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AVHRR Satellite Data - Users Guide for Accessing NOARL Archives

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ABSTRACT

The Naval Oceanographic and Atmospheric Research Laboratory (NOARL) Atmospheric Directorate in Monterey, CA, houses nine-track magnetic tapes of Advanced Very High Resolution Radiometer (AVHRR) satellite data covering 3182 individual scenes in a time range between 15 July 1988 and 9 November 1989. A database has been assembled and a catalog developed to aid researchers wishing to access these data. This technical note describes the database and provides the entire catalog listing.

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AVHRR Satellite Data - Users Guide for Accessing NOARL Archives

1. INTRODUCTION

The Naval Oceanographic and Atmospheric Research Laboratory (NOARL) Atmospheric Directorate in Monterey, CA has amassed a large database of satellite images from the National Oceanic and Atmospheric Administration's (NOAA's) AVHRR. The time span ranges from 15 July 1988 through 9 November 1989 and covers various regions throughout the northern hemisphere.

As a response to the needs of the local research community, NOARL has recently assembled this data set and developed a corresponding catalog which should greatly facilitate the process of locating and processing the data. This report describes the data set as well as the contents of the catalog.

2. DATA SET

This section briefly describes some of the more important aspects of the collected data for image processing. The database consists of satellite passes recorded from NOAA-9, NOAA-10 and NOAA-11 polar orbiters. Data is in the form of raw radiance counts in 1 km by 1 km bins in 5 separate wavelength channels ranging from visible to infrared (IR) (see Table 1). For each recorded pass, the collected data covers a finite section of the globe. An example of the coverage of a typical pass is shown in Figure 1. As shown, along the orbiter's pass, the width of each pass is fixed at 2048 samples while the number of recorded lines along the length of the orbiter's path varies from pass to pass. Typically, from 8 to 15 minutes of data are stored per pass. Data is stored on 6250 bpi 9-track magnetic tapes in either Local Area Coverage (LAC)

Table 1. Wavebands of the Advanced Very High Resolution Radiometer (AVHRR) Stored in the Data Set.

Channel	Wavebands (micrometers)	Center Frequency (micrometers)
1	0.58 - 0.68	0.63
2	0.73 - 1.10	0.83
3	3.55 - 3.93	3.70
4	10.30 - 11.30	11.00
5	11.50 - 12.50	12.00

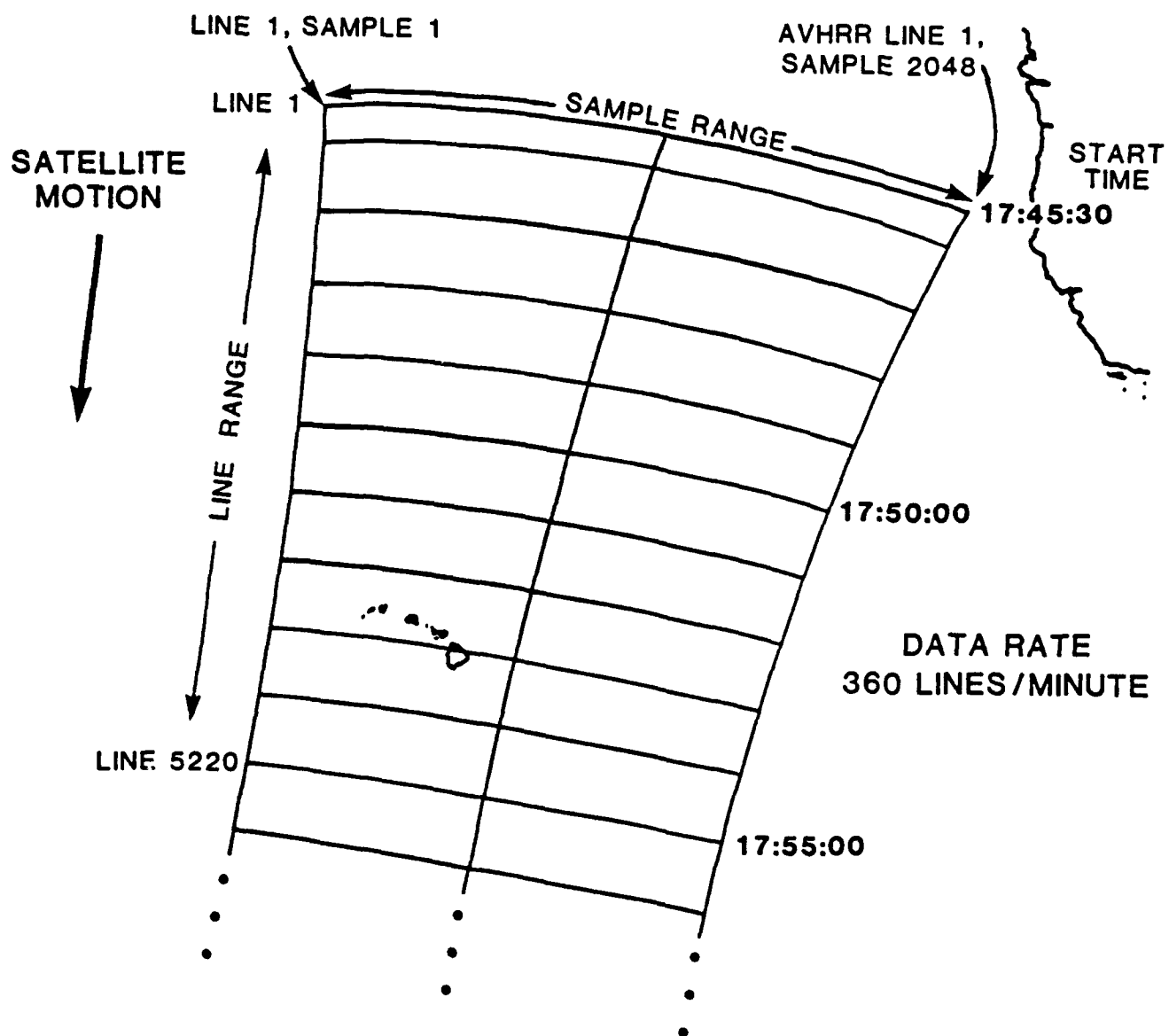


Fig. 1. Example of area coverage of a satellite pass.

