

Appendix II

time	flightID	longi	lati	alti	speed	head
110000	BAW18	117.6683	38.95631	38100	444.775	61.533
110000	FIN58	116.5726	39.04285	34100	465.001	0.123
110000	SWR189	116.9243	36.80327	34100	476.42	2.406
110000	VJT744	116.9922	39.58612	24000	373	180
110000	AAR551	116.7268	40.18827	30075	444.933	34.654
110000	PAL358	116.5922	39.20895	16700	328.612	311.793
110000	CCA1338	115.888	37.86374	23150	392.475	342.35
110000	EU2269	115.9095	38.90538	26600	401.254	299.568
110000	CSN6129	116.9417	39.58728	10650	208.002	359.725
110000	HDA900	116.6417	39.63547	8175	197.162	2.325
110000	CPA841	114.5514	39.26751	38100	510.392	198.506
110000	CCA904	116.3337	38.96362	16000	318.76	341.338
110000	CSN3131	115.5831	37.48544	18475	396.308	337.447
110000	CES744	121.3051	38.54018	17675	330.651	61.652
110000	CSN6126	116.8457	40.16494	8125	295.373	245.604
110000	CBJ5247	120.9187	38.5278	32100	382.873	122.196
110000	CSZ9628	120.2998	37.74225	34075	387.46	162.734
110000	CSC8725	117.0843	37.22337	23600	432.456	116.506
110000	AMU238	117.4212	39.09641	6000	217.846	292.681
110000	CDG4717	116.7307	40.21857	19700	365.657	353.089
110000	CUA5895	115.8676	39.73275	8950	272.809	85.585
110000	YZR7491	116.21	38.52805	29100	470.083	337.089
110000	CES2811	116.8798	39.85867	6150	243.261	111.714
110000	CCA1332	115.3833	37.05272	8150	258.774	274.433
110000	CSZ9761	120.385	37.34756	30075	383.802	164.588
110000	CSN6569	116.2402	39.06029	11800	374.797	117.317
110000	CUA2302	117.842	38.88245	27625	411.254	61.378
110000	CUA2918	116.1537	39.64105	8150	193.494	209.745
110000	CSZ974Z	119.0894	41.13377	27700	465.988	278.391
110000	FZA6569	116.8042	37.15691	25575	422.214	7.075
110000	CDG4652	119.5114	38.14412	20700	427.235	208.065
110000	CXA8681	117.3074	39.06021	4850	186.387	86.309
110000	CCA1575	119.3105	38.44014	22600	439.765	208.08
110000	CHB6314	117.1182	37.23642	21700	322.889	116.486
110000	CSZ936Q	118.6278	39.42151	29100	441.192	346.499
110000	CCA4137	116.5484	39.41418	13125	264.008	331.493
110000	CES2122	116.2205	40.2415	13525	291.122	102.7
110000	CSC8686	120.1625	37.9877	32100	401.676	135.807
110000	CCA1367	114.7114	39.1407	35275	448.308	157.439
110000	CSN3000	115.1142	39.51778	28050	445.121	132.724
110000	CSH9131	117.3047	39.23939	1950	164.347	191.583
110000	CHH7607	116.9357	40.25735	13325	319.188	255.485

110000	CA1112	116.5224	40.34031	12775	319.69	266.234
110000	CCA1132	116.9472	40.72492	13800	272.905	130.988
110000	FZA6595	119.6037	40.67283	34100	419.662	144.113
110000	CSN6114	117.2396	40.58308	20150	429.415	299.43
110000	CCA130S	116.121	40.10517	21850	369.985	123.647
110000	CSN314X	115.8795	39.97874	19600	414.638	123.69
110000	CUA2201	113.6709	40.2411	36100	395.419	62.268
110000	CNM1114	116.2306	39.72098	10675	242.132	268.107
110000	CCA1540	116.828	37.08472	27600	436.359	11.233
110000	OKA2993	117.2444	40.57906	29100	425.215	307.355
110000	CUA5866	116.2814	39.33792	8050	263.03	347.707
110000	*0076104	120.7507	37.3436	31100	492.571	329.635
110000	CCA160	118.5403	38.58156	22900	389.874	61.002
110000	*0076145	116.9606	36.31908	27600	459.743	4.991
110000	CSN3681	116.624	39.74984	6575	196.023	5.856
110000	CHH7673	116.8782	36.88348	30100	445.576	11.259
110000	CSC8567	120.5859	41.56249	225	104.695	25.313
110000	CES5151	116.6153	38.3893	17950	397.685	350.301
110000	CSH9124	119.1386	38.69059	31100	428.655	208.418
110000	CES2773	120.4825	37.68543	29875	377.701	176.509
110000	CSN3133	116.3939	38.6472	13500	376.948	318.657
110000	CCA1656	116.6232	38.80618	11100	351.46	354.776
110000	JYH1041	122.1598	38.65118	31100	474.229	344.967
110000	CXA8068	120.9342	38.53505	36100	364.539	122.339
110000	CXA8039	117.4335	39.19519	3675	177.429	37.903
110000	UEA2719	118.8269	36.67538	29100	458.537	321.73
110000	CDG8825	116.2489	36.75183	26600	454.397	272.396
110000	QW9853	119.713	40.79005	33075	464.88	324.19
110000	CXA8229	116.9861	39.12328	6925	279.732	77.405
110000	CCA4276	117.1496	42.11334	32100	442.81	95.183
110000	CES2164	120.338	41.59852	32100	404.031	90.709
110000	TBA6011	113.9959	38.29092	31125	485.161	286.156
110000	CUA5667	115.1527	40.11253	26375	365.005	90.314
110000	SNG4301	116.9704	37.37531	29125	467.325	196.535
110000	CSN3731	115.7469	37.59196	25025	392.745	334.675
110000	CHH717X	115.1513	36.65514	31100	452.729	334.907
110000	TBA9925	115.7631	38.84682	31100	458.45	299.249
110000	GCR7958	116.929	38.94546	7250	281.155	291.272
110000	GCR7896	114.976	38.51141	22550	446.077	292.541
110000	CXA8178	117.125	37.0277	37100	481.274	200.431
110000	KN5977	117.077	37.13123	31100	456.929	200.497
110000	CCA1228	116.197	40.35654	15100	369.716	266.433
110000	CSN6120	116.3993	39.14264	14800	272.855	346.218

