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Final Report

F-A2169-5-1

FLIGHT STRIP UPDATE INVESTIGATION

by
G E Cothren, Jr

May 1959

Prepared for
**OPERATIONS ANALYSIS DIRECTORATE,
BUREAU OF RESEARCH AND DEVELOPMENT,
FEDERAL AVIATION AGENCY**

Under
Contract No FAA/BRD-14

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FOREWORD

The Bureau of Research and Development of the Federal Aviation Agency has been concerned with the problem of estimating the number of updates or revisions made per unit of time on the flight strips used by air traffic controllers to control air traffic flying under IFR flight regulations. This information is needed to insure the adequate and economical design of computers currently being developed to assist in the control of air traffic in the future.

The purpose of this report is to supply some of the required answers by an analysis of representative flight strips selected from actual flight strips used August 1, 1958, in the New York Air Route Traffic Control Center. The work has been performed under Task No. 5 of Contract No. FAA/BRD-14.

INTRODUCTION AND DISCUSSION

The problem of delineating the design specifications of a computer such as the General Precision Laboratory computer to be used in the control of air traffic, requires knowledge of the amount of data to be handled per unit of time and for this application in particular, the rapidity with which it must be displayed for the controller to make his air traffic management decision. Therefore, the BRD requested The Franklin Institute Laboratories (FIL) to devise methods of providing the required information.

The FIL proposed an examination of representative flight strips from the New York ARTCC supplemented by an over-the-shoulder observation technique at the New York Center to secure the desired information. The principles of these methods were accepted by the BRD and preliminary steps were undertaken to delineate the details of the data reduction program required.

This phase of the project, however, promptly encountered difficulties in that various questions concerning the precise meaning of the term "update" and the manner in which the computer was expected to function could not be answered. However, after a series of meetings with BRD personnel and lengthy discussions of a number of questions considered pertinent by FIL, the problem area was partially resolved by a decision to proceed with an analysis of the August 1, 1958, flight strip data as noted below.

It was agreed that the data would be tabulated in a comprehensive manner to enable rearrangement of the data as and if required by circumstances arising after the analysis was completed. This led to a compilation of Tables I and II which contains flight strip data recorded over the 1900 to 2200 (GMT) hour time. This period of time, corresponding to 3:00 to 6:00 PM EDT, on a Friday afternoon, is normally one of the busiest periods in the New York ARTCC.

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Table I contains five items of information per row taken from each individual strip; namely, aircraft identification, reporting fix, time reporting over fix, estimated and changes in estimated time of arrival over fix, and altitude and changes in altitude appearing on the strip. From this information, the number of updates per strip was totalled. An update, for the purposes of this report, is defined as a time report over a fix or as a change in either ETA or altitude. Thus, in Table I there must be a minimum of one update per strip as a time report is an update. Table II is identical to Table I except that there were no position reports recorded for any of the strips listed in Table II, hence there may be zero updates per strip in Table II. The data are listed in chronological order in both Table I and Table II. The Table I data may be seen to be in 'time over fix' order and Table II in 'initial ETA' order.

It should be noted in the definition of update that neither the initial ETA nor the initial altitude are considered as updates. This assumes a contemplated procedure in the future wherein the computer prepares the flight strips and prints the original ETA and altitude on the strip at the same time that all original, or basic, information such as identification and routing, is printed. The preparation of all original information on the strips has not been considered as an update in this report. It should be remembered, however, that the very nature of preparing strip information can, or perhaps should, be considered as an update, depending on the precise definition of the word update. If the eventual definition of update should make it necessary to include an additional update for each aircraft when compiling total numbers of updates, this can be done using the data in Table I and Table II.

It may also be noted that the items included in the definition of update include only the most basic information considered necessary. It is presumed that various miscellaneous information presently added to strips by controllers, will not be required when using a computer,

primarily because of the computer's ability to continuously refer to its memory. The inclusion of the name of the fix as part of the data was considered necessary on the premise that the number of updates per sector may also prove to be of importance. The method of tabulating data from the strips is illustrated in Figure 1 where illustrative examples from Table I may be correlated with the particular strip from which the data came.

RESULTS

It is assumed that all updates on a given strip occurred at either the time of the position report on the strip (in Table I), or at the time of the initial ETA (in Table II). The number of updates per strip is tabulated in Tables I and II and, proceeding on the assumption noted above, the number of updates per desired unit of time may then be summed as requirements dictate. One such summation has been made and presented as Table III.

Table III contains a compilation of the total number of updates made in each five minute interval of time throughout the three hour period (column 14 of Table III). In addition, the component parts making up the total number of updates i.e., number of ETA updates, number of altitude updates and number of position updates, are given in columns 11, 12 and 13 respectively. Totals of the number of updates per hour for the 1900, 2000 and 2100 hours are also shown in Table III.

The data of Table III are shown in graphical form in Figures 2 and 3. (It should be noted that a point plotted in either Figure 2 or Figure 3 is the sum of the data occurring in the preceding five minutes hence, of course, the curves are not actually continuous and are joined by straight lines for purposes of clarity only.) It may be observed that the data in each of the columns in Table III have been plotted.

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Examination of the five minute Table III data revealed that the maximum number of updates per hour occurred during the time period 2016-2115 and totaled 1,147.



G. E. Cothren, Jr.
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Approved by:



R. S. Grubmeyer, Head
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Lewis P. Tabor
Technical Director

for 
Nicol H. Smith
Director of Laboratories

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
1 MS0632	XCP 1901	1909-00	90	2
2 X90428	000 1901/14	1904	60-40- 60	4
3 T372	ABE 1901	1854-50-59	150-140- 100	5

MS0632

1	2	3	4	5	6	7	8	9	10
MS0632	XCP	1901	1909-00	90					

Form ACA 500 2B

X90428

1	2	3	4	5	6	7	8	9	10
X90428	000	1901/14	1904	60-40- 60					

Form ACA 500 2B

T372

1	2	3	4	5	6	7	8	9	10
T372	ABE	1901	1854-50-59	150-140- 100					

Form ACA 500 2B

- * Departure time noted only when different from arrival time.
- ** ETA-Estimated time of arrival.

FIGURE 1 METHODS OF TABULATING DATA

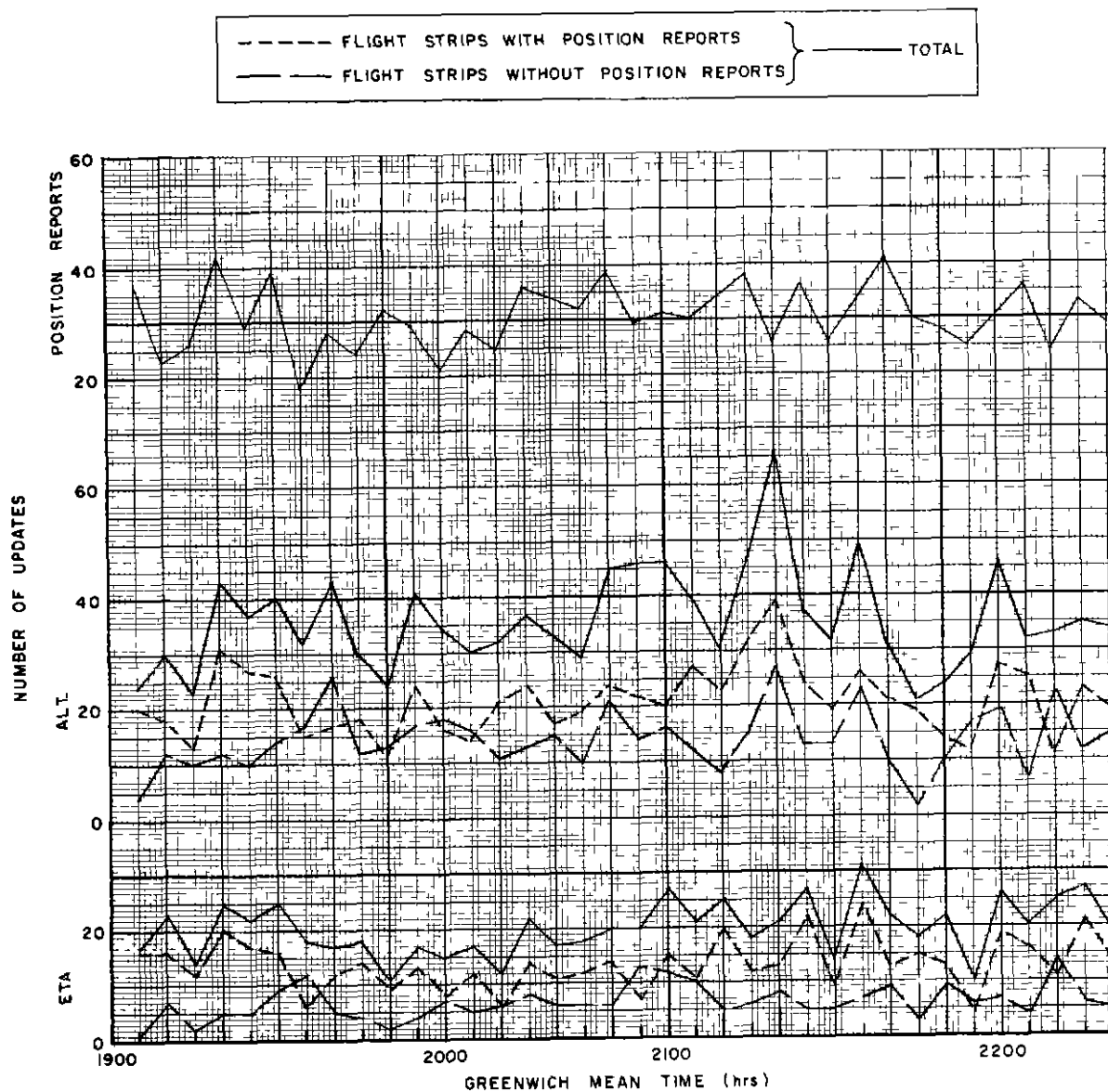


FIGURE 2 NUMBER OF UPDATES MADE IN ESTIMATED TIME OF ARRIVAL (ETA), ALTITUDE (ALT) AND POSITION REPORTS PER FIVE MINUTES FROM 1900 TO 2200 HOUR (GMT)

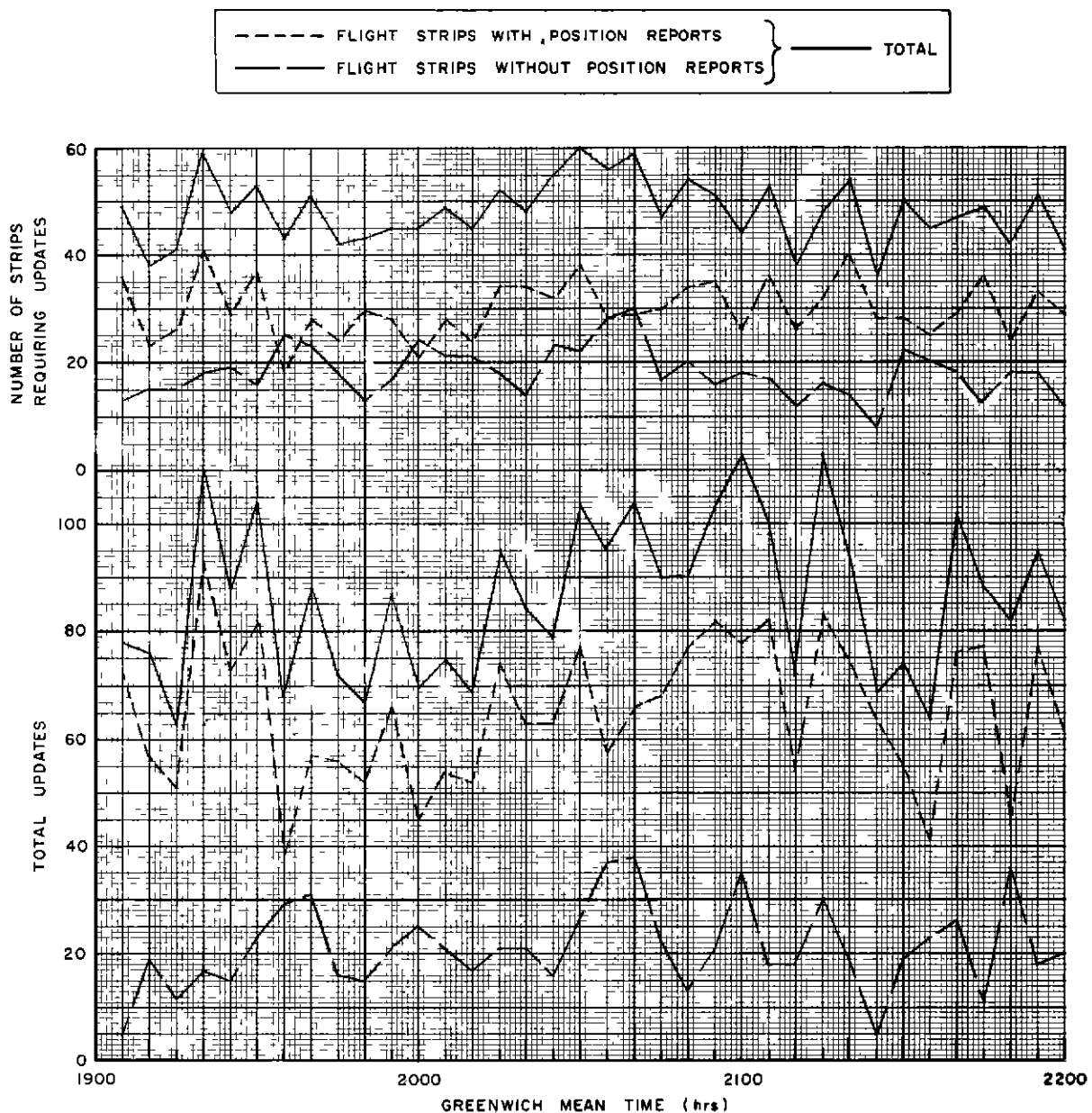


FIGURE 3 TOTAL UPDATES MADE AND TOTAL NUMBER OF STRIPS REQUIRING UPDATES
PER FIVE MINUTES FROM 1900 TO 2200 HOURS (GMT)