or High Resolution Picture Transmission (HRPT) format. Altogether, there are 1524 tapes which contain recorded image data for 3182 individual satellite passes. These tapes are stored in Building 4 of the Naval Postgraduate School (NPS) Annex and are maintained by NOARL personnel. For more detailed information of the data structure, the reader is encouraged to refer to texts which cover NOAA polar orbiter data sets such as the Terascan Users Manual (Seaspace, 1989).

Table 2 lists the various regions of the globe covered by the data set. The size of the passes are usually large enough that many of the scenes overlap. For example, the east coast of the United States (E Coast) overlaps the Gulf of Mexico scenes (Gomex) much of the time. The process of classifying the regions was rather subjective.

3. THE CATALOG

Appendix A contains the catalog of the database. Within this listing are various fields describing each satellite pass along with the location of the pass as recorded within the tape. A description of these fields is presented in Table 3.

The remainder of this technical note provides an example to aid the user in accessing the satellite images. (Refer to Appendix A and Tables 2 and 3 as reference.)

As shown in Appendix A, the listing contains line entries or files of individual satellite images recorded over a particular global region or 'scene'. There are 12 fields for each file and they are labelled in the header line at the top of each page. Table 1 describes these fields. Table 2 expands the abbreviated names in the 'SCENE' field for easier interpretation.

Table 2. List of Scenes Archived on Tapes.

<u>Tape/Catalog ID</u>	<u>Scene Location</u>	<u>Number of Files</u>
1. Atl/Gom	W Atlantic Ocean/Gulf of Mexico	94
2. Barents Sea	Barents Sea	158
3. Black Sea	Black Sea	1
4. Cent Atlant	Central Atlantic Ocean	1
5. Cent Pacific	Central Pacific Ocean	389
6. China Sea	China Sea	99
7. E China Sea	East China Sea	1
8. E Coast	East Coast United States	6
9. E Med Sea	Eastern Mediterranean Sea	144
10. Giuk Gap	Greenland, Iceland, U. Kingdom Gap	329
11. Gomex	Gulf of Mexico	5
12. Hawaii	Hawaii	2
13. Jap/Okh	Japan and Okinawa region	11
14. Kuroshio	Kuroshio Current region	247
15. Lincoln Sea	Lincoln Sea	1
16. Maderia	E Atlantic Ocean near Maderia	80
17. Med Sea	Mediterranean Sea	124
18. NE Pacific	Northeastern Pacific Ocean	331
19. NW Atlantic	Northwest Atlantic Ocean	2
20. Oil Spill	EXXON Valdez oil spill off Alaska	13
21. Persian Gulf	Persian Gulf	217
22. Philippne Is	Philippine Islands	1
23. So Cal	Southern California	113
24. Spitzburg	Spitzburg, Island E of Greenland	1
25. W Atlantic	Western Atlantic Ocean	640
26. W Med Sea	Western Mediterranean Sea	172

	TOTAL	3182

Table 3. Description of the fields for each File in the Catalog.

Catalog ID	Description
1. [DATE]	Date of file. Format: [YYMMDD]
2. [S]	Daily alphabetic sequence of tape. Format: [A-Z]
3. [BIN]	Bin number of tape stored at NOARL
4. [F]	File number of scene on tape
5. [SCENE]	General location of satellite pass
6. [T]	Satellite data format - Either (L)ac or (H)rpt
7. [NA]	Satellite type - Either NOAA 9, 10 or 11
8. [START]	Start time (Gmt) of satellite pass (HHMM)
9. [STOP]	End time (Gmt) of satellite pass (HHMM)
10.[ORBIT]	Orbit number of satellite
11.[RECS]	Number of records
12.[NOTES]	Comments about quality of data or date of recording
13.[nr]	Data not recorded within a record

The first entry in the catalog listing is read as follows:

Description	Value	Field ID (described in Table 3)
Date of image	9 March 1989	[DATE]
Tape ID	'890309 E'	[DATE S]
Tape bin number	592	[BIN]
File number within tape	3rd	[F]
Region of Image	Western Atlantic Ocean/ Gulf of Mexico	[SCENE]
Satellite data format	HRPT	[T]
Name of satellite	NOAA-11 orbiter	[NA]
Start time of recording	18:52 Gmt	[START]
End time of recording	18:59 Gmt	[STOP]
Satellite's orbit number	2346	[ORBIT]
Number of records	5754	[RECS]

There are two sections within the catalog listing. Section A-1 consists of tapes which store satellite imagery recorded between 01 October 1988 through 30 September 1989. Section A-2 consists of tapes which store satellite images recorded between 1 October 1989 through 9 November 1989. As shown, the listing is sorted alphabetically by scene. Each scene is then sorted in chronological order.

The catalog is also stored on floppy disk as a spreadsheet file developed by Lotus 123 software. The database is also stored as a data file on NOARL's Hewlett Packard Naval Environmental Operational Nowcasting System (NEONS). The user may request a listing of this database by contacting Mr. Arunas Kuciauskas at NOARL, COM (408) 647-4784 or AV878-4784.

