997	43083	40 28.2N	074 09.8W	0 VIC OF STATEN ISLAND	NVA	0.0	0.0	0.0	0.0	0.0	0.0	
5	2	100183	34-54.5N	076-52.8W	70 ENE OF NEW BUN, NC	G20 UNK	0.0	1.9	0.0	0.0	0.0	
5	18	101083	39-07.0N	076-01.0W	39-26.7N	075-57.5W	0 GARAGE, ELK RIVER MD	LND ACF	0.0	0.0	0.0	0.0
5Y	158	42483	34 26.0N	070 44.0W	36 33.9N	072 32.0W	0	DTV	0.0	0.0	0.0	0.0
5	219	31883	37-52.9N	075-48.4W	8 VIC POCOMOKE SOUND, VA	L20 UNV	0.0	2.2	0.0	0.0	0.0	
5X	252	41383	34 10.1N	076 59.3W	0 VIC OF NEW RIVER INLET	UNK	0.0	4.2	0.0	0.0	0.0	
5	272	42783	34-41.3N	076-21.2W	34-40.0N	076-39.0W	0 VIC MUREHEAD APT/ATL BCH, NC	NBR FVC	0.0	2.5	0.0	0.0
5	298	51483	37-26.0N	075-52.0W	0 WOODEN AREA NR NORFOLK APT.	NPT UNK	0.0	2.2	0.0	0.0	0.0	
5	334	60283	35-10.8N	075-38.4W	0 VIC CAPE HATTERAS, NC	OSH SVP	0.0	2.2	0.0	0.0	0.0	
5	424	71283	36-53.6N	076-20.1W	0 VIC JAMES RIVER BRIDGE	NBR UNK	0.0	0.0	3.0	0.0	0.0	
5	425	71383	37-09.3N	076-36.8W	0 FLOATING VIC YORKTOWN,VA	OSH DTV	0.0	0.0	0.0	0.0	0.0	
5	492	80983	34-51.2N	070-53.9W	0 NATL AIRSTRIP, OCEANA	APT APT	0.0	0.0	4.3	0.0	0.0	
5	527	82783	36-55.0N	072-07.0W	190 E OF CAPE HENRY, VA	G20 UNK	0.0	0.0	3.9	0.0	0.0	
5	533	90183	35-13.6N	074-09.6W	70 E OF CAPE HATTERAS, NC	G20 UNK	0.0	2.3	0.0	0.0	0.0	
5	541	90583	33-55.0N	077-27.1W	0 BRADLEY CREEK MARINA	HBR DTV	0.0	0.0	0.0	0.0	0.0	
5Y99988	43083	33 36.6N	072 25.2W	0	DTV	0.0	0.0	0.0	0.0	0.0	0.0	
7	167	100683	0 VIC KEY WEST	OSH MVG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	194	103083	27-27.8N	082-22.6W	0 ALBERT WHITED FIELD	LND ACF	0.0	0.0	0.0	0.0	0.0	
7	206	110283	25-27.3N	071-41.3W	0 BORES INTERSECTION	OSH UNK	0.0	0.0	0.0	0.0	0.0	
7	207	110283	0 VIC VERO BEACH	UNK UNK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	215	110383	24-50.0N	081-58.0W	0 VIC MARATHON	UNK UNK	0.0	0.0	0.0	0.0	0.0	
7	527	102183	32-04.4N	080-53.9W	32-02.0N	080-53.9W	0 ON CG SHIP NR SAVANNAH	OSH MVG	0.8	0.0	0.0	0.0
7	546	122783	0 YACHT CLB BLDNG PALM BCH	LND NVA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	802	103183	23-00.3N	076-04.1W	22-59.2N	076-01.6W	0 VIC DUNNO INTERSECTION	ODS MVC	0.0	0.0	0.0	0.8
7	835	110383	18 08.0N	064 04.0W	18 43.3N	064 21.7W	0 SOUTH OF SAN JUAN	L20 DTV	0.0	0.0	1.3	0.0
7	884	32283	18-21.1N	064-35.5W	0 VIC BEEF ISLAND	OSH DTV	0.0	0.0	0.0	0.0	0.0	
7	1124	43083	32-58.0N	071-35.0W	32-59.7N	073-36.1W	0 ON STEADY CARRIER	OSH DTV	0.0	0.0	0.0	0.0
7	1155	50683	0 VIC MIAMI	UNK UNK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	1474	120383	25-00.0N	080-00.0W	25-41.5N	080-16.6W	0 HBR VIC MIAMI AIRPORT	HBR SVP	0.9	0.0	0.0	0.2
7	1741	73083	19-55.7N	072-18.1W	0 N OF HAITI	OSH UNK	0.0	0.0	0.0	0.0	0.0	
7	1752	73183	26-29.8N	082-05.1W	20 W OF FT MYERS, FLA	L20 UNK	0.0	0.0	0.0	0.0	0.0	
7	1847	122383	27-36.0N	080-30.5W	0 VIC INDIAN RIVER AIRPORT	NPT UNK	0.0	0.0	0.0	2.9	0.0	
7	1942	122883	0 IN AIR VIC VERO BEACH	AIR ACF	0.0	0.0	0.0	3.6	0.0	0.0	0.0	
7	1987	90583	24-50.0N	079-54.0W	0 VIC TANYA INTERSECTION	OSH MVP	0.0	0.0	0.0	0.0	0.0	
7	1992	90683	27-31.5N	074-28.6W	0 VIC MARCO ISLAND	OSH UNK	0.0	0.0	0.0	0.0	0.0	
7	2238	122883	12 VIC SARASOTA	L20 UNV	0.0	1.1	0.0	0.0	0.0	0.0	0.0	
7	3269	20883	24 09.4N	080 10.1W	24 03.6N	080 04.3W	45 VICINITY OF URSUS INTERSECTION	G20 MVP	4.5	0.0	0.0	2.6
7	3394	21583	0 TREASURE CAY AIRPORT	APT ACF	0.0	0.0	0.0	1.6	0.0	0.0	0.0	
7	3644	22583	25-56.0N	078-37.0W	0 ON VSL NEAR BARNET BEACH	OSH DTV	0.0	0.0	0.0	2.3	0.0	
7	3716	22783	21 27.3N	074 18.4W	21 26.4N	074 19.4W	30 ON A ROUTE TO GREAT INAGUA	G20 SVP	0.0	0.0	0.0	5.3
7	3888	30683	26 05.0N	080 04.0W	0 NORTH PERRY AIRPORT	APT ACF	0.8	0.0	0.0	0.0	0.0	
7	3964	30983	0 SW OF KEY WEST	OSH UNK	0.0	0.0	0.0	0.9	0.0	0.0	0.0	
7	4026	31283	0 FT LAUDERDALE VIC	UNK UNK	0.0	0.0	0.0	0.4	0.0	0.0	0.0	
7	4163	31683	19-59.8N	073-57.6W	0 VIC EAST EDGE OF CUBA	OSH UNK	0.0	0.0	0.0	3.3	0.0	
7	4199	31883	0 VIC HOMESTEAD	OSH UNK	0.3	0.0	0.0	0.0	0.0	0.0	0.0	
7	4204	31483	0 VIC VERO BEACH	OSH UNK	0.0	0.0	0.0	2.1	0.0	0.0	0.0	
7	4518	32883	25-35.1N	076-43.9W	25-29.0N	076-40.0W	0 N ELEUTHERA APT, NASSAU	APT ACF	0.0	0.0	0.0	3.4
7	4803	40783	0 HAYAGUES AIRPORT	APT UNK	0.0	0.8	0.0	0.0	0.0	0.0	0.0	
7	4905	41183	28 12.1N	078 58.4W	28 13.4N	078 58.9W	80 SOUTH OF HOBIE INTERSECTION	G20 MVP	0.0	3.2	0.0	0.0
7	4909	41183	28-12.1N	076-58.4W	0 N OF ABACO	OSH UNK	0.0	0.0	0.0	1.1	0.0	
7	5212	42283	28-05.2N	084-05.9W	0 WEST OF TAMPA	OSH UNK	0.0	0.0	1.2	0.0	0.0	
7	5362	42983	26 34.7N	081 00.6W	65 WEST CENTRAL FLORIDA	G20 UNK	0.0	1.2	1.3	0.0	0.0	
7	5645	50483	0 25 MI S OF FREEPORT AIRPORT	AIR ACF	0.0	0.0	0.0	0.3	0.0	0.0	0.0	
7	5875	51183	27-54.0N	082-41.0W	95 VIC ST PETERSBURG	G20 UNK	0.0	2.4	0.0	0.0	0.0	
7	6727	60283	17-38.8N	085-25.4W	17-43.3N	085-32.6W	0 NW CARRIBEAN	OSH MVC	0.0	0.0	0.0	7.6
7	6759	60283	18 50.0N	079 50.0W	18 50.0N	079 17.0W	25 MONTEGO BAY JAMAICA	G20 SVP	0.0	0.0	0.0	3.9
7Y	6937	60683	25 28.3N	079 18.0W	0 N.CAT BAY HARBOR	HBR SVP	0.0	0.0	0.0	0.0	0.0	
7	7007	60983	29-26.0N	077-26.8W	180 EAST OF DAYTONA	G20 UNK	0.0	0.0	0.0	2.7	0.0	
7	7475	62183	25-41.0N	079-47.0W	30 WEST OF BIMINI	G20 UNK	0.0	0.0	0.0	1.7	0.0	
7	7542	62583	29 15.6N	083 39.6W	29 16.0N	083 42.0W	3 VICINITY OF CEDAR KEY	L20 MVP	0.0	0.0	0.0	0.0
7	7730	62983	26-36.3N	078-57.0W	0 VIC FREEPORT	OSH UNK	0.0	0.0	0.0	0.5	0.0	
7	8176	70883	32-45.0N	078-40.0W	60 E OF CHARLESTON, SC	G20 UNK	0.0	0.0	0.0	3.0	0.0	
7	8178	70883	25-35.9N	082-35.8W	60 SE OF FORT MYERS, FLA	G20 NVA	0.0	0.0	1.1	0.0	0.0	
7	8324	71183	20-06.0N	069-13.0W	0 NW OF PUNTA BORINQUEN, PR	OSH UNK	0.0	3.3	0.0	0.0	0.0	
7	8373	71383	0 VIEQUES AIRPORT	APT ACF	0.0	2.8	0.0	0.0	0.0	0.0	0.0	
7	8389	71383	27-28.0N	071-00.0W	0 AT SEA IN LIFEBOAT	OSH MVC	0.0	0.0	5.2	0.0	0.0	

7X 8605	72083	14 00.0N	063 05.0W	14 43.6N	064 41.0W	0 VIC OF MARTINIQUE	DSH HVC	0.0	6.1	0.0	0.0	0.0	0.0
7 8629	71983	21-35.0N	074-00.0W	20-47.4N	073-50.8W	0 NEAR MATTHEWTOWN	DSH OTV	0.0	0.0	0.0	1.6	0.0	0.0
7 8917	72783			26 43.6N	085 33.6W	0 NORTH OF YUCATAN	MVC	1.2	0.0	0.0	0.0	0.0	0.0
7 9098	80283	26-37.3N	080-05.1W			0 VIC PALM BEACH COUNTY AIRPORT	NPT ACF	0.0	0.0	0.0	1.0	0.0	0.0
7 9154	80483	25-49.0N	073-26.0W			0 EAST OF BAHAMAS	UNK UNK	0.0	0.0	3.8	0.0	0.0	0.0
7 9439	81383	25-48.7N	079-33.2W			0 VIC BININI	OSH UNK	0.0	0.0	0.0	0.7	0.0	0.0
7 9559	81483					0 ISLE GRAND AIRPORT	APT ACF	0.0	1.8	0.0	0.0	0.0	0.0
7 10069	90283					0 NORTH PERRY AIRPORT	APT UNK	0.0	0.0	0.0	1.2	0.0	0.0
7 10323	90783	25-06.6N	076-57.6W			0 NASSAU INTL AIRPORT	APT ACF	0.0	0.0	0.0	1.8	0.0	0.0
7 10340	90883					0 ST PETERSBURG APT	APT ACF	0.0	0.6	0.0	0.0	0.0	0.0
7 10347	90983	27-00.0N	076-26.0W			0 E OF GR ABACO NR MARSH HARBOR	NBR NVA	0.0	0.0	0.0	1.4	0.0	0.0
7 10393	91083	24-12.0N	077-48.1W			1 VIC KEY WEST	L20 UNK	0.0	0.0	0.0	2.7	0.0	0.0
7 10469	91283	26-25.7N	080-06.9W			5 VIC FT LAUDERDALE APT	L20 NVA	0.5	0.0	0.0	0.0	0.0	0.0
7 10479	91383			25-00.0N	080-30.8W	0 LNDG STRIP TAVERNIER	ISL ACF	0.0	0.0	0.0	0.3	0.0	0.0
7 10492	90483			20-50.0N	074-55.0W	0 AIRFIELD VIC WINDWARD PASS	APT ACF	0.0	0.0	0.6	0.0	0.0	0.0
7 10499	91383	25-13.7N	079-47.3W			0 GULSTREAM SE OF KEY BISCAYNE	DSH NVA	0.0	0.0	0.0	0.3	0.0	0.0
7 10500	91383	24-06.7N	080-33.1W			25 VIC CAY SAL, FLA	G20 UNK	0.0	0.0	0.0	0.3	0.0	0.0
7 10501	90983	30-20.0N	080-07.0W			0 BLOCK ISLAND TERMINAL	HBR MVC	0.0	0.0	0.0	0.0	0.0	0.0
7 10656	92183			28-28.0N	080-40.0W	0 CANAVERAL BARGE CANAL	HBR HVG	0.0	0.0	0.0	0.0	0.0	0.0
7 10781	92683	29-25.0N	072-10.0W			500 E OF FLORIDA	G20 NVA	0.0	0.0	4.9	0.0	0.0	0.0
7 10802	92883	25-30.0N	078-10.0W	25-28.0N	078-18.0W	0 FFLLOATING VIC HODGY INTERSCTN	OSH OTV	0.0	0.0	0.0	0.3	0.0	0.0
8 4	101883	28-59.3N	089-58.5W	28-55.7N	089-47.3W	7 NEAR LEEVILLE, TX	L20 OTV	0.0	0.0	0.0	1.1	0.0	0.0
8 6	100283	28-35.0N	094-49.0W	28-35.0N	094-49.0W	0 HOUSTON HOBBY AIRPORT	APT ACF	0.0	0.0	0.0	1.9	0.0	0.0
8 7	100683	29-25.9N	094-18.5W			0 VIC HIGH ISLAND	OSH UNK	0.0	0.0	0.0	1.6	0.0	0.0
8 21	112783	29-19.0N	092-44.0W	29-16.3N	092-39.3W	20 OSH WESTERN LOUISIANA	L20 L2	0.0	0.0	0.0	1.8	0.0	0.0
8 27	102583	26 58.0N	097 23.0W	27 07.0N	097 23.4W	0 BEACH OF PADRE ISLAND	ISL ACF	0.0	0.0	0.0	0.5	0.0	0.0
8 28	20583	28-49.8N	089-49.3W			0 FLOATNG DEBRIS S OF SWEST PASS	OSH NVA	0.0	2.0	0.0	0.0	0.0	0.0
8 33	11283	42-00.0N	094-07.0W	42-00.0N	094-07.0W	0 PJEFFERSON COUNTY APT	APT ACF	0.3	0.0	0.0	0.0	0.0	0.0
8 34	12183	28-53.6N	095-10.7W			0 VIC FREEPORT, TX	OSH UNK	0.3	0.0	0.0	0.0	0.0	0.0
8 42	110983	28-00.0N	095-00.0W	28-05.0N	095-46.0W	35 OFF COAST OF PORT O'CONNOR	G20 OTV	0.0	0.0	0.0	1.6	0.0	0.0
8 43	121483					0 ELLINGTON AFB	APT ACF	0.2	0.0	0.0	0.0	0.0	0.0
8 49	123083	29-13.2N	094-23.0W			15 VIC GALVESTON, TX	L20 UNK	1.6	0.0	0.0	0.0	0.0	0.0
8 50	30683	29-53.0N	090-04.0W	29-51.0N	089-55.0W	0 BRAITHWAITE GOLF COURSE	LND ACF	0.5	0.0	0.0	0.0	0.0	0.0
8 54	112983	29-52.6N	089-47.9W	29-52.3N	089-54.5W	10 OSH WESTERN LOUISIANA	L20 MVC	0.0	0.2	0.0	0.0	0.0	0.0
8Y 58	30783	29 53.0N	089 52.0W			0 AREA OF MISSISSIPPI RIVER	ACF	0.0	0.0	0.0	0.0	0.0	0.0
8 66	30183	30-05.7N	085-50.3W	30-09.2N	085-51.4W	0 FLOATING VIC PANAMA CITY BCH	OSH NVA	0.0	0.0	0.0	0.0	0.0	0.0
8 69	31283					0 CLEARLAKE CITY	LND NVA	0.1	0.0	0.0	0.0	0.0	0.0
8 71	31183	29-18.9N	094-55.8W	29-19.2N	094-47.0W	20 GALVESTON AREA	L20 HVC	1.8	0.0	0.0	0.0	0.0	0.0
8 73	30883	28-53.5N	091-06.2W	28-50.4N	091-08.3W	0 S OF MORGAN CITY	OSH OTV	0.0	0.0	0.0	2.4	0.0	0.0
8 79	32883	29-19.0N	092-19.0W			10 VIC FRESHWATER BAYOU	L20 UNV	0.0	0.0	0.0	2.1	0.0	0.0
8 80	31783	30-39.5N	088-39.5W			0 VIC BROOKLEY FIELD	LND NVA	1.6	0.0	0.0	0.0	0.0	0.0
8 89	32883	29-53.0N	083-05.0W	29-59.3N	086-15.5W	10 VIC PANAMA CITY, FLA	L20 FVC	0.0	0.0	0.0	1.0	0.0	0.0
8 106	41383	28-47.8N	090-56.8W	28-48.1N	090-54.6W	0 VIC TIMBALIER BAY	OSH HVC	0.0	0.0	0.0	2.3	0.0	0.0
8 109	51883					0 NR FREEPORT HARBOR	NBR UNV	0.4	0.0	0.0	0.0	0.0	0.0
8 116	61683	30-27.3N	086-37.9W			0 ELGIN AFB	APT NVA	0.0	0.0	0.0	0.0	0.0	0.0
8 122	22483	27-17.9N	096-50.3W			0 PORT ARKANSAS	HBR HVG	0.0	0.0	2.6	0.0	0.0	0.0
8 130	21883			28-22.9N	092-04.2W	70 FLOATING EPIRB OSH	G20 NVA	5.0	0.0	0.0	0.0	0.0	0.0
8 132	70583	30-49.0N	086-40.0W			0 VIC CRESTVIEW, FL	OSH UNK	0.0	0.0	0.0	2.5	0.0	0.0
8 134	62883	29-36.2N	093-16.2W	29-35.0N	093-11.0W	0 CAMERON AREA	OSH NVA	3.0	0.0	0.0	0.0	0.0	0.0
8Y 154	80683			30 27.0N	088 12.0W	0 VIC DOUPHIN ISLAND AIRPORT	NPT ACF	0.0	0.0	0.0	0.0	0.0	0.0
8 155	112483	29 08.0N	092 23.0W	29 08.0N	092 23.0W	30	G20 HVC	0.0	0.0	0.0	0.0	0.0	0.0
8 158	81283	28-24.2N	091-46.4W	28-21.0N	091-42.8W	0 ATCHAFALAYA BAY	OSH NVA	0.0	0.0	0.0	1.4	0.0	0.0
8 183	43083	29-07.9N	093-02.9W			30 VIC OF GALVESTON	G20 UNK	0.0	0.0	0.0	1.2	0.0	0.0
8 191	22383			27-50.5N	097-03.7W	70 VIC ARKANSAS PASS, TX	G20 HVC	0.8	0.0	0.0	0.0	0.0	0.0
8 191	90583			29-05.0N	095-24.0W	0 SCHERDIN FIELD	APT ACF	2.0	0.0	0.0	0.0	0.0	0.0
8 201	51983	28-20.9N	094-06.7W	28-47.0N	094-25.8W	70 SE OF GALVESTON	G20 HVC	0.0	0.0	0.0	1.9	0.0	0.0
8 203	72183	30-15.5N	088-07.0W			0 DAUPHIN ISLAND AIRPORT	APT ACF	0.0	0.0	0.0	0.0	0.0	0.0
8 209	30583					0 US CUSTOMS GROUND PARTY	LND NVA	0.1	0.0	0.0	0.0	0.0	0.0
8 226	31883	29-06.1N	089-08.9W	29-02.0N	089-11.0W	0 VIC HEAD PASS	L20 HVC	0.3	0.0	0.0	0.0	0.0	0.0
8 229	122083	29-22.5N	094-45.5W	29-19.0N	094-48.0W	0 GALVESTON YACHT BASIN	HBR SVP	0.8	0.0	0.0	0.0	0.0	0.0
8 240	60983					0 REDFISH BAY SHIPYARD	HBR HVC	0.5	0.0	0.0	0.0	0.0	0.0
8 246	122583	29-40.0N	093-30.0W	29-37.0N	093-10.8W	0 SOUTH OF CAMERON	OSH HVC	0.0	0.0	0.0	3.0	0.0	0.0
8 270	32583	29-00.1N	085-35.0W			0 VIC BAY COUNTY AIRPORT	APT UNK	0.0	0.0	0.0	2.6	0.0	0.0
8 291	51283					0 HANGAR WESTWAGD AIRPORT	APT ACF	0.0	0.0	0.0	0.0	0.0	0.0
8 305	72483	28-52.6N	095-08.3W			0 N OF COLORADO RIVER LOCKS	WHY HVC	0.0	0.0	0.0	0.6	0.0	0.0
8 308	52483	29-56.1N	089-59.6W			0 VIC BELLE CHASSE, LA	OSH UNK	0.0	2.1	0.0	0.0	0.0	0.0