Table I

TABULATION OF FLIGHT STRIP INFORMATION TO DETERMINE

TOTAL NUMBERS OF UPDATES MADE ON

FLIGHT STRIPS WITH POSITION REPORTS

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
1 M50632	ACP 1901	1900-00	90	2
2 A90428	OOD 1901/14	1904	60-40 60	4
3 T372	ABE 1901	1854-50-59	150-140- 100	5
4 A223	S/LYN	1905	100-90-110 100	4
5 V1066	NXA	D	30 60	1
6 E991	CYN	1856	40-40-120	3
7 P285	SBY	1900	110	1
8 U647	PHL 1901	D	60	1
9 G154	IDL 1902	D	40/F1R	1
10 G5295	ATO	1916	110 90	2
11 J107	NBD	1853-02	180	2
12 P13	AVP	1906	140	1
13 AF49503	VIN	1901	100	1
14 A800	SEG 1902	1903-00	70 V/0	3
15 G205	VI 1903	1900-50-00	120 50-70	5
16 P173	BMD		120-70	2
17 A169	IFT	1908-02	120	2
18 V27732	S3Y	1844-1912-02 05	100	4
19 AFR10218	ELM	1914-05	150	2
20 M3247	AWF 1903	1907	180	1
21 X1040	NBD 1904	1902	VER FTZ-80	2
22 F137	AVP	1907	120	1
23 A20616	ILG	D		1
24 T160	SET	1902	150/104- 130/STF	2
25 AF90165	A3L	1910-04	110 90	3
26 E635	ACY	1904	40-110	2
27 L586	OOD 1904	1905	100 90	2
28 A30029	DOV 1905	D	50	1
29 A41V	PDP	1902	90	1
30 V149	ILT	1903	120	1
31 T331	PSB	1914-08	160	2
32 U900	PSB	1855-03	130	2
33 A223354	POU	1852-14	60	2
34 AF50188	WRI	D	40/40 120-140	2

*Table I contains all the data from flight strips wherein time reports were recorded on the flight strips. Departure time was noted only when different from arrival time. Table II contains all flight strip data where time reports were not made.

**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip.

Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
35 E87	PTW 1905	1905	80	1
36 E844	ENO 1905	1907	90	1
37 X2DM	NW 1906	1913-06	70	2
38 X7573	VIN	1845-1910	40	2
39 T6092	KHK	1909-05	150	2
40 V9655	HAR	1903-08	80	2
41 U536	PHL 1906	D	50	1
42 ABSTRACT	POU 1907	1907-00-04	100-100-100	5
43 X81N	DOV	1906	80	1
44 V51263	HAR	1845-05	90-100	3
45 AF62117	SLY	1901	100	1
46 SAS914	WC 1907	1903	70-130	2
47 X2654B	PHL 1908	1902-07	110-100-80	3
48 A625	CVT	1911	40-90-100	3
49 V20602	RVH	1855-05	100	2
50 P137	AVO	1912-08	120	2
51 E582	PHL 1908	1905	80-70	2
52 E11	XTU 1909	1911	190	1
53 T403	STW	1905-09	60-50-40-60-50-	6
54 AF16158	POU	1835-51-56-00-10	90-70-80	7
55 E508	LNO 1909	1915	230	1
56 T28	HAR 1910	1912	130-150-130	3
57 A84	ENO	1911	210	1
58 U622	PSB	1909	170	1
59 AF00670	AVP 1910	1911-08	100-70-100	4
60 U647	PTW 1911	1911	60-110/3"W	2
61 T355	AVP 1912	1911	160	1
62 AL912M	HAR	1912-14	110	2
63 GULL	SL	1915	180	1
64 XL11D	VIN	1913	110	1
65 G202	OI	1902-11	180-200	3
66 T87	STF	1912-12	150-160	3
67 T160	ELM	1912-09	150-130	3
68 P272	SEQ	1913	110	1
69 P63	STF	1912-12	110-120	3
70 AF49425	RWD 1912	1905	60-100/RWD-70	3

* Table I contains all the data from flight strips wherein time reports were recorded on the flight strips. Departure time was noted only when different from arrival time. Table II contains all flight strip data where time reports were not made.

** ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip.

Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
71 E87	GAP 1912	1911	80	1
72 E646	ACY 1912	1911	190 -150	2
73 LaV252	OL 1913	1925 -24	180	2
74 U536	GIA 1914	1914	50	1
75 P38	KNO	1906 -10	170	2
76 AF10218	BGH	1926 -17	150	2
77 E586	GIA	1915	100 -90	2
78 E844	VIN	1916	90	1
79 S850	SBY 1914	1909	190 -170	2
80 A3830	VI 1915	1918	70	1
81 A84	VI	1924	210-130 -150	3
82 U107	TA	1907 -17	180	2
83 V39759	SBY	1923 -17	60	2
84 E601	SBY	1908 -13	180 -200	3
85 AN49503	ENO 1915	1917 -19	100	2
86 A625	VTH 1916	1917	90-100	2
87 A169	NBD	1922 -15	120	2
88 T355	AVO	1917	160	1
89 A168	ABE	1907-12 -16	90-80	4
90 P173	PTW	1915	120	1
91 AF11734	ABE	1908 -17	70	2
92 T508	VIN	1922	230-210-190 -170	4
92 C205	CYT	1918-02 -13	120-80 -70	5
94 M149	PNJ 1916	1912	120	1
95 M30029	PNR 1916/32	1916 -19	50+80	3
96 E66	ENO 1916	1916	70	1
97 T28	LRP 1917	1921	150 -130	2
98 S851	IDL	D	70 -VFR	2
99 E991	E O	1910 -16	80-120	3
100 A123	LCA	D	GTN/160	1
101 A223	STF 1917	1924 -18	100	2
102 U637	LCA 1918	D	GTN/120	1
103 P137	IFT	1925 -19	120	2
104 AF19425	LAP	1918	60-100	2
105 AF49085	CYN	1913	100	1
106 U647	PHD	1921	60-180	2
107 S70C	ENO	1916	110	1
108 ADE126	XCD	1934 -25	60	2
109 E646	CYN 1918	1916	190 -150	2

*Table I contains all the data from flight strips wherein time reports were recorded on the flight strips. Departure time was noted only when different from arrival time. Table II contains all flight strip data where time reports were not made.

**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip

Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
110 A70	NBR 1919	1915-19	130-100-40-60-70	6
111 A34	ELN	1917	170	1
112 J900	HAR	1910-19	130-120	3
113 E565	CYN	1910	60-120	2
114 M3293	XSH	1907-13	100-1160 VAF	3
115 X1040	FTZ	1918-21	V3R4T2-30	3
116 X41N	PHL	1917	90	1
117 X80Q	ABE	1917-20	70-V/0-90	4
118 E856	HTS 1919	1920	100-90-60	3
119 N77	STW 1920	1921	140	1
120 X7573	ENO	1940-22-19	10	3
121 SHAM102	IDL	)	60/FAR-VFR	2
122 M149	CDW	1917	120	1
123 M7661	50	1917-25	120	2
124 A84	CYN	1924-22	210-130-160-120-130	6
125 AF50292	LCA	1920	V256/60-80	2
126 U536	HTT 1920	1919	50	1
127 AF23354	SFL 1921	1904-30-21	60	3
128 U622	SEG	1920	170	1
129 T323	CYN	1910-19	100-40-140	4
130 E844	CYN	1924	90	1
131 E508	CYN	1928-27	230-170-140-130	5
132 M7659	WCP	1914	170	1
133 X1912.	LRP	1930-25	110	2
134 X111D	CYN	1924	110	1
135 E635	SBY 1921	1924-22	140-160	3
136 V89468	SBY 1922	1918	90	1
137 T28	GAP	1926	150-130	2
138 T160	BGM	1919	150-130	2
139 V33254	MDT 1922	D	50-60/ -120/A 70	3
140 P43	STF 1923	1928-24	140	2
141 E2	NW	1914-19	100	2
142 X90428	ENO 1923	1915-25-19-25	60	4
143 A625	ENO 1924	1924-22	160-120/VTR 160	3
144 P285	ACY	1920	110-120	2
145 T6092	PSB	1924-20	150	2
146 E63	LGA	D	60-50	2
147 G294	XWF	1912-24	200-180-140-40-40-60	7
148 X3240P	ILT	1928	60	1
149 E66	OOD 1924	1924	70	1

*Table I contains all the data from flight strips wherein time reports were recorded on the flight strips. Departure time was noted only when different from arrival time. Table II contains all flight strip data where time reports were not made.

**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip.

Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
150 AF90165	COL 1925	1927	110-90-60-40	4
151 AF15774	LDO	1813-1908-13	110-70	4
152 L7	HAR	D	40/L I	1
153 X14282	RHD	1925	50-60	2
154 X81N	SBY	1922-30	80	2
155 E646	COL 1925	1925	190-150-90-130-150	5
156 VI066	ESR 1926	1925	60- 180 /ESF	2
157 A34	BGM	1926	170	1
158 P272	ABE	1925	110	1
159 U900	LRP	1918-1927	130-120	3
160 E62	EWR		40	1
161 S700	VIN	1924	110	1
162 G216	DO 1926	1924-29	120	2
163 A117	LCA 1927	D	V256/100	1
164 T28	ESR	1929	150-130-90	2
165 AF60494	NW	1934-26	250	2
166 E838	XTU	1917-25-30	170-100	4
167 G60C	DO	1925-27	110-118 CVFR	3
168 M30050	EMO	1925	90	1
169 G3133	NW	1928	180	1
170 G201	XTU	1928	170-130	2
171 G76	WCP	1923	2-150	2
172 X7573	ING	1847-1927	40	2
173 X6540C	OI	1927	160	1
174 X90428	DOV 1927	1919-1929	VSP-60	3
175 T355	IPT 1928	1929	160	1
176 ML49	BID 1928	1924	120-40	2
177 V1687	XWF 1929	1936	80	1
178 P137	NBD	1928-31	120	2
179 U900	GAP 1929/36	1923-32	130-120-90-4	5
180 U647	HAR 1929	1932	180/ MT-130 /MDT	2
181 J.PENNER	SEG	1724-1924	V/8	2
182 A84	RIS 1929	1943-1933	210-160-130-120-70	6
183 V29602	XWF 1930	1917-27	100	2
184 T28	PHL	1933	150-130-60-90	4
185 P285	CYN	1925	110-120	2
186 P38	PSB	1920-24-30	170	3
187 AF11734	CYE	1921-31	70	2
188 S850	ACY 1930	1925	170-150-130	3

*Table I contains all the data from flight strips wherein time reports were recorded on the flight strips. Departure time was noted only when different from arrival time. Table II contains all flight strip data where time reports were not made.

**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip.

Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
189 G154	WCP 1930	1924	70-130-110	3
190 X75416	DO	1939	90	1
191 E509	POU 1930	1934	60-120	2
192 X14282	LRP 1930/40	1930	50-60	3
193 F328	POU 1931	1936-32	140	2
194 A169	FTZ	1937-30	120	2
195 D770	ENO 1931	1934	210	1
196 S700	CYN 1932	1930	110	1
197 X3211C	STF	1930	170-150	2
198 N77	AVO	1928	140-200/VFR	2
199 L705	HAR 1932	D	40-GPK/40-50	3
200 EWI393	SW 1933	1937		1
201 R64041	PHL 1933	D		1
202 U207	PHL 1934	D		1
203 D415	PHL	D	LOW	1
204 AF49085	MTV 1934	1930-35	100	2
205 U622	ABE 1935	1933	170-130	2
206 A123	BCH	1934	160-150-140	3
207 S850	CYN	1930	170-150-130-110	4
208 S851	CYN	1943-37	VFR	2
209 M30050	DOV	1929-34	90-80-70-60-50-40	7
210 J.PENNER	BER 1935	1755-1805	V/0	2
211 B2	ENO 1936	1934	170	1
212 TFRY323	ENO	1929-39	140	2
213 B62	BCH	1936	40-70-110	3
214 E2019	POU 1936	1939	80	1
215 J.PENNER	HAR 1937	1807-1907-45	V/0	3
216 U637	STW	1935	120	1
217 M40173	EZ	1914-12-26-39	120-100	5
218 AF82117	XWF	1939	100	1
219 T6092	SEG	1935-31	150	2
220 E565	ENO 1937	1932	120	1
221 X709Z	IP 1938	1938	70	1
222 SHAM102	FIR	1931	60-70	2
223 G202	XTU	1930-39	180-200	3
224 F328	ILT	1944-39	140-100	3
225 X3240P	NBG	1932-38	60	2
226 M30029	MTV 1938	1935	100-80-100	2

*Table I contains all the data from flight strips wherein time reports were recorded on the flight strips. Departure time was noted only when different from arrival time. Table II contains all flight strip data where time reports were not made.

