

EUROPEAN ORGANISATION  
FOR THE SAFETY OF AIR NAVIGATION



**EUROCONTROL EXPERIMENTAL CENTRE**

**COVERAGE OF 1999 EUROPEAN AIR TRAFFIC  
FOR THE BASE OF AIRCRAFT DATA (BADA)  
REVISION 3.1**

**EEC Note No. 12/00**

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**Coverage of 1999 European Air Traffic  
by the  
Base of Aircraft Data (BADA) Revision 3.1**

EUROCONTROL Experimental Centre

Summary

The air traffic statistics provided by the CFMU in the ECAC airspace for 1999 are used to determine the coverage of European air traffic by the Base of Aircraft Data (BADA) Revision 3.1. BADA consists of a set of aircraft models used at the EEC and other European research institutes for aircraft trajectory simulation. The results show that all 67 aircraft types within BADA 3.1 cover 89.84% of the European air traffic. The addition of 1 more aircraft type would bring the coverage to the target of 90%.

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# 1. INTRODUCTION

## 1.1 Identification and Scope

This document reviews the air traffic statistics for 1999 from the EUROCONTROL Central Flow Management Unit (CFMU) in order to determine the coverage of European air traffic provided by BADA (Base of Aircraft Data) Revision 3.1[RD1].

BADA 3.1 is a collection of ASCII files which specifies operation performance parameters and operating procedure parameters for 67 different aircraft types. From these aircraft models a further 86 other aircraft types can be supported as being equivalent. They are referred to in this note as synonym (Table 2.3). The BADA information is designed for use in trajectory simulation and prediction algorithms within the domain of Air Traffic Management (ATM). All files are maintained within a configuration management system at the Eurocontrol Experimental Centre (EEC) at Brétigny-sur-Orge, France.

This document is presented in three sections, including Section 1, the Introduction. A discussion of the coverage statistics is presented in Section 2 with conclusions summarised in Section 3.

## 1.2 Referenced Documents

- RD1** User Manual for the Base of Aircraft Data (BADA) Revision 3.1; EEC Note 25/98; November 1998
- RD2** Coverage of 1998 European Air Traffic for the Base of Aircraft Data (BADA) Revision 3.1; EEC Note 17/99; November 1999
- RD3** Aircraft Type Designators; ICAO Document No. 8643, 26th Edition; November 1998
- RD4** Aircraft Type Designators; ICAO Document No. 8643, 27th Edition; November 1999

## 1.3 Glossary of Acronyms

<b>A/C</b>	Aircraft
<b>APO</b>	Centre for Aircraft Performance and Operations
<b>ASCII</b>	American Standard Code for the Interchange of Information
<b>BADA</b>	Base of Aircraft Data
<b>CFMU</b>	Central Flow Management Unit
<b>EEC</b>	Eurocontrol Experimental Centre
<b>ICAO</b>	International Civil Aviation Organisation

was made available for the entire year of 1999. The aircraft types are listed in descending order based on the number of total flights for each aircraft type. For each aircraft type the following information is provided:

- aircraft type identifier,
- total number of flights,
- reference to BADA or Synonym type model
- percentage of flights, and,
- cumulative percentage of flights.

The following summary information can be immediately extracted from the 1999 statistics.

<b>Period: 1 week January &amp; 1 week July</b>	<b>1999</b>
Total Number of Flights:	304104
Total Number of A/C Types:	280
Number of A/C types for 90% coverage:	56
Number of A/C types for 99% coverage:	162
Number of A/C types for 99.9% coverage:	279

An in-depth comparison with other periods was not made for the following reasons:

1. The data sample provided in this note covers a 2 week period. The previous EEC Note no. 17/99 on the coverage of European Data for the BADA 3.1 [RD2] interpreted data covering a 12 month period by the CFMU.
2. EEC Note No. 17/99 evaluated a total of 617 aircraft types compared to a total of 280 listed in this note.

## **2.2 CFMU Aircraft Identifiers**

The aircraft type identifiers contained in the traffic data used the most recent ICAO identifier codes. The original traffic sample listed 302 aircraft types which was manually revised to a more condensed list of 280 aircraft types by taking into consideration aircraft series. In order to reclassify the aircraft types, reference was made to the official ICAO aircraft identifier documentation 26<sup>th</sup> [RD3] and 27<sup>th</sup> [RD4] editions for simultaneous use of new codes the old ICAO code used as BADA model names. Several assumptions had to be when reclassifying aircraft series. See table 2.3 for the assumptions that were made with regard to ICAO identifiers codes and the corresponding BADA 3.1 equivalent.

	<b>(ATR) - ATR42 &amp; ATR72</b>	
AT43	ATR42 200/300/320	27th Edition, Nov 99
AT44	ATR42 400	27th Edition, Nov 99
AT45	ATR42 500	27th Edition, Nov 99
AT72	ATR 72	27th Edition, Nov 99
	<b>(B707) - BOEING 707, ALL SERIES</b>	
B701	B707-100	27th Edition, Nov 99
B703	B707-300	27th Edition, Nov 99
	<b>(B727) - BOEING 727, ALL SERIES</b>	
B721	B727-100	27th Edition, Nov 99
B722	B727-200	27th Edition, Nov 99
	<b>(B73A) - BOEING 737-100/200</b>	
B731	B737-100	27th Edition, Nov 99
B732	B737-200	27th Edition, Nov 99
	<b>(B73B) - BOEING 737-300/400/500</b>	
B733	B737-300	27th Edition, Nov 99
B734	B737-400	27th Edition, Nov 99
B735	B737-500	27th Edition, Nov 99
	<b>(B73C) - BOEING 737-600/700/800</b>	
B736	B737-600	27th Edition, Nov 99
B737	B737-700	27th Edition, Nov 99
B738	B737-800	27th Edition, Nov 99
	<b>(B74A) - BOEING 747-100/200/300</b>	
B741	B747-100	27th Edition, Nov 99
B742	B747-200	27th Edition, Nov 99
B743	B747-300	27th Edition, Nov 99
	<b>(B757) - BOEING 757, ALL SERIES</b>	
B752	B757-200	27th Edition, Nov 99
B753	B757-300	27th Edition, Nov 99
	<b>(B767) - BOEING 767, ALL SERIES</b>	
B762	B767-200	27th Edition, Nov 99
B763	B767-300	27th Edition, Nov 99
	<b>(B777) - BOEING 777, ALL SERIES</b>	
B772	B777-200	27th Edition, Nov 99
B773	B777-300	27th Edition, Nov 99



## 2.4 Comparison with BADA

The CFMU traffic statistics made it hard to classify aircraft by having to make assumptions. No aircraft full name was referred to. Some BADA models globally cover main aircraft groups and the aircraft series. This once again, can lead to a source of error when making assumptions to aircraft types

Appendix B provides a list of the 67 aircraft types modelled by BADA 3.1[RD1]. In this list the aircraft types are ordered alphabetically by the ICAO code. For each of the 67 aircraft types, the percentage of air traffic and ranking as specified by the CFMU statistics, are given.