4. ACCESSING THE DATABASE

At the present time, users of the database consist of research scientists at NOARL and the Naval Postgraduate School (NPS). At NOARL, TERASCAN and the Interactive Data Language (IDL) (Research Systems, Inc., 1991) are the software packages used for ingesting and processing the data; operations are conducted on the HP mini-computer. At NPS, researchers process the data on AVIAN, a software package developed in-house and operated on the IDEA laboratory system. Users interested in image processing are encouraged to contact individuals in either of these facilities.

REFERENCES

Seaspace, 1989: Terascan user documentation. San Diego, CA

Research Systems, Inc., 1991: IDL user's guide. Boulder, CO

Research Systems, Inc., 1991: Introduction to IDL. Boulder, CO

APPENDIX A - CATALOG OF AVHRR TAPES HOUSED AT NOARL WEST*

LEGEND

DATE:	Date of scene	START:	Start time of coverage (GMT)
S:	Daily letter sequence	STOP:	Stop time of overage (GMT)
SEQ:	Overall tape sequence no.	ORBIT:	Orbit number of satellite
F:	File number	RECS:	Number of records
SCENE:	Name of scene	NOTES:	Comments on data
T:	Satellite data format (Lac or Hrpt)	nr:	Not recorded
NA:	Satellite type (NOAA 9, 10, or 11)		