**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip.

Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
227 AT6916C	60 1939	1931-20	110	2
228 M149	NXX	1930	120-40	2
229 M3293	XSV	1939	160	1
230 AF50292	BMD		60-80	2
231 A7917D	PHL 1939	D	50-70	2
232 ABS17	55 1940	1949	80-90-10	3
233 M50632	65	1954-43	90	2
234 S851	ACY	1942	VFR-150-140	3
235 T930	WCP	1937	70-110	2
236 T145	BCH	1939	140-160	2
237 V2484	HEM	1942	330	1
238 E323	ILT 1940	1944	80-150	2
239 A90428	SBY 1941	1935-45	60	2
240 AF12649	BGM	1945	100	1
241 AF 00670	POU	1940-17-40-40	100-70	5
242 P38	SEG	1930-34-40	170	3
243 E602	ILT	1941	50-90	2
244 T355	NED	1942	160	1
245 T323	ING 1941	1941	140	1
246 B2	VIN 1942	1941	170-160-150-140-130	5
247 AF23354	AVP	1920-46-41	60	3
248 V39114	SBY	1937	110	1
249 E38	LRP 1942	1936	70	1
250 F328	SYO 1943	1950	140-100-60	3
251 S511	IDL	D	70	1
252 P137	FTZ	1953-45	120	2
253 U620	KNY	1943	170	1
254 D770	CYN 1943	1944	210-180-130-120-110	5
255 AF49085	DOV 1944		100	2
256 A77	IPT		140-200	2
257 AF00670	POU		100-70	5
258 E63	BMD		60-50	2
259 A117	BLD		100-70	2
260 E687	LGA 1944	D	VFR/NXX	1
261 A123	AVP 1945	1944	150-140	2
262 AF5540	POU 1945	1944-40	100-90	3
263 AF23914	POU 1946	1952	60	1
264 A906	SEG 1946	1949-46	110	2

*Table I contains all the data from flight strips wherein time reports were recorded on the flight strips. Departure time was noted only when different from arrival time. Table II contains all flight strip data where time reports were not made.

**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip.

Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
265 AF75874	STF 1946	1947	90	1
266 AF50292	WAR 1946	1947	60 -80	2
267 AF5540	POU 1947	1944-40-47	100 -90	4
268 A118	PDP	1948	150	1
269 A232	STF	1948	150	1
270 TFRY782	60	1947	190	1
271 E38	TD	1941	70/740	1
272 E11	SL 1947	1953 -48	190- 160	3
273 A30029	ENC 1947/C1	1942	100 -80	3
274 V29602	ATY 1948	1937-47	100	3
275 AC1698	WFI	D	330	1
276 F136	KNA	1947	130	1
277 A111D	PAT	1953	110	1
278 P22	CYN	1947	170-150-130 -110	4
279 SHAN 102	WCP 1948	1948 -51	70-90	3
280 U637	AVO 1949	1951	120	1
281 A143	BCH	1948	110 -120	2
282 TH92	HAR	1950	110	1
283 A216	KNC	1947	150	1
284 L7	IPT	1951 -55	40	2
285 X90768	IDL	D	FTR/40-60	2
286 A1251W	HAR	1945	90	1
287 X3240P	SPL 1949	1944 -50	60	2
288 Q66469	WWD 1950			1
289 T145	AVD	1951	140 -160	2
290 P66	NBD	1949	130	1
291 AF23770	ELM	1944 -50	70	2
292 '213	IDL 1950	D	TR CW 60	1
293 T17	ILT 1951	1956 -51	120- 150	3
294 F72	ENO	1948	190	1
295 E62	POL	1956 -51	110	2
296 E602	POU	1951	130 -120	2
297 M3293	PTR	1951	160 -120↓	2
298 X90910	HBT	D	50-60	2
299 VM1687	ACY 1951	1958 -53	80	2
300 V2484	ACY 1952	1950	330	1
301 T312	SEG	2000-00-1955	190	3
302 AF82117	CYN	1957	100	1
303 GULL		2000	100 -180-170	3
304 EABLE 102	CTU	1948	WIR/KSI-190-170-150-140	5

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
305 R64041	PTW 1952	1946	60-40	2
306 T6092	ABE 1953	1948-52	150-480	3
307 T862	FIR 	1952	50-70	2
308 AFR649	ELM 1953	1958-53	100	2
309 AF16137	BGM 1954	1952	80	1
310 T145	AVO 	1957	140-100	2
311 A123	CLY 	1955	180-100-140	3
312 V12410	ENO 	1915-14-46-50	70-110-110-70	7
313 AF50292	PTW 1954	1954	60-80	2
314 V45963	WTF 1954/2001	1950	120-VFR	3
315 AE25806	ELM 1954	1953	110	1
316 V89468	ACY 1955	1952	90	1
317 T355	FTZ 	1958	160	1
318 P38	ABE 	1942-46-53-55	170	4
319 4709A	WCP 	1950	70-170-100	3
320 V67251	WPI 1955	D	80-120	2
321 P127	AVP 1956	1955	120-130-140	3
322 A232	IPT 	1955	150	1
323 P3293	MTV 	1958	160-120-110	3
324 C201	OI 	1956	170-130	2
325 1321K	AVP 	1941-53	170-150	3
326 N77	NBD 1956	1952-57	140-200	3
327 A117	PTW 1957	1956	100	1
328 A118	OOD 	1958	150	1
329 T492	LFP 	1958	110-100-70	2
330 45X	PDP 	1958	70	1
331 AF45935	PNR 1957	1955	30-40-60/VFR	2
332 SAS912	IDL 1958	D	FIR/70-50	2
333 41251W	LRP 1958	1955	90	1
334 U620	PSB 1959	1957	170	1
335 A143	AVP 1959	2000	110-120	2
336 U644	KNX 2000	1956	110-170	2
337 L802	ACY 		VFR	1
338 LAV252	O3 	2023-33-12-00	180	4
339 S851	S3Y 	1959-2004	100-140-200	4
340 V67232	SBY 	1920-1953-2000	60-80	4
341 AF50292	GAP	2000	60-80	2

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
342 XL11D	WCP 2001	2012-04	110	2
343 AF29561	PSB 2001	1954	310	1
344 KLM632	IDL 2001	D	50	1
345 X6540C	XTU 2002	1959	160	1
346 A90768	FIR	2001	20-60-190	3
347 E506	DOV	1956-2014	170-150-140-130	5
348 E568	HTY	1956	50	1
349 AF82117	VIN	2007	100	1
350 P127	SLYM	2000	120-130-140	3
351 P66	SEG	2000	130	1
352 V41011	ACY	1950	WTR-60	2
353 U637	IPT 2002	2004	120	1
354 E66	DHL 2003	D	40	1
355 P72	CYN	2001	190-130	2
356 A117	CAT	2001-04	100	2
357 XL251W	GAP	2003	90	1
358 XL6X	EWB	7	EH/GC	1
359 R64041	GAP 2003	1957-2001	60	2
360 E532	PDP 2004	2002	90-100	2
361 AFL1734	POU	1954-2003	70	2
362 AF10539	CYN	2000	40	1
363 AF23914	SPL	2004-1958	60	2
364 P136	PSB 2004	2001-03	130	2
365 T145	IPT 2005	2010	140-160	2
366 T312	ABE	2014-11-06	190-180-170-140/11 Y	6
367 AF23354	IPT	1941-2012-05	60	3
368 AF23770	BGI	2000-05	70	2
369 A709A	NPT 2005	2003	170	1
370 V89468	CYN 2006	2001	90	1
371 A123	STF	2007	150-140	2
372 A232	CYE	2005	150	1
373 G138	IDL 2006	D	70	1
374 S389	IDL 2007	D	60	1
375 T862	WCP	2004	70-150	2
376 X32K	HUO	1950-2000	170-150	3
377 S506	PDP	2008	80	1
378 E506	MIV	2002	170-150-140-130-120-	6
			110	
379 T484	PSB	2007	90	1
380 A216	PSB 2007	2001-05	150	2

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
361 V45963	CYN 2008	2003	120	1
382 A118	HIT	2011	150-110-100-40	4
383 E614	LGA	D	40	1
384 E325	POU 2008	2012	120	1
385 V46027	EJO 2009	2054	140↑VFR	1
386 AF16137	CYN	2009	80	1
387 A105	IDL	D	FF/130-100-90-70	4
388 V39932	PTY 2009	2013	70	1
389 J620	SEC 2010	2007-08	170	2
390 AF10611	CYE 2010/26	2013-03-13	90-70-↑	5
391 P72	COL 2010	2007	190-130-110-100-80-40	6
392 A5A	OOD	2012	70	1
393 A600	CI 2010	2011-13	140-180	3
394 T162	SLG 2011	2018-13	190	2
395 E687	WAR	2012	VFR-70-00	2
396 SAS712	FIR	2010	70-50-↑90	3
397 M77	FTZ	2006-2010	140-200	3
398 N213	STW	2012	VFR-140	2
399 OOSF3	IDL 2011	D	FIR/70	1
400 A232	ABE 2012	2011-14	150-120	3
401 P270	PDP	2011	110	1
402 AF10109	IAR	2008	110-130-110	3
403 A3240P	STP	2004-10	60	2
404 A321K	WPT	2005-09	170-150-70-100	5
405 A1251AN	BYN	2011	90	1
406 V67268	SBY 2012/42	2010	30-↑40/53↑-40	4
407 T7	IOL 2013	D	80-40-50	3
408 U637	NBD	2017	120	1
409 A191	LGA	D	BCH/50	1
410 TFRY105	STW		180	1
411 AF82117	DMO	2022-13	100	2
412 G134	NW 2013	2028-33	190-170	3
413 V1005	LTO 2014		130	
414 V2354	SBY 2014/44		70	
415 V17152	SBY 2014		V/0-90	
416 AF10539	IIV		40	
417 E532	OOD		100	
418 KLM61	POJ		80	
419 N210	NBD		170-170-160↓	
420 V46027	FBT 2014	D	VFR-VFR-CYN	

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
421 M32662	DOV 2015	2029	90-110	2
422 V45963	VIN	2010	120	1
423 T484	MLH	2015	90-60-50	3
424 P136	SEG	2012-14	130-110/COL	3
425 G216	OI	2039-18-10	120	3
426 M33271	HAR	2026-20	150-	2
427 X75416	03 2015	2024-15	190-	2
428 U644	PSB 2016	2010-16	110-170	3
429 U623	LGA	D		1
430 AGL698	HAR	2015	330↑MFX	1
431 V12410	VIN	1928-2000	110-70	3
432 E506	CYN	2011-16	170-130-110-100-90	6
433 S511	CYN	2011	70-180	2
434 E2	BI	2006-16	100	2
435 G154	XCD	2006-18	130	2
436 X1215W	OOD 2016	2015	90	1
437 VM1687	SBY 2017	2024	80	1
438 V39114	CYN	2010-18	110	2
439 AF45935	MIV	2004-17	30-50	3
440 P127	STF	2017	120-130-140-120	4
441 X90768	WCP	2016	90↑170	1
442 N551	IDL 2017	D	VFRSTW	1
443 G3133	BI 2018	2019-20	180	2
444 X46TE	ELM	2022	70	1
445 X3460B	WAR	2022	80-100	2
446 U610	KNX	2020	170	1
447 V1005	VIN 2018	2020	130	1
448 A143	ELM 2019	2022	110-120	2
449 A216	SEG	2011-15	150	2
450 T862	NPT	2017	150	1
451 E687	PTW	2020	80	1
452 G102	IDL	D	60	1
453 L715	PSB 2019	D	40	1
454 VM32662	MIV 2020	2024-23	90-110	3
455 VM32375	ILG	2035	90-60	2
456 T145	PSB	2027-21	140-160	3
457 P946	SEG	2018	120	1
458 AF23914	AVP	2020	60	1
459 M7661	55	2020	120	1
460 E66	HIG	2018	40-50	2
461 X906	AVP 2020	D	2-50	2

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
462 BL	PDP 2021	2019	90-100	2
463 LAE25702	WRI		60	1
464 PL5	AVP	2024	70-140	2
465 S389	XWF	2020	60-80	2
466 464	STW 2021		60/BH-80	2
467 P270	PHL 2022	2019	110	1
468 AF10109	SEG	2020	110	1
469 EL03	EWR	D		1
470 S511	ACY	2016	180	1
471 S506	PHL	2017	80	1
472 120173	AS	1953-2016-1953-2035	120-100	5
473 NURSE57	PSB	2020	V/6	1
474 AL251W	IV	2020	90	1
475 KLM61	ILT 2022	2016-22	80	2
476 N213	AVO 2023	2025	WRR-110	2
477 OOSFB	FIR	2023	70-150	2
478 SH01	IDL		70	1
479 E501	COL	2018-23	170-130-40-110-90	6
480 E523	LGA			1
481 E614	ILF	2024	40-50	2
482 T373	ILT	2022	60	1
483 V89468	XWF	2020	90	1
484 D328T	PDP 2023	2023	190	1
485 A90910	ESR 2024	2019-24	50-60	3
486 A324OP	BGM	2015-21	60	2
487 AF23354	NBD	1954-1932-1925	60 NBD-↑80	4
488 VM17156	SLY	2020	130	1
489 U620	ALE 2024	2018-24	170-160-140	4
490 U925	EMF 2025	D		1
491 TFRY105	AVO	2028-25	180	2
492 T162	ABE	2031-25	190-180-170-160	5
493 AF23914	AVO 2025	2025	60	1
494 G133	NW 2026	2026	180-200	2
495 L8767	OL	2015	120	1
496 E318T	PDP	2022	90-80	2
497 P66	NBR	2021-27	130-90-40	4
498 G1282	CYN	2029	120	1
499 AF45935	ENO	2016-27	60	2
500 V45963	ENO	2020-27	120	2
501 SAS912	WCP 2026	2025	90-130	2