110000	CCA439	116.6943	37.01349	33100	492.395	296.149
110000	CCA1901	114.632	40.10948	27600	419.03	90.684
110000	JAL21	121.0446	38.5318	27600	430.305	78.063
110001	FIN58	116.5726	39.04285	34100	464.001	0.123
110001	SWR189	116.9239	36.8118	34100	476.42	2.406
110001	VJT744	116.9922	39.58369	24025	373	180
110001	AAR997	121.687	38.47743	23575	374.049	100.319
110001	KAL906	116.948	39.76753	37075	500.676	182.977
110001	AAR551	116.7252	40.19005	30075	444.19	35.193
110001	PAL358	116.5955	39.21117	16700	328.694	311.547
110001	CCA1338	115.888	37.86374	23150	392.173	342.489
110001	EU2269	115.9124	38.90668	26600	401.254	299.568
110001	CSN6129	116.9417	39.58872	10625	208.002	359.725
110001	HDA900	116.6417	39.63547	8175	195.31	3.229
110001	CCA904	116.3345	38.96558	15950	318.76	341.338
110001	CES744	121.3051	38.54018	17675	330.651	61.652
110001	CSC8725	117.0809	37.22205	23600	432.456	116.506
110001	AMU238	117.4225	39.09718	5975	216.924	292.782
110001	CDG4717	116.7307	40.21857	19700	365.657	353.089
110001	CUA5895	115.866	39.73297	9000	272.809	85.585
110001	CCA1233	115.661	40.13902	22625	398.51	101.141
110001	YZR7491	116.2118	38.53125	29100	470.083	337.089
110001	CES2811	116.8779	39.85798	6150	244.1	113.414
110001	CCA1332	115.3833	37.05272	8150	257.42	276.021
110001	CSN6569	116.2352	39.05846	11800	374.797	117.317
110001	CUA2302	117.842	38.88245	27625	411.254	61.378
110001	CUA2918	116.1543	39.64023	8150	193.494	209.745
110001	CCA118	115.3379	36.97458	31850	443.308	334.764
110001	FZA6569	116.8037	37.15981	25575	422.214	7.075
110001	CDG4652	119.5114	38.14412	20700	427.235	208.065
110001	CXA8681	117.3063	39.06026	4900	186.454	86.002
110001	CSN6402	118.8688	41.1178	31100	458.647	285.945
110001	CCA1575	119.3105	38.44014	22600	439.765	208.08
110001	CHB6314	117.1175	37.23615	21700	321.994	116.565
110001	CSZ936Q	118.6278	39.42151	29100	441.192	346.499
110001	CCA4137	116.5493	39.41547	13100	264.008	331.493
110001	CES2122	116.2136	40.24031	13750	291.122	102.7
110001	CCA4175	118.5214	41.01462	29100	458.537	293.658
110001	CCA1367	114.7114	39.1407	35275	448.308	157.439
110001	CSN3000	115.1076	39.51306	28125	445.121	132.724
110001	CSH9131	117.3049	39.23863	1950	164	192.68
110001	CHH7607	116.9357	40.25735	13325	319.695	255.138
110001	CA1112	116.5254	40.34012	12775	318.693	266.222