(1) The 67 aircraft types modelled by BADA 3.1 are not the most important types in the CFMU traffic sample. That is according to the CFMU statistics, the top 67 aircraft types provide 92.34% coverage. The BADA 3.1 types provide only 89.84% coverage. This coverage has increased by 0.22% when compared to the 1998 traffic data (89.58%).

(2) BADA 3.1 contains 86 synonym aircraft types which represent 6.25% of the total 1999 traffic sample (2 weeks).

(3) There are several aircraft types with a significant proportion of the CFMU air traffic, which are not modelled by BADA 3.1. Listed below are aircraft that hold a higher percentage share than those modelled by BADA 3.1. Although a quantitative comparison cannot be made with the findings in the previous EEC Note 17/99[RD1] for BADA Revision 3.1 due to the significantly larger traffic sample. One common point observed is that 4 of the below mentioned aircraft also figured as aircraft not modelled by BADA and also occupied a high proportion of the CFMU traffic. However, the B190, SW4 and L410 featured in BADA 3.1 as synonym aircraft

<b>Aircraft Code</b>	<b>Name in Full</b>	<b>1999</b>	<b>1998</b>
B190	Beech 1900	0.91%	0.78%
E145	Embraer EMB-145	0.73%	0.46%
SW4	Swearingen SA226TC	0.40%	0.41%
L410	Let L410/420 Turbolet	0.29%	0.27%
A748	Avro Hawker Siddeley HS748	0.28%	0.27%

(c) The 5 aircraft types listed as occupying a high proportion of the CFMS data and not modelled by BADA 3.1 all belong to the twin-engine regional airliner category. This shows the increase in the growth in regional traffic in comparison to the dominant medium and long aircraft in past traffic samples.

## **APPENDIX A**

### **CFMU Traffic Statistics for 1999**

**Note:** Aircraft listed by order of % importance. All BADA 3.1 aircraft appear in bold and shaded in dark grey.

No.	A/C Type	FULL NAME (ICAO)	BADA 3.1	SYNONYMS	Flights January +July	% of Total	Accuml. %
1	<b>B73B</b>	<b>TOTAL B734-300/400/500</b>	<b>B73B</b>		44341	14.581%	14.581%
2	<b>A320</b>	<b>TOTAL Airbus320</b>	<b>A320</b>		28719	9.444%	24.025%
3	<b>MD80</b>	<b>McDonnell Douglas MD80/81/82/83/87/88</b>	<b>MD80</b>		24434	8.035%	32.059%
4	<b>ATR</b>	<b>TOTAL ATR42/ATR72</b>	<b>ATR</b>		17318	5.695%	37.754%
5	<b>BA46</b>	<b>British Aerospace BAe 146</b>	<b>BA46</b>		14226	4.678%	42.432%
6	<b>B757</b>	<b>TOTAL B757, all series</b>	<b>B757, all series</b>		10449	3.436%	45.868%
7	<b>DHC8</b>	<b>TOTAL Dash 8, all series</b>	<b>Dash 8, all series</b>		9004	2.961%	48.829%
8	<b>F50</b>	<b>Fokker 50 Maritime Enforcer</b>	<b>F50</b>		8556	2.814%	51.643%
9	<b>B767</b>	<b>TOTAL B767, all series</b>	<b>B767, all series</b>		8346	2.744%	54.387%
10	<b>B73A</b>	<b>TOTAL B737-100/200</b>	<b>B73A</b>		7959	2.617%	57.004%
11	<b>CARJ</b>	<b>Canadair RJ Regional Jet</b>	<b>CARJ</b>		6831	2.246%	59.250%
12	<b>B73C</b>	<b>TOTAL B737-600/700/800</b>	<b>B73C</b>		5669	1.864%	61.115%
13	<b>DC9</b>	<b>Douglas DC9</b>	<b>DC9, all series</b>		4954	1.629%	62.744%
14	<b>F100</b>	<b>Fokker 100</b>	<b>F100</b>		4716	1.551%	64.294%
15	<b>SB20</b>	<b>Saab 2000</b>	<b>SB20</b>		4476	1.472%	65.766%
16	<b>SF34</b>	<b>Saab Fairchild SF340</b>	<b>SF34</b>		4293	1.412%	67.178%
17	<b>B727</b>	<b>TOTAL B727, all series</b>	<b>B727, all series</b>		4175	1.373%	68.551%
18	<b>B74A</b>	<b>TOTAL B747-100/200/300</b>	<b>B74A</b>		3997	1.314%	69.865%
19	<b>B744</b>	<b>B747-400</b>	<b>B74B</b>		3890	1.279%	71.144%
20	<b>A310</b>	<b>Airbus A-310</b>	<b>A310</b>		3390	1.115%	72.259%
21	<b>A300</b>	<b>TOTAL Airbus 300</b>	<b>A300</b>		3089	1.016%	73.275%
22	<b>F70</b>	<b>Fokker 70</b>	<b>F70</b>		2840	0.934%	74.209%
23	B190	Beech 1900		<b>JSTA</b>	2758	0.907%	75.116%
24	<b>BE20</b>	<b>Beech 200, 1300 Super King Air</b>	<b>BE20</b>		2589	0.851%	75.967%
25	<b>SH36</b>	<b>Short 360</b>	<b>SH36</b>		2521	0.829%	76.796%
26	<b>D328</b>	<b>Dornier 328</b>	<b>D328</b>		2432	0.800%	77.596%
27	<b>ATP</b>	<b>British Aerospace Jetstream 61</b>	<b>ATP</b>		2390	0.786%	78.382%
28	E145	Embraer EMB145			2218	0.729%	79.111%