8	323	060283	33-00.0N	090-27.0W	0 NR LA PLACE	LND UNK	1.0	0.0	0.0	0.0	0.0	0.0	
8	339	81983	27-52.0N	097-12.0W	27-52.0N 097-12.0W	0 MARINE CD, INGLESIDE TX	LND NVA	0.0	0.0	0.0	0.7	0.0	0.0
8	367	62183	29-46.4N	088-18.6W	0 SOUTH OF DAUPHIN ISLAND	OSH UNK	0.0	2.1	0.0	0.0	0.0	0.0	
8	371	62383	29-30.0N	089-30.0W	0 VIC NAS NEW ORLEANS	NPT UNK	0.0	0.6	0.0	0.0	0.0	0.0	
8	379	70383			0 VIC SOUTHERN SEAPLANE APT	NPT UNK	0.0	0.2	0.0	0.0	0.0	0.0	
8	403	21383	28-29.2N	095-29.5W	0 VIC MATAGORDA BAY	LND NVA	2.8	0.0	0.0	0.0	0.0	0.0	
8	420	72483	28-39.9N	089-56.7W	28-40.4N 090-14.8W	30 S OF LEEVILLE	G20 MVC	0.2	0.0	0.0	0.0	0.0	0.0
8	426	72683	29-59.0N	089-56.5W	0 HALTER MARINA	HBR ACF	0.0	0.6	0.0	0.0	0.0	0.0	
8	428	72883	29-59.9N	092-54.2W	29-50.0N 092-55.0W	0 GRAND LAKE	WVY NVA	0.0	3.8	0.0	0.0	0.0	0.0
8	450	30383	29-35.2N	088-17.8W	0 VIC VENICE, LA	OSH UNK	0.0	0.0	0.0	2.0	0.0	0.0	
8Y	455	81283	29 20.2N	090 25.4W	29 24.8N 090 16.7W	10 WEST OF LEEVILLE, TEXAS	L20 OTV	0.0	0.0	0.0	0.0	0.0	0.0
8	458	30883	29-45.1N	093-58.8W	0 ELCINCS SHOP, SABINE, TX	LND NVA	0.0	0.0	0.0	0.0	0.0	0.0	
8	471	82083		29-34.7N 088-52.3W	0 MOORED GULF OF MEXICO	OSH MVC	0.0	0.0	0.0	0.0	0.0	0.0	
8	474	82083	30-15.8N	086-36.9W	3 CHOCTAWHATCHEE BAY	L20 UNK	0.0	0.0	0.0	0.0	0.0	0.0	
8	475	82183	30-06.4N	089-55.2W	0 LAKE BORGNE	WVY UNK	1.0	0.0	0.0	0.0	0.0	0.0	
8	485	52983	28-44.0N	090-48.7W	28-49.5N 090-31.9W	20 S OF WHISKEY PASS	L20 NVA	0.0	0.0	0.0	2.3	0.0	0.0
8	505	32283	28-43.3N	091-24.0W	28-29.5N 091-16.2W	50 PROD PLTFM S OF ATCHAFALAYA	G20 MVC	0.0	0.0	0.0	3.5	0.0	0.0
8	576	41483	29-44.8N	088-35.3W	15 E OF CHANDELEUR ISLANDS	L20 UNK	1.8	0.0	0.0	0.0	0.0	0.0	
8	731	60283		30-53.0N 088-16.0W	0 VIC LA BATRE BAYOU	WVY MVC	0.0	0.0	0.0	2.3	0.0	0.0	
8	855	120783	29-27.0N	094-41.0W	29-28.0N 094-39.0W	0 BOLIVAR PENINSULA	LND ACF	1.1	0.0	0.0	0.0	0.0	0.0
8	893	120783	29-00.6N	089-03.1W	29-14.8N 089-04.7W	0 VIC LOUTRE PASS	OSH NVA	0.0	0.0	0.0	0.0	0.0	0.0
8	7330	41383	25-00.5N	088-57.4W	0 VIC GULF OF MEXICO	OSH UNK	0.0	0.0	0.0	2.1	0.0	0.0	
8	84002	111383	27-50.0N	093-50.0W	28-03.6N 095-52.4W	0 VIC OSH PORT O'CONNOR	OSH MVC	0.0	0.0	0.0	0.0	0.0	0.0
8	99987	20983	28-57.0N	095-17.0W	0 VIC FREEPORT	NBR OTV	1.1	0.0	0.0	0.0	0.0	0.0	
9	218	21183	45-35.2N	086-30.0W	0 NORTHERN LAKE MICHIGAN	WVY UNK	1.1	0.0	0.0	0.0	0.0	0.0	
9	251	30783	41-49.5N	089-54.5W	0 WSTN PART OF LAKE ERIE	WVY UNK	0.8	0.0	0.0	0.0	0.0	0.0	
9	261	31483	42-51.3N	086-37.2W	0 LND SOUTHERN LAKE MICHIGAN	LND UNK	2.0	0.0	0.0	0.0	0.0	0.0	
9	365	50783	44-39.4N	086-41.5W	0 LAKE MICHIGAN	WVY UNK	2.2	0.0	0.0	0.0	0.0	0.0	
9	379	51283	44-33.6N	087-36.6W	20 LAKE MICHIGAN	L20 UNK	0.0	0.0	0.0	0.0	0.0	0.0	
9	382	51383	42-00.8N	087-32.1W	0 NR O'HARE INTL AIRPORT	NPT UNK	0.6	0.0	0.0	0.0	0.0	0.0	
9	431	52583	45-10.2N	086-28.5N	0 VIC PT. BETSIE, MI	WVY UNK	1.2	0.0	0.0	0.0	0.0	0.0	
9	571	61483	41-59.6N	087-37.7W	0 VIC JAMES PARK, IL	LND UNK	1.6	0.0	0.0	0.0	0.0	0.0	
9	589	61783	43-13.8N	087-19.4W	0 LAKE MICHIGAN	WVY UNK	2.1	0.0	0.0	0.0	0.0	0.0	
9	590	61783	42-34.3N	079-25.7W	0 DUNKURK NY AIRPORT	APT ACF	3.0	0.0	1.3	0.0	0.0	0.0	
9	789	70583	41-38.5N	082-45.3W	0 KELLY'S ISLAND AIRPORT	APT ACF	2.0	0.0	0.0	0.0	0.0	0.0	
9	1174	81983	42-44.0N	087-29.6W	0 ALONG WATERFRONT KENOSHA, WI	LND UNK	1.7	0.0	0.0	0.0	0.0	0.0	
08X99985	30483	28 49.6N	091 04.4W		0	UNK	0.0	0.0	0.0	0.0	0.0	0.0	
11Y	7	63083	26 10.0N	113 00.0W	500 S OF SAN DIEGO,BAJA,	G20 FVC	0.0	0.0	0.0	0.0	0.0	0.0	
11	34	111883	33 14.9N	119 31.3W	5 VIC OF SAN NICKOLAS ISLAND	L20 NVA	2.6	0.0	0.0	0.0	0.0	0.0	
11	53	60583	24 50.7N	112 10.4W	24 55.0N 112 12.0W	15 VIC SAN LASERO,BAJA COAST	L20 NVA	0.0	0.0	11.1	0.0	0.0	0.0
11	54	60783	33-39.3N	117-50.5W	33-39.0N 117-52.0W	0 VIC HUNT BEACH AIRPORT	NPT ACF	0.0	0.0	0.0	0.0	0.0	0.0
11	60	21383	33 35.0N	117 53.0W	33 36.9N 117 55.5W	0 VIC OF VEWPORT HARBOR	NBR UNV	1.3	0.0	0.0	0.0	0.0	0.0
11	105	30483	33-48.1N	118-19.5W	0 VIC TORRENCE AIRPORT	NPT UNK	0.7	0.0	0.0	0.0	0.0	0.0	
11	168	102583	32-11.4N	118-15.3W	31-33.0N 122-30.0W	285 W OF SAN DIEGO	G20 HVG	0.0	5.3	0.0	0.0	0.0	0.0
11	206	62283	33-10.0	117-29.7W	33-14.0N 117-24.0W	0 OCEANSIDE HARBOR	HBR UNV	0.0	3.2	0.0	0.0	0.0	0.0
11	248	91983	32-08.6N	117-31.8W	31-15.0N 116-53.0W	75 S OF SAN DIEGO	G20 MVC	0.0	2.2	0.0	0.0	0.0	0.0
11Y	261	21483	31 04.6N	116 37.2W	0 NEAR TIJUANA	NVA	0.0	0.0	0.0	0.0	0.0	0.0	
11	303	72383	33 39.4N	119 34.8W	33 30.0N 119 48.0W	15 VIC OF SAN NICKOLAS ISLAND	L20 FVC	3.5	0.0	0.0	0.0	0.0	0.0
11	376	72983	32-52.0N	118-27.0W	0 OFF CST OF S CAL & MEXICO	OSH UNK	0.0	2.0	0.0	0.0	0.0	0.0	
12	24	32783	37-50.0N	123-30.0W	0 W OF POINT REYES	OSH UNK	0.0	0.0	2.0	0.0	0.0	0.0	
12	38	22283	39-46.7N	124-03.2W	10 DEBRIS FLTNG V CP VIZCAINO AS	L20 NVA	3.0	0.0	0.0	0.0	0.0	0.0	
12	49	111583	38-20.0N	123-00.0W	0 PRIV RESIDENCE, BODEGA BAY	LND NVA	0.0	0.0	0.0	0.0	0.0	0.0	
12	65	52783	36-55.2N	121-47.8W	0 WATSONVILLE AIRPORT	APT ACF	0.0	0.0	0.0	0.0	0.0	0.0	
12	99	120183	30 09.0N	131 11.0W	29 56.0N 131 08.0W	9 OFF SHORE	L20 SVP	0.0	0.0	0.0	4.6	0.0	0.0
12	101	53083	34 54.7N	123 40.4W	34 30.0N 122 35.0W	170 ENROUTE TO LOS ANGELES	G20 SVP	0.0	0.0	1.0	0.0	0.0	0.0
12	115	40483	38-18.0N	123-41.0W	40 VIC POINT REYES	G20 UNK	1.5	0.0	0.0	0.0	0.0	0.0	
12	125	22283	37-01.1N	121-58.5W	2 NR SANTA CRUZ	NBR UNV	1.4	0.0	0.0	0.0	0.0	0.0	
12	131	22683	37-32.0N	122-30.3W	37-30.5N 122-29.5W	0 PILLAR POINT HARBOR	HBR FVC	0.6	0.0	0.0	0.0	0.0	0.0
12	139	30983	34-45.5N	122-27.2W	92 VIC PT CONCEPTION, CA	G20 UNK	0.0	0.0	4.0	0.0	0.0	0.0	
12	175	70383	36-00.4N	121-43.9N	20 VIC BIG SUR	L20 UNK	3.0	0.0	0.0	0.0	0.0	0.0	
12	182	42683	35-40.0N	121-40.3W	0 SONOMA COUNTY AIRPORT	APT ACF	0.4	0.0	0.0	0.0	0.0	0.0	
12	182	71083	39-31.1N	131-37.5W	0 HANGAR, OAKLAND APT	APT NVA	0.0	0.0	0.0	0.0	0.0	0.0	
12	198	51983	37-46.4N	122-17.5W	8 PACIFIC MRNA , ALAMEDA ESTUS	L20 UNV	0.0	0.0	0.0	0.0	0.0	0.0	
12	208	91583	37-55.0N	122-22.0W	1 NR BRICKYARD COVE MARINA	NBR UNV	0.3	0.0	0.0	0.0	0.0	0.0	
12	216	82383	37-43.0N	123-03.0W	65 W OF FARALLONS	G20 UNK	1.7	0.0	0.0	0.0	0.0	0.0	
12	237	62683		37 36.0N 122 34.0W	3 WEST OF POINT SAN PEDRO	L20 SVP	1.4	0.0	0.0	0.0	0.0	0.0	

12	328	92583	42 10.0N 124 54.0W	41 23.2N 124 53.6W	30 FROM VANCOUVER ENROUTE TO MEXICO	G20 SUP	0.0	0.0	3.3	0.0	0.0	0.0
13	113	111683			0 BARBER'S POINT NAS	APT ACF	0.5	0.0	0.0	0.0	0.0	0.0
13	131	113083			0		0.8	0.0	0.0	0.0	0.0	0.0
13	3156	32383	44 42.5N 124 00.8W		8 VIC DEFOE BAY, OREGON	L20 FVC	0.0	0.0	0.0	2.0	0.0	0.0
13	4003	50283			0 BRITISH COLUMBIA	LND UNK	3.0	0.0	0.0	0.0	0.0	0.0
13Y	6021	60483	48 33.0N 122 47.4W		0 AIRSTRIP ON BLAKELY ISLAND	APT NVA	0.0	0.0	0.0	0.0	0.0	0.0
13	7290	70883	43-38.7N 124-20.9W		0 LAKESIDE AIRPORT	APT ACF	0.0	0.0	0.0	0.0	0.0	0.0
14	46	102283	21-16.9N 157-48.5W		0 VIC DIAMOND HEAD	LND FVC	0.5	0.0	0.0	0.0	0.0	0.0
14	66	103083			14 N OF MALUKALULUKAL	L20 SVP	0.0	0.0	0.0	0.0	0.0	0.0
14	83	110783		21-20.0N 157-56.0W	0 HICKHAM AFB	APT ACF	0.0	0.0	2.6	0.0	0.0	0.0
14	94	111183			0 WHEELER AFB	APT ACF	2.1	0.0	0.0	0.0	0.0	0.0
14	97	111283			0 VIC MKENNA PT, MAUI	OSH UNK	0.0	0.0	1.4	0.0	0.0	0.0
14	137	120383			0 HICKHAM AFB	APT ACF	0.0	0.0	0.3	0.0	0.0	0.0
14	153	121383			0 LAND VIC BARBER'S POINT	NPT ACF	0.0	0.0	0.2	0.0	0.0	0.0
14	172	122183	34-01.5N 155-08.2W		0 UNK	UNK UNK	0.0	0.0	7.9	0.0	0.0	0.0
14X	304	30483	39 30.0N 160 00.0W		999	G20 UNK	0.0	0.0	0.0	0.0	0.0	0.0
14	314	31083	21-10.0N 157-40.0W		5 S OF KOKO HEAD	L20 UNK	0.0	0.0	0.0	0.0	0.0	0.0
14	359	40283			0 HONOLULU AIRPORT	AC ACF	0.4	0.0	0.0	0.0	0.0	0.0
14	367	40583	21-11.0N 158-43.0W		0 NR BARBER'S PT NAS	NPT UNK	0.5	0.0	0.0	0.0	0.0	0.0
14	409	50183	22 05.0N 161 30.0W	22 12.0N 161 54.5W	130 VICINITY OF KANAI	G20 FVC	0.0	0.0	14.2	0.0	0.0	0.0
14	452	52483			0 BARBER'S POINT APT	APT ACF	0.1	0.0	0.0	0.0	0.0	0.0
14	493	6783	22-07.8N 159-55.2W		0 LND VIC PBARKING SAN	LND UNK	2.0	0.0	0.0	0.0	0.0	0.0
14	534	62083	24-15.0N 158-10.0W		0 SW OF MAHALA BAY	OSH UNK	0.5	0.0	0.0	0.0	0.0	0.0
14	607	72483	20 45.0N 158 25.0W	21 40.0N 159 07.0W	40 SOUTH OF KANAI	G20 FVC	0.0	0.0	4.6	0.0	0.0	0.0
14	615	72983			0 ALA AWAI CANAL HARBOR	HBR UNK	0.2	0.0	0.0	0.0	0.0	0.0
14	672	82383			0 RAMP, HICKHAM AFB	APT ACF	0.3	0.0	0.0	0.0	0.0	0.0
14	723	91583	23-00.0N 154-39.0W		0 GEN LYMAN FLD, HILO	APT MVG	0.0	0.0	3.8	0.0	0.0	0.0
14	724	92183			0 VIC HONOLULU INTL AIRPORT	NPT MVG	0.5	0.0	0.0	0.0	0.0	0.0
14	740	92083	21-42.0N 164-32.4W		0	OSH UNK	0.0	0.0	1.4	0.0	0.0	0.0
14	756	92583	22-20.0N 160-11.6W	21-00.1N 159-20.7W	0 TRAILER VIC KAPAA CANAL	LND NVA	0.0	0.0	1.4	0.0	0.0	0.0
14	764	92983	20-45.0N 149-39.0W		300 OSH HILO, HI	G20 UNK	0.0	0.0	7.1	0.0	0.0	0.0
17	2	100183	57-06.0N 135-25.0W	57-06.0N 135-25.0W	0 SITKA SOUND AREA	OSH FVC	0.0	0.0	0.0	0.0	0.0	0.0
17	39	101983	57-14.0N 157-27.0W		0 VIC ALASKAN PENINSULA	UNK UNK	0.0	0.0	5.8	0.0	0.0	0.0
17	89	110783	60 00.0N 147 30.0W	59 58.5N 147 23.0W	0 MONTEG ISLAND	ISL ACF	0.0	2.5	0.0	0.0	0.0	0.0
17	131	112583	56 36.0N 133 05.0W	56 42.3N 132 09.4W	0 VICINITY OF WRANGELL	LND ACF	0.0	1.7	0.0	0.0	0.0	0.0
17	187	122483	53-47.0N 157-10.0W		0 NEAR HAKNIK FIELD	NPT ACF	0.0	0.0	0.0	0.0	0.0	0.0
17	194	122783	59 47.0N 147 52.0W	59 47.0N 147 52.0W	0 MONTEGUE ISLAND	ISL ACF	0.0	0.0	1.9	0.0	0.0	0.0
17	271	20583	56-21.2N 159-56.2W		0 AT APT VIC CHEGNIK	APT ACF	0.0	0.0	1.1	0.0	0.0	0.0
17	293	21783	58 29.0N 152 22.6W	58 30 N 152 30.0W	3	L20 FVC	0.0	0.0	0.0	0.0	0.0	0.0
17	531	52783	59-05.0N 138-32.0W	59-07.0N 138-23.0W	0 ON LAND NEAR DRY BAY	LND ACF	0.0	0.0	0.0	0.0	0.0	0.0
17	730	70483	54-50.0N 125-56.2W		0 APT HANGAR, VIC KETCHIKAN,AKA	APT ACF	0.0	0.0	0.0	0.0	0.0	0.0
17	759	70983	60-07.0N 147-38.0W	59-55.0N 147-32.0W	0 MONTAGUR ISL AIRSTRIP	APT ACF	0.0	0.0	3.1	0.0	0.0	0.0
17	762	71183		58 16.0N 155 50.0W	0 UGASHIK, GEOLOGICAL SITE	LND ACF	0.0	5.5	2.5	0.0	0.0	0.0
17	905	80783	60 55.8N 147 21.5W		0 PRINCE WILLIAM SOUND AREA	AIR ACF	0.0	0.0	1.9	0.0	0.0	0.0
17	910	80883	58 11.5N 154 49.5W		0 VIC OF KATANAI BAY	LND ACF	0.0	0.9	2.4	0.0	0.0	0.0
17	946	81783	57-39.0N 157-33.0W		0 VIC ELEGIK BAY	OSH UNK	0.0	0.0	1.0	0.0	0.0	0.0
17	979	82483	57-14.9N 153-59.1W	57-07.5N 154-05.0W	0 VIC DLGA BAY	NBR ACF	0.0	0.0	1.4	0.0	0.0	0.0
17	1077	91383	56-28.0N 159-48.3W	56-27.0N 159-44.0W	0 IN AIR NR PORT MOLLER	AIR ACF	0.0	0.0	3.0	0.0	0.0	0.0
17	1120	92783	57-03.3N 135-21.0W		0 FLOAT DOCK, SITKA SOUND	LND ACF	0.0	0.4	0.0	0.0	0.0	0.0
17	1124	92983	56-30.0N 158-30.0W	56-33.0N 158-15.0W	0 CHEGNIK LAGOON AIRPORT	APT ACF	0.0	0.4	0.0	0.0	0.0	0.0
1	22	103184	41 27.7N 070 39.3W		1 VIC MARTHA'S VINEYARD	L20 UNK	0.0	1.5	0.0	0.0	0.0	0.0
1X	30	92284		41 49.3N 067 47.5W	100 EAST OF CAPE COD	G20 FVC	0.0	2.6	0.0	2.3	0.0	0.0
1	46	120984		40 23.0N 071 11.0W	0 VIC OF BLOCK ISLAND	ISL FVC	2.1	1.2	0.0	1.4	0.0	0.0
1Z	49	121384			0 LOGAN FIELD, BOSTON	APT NVA	0.0	0.0	0.0	1.1	0.0	0.0
1Z	50	121484			110 NE GLOUCESTER, MA	G20 NVA	0.0	0.0	0.0	1.6	0.0	0.0
1	177	61584		41-37.1N 070-54.9W	0 RES. AREA NR NARAGANSETT BAY	LND NVA	0.0	0.0	0.0	0.6	0.0	0.0
1	200	70484			0 OAK BLUFFS AIRPORT	APT UNK	0.0	0.6	0.0	0.0	0.0	0.0
1	210	70984			0 GLOUCESTER, MA	LND NVA	0.0	0.2	0.0	0.0	0.0	0.0
1	219	82784		41 40.5N 070 37.4W	2 VIC MONUMENT BEACH	L20 MVP	1.3	0.0	0.0	0.0	0.0	0.0
1	230	71984		41-35.3N 071-16.8W	0 MARTHA'S VINEYARD	HBR SVP	0.0	0.0	0.0	0.4	0.0	0.0
1Z	299	92184			0 MARTHA'S VINEYARD	ISL UNK	0.0	0.0	0.0	0.6	0.0	0.0
1	302	92284	41 40.0N 070 37.9W		0 VIC N. BERDFORD HARBOR	HBR UNK	0.0	0.1	0.0	0.8	0.0	0.0
1	700	11784	41-24.5N 071-26.0W		0 REPAIR SHOP, PT JUDITH, RI	LND NVA	1.8	0.0	0.0	0.0	0.0	0.0
1	1170	50784	41-28.6N 067-43.7W		90 EAST OF CHATHAM	G20 UNK	0.0	0.0	0.0	2.0	0.0	0.0
1	2011	62384	40 55.0N 068 46.0W	41 00.9N 071 46.8W	58 SE OF NANTUCKET	G20 FVC	3.9	1.7	0.0	0.0	0.0	0.0
1	2077	62484	42-38.0N 070-50.0W	42-34.2N 070-46.3W	0 MANCHESTER, MA HOUSE	LND NVA	0.0	0.0	0.0	7.8	0.0	0.0