110001	CCA1132	116.9419	40.72142	13775	272.905	130.988
110001	CSN6114	117.2441	40.58501	20225	429.796	299.249
110001	CCA130S	116.118	40.10368	21925	369.985	123.647
110001	CSN314X	115.8795	39.97874	19600	414.638	123.69
110001	CUA2201	113.6675	40.24245	36100	395.419	62.268
110001	CNM1114	116.2344	39.72088	10625	241.133	268.099
110001	CCA1540	116.828	37.08472	27600	436.359	11.233
110001	CSZ9753	121.1196	38.70218	30100	369.207	136.317
110001	OKA2993	117.2444	40.57906	29100	425.215	307.355
110001	CDG4628	120.7456	38.76855	19700	370.438	120.858
110001	CUA5866	116.2814	39.33792	8050	263.03	347.707
110001	CCA160	118.5403	38.58156	22900	389.874	61.002
110001	*0076145	116.9606	36.31908	27600	459.743	4.991
110001	CSN3681	116.624	39.74984	6575	196.023	5.856
110001	CHH7673	116.8774	36.88673	30100	445.772	11.386
110001	CES5151	116.6162	38.39331	17900	397.685	350.301
110001	CUA5905	116.8052	37.81535	29100	466.367	196.57
110001	CES2773	120.4825	37.68543	29875	377.763	176.357
110001	CSN3133	116.3939	38.6472	13500	376.948	318.657
110001	CCA1128	118.7259	41.53024	32100	429.009	128.66
110001	CCA1656	116.6232	38.80618	11100	351.552	354.614
110001	JYH1041	122.1621	38.65735	31100	475.282	344.502
110001	CXA8068	120.9342	38.53505	36100	364.539	122.339
110001	CXA8039	117.4335	39.19519	3675	178.219	37.706
110001	CXA8229	116.9828	39.12383	6975	279.516	77.605
110001	CES2164	120.338	41.59852	32100	403.031	90.711
110001	CCD161X	116.733	39.60092	6150	186.553	64.946
110001	TBA6011	113.9959	38.29092	31125	486.121	286.123
110001	SNG4301	116.9704	37.37531	29125	466.653	196.687
110001	CSN3731	115.7485	37.59462	25000	392.745	334.675
110001	FZA6659	118.3151	37.46897	23600	391.778	98.957
110001	TBA9925	115.7659	38.84807	31100	458.45	299.249
110001	GCR7958	116.9298	38.9457	7225	280.223	291.346
110001	GCR7896	114.976	38.51141	22550	445.695	292.422
110001	CXA8178	117.1285	37.02016	37100	481.274	200.431
110001	KN5977	117.0781	37.12885	31100	456.929	200.497
110001	CSN6120	116.3994	39.14378	14800	272.107	351.334
110001	CCA439	116.6943	37.01349	33100	492.395	296.149
110001	CCA1901	114.631	40.10948	27600	419.03	90.684
110001	UAL852	118.3521	38.92293	34775	531.507	258.056
110002	BAW18	117.6683	38.95631	38075	444.775	61.533
110002	FIN58	116.5725	39.0482	34100	464.001	0.123
110002	SWR189	116.9238	36.81395	34100	476.42	2.406

110002	VJT744	116.9922	39.58165	24050	373	180
110002	AAR997	121.687	38.47743	23575	374.049	100.319
110002	KAL906	116.948	39.76753	37075	500.728	183.091
110002	AAR551	116.7245	40.19078	30075	444.19	35.193
110002	PAL358	116.5969	39.21216	16700	328.032	311.416
110002	CCA1338	115.891	37.87115	23050	392.173	342.489
110002	EU2269	115.9145	38.90757	26600	401.254	299.568
110002	CSN6129	116.9416	39.58933	10600	208.002	359.725
110002	HDA900	116.6417	39.63634	8175	195.31	3.229
110002	CPA841	114.5514	39.26751	38100	510.392	198.506
110002	CCA904	116.3348	38.96613	15950	318.76	341.338
110002	CES744	121.3051	38.54018	17675	330.651	61.652
110002	CSN6126	116.8457	40.16494	8125	295.373	245.604
110002	CBJ5247	120.9187	38.5278	32100	382.873	122.196
110002	CSC8725	117.0778	37.22075	23600	432.456	116.506
110002	AMU238	117.4232	39.09727	5975	216.539	292.538
110002	CDG4717	116.7307	40.21857	19700	365.657	353.089
110002	CUA5895	115.8644	39.73317	9050	272.809	85.585
110002	CCA1233	115.661	40.13902	22625	399.491	101.113
110002	YZR7491	116.2122	38.53203	29100	470.083	337.089
110002	CES2811	116.8755	39.85707	6150	244.1	113.414
110002	CSZ9797	117.3573	39.1268	225	135.085	295.313
110002	CCA1332	115.3833	37.05272	8150	257.42	276.021
110002	CSZ9761	120.385	37.34756	30100	383.802	164.588
110002	CSN6569	116.2352	39.05846	11800	375.229	117.111
110002	CUA2918	116.1542	39.63986	8150	193.494	209.745
110002	CCA162	121.4841	38.51157	4325	193.373	6.831
110002	FZA6569	116.8035	37.16098	25575	422.214	7.075
110002	CDG4652	119.5135	38.14099	20700	427.235	208.065
110002	CXA8681	117.3053	39.06033	4925	186.526	85.696
110002	CSN6402	118.8688	41.1178	31100	461.411	276.971
110002	CCA1575	119.3128	38.4369	22600	439.765	208.08
110002	CHB6314	117.1145	37.23495	21700	321.994	116.565
110002	CSZ936Q	118.6299	39.42826	29100	441.192	346.499
110002	CCA4137	116.5496	39.41588	13075	264.008	331.493
110002	CES2122	116.2136	40.24031	13750	291.122	102.7
110002	CCA4175	118.5245	41.01563	29100	458.537	293.658
110002	CSC8686	120.1616	37.98692	32100	401.676	135.807
110002	CCA1367	114.7114	39.1407	35275	447.544	157.676
110002	CSN3000	115.1052	39.51126	28150	445.121	132.724
110002	CSH9131	117.3053	39.23762	1950	163.478	193.441
110002	CA1112	116.5269	40.34007	12775	317.695	266.21
110002	CSN6114	117.2455	40.58559	20250	429.796	299.249