No.	A/C Type	FULL NAME (ICAO)	BADA 3.1	SYNONYMS	Flights January +July	% of Total	Accuml. %
29	<b>T154</b>	<b>Tupolev TU154</b>	<b>T154</b>		2058	0.677%	79.788%
30	<b>A340</b>	<b>Airbus A-340</b>	<b>A340</b>		1964	0.646%	80.434%
31	<b>DC10</b>	<b>Mc Donnell Douglas DC10</b>	<b>DC10</b>		1909	0.628%	81.061%
32	<b>MD11</b>	<b>McDonnell Douglas MD11</b>	<b>MD11</b>		1906	0.627%	81.688%
33	<b>E120</b>	<b>Embraer EMB120 Brasilia</b>	<b>E120</b>		1769	0.582%	82.270%
34	<b>B777</b>	<b>TOTAL B777, all series</b>	<b>B777, all series</b>		1696	0.558%	82.828%
35	<b>F27</b>	<b>Fokker 27 Friendship</b>	<b>F27</b>		1572	0.517%	83.345%
36	<b>PA34</b>	<b>Piper PA34 Seneca</b>	<b>PA34</b>		1549	0.509%	83.854%
37	<b>C130</b>	<b>Lockheed C130</b>	<b>C130</b>		1392	0.458%	84.312%
38	SW4	Swearingen SA226TC		<b>SW3</b>	1201	0.395%	84.707%
39	<b>C550</b>	<b>Cessna 550 Citation</b>	<b>C550</b>		1178	0.387%	85.094%
40	<b>JS31</b>	<b>British Aerospace BAe3100 Jetstream31</b>	<b>JSTA</b>		1131	0.372%	85.466%
41	<b>F28</b>	<b>Fokker 28 Fellowship</b>	<b>F28</b>		1131	0.372%	85.838%
42	<b>D228</b>	<b>Dornier 228</b>	<b>D228</b>		1119	0.368%	86.206%
43	<b>JS41</b>	<b>British Aerospace BAe4100 Jetstream41</b>	<b>JSTB</b>		1076	0.354%	86.560%
44	<b>A330</b>	<b>Airbus A-330</b>	<b>A330</b>		1063	0.350%	86.909%
45	<b>LJ35</b>	<b>Gates Learjet 35, 36,</b>	<b>LJ35</b>		1021	0.336%	87.245%
46	<b>BE9L</b>	<b>Beech 90 King Air</b>	<b>BE9L</b>		1009	0.332%	87.577%
47	L410	Let L410/420 Turbolet		<b>D228</b>	884	0.291%	87.867%
48	<b>T134</b>	<b>Tupolev TU134</b>	<b>T134</b>		877	0.288%	88.156%
49	<b>H25B</b>	<b>Hawker Siddeley HS125 (400/600/700)</b>	<b>HS125</b>		849	0.279%	88.435%
50	A748	Avro Hawker Siddeley HS748			847	0.279%	88.713%
51	<b>SW3</b>	<b>Swearingen SA226T/TB Merlin 3</b>	<b>SW3</b>		838	0.276%	88.989%
52	<b>FA50</b>	<b>Dassault Breguet Falcon 50</b>	<b>FA50</b>		790	0.260%	89.249%
53	<b>JS32</b>	<b>British Aerospace BAe3200 Jetstream32</b>	<b>JSTA</b>		758	0.249%	89.498%
54	<b>TRIN</b>	<b>Socata TB20/21 Trinidad</b>	<b>TRIN</b>		728	0.239%	89.737%
55	<b>FA20</b>	<b>Dassault Breguet Falcon 20</b>	<b>FA20</b>		688	0.226%	89.964%
56	<b>PA31</b>	<b>Piper PA31P Navajo</b>	<b>PA31</b>		673	0.221%	90.185%
57	C525	Cessna 525 CitationJet		<b>C550</b>	670	0.220%	90.405%
58	<b>CL60</b>	<b>Canadair CL600/601/604 Challenger</b>	<b>CL60</b>		668	0.220%	90.625%

No.	A/C Type	FULL NAME (ICAO)	BADA 3.1	SYNONYMS	Flights January +July	% of Total	Accuml. %
59	CN35	Airtech CN235 Persuader		<i>ATR42/72</i>	650	0.214%	90.839%
60	<b>L101</b>	<b>Lockheed L1011</b>	<b>L101</b>		635	0.209%	91.047%
61	<b>C560</b>	<b>Cessna 560 Citation 5/5 Ultra</b>	<b>C560</b>		607	0.200%	91.247%
62	<b>BA11</b>	<b>British Aerospace Bac 111 One-eleven</b>	<b>BA11</b>		586	0.193%	91.440%
63	<b>P28A</b>	<b>Piper PA28 140/150/151/160/180/181</b>	<b>PA28</b>		569	0.187%	91.627%
64	<b>F900</b>	<b>Dassault Breguet Falcon 900</b>	<b>F900</b>		553	0.182%	91.809%
65	MD90	McDonnell Douglas MD90		<i>MD80</i>	551	0.181%	91.990%
66	C500	Cessna 500 Citation 1		<i>C550</i>	541	0.178%	92.168%
67	<b>C160</b>	<b>Transall C160</b>	<b>C160</b>		537	0.177%	92.344%
68	<b>FA10</b>	<b>Dassault Breguet Falcon 10</b>	<b>FA10</b>		500	0.164%	92.509%
69	E110	Embraer EMB110/111Bandeirante		<i>D228</i>	482	0.158%	92.667%
70	S76	Sikorsky S76		<i>HELI</i>	470	0.155%	92.822%
71	YK40	Yakovlev Yak40		<i>DHC8</i>	467	0.154%	92.975%
72	GLF4	Gulfstream Aerospace G1159C Gulfstream		<i>CL60</i>	467	0.154%	93.129%
73	BE58	Beech 58 Baron		<i>PA27</i>	456	0.150%	93.279%
74	<b>DC8</b>	<b>TOTAL DC8, all series</b>	<b>DC8, all series</b>		447	0.147%	93.426%
75	C650	Cessna 650 Citation 3/6/7		<i>LJ35</i>	444	0.146%	93.572%
76	C172	Cessna 172, Skyhawk		<i>PA28</i>	426	0.140%	93.712%
77	TBM7	TBM TBM 700			414	0.136%	93.848%
78	AN24	Antonov AN24		<i>F27</i>	410	0.135%	93.983%
79	<b>ZZZZ</b>	<b>AIRCRAFT TYPES NOT YET ASSIGNED A DESIGNATOR</b>			385	0.127%	94.110%
80	<b>C421</b>	<b>Cessna 421 Golden Eagle</b>	<b>C421</b>		358	0.118%	94.227%
81	C208	Cessna 208 Caravan 1			347	0.114%	94.341%
82	F406	Reims F406 Caravan2			331	0.109%	94.450%
83	YK42	Yakovlev Yak42		<i>BA46</i>	329	0.108%	94.558%
84	B350	Beech B300 Super King Air 350			324	0.107%	94.665%
85	E121	Embraer EMB121 Xingu			308	0.101%	94.766%
86	BE10	Beech 100 King Air			305	0.100%	94.867%
87	P28R	Piper PA28R 180/200/201		<i>TRIN</i>	295	0.097%	94.964%
88	<b>PAY2</b>	<b>Piper PA31T 620/T2 620 Cheyenne 2</b>	<b>PA31T</b>		292	0.096%	95.060%