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SECTION A-1

TAPES STORED FROM: 01 OCT 1988 THROUGH 30 SEPT 1989

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTE</u>
890309	E	592	3	Atl/Gom	H	11	1852	1859	2346	5754	
890318	B	628	1	Atl/Gom	H	11	1902	1907	2473	3594	
890319	A	631	1	Atl/Gom	H	11	727	738	2480	7914	
890320	B	636	2	Atl/Gom	H	11	716	728	2494	8274	
890327	A	667	1	Atl/Gom	H	11	747	757	2593	7194	
890328	A	673	1	Atl/Gom	H	11	735	746	2607	7914	
890406	F	709	2	Atl/Gom	H	11	1909	1915	2741	4314	
890408	B	718	1	Atl/Gom	H	11	725	735	2762	nr	
890408	D	720	1	Atl/Gom	H	11	1849	1855	2769	4314	
890409	A	722	2	Atl/Gom	H	11	713	725	2776	8270	
890409	B	724	1	Atl/Gom	H	11	1838	1845	2783	5034	
890417	D	749	2	Atl/Gom	H	11	1857	1904	2896	4674	
890418	A	751	1	Atl/Gom	H	11	722	733	2903	8250	
890418	E	755	1	Atl/Gom	H	11	1847	1854	2910	4674	
890505	A	838	2	Atl/Gom	H	11	751	801	3143	7194	
890509	B	862	1	Atl/Gom	H	11	1834	1840	3206	4314	
890512	A	865	2	Atl/Gom	H	11	637	646	3241	6412	
890510	D	869	2	Atl/Gom	H	11	1824	1830	3220	4310	
890514	A	885	1	Atl/Gom	H	11	759	809	3270	7194	
890615	C	1044	1	Atl/Gom	H	11	1855	1902	3728	2002	
890616	A	1047	1	Atl/Gom	H	11	720	731	3735	8240	
890617	A	1053	2	Atl/Gom	H	11	709	720	3749	8260	
890622	A	1078	1	Atl/Gom	H	11	800	810	3820	6834	
890623	A	1082	2	Atl/Gom	H	11	750	800	3834	7194	
890624	A	1086	1	Atl/Gom	H	11	739	749	3848	7554	
890624	E	1090	2	Atl/Gom	H	11	1903	1909	3855	3896	
890625	A	1092	3	Atl/Gom	H	11	728	739	3862	7914	
890626	A	1097	1	Atl/Gom	H	11	717	728	3876	7892	
890627	A	1103	3	Atl/Gom	H	11	707	717	3890	6554	
890704	A	1136	1	Atl/Gom	H	11	736	746	3989	7554	
890704	D	1139	2	Atl/Gom	H	11	1900	1907	3996	4674	
890705	A	1140	1	Atl/Gom	H	11	726	736	4003	7194	
890706	B	1146	2	Atl/Gom	H	11	715	723	4017	5728	
890713	A	1180	2	Atl/Gom	H	11	743	754	4116	7554	
890713	E	1184	1	Atl/Gom	H	11	1908	1914	4123	4302	
890714	B	1187	2	Atl/Gom	H	11	733	743	4130	7554	
890714	E	1190	3	Atl/Gom	H	11	1857	1904	4137	4674	
890715	E	1197	3	Atl/Gom	H	11	1847	1854	4151	4674	
890717	C	1205	1	Atl/Gom	H	11	1827	1833	4179	4378	
890721	A	1222	1	Atl/Gom	H	11	802	812	4229	7194	
890721	F	1227	3	Atl/Gom	H	11	752	802	4243	7194	
890723	A	1232	1	Atl/Gom	H	11	740	751	4257	7914	
890723	D	1235	1	Atl/Gom	H	11	1905	1909	4264	2874	
890726	A	1251	2	Atl/Gom	H	11	708	720	4299	8264	
890726	C	1253	1	Atl/Gom	H	11	1833	1840	4306	4792	
890801	A	1279	2	Atl/Gom	H	11	748	758	4384	7554	
890802	A	1283	1	Atl/Gom	H	11	737	748	4398	6034	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTE</u>
890802	D	1286	2	Atl/Gom	H	11	1901	1908	4405	5030	
890803	A	1289	1	Atl/Gom	H	11	727	737	4412	7194	
890804	A	1295	2	Atl/Gom	H	11	716	727	4426	8274	
890810	B	1329	1	Atl/Gom	H	11	755	807	4511	8634	
890811	B	1335	1	Atl/Gom	H	11	745	757	4525	8634	
890812	A	1339	2	Atl/Gom	H	11	735	746	4539	8374	
890813	A	1347	1	Atl/Gom	H	11	724	736	4553	8634	
890813	D	1350	2	Atl/Gom	H	11	1846	1855	4560	4886	
890814	A	1352	1	Atl/Gom	H	11	713	726	4567	8994	
890820	B	1380	3	Atl/Gom	H	11	753	803	4652	7194	
890821	A	1384	1	Atl/Gom	H	11	742	752	4666	7554	
890822	A	1390	1	Atl/Gom	H	11	731	742	4680	7914	
890822	E	1394	1	Atl/Gom	H	11	1855	1902	4687	5034	
890823	A	1397	1	Atl/Gom	H	11	720	731	4694	7914	
890823	D	1401	1	Atl/Gom	H	11	1845	1852	4701	5394	
890829	A	1431	1	Atl/Gom	H	11	800	810	4779	7194	
890830	A	1437	2	Atl/Gom	H	11	749	759	4793	7554	
890831	A	1442	1	Atl/Gom	H	11	737	749	4807	8274	
890831	D	1445	1	Atl/Gom	H	11	1903	1909	4814	4674	
890901	B	1448	1	Atl/Gom	H	11	728	738	4821	7554	
890901	D	1450	1	Atl/Gom	H	11	1852	1859	4828	4674	
890903	A	1455	3	Atl/Gom	H	11	706	717	4849	7766	
890903	B	1456	3	Atl/Gom	H	11	1832	1838	4856	4674	
890910	A	1488	1	Atl/Gom	H	11	735	745	4948	7554	
890911	A	1494	1	Atl/Gom	H	11	724	735	4962	7914	
890911	E	1498	2	Atl/Gom	H	11	1848	1856	4969	5394	
890912	D	1503	2	Atl/Gom	H	11	1838	1845	4983	4674	
890919	A	1535	1	Atl/Gom	H	11	742	752	5075	7194	
890920	A	1541	1	Atl/Gom	H	11	731	741	5089	7554	
890921	A	1548	2	Atl/Gom	H	11	720	731	5103	8274	
890921	F	1553	2	Atl/Gom	H	11	1845	1852	5034	5034	
890929	A	1590	1	Atl/Gom	H	11	737	748	5216	7914	
890930	A	1596	1	Atl/Gom	H	11	727	737	5230	7554	
880919	A	1706	2	Barents Sea	L	9	1156	1203	19426	4824	
880924	A	1714	1	Barents Sea	L	9	1242	1249	19497	4820	
881008	C	24	2	Barents Sea	L	9	1149	1156	19694	4846	
881010	C	32	2	Barents Sea	L	9	1127	1134	19722	4822	
881013	B	41	3	Barents Sea	L	9	1236	1243	19765	4734	
881015	B	50	2	Barents Sea	L	9	1214	1221	19793	4842	
881020	C	62	2	Barents Sea	L	9	1300	1307	19864	4750	
881024	A	76	3	Barents Sea	L	9	1215	1222	19920	4730	
881026	B	83	2	Barents Sea	L	9	1155	1200	19948	4828	
881028	A	93	3	Barents Sea	L	9	1131	1138	19976	2264	
881030	B	101	2	Barents Sea	L	9	1251	1258	20005	4784	
881031	A	103	2	Barents Sea	L	9	1240	1247	20019	4846	
881102	A	112	1	Barents Sea	L	9	1217	1224	20047	5168	
881104	A	121	2	Barents Sea	L	9	1154	1202	20075	5192	
881106	A	126	3	Barents Sea	L	9	1132	1140	20103	5208	
881118	A	169	2	Barents Sea	L	11	859	907	775	5140	
881121	A	177	2	Barents Sea	L	11	1011	1019	818	5204	
881130	C	211	1	Barents Sea	L	11	1012	1020	959	5086	
881205	B	230	3	Barents Sea	L	11	932	939	1015	5180	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTE</u>
881207	B	235	1	Barents Sea	L	11	911	919	1043	5202	
881209	B	244	3	Barents Sea	L	11	1033	1041	1072	5190	
881211	A	251	1	Barents Sea	L	11	1013	1020	1100	5172	
881215	D	268	2	Barents Sea	L	11	932	940	1156	5178	
881217	A	272	1	Barents Sea	L	11	912	920	1184	5184	
881219	C	283	1	Barents Sea	L	11	1034	1041	1213	5208	
881221	A	289	3	Barents Sea	L	11	1014	1021	1241	5188	
881223	B	299	2	Barents Sea	L	11	953	1001	1269	5200	
881226	B	308	1	Barents Sea	L	11	923	930	1311	5142	
881228	B	314	1	Barents Sea	L	11	903	910	1339	5194	
881230	C	322	1	Barents Sea	L	11	1025	1033	1368	5134	
890103	B	331	1	Barents Sea	L	11	944	951	1424	5150	
890104	A	333	2	Barents Sea	L	11	934	941	1438	5198	
890107	B	339	3	Barents Sea	L	11	903	911	1480	3184	
890109	C	348	2	Barents Sea	L	11	1025	1033	1509	5062	
890111	A	352	2	Barents Sea	L	11	1004	1012	1537	5202	
890113	B	362	1	Barents Sea	L	11	944	952	1565	5196	
890116	B	375	3	Barents Sea	L	11	914	921	1607	5194	
890119	A	386	1	Barents Sea	L	11	1025	1033	1650	5196	
890123	B	405	1	Barents Sea	L	11	944	952	1706	5198	
890125	B	413	1	Barents Sea	L	11	924	932	1734	5194	
890127	B	422	2	Barents Sea	L	11	903	911	1762	5186	
890128	C	428	2	Barents Sea	L	11	1036	1043	1777	5100	
890129	C	433	3	Barents Sea	L	11	1015	1023	1805	5204	
890131	B	438	2	Barents Sea	L	11	1004	1012	1819	nr	
890201	A	441	2	Barents Sea	L	11	954	1002	1833	5206	
890202	B	447	1	Barents Sea	L	11	944	951	1847	5204	
890206	D	464	3	Barents Sea	L	11	903	911	1903	3614	
890208	C	471	2	Barents Sea	L	11	1025	1033	1932	5200	
890209	A	474	2	Barents Sea	L	11	1015	1022	1946	5204	
890211	A	484	1	Barents Sea	L	11	954	1002	1974	5206	
890212	A	489	1	Barents Sea	L	11	944	951	1987	5186	
890213	D	495	3	Barents Sea	L	11	934	941	2002	5216	
890215	A	500	2	Barents Sea	L	11	913	921	2030	5194	
890217	D	508	2	Barents Sea	L	11	1035	1042	2059	5186	
890220	A	518	1	Barents Sea	L	11	1004	1022	2101	5152	
890222	B	526	2	Barents Sea	L	11	944	951	2129	5124	
890224	B	533	3	Barents Sea	L	11	923	931	2157	5200	
890227	D	547	2	Barents Sea	L	11	1035	1042	2200	5174	
890301	B	555	2	Barents Sea	L	11	1014	1021	2224	5196	
890303	A	562	1	Barents Sea	L	11	953	1001	2256	5112	
890307	B	579	1	Barents Sea	L	11	912	920	2312	5196	
890308	B	584	1	Barents Sea	L	11	902	910	2326	5196	
890310	C	596	1	Barents Sea	L	11	1024	1031	2355	5204	
890313	B	607	2	Barents Sea	L	11	953	1000	2397	4134	
890318	D	630	1	Barents Sea	L	11	1033	1040	2482	5066	
890319	D	630	1	Barents Sea	L	11	1033	1040	2482	5066	
890323	B	652	1	Barents Sea	L	11	952	959	2537	5114	
890325	A	660	1	Barents Sea	L	11	931	939	2566	5106	
890327	C	669	3	Barents Sea	L	11	911	918	2594	5184	
890329	B	680	3	Barents Sea	L	11	1032	1040	2623	5204	
890404	B	693	2	Barents Sea	L	11	930	937	2707	5198	
890406	B	705	1	Barents Sea	L	11	909	917	2735	5204	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTE</u>
890408	C	719	1	Barents Sea	L	11	1030	1038	2764	5204	
890410	B	728	2	Barents Sea	L	11	1010	1017	2792	5094	
890412	B	737	2	Barents Sea	L	11	949	956	2820	5026	
890417	B	747	1	Barents Sea	L	11	1039	1046	2891	5198	
890420	A	762	1	Barents Sea	L	11	1008	1051	2933	5070	
890422	A	772	1	Barents Sea	L	11	947	955	2961	5168	
890424	A	782	2	Barents Sea	L	11	926	934	2989	5172	
890426	C	792	1	Barents Sea	L	11	906	913	3017	5176	
890428	B	804	3	Barents Sea	L	10	1027	1035	3046	5203	
890430	A	812	2	Barents Sea	L	11	1006	1014	3074	5200	
890502	B	822	1	Barents Sea	L	11	945	953	3102	5182	
890504	B	834	1	Barents Sea	L	11	924	932	3130	5116	
890506	B	846	1	Barents Sea	L	11	904	911	3158	2806	
890508	B	857	4	Barents Sea	L	11	1025	1032	3187	5120	
890512	A	875	1	Barents Sea	L	11	943	951	3243	5174	
890514	A	885	2	Barents Sea	L	11	922	930	3271	5198	
890518	A	906	2	Barents Sea	L	11	1023	1030	3328	5196	
890522	A	925	3	Barents Sea	L	11	941	948	3384	5164	
890526	B	946	3	Barents Sea	L	11	1041	1049	3441	5074	
890531	B	968	1	Barents Sea	L	11	949	957	3511	5158	
890602	A	976	2	Barents Sea	L	11	929	937	3539	5182	
890604	A	984	1	Barents Sea	L	11	908	916	3567	5176	
890606	A	995	2	Barents Sea	L	11	1029	1037	3596	5174	
890608	A	1004	1	Barents Sea	L	11	1008	1016	3624	5156	
890613	A	1029	1	Barents Sea	L	11	916	923	3694	5118	
890617	A	1053	1	Barents Sea	L	11	1014	1022	3751	5752	
890619	A	1063	1	Barents Sea	L	11	955	1003	3779	5200	
890621	A	1073	2	Barents Sea	L	11	935	942	3807	5200	
890623	A	1082	1	Barents Sea	L	11	914	921	3835	5800	
890625	B	1093	1	Barents Sea	L	11	1035	1043	3864	5186	
890627	A	1103	1	Barents Sea	L	11	1014	1021	3892	5098	
890629	A	1115	1	Barents Sea	L	11	953	1000	3920	5144	
890702	A	1128	2	Barents Sea	L	11	921	929	3962	5202	
890704	C	1138	3	Barents Sea	L	11	1035	1046	3991	4970	
890706	A	1145	2	Barents Sea	L	11	1021	1029	4019	5202	
890710	B	1166	2	Barents Sea	L	11	939	947	4075	5156	
890712	A	1175	1	Barents Sea	L	11	919	926	4103	5208	
890714	C	1188	3	Barents Sea	L	11	1040	1047	4132	2934	
890716	A	1198	1	Barents Sea	L	11	1019	1026	4160	5206	
890718	B	1207	2	Barents Sea	L	11	958	1005	4188	5186	
890720	B	1217	1	Barents Sea	L	11	936	944	4216	5184	
890721	F	1227	1	Barents Sea	L	11	915	923	4244	5202	
890724	B	1240	1	Barents Sea	L	11	1037	1044	4270	5200	
890727	B	1255	2	Barents Sea	L	11	1005	1013	4315	5212	
890729	A	1264	2	Barents Sea	L	11	944	952	4343	5186	
890731	B	1275	2	Barents Sea	L	11	923	931	4311	5198	
890803	C	1291	2	Barents Sea	L	11	1034	1042	4414	5192	
890805	A	1301	1	Barents Sea	L	11	1012	1020	4442	5204	
890807	B	1312	3	Barents Sea	L	11	951	959	4470	5192	
890810	A	1328	2	Barents Sea	L	11	920	928	4512	5230	
890812	C	1341	1	Barents Sea	L	11	1041	1048	4541	5190	
890814	B	1353	2	Barents Sea	L	11	1020	1027	4569	5186	
890816	B	1360	2	Barents Sea	L	11	959	1006	4597	5090	