110002	CCA130S	116.118	40.10368	21925	369.985	123.647
110002	CSN314X	115.8753	39.97664	19625	414.638	123.69
110002	CUA2201	113.6646	40.24365	36100	395.419	62.268
110002	CNM1114	116.2367	39.72084	10600	241.133	268.099
110002	CCA1540	116.827	37.0887	27600	436.359	11.233
110002	CSZ9753	121.1196	38.70218	30100	369.207	136.317
110002	OKA2993	117.257	40.58662	29100	424.815	306.384
110002	CDG4628	120.7456	38.76855	19700	370.438	120.858
110002	CUA5866	116.2817	39.33888	8025	263.245	347.495
110002	CCA160	118.5375	38.58277	22875	389.874	61.002
110002	CSN3681	116.6233	39.75472	6475	196.128	6.147
110002	CHH7673	116.8768	36.88911	30100	445.772	11.386
110002	CES5151	116.6167	38.39545	17875	397.685	350.301
110002	CSH9124	119.1442	38.68254	31100	428.655	208.418
110002	CCA111	116.5104	40.29012	7375	281.86	122.393
110002	CUA5905	116.8057	37.8141	29100	466.367	196.57
110002	CES2773	120.4825	37.68543	29875	377.763	176.357
110002	CSN3133	116.3939	38.6472	13500	376.948	318.657
110002	CCA1128	118.7259	41.53024	32100	429.009	128.66
110002	CCA1656	116.6235	38.80843	11100	351.063	353.786
110002	JYH1041	122.1629	38.65945	31100	475.96	343.774
110002	CXA8068	120.9342	38.53505	36100	364.539	122.339
110002	CXA8039	117.4322	39.19647	3650	178.219	37.706
110002	CXA8697	121.2536	38.60188	32100	416.773	173.387
110002	UEA2719	118.8269	36.67538	29100	461.346	321.689
110002	CDG8825	116.2526	36.75192	26600	454.397	272.396
110002	QW9853	119.7139	40.79086	33075	464.88	324.19
110002	CXA8229	116.9818	39.12399	7000	279.303	77.805
110002	CCA4276	117.1496	42.11334	32075	442.721	95.054
110002	CCD161X	116.733	39.60092	6150	185.003	56.911
110002	TBA6011	113.9959	38.29092	31125	486.121	286.123
110002	SNG4301	116.9704	37.37531	29125	466.653	196.687
110002	CSN3731	115.7494	37.59619	25000	392.745	334.675
110002	FZA6659	118.3151	37.46897	23600	391.778	98.957
110002	CHH717X	115.1513	36.65514	31100	453.154	334.792
110002	TBA9925	115.7673	38.84868	31100	458.45	299.249
110002	GCR7958	116.9323	38.94644	7200	280.223	291.346
110002	GCR7896	114.985	38.5143	22475	445.695	292.422
110002	CXA8178	117.1294	37.01811	37100	481.274	200.431
110002	N	117.2245	39.09311	325	25.02	2.291
110002	KN5977	117.079	37.12685	31100	456.929	200.497
110002	CSN6120	116.3996	39.14503	14800	271.017	353.006
110002	CCA439	116.6943	37.01349	33100	492.395	296.149

110002	JAL21	121.0446	38.5318	27600	430.305	78.063
110002	UAL852	118.3684	38.92021	34875	531.507	258.056
110003	BAW18	117.6014	38.98462	38075	444.775	61.533
110003	FIN42	116.0018	41.90549	37375	461.637	35.033
110003	FIN58	116.5726	39.04923	34100	464.001	0.123
110003	SWR189	116.9238	36.81395	34100	476.42	2.406
110003	VJT744	116.9922	39.58165	24050	374	180
110003	AAR997	121.687	38.47743	23575	374.049	100.319
110003	KAL906	116.948	39.76753	37075	500.728	183.091
110003	AAR551	116.7228	40.19257	30075	444.19	35.193
110003	PAL358	116.5987	39.21336	16675	328.032	311.416
110003	CCA1338	115.8921	37.87404	23000	391.874	342.629
110003	EU2269	115.9177	38.90901	26600	401.254	299.568
110003	CSN6129	116.9417	39.59077	10575	208.002	359.725
110003	HDA900	116.6415	39.63779	8175	194.435	3.834
110003	CCA904	116.3357	38.96837	15925	318.76	341.338
110003	CES744	121.3051	38.54018	17675	330.651	61.652
110003	CSN6126	116.8457	40.16494	8125	292.358	218.752
110003	CBJ5247	120.9187	38.5278	32100	382.341	122.069
110003	CSZ9628	120.2996	37.74158	34075	387.46	162.734
110003	AMU238	117.4238	39.09732	5975	216.539	292.538
110003	CDG4717	116.7318	40.2258	19700	365.657	353.089
110003	CUA5895	115.8644	39.73317	9050	273.562	80.744
110003	CCA1233	115.6473	40.13695	22600	399.491	101.113
110003	YZR7491	116.214	38.53523	29100	470.083	337.089
110003	CES2811	116.8755	39.85707	6150	245.088	117.192
110003	CSZ9797	117.3573	39.1268	225	135.085	295.313
110003	CCA1332	115.3833	37.05272	8150	255.988	278.763
110003	CSN6569	116.2314	39.05685	11800	374.775	116.975
110003	CUA2918	116.1554	39.63863	8150	193.494	209.745
110003	CCA118	115.3508	36.99651	31800	443.308	334.764
110003	FZA6569	116.8029	37.16505	25575	422.214	7.075
110003	CDG4652	119.5154	38.1382	20700	427.235	208.065
110003	CXA8681	117.3047	39.06035	4950	186.604	85.389
110003	CCA1575	119.3128	38.4369	22600	439.765	208.08
110003	CHB6314	117.1145	37.23495	21700	321.994	116.565
110003	CSZ936Q	118.6307	39.43068	29100	440.959	346.626
110003	CCA4137	116.5505	39.41716	13050	264.486	331.303
110003	CCA4175	118.526	41.01615	29100	457.22	293.594
110003	CSC8686	120.1575	37.98367	32100	401.676	135.807
110003	CSN3000	115.1036	39.51018	28175	445.121	132.724
110003	CSH9131	117.3053	39.23762	1950	162.086	195.751
110003	CHH7607	116.9398	40.25647	13425	319.695	255.138