No.	A/C Type	FULL NAME (ICAO)	BADA 3.1	SYNONYMS	Flights January +July	% of Total	Accuml. %
89	BE30	Beech 300 Super King Air		<b>BE20</b>	291	0.096%	95.155%
90	AN26	Antonov AN26		<b>F27</b>	281	0.092%	95.248%
91	PA46	Piper PA46 Malibu Mirage			273	0.090%	95.337%
92	IL86	Ilyushin II86/87		<b>DC8</b>	272	0.089%	95.427%
93	L188	Lockheed L188 Electra		<b>C130</b>	266	0.087%	95.514%
94	C310	Cessna 310 T310		<b>PA31</b>	260	0.085%	95.600%
95	F2TH	Dassault Falcon 2000			258	0.085%	95.685%
96	DHC6	De Havilland Canada DHC6 Twin Otter			257	0.085%	95.769%
97	P28T	Piper PA28RT			253	0.083%	95.852%
98	SH33	Short 330 Sherpa C23		<b>SH36</b>	249	0.082%	95.934%
99	LJ55	Gates Learjet 55		<b>LJ35</b>	245	0.081%	96.015%
100	C210	Cessna 210 Turbo Centurion			245	0.081%	96.095%
101	PA44	Piper PA44 Seminole			240	0.079%	96.174%
102	<b>PAY3</b>	<b>Piper PA42-720 Cheyenne 3</b>	<b>PA42</b>		237	0.078%	96.252%
103	<b>C551</b>	<b>Cessna 551 Citation 2SP</b>	<b>C550</b>		229	0.075%	96.328%
104	TRIS	Britten Norman DN2A Mk3 Trislander			227	0.075%	96.402%
105	C340	Cessna 340		<b>PA31</b>	225	0.074%	96.476%
106	<b>B707</b>	<b>TOTAL B707, all series</b>	<b>B707, all series</b>		224	0.074%	96.550%
107	C182	Cessna 182, Skylane		<b>PA28</b>	216	0.071%	96.621%
108	N262	Nord 262, Fregate, Mohawk			214	0.070%	96.691%
109	GLF3	Gulfstream American G1159A Gulfstream		<b>CL60</b>	212	0.070%	96.761%
110	M20P	Mooney M20 A/B/C/D/E/F/G/L/R		<b>TRIN</b>	210	0.069%	96.830%
111	CVLT	Convair CV540/580/600/640		<b>ATR42/72</b>	210	0.069%	96.899%
112	BN2P	Britten Normand BN2 Islander		<b>PA31</b>	208	0.068%	96.967%
113	LJ60	Learjet 60			206	0.068%	97.035%
114	IL76	Ilyushin II76/78/82 Gajaraj		<b>A300</b>	200	0.066%	97.101%
115	LJ31	Gates Learjet 31		<b>LJ35</b>	199	0.065%	97.166%
116	BE76	Beech 76 Duchess			191	0.063%	97.229%
117	C212	Casa 212 Aviocar			187	0.061%	97.291%
118	C501	Cessna 501 Citation 1SP		<b>C550</b>	185	0.061%	97.352%
119	AN12	Antonov AN12		<b>C130</b>	180	0.059%	97.411%

No.	A/C Type	FULL NAME (ICAO)	BADA 3.1	SYNONYMS	Flights January +July	% of Total	Accuml. %
120	BE36	Beech 36 Bonanza		<b>PA34</b>	177	0.058%	97.469%
121	<b>PA27</b>	<b>Piper PA23 235/250 Aztec</b>	<b>PA27</b>		176	0.058%	97.527%
122	P180	Piaggio P180 Avanti			174	0.057%	97.584%
123	PUMA	Sud SA330 Puma		<b>HELI</b>	170	0.056%	97.640%
124	C414	Cessna 414 Chancellor		<b>C421</b>	157	0.052%	97.692%
125	BE33	Beech 33 Debonair, Bonanza		<b>PA34</b>	144	0.047%	97.739%
126	MU30	Mitsubishi Mu300 Diamond		<b>C550</b>	138	0.045%	97.784%
127	B74S	B747SP		<b>B74B</b>	138	0.045%	97.830%
128	S601	Aerospatiale SN601 Corvette		<b>C550</b>	137	0.045%	97.875%
129	PA30	Piper PA30/39 Twin Comanche			136	0.045%	97.919%
130	PA32	Piper PA32 Cherokee Six			133	0.044%	97.963%
131	AS32	Aerospatiale AS332/532 Super Puma		<b>HELI</b>	133	0.044%	98.007%
132	P3	Lockheed P3, AP3, EP3 NP3 RP3 TP3 UP3		<b>C130</b>	131	0.043%	98.050%
133	BE55	Beech 55 Baron			127	0.042%	98.092%
134	C5	Lockheed C5		<b>B74A</b>	126	0.041%	98.133%
135	C425	Cessna 425 Corsair, conquest 1		<b>P31T</b>	122	0.040%	98.173%
136	C141	Lockheed C-141 Starlifter (L-300)		<b>DC8</b>	119	0.039%	98.212%
137	K35R	Boeing KC135R/T			115	0.038%	98.250%
138	BE40	Beech 400 Beechjet			114	0.037%	98.288%
139	C303	Cessna T303 Crusader		<b>PA31</b>	113	0.037%	98.325%
140	C404	Cessna 404 Titan			112	0.037%	98.362%
141	C402	Cessna 402		<b>PA31</b>	111	0.037%	98.398%
142	H25A	De Havilland DH125			108	0.036%	98.434%
143	G222	Fiat G222			108	0.036%	98.469%
144	<b>MU2</b>	<b>Mitsubishi Mu2</b>	<b>MU2</b>		93	0.031%	98.500%
145	GA7	Grumman American GA7 Cougar			93	0.031%	98.530%
146	P68	Partenavia P68			91	0.030%	98.560%
147	TOR	Panavia Tornado		<b>FGTR</b>	88	0.029%	98.589%
148	PAY1	Piper PA31T1 500 Cheyenne 1			88	0.029%	98.618%