1	3143	22784	18-08.8N	068-23.7W		0 MONA PASSAGE AREA	OSH UNK	0.0	1.6	0.0	0.0	0.0	0.0	0.0
3	8	110684	35 30.9N	067 37.5W	35 57.5N	065 49.2W	170 NORTH OF BERMUDA	G20 SVP	0.0	0.0	7.2	0.0	0.0	0.0
3	14	101784	40 46.7N	073 09.6W			0 MACARTHUR AIRPORT,LI	APT ACF	1.2	0.0	0.0	0.0	0.0	0.0
3Z	21	101484	41 08.2N	072 20.2W			0 SHELTER ISLAND,COECLES HARBOR	HBR SVP	0.0	0.0	0.0	0.0	0.0	0.0
3Z	24	102384					0 SE OF FIRE ISLAND	UNK	2.3	0.0	0.0	0.0	0.0	0.0
3	31	32784	41-15.0N	072-00.0W	41-20.6N	071-58.4W	0 MARINA, MYSTIC HBR, CT	HBR UNV	0.0	0.0	0.0	1.9	0.0	0.0
3	35	50484	38 15.2N	067 47.7W	37 45.0N	068 07.0W	275 SE OF NYC	G20 FVC	5.6	0.0	6.5	2.5	0.0	0.0
3Z	35	102184					0 CAPTAIN'S COVE MONTAUK,NY	HBR FVC	0.0	0.0	0.0	0.0	0.0	0.0
3Z	40	102484					0 HIGHLANDS	LND NVA	0.0	0.0	0.0	0.0	3.4	0.0
3Z	42	111484					0 VIC GLEN COVE NW WESTCHESTER	LND ACF	0.0	0.0	0.0	1.6	0.0	0.0
3	55	70184	38 06.0N	066 01.0W	38 09.0N	068 02.0W	160	G20 OTV	0.0	3.8	0.0	8.2	0.0	0.0
3	57	120684			40 30.0N	074 03.0W	0 VIC OF VZ BRIDGE	LND NVA	0.2	0.0	0.0	0.0	0.0	0.0
3	63	40184	40-50.0N	073-00.0W			0 BROOKHAVEN AIRPORT	APT ACF	0.5	0.0	0.0	0.0	0.0	0.0
3	66	50284					0 VICINITY OF DOVER, DEL	LND NVA	0.1	0.0	0.0	0.0	0.0	0.0
3	68	51984	33 28.6N	067 00.3W	32 55.5N	067 14.4W	125 VICINITY OF BERMUDA	G20 SVP	0.0	0.0	5.1	0.0	0.0	0.0
3	69	50584	39-00.0N	073-45.0W			0 NY CENTER	LND UNK	2.1	0.0	0.0	0.0	0.0	0.0
3Z	72	111084					0 VIC DD COUNTY RD	LND NVA	0.0	0.0	0.0	1.4	0.0	0.0
3	90	62584	43 45.0N	041 11.0W	43 27.0N	041 35.0W	600	G20 SVP	0.0	0.0	0.0	0.0	0.0	0.0
3Z	93	80184					0 LAKE CHAMPLAIN STAVE ISLAND	WHY ACF	0.0	0.0	0.0	0.0	1.4	0.0
3	96	61084					0 VIC DELAWARE BAY	OSH UNK	1.7	0.0	0.0	0.0	0.0	0.0
3Y	102	60284					0 VIC OF FREEPORT, LONG ISLAND	NVA	0.0	0.0	0.0	0.0	0.0	0.0
3	102	61784	38-45.4N	074-12.0W			0 VIC CAPE MAY	OSH UNK	1.4	0.0	0.0	0.0	0.0	0.0
3	106	60584			40-40.4N	073-21.3W	0 MARINA VIC JONES BEACH	HBR NVA	0.6	0.0	0.0	0.0	0.0	0.0
3	118	61384					0 VIC SANDY HOOK, NJ	OSH UNK	0.4	0.0	0.0	0.0	0.0	0.0
3	119	62384	41-20.2N	072-04.3W	42-03.3N	062-59.4W	0 MARINA VIC FISHER'S ISLAND	HBR SVP	0.0	0.0	0.0	0.0	0.0	0.0
3	137	62584					0 SE OF JFK AIRPORT	L20 UNK	1.0	0.0	0.0	0.0	0.0	0.0
3	138	71584					0 HANGAR, CAPE MAY COUNTY APT	APT ACF	0.1	0.0	0.0	0.0	0.0	0.0
3	142	62784	40-59.7N	072-29.8W	38-57.7N	045-54.2W	0 ROCKAWAY BEACH	LND MVC	3.3	0.0	0.0	0.0	0.0	0.0
3	153	70784	40-55.7N	073-32.8W			0 VIC EATON'S NECK	OSH UNK	1.2	0.0	0.0	0.0	0.0	0.0
3	156	41084	41-10.7N	071-57.7W	41-00.7N	079-59.3W	5 STAR ISL MARINA, MONTAUK HBR	L20 FVC	0.0	0.0	0.0	0.0	4.0	0.0
3	164	71784	40-37.0N	074-03.0W			0 MARINA, STATEN ISLAND	HBR OTV	0.0	0.0	0.0	0.0	0.0	0.0
3	189	80184	40 32.0N	073 27.0W			10 SW OF KENNEDY AIRPORT	L20 UNK	0.8	0.0	0.0	0.0	0.0	0.0
3	190	80284	40 38.6N	073 32.5W	40 32.6N	073 32.5W	0 SIKORSKY HELIPORT,CT	APT ACF	1.7	0.0	0.0	0.0	0.0	0.0
3	194	90584	40 49.0N	072 21.0W			0 OLD FORT POND	WHY OTV	2.7	0.0	0.0	0.0	0.0	0.0
3	203	81284			40 47.3N	072 48.7W	0 VIC HAMPTON,LI	HBR UNK	1.6	0.0	0.0	0.0	0.0	0.0
3	203	83084	39 17.0N	073 50.0W			19 VIC OF ATLANTIC CITY,NJ	L20 UNK	0.5	0.0	0.0	0.0	0.0	0.0
3X	217	42584	31 00.0N	071 30.0W			0	UNK UNK	0.0	0.0	0.0	0.0	0.0	0.0
3	240	90984	40 20.0N	072 05.0W			0 VIC STRONG POINT, LONG ISLAND	HBR UNV	0.9	0.0	0.0	1.8	0.0	0.0
3	244	91884	40 49.0N	072 52.0W			0 VIC BROOKHAVEN AIRPORT	NPT NVA	1.2	0.0	0.0	0.0	0.0	0.0
3	246	52984	40-46.0N	072-00.0W	41-03.0N	071-43.0N	15 MONTAUK POINT	L20 SVP	3.0	0.0	0.0	0.0	0.0	0.0
3	252	92984	40 59.3N	072 19.3W			0 GARDINERS ISLAND	ISL NVA	2.4	0.0	0.0	0.0	0.0	0.0
3Z	282	90284					0 VIC MONTAUK PT,NY	HBR UNV	0.0	0.0	0.0	1.2	0.0	0.0
3	297	31484	40 12.5N	072 13.0W	39 11.0N	075 28.0W	0 NEAR GROTON AIRPORT,CONN.	NPT ACF	3.5	0.0	0.0	0.0	2.1	0.0
3	358	70984			40-53.5N	072-30.3W	0 MARINA NR SHINNECOCK CANAL	HBR MVP	1.0	0.0	0.0	0.0	0.0	0.0
3	393	71884	40-42.8N	073-06.1W			0 MARINA IN WILLET'S CREEK	HBR UNV	1.6	0.0	0.0	0.0	0.0	0.0
3	450	80384			40 39.9N	073 32.1W	0 BRIDGEPORT AREA,MARINA	HBR UNK	1.7	0.0	0.0	0.0	0.0	0.0
3	457	51984	39-50.0N	075-20.0W			0 PENN SHIPYARD	LND NVA	0.0	0.0	0.0	0.0	0.0	0.0
3	467	52284	40-05.0N	071-20.0W	31-16.7N	028-31.6W	30 UNK	G20 UNK	0.0	0.0	0.0	6.4	0.0	0.0
3	468	52284	40-29.7N	074-07.3W			0 LWR NEW YORK HARBOR	UNK UNK	0.3	0.0	0.0	0.0	0.0	0.0
3Z	498	81984					0 LONG ISLAND MACARTHUR AIRPORT	APT ACF	1.2	0.0	0.0	0.0	0.0	0.0
3Z	506	82184					8 SOUTH OF KENNEDY AIRPORT	L20 UNK	1.0	0.0	0.0	0.0	0.0	0.0
3Z	535	82584					0 ISLAND HELIPORT	APT NVA	0.2	0.0	0.0	0.0	0.0	0.0
3Z	7042	112684					0 VIC HUDSON	NVA	0.0	0.0	0.0	3.0	0.0	0.0
3	7060	21684			33 05.9N	069 00.2W	250 VICINITY OF BERMUDA	G20 SVP	0.0	0.0	0.0	0.0	0.0	3.9
3	7072	30984	40-21.4N	070-38.3W	40-11.0N	070-29.0W	150 VIC LONG ISLAND	G20 OTV	0.0	0.0	1.7	0.0	0.0	0.0
3	7089	32984	38 52.5N	074 43.5W	40 55.0N	071 49.0W	10 SOUTH OF MONTAUIS POINT N.Y.	L20 FVC	50.0	32.8	39.7	2.9	233.9	35.2
3	7126	52984	38-00.0N	073-00.0W	40-04.2N	072-36.0W	60 OFF SHORE	G20 NVA	0.0	0.0	0.0	3.8	0.0	0.0
3	7130	60284	38 25.5N	070 18.9W	38 24.7N	070 24.8W	200	G20 SVP	0.0	0.0	0.0	5.4	0.0	49.0
3	7131	53184	37 27.3N	072 10.1W	37 05.0N	072 30.0W	170 OFF THE COAST OF N.J.	G20 SVP	0.0	0.0	5.6	0.0	5.5	70.7
3	7134	53184	33 31.0N	064 13.0W	33 34.2N	065 34.8W	140 VICINITY OF BERMUDA	G20 SVP	0.0	0.0	4.2	6.2	0.0	0.0
3	7149	61784	40 00.0N	072 45.9W	40 08.2N	072 48.7W	0	G20 FVC	0.0	0.0	0.0	1.2	0.0	0.0
3	7168	71484					0 IN THE AIR VIC CONEY ISL BCH	AIR ACF	0.6	0.0	0.0	1.2	0.0	0.0
3	7193	81684	39 30.0N	069 00.0W			60 N OF FLANN INTERSECTION	G20 UNK	0.0	0.0	0.0	3.5	0.0	0.0
3	7198	82084	40 30.0N	070 22.0W			125 E OF SAADI INTERSECTION	G20 UNK	0.0	0.0	0.0	1.5	0.0	0.0
3	7215	90984	38 30.0N	073 00.0W			50 VIC DELAWARE BAY	G20 UNK	0.0	0.0	0.0	2.3	0.0	0.0
3Z	9999	82784	31 14.0N	071 35.0W	40 05.2N	074 10.1W	0 OCEAN GATE YACHT CLUB	HBR SVP	0.0	0.0	0.0	0.0	0.0	0.0

3	99990	60784	40-25.0N	072-40.0W		0	UNK	UNK	0.5	0.0	0.0	0.0	0.0	0.0	
3	99991	52984	40 02.0N	072 47.0W	40 04.2N	072 46.6W	35	ENROUTE TO NEWPORT RI FROM ST	G20	SVP	0.0	1.6	0.0	0.0	0.0
3	99995	10384	40-44.7N	073-30.0W	40-52.2N	072-40.1W	0	VIC SUFFOLK COUNTY AIRPORT	NPT	NVA	0.8	0.0	0.0	0.0	0.0
SZ	13	100984					0	VIC CAPE LOOKOUT,NC	UNK		0.0	0.0	0.0	2.0	0.0
5	18	101284			33 50.1N	078 02.0W	0	MOUTH OF CAPE FEAR RIVER	WHY	OTV	0.0	0.0	0.0	2.5	0.0
5	37	102584	37 49.0N	075 02.0W			17	E OF CHINCOTEAGUE	L20	UNK	0.4	0.0	0.0	0.0	0.0
SZ	68	111584					0	ALLIGATOR RIVER	WHY	SVP	0.0	0.7	0.0	0.0	0.0
5	90	120784			37 47.0N	075 15.0W	9	E OF CHINCOTEAGUA	L20	FVC	0.0	3.4	0.0	0.0	0.0
SZ	102	121884					0	TIDEWATER AREA AIRPORT	APT	UNK	0.0	0.0	0.0	0.9	0.0
5	117	123184			38 42.2N	076 20.3W	0	STEWART'S FIELD,EASTON MD	LND	NVA	0.0	0.0	0.0	1.8	2.6
5	144	12784					0	VOC LANGLEY AFB	NPT	UNK	0.0	2.1	0.0	0.0	0.0
5	163	21684	31-56.7N	075-22.0W			0	EPIRB WASHED UP ON BEACH	L20	NVA	0.0	0.0	0.0	0.0	0.0
5	189	30884	32 54.6N	074 56.2W	32 30.1N	074 40.6W	155	SE OF CAPE JACKOUT NC	G20	SV	0.0	5.7	3.8	3.9	0.0
5	199	32284	39-01.7N	076-26.2W			0	USNA,ANNAPOLIS, MD BUILDING	LND	NVA	0.0	5.0	0.0	0.0	0.0
5	222	41484	36-04.7N	075-35.9W			0	FIRST FLIGHT APT, N.CAROLINA	APT	ACF	0.0	2.0	0.0	0.0	0.0
5	230	41984	36-45.3N	075-55.0W			0	VIC NORFOLK, VA	UNK	UNK	0.0	0.0	0.0	1.0	0.0
5	285	52484	32-44.6N	076-12.2W			111	SE OF CAPE FEAR, NC	G20	UNK	0.0	0.0	0.0	6.1	0.0
5	357	62984			37-39.0N	076-03.5W	0	VIC GWYNN ISLAND	OSH	SVP	0.0	0.0	0.0	0.0	0.0
5	423	73184	37-36.1N	076-14.1W			0	INLAND WATERWAY	WHY	ACF	0.0	0.7	0.0	0.0	0.0
SZ	444	81384					0	LOWER POTOMAC RIVER AREA	APT	NVA	0.0	0.0	0.0	3.5	0.0
5	446	81584	35 10.0N	073 45.0W			85	E OF CAPE HATTERAS,NC	G20	UNV	0.0	0.0	0.0	1.5	0.0
7	677	10784	27-47.0N	082-47.2W	27-48.0N	082-49.0W	0	PRIVATE PROPERTY SARASOTA	LND	NVA	0.0	0.0	0.0	0.0	0.0
7	835	21684	25-03.9N	077-28.1W			0	NASSAU	LND	UNK	0.0	0.0	0.0	0.0	0.0
7	854	21784	25-53.8N	080-12.2W			0	HOLLYWOOD, FLA AIRPORT	APT	UNK	0.0	0.0	0.0	0.0	0.0
7	903	22584	15-27.0N	076-24.0W			0	SOUTH OF JAMAICA	OSH	UNK	0.0	0.0	0.0	0.0	0.0
7	2108	10784	18-18.6N	064-13.6W			0	IN AIR E OF ST THOMAS APT	ATR	ACF	0.0	2.8	0.0	0.0	0.0
7	2275	11584	25-43.5N	080-13.6W	25-42.0N	080-16.0W	0	DINNER KEY, FLA	HBR	SVP	0.4	0.0	0.0	0.0	0.0
7	2363	12084					0	SARASOTA AIRPORT	APT	ACF	0.0	0.0	0.0	0.9	0.0
7	2507	12884	27-31.0N	080-41.0W	27-31.0N	080-41.0W	0	SW OF VERO BEACH	LND	ACF	3.7	0.0	0.0	0.0	0.0
7	2509	12984	26-35.0N	080-30.0W			0	BOCA RATON AIRPORT	APT	ACF	1.3	0.0	0.0	0.0	0.0
7	2565	13184					0	NEAR SARASOTA AIRPORT	NPT	UNK	0.0	1.0	0.0	0.0	0.0
7	2594	20184	26-40.0N	077-58.0W	26-40.0N	077-54.0W	0	GRAND BAHAMA ISLAND	ISL	ACF	0.0	0.0	0.0	0.0	0.0
7	2611	20184			25-08.8N	078-05.5W	0	HBR, ANDIOS ISLAND AREA	HBR	UNV	0.0	0.0	0.0	1.7	0.0
7	2677	20584	17-58.0N	067-14.3W	17-55.3N	067-03.0W	256	VIC LA PARGUERA HBR	NBR	SVP	0.0	2.3	0.0	0.0	0.0
7	2713	10684					0	VIC ST JOHNS & ST THOMAS	OSH	UNV	0.0	10.3	0.0	0.0	0.0
7	2744	21084	27-27.4N	084-51.4W			150	BOUND OF DSTS SEV & EIGHT	G20	UNK	0.0	0.0	2.0	0.0	0.0
7	2764	21184	25-58.0N	081-09.0W	26-01.0N	081-04.0W	0	PRIVATE AIRSTRIP	APT	ACF	1.4	0.0	0.0	0.0	0.0
7	2782	21184			20 25.5N	068 21.4W	120	OFF SHORE	G20	SVP	0.0	3.1	0.0	0.0	0.0
7	2856	21684	25-19.0N	080-56.0W			0	NR TADPO INTERSECTION	OSH	UNK	0.0	0.0	0.0	2.1	0.0
7	3007	22084					0	MIAMI INTL AIRPORT	APT	UNK	0.0	0.0	0.0	0.7	0.0
7	3013	21984	32-30.0N	078-00.0W			0		OSH	UNK	0.0	0.0	3.6	0.0	0.0
7	3101	22484					10	VIC MAYAGUES	L20	UNV	0.0	0.5	0.0	0.0	0.0
7	3115	22684					0	MIAMI AIRPORT	APT	ACF	0.0	0.0	0.0	0.1	0.0
7	3382	30784			28 33.0N	084 23.0W	86	WEST OF BAYPORT (FLORIDA)	G20	SVP	0.0	4.0	0.0	0.0	0.0
7	3419	31084	26-10.0N	072-05.0W	26-10.0N	072-01.0W	460	EAST OF MIAMI	G20	MVG	0.0	0.0	3.7	0.0	0.0
8	3	100384			29 40.5N	091 05.8W	0	1MI NORTH AMELIA BRIDGE	NBR	OTV	0.0	0.0	0.0	2.9	0.0
8	23	111284			22 56.3N	090 00.5W	80	S OF GRAND ISLE,LA	G20	NVA	0.0	0.0	0.0	1.5	0.0
8	29	102984			28 49.3N	089 59.4W	15	VIC OF LOOP	L20	MVG	0.0	0.0	0.0	4.7	0.0
8Z	31	112284					0	S OF INTRACOASTAL CITY	UNK		0.0	0.0	0.0	2.5	0.0
8	44	12984	25-30.1N	090-10.8W	25-25.0N	089-54.0W	0	OIL SLICK MID GULF MEXICO	OSH	NV	0.0	0.0	0.0	3.7	0.0
8	47	20884	28-59.1N	088-37.6W	28-51.2N	088-38.3W	0	NEAR SOUTHWEST PASS	OSH	MVG	0.0	0.0	0.0	1.9	0.0
8	52	112084	27 54.0N	097 08.0W	27 50.0N	097 11.0W	0	VIC OF CORPUS CHRISTI	LND	NVA	0.0	0.0	0.0	1.2	0.0
8	65	40584	30-19.4N	089-15.0W	27-48.4N	091-04.0W	0	CHAMPION SHIPYARDS	NBR	UNV	0.0	0.0	0.0	3.9	0.0
8	69	40484	28 18.0N	091 41.0W	27 49.1N	091 04.6W	150	OFF SHORE	G20	OTV	0.0	0.0	0.0	3.9	0.0
8	76	41684					0	SAUFLEY FIELD, PENSACOLA	APT	ACF	0.0	0.0	0.0	0.6	0.0
8	80	41784	28-15.0N	091-15.0W	22-22.8N	091-26.9W	60	S OF POINT AU FER ISLAND	G20	NVA	0.0	0.0	0.0	3.3	0.0
8	81	42084	28-44.0N	090-52.0W	28-48.6N	090-33.6W	18	S OF WHISKEY PASS	OSH	UNK	0.0	0.0	0.0	2.0	0.0
8	86	50584	28-55.0N	091-25.0W			90	S OF MORGAN CITY	G20	UNK	0.0	0.0	0.0	2.3	0.0
8	87	50684			28-25.2N	090-01.4W	35		G20	OTV	0.0	0.0	0.0	1.3	0.0
8	87	122584	27 55.0N	097 07.0W	28 01.0N	096 59.0W	0	VIC OF ROCKPORT,TX	HBR	UNV	0.8	0.0	0.0	0.0	0.0
8	91	51284	29-11.6N	092-31.9W			0	NR VERMILLON BLK AREA	OSH	UNK	0.0	0.0	0.0	2.4	0.0
8	92	51784	30-06.5N	087-52.2W	30-30.7N	088-20.0W	0	LAND SE OF MOBILE	LND	ACF	0.0	0.0	0.0	2.2	0.0
8	107	22284	28-00.0N	096-00.0W	28-25.5N	076-27.2W	30	SE OF PORT O'CONNOR TX	G20	MVC	0.0	0.0	0.0	1.0	0.0
8	107	60584	28-00.0N	096-00.0W	28-25.5N	096-27.2W	0	BAY NR DAUPHIN ISLAND	NBR	MVC	0.0	0.0	0.0	1.0	0.0
8	108	22384	29-43.8N	093-04.4W	29-48.0N	093-19.9W	10	VIC CAMERON SOUND	L20	UNK	0.0	0.0	0.0	2.3	0.0
8	113	11284	29-56.0N	090-08.0W			0	HARVEY LOCKS	WHY	UNK	0.0	0.7	0.0	0.5	0.0