110003	CA1112	116.5269	40.34007	12775	316.697	266.198
110003	CSN6114	117.2491	40.58716	20300	429.415	299.43
110003	CCA130S	116.1143	40.10177	22000	369.985	123.647
110003	CSN314X	115.8741	39.976	19650	414.638	123.69
110003	CUA2201	113.6633	40.24418	36100	395.419	62.268
110003	CNM1114	116.2384	39.72079	10600	241.133	268.099
110003	CCA1540	116.8266	37.09068	27600	436.359	11.233
110003	CSZ9753	121.1196	38.70218	30100	369.207	136.317
110003	OKA2993	117.2591	40.58771	29100	425.207	304.363
110003	CDG4628	120.7338	38.76302	19675	370.438	120.858
110003	CUA5866	116.2822	39.34081	7975	263.245	347.495
110003	CCA160	118.5334	38.5845	22825	389.874	61.002
110003	CSN3681	116.6233	39.75472	6475	196.128	6.147
110003	CHH7673	116.8766	36.88994	30100	444.792	11.411
110003	CES5151	116.6171	38.39726	17850	396.699	350.276
110003	CUA5905	116.8057	37.8141	29100	466.367	196.57
110003	CES2773	120.4825	37.68543	29875	377.763	176.357
110003	CSN3133	116.4025	38.65479	13400	376.948	318.657
110003	CCA1128	118.7259	41.53024	32100	429.009	128.66
110003	CCA1656	116.6237	38.81004	11075	351.063	353.786
110003	JYH1041	122.1636	38.66112	31100	475.96	343.774
110003	CXA8039	117.4316	39.19712	3625	178.219	37.706
110003	UEA2719	118.8269	36.67538	29100	462.131	321.766
110003	CDG8825	116.2554	36.75201	26600	454.397	272.396
110003	QW9853	119.7175	40.79453	33075	464.88	324.19
110003	CXA8229	116.9786	39.1245	7050	279.303	77.805
110003	CCD161X	116.7304	39.60231	6150	185.068	51.582
110003	TBA6011	113.9959	38.29092	31125	486.121	286.123
110003	CUA5667	115.1527	40.11253	26375	365.005	90.314
110003	SNG4301	116.9752	37.36272	29125	466.653	196.687
110003	FZA6659	118.3062	37.4678	23600	391.778	98.957
110003	TBA9925	115.7706	38.85013	31100	458.45	299.249
110003	GCR7958	116.935	38.94727	7175	280.223	291.346
110003	GCR7896	114.9876	38.51514	22475	445.695	292.422
110003	CXA8178	117.1299	37.01706	37100	481.274	200.431
110003	N	117.2245	39.09329	325	27.019	2.121
110003	CCA1228	116.198	40.35649	15100	369.716	266.433
110003	CSN6120	116.3996	39.14503	14800	270.535	356.397
110003	CCA439	116.6943	37.01349	33100	492.395	296.149
110003	CCA1901	114.6285	40.10945	27600	420.03	90.682
110004	BAW18	117.6014	38.98462	38075	443.896	61.472
110004	FIN58	116.5725	39.05128	34100	464.001	0.123
110004	SWR189	116.9236	36.81697	34100	476.42	2.406