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
502 448UC	DWR 2026			1
503 N210	SLG 2027	2023-27	170	2
504 X90910	BYN	2023-26	60	2
505 X6540C	AWF	2028	160-80-40-30	4
506 M835	IDL	?	50	1
507 M33271	LPZ	2033-27	150 1DT	2
508 U614	SEG	2021-26	116-170-160	4
509 U637	FTZ	2032		1
510 U212	KMX	2029	90-70	2
511 V41011	SBY	2010-27	60	2
512 E687	GAP	2027	80	1
513 E832	O5 2027	2025	120	1
514 X3460B	PTW 2028	2030	80-100	2
515 X7917D	HAR	2025-30	V/6	2
516 E514	PHL	2030	120-130-120	3
517 TL07	PTW	2029	60	1
518 A122	STF 2028	2033-23-28	110	3
519 AF19238	SWF 2029	D	I/8-V/8VFR	2
520 T405	EWR	D	60/STW	1
521 A105	ILT	2024	130-160-90-70-110	5
522 E610	PHL 2029	D	40	1
523 Q66469	O/VIV 2030/0304		VFR-20-40-VFR	5
524 A520	PDP 2030	2024-30	70	2
525 A191	BCI		50-110	2
526 AF10109	BER	2029	110-110/90	2
527 E614	POU	2033	50	1
528 DLH423	IDL	D	50	1
529 LAV252	DO	2100-2140-2038	180	3
530 B4	PHL	2028	100	1
531 F329	IDL 2030	D	VFR GNC	1
532 X90910	PHL 2031	2026-31	60	2
533 X54	HIT	2031	70-50	2
534 X906	BER 2031	2030	50 70N/L D K100	2
535 T7	ILT 2032	2028	80-160-50	3
536 E403	B ID		40	1
537 V1005	CYN	2028	130	1
538 AF50188	CYN	2016	40-120-110	3
539 SAS922	IDL 2033		40-40	1

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
540 146X	AVO 2033	2035	60-80	2
541 L802	LRP		VFR	1
542 TRY782	55	2039-34	190	2
543 A216	ABF	2023-29-36	150-140-130-120	6
544 Q1282	VIN	2037	120	1
545 132662	CYU	2046-36	90-110	3
546 10181	PIG 2033	2030	80	1
547 UC10	PCB 2034	2035	170	1
548 123	ILT	2030	160-90-120-100-80	5
549 146027	CYN	2034	110/VFR	1
550 1465	PTW	2031	50-180	2
551 L11	NW	2045-34	190	2
552 18UC	COL		30-60	2
553 1688	ILG 2034	D	50	1
554 T109	AVP 2035	2032-36	60-160-120	4
555 T107	RWD 2035	2038	60-90-10	3
556 A110539	HTY 2035/38	2030	40	2
557 A115690	SCG 2035	2031	110	1
558 L657	COL 2035		30-60	2
559 N213	IFT 2035	2036	140	1
560 TRY105	IFT 2036	2041-37	180	2
561 S701	CYU 2036	2112	70-100-80	3
562 OOSFB	WCP 2036	2038	1150	1
563 CU999	IDL 2037	D	40	1
564 P252	ELM	2042-38	130-150	3
565 L925	STW		160	1
566 AF25806	NBR	2032	110	1
567 A3	ATE	2040	80	1
568 A122	IFT	2040-30-35	110	3
569 P946	ABE	2031-37	120-90-100/SFY	4
570 AF23914	BER 2037	2041	60	1
571 F523	RMD 2037/42		70-80	3
572 EAGLE 102	BI 2037	2034	190-170-150	3
573 A3240P	TNS 2037	2020-36	60	3
574 AF18787	FSB 2038	2042	310-330-310	3
575 N33271	FHL 2038	2046-40	150-110	3
576 A3460B	GAP 2038	2037	80-100	2
577 V67251	CYN 2039	2035-44	120	2
578 MAE25792	NIV 2039	2032	60	1
579 T109	AVO 2039	2040	160-120	2

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
580 AF10109	AVO 2039	2038	110-90	2
581 AF50188	ACY	2025-39	120-140	3
582 E511	NBR	2039	170-120-70	3
583 G60C	XSH 2039	2044-33	140-180	3
584 V29602	VIN 2040	1958-2000-05-39	100	4
585 P45	STF	2046-40	140	2
586 M33302	ENO	2031-40	170	2
587 G100	IDL	D	20	1
588 A73E	SEG 2040	2042	70-80-190	3
589 A191	AVP 2041	2042	50-140	2
590 P344	HAR	2042	150	1
591 P245	AVP	2040	140-130	2
592 S511	SBY	2034-53	180-190-200	4
593 M551	STW	2038	VFR-140	2
594 U644	ABE	2035-40	170-170-160-150-140-130-120	8
595 U623	BCH		40-90-160	3
596 U207	ABE	D	40-70-80	2
597 T57	LGA	D	70/3CH	1
598 N210	ABE 2041	2034-41	170-160-150-140-130	6
599 A520	OOD 2042	2035-11	70-60	3
600 G201	DO 2042	2036	170-130	2
601 MAE5782	WRI 2042	D	2-40-40	3
602 U735	IDL 2043	D	50-47	1
603 Q1282	ENO 2043	2048-44	120	2
604 A105	SPL 2043	2039-44	130-140	3
605 BWI393	LZ 2043	2042	170	1
606 U623	AVP 2044	2045	40-160	2
607 AF10109	AVP	2044	90	1
608 E63	PHL	D	50	1
609 E610	COL	2038	40	1
610 L802	HAR 2044	2043	VFR-60-VFR	3
611 V89468	RVH 2045	2044-47	90	2
612 X3	ELM	2050-45	80	2
613 V1005	XWF	2041	130	1
614 P465	ABE	2041	50-80	2
615 AF18146	HEM	D	70	1
616 M7626	45	2029-40-38-33	110	4
617 F329	ILT 2045	2046	110	1

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
618 F331	IDL 2045	D	VFR	1
619 A222	KNX 2046	2045	130	1
620 A46TE	PSB	2056-48	70-100/70-160	4
621 G138	XTU	2049	190	1
622 G102	WCP	2047	80 ↑ VIN/	2
623 M3226	RVH	2049	160-140	2
624 P222	SLK	2042-46	130	2
625 P252	CLY	2050-46	130-150	3
626 A122	CYF	2049-40-45-47	110	4
627 A23	SPL 2046	2040-50-45	160-120	4
628 AF30650	ELM 2047	2042-47	70	2
629 SAS922	PAT	2045	40 ↑ 70-170	2
630 N213	MBM	2051	140	1
631 SAB548	IDL	D	30 →	1
632 G138	XTU	2049	190	1
633 M50632	60	2114-2044	90	2
634 T407	HAR 2047	2050-2046	60-90-100-110-100	6
635 M824	PHL 2048	D	40	1
636 G154	65	2051-51-39	130	3
637 P344	LRP	2049	150-110-130-110-100	5
638 T7	SPL	2043-49	160	2
639 TFRY105	M3D	2055-48	180	2
640 A3	ILT	2044	200	1
641 V36549	KNX	2058-48	90	2
642 V1290	SBY 2048	2059	70-110	2
643 B4	PNE 2049	2033	100-80	2
644 A46A	IPT	2053-48	60-80	3
645 COSFB	NPT	2050	150	1
646 A62	ENO	2055	210-190	2
647 U212	PSB 2049	2049	70-80	2
648 N7	IDL 2050	D	VFR STW	1
649 G216	XTU	2101-2048	120-140	3
650 AF23914	SEG	2056-50	60	2
651 P249	STW	↓	120-110	2
652 X906	SEG 2050	2036-2052	50-100	3
653 N210	NBR 2051/53	2044-51	170-150-140-130-90-70	8
654 AFRO40	IDL 2051	D	VFR	1
655 M3275	WRI	D	30	1
656 E323	LGA	D	50/BMD-70	2
657 T152	HAR 2051	2048	70-90	2

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
658 T109	IPT 2051	2052	160 -120	2
659 V17152	CYN 2051	2052-46	V/0-90	3
660 N551	AVO 2052	2052	140	1
661 G100	FIR 2052	2052	70-190	2
662 V6543	ENO 2052	2057	90	1
663 AFRO58	IDL 2053	D	VFR RVH	1
664 X80Q	PTW		80	1
665 A48UQ	CYN	2046	30-60	2
666 P252	CYE	2051-53	130-110 -150	4
667 T31	PTW	2054	70	1
668 A122	ABE 2053	2047-54	110	2
669 V1005	RVH FIR 2053	2059	130	2
670 U610	LRP 2053	2055	170-160-150-110 -100	5
671 F329	POU 2054	2056	110	1
672 AF70750	PSB	2052-57	270-330	3
673 AT6918C	IDL	D	70	1
674 S401	ACY	2057	180 -200	2
675 E509	EWR	D	VFR	1
676 AF18787	ABE	2102-56	330-310	3
677 AF19219	PSB	2055	V/0-370-390	2
678 AF10967	S/FTZ	2049-54	90-110-V/0	4
679 AF10967	BKL	2045-54	90-110-V/0	4
680 V56542	ENO 2054	2019	90-110-90 -110	4
681 M824	OOD 2055	2057	40	1
682 E523	PTW	2056	120	1
683 E63	OOD	2056	50-60 -50	3
684 P222	IPT	2049-53	130	2
685 A802	PDP 2055	2056	90	1
686 A62	VIN 2055/57	2102-2056	210-190 -180	5
687 A105	STP 2055	2051-53-58	140	3
688 T17	LGA 2056	D	40 60	1
689 DLH423	WCP	2057	80-110 /ACK	2
690 M33302	CYN	2046-56	170	2
691 P65	STW		140	1
692 A23	AVP 2056	2050-2101-56	160-90 -120	5
693 N210	COL 2057	2039-55	170-150-140-130-90 -80	9
694 ABS17	60 2057	2108-58	70 -40 80 -100	3

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**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip.

Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
695 T491	POU 2057	2058	80 -100	2
696 A520	HIT 2057	2058 -56	70-80 -40	4
697 AFR070	ENO 2057	2057	190 -170	2
698 V6543	MIV 2058	2107	90	1
699 F331	ILT ↓	2100	WFR/GWC -150	2
700 K906	HAR	2043 -59	50 -100	3
701 M835	CYN	2053	160-180 -160	3
702 ADE538	KCD ↓	2102	50 -80	2
703 T7	AVP 2058	2054 -2100	160	2
704 S4B548	FIR 2059	2059	30 [↑] 80 -70	2
705 T152	LRP ↓	2055	70 -90	2
706 MAE5782	ACY ↓	2100	40	1
707 SAS922	WCP 2059	2100	70-130-1170-120-130-140-150-160-170	9
708 P252	ABE 2100	2103 -00	130 -150	3
709 P249	AVP ↓	2051-01	120 -110	3
710 A62	CYN	2110-04	210-190-180 50	4
711 V31551	FTZ ↓	2100	70-V/8	2
712 V132662	PIC ↓	2120-10	90 -110	3
713 G60C	ASV 2100	2055-2104	180-120-100-110	5
714 X80Q	PTW 2101	2102	80	1
715 T366	SEG ↓	2057	150	1
716 A191	STF ↓	2105	140	1
717 P245	ELM	2058-2101	140-130-140	4
718 P465	AVP	2056-2100	80	2
719 VM17156	CYN	2053-2101	130	2
720 EZ	XTU ↓	2048 -58	100-120	3
721 E63	ENO 2101	2104	50	1

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
722 TFRY 105	FTZ 2102	2111-03-05	180	3
723 A105	BGI	2057- 2101-06-03	140	4
724 X3	IPT	2108-03-03	80	3
725 P236	KNX	2056	150	1
726 U735	ILT	2059	200	1
727 N213	FTZ	2107-02	140	2
728 XL8UC	ACY	2053	60	1
729 V67268	DOV	2020-40-2103	30-40/SBY-40	5
730 E523	GAP 2102	2101	120	1
731 A3	SPL 2103	2054-2101	200	2
732 P334	HAR	2059-2103	70	2
733 T31	RHD	2104	120-160	2
734 V51070	DOV	2104	60-90	2
735 U621	EWB	D	5H/120	1
736 U925	IPT 2103	2103	160	1
737 T109	NDB 2104	2106	160-170	2
738 A683	ILT	2104	100-110	2
739 A222	PSB	2101	130	1
740 M835	ACY	2100	160-180-160	3
741 E63	DOV	2110-04	50/ DOV- 60	3
742 AF50188	SBY	2035-2106	120-140	3
743 AF18787	IDL 2104	2115-07	330-300-270-210-200	6
744 A802	OOD 2105	2106	90	1
745 U212	SEG	2103	70-80-90	3
746 U907	PHL	D	60-70-60-70	4
747 A67251	ENO	2045-2106	80-120	3
748 N551	IPT	2056-2103	140	2
749 XL6X	NBD 2105	2111-2105	60-80	3
750 X56006	SBY 2106	2054-2102	90	2
751 C100	WCP 2106	2107	90-110-130-140-150	5
752 P222	CYE 2106	2056-2101	130	2
753 V56497	PDP 2107	2106	70-80	2
754 U207	SEG	2100-07	70-100	3
755 U623	STF	2108	160	1
756 AF30650	IPT	2059- 2103-07	70	3
757 AFR070	JIN	2104	190-170-160-150	4
758 A40CE	IGA 2107	D	V R/ESR	1
759 U247	EWB 2108	D	5H/100	1
760 G298A	O5 2108	2105	140	1