BX	116	110984		30	23.6N	089	02.1W	0	VIC GULFPORT RESID. AREA	LND	NVA	0.8	0.0	0.0	0.0	0.0	0.0	
B	117	22884	28-09.0N	092-54.0W	29-36.2N	092-32.0W	80	OSH MARCH ISLAND	G20	MVC	0.0	0.0	0.0	1.3	0.0	0.0		
BZ	124	111084						0	GRAND ISLE, LA EXXON DOCK	HBR	MVP	0.0	0.0	0.0	0.0	1.2	0.0	
B	128	12884	29-60.0N	089-50.0W				0	NEW CANAL MARINA	HBR	UNV	0.5	0.0	0.0	0.0	0.0	0.0	
B	129	70384			30	31.5N	086	25.9W	0	LAND	LND	ACF	0.0	0.0	0.0	1.3	0.0	
B	130	70384	30-06.1N	086-20.1W				0	VIC ELGIN AFB	NPT	ACF	0.0	0.0	0.0	0.7	0.0	0.0	
B	137	71184	30-21.0N	088-34.0W				0	PASCAGONLA RIVER	WWY	UNK	0.0	0.0	0.0	2.3	0.0	0.0	
B	142	71984	28-56.8N	095-17.3W				0	W OF BRIDGE CRSNG RVR AT FREEP	WWY	MVC	0.0	0.0	0.0	0.2	0.0	0.0	
BX	146	21384	30	03.4N	089	58.5W		0	EAST OF NOLA	NVA	0.0	0.9	0.0	0.0	0.0	0.0	0.0	
B	155	32584			28-37.0N	094-36.0W		0	VIC BUCANEER RIGS	OSH	MVC	0.0	0.0	0.0	0.6	0.0	0.0	
B	178	30784	29-34.8N	089-24.3W				0	BRETON SOUND AREA	OSH	UNK	1.3	0.0	0.0	0.0	0.0	0.0	
B	190	31484	29-36.6N	090-42.3W	29-36.6W	090-42.3W		0	QUALITY SHIPYARDS, HOUMA, LA	HBR	UNK	0.0	0.0	0.0	0.3	0.0	0.0	
B	201	50284	29-10.0N	093-20.0W	29-08.8N	093-20.6W	35	S OF CAMERON, LA	G20	MVC	0.0	0.0	0.0	3.7	0.0	0.0		
B	214	40284			29-06.8N	088-51.8W		0	VIC LOUTRE PASS	WWY	MVC	0.0	1.4	0.0	0.0	0.0	0.0	
B	232	41784			29-11.5N	090-04.6W		0	VIC LEEVILLE	LND	ACF	0.0	0.5	0.0	0.0	0.0	0.0	
B	248	42784	28-58.5N	089-22.8W				20	SW OF VENICE	OSH	UNK	2.1	0.0	0.0	0.0	0.0	0.0	
B	250	60884	27-44.0N	096-28.0N	27-44.0N	096-26.6W	50	S OF PALACIOS, TX	G20	MVC	1.3	0.0	0.0	0.7	0.0	0.0		
B	268	51384	29-48.2N	090-53.3W	29-29.8N	091-07.0W		0	PHI FACILITY, MORGAN CITY	LND	ACF	0.0	0.0	0.0	0.3	0.0	0.0	
B	314	60484	29-17.2N	088-47.8W				15	ENE OF PASS A LOUTRE	L20	UNK	0.0	1.7	0.0	0.0	0.0	0.0	
B	318	12484	29	10.9N	088	54.1W	29	14.0N	089	14.0W	L20	ACF	0.0	2.5	0.0	0.0	0.0	
B	345	61984			29-41.6N	090-06.3W		0	VIC EXXON DOCK	HBR	UNK	0.3	0.0	0.0	0.0	0.0	0.0	
B	352	81784	28	33.4N	095	21.0W	28	57.2N	095	19.8W	L20	UNK	0.0	0.0	0.0	1.4	0.0	
B	360	62684	29-17.0N	089-55.0W				0	GRASS STRIP, GR TERRE ISLAND	ISL	ACF	0.0	0.0	0.0	0.0	0.0	0.0	
B	398	92384			27	06.5N	096	24.0W	60	SE OF CORPUS CHRISTI, TX	G20	ACF	0.0	0.0	0.0	2.3	0.0	
B	424	30684	28-40.3N	093-06.3W	28-40.4N	093-17.7W	70	SW OF CAMERON	G20	MVC	0.0	0.0	0.0	3.2	0.0	0.0		
B	428	30884	29-46.9N	093-10.7W				0	VIC EAST OF CAMERON	OSH	UNK	0.0	0.0	0.0	0.9	0.0	0.0	
B	429	30884	29-17.3N	092-26.9W				0	FRESH WATER BAYOU AREA	WWY	UNK	0.0	0.0	0.0	0.6	0.0	0.0	
BX	438	81984			30	13.5N	089	37.4W	0	BANK OF E PEARL RIVER	WWY	ACF	0.0	0.0	0.0	0.0	0.0	
B	462	31784	28-41.5N	093-11.6W				70	OSH W CAMERON	G20	UNK	0.0	0.0	0.0	0.0	0.0	0.0	
B	580	42784	28-40.9N	094-46.4W	28-57.0N	095-21.0W		0	AREA NR FREEPORT HARBOR	NBR	MVC	1.0	0.0	0.0	0.0	0.0	0.0	
B	606	50284	29-20.0N	094-45.0W	29-10.4N	093-29.4W		0	RIG VIC GALVESTON JETTIES	WWY	DTV	0.0	0.0	0.0	3.7	0.0	0.0	
B	615	50584	29-58.1N	089-58.2W				0	RES AREA NR INNER HBR NAV CNL	LND	NVA	0.0	0.3	0.0	0.0	0.0	0.0	
B	978	80484	29-16.8N	093-46.6W	29-15.1N	093-51.7W		0	SABINE, TX	LND	UNK	0.0	0.0	0.0	0.7	0.0	0.0	
B	1104	91584	28	30.6N	095	05.3W	30	VIC OF FORT OCONNOR	G20	UNK	2.2	0.0	0.0	0.0	0.0	0.0		
B	99980	71284	30-28.8N	086-39.0W				0	GARAGE	LND	NVA	0.0	0.0	0.0	0.0	0.0	0.0	
B	99981	62784	29-18.0W	089-55.0W				0	GRAND TERRE ISLAND	ISL	ACF	0.0	0.0	0.0	0.0	1.6	0.0	
9Z	131	111984						0	WINDSOR ONT	LND	NVA	1.7	0.0	0.0	0.0	0.0	0.0	
9Y	170	12784	41	45.0N	087	05.0W		0	LAKE MICHIGAN, CRESTWOOD AIRPOR	APT	ACF	0.0	0.0	0.0	0.0	0.0	0.0	
9	313	50384	44-26.0N	086-27.0W				0	NR FRANKFORT, MI AIRPORT	NVA	NVA	1.8	0.0	0.0	0.0	0.0	0.0	
9	335	51284	45-40.0N	084-57.0W				0	CHEBOGIPEN COUNTY AIRPORT	APT	ACF	0.0	0.0	0.0	0.0	0.0	0.0	
9	482	61084	41-39.0N	082-58.0W				0	WESTERN LAKE ERIR	WWY	UNK	1.9	0.0	0.0	0.0	0.0	0.0	
9	1257	92084	41	58.6N	087	25.3W		0	PALWAUKEE AIRPORT, CHICAGO, IL	APT	ACF	2.1	0.0	0.0	0.0	0.0	0.0	
11	10	40384			34	39.1N	120	40.9W	8	WEST OF POINT ARGUELLO	L20	FVC	0.0	0.0	0.0	0.0	0.0	
11	25	120484	32	46.0N	117	14.0W		0	VIC OF MISSION BAY	HBR	DTV	0.0	0.5	0.0	0.0	0.0	0.0	
11Z	27	110484						0	REDONDO BEACH KING HARBOR	HBR	FVC	1.3	0.0	0.0	0.0	0.0	0.0	
11Z	31	110884						0	VIC OF MARINA DEL REY	LND	NVA	0.8	0.0	0.0	0.0	0.0	0.0	
11	58	11284	33-16.0N	118-00.3W				0	VIC SAN PEDRO CHANNEL	WWY	NVA	1.5	0.0	0.0	0.0	0.0	0.0	
11	136	42684	34-14.2N	119-18.0W				0	NEAR VENTURA HARBOR	NBR	UNK	2.0	0.0	0.0	0.0	0.0	0.0	
11	204	80184	33-39.5N	117-58.2W				0	GARGAGE, NEWPORT BEACH	LND	NVA	0.0	0.0	0.0	0.0	0.0	0.0	
12	98	11584	37-49.4N	122-30.7W	37-55.4N	122-35.1W		0	RESIDENCE HILL VALLEY	LND	NVA	2.2	0.0	0.0	0.0	0.0	0.0	
12	102	31084						0	VIC TRAVIS AFB	NPT	UNK	0.7	0.0	0.0	0.0	0.0	0.0	
12Y	158	12984	37	53.8N	122	19.6W		0	CLIPPER YACHT HARBOR	HBR	UNV	0.0	0.0	0.0	0.0	0.0	0.0	
12	182	62084	37-49.1N	122-24.2W				0	CORINTHEAN YACHT CLUB	HBR	DTV	2.1	0.0	0.0	0.0	0.0	0.0	
12	183	22784	37-51.1N	122-10.7W				0	PACIFIC MARINA, ALAMEDA	HBR	UNV	2.5	0.0	0.0	0.0	0.0	0.0	
12	227	33084	35	14.0N	121	41.0W	35	42.8N	121	57.0W	50	SW OF MONTEREY	G20	SVP	0.0	0.0	4.9	0.0
12	259	42384						0	AREA N OF SAN FRANCISCO APT	NPT	UNK	0.5	0.0	0.0	0.0	0.0	0.0	
12	267	81184	36	39.6N	122	13.5W	36	34.0N	121	47.0W	0	N OF MONTEREY AIRPORT AREA	NPT	ACF	0.0	0.0	1.0	0.0
12	323	60684	41-16.5N	124-48.0W				33	NW OF TRINIDAD HEAD	G20	ACF	1.5	0.0	0.0	0.0	0.0	0.0	
12	336	92284	39	57.0N	125	42.0W	39	38.0N	125	29.0W	G20	SVP	0.0	0.0	0.0	2.1	0.0	
12	494	92284	39	58.4N	126	26.5W	39	28.0N	125	26.0W	80	ENROUTE TO SAN FRANCISCO	G20	SVP	0.0	0.0	13.6	0.0
13Z	36	121984						0	DIAMOND PT. AIRPORT	APT	NVA	1.7	0.0	0.0	0.0	0.0	0.0	
13Z	75	121984	43	24.0N	124	15.0W	43	24.5N	124	03.7W	LND	NVA	0.0	0.0	0.0	0.0	0.0	
13Z	87	122184	47	44.5N	122	21.7W		0	SEATTLE, HARBOR	HBR	FVC	0.0	0.0	0.0	0.0	0.0	0.0	
13Z	118	101884						0	BEACH IN ALKI	LND	NVA	0.0	0.0	0.0	0.0	0.6	0.0	
13	181	52784	46-03.7N	124-27.3W				0	COLUMBIA RIVER, MOORING BASIN	WWY	FVC	0.0	0.6	0.0	0.0	0.0	0.0	
13X	194	71484	48	04.0N	125	14.2W	48	05.2N	125	14.2W	0	FVC	0.0	0.0	0.0	0.0	0.0	

13Y99979	71884	44	23.0N	125	53.2W	0	HVG	0.0	0.0	0.0	0.0	0.0	0.0								
14Z	16	100884				0	NEAR KAMUELA AIRPORT	NPT	ACF	0.0	0.0	0.0	0.0	0.0	0.0						
14Z	59	110284				0	VIC HONOLULU INT AIRPORT	NPT	NVA	0.2	0.0	0.0	0.0	0.0	0.0						
14Z	78	111084				0	HONOLULU INT AIRPORT	APT	ACF	1.5	0.0	0.0	0.0	0.0	0.0						
14Z	95	112284				0	BETWEEN DAHU AND MOLOKAI	MVC		0.6	0.0	0.4	0.0	0.0	0.0						
14Z	104	112984				0	HANALET BAY,KAUAI	LND	NVA	2.8	0.0	1.3	0.0	0.0	0.0						
14Z	125	121084				0		NVA		0.8	0.0	0.0	0.0	0.0	0.0						
14Z	125	121084				0	HONOLULU AIRPORT,HANGAR	APT	NVA	0.7	0.0	0.0	0.0	0.0	0.0						
14	158	122984		21	54.0N	159	29.0W	0	KOLA AIRFIELD,KAUAI	APT	UNK	0.0	0.0	1.4	0.0	0.0	0.0				
14Z	160	123084				0	HONOLULU AIRPORT,RAMP	APT	UNK	0.7	0.0	0.0	0.0	0.0	0.0	0.0					
14	208	10984		20	22.0N	155	36.0W	15	NE OF UPOLU PT	L20	OTV	4.7	0.0	4.4	0.0	0.0	0.0				
14	214	11084				0	NAS, BARBER'S POINT	APT	ACF	0.3	0.0	0.0	0.0	0.0	0.0	0.0					
14	221	11284				5	S OF DIAMOND HEAD	L20	UNK	1.0	0.0	0.0	0.0	0.0	0.0	0.0					
14	231	11784		21-20.0N	157-51.0W	0	IN DUMPSTER VIC DIAMOND HEAD	LND	NVA	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
17	7	100884		56	31.0N	154	23.0W	0	VIC S.KODIAK ISLAND	WWY	ACF	0.0	0.0	2.0	0.0	0.0	0.0				
17	10	101684		59	49.6N	147	26.8W	59	58.0N	147	43.0W	0	AREA OF MONTEGUE ISLAND	ISL	ACF	0.0	0.0	2.2	0.0	0.0	0.0
17	31	112284		58	16.9N	157	33.8W	58	13.0N	155	45.0W	37	SE OF KING SALMON	ACF	ACF	0.0	3.7	2.3	0.0	0.0	0.0
17	132	72684		55	14.0N	130	26.0W	55	30.0N	131	36.0W	0	VICINITY OF ANNETE ISLAND	AIR	ACF	0.0	0.0	0.0	0.0	0.0	0.0
17	152	112384		60	55.0N	164	45.0W	0	NEWTOK AIRPORT	APT	ACF	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0		
17	170	91384		55	30.0N	132	15.0W	0	VIC KASAAN PENINSULA	WWY	UNK	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0		
17Z	208	81384				0	HOMER AIRPORT,RAMP AREA	APT	NVA	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0				
17Z	210	81484				0	PILLAR MTN RADIO	LND	NVA	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0				
17	214	121884		55	50.8N	132	04.3W	55	50.2N	132	18.3W	0	VICINITY OF ONSLOW	L20	FVC	0.0	0.0	0.0	0.0	0.0	0.0
17	238	12284		54	40.0N	139	20.0W	55	58.0N	136	25.1W	65	DEPARTED FROM SEATTLE(WA)	G20	FVC	0.0	0.0	0.0	0.0	0.0	0.0
17	256	90984		57	57.1N	155	03.9W	57	57.0N	155	08.0W	0	VIC OF HALLO BAY	LND	ACF	0.0	2.1	0.0	0.0	0.0	0.0
17	261	91084		60	11.3N	144	29.3W	0	VIC CAPE YAKATAGA	LND	ACF	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0		
17	341	32184		59	52.0N	147	27.0W	0	SE TIP OF MONTAGUE ISLAND	ISL	ACF	0.0	5.0	8.4	0.0	0.0	0.0	0.0	0.0		
17	373	40484		56-03.0N	160-12.0W	56-02.0N	160-16.0W	0	ALSKN PEN. VIC BEAR LAKE	LND	ACF	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0		
17	376	40884		58	43.0N	150	36.0W	0	VIC OF NUKA ISLAND	ISL	NVA	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0		
17	470	51784		58-07.1N	152-53.8W	58-13.2N		0	RASPBERRY ISLAND	ISL	ACF	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0		
17	572	53084		57-48.2N	152-35.4W			0	VIC KODIAK HARBOR	NBR	UNK	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0		
17	643	62384		51	37.0N	176	45.0W	51	34.5N	176	51.5W	0	CHAPEL COVE ON ADAK ISLAND	L20	OTV	0.0	0.0	3.7	0.0	0.0	0.0
17	646	62384		58-16.6N	157-25.9W	58-13.2N	157-23.8W	0	VIC EGEGIK	LND	ACF	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0		
17	675	63084		59-11.7N	136-21.2W	58-12.0N	136-22.0W	0	VIC ELGIN COVE	OSH	UNK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17	738	71284		60-32.0N	150-52.0W			0	NE OF SOLDOTNA AIRPORT	NPT	UNK	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0		
17	770	71984				0	SITKA AIRPORT	APT	ACF	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17	803	72584		59-26.0N	149-51.0W	59-39.0N	151-22.0W	0	VIC SOLDOTNA AIRPORT	NPT	UNK	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0		
17	808	72684		56-58.5N	154-15.9W			0	VIC AKHIOK VILLAGE	LND	ACF	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17	810	72784		57-32.2N	157-39.1W			0	VIC PILOT POINT	LND	ACF	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0		
17	917	81284		60	02.5N	148	25.9W	60	22.5N	148	15.0W	0	SE OF ANCHORAGE	LND	ACF	0.0	0.0	1.9	0.0	0.0	4.6
17	936	81584		58	14.4N	134	13.4W	0	DOUGLAS ISLAND SMI OF JUNEU	ISL	ACF	0.0	0.0	0.0	0.0	0.0	0.0	5.1			
17	956	81884		60	50.0N	147	17.0W	0	PRINCE WILLIAM SOUND	WWY	UNK	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0		
17	974	82184		61	33.0N	149	14.0W	0	VIC W.FORELAND BASILLA	LND	NVA	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0		
17	1013	82584		59	07.0N	154	14.0W	0	VIC OF KAMISHAK BAY	NBR	UNK	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0		
17Z	1021	82684				0	DUNCAN CANAL	WWY	NVA	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17	1039	82884		57	47.6N	156	46.6W	0	VIC UGASHIK AND BECHAROF LAKE	WWY	ACF	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0		
5	143	12585		32	45.1N	075	38.9W	32	43.9N	075	38.4W	150	S OF BEAUFORT,NC	G20	UNK	0.0	0.0	0.0	4.3	0.0	0.0
8	275	10285		29	15.6N	089	20.9W	0	VIC MAIN AND SOUTH PASS	WWY	NVA	9.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0		
8Z	314	11885				0	LAKEFRONT HANGAR	APT	NVA	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
8	319	11985		29	43.3N	095	16.0W	0	UPPER GALVESTON BAY	HBR	UNK	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
9	188	11985		42	23.0N	080	54.0W	15	MIDDLE LAKE ERIE	L20	UNK	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
12	115	10985		36	50.0N	121	55.0W	0	WATSONVILLE AIRPORT	APT	NVA	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
13	51	11785		45	26.4N	124	46.6W	45	41.2N	125	17.0W	10	WEST OF GATEWAY CEDER	L20	UNK	0.0	0.0	0.0	3.2	0.0	0.0
14Z	180	11185				0		UNK		0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14Z	222	12485				0	OFF SHORE NAVY EXERSISE	OSH	HVG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14Z	223	12585				0		UNK		0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14Z	231	12785				0		UNK		0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14Z	237	13085				0		UNK		0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17	246	11085		55	41.0N	158	15.0W	55	38.0N	158	30.0W	0	VIC OF CHIGNIK	NBR	NVA	0.0	0.0	7.0	0.0	0.0	0.0