110004	VJT744	116.9922	39.58165	24050	374	180
110004	AAR997	121.687	38.47743	23575	374.049	100.319
110004	KAL906	116.9488	39.75481	37075	500.728	183.091
110004	AAR551	116.7202	40.19536	30100	444.072	35.838
110004	PAL358	116.5998	39.21419	16675	328.032	311.416
110004	CCA1338	115.8921	37.87404	23000	390.326	342.865
110004	EU2269	115.9177	38.90901	26600	402.124	299.497
110004	CSN6129	116.9417	39.59114	10575	207.002	359.723
110004	HDA900	116.6415	39.63779	8175	193.582	4.444
110004	CPA841	114.5557	39.25769	38100	510.392	198.506
110004	CCA904	116.3363	38.96976	15900	318.442	341.508
110004	CES744	121.3051	38.54018	17675	330.651	61.652
110004	CSN6126	116.8457	40.16494	8125	292.236	217.772
110004	CBJ5247	120.9093	38.52315	32100	382.341	122.069
110004	CSZ9628	120.298	37.73743	34025	387.46	162.734
110004	CSC8725	117.0765	37.22021	23600	432.456	116.506
110004	AMU238	117.4257	39.09787	5950	216.539	292.538
110004	CDG4717	116.7318	40.2258	19700	365.657	353.089
110004	CUA5895	115.8625	39.7335	9100	272.809	79.226
110004	CCA1233	115.6473	40.13695	22600	399.491	101.113
110004	YZR7491	116.2144	38.53606	29100	470.083	337.089
110004	CES2811	116.8733	39.85598	6150	245.088	117.192
110004	CCA1332	115.3833	37.05272	8150	255.18	280.385
110004	CSZ9761	120.385	37.34756	30100	383.802	164.588
110004	CSN6569	116.2303	39.0564	11800	375.213	116.428
110004	CUA2918	116.1554	39.63863	8150	193.992	210.001
110004	FZA6569	116.8027	37.16661	25575	422.214	7.075
110004	CDG4652	119.5158	38.1375	20700	427.235	208.065
110004	CXA8681	117.3032	39.06045	5000	186.604	85.389
110004	CHB6314	117.1145	37.23495	21700	321.994	116.565
110004	CSZ936Q	118.6307	39.43068	29100	440.959	346.626
110004	CCA4137	116.5514	39.41844	13025	264.486	331.303
110004	CES2122	116.2116	40.23999	13800	292.098	102.656
110004	CCA4175	118.526	41.01615	29100	457.22	293.594
110004	CCA1367	114.7114	39.1407	35275	447.544	157.676
110004	CSN3000	115.1023	39.50926	28200	445.8	132.818
110004	CSH9131	117.3058	39.23618	1950	162.086	195.751
110004	CHH7607	116.9417	40.25606	13450	320.203	253.489
110004	CA1112	116.5296	40.33992	12775	316.697	266.198
110004	FZA6595	119.5947	40.66277	34100	419.662	144.113
110004	CSN6114	117.2514	40.58815	20350	429.415	299.43
110004	CCA130S	116.1124	40.10083	22050	369.985	123.647
110004	CSN314X	115.8741	39.976	19650	414.638	123.69

110004	CUA2201	113.6633	40.24418	36100	395.419	62.268
110004	CNM1114	116.2384	39.72079	10600	241.133	268.099
110004	CCA1540	116.8263	37.09186	27600	436.359	11.233
110004	CSZ9753	121.1196	38.70218	30100	369.207	136.317
110004	OKA2993	117.2634	40.58986	29100	425.207	304.363
110004	CUA5866	116.2825	39.34172	7950	263.245	347.495
110004	CCA160	118.5334	38.5845	22825	389.874	61.002
110004	CSN3681	116.6233	39.75472	6475	196.237	6.437
110004	CHH7673	116.8766	36.88994	30100	444.792	11.411
110004	CES5151	116.6175	38.39908	17825	396.699	350.276
110004	CSH9124	119.1442	38.68254	31100	429.132	208.536
110004	CUA5905	116.8068	37.81119	29100	466.367	196.57
110004	CES2773	120.4825	37.68543	29875	377.763	176.357
110004	CSN3133	116.4025	38.65479	13400	376.948	318.657
110004	CCA1128	118.7259	41.53024	32100	429.009	128.66
110004	CCA1656	116.6241	38.81232	11075	351.063	353.786
110004	JYH1041	122.1636	38.66112	31100	475.96	343.774
110004	CXA8068	120.9004	38.5183	36100	364.539	122.339
110004	CXA8039	117.4312	39.19753	3625	177.609	37.451
110004	CXA8697	121.2536	38.60188	32100	416.773	173.387
110004	UEA2719	118.8269	36.67538	29100	462.917	321.843
110004	CDG8825	116.2578	36.75211	26600	454.397	272.396
110004	QW9853	119.7175	40.79453	33075	464.88	324.19
110004	CXA8229	116.9786	39.1245	7050	278.115	77.963
110004	TBA6011	113.9959	38.29092	31125	486.121	286.123
110004	SNG4301	116.9765	37.35929	29125	466.653	196.687
110004	CSN3731	115.7515	37.5997	24975	392.745	334.675
110004	FZA6659	118.3062	37.4678	23600	391.778	98.957
110004	CHH717X	115.1513	36.65514	31100	453.154	334.792
110004	TBA9925	115.7721	38.85077	31100	459.322	299.188
110004	GCR7958	116.9358	38.94749	7150	280.223	291.346
110004	GCR7896	114.9897	38.51582	22450	445.695	292.422
110004	KN5977	117.079	37.12685	31100	456.929	200.497
110004	CCA1228	116.2051	40.35617	15050	368.718	266.424
110004	CSN6120	116.3996	39.14503	14800	270.535	356.397
110004	CUA5201	113.6462	38.48017	32100	458.328	131.55
110004	CCA1901	114.6285	40.10945	27600	420.03	90.682
110004	JAL21	121.0446	38.5318	27600	430.305	78.063
110004	UAL852	118.3684	38.92021	34875	531.715	257.95
110005	BAW18	117.5969	38.98648	38075	443.896	61.472
110005	FIN42	116.0018	41.90549	37375	461.395	35.206
110005	FIN58	116.5725	39.05333	34100	464.001	0.123
110005	SWR189	116.9235	36.82013	34100	476.42	2.406