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
761 P334	LRP 2109	2105-09	170-90	3
762 AF10109	POU	2108	110 -90	2
763 680Q	CAP	2110	80	1
764 L360	HAR	D	40	1
765 AC29408	WRI	2100	V/0	1
766 F331	POU 2109	2108	150	1
767 P252	NLP 2110	2113-09	130-50-110-90-40	6
768 P65	AVO	2100	140	1
769 C60C	VI	2103	180-120-100	3
770 AT6218C	ILT	2114	70-80	2
771 N7	STW	2112	160	1
772 AG19547	IDL	2110	V/0	1
773 Ph65	LYN	2212-2104-10	80- 60	4
774 A182	PDP	2108	100	1
775 T866	FIR 2110	2109	70	1
776 T491	SPL 2111	2111	100	1
777 S3491	FW 2111	2116	180-160	2
778 DLH423	NPT 2111	2109	190	1
779 AF12612	GLA 2112	2055-2104	80	2
780 V36549	PSB	2128-18-13	90	3
781 A683	NBR	2110	100	1
782 S401	SBY	2122	180-200	2
783 G3133	XTU	2101-02-11	180	3
784 SAS922	UPT	2112	170	1
785 Q66469	ENO	2042-58-2112	20 (VFR)-40	4
786 P249	BGM	2103-13	120-110-120	4
787 P334	GAP	2109-13	170-90/GAP	3
788 A105	ELM	2111-16-13	140	3
789 A683	NPT 2112	2108	100-110	2
790 E509	WAR 2113	2114	80	1
791 G201	O3 2113	2104	170-130- 170	3
792 G60C	PNP 2113/17	2107-16	180-120-110-100	6
793 CUB999	ACY 2113	2111	160	1
794 SAB548	WCP	2114	80-70-110-130 130	4
795 LAV252	OI	2150-37-27-13	180	4
796 AFP070	CYN	2112	190-170-150-140-130	5
797 V6543	CYN 2113	2119-12	90	2
798 F33279	WRI 2114		20-30	2
799 A23	SFK 2114	2111-20-16	120	3
800 A3	AVP 2114	2104-11-16	200	3

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
801 S701	IDL 2114	D	70 M	1
802 E832	OL	2108	120	1
803 X5055N	LGA	D	V256/100	1
804 X3	SEG 2114	2119-14	80	2
805 T57	AVPO 2115	2111-16	70-180	3
806 T31	HAR 2115	2116	120-160/HAR- 180-180	4
807 P222	SEG 2115	2102-07-14	130-100- 80	5
808 J2354	ENO 2116/07	2031-2110	70	3
809 U951	PTW 2116	2116	60-70-60	3
810 U925	NBD	2117	160	1
811 X46CF	PSB	2110-16	70-90-70	4
812 G133	BI	2114	180-200	2
813 M3302	PAT	2109-20	170	2
814 S821	IDL	D	50	1
815 U735	SPL 2116	2114	200	1
816 AFR040	WCP 2117	2118	60-90-120	3
817 SPD510	IDL	D	M 50-70	2
818 A802	HIT	2118	90-60-40	3
819 A3	AVO	2108-15-20	200	3
820 A683	SPL	2113	100-110	2
821 T366	ABE	2113-17	150-140	3
822 P47	AVP	2118	60-140	2
823 AF18146	CYN	2115	70-80	2
824 U621	STW		120	1
825 A222	SEG	2113-17	130	2
826 N551	NJR	2117	140	1
827 U601	LGA 2117	D	GRT/100	1
828 T57	AVO 2118	2115-20	160	2
829 P236	PSB	2110-18	150	2
830 AF31924	ILM	2116	370	1
831 A782	OOD 2118	2116	100	1
832 E325	IDL 2119	D	VFR CYT	1
833 E509	PTW	2118	80	1
834 E8767	O3	2104	120	1
835 G100	NPT	2119	150	1
836 T109	FTZ	2122	160-120	2
837 TFRY 782	50	2131-21	190	2
838 E632	SBY	2116	70	1
839 E323	PTW	2124-15	100	2
840 V31551	NBD	2120	70-V/0	2
841 AF15573	HAR 2119	2120	70-90	2

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
842 V1290	CYN 2120	2135	110	1
843 V75416	OL	2130-20	90	2
844 P249	TG	2110-21	120-110-120	4
845 E630	SBY	2119	190	1
846 V56497	OOD	2119	70-80	2
847 A650	POP 2120	2119	70-110	2
848 E375	IL 2121	2132-21	80-120	3
849 A330	POU	2124	160	1
850 T7	SFL	2119-20-23	160	3
851 P65	IPT	2121	140	1
852 L057	EWR	D		1
853 U92	NR 2121	2120	50-40	2
854 E323	GAP 2122	2129-22	100	2
855 A12612	RVH 2122/27	2109-10		3
P-5 1509	GAP 2123/35	2122	80	2
857 AT69160	50 2123	2113-2050-2129	110	3
858 17	AVO	2126	160	1
859 A130650	SDC	2107-12-16-20	70	4
860 U207	PSB 2123	2115-22	70-100	3
861 G138	BI 2124	2129	190	1
862 M835	SBY	2118-25	160-150-160-170-180	6
863 AT69180	SPL	2130	80-100	2
864 360	SEC	2122	40	1
865 T866	WCF	2124	70-110	2
866 I321	EWR	D	V256/140	1
867 U212	13C	2120-24	70-80-90	4
868 MAE 5782	SBY 2124	2118-25	40	2
869 T491	AVP 2125	2125	100-120-100	3
870 AF11846	ACY	2123	80	1
871 U907	RHD	2125	60-70-140	3
872 U317	PHL	D	50-60	2
873 U247	STW		100-90	2
874 V50398	SJY	2108-27	70-90	3
875 G64	IDL 2125		40 M-50	2
876 ABE134	HAD 2126	2129	40-30	2
877 A683	AVF	2123-27	10-110	3
878 U735	AVP	2124	200	1
879 13	HAR	2133-28	80	2
880 TINSNITH 2	HAR	2136-36	V/0-360	3
881 A33302	WCF 2126	2120-31-25	170-170	4

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates* in Altitude	Number of Updates Per Flight Strip
882 P465	ELM 2127	2122-30	80-80-110 60	4
883 SAB 548	NPT	2126	130	1
884 ABS 17	SE	2128-28	80-100	3
885 P82	SEG	2126	110	1
886 P42	KNX 2127	2115-26	170	2
887 A3	IPT 2128	2117-27-31	200	3
888 B5	IDL	D	60	1
889 U925	FT2	2132	160	1
890 E836	Q5 2128	2138	160	1
891 F330	ILT 2129	2131	160-100	2
892 T491	AVO	2129	100-120-100	3
893 F377	WAR	2129	120	1
894 P236	SEG	2121-28	150-130-140	4
895 U92	ASB	2125	130	1
896 V31435	BGM	2141	120	1
897 A650	OOD	2129	110	1
898 A432	BGM 2129	2126	90	1
899 T722	WCP 2130	2129	90	1
900 T17	AVP	2128	50-60-160	3
901 X48UC	SBY	2120-32	60	2
902 OOSFC	IDL	D	60	1
903 E375	2130	2143-32	120	2
904 F330	SYO 2131	2136	160-110 80	2
905 AFRO40	IPT	2130	120	1
906 AERO 400	ENO	2144	170	1
907 T57	IPT	2127-32	180	2
908 D728T	PHL 2131	2030	190-170-140-130	4
909 GOLF 62	DOV 2132	2132	250 V/0-V/0	2
910 ADE 305	KCD	2143-36	50	2
911 CUB 999	SBY	2136	180-160 200/VFR	2
912 A367	EWB	D	PE/100	1
913 V31439	BGM 2132	2132-28	80	2
914 M3275	MSTC 2133	2124	30-150-170	3
915 EAGLE 102	NW	2130	190-170-150	3
916 N551	FT2	2132	140	1
917 P65	NBD 2133	2135	140	1
918 E531	IDL 2134	D	70	1
919 AI63	AVO 2134	2134	140	1
920 AF15573	SEG 2134	2135	90	1

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates* in Altitude	Number of Updates Per Flight Strip
921 V31551	IPT 2134	2137	70-V/0	2
922 U907	HAR 2135	2136	60-140	2
923 U317	PTW	2137	60	1
924 A95	ASE	2222-2137	180	2
925 ALOCE	CYN	2142	VFR/CYN	1
926 T153	LGA	D	GRT/160	1
927 P377	PTW	2134	120	1
928 N7	IPT 2135	2137	160	1
929 KLM 778	LI 2136	2143-39	180	2
930 A27	AVP	2204-2137	140-120	3
931 E321	SHD		140-60-70-180	4
932 E325	CYN	2140	VFR	1
933 V36549	HAR 2136	2148-33	90	3
934 L851	EWB 2136/38	D	VFR XYL	1
935 U212	NBR 2137	2147-43-34	70-80-80-80-90-80-40	9
936 T866	NPT	2136	110	1
937 B632	ACY	2136	170-160-150-170-150-130-110	7
938 A56006	CYN 2137	2125-33-38	90-70-80-70-	6
939 VM17156	RWH 2138	2130	130	1
940 V1161	ENO	2130	90-70	2
941 T149	PTW	2139	50	1
942 AF10967	IPT	2135-40	70-110-V/0	4
943 A130650	HAP	2118-23-28-36	70-60	5
944 AF54385	ENO	2136-45	410	2
945 C102	XCD	2134	130	1
946 AERO 400	VIN 2138	2151-38	170-160-150	4
947 U247	AVO 2139	2140	100	1
948 A432	HLFPIK	2136	90	1
949 P47	STF	2140	140	1
950 AF51076	MDT	D	50-60	2
951 SWR 887	IDL 2139	D	70 M	1
952 U318	KMX 2140	2141	130	1
953 V31435	ELN	2153-41	120	2
954 M3275	WCP	2136-39	30-150	3
955 G298	OS	2142	120	1
956 LAV252	XTU	2226-12-02-2148-40	180	5
957 KLM632	IDL 2140	D	60	1

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
958 U621	IPT 2141	2141	120	1
959 P377	GAP	2138	120	1
960 E630	CYN	2142	190-150 -130 150	3
961 M21054	DOV 2141		M60	1
962 A3	PSB 2142	2139-43	200	2
963 U601	GTN		130-VFR -180	3
964 P82	ABE	2140-42	110-100 -90-80	5
965 E632	CYN	2142-46	170-130 -110	4
966 E325	MIV	2150	VFR	1
967 S821	IDL	D	50	1
968 M7661	60	2133-20	120	2
969 G64	BDR 2142	2137	50-70	2
970 T405	HAR 2143	2145	40-50 -100	3
971 P236	ABE	2142	150-130 -100	3
972 P42	PSB	2130-41	170	2
973 P247	STW		120	1
974 AF50004	SWF	D	230-240 /VFR	2
975 E657	CYN	2139	30-120 -60	3
976 S701	VIN	2151	80	1
977 E321	WAR 2143	2142	140-100	2
978 D771	IDL 2144	D	40	1
979 U92	HAR	2137-44	130	2
980 AF15573	IPT	2150-45	90	2
981 V17152	SLX	2148-42	7/0-90	3
982 T57	NBD	2144-45	100	2
983 A119	LGA	D	V256/80	1
984 T491	IPT	2144	100-120 -100	3
985 P87	IPT	2147	130	1
986 AT6918C	BGM	2151-45	100	2
987 X40CE	VIN	2150-51	40	2
988 U207	KNX 2145	2135-42	70-100	3
989 V31439	ELM	2144-40-44	80	3
990 P229	BCH	2144	VFR-120 -140	3
991 G154	60	2200-2141	130	2
992 AERO 400	CYN	2157-44	170-150 60	3
993 DL30	PDP 2145	2145	100	1
994 A163	PIT 2146	2145	110	1
995 A683	SFK	2144-48	100	2
996 T149	RHD	2148	50-60-80 -100	4
997 F65	PTZ	2150-47	140	2