OK,

SECTION 5.
LOCATION AND DETECTION PROBABILITY PROGRAMS

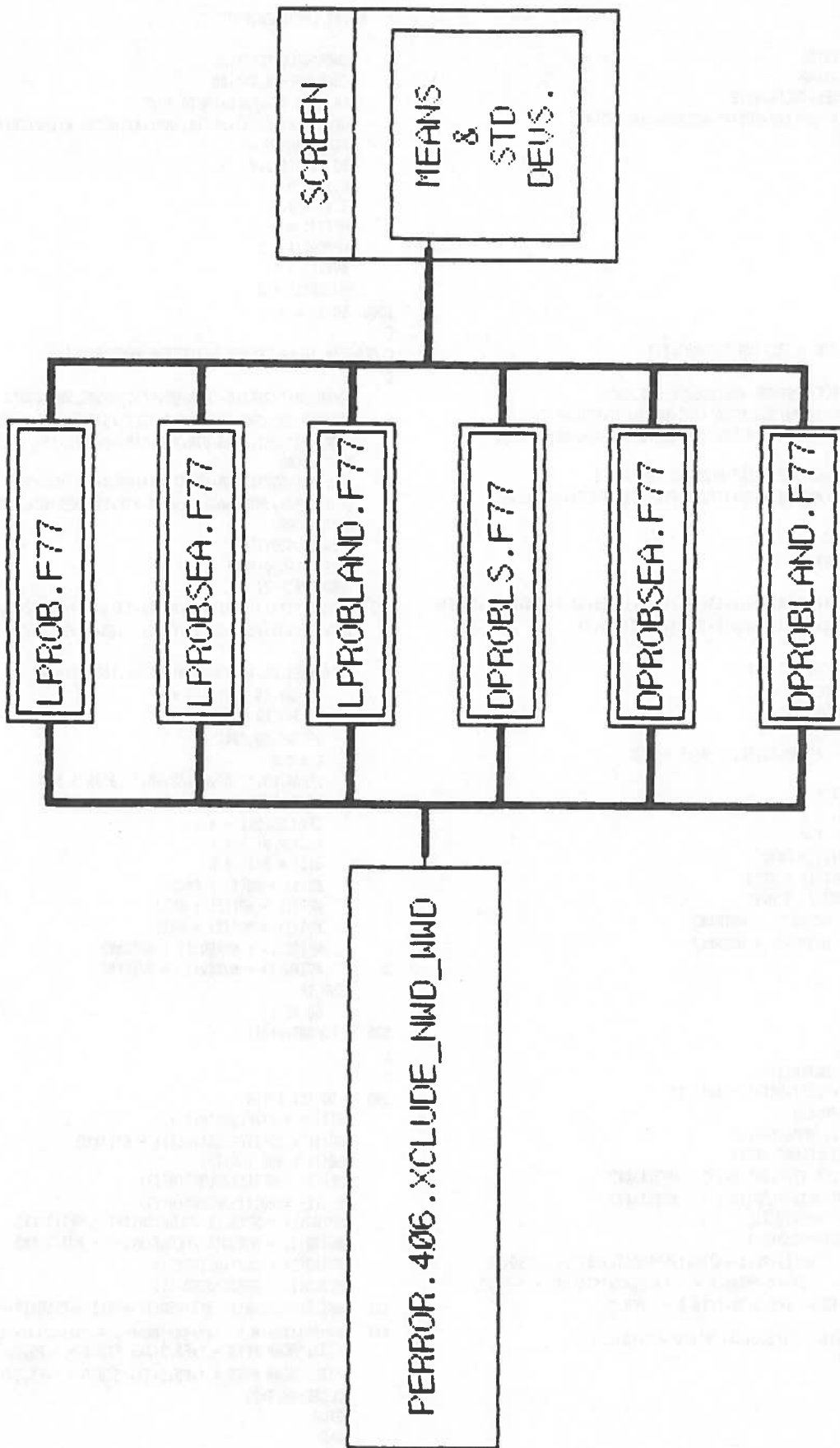


FIGURE 5-1. LOCATION AND DETECTION PROBABILITY PROGRAMS

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SLIST LPROB.F77
C
CHARACTER TEST#131
CHARACTER#3 SAT,AB
INTEGER DIR,PKEL,THETA,BVIS
REAL S(4),SQ(4),NPT(4),MVI(4),NPTSQ(4),MVISQ(4)
DIMENSION N(4)
DO 1000 I=1,4
  N(I) = 0
  S(I) = 0.
  NPT(I) = 0
  NPTSQ(I) = 0
  MVI(I) = 0
  MVISQ(I) = 0
1000 SQ(I) = 0.
C
C PROGRAM TO CALCULATE DETECTION PROBABILITY
C
OPEN(UNIT=7,FILE='PERROR.406.XCLUDE_NWD_WWD')
1 READ(7,507,END=100)IFREQ,NTEST,SAT,NORB,LUT,NEV,NPTS,
1JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
2MVIS,TCAR
C WRITE(1,507)IFREQ,NTEST,SAT,NORB,LUT,NEV,NPTS
C 1,JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
C 2MVIS,TCAR
C READ(7,520)TEST
C WRITE(1,520)TEST
C BACKSPACE(7)
507 FORMAT(1X,I3,2X,I4,6X,A3,I6,I3,I4,I4,3X,I2,I3,2X,I4,3X,F5.1,5X,I4,
13X,F7.1,3X,F5.1,A3,I6,F6.1,I6,I5,I6,I6,3X,F5.2)
C
IF(SAT.EQ.'C01') I = 1
IF(SAT.EQ.'C02') I = 2
IF(SAT.EQ.'S01') I = 3
R = 0.0
IF(AB.EQ.' A'.OR,AB.EQ.' B')R = 1.0
DO 5 J=1,2
  IF(J.EQ.2)I = 4
  N(I) = N(I) + 1
  S(I) = S(I) + R
  SQ(I) = SQ(I) + R**2
  NPT(I) = NPT(I) + NPTS
  MVI(I) = MVI(I) + MVIS
  NPTSQ(I) = NPTSQ(I) + NPTS**2
  MVISQ(I) = MVISQ(I) + MVIS**2
5 GO TO 1
520 FORMAT(A131)
C
C
100 DO 111 I=1,4
  S(I) = S(I)/FLOAT(N(I))
  SQ(I) = SQ(I)/FLOAT(N(I)) - S(I)**2
  SQ(I) = SQRT(SQ(I))
  NPT(I) = NPT(I)/FLOAT(N(I))
  MVI(I) = MVI(I)/FLOAT(N(I))
  NPTSQ(I) = NPTSQ(I)/FLOAT(N(I)) - NPT(I)**2
  MVISQ(I) = MVISQ(I)/FLOAT(N(I)) - MVI(I)**2
  NPTSQ(I) = SQRT(NPTSQ(I))
  MVISQ(I) = SQRT(MVISQ(I))
111 WRITE(1,611)N(I),S(I),SQ(I),NPT(I),NPTSQ(I),MVI(I),MVISQ(I)
611 FORMAT(1X,'N = ',I4,4X,'MEAN L = ',F4.2,4X,'STD DEV = ',F5.2,
!/13X,'MEAN NPTS = ',F5.2,3X,'STD D = ',F5.2,
2/13X,'MEAN MVIS = ',F5.2,3X,'STD D = ',F5.2/)
CLOSE(UNIT=7)
STOP
END
OK,

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SLIST LPROBSEA.F77
C
CHARACTER TEST#131
CHARACTER#3 SAT,AB
INTEGER DIR,PKEL,THETA,BVIS
REAL S(4),SQ(4),NPT(4),MVI(4),NPTSQ(4),MVISQ(4)
DIMENSION N(4)
DO 1000 I=1,4
  N(I) = 0
  S(I) = 0.
  NPT(I) = 0
  NPTSQ(I) = 0
  MVI(I) = 0
  MVISQ(I) = 0
1000 SQ(I) = 0.
C
C PROGRAM TO CALCULATE DETECTION PROBABILITY
C
OPEN(UNIT=7,FILE='PERROR.406.XCLUDE_NWD_WWD')
1 READ(7,507,END=100)IFREQ,NTEST,SAT,NORB,LUT,NEV,NPTS,
1JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
2MVIS,TCAR
C WRITE(1,507)IFREQ,NTEST,SAT,NORB,LUT,NEV,NPTS
C 1,JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
C 2MVIS,TCAR
C READ(7,520)TEST
C WRITE(1,520)TEST
C BACKSPACE(7)
507 FORMAT(1X,I3,2X,I4,6X,A3,I6,I3,I4,I4,3X,I2,I3,2X,I4,3X,F5.1,5X,I4,
13X,F7.1,3X,F5.1,A3,I6,F6.1,I6,I5,I6,I6,3X,F5.2)
C
IF(NTEST.GE.4000.AND,NTEST.LE.10000)THEN
  IF(SAT.EQ.'C01') I = 1
  IF(SAT.EQ.'C02') I = 2
  IF(SAT.EQ.'S01') I = 3
  R = 0.0
  IF(AB.EQ.' A'.OR,AB.EQ.' B')R = 1.0
  DO 5 J=1,2
    IF(J.EQ.2)I = 4
    N(I) = N(I) + 1
    S(I) = S(I) + R
    SQ(I) = SQ(I) + R**2
    NPT(I) = NPT(I) + NPTS
    MVI(I) = MVI(I) + MVIS
    NPTSQ(I) = NPTSQ(I) + NPTS**2
    MVISQ(I) = MVISQ(I) + MVIS**2
5 END IF
GO TO 1
520 FORMAT(A131)
C
C
100 DO 111 I=1,4
  S(I) = S(I)/FLOAT(N(I))
  SQ(I) = SQ(I)/FLOAT(N(I)) - S(I)**2
  SQ(I) = SQRT(SQ(I))
  NPT(I) = NPT(I)/FLOAT(N(I))
  MVI(I) = MVI(I)/FLOAT(N(I))
  NPTSQ(I) = NPTSQ(I)/FLOAT(N(I)) - NPT(I)**2
  MVISQ(I) = MVISQ(I)/FLOAT(N(I)) - MVI(I)**2
  NPTSQ(I) = SQRT(NPTSQ(I))
  MVISQ(I) = SQRT(MVISQ(I))
111 WRITE(1,611)N(I),S(I),SQ(I),NPT(I),NPTSQ(I),MVI(I),MVISQ(I)
611 FORMAT(1X,'N = ',I4,4X,'MEAN L = ',F4.2,4X,'STD DEV = ',F5.2,
!/13X,'MEAN NPTS = ',F5.2,3X,'STD D = ',F5.2,
2/13X,'MEAN MVIS = ',F5.2,3X,'STD D = ',F5.2/)
CLOSE(UNIT=7)
STOP
END
OK,

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SLIST LPROBLAND.F77

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C
CHARACTER TEST*131
CHARACTER*3 SAT,AB
INTEGER DIR,PKEL,THETA,BVIS
REAL S(4),SQ(4),NPT(4),MVI(4),NPTSQ(4),MVISQ(4)
DIMENSION N(4)
DO 1000 I=1,4
N(I) = 0
S(I) = 0.
NPT(I) = 0
NPTSQ(I) = 0
MVI(I) = 0
MVISQ(I) = 0
1000 SQ(I) = 0.
C
C PROGRAM TO CALCULATE DETECTION PROBABILITY
C
OPEN(UNIT=7,FILE='PERROR.406,XCLUDE_NWD_WWD')
1 READ(7,507,END=100)IFREQ,NTEST,SAT,NORR,LUT,NEV,NPTS,
1JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
2MVIS,TCAR
C WRITE(1,507)IFREQ,NTEST,SAT,NORR,LUT,NEV,NPTS
C 1,JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
C 2MVIS,TCAR
C READ(7,520)TEST
C WRITE(1,520)TEST
C BACKSPACE(7)
507 FORMAT(1X,I3,2X,I4,6X,A3,I6,I3,I4,I4,3X,I2,I3,2X,I4,3X,F5.1,5X,I4,
13X,F7.1,3X,F5.1,A3,I6,F6.1,I6,I5,I6,I6,3X,F5.2)
C
IF(NTEST.LT.4000.OR.NTEST.GE.10000)THEN
IF(SAT.EQ.'C01') I = 1
IF(SAT.EQ.'C02') I = 2
IF(SAT.EQ.'S01') I = 3
R = 0.0
IF(AB.EQ.' A'.OR.AB.EQ.' B')R = 1.0
DO 5 J=1,2
IF(J.EQ.2)I = 4
N(I) = N(I) + 1
S(I) = S(I) + R
SQ(I) = SQ(I) + R**2
NPT(I) = NPT(I) + NPTS
MVI(I) = MVI(I) + MVIS
NPTSQ(I) = NPTSQ(I) + NPTS**2
5 MVISQ(I) = MVISQ(I) + MVIS**2
END IF
GO TO 1
520 FORMAT(A131)
C
C
100 DO 111 I=1,4
S(I) = S(I)/FLOAT(N(I))
SQ(I) = SQ(I)/FLOAT(N(I)) - S(I)**2
SQ(I) = SQRT(SQ(I))
NPT(I) = NPT(I)/FLOAT(N(I))
MVI(I) = MVI(I)/FLOAT(N(I))
NPTSQ(I) = NPTSQ(I)/FLOAT(N(I)) - NPT(I)**2
MVISQ(I) = MVISQ(I)/FLOAT(N(I)) - MVI(I)**2
NPTSQ(I) = SQRT(NPTSQ(I))
MVISQ(I) = SQRT(MVISQ(I))
111 WRITE(1,611)N(I),S(I),SQ(I),NPT(I),NPTSQ(I),MVI(I),MVISQ(I)
611 FORMAT(1X,'N = ',I4,4X,'MEAN R = ',F4.2,4X,'STD DEV = ',F5.2,
!/13X,'MEAN NPTS = ',F5.2,3X,'STD D = ',F5.2,
2/13X,'MEAN MVIS = ',F5.2,3X,'STD D = ',F5.2/)
CLOSE(UNIT=7)
STOP
END

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OK,

SLIST DPROBLS.F77

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C
CHARACTER TEST*131
CHARACTER*3 SAT,AB
INTEGER DIR,PKEL,THETA,BVIS
REAL S(3),SQ(3),NPT(3),MVI(3),NPTSQ(3),MVISQ(3)
DIMENSION N(3)
DO 1000 I=1,3
N(I) = 0
S(I) = 0.
NPT(I) = 0
NPTSQ(I) = 0
MVI(I) = 0
MVISQ(I) = 0
1000 SQ(I) = 0.
C
C PROGRAM TO CALCULATE DETECTION PROBABILITY
C
OPEN(UNIT=7,FILE='PERROR.406,XCLUDE_NWD_WWD')
1 READ(7,507,END=100)IFREQ,NTEST,SAT,NORR,LUT,NEV,NPTS,
1JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
2MVIS,TCAR
C WRITE(1,507)IFREQ,NTEST,SAT,NORR,LUT,NEV,NPTS
C 1,JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
C 2MVIS,TCAR
C READ(7,520)TEST
C WRITE(1,520)TEST
C BACKSPACE(7)
507 FORMAT(1X,I3,2X,I4,6X,A3,I6,I3,I4,I4,3X,I2,I3,2X,I4,3X,F5.1,5X,I4,
13X,F7.1,3X,F5.1,A3,I6,F6.1,I6,I5,I6,I6,3X,F5.2)
C
IF(NPTS.GT.0.AND.MVIS.GT.0) THEN
C PRINT *,SAT,N(I),I
I = 2
IF(NTEST.LE.4000.OR.NTEST.GT.10000)I=1
R = FLOAT(NPTS)/FLOAT(MVIS)*5.0/6.0
N(I) = N(I) + 1
S(I) = S(I) + R
SQ(I) = SQ(I) + R**2
NPT(I) = NPT(I) + NPTS
MVI(I) = MVI(I) + MVIS
NPTSQ(I) = NPTSQ(I) + NPTS**2
MVISQ(I) = MVISQ(I) + MVIS**2
END IF
GO TO 1
520 FORMAT(A131)
C
C
100 DO 111 I=1,2
S(I) = S(I)/FLOAT(N(I))
SQ(I) = SQ(I)/FLOAT(N(I)) - S(I)**2
SQ(I) = SQRT(SQ(I))
NPT(I) = NPT(I)/FLOAT(N(I))
MVI(I) = MVI(I)/FLOAT(N(I))
NPTSQ(I) = NPTSQ(I)/FLOAT(N(I)) - NPT(I)**2
MVISQ(I) = MVISQ(I)/FLOAT(N(I)) - MVI(I)**2
NPTSQ(I) = SQRT(NPTSQ(I))
MVISQ(I) = SQRT(MVISQ(I))
111 WRITE(1,611)N(I),S(I),SQ(I),NPT(I),NPTSQ(I),MVI(I),MVISQ(I)
611 FORMAT(1X,'N = ',I4,4X,'MEAN R = ',F4.2,4X,'STD DEV = ',F5.2,
!/13X,'MEAN NPTS = ',F5.2,3X,'STD D = ',F5.2,
2/13X,'MEAN MVIS = ',F5.2,3X,'STD D = ',F5.2/)
CLOSE(UNIT=7)
STOP
END

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SLIST DPROBSEA.F77

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C
CHARACTER TEST*131
CHARACTER*3 SAT,AB
INTEGER DIR,PKEL,THETA,BVIS
REAL S(3),SQ(3),NPT(3),MVI(3),NPTSQ(3),MVISQ(3)
DIMENSION N(3)
DO 1000 I=1,3
  N(I) = 0
  S(I) = 0.
  NPT(I) = 0
  NPTSQ(I) = 0
  MVI(I) = 0
  MVISQ(I) = 0
1000 SQ(I) = 0.
C
C PROGRAM TO CALCULATE DETECTION PROBABILITY
C
OPEN(UNIT=7,FILE='PERFOR.406.XCLUDE_NWD_WWD')
1 READ(7,507,END=100)IFREQ,NTEST,SAT,NORB,LUT,NEV,NPTS,
1JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
2MVIS,TCAR
C WRITE(1,507)IFREQ,NTEST,SAT,NORB,LUT,NEV,NPTS
C 1,JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
C 2MVIS,TCAR
C READ(7,520)TEST
C WRITE(1,520)TEST
C BACKSPACE(7)
507 FORMAT(1X,I3,2X,I4,6X,A3,I6,I3,I4,I4,3X,I2,I3,2X,I4,3X,F5.1,5X,I4,
13X,F7.1,3X,F5.1,A3,I6,F6.1,I6,I5,I6,I6,3X,F5.2)
C
IF(NPTS.GT.0.AND.MVIS.GT.0) THEN
IF(NTEST.GE.4000.AND.NTEST.LE.10000)THEN
  IF(SAT.EQ.'C01') I = 1
  IF(SAT.EQ.'C02') I = 2
  IF(SAT.EQ.'S01') I = 3
  R = FLOAT(NPTS)/FLOAT(MVIS)*5.0/6.0
  N(I) = N(I) + 1
  S(I) = S(I) + R
  SQ(I) = SQ(I) + R**2
  NPT(I) = NPT(I) + NPTS
  MVI(I) = MVI(I) + MVIS
  NPTSQ(I) = NPTSQ(I) + NPTS**2
  MVISQ(I) = MVISQ(I) + MVIS**2
END IF
END IF
  GO TO 1
520 FORMAT(A131)
C
C
100 DO 111 I=1,3
  S(I) = S(I)/FLOAT(N(I))
  SQ(I) = SQ(I)/FLOAT(N(I)) - S(I)**2
  SQ(I) = SQRT(SQ(I))
  NPT(I) = NPT(I)/FLOAT(N(I))
  MVI(I) = MVI(I)/FLOAT(N(I))
  NPTSQ(I) = NPTSQ(I)/FLOAT(N(I)) - NPT(I)**2
  MVISQ(I) = MVISQ(I)/FLOAT(N(I)) - MVI(I)**2
  NPTSQ(I) = SQRT(NPTSQ(I))
  MVISQ(I) = SQRT(MVISQ(I))
111 WRITE(1,611)N(I),S(I),SQ(I),NPT(I),NPTSQ(I),MVI(I),MVISQ(I)
611 FORMAT(1X,'N = ',I4,4X,'MEAN R = ',F4.2,4X,'STD DEV = ',F5.2,
1/13X,'MEAN NPTS = ',F5.2,3X,'STD D = ',F5.2,
2/13X,'MEAN MVIS = ',F5.2,3X,'STD D = ',F5.2/)
CLOSE(UNIT=7)
STOP
END
OK,

```

SLIST DPROBLAND.F77