110005	VJT744	116.9922	39.58165	24050	374	180
110005	AAR997	121.687	38.47743	23575	374.049	100.319
110005	KAL906	116.949	39.75156	37075	500.728	183.091
110005	AAR551	116.7182	40.19748	30100	443.63	36.198
110005	PAL358	116.6013	39.21519	16675	328.783	311.301
110005	CCA1338	115.8921	37.87404	23000	390.326	342.865
110005	EU2269	115.9207	38.91037	26600	402.124	299.497
110005	CSN6129	116.9416	39.59102	10550	207.002	359.723
110005	HDA900	116.6413	39.63977	8175	193.582	4.444
110005	CPA841	114.5578	39.25278	38100	510.392	198.506
110005	CSN3615	116.8723	41.37758	29100	456.098	314.556
110005	CCA904	116.3365	38.97032	15875	318.442	341.508
110005	CES744	121.3051	38.54018	17700	330.651	61.652
110005	CSN6126	116.851	40.15973	8300	292.236	217.772
110005	CSZ9628	120.2962	37.73301	34000	388.415	162.778
110005	CSC8725	117.0698	37.21758	23600	432.456	116.506
110005	AMU238	117.4272	39.09876	5925	215.615	292.64
110005	CDG4717	116.7325	40.23015	19700	365.657	353.089
110005	CUA5895	115.8596	39.73398	9200	272.809	79.226
110005	CCA1233	115.6435	40.1364	22625	401.454	101.058
110005	CDG4915	120.7406	38.30035	23575	371.84	159.372
110005	YZR7491	116.2144	38.53606	29100	470.473	336.977
110005	CES2811	116.8726	39.85561	6150	245.758	120.844
110005	CCA1332	115.3833	37.05272	8150	254.578	282.016
110005	CSN6569	116.2275	39.05544	11800	375.251	115.746
110005	CUA2918	116.1565	39.63698	8150	193.992	210.001
110005	CCA118	115.3508	36.99651	31800	443.308	334.764
110005	FZA6569	116.8027	37.16661	25575	422.214	7.075
110005	CXA8681	117.3015	39.06056	5075	186.687	85.083
110005	CCA1575	119.3145	38.43441	22600	439.765	208.08
110005	CHB6314	117.1095	37.23295	21700	321.994	116.565
110005	CSZ936Q	118.6319	39.43463	29100	440.959	346.626
110005	CCA4137	116.5522	39.41955	13000	264.486	331.303
110005	CES2122	116.2116	40.23999	13800	292.098	102.656
110005	CCA4175	118.5332	41.01851	29100	457.22	293.594
110005	CSC8686	120.1575	37.98367	32100	401.676	135.807
110005	CCA1367	114.7114	39.1407	35275	447.715	157.961
110005	CSN3000	115.1005	39.50791	28200	445.8	132.818
110005	CSH9131	117.3061	39.23547	1950	161.682	196.53
110005	CHH7607	116.9428	40.25578	13475	320.203	253.489
110005	CA1112	116.5327	40.33978	12775	314.701	266.174
110005	CCA1132	116.9419	40.72142	13775	271.312	129.616
110005	CSN6114	117.2537	40.58913	20375	430.029	299.844

110005	CCA130S	116.1087	40.09891	22150	370.54	123.776
110005	CSN314X	115.8695	39.97366	19650	414.638	123.69
110005	CUA2201	113.6603	40.24535	36100	395.419	62.268
110005	CNM1114	116.2413	39.7207	10550	241.133	268.099
110005	CCA1540	116.8254	37.09543	27600	436.359	11.233
110005	CSZ9753	121.1196	38.70218	30100	369.207	136.317
110005	OKA2993	117.2634	40.58986	29100	425.183	303.391
110005	CDG4628	120.7338	38.76302	19675	370.438	120.858
110005	CUA5866	116.283	39.34339	7900	262.269	347.447
110005	*0076104	120.7507	37.3436	31100	492.571	329.635
110005	CCA160	118.5294	38.58627	22800	389.874	61.002
110005	CSN3681	116.6229	39.75738	6425	196.237	6.437
110005	CHH7673	116.8752	36.89521	30100	444.792	11.411
110005	CES5151	116.6179	38.40125	17800	396.699	350.276
110005	CSH9124	119.1442	38.68254	31100	429.132	208.536
110005	CCA111	116.4943	40.28311	7500	281.86	122.393
110005	CUA5905	116.8075	37.80912	29100	466.367	196.57
110005	CES2773	120.4825	37.68543	29875	377.763	176.357
110005	CSN3133	116.4063	38.65819	13350	376.948	318.657
110005	CCA1128	118.7176	41.5253	32100	429.009	128.66
110005	CCA1656	116.6244	38.81424	11050	351.027	352.47
110005	JYH1041	122.1667	38.66871	31100	475.96	343.774
110005	CXA8039	117.4307	39.19807	3625	178.404	37.255
110005	UEA2719	118.8269	36.67538	29100	462.917	321.843
110005	CDG8825	116.2602	36.7522	26600	454.397	272.396
110005	QW9853	119.7175	40.79453	33075	464.88	324.19
110005	CXA8229	116.9769	39.12479	7075	278.115	77.963
110005	CES2164	120.338	41.59852	32100	403.031	90.711
110005	CCD161X	116.7304	39.60231	6150	184.665	46.975
110005	TBA6011	113.9959	38.29092	31125	486.121	286.123
110005	CUA5667	115.1527	40.11253	26375	365.012	90.471
110005	SNG4301	116.9765	37.35929	29125	466.653	196.687
110005	CSN3731	115.752	37.60052	24950	392.745	334.675
110005	CHH717X	115.1513	36.65514	31100	453.154	334.792
110005	TBA9925	115.7758	38.85242	31100	459.322	299.188
110005	GCR7958	116.9374	38.94798	7150	280.223	291.346
110005	GCR7896	114.9897	38.51582	22450	445.695	292.422
110005	CXA8178	117.1327	37.01098	37100	481.274	200.431
110005	KN5977	117.079	37.12685	31100	456.58	200.38
110005	CCA1228	116.208	40.35603	15025	368.718	266.424
110005	CSN6120	116.3998	39.14772	14800	270.185	357.879
110005	CCA1901	114.6285	40.10945	27600	420.03	90.682
110005	JAL21	121.0446	38.5318	27575	430.305	78.063