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890820	B	1380	1	Barents Sea	L	11	916	925	4653	5192	
890822	C	1392	1	Barents Sea	L	11	1038	1045	4682	2912	
890824	A	1405	2	Barents Sea	L	11	1016	1024	4710	5204	
890826	A	1415	2	Barents Sea	L	11	955	1002	4738	5198	
890828	B	1426	2	Barents Sea	L	11	934	942	4766	5176	
890829	C	1433	1	Barents Sea	L	11	924	931	4780	5200	
890830	B	1438	1	Barents Sea	L	11	913	921	4794	5186	
890901	A	1447	3	Barents Sea	L	11	1034	1042	4823	5198	
890903	A	1455	2	Barents Sea	L	11	1013	1021	4851	5208	
890905	B	1463	2	Barents Sea	L	11	952	959	4879	5198	
890907	A	1473	1	Barents Sea	L	11	931	938	4907	5206	
890909	B	1483	1	Barents Sea	L	11	910	917	4935	4454	
890911	B	1495	2	Barents Sea	L	11	1030	1038	4964	5184	
890913	B	1506	2	Barents Sea	L	11	1009	1017	4992	5200	
890914	A	1510	3	Barents Sea	L	11	957	1003	5006	4664	
890915	B	1515	3	Barents Sea	L	11	948	956	5020	5202	
890918	B	1531	1	Barents Sea	L	11	917	925	5062	5112	
890921	B	1549	1	Barents Sea	L	11	1027	1035	5105	5206	
890923	B	1561	3	Barents Sea	L	11	1006	1013	5133	5196	
890925	B	1571	2	Barents Sea	L	11	945	953	5161	5200	
890927	A	1579	2	Barents Sea	L	11	923	931	5189	5186	
890929	B	1591	1	Barents Sea	L	11	1037	1048	5218	8034	
890106	A	335	1	Black Sea	L	11	1049	1055	1467	4124	
881028	B	95	2	Cent Atlant	L	9	1811	1817	19980	3248	
880715	A	9001	3	Cent Pacific	L	10	1949	1958	9471	6252	880714
880805	A	9002	3	Cent Pacific	L	10	2032	2040	9770	6080	
880918	A	9004	3	Cent Pacific	L	10	1908	1918	10409	6718	
881001	B	2	1	Cent Pacific	L	10	1926	1934	10594	5854	
881001	C	3	2	Cent Pacific	L	10	2107	2116	10595	6334	
881002	C	6	2	Cent Pacific	L	10	1904	1912	19613	5928	
881005	C	16	1	Cent Pacific	L	10	1938	1947	10651	6144	
881006	B	18	2	Cent Pacific	L	10	2119	2128	10652	6618	
881007	A	19	2	Cent Pacific	L	10	1916	1923	10665	6114	
881007	C	21	1	Cent Pacific	L	10	1853	1903	10679	6788	
881007	C	21	2	Cent Pacific	L	10	2037	2044	10680	5188	
881008	D	25	1	Cent Pacific	L	10	2013	2022	10694	6450	
881008	D	25	2	Cent Pacific	L	10	2154	2203	10695	6354	
881009	D	29	2	Cent Pacific	L	10	2134	2141	10709	5220	
881012	C	39	2	Cent Pacific	L	10	1847	1856	10750	6142	
881013	A	40	2	Cent Pacific	L	10	2026	2035	10751	6390	
881013	C	45	1	Cent Pacific	L	10	2003	2013	10765	6788	
881015	A	48	2	Cent Pacific	L	10	1943	1951	10779	5314	
881016	A	52	2	Cent Pacific	L	10	1921	1928	10793	5034	
881016	C	53	3	Cent Pacific	L	10	2101	2110	10794	5980	
881019	A	58	3	Cent Pacific	L	10	1815	1824	10835	4796	
881020	D	64	1	Cent Pacific	L	10	1912	1919	10864	4486	msg scans
881021	A	65	2	Cent Pacific	L	10	2051	2100	10865	6788	
881022	A	72	2	Cent Pacific	L	10	2009	2015	10893	5154	
881026	E	86	1	Cent Pacific	L	10	2110	2029	10951	6754	
881027	D	92	1	Cent Pacific	L	10	2140	2148	10965	5752	
881027	D	92	2	Cent Pacific	L	10	1959	2007	10964	5588	
881029	A	96	2	Cent Pacific	L	10	1938	1945	10978	4748	
881030	C	102	1	Cent Pacific	L	10	1853	1900	11006	5298	