No.	A/C Type	FULL NAME (ICAO)	BADA 3.1	SYNONYMS	Flights January +July	% of Total	Accuml. %
149	M339	Aermacchi			88	0.029%	98.647%
150	CONC	Sub-Bac Concorde		<i>FGTR</i>	88	0.029%	98.676%
151	M20T	Mooney M20 K/M (Turbocharged)			86	0.028%	98.704%
152	GLF2	Grumman G1159, G1159 Gulfstream		<i>CL60</i>	85	0.028%	98.732%
153	DHC7	De Havilland Canada DHC7 Dash 7			85	0.028%	98.760%
154	AC11	North American Rockwell Commander 112			84	0.028%	98.788%
155	BE9T	Beech F90 King Air			81	0.027%	98.815%
156	PA23	Piper PA23 150/160 Apache		<i>PA27</i>	80	0.026%	98.841%
157	BE35	Beech 35 Bonanza			80	0.026%	98.867%
158	B12	Bell 212		<i>HELI</i>	78	0.026%	98.893%
159	C17	McDonnell Douglas C17 Globemaster 3			77	0.025%	98.918%
160	AS55	Aerospatiale AS355 Ecureuil		<i>HELI</i>	76	0.025%	98.943%
161	LJ45	Learjet 45			73	0.024%	98.967%
162	TOBA	Socata TB10/200 Tobago		<i>PA28</i>	72	0.024%	98.991%
163	GLF5	Gulfstream Aerospace G1159D Gulfstream		<i>CL60</i>	69	0.023%	99.013%
164	SW2	Swearingen SA26 Merlin 2		<i>SW3</i>	68	0.022%	99.036%
165	C441	Cessna 441 Conquest, conquest 2			67	0.022%	99.058%
166	AA5	Grumman American AA5			66	0.022%	99.080%
167	AC90	North American Rockwell 690 Turbo Commander		<i>BE20</i>	65	0.021%	99.101%
168	AS65	Aerospatiale AS365 Dolphin		<i>HELI</i>	64	0.021%	99.122%
169	BE95	Beech 95 Travel Air		<i>PA31</i>	63	0.021%	99.143%
170	A3ST	A300 Beluga			63	0.021%	99.163%
171	IL62	Ilyushin Il62		<i>B707</i>	62	0.020%	99.184%
172	H60	Sikorsky S70		<i>HELI</i>	62	0.020%	99.204%
173	AN72	Antonov AN72/74			62	0.020%	99.225%
174	<b>P28B</b>	<b>Piper PA28-201T/235/236</b>	<b>PA28</b>		60	0.020%	99.244%
175	ASTR	IAI 1125 Astra			59	0.019%	99.264%
176	S61	Sikorsky S61A/B/C/D/L/N		<i>HELI</i>	58	0.019%	99.283%
177	ATLA	Dassault Breguet 1150 Atlantic			56	0.018%	99.301%
178	AN28	Antonov AN28			50	0.016%	99.318%

No.	A/C Type	FULL NAME (ICAO)	BADA 3.1	SYNONYMS	Flights January +July	% of Total	Accuml. %
179	AJET	Dassault Breguet Dornier Alpha Jet			48	0.016%	99.333%
180	TUCA	Embraer EMB312 Tucano, Super Tucano			47	0.015%	99.349%
181	BN2T	Pilatus Britten NormanBN2T Turbine Islander			47	0.015%	99.364%
182	VC10	Vickers VC10		<b>B707</b>	46	0.015%	99.379%
183	PC7	Denel PC7 Astra			45	0.015%	99.394%
184	P66T	Piaggio P-166DL3			45	0.015%	99.409%
185	F260	SIAl-Marchetti SF260/A/B/C/D/E/F/M/W			44	0.014%	99.424%
186	C135	Boeing C135B/C/E/K Stratolifter		<b>B707</b>	43	0.014%	99.438%
187	IL18	Ilyushin Il18/20/22/24		<b>C130</b>	42	0.014%	99.452%
188	F16	General Dynamics F16/A/B/C/D/N		<b>FGTR</b>	42	0.014%	99.465%
189	<b>BE99</b>	<b>Beech 99 Airliner</b>	<b>BE99</b>		42	0.014%	99.479%
190	A124	Antonov AN124			42	0.014%	99.493%
191	<b>PAY4</b>	<b>Piper PA 42 1000 Cheyenne 400</b>	<b>PA42</b>		38	0.012%	99.505%
192	BE60	Beech 60 Duke		<b>C421</b>	38	0.012%	99.518%
193	PC12	Pilatus PC12			37	0.012%	99.530%
194	E3CF	Boeing E3 A, E3D/F Sentry		<b>B707</b>	37	0.012%	99.542%
195	C750	Cessna 750 Citation 10			37	0.012%	99.554%
196	AEST	Ted Smith Aerostar			37	0.012%	99.567%
197	LJ25	Lear Jet 25			34	0.011%	99.578%
198	PA24	Piper PA24 Comanche			33	0.011%	99.589%
199	F18	Mc Donnell Douglas FA18		<b>FGTR</b>	33	0.011%	99.599%
200	P32R	Piper PA32R			32	0.011%	99.610%
201	H25C	British Aerospace BAe 125 1000			31	0.010%	99.620%
202	F60	Fokker 60			31	0.010%	99.630%
203	P210	Cessna P210 Pressurised Centurion			30	0.010%	99.640%
204	L29B	Lockheed L1329 Jetstar 2/731			30	0.010%	99.650%
205	E3TF	Boeing E3A JE3 Sentry		<b>B707</b>	29	0.010%	99.660%
206	DR40	Robin DR400 Cadet			29	0.010%	99.669%
207	C337	Cessna 337 Turbo Super Skymaster			29	0.010%	99.679%
208	WW24	IAI 1124 Westwind		<b>H25B</b>	28	0.009%	99.688%