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
998 AF50122	SBY 2146	2140	110	1
999 A6614	KNA 2146	2142 -49	150	2
1000 U735	STK 2146	2145	200	1
1001 V36549	LRP 2147	2158 -43	90-80VFR	3
1002 U601	AVP	2145 -47	180 -180	3
1003 N7	NJD	2151 -48	160	2
1004 A5055N	PTW	2140-47	100	2
1005 AF29638	LSB	2144	V/0	1
1006 K6602	IDL	D	50	1
1007 U615	BCM 2148	2153 -47	180	2
1008 MATH0153	DOV	2144	150	1
1009 A432	W/SPL	2145	90	1
1010 AF12545	PVH 2149	2153	80	1
1011 E321	PTW	2146	140 -180	2
1012 E657	AIY	2145	120 -60	2
1013 V12	RVH	2205 -2244-2205	110	3
1014 AF31296	IIC 2149	2158 -49	V/0- 200	3
1015 E610	IDL 2150	D	70 M	1
1016 A193	AVP 2150	2148	160 -VFR-160	3
1017 V1161	ITV 2150	2141	90 -70	2
1018 V31551	AVP 2151	2158 -52	70 -V/0	3
1019 A5622D	NO	2146	90	1
1020 SFD510	2151	2153	100 -130	2
1021 140153	NO 2152	2149	150	1
1022 G298A	04 2152	2148	140	1
1023 N21054	ITR 2152	2152	60	1
1024 SW3887	2152/53	2151	70 -70	2
1025 T373	LCA 2152	D	VRT/160	1
1026 J321	EWB 2152	D	STW/70-140-BH/180	3
1027 J621	LSB 2152	2155	120	1
1028 A432	HCO 2153	2150	90- 70 -50	3
1029 V36549	GAP	2204 -2149	90	2
1030 U247	IPZ	2155	100	1
1031 N523	IDL	D	3H/120	1
1032 OOS10	AVH	2144 -54	60 -150-100	4
1033 B8767	DO	2138 -53	120	2
1034 P236	NBP	2145 -51	150 -100-90-70-40	6
1035 A95	HAR 2153	2154	180 -VFR-180	3

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
1036 P42	SEG 2154	2148-51-44	170-130-120	5
1037 AF11946	SBY	2143-55	80-100	3
1038 AF54385	IDL	2200-09-03	410	3
1039 E847	RWH	2150-2201-2151	120	3
1040 AT6918C	ILI	2201-05-2155	100	3
1041 X5055N	GAP	2145-54	100	2
1042 D130	OOD	2155	100	1
1043 D727	LWR 2154	D	V256/100	1
1044 A27	SPK 2155	2203-2155-2201- 2155	140-120-140	6
1045 P247	AVO	2158	120	1
1046 E851	CYN	2155	VTR	1
1047 G72	IDL	D	40	1
1048 A40CE	ENO	2158-2202-2156	VTR--40-50-60	6
1049 KLM778	SW	2205-2200	100	2
1050 X25680	TEB 2155	D	V256/60	1
1051 T17	STF 2156	2153	100	1
1052 P229	AVP	2156	VTR-140	2
1053 AF10967	CYE	2155-2200-2153	90-110-V/0	3
1054 M50632	55	2234-2149	90	2
1055 M33279	WCP	2209	20-170	2
1056 C100	ACD	2155	150	1
1057 B5	CYN 2156	2156	60-180	2
1058 V31742	LGA 2157	2158	V/0	1
1059 SB491	BI	2203-2156	160	2
1060 A3	KNA	2155-45-57-55	200	4
1061 E321	CAP 2157	2151	140-180	2
1062 A482	ELM 2158	2154	110	1
1063 U615	ELM	2204-2158	180	2
1064 V50398	CYN	2145-2154-2204	90	3
1065 A163	NB	2153	140	1
1066 A276	OOD	2157	80-110	2
1067 T149	HAR	2200	50-100	2
1068 T57	FTE	2157-2201	180	2
1069 M40153	OOD	2156	150-130	2
1070 G201	OL	2146	170-130-170	3
1071 AF75146	IDL 2158	2155	310-270	2
1072 E531	CYN 2159	2159	70-100-60-80	4
1073 E309	POU	2159	80	1
1074 AF36665	NBB	2157-59	V/0	2
1075 P87	PSB 2159	2203-2158	140	2

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Table I (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
1076 V36549	ESR 2159	2209-2154	90	2
1077 AG29586	ILC 2159	2211	330-220/VFR-On200	3
1078 U317	HAP 2200	2201	60-140	2
1079 KL 602	FIR 2200	2159	50-70	2

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Table II

TABULATION OF FLIGHT STRIP INFORMATION TO DETERMINE

TOTAL NUMBERS OF UPDATES MADE ON

FLIGHT STRIPS WITHOUT POSITION REPORTS

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
1 Vm1687	SLX	1901	80	0
2 P63	SLYN	↓	110 -120	1
3 J17659	FIF	↓	170	0
4 X3487B	ELM	1901	70	0
5 T87	COLLY	1902	150 -160	1
6 G24K	IDL	1902	50	0
7 E991	VIN	1903-07	80 -120	2
8 A165	CLF	1903	160	0
9 G201	AWF	↓	60 -30	1
10 G74	NPT	↓	170	0
11 X41821	BEP	1903	80	0
12 P272	RDV	1905	110	0
13 FUN27	ELM	1905	V/0	0
14 T10	EWR	1906	170-130-110 -90	4
15 A244	WAL	1906-01	130 -60	2
16 P63	COLLY	1906	110 -120	1
17 A20	ABE	1906-10-10	130	2
18 M149	HPN	1907	120	0
19 ARC50	V/HAR	1907-10	V/0	1
20 V17215	CYN	1909	80-100 -80	2
21 AF15774	ABS	1909	110	0
22 T372	GWR	1909-12	150-140-100 -80	4
23 S326	SLX	1909-18	110	1
24 AF5540	AVOCA	1910	100-90 55IPT	1
25 V76771	SBY	↓	00	0
26 A9	ING	↓	160	0
27 T87	GVR	↓	150 -150	1
28 P173	WAR	1910	120	0
29 A223	COLLY	1911	100-90-110 -100	3
30 P43	SLYN	1911	140	0

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Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
31 P63	GVR	1911	110 -120	1
32 E11	XTU	1911	190	0
33 G76	FIR	1911	50	0
34 X2653B	PRE	1911-15	110-100 -80	3
35 AF00670	HUO	1912-06	100- 70	2
36 SHOTGUN DELTA	ILT	1912	350/370	0
37 E582	PNE	↓	80 -70	1
38 J41821	AVOCA	↓	80	0
39 AF00470	SWF	1912	100- 07	1
40 E66	DOV	1913	70	0
41 V17215	NEL	1914	80	0
42 G154	FIR	1914	40-70	1
43 M3292	WRI	1915		0
44 X3487B	BCI	1916	70	0
45 AF5540	AVP	1916-12	100 -90	2
46 J41821	AVP	1916	80	0
47 G294	ABS	1916	200-40	1
48 SAS914	NPT	1916	130	0
49 AF11881	CYN	1916-27	100 -80	2
50 VM1687	RVH	1917	80	0
51 A223	GVR	1917	100	0
52 P43	COLLY	1917	140	0
53 G205	P2	1918	100-70-110 -130-R/R	4
54 ARC50	HAR	1918	V/0	0
55 NIM29	N/PSB	1919	310-290 -V/0	2
56 AF82117	RVH	1919	100	0
57 V8115	RVH	1919	130	0
58 C294	RIS	1919-30	200-80-60 -40	4
59 TFRY323	VLN	1919-29	140	1
60 AF10775	SEG	1920	70	0
61 E565	VIN	1920-29	120	1
62 EAGLE 102	XWF	1921	VFR/XST	0
63 P173	GAP	↓	120	0
64 P43	GVR	↓	140	0
65 AF90165	NBP	1921	110 -90	1
66 A168	EWB	1921-26-29	90 -80	3

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Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
67 AF11881	WRI	1922	100	0
68 G294	EAC	↓	200	0
69 M3247	CYN	↓	160	0
70 E582	NBR	1922	80-70-60-40	3
71 X2653B	NBR	1922-27	110-50	2
72 N77	NMPO	1923	140	0
73 AF23354	AVO	1924-52	60	1
74 X3487B	SYD	1925	70	0
75 X41N	PNE	1925	90	0
76 M3830	DOV	↓	20	0
77 T160	SYD	↓	150-130	1
78 T403	ABE	↓	60-50-60	2
79 T930	FIR	↓	30-70	1
80 X2653B	HDY	1925-29	110	1
81 E582	HDY	1926	80-70	1
82 AF00670	SPL	1926-30	100	1
83 U900	ESR	1926-25-35	130-120-90	4
84 M7659	NPT	1927	170	0
85 M3247	WRI	1927	130	0
86 G205	ABS	1928	120	0
87 G201	XTU	1928	30-130-60-50-170-140-120-170	7
88 E646	PRES	1928	190-40	1
89 U536	WAL	1928-23	50	1
90 X1040	CLR	1928-25-25	80	2
91 E66	PHL	1929	70-60	1
92 AF11734	N/MPO	1929-39	70	1
93 A34	SAN	1930	170	0
94 U900	PHL	1930	130-90	1
95 AF19017	ABE	1930	V/0	0
96 AF5540	SPL	1930-26-33	100-90	3
97 E8767	OS	1931	120	0
98 G205	RIS	1931-15-25	120-70-50-60	5
99 E586	WAL	1931-26	100-60	2
100 M7626	50	1931-43-38	110	2
101 P285	COL	1932	110-120-40	2
102 AF90165	RIS	1932-28-32	110-90-80-70-60	6

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Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
103 A324OP	WPT	1932	60	0
104 AF10218	SAN	1932-23	150	1
105 180C	ENR	1932	70-90	1
106 AF11734	A/BAK	1932-41	70	1
107 SHOTGUN DELTA	V/PHL	1932-2005	350/370-V/0	2
108 E602	SYO	1933	50-90	1
109 AF59590	ATE	1933-09	110 100	1
110 E844	ABS	1934	90	0
111 AF10775	IPT	↓	70	0
112 MI 29	N/ABE	↓	290	0
113 L5	MPO	1934	60	0
114 G205	IDL	1934-25	120	1
115 E508	ABS	1935	230	0
116 G32LK	GVR	↓	170-150	1
117 PL49	VFG	↓	120	0
118 G154	NPT	↓	130	0
119 S850	ABS	↓	170	0
120 P285	PRE	↓	110-40	1
121 P272	NBR	1935	110-50-40	2
122 2844	LIS	1936	90	0
123 G76	NPT	1936	150	0
124 41N	NBR	1936	90-80-50	2
125 AF11734	A/GTN	1936-45	70	1
126 AF12649	SID	1937	100	0
127 V6115	SLA	↓	130	0
128 AF90165	IDL	↓	110	0
129 45295	NPT	1937	110-90	1
130 419121	CAP	1937-32	110	1
131 E508	RIS	1937-24	230-170-150-140-130-120-110-70	8
132 S700	ABS	1938	110	0
133 P119	PHL	1938	120	0
134	VIN	1938	210-180-110-180-170-160-150-140	7
135 P272	HAD	1939	110-40	1
136 F844	IDL	1939	90	0
137 E2019	POU	1939	100-80	1
138 AF11734	V/PUO	1939-48	70	1

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Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates* in Altitude	Number of Updates Per Flight Strip
139 E509	NBG	1940	60-120	1
140 S850	RIS	↓	170-130-110-70-50	4
141 L7	SEG	↓	40	0
142 S700	RIS	↓	110 50- 110	1
143 X321K	COLLY	1940	170-150	1
144 AF11734	ESCF	1940-49	70	1
145 A84	ABS	1941	210	0
146 X906	RDV	1941	130-110	1
147 A41N	HDY	1941	90-50	1
148 S700	IDL	1942	110	0
149 G134	AI	1942-37	190-170	2
150 A169	CLR	1942-35	120	1
151 AF16137	SAN	1942	80	0
152 S850	EAC	1943	170	0
153 ZOLA 21	A/PSB	↓	V/0	0
154 G205	EZ	↓	190-90-110-130	3
155 AF15535	HAR	1943-39	90-70-50	3
156 E62	AHOU	1943	40-110	1
157 X1912	ESR	1943-30	110	1
158 P127	BCH	1944	120-130-140	2
159 AF29561	ELM	1944	310	0
160 NIM29	POU	1944	290	0
161 X321K	S/LYNN	1944	170-150	1
162 A84	IDL	1945	210	0
163 U637	MPO	1946	120	0
164 E509	TUX	1946	60-120-80-40-50	4
165 U622		1947	170-130-80	2
166 EAGLE 102	XTU	1948	190-170-150	2
167 F62	NAG	1948	110	0
168 E2019	ILF	1948	80	0
169 T930	NPT	1949	110	0
170 AF10539	XWF	1949	40	0
171 AF11734	SWF	1949-58	70	1
172 A117	WAR	1950	100	0

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Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
173 AL9121	PHL	1950	110	0
174 A123	SLY	1950	150-140	1
175 AF14345	DOV	1950-57	V/8-350-270-200-160	5
176 D770	ABD	1951	210	0
177 AF10775	CYE	1952	70	0
178 E323	RWC	1952	80-60-50	2
179 E63	NAL	1952	60-50	1
180 T312	RDV	1952-49	190	1
181 P38	NBR	1952-56-2004	170-90-60-40	5
182 V12410	ABS	1952	110-70-40-5-40	4
183 D770	RIS	1953	210-180-130-110	3
184 AF45535	SGR	1953	90	0
185 L2	ABS	1954	170	0
186 F328	LDO	1954	140-60	1
187 P66	PHL	1954	130	0
188 TL03	SGP	1954	50	0
189 SHAM 102	NPT	1954-2006	130-90	2
190 D770	IDL	1955	210	0
191 F72	VIN	↓	190-130	1
192 X7917D	PTW	↓	50-V/8	1
193 AF7587L	GVR	1956	90	0
194 B2	PIS	↓	170-150-110-60-30	4
195 AL9121	EGH	↓	110	0
196 S511	AWF	↓	70-80	1
197 E2019	RWC	↓	80	0
198 AL912M	EGH	1956-51	110	1
199 P38	HAD	1956-58-2009	170	2
200 V12410	RIS	1956-2026-2032	110-90-40	4
201 E838	AWF	1957	180-80	1
202 E38	ABC	↓	70-60	1
203 AF14345	DOV	↓	V/8-350-270	2
204 X906	BER	1957-54	110-60-50	3
205 E323	IDL	1958	80-50	1
206 L715	RDV	↓	40	0
207 ZOLA 15	HAR	↓	V/8	0
208 AES21	50	↓	80	0
209 F328	IDL	↓	140-60	1