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881102	E	117	1	Cent Pacific	L	10	2107	2116	11050	6722	
881102	E	117	2	Cent Pacific	L	10	1926	1935	11049	6108	bad file
881105	B	124	2	Cent Pacific	L	10	2001	2010	11092	6374	
881106	C	128	1	Cent Pacific	L	10	1939	1948	11106	6178	
881106	D	130	1	Cent Pacific	L	10	2121	2129	11101	5884	
881109	C	140	1	Cent Pacific	L	10	1834	1843	11148	6214	
881110	B	146	2	Cent Pacific	L	10	1951	2000	11163	6764	
881112	B	153	1	Cent Pacific	L	10	1908	1916	11191	5774	
881112	B	153	3	Cent Pacific	L	10	2049	2057	11192	5752	
881113	A	157	2	Cent Pacific	L	10	2025	2035	11206	6756	
881117	B	167	2	Cent Pacific	L	10	2040	2048	11263	5822	
881123	D	186	1	Cent Pacific	L	10	1828	1837	11347	6288	
881123	C	187	1	Cent Pacific	L	10	2007	2016	11348	6750	
881123	C	187	2	Cent Pacific	L	10	2148	2157	11349	6796	
881125	A	188	2	Cent Pacific	L	10	2126	2135	11363	6806	
881126	B	194	2	Cent Pacific	L	10	1901	1909	11390	6000	
881130	C	211	3	Cent Pacific	L	10	2056	2104	11448	5626	
881130	C	211	2	Cent Pacific	L	10	1915	1923	11447	5410	
881202	B	216	2	Cent Pacific	L	10	2034	2042	11462	5508	
881202	E	219	3	Cent Pacific	L	10	1831	1840	11475	6276	
881202	E	219	1	Cent Pacific	L	10	2012	2020	11476	5170	
881203	D	224	2	Cent Pacific	L	10	2129	2138	11491	6794	
881204	A	225	2	Cent Pacific	L	10	1948	1957	11490	6772	
881204	D	228	2	Cent Pacific	L	10	1928	1935	11504	5134	
881207	B	235	3	Cent Pacific	L	11	1844	1853	11532	5806	
881207	E	238	2	Cent Pacific	L	10	2002	2010	11547	5234	
881207	E	238	3	Cent Pacific	L	10	1821	1831	11546	6284	
881208	D	242	1	Cent Pacific	L	10	2119	2129	11562	6584	
881209	A	243	3	Cent Pacific	L	10	1941	1948	11561	4798	
881209	D	246	1	Cent Pacific	L	10	1917	1925	11575	6074	
881210	C	249	1	Cent Pacific	L	10	1856	1903	11589	5280	
881210	D	250	1	Cent Pacific	L	10	1856	1903	11589	5280	
881211	A	251	3	Cent Pacific	L	10	2037	2045	11590	5320	
881214	E	264	2	Cent Pacific	L	10	1908	1916	11646	5662	
881215	A	265	2	Cent Pacific	L	10	2050	2058	11647	5166	
881216	B	270	3	Cent Pacific	L	10	2025	2035	11611	6788	
881217	A	272	3	Cent Pacific	L	10	2003	2012	11675	6780	
881218	A	276	2	Cent Pacific	L	10	1943	1951	11689	5494	
881218	A	276	1	Cent Pacific	L	10	2122	2131	11690	6772	
881219	B	282	2	Cent Pacific	L	10	1919	1928	11703	4988	
881219	C	283	3	Cent Pacific	L	10	2100	2109	11704	7002	
881222	D	294	2	Cent Pacific	L	10	1954	2003	11746	nr	
881222	E	297	2	Cent Pacific	L	10	1936	1944	11760	5222	
881222	E	297	1	Cent Pacific	L	10	2115	2122	11761	5194	
881224	A	302	2	Cent Pacific	L	10	1912	1919	11774	4864	
881224	C	304	2	Cent Pacific	L	10	2028	2038	11789	6646	
881225	A	305	2	Cent Pacific	L	10	1848	1856	11788	6032	
881225	B	306	1	Cent Pacific	L	10	1827	1836	11802	6250	
881230	A	320	2	Cent Pacific	L	10	2019	2028	11860	6692	
881230	E	324	2	Cent Pacific	L	10	2140	2148	11875	5174	
890101	A	326	2	Cent Pacific	L	10	2117	2126	11889	5750	
890106	C	337	1	Cent Pacific	L	10	2045	2053	11974	5422	
890106	C	337	2	Cent Pacific	L	10	1903	1911	11973	6032	