```

C
CHARACTER TEST*131
CHARACTER*3 SAT,AB
INTEGER DIR,PKEL,THETA,BVIS
REAL S(3),SQ(3),NPT(3),MVI(3),NPTSQ(3),MVISQ(3)
DIMENSION N(3)
DO 1000 I=1,3
  N(I) = 0
  S(I) = 0.
  NPT(I) = 0
  NPTSQ(I) = 0
  MVI(I) = 0
  MVISQ(I) = 0
1000 SQ(I) = 0.
C
C PROGRAM TO CALCULATE DETECTION PROBABILITY
C
OPEN(UNIT=7,FILE='PERFOR.406.XCLUDE_NWD_WWD')
1 READ(7,507,END=100)IFREQ,NTEST,SAT,NORB,LUT,NEV,NPTS,
1JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
2MVIS,TCAR
C WRITE(1,507)IFREQ,NTEST,SAT,NORB,LUT,NEV,NPTS
C 1,JYR,JDAY,JMT,EMAG,DIR,XTR,YTR,AB,PKEL,CTA,THETA,BVIS,LVIS,
C 2MVIS,TCAR
C READ(7,520)TEST
C WRITE(1,520)TEST
C BACKSPACE(7)
507 FORMAT(1X,I3,2X,I4,6X,A3,I6,I3,I4,I4,3X,I2,I3,2X,I4,3X,F5.1,5X,I4,
13X,F7.1,3X,F5.1,A3,I6,F6.1,I6,I5,I6,I6,3X,F5.2)
C
IF(NPTS.GT.0.AND.MVIS.GT.0) THEN
IF(NTEST.LE.4000.OR.NTEST.GT.10000)THEN
  IF(SAT.EQ.'C01') I = 1
  IF(SAT.EQ.'C02') I = 2
  IF(SAT.EQ.'S01') I = 3
  R = FLOAT(NPTS)/FLOAT(MVIS)*5.0/6.0
  N(I) = N(I) + 1
  S(I) = S(I) + R
  SQ(I) = SQ(I) + R**2
  NPT(I) = NPT(I) + NPTS
  MVI(I) = MVI(I) + MVIS
  NPTSQ(I) = NPTSQ(I) + NPTS**2
  MVISQ(I) = MVISQ(I) + MVIS**2
END IF
END IF
  GO TO 1
520 FORMAT(A131)
C
C
100 DO 111 I=1,3
  S(I) = S(I)/FLOAT(N(I))
  SQ(I) = SQ(I)/FLOAT(N(I)) - S(I)**2
  SQ(I) = SQRT(SQ(I))
  NPT(I) = NPT(I)/FLOAT(N(I))
  MVI(I) = MVI(I)/FLOAT(N(I))
  NPTSQ(I) = NPTSQ(I)/FLOAT(N(I)) - NPT(I)**2
  MVISQ(I) = MVISQ(I)/FLOAT(N(I)) - MVI(I)**2
  NPTSQ(I) = SQRT(NPTSQ(I))
  MVISQ(I) = SQRT(MVISQ(I))
111 WRITE(1,611)N(I),S(I),SQ(I),NPT(I),NPTSQ(I),MVI(I),MVISQ(I)
611 FORMAT(1X,'N = ',I4,4X,'MEAN R = ',F4.2,4X,'STD DEV = ',F5.2,
1/13X,'MEAN NPTS = ',F5.2,3X,'STD D = ',F5.2,
2/13X,'MEAN MVIS = ',F5.2,3X,'STD D = ',F5.2/)
CLOSE(UNIT=7)
STOP
END
OK,

```

SLIST PERROR.406.XCLUDE_HWD_HWD

406	1002	0	C01	2962	4	1	9	83032	1329	4.4	-148	3.0	3.3	A	19	-16.4	169	9	14	9	0.11
406	1004	0	C01	2963	4	13	0	0	0	3.7	130	-2.4	2.8	A	69	2.7	170	13	18	13	0.23
406	1004	0	C01	2963	1	12	6	83032	1515	5.3	95	-5.1	1.4	A	69	2.7	170	13	17	13	0.23
406	1006	0	C01	2964	1									C	9	22.1	169	13	17	13	1.11
406	1012	0	C01	2976	1	8	10	83033	1404	0.4	143	-0.2	0.3	A	39	-9.0	169	12	12	11	0.27
406	1012	0	C01	2976	4	11	13	83033	1410	0.5	156	-0.1	0.5	A	39	-9.0	169	12	16	12	0.33
406	1014	0	C01	2977	1	17	8	83033	1550	0.8	105	-0.7	0.3	A	33	10.5	170	12	18	12	0.17
406	1014	0	C01	2977	4	18	8	83033	1550	0.7	-138	0.5	0.4	A	33	10.5	170	12	18	12	0.17
406	1018	0	C01	2984	1									C	81	0.4	9	13	16	13	0.23
406	1020	0	C01	2985	1									C	15	-18.4	9	7	18	7	0.43
406	1024	0	C01	2990	1	12	10	83034	1440	5.0	-163	2.2	4.5	A	79	-1.4	170	13	16	13	0.23
406	1024	0	C01	2990	1	13	13	83034	1440	7.1	-143	5.1	4.9	A	79	-1.4	170	13	16	13	0.23
406	1026	0	C01	2991	1	18	7	83034	1625	0.5	114	-0.4	0.3	A	15	18.2	170	7	18	7	0.14
406	1026	0	C01	2991	2	18	7	83034	1625	1.4	-155	0.8	1.2	A	15	18.2	170	7	13	7	0.14
406	1101	0	C02	1887	1	16	13	83221	1235	6.4	85	6.2	1.5	A	54	5.3	9	13	18	13	0.23
406	1103	0	C02	1893	1	8	13	83221	2332	1.9	-129	1.7	0.9	A	63	3.8	170	13	17	13	0.23
406	1104	0	S01	1910	1	16	13	83222	13	0.6	-20	-0.1	0.6	A	43	5.4	-11	10	14	10	0.20
406	1105	0	C02	1901	1	6	9	83222	1304	2.3	67	2.0	1.2	A	29	11.6	9	11	18	11	0.09
406	1106	0	S01	1918	1	8	14	83222	1409	0.2	-124	0.1	0.1	A	14	14.3	-166	8	15	8	0.00
406	2002	0	C01	3059	1									C	10	21.6	170	3	18	3	1.00
406	2004	0	C01	3060	1	9	5	83039	1736	1.4	-111	1.4	0.3	A	76	1.9	170	13	11	11	0.09
406	2004	0	C01	3060	2	10	8	83039	1736	1.4	173	0.1	1.4	A	76	1.9	170	13	18	13	0.23
406	2006	0	C01	3061	2	7	11	83039	1921	0.6	-167	0.2	0.6	A	14	19.2	170	6	14	6	0.33
406	2008	0	C01	3067	1	4	11	83040	523	3.0	14	0.3	3.0	A	28	12.2	8	11	16	11	0.09
406	2012	0	C01	3073	1	8	8	83040	1625	1.1	171	0.0	1.1	A	24	13.9	170	11	17	11	0.27
406	2014	0	C01	3074	2	5	5	83040	1811	2.1	-145	1.4	1.5	A	48	6.7	170	13	17	13	0.23
406	2016	0	C01	3081	1	2	7	83041	558	8.7	161	4.0	-7.7	B	63	3.9	8	13	14	11	0.27
406	2016	0	C01	3081	2	3	10	83041	558	21.0	119	19.6	-7.5	B	63	3.9	8	13	18	13	0.08
406	2020	0	C01	3087	1	6	10	83041	1701	0.9	-131	0.8	0.5	A	52	5.9	170	12	14	12	0.17
406	2020	0	C01	3087	2	8	10	83041	1701	1.9	-173	0.5	1.9	A	52	5.9	170	12	18	12	0.17
406	2022	0	C01	3088	2	5	11	83041	1846	2.2	-152	1.3	1.7	A	21	15.0	170	9	16	9	0.33
406	2024	0	C01	3094	1	10	6	83042	448	3.5	-34	-2.4	2.5	A	18	16.5	8	8	17	8	0.25
406	2024	0	C01	3094	2	10	7	83042	448	3.0	-27	-1.8	2.4	A	18	16.5	8	8	16	8	0.25
406	2101	0	C02	1984	2	5	9	83228	1407	0.7	166	0.3	-0.7	A	46	7.1	8	12	18	12	0.17
406	2102	0	S01	2004	2	12	14	83228	1524	1.3	-57	1.2	-0.5	A	26	9.5	-169	9	15	9	0.11
406	2103	0	S01	2005	2	6	15	83228	1704	0.2	4	0.0	-0.2	A	25	9.8	-168	10	14	10	0.20
406	2104	0	C02	1990	2	2	13	83229	106	3.3	-69	2.9	-1.7	A	36	9.5	170	12	18	12	0.33
406	2105	0	S01	2011	2									C	38	6.4	-11	10	15	10	0.20
406	2106	0	S01	2012	2									C	16	13.2	-10	9	14	8	0.25
406	2107	0	C02	1997	2	11	5	83229	1251	0.7	-148	-0.3	-0.7	A	11	20.8	8	4	14	4	0.50
406	2108	0	C02	1998	2	5	9	83229	1435	8.2	-96	-7.9	-2.2	A	86	0.5	8	13	18	13	0.08
406	2109	0	S01	2019	2	3	14	83229	1642	1.7	49	-1.0	-1.3	A	41	5.9	-168	11	15	11	0.09
406	2111	0	S01	2025	2	19	13	83230	222	2.3	114	1.8	-1.3	A	23	10.4	-11	9	14	9	0.33
406	2112	0	C02	2005	2	3	11	83230	320	1.0	46	-0.8	-0.6	A	15	18.1	170	8	14	8	0.25
406	2113	0	S01	2026	2									C	28	8.9	-10	10	15	10	0.20
406	2114	0	C02	2011	2	10	6	83230	1319	1.8	-165	-0.2	-1.8	A	23	13.9	8	10	16	10	0.20
406	2115	0	C02	2012	2	4	8	83230	1504	1.5	179	0.2	-1.5	A	46	6.9	8	12	18	12	0.17
406	2116	0	S01	2033	2	7	18	83230	1621	2.8	67	-2.3	-1.6	A	70	1.9	-168	11	15	11	0.09
406	3002	0	C01	3156	2	6	7	83046	1804	4.7	122	-3.2	3.4	A	62	4.0	165	13	16	9	0.78
406	3002	0	C01	3156	3	3	15	83046	1950	2.9	80	-2.9	0.2	A	62	4.0	165	13	18	13	0.23
406	3004	0	C01	3157	3	3	15	83046	1950	2.9	80	-2.9	0.2	A	35	10.0	166	11	17	11	0.27
406	3006	0	C01	3163	2	5	7	83047	604	5.8	180	1.3	-5.6	A	20	15.7	13	9	18	8	0.00
406	3008	0	C01	3164	3									C	78	1.6	12	13	18	13	0.23
406	3012	0	C01	3166	3									C	10	21.5	23	3	13	3	1.00
406	3014	0	C01	3168	4	19	10	83047	1504	6.8	156	0.7	6.7	A	10	21.5	150	3	16	3	7.00
406	3018	0	C01	3170	2	1	0	83047	1840	32.2	80	-32.1	2.4	B	77	1.7	166	13	12	7	1.29
406	3018	0	C01	3170	3	3	10	83047	1840	18.8	102	-16.8	8.4	A	77	1.7	166	13	19	13	0.23
406	3024	0	C01	3178	3	17	6	83048	824	10.6	-77	-10.6	-0.1	A	63	3.9	12	13	18	13	0.23
406	3028	0	C01	3182	3	16	7	83048	1541	3.0	-76	2.5	-1.6	A	15	18.2	160	8	15	8	0.25
406	3034	0	C01	3185	3									C	11	20.9	165	4	13	4	1.00
406	3034	0	C01	3185	3									C	11	20.9	165	4	13	4	1.00
406	3036	0	C01	3190	3	8	4	83049	529	1.0	177	0.3	-1.0	A	15	18.4	12	7	14	7	0.43
406	3101	0	C02	2067	3									C	40	8.5	12	12	17	12	0.33
406	3102	0	C02	2068	3									C	54	5.4	13	13	18	13	0.23

406	3103	0	S01	2091	3	5	9	83234	1811	1.0	-54	1.0	-0.3	A	54	3.8	-163	11	15	11	0.09
406	3105	0	S01	2092	3	4	13	83234	1951	0.4	133	-0.4	0.2	A	28	8.7	-160	10	14	10	0.20
406	3106	0	C02	2072	3									C	16	17.3	160	9	15	9	0.33
406	3107	0	C02	2073	3									C	53	5.5	165	12	18	12	0.17
406	3108	0	C02	2074	3									C	41	8.3	166	12	17	12	0.33
406	3109	0	S01	2098	3	4	16	83235	542	0.5	-128	-0.4	-0.2	A	34	7.1	-15	11	15	11	0.09
406	3110	0	C02	2080	3	3	15	83235	1402	1.8	-132	-1.0	-1.5	A	16	17.7	12	8	14	8	0.25
406	3111	0	C02	2081	3	2	4	83235	1546	24.5	109	24.3	-3.1	A	63	3.8	12	13	18	13	0.23
406	3115	0	C02	2086	3	5	16	83236	48	2.6	-154	1.8	1.8	A	24	13.7	161	11	17	11	0.27
406	3116	0	C02	2087	3	4	8	83236	234	15.1	79	-15.0	1.1	B	78	1.5	165	13	18	13	0.23
406	3118	0	S01	2112	3	3	13	83236	520	0.7	-124	-0.7	-0.2	A	56	4.3	-15	11	15	11	0.09
406	3119	0	C02	2094	3	4	14	83236	1430	0.5	-173	0.1	-0.5	A	25	13.1	13	11	16	11	0.27
406	3120	0	C02	2095	3	3	17	83236	1615	6.0	102	6.0	-0.0	B	83	0.9	12	13	18	13	0.08
406	3121	0	S01	2119	3	4	11	83236	1728	7.7	-89	7.5	2.1	A	26	9.4	-163	10	15	10	0.20
406	3122	0	S01	2120	3	4	11	83236	1908	1.4	51	-0.8	-1.2	A	55	3.7	-161	10	15	10	0.20
406	3123	0	S01	2121	3	2	8	83236	2047	0.6	98	-0.6	-0.1	A	13	14.6	-157	7	13	7	0.14
406	3124	0	C02	2099	3	2	9	83236	2329	3.9	11	-2.2	-3.2	A	12	20.3	156	5	15	5	0.60
406	3126	0	S01	2125	3	6	6	83237	319	0.7	133	0.3	-0.6	A	23	10.5	-18	9	14	9	0.11
406	4002	7	C01	2962	4	2	5	83032	1329	2.3	164	-0.2	2.3	A	18	16.9	170	9	12	9	0.33
406	4004	7	C01	2963	4	11	0	0	0	6.7	-104	6.7	0.6	A	70	2.8	170	13	18	13	0.23
406	4004	7	C01	2963	1	11	12	83032	1516	5.0	-84	4.8	-1.3	B	70	2.8	170	13	17	13	0.23
406	4006	3	C01	2976	1	9	7	83033	1405	1.2	-145	0.8	0.9	A	37	9.3	170	12	12	11	0.09
406	4006	3	C01	2976	4	12	10	83033	1405	1.4	-157	0.7	1.2	A	37	9.3	170	12	16	12	0.17
406	4008	3	C01	2984	1	45	4	83033	1545	13.7	132	-8.5	10.7	A	32	10.8	170	11	18	11	0.27
406	4008	3	C01	2984	4	45	4	83033	1545	13.7	132	-8.5	10.7	A	32	10.8	170	11	18	11	0.27
406	4008	3	C01	2977	1	19	4	83033	1551	11.5	105	-10.5	4.8	A	32	10.9	170	11	18	11	0.27
406	4012	17	C01	2990	1	14	8	83034	1440	10.6	83	-10.5	0.5	B	78	1.5	170	13	16	13	0.23
406	4012	17	C01	2990	4	14	10	83034	1440	5.1	-106	5.0	0.6	B	78	1.5	170	13	18	13	0.23
406	4014	17	C01	2991	2	20	7	83034	1626	2.7	133	-1.6	2.2	B	14	18.8	170	7	13	7	0.43
406	4014	17	C01	2991	1	19	8	83034	1626	7.2	164	-0.8	7.1	A	14	18.8	170	7	18	7	0.43
406	4016	9	C01	3003	1	2	7	83035	1329	4.6	122	-3.4	3.1	A	26	13.2	169	11	8	8	0.00
406	4016	9	C01	3003	4	2	16	83035	1329	4.2	25	-2.5	-3.4	B	26	13.2	169	11	15	11	0.27
406	4018	11	C01	3004	4	4	11	83035	1516	3.9	-141	2.9	2.6	B	48	6.7	170	12	18	12	0.33
406	4018	11	C01	3004	1	23	12	83035	1516	1.6	-157	0.8	1.4	B	48	6.7	170	12	17	12	0.33
406	4020	11	C01	3017	1	6	11	83036	1405	0.7	32	-0.5	-0.5	B	54	5.5	170	13	13	12	0.17
406	4024	7	C01	3030	4	2	9	83037	1253	1.2	139	-0.6	1.0	A	17	17.1	169	9	12	9	0.33
406	4026	7	C01	3031	1									C	72	2.6	170	13	17	13	0.23
406	4032	10	C01	3057	4	3	4	83039	1217	14.0	17	-6.6	-12.3	A	11	20.9	169	5	10	5	0.60
406	4034	10	C01	3058	4	3	5	83039	1405	12.1	-134	9.9	6.9	A	77	1.8	170	13	18	13	0.23
406	4038	11	C01	3071	1									C	25	13.5	170	11	8	8	0.00
406	4040	11	C01	3072	1	24	4	83040	1440	9.4	-46	5.7	-7.4	B	49	6.4	170	13	17	13	0.23
406	4042	7	C01	3085	1	8	10	83041	1329	7.7	-112	7.5	1.7	B	53	5.8	170	13	13	12	0.17
406	4042	7	C01	3085	4	2	13	83041	1329	3.4	-117	3.3	1.1	B	53	5.8	170	13	17	13	0.23
406	4044	6	C01	3086	4	4	5	83041	1515	16.7	98	-15.9	5.1	B	23	14.4	170	9	18	9	0.33
406	4044	6	C01	3086	1	15	6	83041	1515	18.4	93	-17.9	4.2	B	23	14.4	170	9	18	9	0.33
406	4046	4	C01	3089	4	2	6	83042	1218	1.1	52	-1.0	-0.5	A	17	17.3	169	8	12	8	0.25
406	4048	5	C01	3099	1	14	13	83042	1404	2.1	27	-1.3	-1.7	B	73	2.3	170	13	17	13	0.23
406	4048	5	C01	3099	4	2	14	83042	1404	3.3	-4	-0.3	-3.3	B	73	2.3	170	13	18	13	0.23
406	4048	5	C01	3127	1	13	6	83044	1514	2.7	-178	0.5	2.7	A	73	2.3	170	13	17	13	0.23
406	4052	23	C01	3112	1	7	8	83043	1253	3.6	151	-1.2	3.5	B	36	9.7	170	12	11	10	0.00
406	4052	23	C01	3112	4	1	9	83043	1253	3.6	118	-2.8	2.2	B	36	9.7	170	12	16	12	0.17
406	4056	5	C01	3126	1	15	10	83044	1329	0.9	170	0.0	0.9	A	75	2.0	170	13	16	13	0.23
406	4058	6	C01	3127	1	13	6	83044	1514	2.7	-178	0.5	2.7	A	15	18.3	170	7	18	7	0.43
406	4060	2	C01	3139	4	3	7	83045	1218	1.6	111	-1.4	0.9	A	24	13.7	169	11	15	11	0.27
406	4062	2	C01	3140	1	8	5	83045	1404	2.5	-130	2.1	1.3	A	51	6.1	170	13	17	13	0.23
406	4064	6	C01	3153	1									C	51	6.0	170	13	13	12	0.17
406	4066	6	C01	3154	1									C	23	14.1	170	10	18	10	0.40
406	4072	6	C01	3180	1									C	35	10.0	170	12	11	10	0.00
406	4074	6	C01	3181	1									C	35	10.0	170	11	19	11	0.27
406	4076	8	C01	3194	4	2	8	83049	1253	1.9	48	-1.6	-1.0	A	74	2.3	170	13	17	13	0.23
406	4076	8	C01	3194	1	12	8	83049	1253	2.1	25	-1.2	-1.7	A	74	2.3	170	13	15	13	0.23
406	4078	10	C01	3195	1									C	16	18.0	170	7	18	7	0.43
406	4080	15	C01	3208	1									C	52	5.9	170	13	17	13	0.23
406	4082	12	C01	3221	4	3	6	83051	1218	0.7	53	-0.6	-0.3	A	50	6.3	170	13	17	13	0.23
406	4082	12	C01	3221	1	8	8	83051	1218	0.7	6	-0.2	-0.7	A	50	6.3	170	13	13	12	0.17
406	4086	6	C01	3235	1	15	4	83052	1253	13.0	-96	13.0	-0.6	A	77	1.8	170	13	17	13	0.23

406	4086	6	C01	3235	4	2	5	83052	1253	16.7	-97	16.7	-0.4	A	77	1.8	170	13	18	13	0.23
406	4088	6	C01	3236	1									C	10	21.8	170	2	18	2	1.00
406	4090	4	C01	3249	1									C	36	9.8	170	12	18	12	0.33
406	4092	4	C01	3262	1									C	72	2.5	170	13	15	13	0.23
406	4094	6	C01	3263	1									C	16	17.7	170	7	18	7	0.43
406	4096	15	C01	3276	1									C	53	5.6	170	13	17	13	0.23
406	4098	3	C01	3290	1									C	25	13.6	170	10	18	10	0.40
406	4100	30	C01	3304	4	17	4	83057	1217	546.2	-89	537.6	-96.6	C	78	1.6	170	13	18	13	0.23
406	4104	6	C01	3317	4	2	5	83058	1252	8.5	-96	8.5	-0.5	B	37	9.5	170	12	18	12	0.33
406	4106	2	C01	3331	4	3	7	83059	1327	10.2	-157	5.5	8.6	A	17	17.5	170	7	16	7	0.43
406	4106	2	C01	3331	1	5	7	83059	1327	7.7	-157	4.1	6.5	A	17	17.5	170	7	18	7	0.43
406	4108	2	C01	3344	4									C	55	5.4	170	13	18	13	0.23
406	4110	12	C01	3358	1	19	6	83061	1252	4.0	95	-3.9	1.1	A	25	13.4	170	11	18	11	0.27
406	4116	2	C01	3399	1	17	4	83064	1251	5.3	86	-5.2	0.6	A	17	17.2	170	9	18	9	0.33
406	4124	13	C01	3500	4									C	16	18.0	9	7	11	7	0.14
406	4126	14	C01	3508	1									C	11	20.8	170	4	18	4	0.50
406	4128	7	C01	3527	4									C	9	22.1	9	4	8	4	1.00
406	4132	7	C01	3568	4	2	5	83076	2108	16.4	-12	-6.1	15.2	B	15	18.3	9	7	11	7	0.14
406	4134	7	C01	3582	1	6	7	83077	2143	7.5	-88	-7.4	-1.0	A	34	10.3	9	11	9	9	0.33