No.	A/C Type	FULL NAME (ICAO)	BADA 3.1	SYNONYMS	Flights January +July	% of Total	Accuml. %
209	IL96	Ilyushin II96			27	0.009%	99.697%
210	L29A	Lockheed L1329 Jetstar 6/8		<b>CL60</b>	26	0.009%	99.705%
211	C177	Cessna 177, Cardinal		<b>PA28</b>	26	0.009%	99.714%
212	SC7	Short SC7 Skyvan			25	0.008%	99.722%
213	PAT4	Piper PA31T3-500 1040			25	0.008%	99.730%
214	LJ24	Lear Jet 24			25	0.008%	99.739%
215	TB30	Aerospatale TB30 Epsilon			23	0.008%	99.746%
216	JAGR	Sepecat Jaguar		<b>FGTR</b>	23	0.008%	99.754%
217	C77R	Cessna 177 RG Cardinal RG			23	0.008%	99.761%
218	B105	Bolkow BO105		<b>HELI</b>	23	0.008%	99.769%
219	PC6T	Pilatus PC6 A/B/C/ Turbo Porter			22	0.007%	99.776%
220	CL2T	Canadair 215 Turbine			22	0.007%	99.783%
221	AC95	North American Rockwell 695 Jetprop Commander		<b>BE20</b>	22	0.007%	99.791%
222	R300	Robin R300/3000/3100/3120/3140			21	0.007%	99.797%
223	C101	Casa 101 Aviojet			21	0.007%	99.804%
224	G159	Grumman G159 Gulfstream		<b>CL60</b>	20	0.007%	99.811%
225	A109	Augusta A 109 Power			20	0.007%	99.817%
226	L200	Let L200 Morava			19	0.006%	99.824%
227	JS20	Handley Page HP137 Jetstream 200			19	0.006%	99.830%
228	HAR	Hawker Siddeley Harrier		<b>FGTR</b>	19	0.006%	99.836%
229	BELF	Short SC-5 Belfast			19	0.006%	99.842%
230	MF17	Saab MF115/17			18	0.006%	99.848%
231	F104	Lockheed F104 Starfighter			18	0.006%	99.854%
232	C56X	Cessna 560XL Citation Excel			18	0.006%	99.860%
233	SBR1	North American NA265 Sabreliner		<b>FA20</b>	17	0.006%	99.866%
234	MS76	Morane Saulnier MS760 Paris			17	0.006%	99.871%
235	C206	Cessna 206			17	0.006%	99.877%
236	P808	Piaggio Douglas PD808			16	0.005%	99.882%
237	K35E	Boeing KC135D/E Stratotanker			16	0.005%	99.888%
238	H47	Boeing Vertol CH47		<b>HELI</b>	16	0.005%	99.893%

No.	A/C Type	FULL NAME (ICAO)	BADA 3.1	SYNONYMS	Flights January +July	% of Total	Accuml. %
239	F4	McDonnell F4			16	0.005%	99.898%
240	S05R	Siai Marchetti S205 18F/20F			15	0.005%	99.903%
241	DC3	Douglas DC3			15	0.005%	99.908%
242	F5	Northrop F5 Freedom Fighter			14	0.005%	99.913%
243	T204	Turpolev TU204/214/224/234			13	0.004%	99.917%
244	K35A	Boeing KC135A Stratotanker			13	0.004%	99.921%
245	AMX	Amx A1			13	0.004%	99.925%
246	NIM	Hawker Siddeley Nimrod			12	0.004%	99.929%
247	C152	Cessna 152			12	0.004%	99.933%
248	BE24	Beech 24 Musketeer Super			11	0.004%	99.937%
249	PC9	Pilatus PC9			10	0.003%	99.940%
250	JS1	Handley Page HP137 Jetstream 1			10	0.003%	99.943%
251	HR10	Robin HR100			10	0.003%	99.947%
252	FREL	Sud Sa321 Super Frelon		<b>HELI</b>	10	0.003%	99.950%
253	C82R	Cessna R182, Turbo Skylane			10	0.003%	99.953%
254	C185	Cessna 185 Skywagon			10	0.003%	99.957%
255	AN32	Antonov AN32			10	0.003%	99.960%
256	TAMP	Socata TB9 Tampico			9	0.003%	99.963%
257	MIR2	Dassault Breguet Mirage 2000		<b>FGTR</b>	9	0.003%	99.966%
258	UH1	Bell 204, 205, 214A/B BigLifter/C		<b>HELI</b>	8	0.003%	99.968%
259	SBR2	North American Rockwell NA265 Sabre 75			7	0.002%	99.971%
260	H53	Sikorsky S65		<b>HELI</b>	7	0.002%	99.973%
261	FA30	Fuji FA300			7	0.002%	99.975%
262	U2	Lockheed U2, ER2			6	0.002%	99.977%
263	F15	McDonnell Douglas F15 Eagle		<b>FGTR</b>	6	0.002%	99.979%
264	BE19	Beech 19 Musketeer Sport			6	0.002%	99.981%
265	LYNX	Westland Lynx, Super Lynx		<b>HELI</b>	5	0.002%	99.983%
266	HF20	HFB 320 Hansa			5	0.002%	99.985%
267	EC35	Eurocopter EC135		<b>HELI</b>	5	0.002%	99.986%
268	BK17	MBB Kawaskai BK117			5	0.002%	99.988%

No.	A/C Type	FULL NAME (ICAO)	BADA 3.1	SYNONYMS	Flights January +July	% of Total	Accuml. %
269	AC80	Aero Commander 680T			5	0.002%	99.989%
270	Z42	Zlin Z42/142/242			4	0.001%	99.991%
271	L610	Let L610			4	0.001%	99.992%
272	AS50	Aerospatiale AS350 Ecureuil		<i>HELI</i>	4	0.001%	99.993%
273	STAR	Beech 2000 Starship			3	0.001%	99.994%
274	PL12	Transavia PL12 Airtruk			3	0.001%	99.995%
275	PA38	Piper PA38 Tomahawk			3	0.001%	99.996%
276	E6	Boeing E6 Mercury			3	0.001%	99.997%
277	PA25	Piper PA25 Pawnee			2	0.001%	99.998%
278	MRF1	Dassault Mirage F1		<i>FGTR</i>	2	0.001%	99.999%
279	MIR4	Dassault Mirage 4		<i>FGTR</i>	2	0.001%	99.999%
280	A10	Fairchild Thunderbolt 2		<i>FGTR</i>	2	0.001%	100.000%
		<b>TOTAL</b>			<b>304104</b>		