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Table II (Continued)

Flight Strip Identification	Fix and Time * Arrived/Departed	ETA ** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
210 B2	IDL	1959	170	0
211 E63	VFG	1959	60-50	1
212 V12410		1957-2026	110-70	2
213 V2484	SJY	2000	330	0
214 A123	GVR	↓	110-110	1
215 AF10775	UMPG		70	0
216 AF10829	DOV		20	0
217 E838	ABS	2001	180	0
218 BW1393	LI	↓	170	0
219 E2019	IDL		80-60	1
220 AF521	CYN	↓	100-VFP	1
221 G202	AWF	2002	200-180-160-40-90	4
222 X3211K	NB4	2002	170-150	1
223 V39114	AOY	2000	110	0
224 T6092	EWR	2003-1958-2006	150-80	3
225 T492	GAP	2004	110-100-70/CLV	2
226 T355	CLF	↓	160	0
227 P270	P-IL		110	0
228 E838	FIS		180-80	1
229 X1912M	WRI	2004-00	110	1
230 F127	COLLY	2005	120-130-110-120	3
231 E63	PHL	↓	60-50	1
232 A906	AVO		110	0
233 L715	PSB		40/	0
234 G202	ABS		200	0
235 J. PENNER	POU	↓	VF7/e	0
236 X32115	WPT	2005-09	170-150	2
237 E568	VIN	2005-12	50	1
238 X1251XN	ESR	2006	90	0
239 AF75874	COLLY	↓	90	0
240 AE25806	COLLY		110	0
241 A143	LYN	↓	110-120	1

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Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
242 X54	ILG	2007	70	0
243 A118	CMX	2007	150 -110	1
244 AF45535	ABI	2008	90	0
245 KLM61	POU		80	0
246 X89170	RHD	2008-12	50 -V/0	2
247 G202	RIS	2008-12	200- 50 -40	3
248				
248 T492	ESR	2009	110 -70-60	2
249 P946	RDV		130 -120	1
250 E568	PNR		50	0
251 E532	ILG		100	0
252 M3293	CYN		160	0
253 T17	IDL	2009-03	120	1
254 T162	RIV	2009-03	190	1
255 AF5076	MDT	2010	90 -70	1
256 M46TE	TMG	2010	70 -70	1
257 AF23770	SAN	2010-15	70	1
258 J. PENNER	SWF	2010-25	VFR/0	2
259 G202	EAC	2011	200	0
260 F127	GVR	2011	120-130-140 -120-	3
261 P66	ABE	2011-16	130/SLG-90/SKY	2
262 G205	P3	2012	190-190-110 -130	1
263 WILDCAT	V/ILT		350/370	0
264 AF75874	S/LYN		90	0
265 HUN 12	ELF	2012-00	V/0-BL6/110	2
266 A321K	ILT	2012-16	170-150 -100	3
267 E325	PAW	2012	120	0
268 E66	CMX	2013	40	0
269 P72	WAL	2013-09-14	190	2
270 M3293	WRI	2014	160	0
271 AE25806	CYE	2015	110	0
272 T492	PHL		110	0
273 A625	GAP		160 -180	1
274 X90910	GAP	2015-19	50 -60	2
275 E568	ACY	2015-20	50	1
276 26LA 56	P5B	2015-2152	V/0	1
277 X321K	BAY	2016	170-150 -100	2
278 E614	SYO		40 -50	1

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Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
279 AF51076	HAR	2016	90-60	1
280 I213	NMPO			
280 N213	IT PO	2018	VFR-140	1
281 I210	IHL	2018	170- 160	1
282 A105	BAY	2019	130-100-90-70-140	4
283 G138	SWF	2019	70-190	1
284 AF75874	AVP	2019-14	90	1
285 T145	ILH	2019-13	140-160	2
286 V2354	DOV	2020-37-39	70	2
287 V32375	DOV	2020	110-90	1
288 NUPSF 57	PSB	2020	V/#	0
289 AG29203	SLX	2020-28	250	1
290 C325	ILT	2020-15	120-90-100	3
291 FFRY 105	NMPO	2021	180	0
292 AF45535	NBR	2021	90	0
293 KLM61	SYO	2021-28	80	1
294 A321K	PVH	2021-25	150-100	2
295 AE25006	ABE	2022	110	0
296 E325	SYD		120-60-90	2
297 E506	PRES		170-40	1
298 S506	PNE		80	0
299 A630	CMA		50	0
300 AT6919C	55	2022-05-37	110	2
301 T7	BAY	2023	80-90-50	2
302 P270	PNE		110	0
303 E532	CMA		100	0
304 J.PENNER BAILER	SWF		V/#	0
305 V39932	MIV	2024	70	0
306 HUN 27	BGM		V/#	0
307 AF75874	N/HNT		90	0
308 V39114	AWF		110	0
309 P66	HAD	2025-31	130	1
310 A23	BAY	2025	160-90-80-60-120	4
311 J.PENNER DOG	SWF		V/#	0
312 A5A	CMA		70	0
313 P136	ABE	2025-28	130	1

*Table I contains all the data from flight strips wherein time reports were recorded on the flight strips. Departure time was noted only when different from arrival time. Table II contains all flight strip data where time reports were not made.

**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip

Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
314 A638	HIT	2026	50	0
315 A1251W	ACY	↓	90-70	1
316 KLM61	LDO	↓	80	0
317 A232	EWR	2026-22	150-120-90	3
318 AC29282	RVH	2027-34	250	1
319 AF45535	CCL	2027	90	0
320 V32375	HTY	2027	90	0
321 V56542	VIN	2027-2104	90-110	2
322 ZOLA 15	SWF	2028	V/0	0
323 A16X	WMPO	↓	60-80	1
324 490768	NPT	↓	170	0
325 U620	NBP	2028-37	170-160-140-120-100-70	6
326 S506	NBR	2029	80-40	1
327 P270	NBR	2029	110-100-90-60-50	4
328 E66	WAL	2029-25	40	1
329 A73E	RDV	2030	70-80	1
330 KLM61	IDL	↓	80	0
331 A67251	VIN	↓	80-120	1
332 AF30650	TMG	↓	70	0
333 P45	SLYN	2030-27	140	1
334 E323	BMD	↓	50-70-80-100	3
335 P245	STW	↓	140-130	1
336 E610	CMX	2031	40	0
337 E532	OLT	↓	100-80	1
338 X111D	NPT	↓	110	0
339 X6540C	ABS	↓	160	0
340 X90910	ECH	2031-36	60	1
341 T312	EWR	2031-18	190-170-80	3
342 A520	ILG	2031-37	70-60	2
343 L715	NBD	2031-36	40	1
344 JM 61	SWF	2032	V/0	0
345 WILDCAT ALPHA-V/PHL		2032	350/370	0
346 G102	FIR	2032	60 80	0
347 P270	HAD	2032-38	110-50	2
348 U620	HAD	2032-38-39	170-160-140	4
349 D728	PNE	2033	190-170-140-130	3
350 A105		↓	130-140	1
351 AF45535	RIS	↓	90	1
352 NIM 14	N/HAR	↓	290	0

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** ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip

Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
353 S506	HAD	2033-32	80	1
354 AF75874	NLO	2033-28	90	1
355 E325		2033-28	120	1
356 E514	PNE	2034	170-130 -120	2
357 X46TE	STF		70- 60	1
358 .6540C	PIS		160 -30	1
359 E318T	PNE	↓	80- 50	1
360 A23	WPT		160-90 -120	2
361 756542	CYN	2035-13	90-110	2
362 P45	COLLY	2035-42-32	140	2
363 D728T	NBR	2035	170-130-120-110-100- 40	5
364 E532	RIS	2036	100 -50	1
365 S401	XWF	↓	70- 100-190 -200	3
366 H3826	SLX		160	0
367 E329	SYO		VFR	0
368 A638	WAL	2036-30	50-60	2
369 A23	NBG	2036-42	160-90 -120	3
370 AF23354	CLR	2036-39	60-80	2
371 AE 25806	COL	2037	110- 70	1
372 V39932	CYN	↓	70	0
373 T7	NBG		160	0
374 .6540C	EAC		160	0
375 SAS912	NPT	↓	130	0
376 M33271	GAP	2037-31	150 -110	2
377 E325	IDL	2037-32	120	1
378 T162		2037-29	190-170-160-90-80	5
379 43	BAY	2038	70-200	1
380 X90910	WRI	2038	60	0
381 P136	EWB	2038-43	130	1
382 M33302	WIN	2038-48	170	1
383 AF45535	EAC	2039	90	0
384 E532	IDL	↓	100	0
385 T373	IDL		60 -50	1
386 AF75874	SWF	2039-34	90	1
388 MAE25792	ENO	2039-43	60	1
389 A216	EWB	2039-48	150-150-140-130-120-90	6
390 B4	NBR	2040	100-80-70 -60	3
391 U610	RDV	↓	170	0

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**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip

Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
392 E318T	NBR	2024	80-50	1
393 V2354	MIV	2040-35	70	2
394 E514	HDY	2041	170	0
395 E403	NXX	2041	40	0
396 P45	GVR	2041-37	140	1
397 M33271	ESR	2041-35	150-110	2
398 E610	RIS	2041-44	40	1
399 B4	HAD	2041	100-60	1
400 AE25806	RIS	2041-46	110-60-70-110	4
401 DLH423	FIR	2042	50-80-190	1
402 V39932	NEL	2042	70	0
403 V39114	RVH	2042-50	110	1
404 M33271	BYN	2043-37	150-110	2
405 E318T	HAD	2044	80	0
406 AE25806	IOL	2045	110	0
407 N551	NMPO	2045	VER-140	1
408 A520	CMX	2045-51	70-60	2
409 P946	HAD	2045-52	120-100-90-50	4
410 V2354	ELR	2045-2105-2138	70	2
411 X46TE	LOX	2046	70 60	0
412 P245	LYN	↓	140-130/LYNN	1
413 T405	STW	↓	60-40	1
414 U925	NMPO	↓	160	0
415 X5X	WAL	↓	70-50	1
416 V17152	ACY	2046-40	V/0-90	2
417 VM17156	ACY	2047	130	0
418 V46027	MIV	↓	140 VER	0
419 NIM 14	NABE	↓	290	0
420 T162	EWB	2047-35	190-170-160	3
421 U610	HAR	2048	170-160	1
422 A191	SLYN	↓	140	0
423 A3	WPT	↓	200	0
424 T366	RDV	↓	150	0
425 P465	MPO	2048-52	80	1
426 U623	SLYN	2049	160	0
427 MAE5782	CYN	2049	40	0

*Table I contains all the data from flight strips wherein time reports were recorded on the flight strips. Departure time was noted only when different from arrival time. Table II contains all flight strip data where time reports were not made.

**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip

Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
428 A3	NBG	2050	200	0
429 M33271	ECH	2050-44	150-110	2
430 HUN 12	BCM	2050-56	V/0	1
431 AG29283	CYN	2051	250	0
432 COWBELL 59	WRDG	↓	V/0	0
433 S401	CYN	↓	180-200	1
434 T405	ASSB	2051	60	0
435 U644	EMR	2051-52-54	110-170-140-130-120	6
436 U925	AVO	2052	160	0
437 V2354	BYN	2052	70	0
438 AF30650	GVR	2052-59-2100	70	2
439 U735	BAY	2053	50-200	1
440 A191	COLLY	↓	140	0
441 F331	SYD	↓	VFR-150	1
442 AG29283	WRI	2055	250	0
443 P344	GAP	↓	150-130-110-100-90-80-70-60	7
444 AF10109	SPL		110-90	1
445 M33271	WRI		150	0
446 A23	SLYN	2055-2105-01	120	2
447 U623	COLLY	2056	160	0
448 V31551	GLR	2056	70-V/0	1
449 X73E	BER	2056-50	70-80-90-110	4
450 NIN 14	POU	2057	290	0
451 A62	ING	2057-52	190-210-190	3
452 V39174	SLX	2058	110	1
453 T152	GAP	2059	70-90-70-60-60-80	5
454 G102	NPT	↓	130	0
455 A683	BAY	↓	60-100	1
456 U610	GAP	↓	170-160-110-100	3
457 A191	GVR	↓	140	0
458 AG29408	WRI	2100	V/0	0
459 T109	BCH	↓	60-160-120	2
460 P87	BCH	↓	40-60-80-100-130	4
461 P344	ESR	2100-2056	150-100-90-80-70-60	6
462 T7	SLYN	2100-05	160	1
463 AF70750	WALTON	2100-05	270-330	2
*464 A23	COLLY	2100-10-06	120	2

Table I contains all the data from flight strips wherein time reports were recorded on the flight strips. Departure time was noted only when different from arrival time. Table II contains all flight strip data where time reports were not made.