406	4136	15	C01	3595	4									C	9	22.3	9	11	8	8	1.00
406	4140	6	C01	3623	1									C	49	6.4	9	13	13	13	0.23
406	4144	12	C01	3650	1									C	33	10.6	9	11	9	9	0.33
406	4146	7	C01	3663	4									C	9	22.6	9	11	6	6	1.00
406	4148	20	C01	3677	4									C	22	14.7	9	9	13	9	0.33
406	4150	6	C01	3691	1	8	4	83085	2106	18.0	-100	-17.0	-6.1	A	48	6.7	8	13	13	13	0.23
406	4152	4	C01	3704	4									C	14	18.8	9	7	11	7	0.14
406	4154	14	C01	3718	4	5	5	83087	2031	26.7	73	24.1	11.5	A	32	10.8	9	11	15	11	0.27
406	4158	8	C01	3732	1	7	4	83088	2106	90.8	106	80.3	-9.8	C	70	2.8	9	13	14	13	0.23
406	4160	6	C01	3745	4	2	4	83089	1956	10.1	153	5.9	-8.3	A	22	15.0	9	9	13	9	0.33
406	4162	5	C01	3746	1	13	7	83089	2141	0.8	-142	-0.4	-0.7	A	56	5.2	9	13	17	13	0.08
406	4164	1	C01	3759	1	5	9	83090	2031	6.7	23	1.6	6.5	A	47	7.0	9	13	12	12	0.17
406	4172	10	C01	3786	1									C	31	11.1	8	11	9	9	0.33
406	4180	4	C01	3814	1									C	57	4.9	9	13	17	13	0.08
406	4182	3	C01	3827	1	8	10	83095	1955	5.1	-78	-5.1	0.2	A	46	7.2	9	13	12	12	0.17
406	4184	3	C01	3828	1									C	27	12.7	9	11	18	11	0.27
406	4186	1	C01	3841	4	10	5	83096	2030	2.5	42	1.4	2.0	A	13	19.3	9	6	10	6	0.33
406	4186	1	C01	3841	4	9	10	83096	2030	14.9	-73	-14.8	1.9	B	13	19.3	9	6	10	6	0.33
406	4188	1	C01	3841	1	10	5	83096	2030	10.1	94	10.0	0.9	A	84	0.8	9	13	16	13	0.23
406	4190	0	C01	3854	1	5	4	83097	1920	2.1	18	0.4	2.1	B	31	11.4	9	11	8	8	0.50
406	4192	0	C01	3855	4	20	8	83097	1920	7.5	-57	-6.9	2.9	A	39	8.7	9	12	18	12	0.17
406	4194	2	C01	3868	1	13	6	83098	1955	11.1	108	11.0	-1.8	A	66	3.4	9	13	14	13	0.23
406	4196	5	C01	3869	1	26	4	83098	2141	4.3	37	2.0	3.8	A	19	16.3	9	9	18	9	0.11
406	4198	5	C01	3881	4									C	20	15.5	9	9	13	9	0.33
406	4200	8	C01	3882	1									C	59	4.6	9	13	17	13	0.08
406	4202	10	C01	3895	1	8	5	83100	1919	9.1	24	2.3	8.8	B	44	7.5	9	13	11	11	0.27
406	4204	10	C01	3896	1									C	28	12.4	9	11	18	11	0.27
406	4208	8	C01	3909	1									C	95	0.6	9	13	16	13	0.23
406	4212	4	C01	3922	1									C	30	11.6	9	11	8	8	0.50
406	4214	6	C01	3923	1									C	40	8.5	9	12	18	12	0.17
406	4216	3	C01	3936	1	9	5	83103	1919	24.0	-72	-23.7	3.6	A	65	3.6	8	13	14	13	0.23
406	5050	0	C01	3426	1									C	22	14.6	170	10	18	10	0.40
406	5052	7	C01	3440	1									C	9	22.3	170	10	18	10	0.40
406	5054	9	C01	3459	4									C	12	20.1	9	5	8	5	0.60
406	5058	12	C01	3500	4									C	19	16.3	9	8	11	8	0.25
406	5062	0	C01	3527	4									C	12	20.2	9	2	8	2	1.00
406	5068	3	C01	3568	4	3	4	83076	2108	2.7	-6	-0.7	2.6	A	18	16.6	9	8	11	8	0.25
406	5146	6	C01	3896	1	22	5	83100	2106	11.4	-146	-4.7	-10.4	A	25	-13.1	9	10	18	10	0.20
406	5146	6	C01	3896	4	25	6	83100	2106	9.9	-136	-5.6	-8.1	A	25	-13.1	9	10	17	10	0.20
406	5158	3	C01	3936	1	11	7	83103	1919	2.6	-74	-2.5	0.3	A	72	2.6	9	13	14	13	0.08
406	5158	3	C01	3936	4	12	8	83103	1919	2.9	-22	-1.5	2.5	A	72	2.6	9	13	18	13	0.08
406	5160	3	C01	3937	1									C	18	-16.7	10	9	18	9	0.33
406	5160	3	C01	3937	4	21	6	83103	1919	2.6	-134	-1.5	-2.1	A	18	-16.7	10	9	17	9	0.33
406	5162	2	C01	3949	4	3	5	83104	1809	1.1	12	0.1	1.1	A	23	14.5	9	10	13	10	0.20
406	5164	3	C01	3950	1	18	7	83104	1955	0.5	153	0.3	-0.4	A	54	-5.2	9	13	17	13	0.23
406	5190	4	C01	4045	1	7	14	83111	1843	3.7	94	3.7	0.3	A	80	-0.9	9	13	16	13	0.08
406	5192	0	C01	4058	4									C	32	10.9	9	12	15	12	0.17

406	5192	0	C01	4058	1	1	3	83112	1733	1.4	-152	-0.4	-1.3	B	32	10.9	9	12	7	7	0.14
406	5194	0	C01	4059	4	17	1	83112	1919	1.1	-92	-1.1	-0.2	A	39	-8.6	9	12	18	12	0.33
406	5194	0	C01	4059	1	18	4	83112	1919	6.4	94	6.4	0.5	B	39	-8.6	9	12	18	12	0.33
406	5196	1	C01	4072	1	9	10	83113	1818	1.3	154	0.7	-1.0	A	68	3.1	9	13	14	13	0.08
406	5198	0	C01	4073	1									C	19	-16.1	9	9	18	9	0.33
406	5204	4	C01	4100	1	18	5	83115	1918	5.1	-26	-3.1	4.1	A	28	-12.3	9	11	18	11	0.09
406	5204	4	C01	4100	4	19	5	83115	1918	4.7	-55	-4.3	2.0	A	28	-12.3	9	11	18	11	0.09
406	5206	2	C01	4112	4									C	14	19.1	9	7	9	7	0.43
406	5208	6	C01	4113	4									C	82	-0.5	9	14	18	14	0.14
406	5208	6	C01	4113	1	10	8	83116	1807	27.5	91	27.2	3.8	B	82	-0.5	9	14	16	14	0.14
406	5210	6	C01	4114	1	19	7	83116	2000	2.0	-16	-0.9	1.8	A	13	-19.6	10	7	18	7	0.43
406	5210	6	C01	4114	4	20	7	83116	2000	2.0	-81	-2.0	-0.1	A	13	-19.6	10	7	16	7	0.43
406	5212	0	C01	4126	1									C	31	11.3	9	11	6	6	0.33
406	5246	3	C01	4235	1	8	9	83125	1621	2.6	-11	-0.9	2.5	A	43	8.0	9	12	11	11	0.09
406	5252	2	C01	4249	1	17	11	83126	1656	5.8	-66	-5.6	1.5	B	85	0.1	9	14	15	14	0.14
406	5260	2	C01	4276	1	3	10	83128	1620	2.4	-16	-1.0	2.2	B	62	4.1	9	13	13	13	0.08
406	5262	2	C01	4277	1									C	21	-15.2	9	10	18	10	0.20
406	5266	2	C01	4290	1	16	8	83129	1656	3.1	30	1.1	2.9	A	63	-3.7	9	13	16	13	0.23
406	5282	2	C01	4344	1	4	8	83133	1544	3.0	-27	-1.8	2.4	A	60	4.5	9	13	13	13	0.08
406	5288	2	C01	4358	1	12	12	83134	1619	1.8	49	1.2	1.4	A	65	-3.4	9	12	16	12	0.17
406	5298	3	C01	4386	1									C	15	-18.4	10	8	18	8	0.25
406	6002	2	C01	5768	2	2	5	83237	2034	42.0	75	-42.0	-1.0	B	79	1.4	166	13	14	8	1.00
406	6002	2	C01	5768	3	10	6	83237	2034	11.2	-86	10.8	-3.3	B	79	1.4	166	13	18	13	0.23
406	6002	2	C01	5768	2	4	7	83237	2034	0.6	28	-0.4	-0.4	B	79	1.4	166	13	14	8	1.00
406	6002	2	C01	5768	3	9	12	83237	2034	2.9	6	-1.0	-2.8	A	79	1.4	166	13	18	13	0.23
406	6003	2	C02	2113	2									C	17	17.2	160	9	18	5	1.40
406	6003	2	C02	2113	2									C	17	17.2	160	9	18	5	1.40
406	6016	3	C02	2135	2	10	8	83239	1410	4.3	-93	-4.1	-1.2	A	26	12.8	12	10	18	9	0.11
406	6016	3	C02	2135	2	11	10	83239	1410	0.2	-112	-0.2	-0.1	A	26	12.8	12	10	18	9	0.11
406	6022	4	C02	2142	2									C	62	4.1	166	12	10	6	1.67
406	6022	4	C02	2142	2									C	62	4.1	166	12	10	6	1.67
406	6025	3	C02	2149	2									C	42	8.0	12	12	16	10	0.00
406	6025	3	C02	2149	2									C	42	8.0	12	12	16	10	0.00
406	6027	5	S01	2176	2									C	34	7.3	-163	10	12	8	0.50
406	6027	5	S01	2176	2	3	4	83240	1742	54.6	-59	52.9	-13.3	C	34	7.3	-163	10	12	8	0.50
406	6030	2	C02	2154	2									C	17	17.1	159	8	18	5	1.40
406	6030	2	C02	2154	2	12	5	83240	2339	16.5	5	-7.3	-14.8	B	17	17.1	159	8	18	5	1.40
406	6031	1	C02	2155	2									C	55	5.2	164	13	17	9	0.78
406	6031	1	C02	2155	2	5	11	83241	126	1.3	-58	0.9	-1.0	A	55	5.2	164	13	17	9	0.78
406	6032	0	S01	2182	2									C	27	9.0	-18	9	16	6	0.33
406	6032	0	S01	2182	2									C	27	9.0	-18	9	16	6	0.33
406	6033	2	S01	2183	2									C	56	3.5	-15	11	11	5	1.00
406	6033	2	S01	2183	2									C	56	3.5	-15	11	11	5	1.00
406	6039	2	C02	2168	3									C	24	13.5	163	10	17	10	0.40
406	6039	2	C02	2168	2									C	24	13.5	163	10	17	10	0.40
406	6039	2	C02	2168	3									C	24	13.5	163	10	17	10	0.40
406	6039	2	C02	2168	2									C	24	13.5	163	10	18	7	1.00
406	6040	2	C02	2169	3									C	79	1.5	166	13	18	13	0.23
406	6040	2	C02	2169	3									C	79	1.5	166	13	18	13	0.23
406	6040	2	C02	2169	2	4	4	83242	155	1.2	-141	0.9	0.7	B	79	1.5	166	13	14	8	1.00
406	6040	2	C02	2169	2	3	9	83242	155	0.3	0	0.3	-0.1	B	79	1.5	166	13	14	8	1.00
406	6041	1	S01	2197	2									C	75	1.4	-15	11	13	6	0.67
406	6041	1	S01	2197	2									C	75	1.4	-15	11	13	6	0.67
406	6041	1	S01	2197	3	9	13	83242	450	6.0	31	4.4	4.1	A	75	1.4	-15	11	16	11	0.09
406	6041	1	S01	2197	3	7	15	83242	450	3.9	-46	-2.1	3.4	A	75	1.4	-15	11	16	11	0.09
406	6042	2	S01	2198	3	2	7	83242	631	2.8	-17	-0.1	2.8	A	14	14.1	-15	8	14	8	0.25
406	6042	2	S01	2198	3	3	8	83242	631	4.9	-63	-3.7	3.3	A	14	14.1	-15	8	14	8	0.25
406	6043	2	C02	2177	3									C	79	1.4	12	13	18	13	0.23
406	6043	2	C02	2177	3									C	79	1.4	12	13	18	13	0.23
406	6044	2	C02	2178	3									C	23	14.1	15	10	17	10	0.20
406	6044	2	C02	2178	3									C	23	14.1	15	10	17	10	0.20
406	6045	2	S01	2205	3	5	11	83242	1839	8.2	-43	7.2	-4.0	A	82	0.7	-163	11	15	11	0.09
406	6045	2	S01	2205	3	4	14	83242	1839	14.9	-57	14.3	-3.9	B	82	0.7	-163	11	15	11	0.09
406	6046	2	S01	2206	2									C	19	12.1	-158	8	13	8	0.25
406	6046	2	S01	2206	3	5	11	83242	2019	2.0	9	0.4	-2.0	A	19	12.1	-158	8	13	8	0.25
406	6046	2	S01	2206	3	4	16	83242	2019	4.7	11	0.8	-4.6	A	19	12.1	-158	8	13	8	0.25

406	6115	10	S01	4505	1	12	9	84404	1347	0.9	14	-0.0	-0.9	A	22	10.9	-167	9	16	9	0.11
406	6115	10	S01	4505	4	11	10	84404	1347	2.2	96	-2.1	-0.2	A	22	10.9	-167	9	14	9	0.11
406	6116	10	C02	4401	1	12	10	84404	1506	7.8	88	7.6	1.5	A	75	2.0	9	13	16	13	0.23
406	6116	10	C02	4401	4	11	11	84404	1506	8.3	94	8.3	0.7	A	75	2.0	9	13	18	13	0.23
406	6117	10	C02	4402	1	12	4	84404	1653	20.1	-38	-15.0	13.3	A	12	20.1	10	6	18	6	0.33
406	6118	10	C01	8050	4									C	39	8.9	169	13	16	13	0.23
406	6118	10	C01	8050	1									C	39	8.9	169	13	12	12	0.17
406	6118	10	C01	8050	1	6	11	84404	1938	2.3	18	-1.1	-2.0	A	39	8.9	169	13	12	12	0.17
406	6118	10	C01	8050	1	7	11	84404	1938	1.5	0	-0.3	-1.4	A	39	8.9	169	13	12	12	0.17
406	6118	10	C01	8050	4	7	12	84404	1938	0.6	-63	0.5	-0.3	A	39	8.9	169	13	16	13	0.23
406	6118	10	C01	8050	4	5	15	84404	1938	2.0	47	-1.7	-1.1	A	39	8.9	169	13	16	13	0.23
406	6119	10	C01	8051	4									C	33	10.6	169	12	18	12	0.17
406	6119	10	C01	8051	4									C	33	10.6	169	12	18	12	0.17
406	6119	10	C01	8051	1									C	33	10.6	169	12	18	12	0.17
406	6119	10	C01	8051	4									C	33	10.6	169	12	18	12	0.17
406	6119	10	C01	8051	1	11	7	84404	2124	0.6	-7	-0.0	-0.6	A	33	10.6	169	12	18	12	0.17
406	6119	10	C01	8051	1	10	12	84404	2124	1.8	-35	0.8	-1.6	A	33	10.6	169	12	18	12	0.17
406	6120	6	S01	4518	4	13	6	84405	1145	4.5	-6	1.4	-4.3	A	21	11.2	-167	9	13	9	0.11
406	6120	6	S01	4518	4	11	12	84405	1145	7.3	-76	7.3	-0.2	A	21	11.2	-167	9	13	9	0.11
406	6122	6	S01	4519	1	14	8	84405	1326	7.1	75	-6.3	-3.2	A	35	7.1	-167	10	15	10	0.20
406	6122	6	S01	4519	4	15	9	84405	1326	5.7	75	-5.0	-2.6	A	35	7.1	-167	10	15	10	0.20
406	6122	6	S01	4519	1	15	16	84405	1326	2.9	19	-0.3	-2.9	A	35	7.1	-167	10	15	10	0.20
406	6122	6	S01	4519	4	16	17	84405	1326	2.0	17	-0.2	-1.9	A	35	7.1	-167	10	15	10	0.20
406	6123	4	C02	4415	1	10	10	84405	1535	1.5	-14	-0.6	1.4	A	42	7.9	9	13	18	13	0.23
406	6123	4	C02	4415	4	9	10	84405	1535	1.0	-55	-0.9	0.4	A	42	7.9	9	13	18	13	0.23
406	6123	4	C02	4415	1	9	13	84405	1535	0.6	0	-0.1	0.6	A	42	7.9	9	13	18	13	0.23
406	6124	3	C01	8063	4									C	12	19.9	169	6	11	6	0.33
406	6124	3	C01	8063	1									C	12	19.9	169	6	11	6	0.33
406	6124	3	C01	8063	4									C	12	19.9	169	6	11	6	0.33
406	6124	3	C01	8063	4	4	5	84405	1655	3.9	-42	2.0	-3.3	A	12	19.9	169	6	11	6	0.33
406	6125	3	C01	8064	1	6	4	84405	2013	56.9	82	-56.9	2.1	C	80	1.3	170	14	16	14	0.14
406	6125	3	C01	8064	1	4	7	84405	2013	0.7	-68	0.6	-0.4	A	80	1.3	170	14	16	14	0.14
406	6131	4	S01	4675	1	21	6	84416	1248	16.0	87	-15.5	-4.1	B	76	1.3	-167	11	14	11	0.09
406	6131	4	S01	4675	1	19	9	84416	1248	3.4	72	-3.0	-1.7	B	76	1.3	-167	11	14	11	0.09
406	6131	4	S01	4675	1	20	11	84416	1248	3.2	-21	1.8	-2.7	B	76	1.3	-167	11	14	11	0.09
406	6133	4	S01	4676	1	15	5	84416	1428	8.4	-35	-3.3	7.7	B							
406	6133	4	S01	4676	4	16	5	84416	1428	7.9	-40	-3.8	6.9	B							
406	6133	4	S01	4676	1	16	12	84416	1428	2.3	9	0.8	2.2	A							
406	6133	4	S01	4676	1	18	12	84416	1428	1.9	23	1.1	1.5	A							
406	6133	4	S01	4676	4	17	12	84416	1428	1.4	3	0.4	1.4	A							
406	6133	4	S01	4676	4	18	12	84416	1428	1.0	26	0.6	0.8	A							
406	6134	4	C02	4566	1	17	7	84416	1533	0.7	134	0.6	-0.4	A	16	17.3	9	8	13	8	1.00
406	6134	4	C02	4566	4	11	7	84416	1533	1.3	174	0.3	-1.2	A	16	17.3	9	8	13	8	0.25
406	6134	4	C02	4566	1	19	5	84416	1534	1.1	6	-0.1	1.1	A	16	17.3	9	8	13	8	1.00
406	6134	4	C02	4566	4	13	5	84416	1534	0.3	-48	-0.3	0.2	A	16	17.3	9	8	13	8	0.25
406	6134	4	C02	4566	1	18	9	84416	1534	9.7	54	6.9	6.8	A	16	17.3	9	8	13	8	1.00
406	6134	4	C02	4566	4	12	9	84416	1534	8.9	57	6.7	5.9	A	16	17.3	9	8	13	8	0.25
406	6137	2	S01	4689	1									C	56	3.5	-168	10	12	10	0.20
406	6137	2	S01	4689	1	14	4	84417	1227	8.5	72	-7.4	-4.2	A	56	3.5	-168	10	12	10	0.20
406	6137	2	S01	4689	1	15	7	84417	1227	2.2	-33	1.5	-1.5	A	56	3.5	-168	10	12	10	0.20
406	6137	2	S01	4689	1	13	12	84417	1227	2.2	-31	1.5	-1.6	A	56	3.5	-168	10	12	10	0.20
406	6139	2	S01	4690	1	18	11	84417	1406	1.4	-2	0.4	-1.4	A	56	3.5	-168	10	12	10	0.20
406	6139	2	S01	4690	1	15	11	84417	1406	2.4	-149	0.8	2.3	A	56	3.5	-168	10	12	10	0.20
406	6139	2	S01	4690	1	17	12	84417	1406	2.8	-1	0.6	-2.7	A	56	3.5	-168	10	12	10	0.20
406	6141	2	C01	8227	1	6	8	84417	1826	1.1	43	-0.9	-0.7	A	52	5.9	170	13	13	13	0.23
406	6141	2	C01	8227	1	8	8	84417	1826	1.8	15	-0.8	-1.6	A	52	5.9	170	13	13	13	0.23
406	6141	2	C01	8227	1	7	11	84417	1826	0.3	6	-0.1	-0.3	A	52	5.9	170	13	13	13	0.23
406	6142	1	C01	8228	1									C	24	13.7	170	10	18	10	0.20
406	6142	1	C01	8228	4	14	6	84417	2012	0.5	127	-0.3	0.4	A	24	13.7	170	10	17	10	0.20
406	6142	1	C01	8228	1	20	7	84417	2012	1.5	53	-1.3	-0.7	A	24	13.7	170	10	18	10	0.20
406	6142	1	C01	8228	4	13	7	84417	2012	1.0	83	-1.0	0.1	A	24	13.7	170	10	17	10	0.20
406	6142	1	C01	8228	1	21	6	84417	2021	0.8	50	-0.7	-0.4	A	24	13.7	170	10	18	10	0.20
406	6143	4	S01	4703	4									C	33	7.4	-168	10	14	10	0.00
406	6143	4	S01	4703	1	10	7	84418	1205	1.7	-8	0.6	-1.6	A	33	7.4	-168	10	10	9	0.11
406	6143	4	S01	4703	1	8	7	84418	1205	2.6	5	0.3	-2.6	A	33	7.4	-168	10	10	9	0.11
406	6143	4	S01	4703	1	9	8	84418	1205	1.4	-26	0.9	-1.1	A	33	7.4	-168	10	10	9	0.11

406	6143	4	S01	4703	4	14	8	84418	1205	1.7	13	-0.1	-1.7	A	33	7.4	-168	10	14	10	0.00
406	6143	4	S01	4703	4	11	11	84418	1205	0.7	-49	0.6	-0.3	A	33	7.4	-168	10	14	10	0.00
406	6143	4	S01	4703	4	13	11	84418	1205	0.7	-66	0.7	-0.1	A	33	7.4	-168	10	14	10	0.00
406	6144	4	C02	4592	4	4	4	84418	1258	28.5	117	27.1	-8.9	B	60	4.4	9	12	18	12	0.17