110006	BAW18	117.5923	38.98848	38100	443.896	61.472
110006	FIN42	116.0018	41.90549	37375	461.395	35.206
110006	FIN58	116.5725	39.05539	34100	464.001	0.123
110006	SWR189	116.9235	36.82013	34100	476.42	2.406
110006	VJT744	116.9922	39.58165	24050	374	180
110006	KAL906	116.9492	39.7495	37075	500.728	183.091
110006	AAR551	116.7171	40.19852	30100	443.63	36.198
110006	PAL358	116.6028	39.21616	16675	328.783	311.301
110006	CCA1338	115.894	37.87889	22925	390.326	342.865
110006	EU2269	115.9238	38.91171	26600	402.124	299.497
110006	HDA900	116.6412	39.64067	8175	193.662	4.739
110006	CPA841	114.5591	39.24963	38100	510.392	198.506
110006	CCA904	116.3372	38.97171	15850	318.442	341.508
110006	CES744	121.3051	38.54018	17700	330.177	61.805
110006	CSN6126	116.8516	40.15906	8325	291.4	216.909
110006	CBJ5247	120.9053	38.52118	32100	382.341	122.069
110006	CSZ9628	120.2958	37.73195	34000	388.415	162.778
110006	CSC8725	117.0686	37.21712	23600	432.456	116.506
110006	AMU238	117.428	39.09881	5925	214.693	292.743
110006	CDG4717	116.7325	40.23015	19700	365.657	353.089
110006	CUA5895	115.8596	39.73398	9200	272.125	75.964
110006	CCA1233	115.6402	40.1359	22625	401.454	101.058
110006	YZR7491	116.217	38.54086	29100	470.473	336.977
110006	CES2811	116.8709	39.85474	6150	246.587	122.917
110006	CCA1332	115.3833	37.05272	8150	253.211	283.707
110006	CSZ9761	120.385	37.34756	30100	383.802	164.588
110006	CSN6569	116.2255	39.05453	11800	374.919	114.925
110006	CUA2918	116.1571	39.63606	8150	193.992	210.001
110006	FZA6569	116.8021	37.1705	25575	422.214	7.075
110006	CXA8681	117.301	39.06063	5075	186.687	85.083
110006	CCA1575	119.3174	38.43008	22600	439.765	208.08
110006	CHB6314	117.1088	37.23267	21700	321.994	116.565
110006	CSZ936Q	118.6325	39.43664	29100	441.932	346.656
110006	CCA4137	116.5524	39.41997	13000	264.486	331.303
110006	CES2122	116.2058	40.23896	13950	292.098	102.656
110006	CCA4175	118.5357	41.01936	29100	457.22	293.594
110006	CBJ5739	117.3654	39.13696	325	141.792	205.313
110006	CSC8686	120.1534	37.98025	32100	401.676	135.807
110006	CCA1367	114.7028	39.12422	35525	447.715	157.961
110006	CSN3000	115.1005	39.50791	28200	445.8	132.818
110006	CSH9131	117.3063	39.23492	1950	161.608	197.65
110006	CHH7607	116.9457	40.25502	13550	320.203	253.489
110006	FZA6595	119.5903	40.65953	34100	419.662	144.113

110006	CSN6114	117.2554	40.58995	20425	429.661	300.026
110006	CCA130S	116.1087	40.09891	22150	370.54	123.776
110006	CSN314X	115.8687	39.9732	19675	414.638	123.69
110006	CUA2201	113.6603	40.24535	36100	395.419	62.268
110006	CNM1114	116.2413	39.7207	10550	240.133	268.091
110006	CCA1540	116.8254	37.09543	27600	436.359	11.233
110006	CSZ9753	121.1196	38.70218	30100	369.207	136.317
110006	OKA2993	117.2661	40.59114	29100	425.183	303.391
110006	CDG4628	120.7338	38.76302	19675	370.438	120.858
110006	CUA5866	116.2834	39.34483	7875	262.269	347.447
110006	CCA160	118.5286	38.58659	22800	389.874	61.002
110006	*0076145	116.9606	36.31908	27600	459.743	4.991
110006	CSN3681	116.6229	39.75794	6425	195.359	6.761
110006	CHH7673	116.8746	36.89763	30100	444.792	11.411
110006	CES5151	116.6181	38.40198	17800	396.699	350.276
110006	CSH9124	119.1483	38.67662	31100	429.132	208.536
110006	CCA111	116.4928	40.2824	7525	281.519	124.142
110006	CUA5905	116.8086	37.80624	29100	466.367	196.57
110006	CES2773	120.4825	37.68543	29875	377.763	176.357
110006	CSN3133	116.4079	38.65963	13350	377.61	318.543