**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip.

Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
465 V2354	VFG	2101	70	0
466 A520	WAL	2101-07	70-40	2
467 A802	ILG	2102	90	0
468 U623	GVR	↓	160	0
469 T152	ESR	↓	70-90-70-60	3
470 X3	GVP	2102-2057	80	1
471 A122	EWR	2102-05	110-80	2
472 AFR040	FIR	2103	VFR	0
473 M824	VIN	↓	40	0
474 M3275	BWO	↓	30- 70	1
475 U610	ESR	2103	170-160-70-110-80-90- 100-60	8
476 P65	NMPO	2103-07	140	1
477 U735	WPT	2104	200	0
478 A241	GAP	↓	80	0
479 AT6918C	BAY	↓	70	0
480 V89468	SLX	2105	90	0
481 CUB999	CYN	2105	160	0
482 T412	HAR	2106	90-70-90-70- 60	4
483 P344	PHL	2106-10	150-60	2
484 T7	COLLY	2106-11	160	1
485 A23	GRV	2106-15-11	120	2
486 T152	PHL	2107	70-90-70-60	3
487 YUL 10	WALTON	2107	V/0	0
488 U735	NBG	2108	200	0
489 U610	PHL	↓	170-70-60	2
490 AF10109	PAW	↓	110	0
491 M82X	CYN	2109	210	0
492 V2354	NXX	2109	70	0
493 X73E	AVO	2109-03	70-80-70-90	4
494 AFR058	RVH	2111	VFR	0
495 AF23914	HAR	2111-05	60-50	2
496 G60C	MIV	2111-20	180-170-100-30-40	5
497 P334	ESR	2112-16	170-90-70-60	4
498 V1005	SLX	2113	130	0

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**ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip

Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
499 T7	GVR	2113-17	160	1
500 V56497	ILG	2114	70 -80	1
501 A182	ILG	↓	100	0
502 A802	CMX	↓	90	0
503 T722	FIR	↓	60-70	1
504 P252	HAD	2115-13	130-150 -140	3
505 AC19547	WPI	2115-18	V/0-200	2
506 AF10967	LOA	2115-20	90-110 -V/0	3
507 T17	BCH	2115	50-60 -160	2
508 T57	BCH	↓	70-180-140-170	3
509 A163	BCH	↓	40-50-140-120	3
510 P334	PHL	2116	170 -60	1
511 A73E	AVP	2116-07	70-80 -90	3
512 P222	EWR	2117-13-23-27	130 -80	4
513 ADS21	55	2118	80	0
514 MDK28	PSB	2118-30	V/0	1
515 V51070	I IV	2119	90	0
516 U92	W/MSD	↓	130	0
517 P82	RDV	↓	130 -110	1
518 E323	WAR	↓	50 -100	1
519 AT6918C	WPT	↓	80 -100	1
520 N7	NMPO	↓	160	0
521 A56006	ACY	2119-27-30	90- 70 - 70/VFR	4
522 M3226	CYN	2120-13	160 -140	2
523 A46CF	MHL	2120-26	70	1
524 AFRO58	SLC	2122	70	0
525 M33279	BWO	2122	20 -30	1
526 AT6918C	NBG	2123	80 -100	1
527 U621	NMPO	2124	120	0
528 P47	SLYN	2124	140	0
529 A650	ILG	2125	110	0
530 V31439	SID	2125-21	80	1
531 A3	MHL	2125-22-37	200	2
532 A182	CMX	2126	100	0

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Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
533 M3226	WRI	2126	160	0
534 KLM778	27N	↓	180	0
535 V36549	RDV	2126-36-21	90	2
536 T366	EWR	2126-31	150-110	2
537 V51070	CYN	2126-39	90	1
538 SPD510	BAY	2127	90	0
539 A222	ABE	2127-31	130-100	2
540 X73E	SPL	2128	70-80-90	2
541 V1290	AIY	2128	110	0
542 A802	WAL	2128-22	90-40	2
543 A683	S/LYN	2128-32	110-100	2
544 T109	CLR	2129	120	0
545 P47	COLLY	↓	140	0
546 U735	SYO	↓	200	0
547 V17152	RVH	2129-23	V/0 90	1
548 YUL 10	PSB	2129-36	V/0	1
549 U621	AVO	2130	120	0
550 U92	RDV	↓	130	0
551 V56497	CMX	↓	70-80	1
552 A182	HIT	↓	100-90	1
553 A163	N/TP0	↓	40-50-140	2
554 V5055N	BMD	2131	100-70-100-90	3
555 P47	BCH	↓	60-70-140-120	3
556 P377	BMD	↓	120-60-120	2
557 T405	LRP	↓	100-80-100	2
558 X46CF	IPT	2131-37	70	1
559 U247	NMPO	2132	100	0
560 A95	STW	↓	VFR/CLW-180	1
561 P87	NMPO	↓	40-160-130	2
562 L360	BER	↓	40	0
563 X46X	FTZ	2132-24	60-80	2
564 OOSFC	BAY	2132-42	60-100-100	3
565 SB510	SJX	2133	110	0
566 M824	RVH	↓	40	0
567 V31435	SYD	↓	120	0
568 A683	COLLY	2133-36	100	1
569 T17	SLYN	2134	160	0
570 U735	COLLY	2134	200	0

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Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
571 VM32662	SLX	2134-24-15	90-110	3
572 X5055N	WAR	2135	100	0
573 PL7	GVR	2135	140	0
574 E851	AVO	2136	160-130	1
575 A650	CMX	↓	110	0
576 V56497	HIT	↓	70-80 40-70	2
577 V50398	AIY	2137-46-56	90	2
578 X56006	COL	2137-49	90-70-90-70-50-40	6
579 E630	AIY	2137	190-170-150-130	3
580 AF12545	SLX	2138	80	0
581 OOSFC	A/SJX	2138-48	100	1
582 SPD510	RVH	2139	100- 120	1
583 A95	NMPO	2139	VFR/CDW-180	1
584 A222	EWR	2139-45	130-100	2
585 A683	GVR	2139-43	100	1
586 U735	GVR	2140	200	0
587 A650	HIT	↓	110-100-70	2
588 T17	COLLY	↓	160	0
589 GULLSPEC	LZ	↓	160	0
590 A73E	POU	↓	70-80-90	2
591 A182	WAL	2140-35	100-40	2
592 AG26626	WRI	2141	V/#	0
593 T722	NPT	↓	90	0
594 AF70746	?	↓	310	0
595 L360	CYE	2143	40	0
596 AT6918C	STP	2143	80-100	1
597 A27	NMPO	2143-35	140	1
598 X56006	PRES	2143-55	90-40	2
599 U92	LRP	2143-50-51	130-110-120-60	5
600 M824	SLY	2144	40	0
601 AF49361	V/SBY	2144	70	0
602 AF36665	IDL	2144	V/#	0
603 A95	AVO	2145	180	0
604 A119	BMD	2145	80-80-70	2
605 T17	GVP	2146	160	0

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Table II (Continued)

Flight Strip Identification	Fix and Time* Arrived/Departed	ETA** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
606 U212	HAD	2146-52-36	70-60-90-40	5
607 U317	RHD	2147	60-140-120-140	3
608 U615	SAH	2147-11	130	1
609 E375	CDW	2147-36	120	1
610 U92	GAP	2147-54	130-110-60	3
611 A27	S/LYN	2147-40-42-45	140-120	4
612 V56497	WAL	2148-40	70-40	2
613 A95	SGR	2148	180-VFR-180	2
614 P236	HAD	2148-55	150-100-90-40	4
615 V1161	CYN	2149	90-70	1
616 WM17156	SLA	2149	130	0
617 U601	SLYN	2150	160-160	1
618 M3275	NPT	2150	30-150	1
619 E847(T)	SLA	2150-42	120	1
620 E375	SOM	2150-39	120-100	2
621 A650	WAL	2150-46	110-50	2
622 U92	ESR	2150-57	130-110-60	3
623 D130	ILG	2151	100	0
624 P247	N/MPO	2151	120	0
625 V6543	RVH	2151-45	90	1
626 AF58886	A TTG	2152	70	0
627 G64	SLA	↓	50-70	1
628 KIM632	FIR	↓	60-50-70	2
629 E632	COLLY	2152-56	170-110-50	3
630 A276	ILG	2153	80-110	1
631 AG31296	ENO	2153	V/ø	0
632 A193	SLYN	2154	160-160	1
633 T491	M/L	2154-54	100-120-150	3
634 P87	MLH	2154	130-140	1
635 M33279	PAT	2154	70-170	1
636 V31551	AVO	2154-18	70-V/ø	2
637 A95	IPT	2155	180	0
638 COW 59	EIPT	↓	V/ø	0
639 V2354	PNE	↓	70	0
640 AF15573	GVR	2155-56-52	90	2

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Table II (Continued)

Flight Strip Identification	Fix and Time * Arrived/Departed	ETA ** and Updates in ETA	Altitude and Updates in Altitude	Number of Updates Per Flight Strip
641 U601	COLLY	2156	180 -180	1
642 E325	ENO	↓	VFR	0
643 AL32	TUA	↓	90-70-50-40	3
644 E375	BMD	2156-45	120-100-90-40	4
645 AF10967	MPO	2157	90-110-V/0	2
646 E632	PPES	2157	170-50	1
647 V2354	PHL	2157-48	70	1
648 27	COLLY	2159-51-47-58	140-120	4
649 AF10109	YTW	2200	90-110-V/0	2
650 E6460	PDP	2200	70	0
651 NM28	HUO	2200	V/0	0
652 U321	STW	2200	140-70-140	2

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** ETA - Estimated time of arrival. The symbol D appearing in the data of this column, denotes a departure strip

Table III

NUMBER OF UPDATES PER FIVE MINUTE AND HOURLY INTERVALS OF TIME

Time Interval, GMT	Flight Strips with Position Reports					Flight Strips without Position Reports					Totals				
	No of Strips in ETA	No of Updates in Alt	No of Updates in Time	Total No of Updates	No of Strips	No of Updates in ETA	No of Updates in Alt	Total No of Updates	No of Strips	No of Updates in ETA	No of Updates in Alt	No of Updates in Time	Sum of Updates		
	1	2	3	4	5=2+3+4	6	7	8	9=7+8	10=1+6	11=2+7	12=3+8	13=4	14=11+12+13	
1901-1905	36	16	20	37	73	13	1	4	5	10	17	24	37	78	
1906-1910	23	16	18	23	57	15	7	12	19	38	23	30	26	76	
1911-1915	26	12	13	26	51	15	2	10	12	41	14	23	23	63	
1916-1920	41	20	31	42	93	18	5	12	17	59	25	33	42	110	
1921-1925	25	17	27	29	81	19	5	10	17	48	22	37	29	88	
1926-1930	37	16	26	39	89	16	9	14	23	53	25	40	39	104	
1931-1935	18	6	15	18	39	25	12	17	29	43	18	32	18	68	
1936-1940	28	12	17	28	57	16	5	26	31	51	17	43	28	88	
1941-1945	24	14	13	24	56	16	4	12	16	47	18	30	24	72	
1946-1950	30	9	11	32	52	13	2	13	15	43	11	24	32	67	
1951-1955	28	13	24	29	66	17	4	16	21	45	15	31	29	87	
1956-1960	21	8	16	21	45	24	4	18	25	45	17	31	21	76	
Total/1900 hr	341	159	236	348	743	216	63	165	288	557	222	401	348	971	
2001-2005	28	12	14	28	54	21	5	16	21	49	17	30	28	75	
2006-2010	24	6	21	25	52	21	6	11	17	45	12	32	25	69	
2011-2015	34	14	24	36	74	18	8	13	21	52	22	37	36	95	
2016-2020	32	11	18	34	63	14	6	15	21	49	17	33	31	81	
2021-2025	32	12	19	32	63	23	6	10	16	55	18	29	32	79	
2026-2030	38	14	24	39	77	22	6	21	27	60	20	45	39	104	
2031-2035	28	7	22	29	58	28	13	24	37	56	20	46	29	95	
2036-2040	29	15	20	31	66	30	12	26	38	59	27	46	31	104	
2041-2045	30	11	27	30	68	17	10	12	22	47	21	39	30	90	
2046-2050	34	20	23	34	77	20	5	8	13	51	25	31	34	90	
2051-2055	35	12	32	38	82	16	6	15	21	51	18	47	38	103	
2056-2060	26	13	39	26	78	18	8	27	35	44	21	66	28	113	
Total/2000 hr	372	147	283	382	812	248	91	198	289	620	238	481	382	1101	
2101-2105	36	22	24	36	82	17	5	13	18	53	27	37	36	100	
2106-2110	26	9	19	26	54	12	5	13	18	38	14	32	26	72	
2111-2115	32	24	26	33	83	16	7	13	20	48	31	49	33	113	
2116-2120	40	13	21	41	75	14	9	10	19	54	22	31	41	94	
2121-2125	28	15	19	30	64	8	3	2	5	36	18	21	30	69	
2126-2130	28	13	14	28	55	22	9	10	19	50	22	24	28	74	
2131-2135	25	4	12	25	41	20	6	17	23	45	10	29	25	64	
2136-2140	29	19	27	30	76	18	7	19	26	47	26	46	30	102	
2141-2145	36	16	25	36	77	13	4	7	11	49	20	32	36	88	
2146-2150	24	11	11	24	46	18	14	22	36	42	25	33	24	82	
2151-2155	33	21	23	33	77	18	6	12	1	51	27	35	33	95	
2156-2200	29	14	19	29	62	12	5	15	20	41	19	31	29	82	
Total/2100 hr	366	181	240	371	792	188	80	163	243	554	241	403	371	1035	

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