406	6144	4	C02	4592	1	6	7	84418	1258	0.8	24	0.2	0.8	A	60	4.4	9	12	14	12	0.17
406	6144	4	C02	4592	4	7	8	84418	1258	0.3	-77	-0.3	0.0	A	60	4.4	9	12	18	12	0.17
406	6144	4	C02	4592	1	7	9	84418	1258	0.9	-38	-0.6	0.6	A	60	4.4	9	12	14	12	0.17
406	6144	4	C02	4592	4	8	10	84418	1258	0.8	-92	-0.8	-0.2	A	60	4.4	9	12	18	12	0.17
406	6144	4	C02	4592	1	5	12	84418	1258	0.7	-19	-0.3	0.6	A	60	4.4	9	12	14	12	0.17
406	6144	4	C02	4592	4	6	14	84418	1258	0.6	-92	-0.6	-0.1	A	60	4.4	9	12	18	12	0.17
406	6145	4	S01	4704	1	33	12	84418	1345	1.2	81	-1.1	-0.4	A	33	7.4	-168	10	10	9	0.11
406	6145	4	S01	4704	4	31	12	84418	1345	1.1	130	-1.0	0.5	A	33	7.4	-168	10	14	10	0.00
406	6145	4	S01	4704	1	32	13	84418	1345	1.5	-0	0.3	-1.4	A	33	7.4	-168	10	10	9	0.11
406	6145	4	S01	4704	1	30	14	84418	1345	1.3	2	0.2	-1.3	A	33	7.4	-168	10	10	9	0.11
406	6145	4	S01	4704	4	29	14	84418	1345	0.6	-39	0.5	-0.4	A	33	7.4	-168	10	14	10	0.00
406	6145	4	S01	4704	4	28	15	84418	1345	0.4	-24	0.2	-0.3	A	33	7.4	-168	10	14	10	0.00
406	6146	4	C02	4593	1	20	7	84418	1444	0.4	45	0.2	0.3	A	60	4.4	9	12	14	12	0.17
406	6146	4	C02	4593	4	36	7	84418	1444	0.6	-162	-0.1	-0.5	A	60	4.4	9	12	18	12	0.17
406	6146	4	C02	4593	1	21	10	84418	1444	1.1	18	0.2	1.1	A	60	4.4	9	12	14	12	0.17
406	6146	4	C02	4593	4	37	10	84418	1444	0.3	-18	-0.1	0.3	A	60	4.4	9	12	18	12	0.17
406	6146	4	C02	4593	1	19	14	84418	1444	0.5	36	0.2	0.4	A	60	4.4	9	12	14	12	0.17
406	6146	4	C02	4593	4	35	14	84418	1444	0.5	-170	-0.0	-0.5	A	60	4.4	9	12	18	12	0.17
406	6147	3	C01	8240	4									C	17	17.1	169	9	12	9	0.33
406	6147	3	C01	8240	4									C	17	17.1	169	9	12	9	0.33
406	6147	3	C01	8240	4									C	17	17.1	169	9	12	9	0.33
406	6147	3	C01	8240	4	4	6	84418	1715	1.5	165	-0.1	1.5	A	17	17.1	169	9	12	9	0.33
406	6148	2	C01	8241	1	14	4	84418	1901	7.4	-74	6.7	-3.2	A	76	2.0	170	13	17	13	0.23
406	6148	2	C01	8241	1	12	5	84418	1901	1.7	-37	0.8	-1.5	A	76	2.0	170	13	17	13	0.23
406	6148	2	C01	8241	1	13	8	84418	1901	1.3	-13	0.1	-1.3	A	76	2.0	170	13	17	13	0.23
406	6150	1	C02	4605	4									C	17	17.2	9	8	13	8	0.25
406	6150	1	C02	4605	4									C	17	17.2	9	8	13	8	0.25
406	6150	1	C02	4605	4	5	5	84419	1142	0.7	58	0.5	0.5	A	17	17.2	9	8	13	8	0.25
406	6150	1	C02	4605	4	4	6	84419	1142	6.3	162	2.9	-5.6	A	17	17.2	9	8	13	8	0.25
406	6152	1	S01	4718	1	12	10	84419	1324	7.3	-72	7.2	-0.6	B	36	6.8	-167	10	15	10	0.20
406	6152	1	S01	4718	1	15	10	84419	1324	1.8	23	-0.3	-1.8	A	36	6.8	-167	10	15	10	0.20
406	6152	1	S01	4718	4	11	11	84419	1324	6.2	-77	6.2	0.0	B	36	6.8	-167	10	15	10	0.20
406	6152	1	S01	4718	4	14	11	84419	1324	1.1	46	-0.6	-0.9	A	36	6.8	-167	10	15	10	0.20
406	6152	1	S01	4718	1	14	12	84419	1324	1.4	7	0.1	-1.3	A	36	6.8	-167	10	15	10	0.20
406	6152	1	S01	4718	4	13	13	84419	1324	0.5	-22	0.3	-0.4	A	36	6.8	-167	10	15	10	0.20
406	6154	1	C02	4607	1	8	5	84419	1514	1.0	8	-0.0	1.0	A	11	20.7	10	4	17	4	0.50
406	6154	1	C02	4607	1	10	7	84419	1514	0.5	73	0.5	0.2	A	11	20.7	10	4	17	4	0.50
406	6154	1	C02	4607	1	9	8	84419	1514	2.0	136	1.6	-1.2	A	11	20.7	10	4	17	4	0.50
406	6155	1	C01	8254	1	4	8	84419	1750	1.7	-0	-0.3	-1.6	A	36	9.8	169	11	11	10	0.20
406	6155	1	C01	8254	1	5	9	84419	1750	6.5	41	-5.1	-4.0	A	36	9.8	169	11	11	10	0.20
406	6155	1	C01	8254	1	3	9	84419	1750	1.8	-33	0.7	-1.6	A	36	9.8	169	11	11	10	0.20
406	6155	1	C01	8254	4	12	11	84419	1750	0.4	-13	0.0	-0.4	A	36	9.8	169	11	16	11	0.27
406	6155	1	C01	8254	4	10	12	84419	1750	1.2	-73	1.1	-0.6	A	36	9.8	169	11	16	11	0.27
406	6155	1	C01	8254	4	9	15	84419	1750	5.5	76	-5.5	-0.3	A	36	9.8	169	11	16	11	0.27
406	6156	1	C01	8255	1	10	4	84419	1936	2.5	-5	-0.2	-2.5	A	36	9.6	170	12	18	12	0.17
406	6156	1	C01	8255	1	9	6	84419	1936	1.4	0	-0.2	-1.3	A	36	9.6	170	12	18	12	0.17
406	6156	1	C01	8255	1	7	11	84419	1936	5.5	-74	5.0	-2.3	B	36	9.6	170	12	18	12	0.17
406	6158	4	C02	4619	1									C	32	10.7	9	12	9	9	0.11
406	6158	4	C02	4619	1									C	32	10.7	9	12	9	9	0.11
406	6158	4	C02	4619	1									C	32	10.7	9	12	9	9	0.11
406	6158	4	C02	4619	1	3	3	84420	1210	2.0	148	1.3	-1.5	B	32	10.7	9	12	9	9	0.11
406	6159	6	S01	4732	1									C	12	15.5	-168	7	9	7	1.20
406	6159	6	S01	4732	4	8	4	84420	1302	3.6	133	-3.1	1.9	B	12	15.5	-168	7	11	7	0.14
406	6159	6	S01	4732	1	9	6	84420	1302	7.2	-57	6.7	-2.5	B	12	15.5	-168	7	9	7	1.20
406	6159	6	S01	4732	4	10	6	84420	1302	6.9	-65	6.7	-1.5	B	12	15.5	-168	7	11	7	0.14
406	6159	6	S01	4732	1	6	8	84420	1302	4.0	88	-3.9	-1.0	A	12	15.5	-168	7	9	7	1.20
406	6159	6	S01	4732	1	8	9	84420	1302	12.5	-85	12.4	1.7	A	12	15.5	-168	7	9	7	1.20
406	6159	6	S01	4732	4	7	9	84420	1302	1.1	99	-1.1	-0.1	A	12	15.5	-168	7	11	7	0.14
406	6159	6	S01	4732	4	9	10	84420	1302	6.1	-88	6.1	1.1	B	12	15.5	-168	7	11	7	0.14
406	6160	6	C02	4620	1									C	32	10.7	9	12	9	9	0.11
406	6160	6	C02	4620	4									C	32	10.7	9	12	16	12	0.17
406	6160	6	C02	4620	1	11	6	84420	1356	3.2	-14	-1.3	2.9	A	32	10.7	9	12	9	9	0.11

406	6160	6	C02	4620	4	11	6	84420	1356	2.6	-27	-1.5	2.1	A	32	10.7	9	12	16	12	0.17
406	6160	6	C02	4620	1	9	9	84420	1356	0.8	15	0.1	0.8	A	32	10.7	9	12	9	9	0.11
406	6160	6	C02	4620	4	9	9	84420	1356	0.2	-121	-0.1	-0.1	A	32	10.7	9	12	16	12	0.17
406	6160	6	C02	4620	1	10	11	84420	1356	5.1	-62	-4.8	1.6	A	32	10.7	9	12	9	9	0.11
406	6160	6	C02	4620	4	10	12	84420	1356	4.9	-78	-4.9	0.2	A	32	10.7	9	12	16	12	0.17
406	10005	0	S01	5969	4	0	14	84142	926	0.6	85	-0.5	-0.2	A	60	3.0	-168	11	15	11	0.09
406	10010	0	C02	5815	4	0	12	84142	1117	0.6	-52	0.4	-0.5	A	50	6.1	170	13	18	13	0.08
406	10015	0	C01	9459	4	0	12	84142	1713	3.4	99	3.4	-0.1	B	50	6.3	8	12	18	12	0.50
406	10020	0	S01	5975	4	0	13	84142	1906	15.0	-109	-14.9	-2.1	B	22	10.8	-11	9	14	9	0.56
406	10025	0	S01	5976	4	0	11	84142	2046	1.8	0	0.4	1.8	A	45	5.2	-10	10	15	10	0.40
406	10030	0	C02	5822	4	0	10	84142	2300	1.8	-101	-1.7	-0.6	A	55	5.1	8	13	18	13	0.38
406	10035	0	C02	5823	4	0	12	84143	46	4.9	68	4.2	2.5	A	20	15.5	8	10	16	10	0.60
406	10040	0	C01	9465	4	0	10	84143	416	0.6	11	-0.2	-0.6	A	41	8.4	170	12	17	12	0.00
406	10045	0	C01	9466	4	0	5	84143	601	1.8	0	-0.3	-1.8	B	27	12.7	171	11	16	11	0.09
406	10050	0	S01	5983	4	0	13	84143	905	0.7	-76	0.7	-0.0	A	84	0.5	-168	10	15	10	0.20
406	10055	0	C02	5828	4	0	8	84143	1000	0.8	-12	0.0	-0.8	A	43	7.8	170	12	17	12	0.00
406	10060	0	S01	5984	4	0	9	84143	1044	0.7	117	-0.7	0.2	A	12	15.5	-167	7	12	7	0.14
406	10065	0	C02	5829	4	0	10	84143	1145	1.1	-166	0.4	1.0	A	25	13.1	171	11	16	11	0.09
406	10070	0	C01	5472	4	0	9	84143	1603	16.1	-123	-11.8	-10.9	A	14	19.0	8	6	14	6	0.67
406	10075	0	C01	9473	4									C	75	2.1	8	13	18	13	0.23
406	10080	0	S01	5989	4									C	14	14.4	-11	6	13	6	0.67
406	10085	0	S01	5990	4									C	69	2.0	-10	10	15	10	0.40
406	10090	0	C02	5835	4									C	13	19.1	8	6	14	6	0.67
406	10095	0	C02	5836	4	0	10	84143	2329	0.4	-114	-0.4	-0.2	A	76	1.9	8	13	18	13	0.23
406	10100	0	C01	9478	4	0	6	84144	304	0.8	-58	0.6	-0.5	A	12	20.5	170	7	14	7	0.14
406	10105	0	C01	9479	4	0	12	84144	451	2.4	72	-2.3	-0.4	A	82	1.0	171	13	18	13	0.08
406	10110	0	C01	9480	4									C	11	20.9	170	6	14	6	0.00
406	10115	0	C02	5841	4	0	9	84144	842	0.5	-56	0.3	-0.3	A	10	21.1	169	5	14	5	0.20
406	10120	0	S01	5997	4	0	13	84144	843	1.0	-51	0.9	-0.5	A	53	4.0	-168	10	16	10	0.20
406	10125	0	S01	5998	4	0	12	84144	1023	2.1	74	-1.9	-1.0	A	19	12.0	-168	9	13	9	0.11
406	10130	0	C02	5842	4	0	9	84144	1028	2.5	74	-2.5	-0.3	A	78	1.5	170	13	18	13	0.08
406	10135	0	C02	5843	4	0	9	84144	1213	1.2	-10	0.0	-1.2	A	12	20.1	170	6	14	6	0.00
406	10140	0	C01	9486	4	0	8	84144	1638	0.5	-152	-0.2	-0.4	A	33	10.6	8	11	16	11	0.45
406	10145	0	C01	9487	4	0	10	84144	1824	0.7	-100	-0.7	-0.2	A	34	10.3	8	12	17	12	0.33
406	10150	0	S01	6004	4	0	13	84144	2003	4.3	73	4.3	0.4	A	71	1.8	-10	11	15	11	0.45
406	10155	0	S01	6005	4	0	11	84144	2143	1.5	-79	-1.4	0.5	A	12	15.2	-10	5	12	5	1.00
406	10160	0	C02	5850	4	0	13	84144	2357	0.3	-146	-0.1	-0.3	A	38	8.9	8	12	17	12	0.33
406	10165	0	C01	9492	4	0	11	84145	340	0.3	-33	0.1	-0.3	A	27	12.6	170	11	17	11	0.09
406	10170	0	C01	9493	4	0	8	84145	526	0.6	-61	0.5	-0.3	A	41	8.3	171	13	18	13	0.08
406	10175	0	S01	6011	4	0	14	84145	811	1.7	-58	1.6	-0.6	A	33	7.6	-168	9	14	9	0.11
406	10180	0	C02	5855	4	0	7	84145	941	0.8	1	-0.1	-0.8	A	22	14.5	170	11	16	11	0.09
406	10185	0	S01	6012	4	0	12	84145	1001	0.1	112	-0.1	0.0	A	29	8.5	-168	10	14	10	0.20
406	10190	0	C02	5856	4	0	8	84145	1057	0.5	-24	0.1	-0.5	A	49	6.3	171	13	18	13	0.08
406	10195	0	C01	9500	4	0	12	84145	1713	0.4	-149	-0.1	-0.4	A	73	2.3	8	13	18	13	0.38
406	10200	0	C01	9501	4	0	5	84145	1859	8.8	149	5.6	-6.8	A	15	18.3	9	9	15	9	0.56
406	10205	0	S01	6018	4	0	11	84145	1941	5.3	-121	-4.9	-1.9	B	45	5.2	-10	11	15	11	0.27
406	10210	0	S01	6019	4	0	12	84145	2121	1.9	-132	-1.6	-1.0	A	21	11.2	-10	8	14	8	0.50
406	10215	0	C02	5863	4									C	56	5.0	8	13	18	13	0.38
406	10220	0	C02	5864	4	0	4	84146	26	1.2	0	-1.2	-0.3	A							
406	10222	0	S01	5969	4	0	13	84142	926	0.1	118	-0.1	0.0	A	60	3.0	-168	11	15	11	0.09
406	10224	0	C02	5815	4	0	13	84142	1117	2.4	70	-2.4	-0.4	A	50	6.1	170	13	18	13	0.08
406	10226	0	C01	9459	4	0	13	84142	1713	0.8	-94	-0.8	-0.0	A	50	6.3	8	12	18	12	0.50
406	10228	0	S01	5975	4	0	13	84142	1906	2.3	71	2.3	0.3	A	22	10.8	-11	9	14	9	0.56
406	10229	0	C01	9506	4	0	10	84146	415	0.7	46	-0.6	-0.4	A	59	4.5	170	13	18	13	0.08
406	10230	0	S01	5976	4	0	14	84142	2046	4.8	-68	-4.1	2.6	A	45	5.2	-10	10	15	10	0.40
406	10232	0	C02	5822	4	0	12	84142	2300	1.8	99	1.8	-0.0	A	55	5.1	8	13	18	13	0.38
406	10234	0	C02	5823	4	0	13	84143	46	1.8	0	-0.3	1.8	A	20	15.5	8	10	16	10	0.60
406	10236	0	C01	9465	4	0	8	84143	416	0.4	-61	0.3	-0.2	A	41	8.4	170	12	17	12	0.00
406	10238	0	C01	9466	4	0	8	84143	601	1.8	0	-0.3	-1.8	A	27	12.7	171	11	16	11	0.09
406	10239	0	C01	9507	4	0	6	84146	601	0.3	-127	0.3	0.1	A	18	16.7	170	9	16	9	0.11
406	10240	0	S01	5983	4	0	11	84143	905	1.5	-76	1.5	-0.1	A	84	0.5	-168	10	15	10	0.20
406	10242	0	C02	5828	4	0	10	84143	1000	0.7	-65	0.6	-0.4	A	43	7.8	170	12	17	12	0.00
406	10244	0	S01	5984	4	0	8	84143	1044	2.3	109	-2.3	0.2	A	12	15.5	-167	7	12	7	0.14
406	10246	0	C02	5829	4	0	8	84143	1145	2.0	154	-0.6	1.9	A	25	13.1	171	11	16	11	0.09
406	10248	0	C01	5472	4									C	14	19.0	8	6	14	6	0.67
406	10249	0	S01	6025	4	0	10	84146	800	2.0	-161	0.3	2.0	A	21	11.3	-169	7	14	7	0.14

406 10250	0	C01	9473	4	0	11	84143	1748	12.0	-84	-12.0	-0.6	B	75	2.1	8	13	18	13	0.23
406 10252	0	S01	5989	4	0	11	84143	1845	0.9	74	0.9	0.1	A	14	14.4	-11	6	13	6	0.67
406 10254	0	S01	5990	4	0	10	84143	2024	4.2	-107	-4.1	-0.5	A	69	2.0	-10	10	15	10	0.40
406 10256	0	C02	5835	4	0	5	84143	2144	1.2	178	0.2	-1.2	A	13	19.1	8	6	14	6	0.67
406 10258	0	C02	5836	4	0	12	84143	2329	8.0	-84	-8.0	-0.4	A	76	1.9	8	13	18	13	0.23
406 10259	0	S01	6026	4	0	12	84146	940	0.2	101	-0.2	-0.0	A	45	5.2	-168	11	15	11	0.09
406 10260	0	S01	9478	4																
406 10262	0	C01	9479	4	0	9	84144	451	3.4	73	-3.4	-0.4	B	82	1.0	171	13	18	13	0.08
406 10264	0	C01	9480	4																
406 10266	0	C02	5841	4	0	4	84144	842	0.5	92	-0.5	0.1	A	10	21.1	169	5	14	5	0.20
406 10268	0	S01	5997	4	0	12	84144	843	0.8	-47	0.7	-0.4	A	53	4.0	-168	10	16	10	0.20
406 10270	0	S01	5998	4	0	13	84144	1023	2.1	69	-1.7	-1.1	A	19	12.0	-168	9	13	9	0.11
406 10272	0	C02	5842	4	0	11	84144	1028	1.7	71	-1.7	-0.3	B	78	1.5	170	13	18	13	0.08
406 10274	0	C02	5843	4	0	9	84144	1213	0.7	-120	0.7	0.3	A	12	20.1	170	6	14	6	0.00
406 10276	0	C01	9486	4	0	4	84144	1638	0.7	156	0.4	-0.6	A	33	10.6	8	11	16	11	0.45
406 10277	0	C02	5870	4	0	12	84146	1125	0.4	-8	-0.0	-0.4	A	25	13.3	171	11	16	11	0.09
406 10278	0	C01	9487	4	0	10	84144	1824	0.1	-155	-0.0	-0.1	A	34	10.3	8	12	17	12	0.33
406 10279	0	C02	5829	4	0	10	84146	940	0.7	28	-0.4	-0.6	A	43	7.6	170	12	17	12	0.00
406 10280	0	S01	6004	4	0	15	84144	2003	6.0	76	6.0	0.3	A	71	1.8	-10	11	15	11	0.45
406 10281	0	S01	6005	4	0	10	84144	2143	1.7	-111	-1.7	-0.3	A	12	15.2	-10	5	12	5	1.00
406 10282	0	C02	5850	4	0	15	84144	2357	0.6	-85	-0.6	-0.0	A	38	8.9	8	12	17	12	0.33
406 10283	0	C01	9492	4	0	8	84145	340	0.6	11	-0.2	-0.6	A	27	12.6	170	11	17	11	0.09
406 10284	0	C01	9493	4	0	10	84145	526	0.7	-57	0.5	-0.4	A	41	8.3	171	13	18	13	0.08
406 10285	0	S01	6011	4	0	12	84145	811	1.9	-63	1.9	-0.5	A	33	7.6	-168	9	14	9	0.11
406 10286	0	C02	5855	4	0	9	84145	941	0.4	-25	0.1	-0.4	A	22	14.5	170	11	16	11	0.09
406 10287	0	S01	6012	4	0	11	84145	1001	1.3	102	-1.3	0.0	A	29	8.5	-168	10	14	10	0.20
406 10288	0	C02	5856	4	0	12	84145	1057	1.0	46	-0.8	-0.5	A	49	6.3	171	13	18	13	0.08
406 10289	0	C01	9500	4	0	12	84145	1713	1.2	94	1.2	0.1	A	73	2.3	8	13	18	13	0.38
406 10290	0	C01	9501	4	0	4	84145	1859	3.3	-98	-3.1	-1.0	B	15	18.3	9	9	15	9	0.56
406 10291	0	S01	6018	4	0	15	84145	1941	0.9	81	0.9	-0.0	A	45	5.2	-10	11	15	11	0.27
406 10292	0	S01	6019	4	0	12	84145	2121	1.7	-108	-1.7	-0.2	A	21	11.2	-10	8	14	8	0.50
406 10293	0	C02	5863	4	0	14	84145	2240	1.0	98	1.0	0.0	A	56	5.0	8	13	18	13	0.38
406 10294	0	C02	5864	4	0	13	84145	26	1.1	-103	1.0	0.5	A							
406 10295	0	C01	9506	4	0	6	84146	415	2.6	69	-2.5	-0.5	A	59	4.5	170	13	18	13	0.08
406 10296	0	C01	9507	4	0	7	84146	501	0.6	20	-0.3	-0.5	A	18	16.7	170	9	16	9	0.11
406 10297	0	S01	6025	4	0	12	84146	800	2.4	-141	1.1	2.1	A	21	11.3	-169	7	14	7	0.14
406 10298	0	S01	6026	4	0	13	84146	940	2.1	107	-2.1	0.2	A	45	5.2	-168	11	15	11	0.09
406 10299	0	C02	5869	4	0	9	84146	940	1.2	-89	1.2	-0.2	A	43	7.6	170	12	17	12	0.00
406 10300	0	C02	5870	4	0	10	84146	1125	9.3	73	-9.2	-1.2	A	25	13.3	171	11	16	11	0.09

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