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890107	E	342	1	Cent Pacific	L	10	2021	2030	11988	6594	
890108	B	344	3	Cent Pacific	L	10	1959	2008	12002	6628	
890108	C	345	1	Cent Pacific	L	10	2140	2149	12003	6816	
890111	F	357	1	Cent Pacific	L	10	1854	1903	12044	6432	
890111	F	357	2	Cent Pacific	L	10	2036	2045	12045	6274	
890113	A	361	2	Cent Pacific	L	10	2013	2022	12059	6788	
890114	D	369	1	Cent Pacific	L	10	2110	2120	12088	nr	
890114	D	369	2	Cent Pacific	L	10	1929	1938	12087	6726	
890115	D	373	1	Cent Pacific	L	10	2047	2057	12102	7134	
890115	D	373	2	Cent Pacific	L	10	1906	1916	12101	6758	
890118	C	385	2	Cent Pacific	L	10	1941	1950	12144	5878	
890118	C	385	1	Cent Pacific	L	10	2122	2132	12145	6604	
890120	B	392	3	Cent Pacific	L	10	2100	2109	12159	6762	890119
890120	B	392	2	Cent Pacific	L	10	1919	1928	12158	6610	890119
890121	A	395	2	Cent Pacific	L	10	1857	1906	12172	5372	
890121	D	398	2	Cent Pacific	L	10	2016	2025	12187	6232	
890122	D	402	2	Cent Pacific	L	10	2134	2144	12202	5626	
890122	E	403	1	Cent Pacific	L	10	1953	2002	12201	6354	
890126	A	416	3	Cent Pacific	L	10	2027	2037	12244	6622	
890126	D	419	1	Cent Pacific	L	10	1825	1834	12257	6276	
890126	E	420	2	Cent Pacific	L	10	2006	2015	12258	6298	
890127	E	425	1	Cent Pacific	L	10	2124	2134	12273	6588	
890128	A	426	2	Cent Pacific	L	10	1943	1953	12272	6866	
890128	E	430	1	Cent Pacific	L	10	1921	1930	12286	6438	
890128	E	430	2	Cent Pacific	L	10	2103	2112	12287	6240	
890129	C	433	2	Cent Pacific	L	10	2222	2231	12302	6286	
890129	C	433	1	Cent Pacific	L	10	2040	2049	12301	6422	
890130	B	435	2	Cent Pacific	L	10	1859	1903	12300	6608	
890202	D	449	2	Cent Pacific	L	10	2052	2102	12358	6788	
890204	A	452	1	Cent Pacific	L	10	1848	1858	12371	5244	
890204	E	456	2	Cent Pacific	L	10	2007	2017	12386	6804	
890208	D	472	1	Cent Pacific	L	10	1839	1848	12442	6226	
890208	E	473	2	Cent Pacific	L	10	2020	2029	12443	6190	
890209	D	478	2	Cent Pacific	L	10	1957	2007	12457	6648	
890209	D	478	1	Cent Pacific	L	10	2139	2148	12458	6782	
890210	D	483	1	Cent Pacific	L	10	1936	1945	12471	6174	
890211	D	487	1	Cent Pacific	L	10	1913	1922	12485	6372	
890211	E	488	2	Cent Pacific	L	10	2054	2103	12486	6474	
890213	B	493	3	Cent Pacific	L	10	1851	1900	12499	6638	
890217	B	506	2	Cent Pacific	L	10	2044	2053	12557	6788	
890218	A	510	2	Cent Pacific	L	10	2021	2031	12571	6590	
890218	B	511	3	Cent Pacific	L	10	2202	2212	12572	6912	
890219	A	513	2	Cent Pacific	L	10	2140	2150	12586	7194	
890219	E	517	1	Cent Pacific	L	10	1937	1946	12599	6652	
890220	A	518	3	Cent Pacific	L	10	2118	2127	12600	6788	
890223	A	529	2	Cent Pacific	L	10	2011	2021	12642	6722	
890223	C	531	2	Cent Pacific	L	10	1950	1959	12656	6312	
890223	C	531	3	Cent Pacific	L	10	2131	2140	12657	6474	
890224	D	535	2	Cent Pacific	L	10	2108	2118	12671	6800	
890224	D	535	1	Cent Pacific	L	10	1927	1936	12670	6422	
890225	C	539	2	Cent Pacific	L	10	1905	1914	12684	6724	
890225	D	540	2	Cent Pacific	L	10	2046	2055	12685	6288	
890227	A	544	3	Cent Pacific	L	10	1843	1852	12698	6196	