# BADA 3.1 Coverage Statistics

7	ATR	TOTAL ATR42/ATR72	ATR	4	17318	5.695%
8	B707	TOTAL B707, all series	B707, all series	106	224	0.074%
9	B727	TOTAL B727, all series	B727, all series	17	4175	1.373%
10	B73A	TOTAL B737-100/200	B73A	10	7959	2.617%
11	B73B	TOTAL B734-300/400/500	B73B	1	44341	14.581%
12	B73C	TOTAL B737-600/700/800	B73C	12	5669	1.864%
13	B74A	TOTAL B747-100/200/300	B74A	18	3997	1.314%
14	B744	B747-400	B74B	19	3890	1.279%
15	B757	TOTAL B757, all series	B757, all series	6	10449	3.436%
16	B767	TOTAL B767, all series	B767, all series	9	8346	2.744%
17	B777	TOTAL B777, all series	B777, all series	34	1696	0.558%
18	BA11	British Aerospace Bac 111 One-eleven	BA11	62	586	0.193%
19	BA46	British Aerospace BAe 146	BA46	5	14226	4.678%
20	BE20	Beech 200, 1300 Super King Air	BE20	24	2589	0.851%
21	BE99	Beech 99 Airliner	BE99	189	42	0.014%
22	BE9L	Beech 90 King Air	BE9L	46	1009	0.332%
23	C130	Lockheed C130	C130	37	1392	0.458%
24	C160	Transall C160	C160	67	537	0.177%
25	C421	Cessna 421 Golden Eagle	C421	80	358	0.118%
26	C550	Cessna 550 Citation	C550	39	1178	0.387%
27	C551	Cessna 551 Citation 2SP	C550	103	229	0.075%
28	C560	Cessna 560 Citation 5/5 Ultra	C560	61	607	0.200%
29	CARJ	Canadair RJ Regional Jet	CARJ	11	6831	2.246%
30	CL60	Canadair CL600/601/604 Challenger	CL60	58	668	0.220%
31	D228	Dornier 228	D228	42	1119	0.368%
32	D328	Dornier 328	D328	26	2432	0.800%
33	DHC8	TOTAL Dash 8, all series	Dash 8, all series	7	9004	2.961%
34	DC10	Mc Donnell Douglas DC10	DC10	31	1909	0.628%
35	DC8	TOTAL DC8, all series	DC8, all series	74	447	0.147%
36	DC9	Douglas DC9	DC9, all series	13	4954	1.629%
37	E120	Embraer EMB120 Brasilia	E120	33	1769	0.582%
38	F100	Fokker 100	F100	14	4716	1.551%
39	F27	Fokker 27 Friendship	F27	35	1572	0.517%
40	F28	Fokker 28 Fellowship	F28	41	1131	0.372%
41	F50	Fokker 50 Maritime Enforcer	F50	8	8556	2.814%
42	F70	Fokker 70	F70	22	2840	0.934%
43	F900	Dassault Breguet Falcon 900	F900	64	553	0.182%
44	FA10	Dassault Breguet Falcon 10	FA10	68	500	0.164%
45	FA20	Dassault Breguet Falcon 20	FA20	55	688	0.226%
46	FA50	Dassault Breguet Falcon 50	FA50	52	790	0.260%
47	H25B	Hawker Siddeley HS125 (400/600/700)	HS125	49	849	0.279%
48	JS31	British Aerospace BAe3100 Jetstream31	JSTA	40	1131	0.372%
49	JS32	British Aerospace BAe3200 Jetstream32	JSTA	53	758	0.249%

62	PAY3	Piper PA42-720 Cheyenne 3	PA42	102	237	0.078%
63	PAY4	Piper PA 42 1000 Cheyenne 400	PA42	191	38	0.012%
64	SB20	Saab 2000	SB20	15	4476	1.472%
65	SF34	Saab Fairchild SF340	SF34	16	4293	1.412%
66	SH36	Short 360	SH36	25	2521	0.829%
67	SW3	Swearingen SA226T/TB Merlin 3	SW3	51	838	0.276%
68	T134	Tupolev TU134	T134	48	877	0.288%
69	T154	Tupolev TU154	T154	29	2058	0.677%
70	TRIN	Socata TB20/21 Trinidad	TRIN	54	728	0.239%
<b>TOTAL BADA 3.1 Aircraft Types</b>						<b>89.837%</b>



**BADA 3.1 synonym aircraft types listed alphabetically showing percentage and rank positions within the total 1999 CFMU traffic data**

No.	A/C Type	FULL NAME (ICAO)	SYNONYM	Rank No.	Flights January +July	% of Total
1	A10	Fairchild Thunderbolt 2	<b>FGTR</b>	280	2	0.001%
2	AC90	North American Rockwell 690 Turbo Commander	<b>BE20</b>	167	65	0.021%
3	AC95	North American Rockwell 695 Jetprop Commander	<b>BE20</b>	221	22	0.007%
4	AN12	Antonov AN12	<b>C130</b>	119	180	0.059%
5	AN24	Antonov AN24	<b>F27</b>	78	410	0.135%
6	AN26	Antonov AN26	<b>F27</b>	90	281	0.092%
7	AS32	Aerospatiale AS332/532 Super Puma	<b>HELI</b>	131	133	0.044%
8	AS50	Aerospatiale AS350 Ecureuil	<b>HELI</b>	272	4	0.001%
9	AS55	Aerospatiale AS355 Ecureuil	<b>HELI</b>	160	76	0.025%
10	AS65	Aerospatiale AS365 Dolphin	<b>HELI</b>	168	64	0.021%
11	B105	Bolkow BO105	<b>HELI</b>	218	23	0.008%
12	B12	Bell 212	<b>HELI</b>	158	78	0.026%
13	B190	Beech 1900	<b>JSTA</b>	23	2758	0.907%
14	B74S	B747SP	<b>B74B</b>	127	138	0.045%
15	BE30	Beech 300 Super King Air	<b>BE20</b>	89	291	0.096%
16	BE33	Beech 33 Debonair, Bonanza	<b>PA34</b>	125	144	0.047%
17	BE36	Beech 36 Bonanza	<b>PA34</b>	120	177	0.058%
18	BE58	Beech 58 Baron	<b>PA27</b>	73	456	0.150%
19	BE60	Beech 60 Duke	<b>C421</b>	192	38	0.012%
20	BE95	Beech 95 Travel Air	<b>PA31</b>	169	63	0.021%
21	BN2P	Britten Normand BN2 Islander	<b>PA31</b>	112	208	0.068%
22	C135	Boeing C135B/C/E/K Stratolifter	<b>B707</b>	186	43	0.014%
23	C141	Lockheed C-141Starlifter (L-300)	<b>DC8</b>	136	119	0.039%
24	C172	Cessna 172, Skyhawk	<b>PA28</b>	76	426	0.140%
25	C177	Cessna 177, Cardinal	<b>PA28</b>	211	26	0.009%
26	C182	Cessna 182, Skylane	<b>PA28</b>	107	216	0.071%
27	C303	Cessna T303 Crusader	<b>PA31</b>	139	113	0.037%
28	C310	Cessna 310 T310	<b>PA31</b>	94	260	0.085%
29	C340	Cessna 340	<b>PA31</b>	105	225	0.074%
30	C402	Cessna 402	<b>PA31</b>	141	111	0.037%
31	C414	Cessna 414 Chancellor	<b>C421</b>	124	157	0.052%
32	C425	Cessna 425 Corsair, conquest 1	<b>P31T</b>	135	122	0.040%
33	C5	Lockheed C5	<b>B74A</b>	134	126	0.041%
34	C500	Cessna 500 Citation 1	<b>C550</b>	66	541	0.178%
35	C501	Cessna 501 Citation 1SP	<b>C550</b>	118	185	0.061%
36	C525	Cessna 525 CitationJet	<b>C550</b>	57	670	0.220%
37	C650	Cessna 650 Citation 3/6/7	<b>LJ35</b>	75	444	0.146%
38	CN35	Airtech CN235 Persuader	<b>ATR42/72</b>	59	650	0.214%
39	CONC	Sub-Bac Concorde	<b>FGTR</b>	150	88	0.029%
40	CVLT	Convair CV540/580/600/640	<b>ATR42/72</b>	111	210	0.069%
41	E110	Embraer EMB110/111Bandeirante	<b>D228</b>	69	482	0.158%
42	E3CF	Boeing E3 A, E3D/F Sentry	<b>B707</b>	194	37	0.012%
43	E3TF	Boeing E3A JE3 Sentry	<b>B707</b>	205	29	0.010%
44	EC35	Eurocopter EC135	<b>HELI</b>	267	5	0.002%
45	F15	McDonnell Douglas F15 Eagle	<b>FGTR</b>	263	6	0.002%
46	F16	General Dynamics F16/A/B/C/D/N	<b>FGTR</b>	188	42	0.014%
47	F18	Mc Donnell Douglas FA18	<b>FGTR</b>	199	33	0.011%
48	FREL	Sud Sa321 Super Frelon	<b>HELI</b>	252	10	0.003%

No.	A/C Type	FULL NAME (ICAO)	SYNONYM	Rank No.	Flights January +July	% of Total
49	G159	Grumann G159 Gulfstream	<b>CL60</b>	224	20	0.007%
50	GLF2	Grumman G1159, G1159 Gulfstream	<b>CL60</b>	152	85	0.028%
51	GLF3	Gulfstream American G1159A Gulfstream	<b>CL60</b>	109	212	0.070%
52	GLF4	Gulfstream Aerospace G1159C Gulfstream	<b>CL60</b>	72	467	0.154%
53	GLF5	Gulfstream Aerospace G1159D Gulfstream	<b>CL60</b>	163	69	0.023%
54	H47	Boeing Vertol CH47	<b>HELI</b>	238	16	0.005%
55	H53	Sikorsky S65	<b>HELI</b>	260	7	0.002%
56	H60	Sikorsky S70	<b>HELI</b>	172	62	0.020%
57	HAR	Hawker Siddeley Harrier	<b>FGTR</b>	228	19	0.006%
58	IL18	Ilyushin Il18/20/22/24	<b>C130</b>	187	42	0.014%
59	IL62	Ilyushin Il62	<b>B707</b>	171	62	0.020%
60	IL76	Ilyushin Il76/78/82 Gajaraj	<b>A300</b>	114	200	0.066%
61	IL86	Ilyushin Il86/87	<b>DC8</b>	92	272	0.089%
62	JAGR	Sepecat Jaguar	<b>FGTR</b>	216	23	0.008%
63	L188	Lockheed L188 Electra	<b>C130</b>	93	266	0.087%
64	L29A	Lockheed L1329 Jetstar 6/8	<b>CL60</b>	210	26	0.009%
65	L410	Let L410/420 Turbolet	<b>D228</b>	47	884	0.291%
66	LJ31	Gates Learjet 31	<b>LJ35</b>	115	199	0.065%
67	LJ55	Gates Learjet 55	<b>LJ35</b>	99	245	0.081%
68	LYNX	Westland Lynx, Super Lynx	<b>HELI</b>	265	5	0.002%
69	M20P	Mooney M20 A/B/C/D/E/F/G/L/R	<b>TRIN</b>	110	210	0.069%
70	MD90	McDonnell Douglas MD90	<b>MD80</b>	65	551	0.181%
71	MIR2	Dassault Breguet Mirage 2000	<b>FGTR</b>	257	9	0.003%
72	MIR4	Dassault Mirage 4	<b>FGTR</b>	279	2	0.001%
73	MRF1	Dassault Mirage F1	<b>FGTR</b>	278	2	0.001%
74	MU30	Mitsubishi Mu300 Diamond	<b>C550</b>	126	138	0.045%
75	P28R	Piper PA28R 180/200/201	<b>TRIN</b>	87	295	0.097%
76	P3	Lockheed P3, AP3, EP3 NP3 RP3 TP3 UP3	<b>C130</b>	132	131	0.043%
77	PA23	Piper PA23 150/160 Apache	<b>PA27</b>	156	80	0.026%
78	PUMA	Sud SA330 Puma	<b>HELI</b>	123	170	0.056%
79	S601	Aerospatiale SN601 Corvette	<b>C550</b>	128	137	0.045%
80	S61	Sikorsky S61A/B/C/D/L/N	<b>HELI</b>	176	58	0.019%
81	S76	Sikorsky S76	<b>HELI</b>	70	470	0.155%
82	SBR1	North American NA265 Sabreliner	<b>FA20</b>	233	17	0.006%
83	SH33	Short 330 Sherpa C23	<b>SH36</b>	98	249	0.082%
84	SW2	Swearingen SA26 Merlin 2	<b>SW3</b>	164	68	0.022%
85	SW4	Swearingen SA226TC	<b>SW3</b>	38	1201	0.395%
86	TOBA	Socata TB10/200 Tobago	<b>PA28</b>	162	72	0.024%
87	TOR	Panavia Tornado	<b>FGTR</b>	147	88	0.029%
88	UH1	Bell 204, 205, 214A/B BigLifter/C	<b>HELI</b>	258	8	0.003%
89	VC10	Vickers VC10	<b>B707</b>	182	46	0.015%
90	WW24	IAI 1124 Westwind	<b>H25B</b>	208	28	0.009%
91	YK40	Yakovlev Yak40	<b>DHC8</b>	71	467	0.154%
92	YK42	Yakovlev Yak42	<b>BA46</b>	83	329	0.108%
<b>TOTAL BADA 3.1 Synonym Aircraft Types</b>						<b>6.246%</b>

## **APPENDIX C**

### **BADA 3.1 Coverage Statistics**

#### **Breakdown of traffic data - January & July 1999**

**Breakdown of traffic data – January & July**