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890227	A	544	2	Cent Pacific	L	10	2024	2033	12699	6474	
890301	E	558	1	Cent Pacific	L	10	2058	2107	12742	6794	
890301	E	558	2	Cent Pacific	L	10	1917	1926	12741	3580	
890303	A	562	2	Cent Pacific	L	10	1855	1904	12753	6166	
890303	A	562	3	Cent Pacific	L	10	2036	2045	12756	6354	
890303	E	566	1	Cent Pacific	L	10	2155	2204	12771	6330	
890306	A	574	4	Cent Pacific	L	10	1929	1938	12798	2116	
890309	F	593	1	Cent Pacific	L	10	2121	2130	12857	6834	
890309	F	593	2	Cent Pacific	L	10	1940	1950	12855	7194	
890311	A	599	1	Cent Pacific	L	10	2100	2109	12872	6428	
890311	A	599	2	Cent Pacific	L	10	1918	1927	12869	4400	
890315	B	614	2	Cent Pacific	L	10	1908	1917	12940	6606	
890315	C	615	2	Cent Pacific	L	10	2049	2058	12941	6780	
890317	B	621	3	Cent Pacific	L	10	2027	2036	12955	6666	
890317	F	625	1	Cent Pacific	L	10	2145	2155	12970	6794	
890317	F	625	2	Cent Pacific	L	10	2004	2013	12969	6500	
890318	C	629	3	Cent Pacific	L	10	2124	2133	12984	6372	
890318	C	629	2	Cent Pacific	L	10	1942	1951	2988	6458	
890320	A	634	3	Cent Pacific	L	10	2101	2110	12998	6426	
890322	E	649	2	Cent Pacific	L	10	2136	2145	13041	6252	
890322	E	649	1	Cent Pacific	L	10	1954	2003	13040	6412	
890323	E	655	2	Cent Pacific	L	10	1932	1941	13054	6474	
890323	E	655	1	Cent Pacific	L	10	2113	2122	13055	5022	
890324	D	659	1	Cent Pacific	L	10	2051	2100	13069	6438	
890324	D	659	2	Cent Pacific	L	10	1910	1919	13068	6282	
890326	A	663	1	Cent Pacific	L	10	2028	2038	13083	6788	
890326	D	666	2	Cent Pacific	L	10	1825	1834	13096	6238	
890329	A	1720	1	Cent Pacific	L	10	2040	2049	13140	6256	
890401	B	684	1	Cent Pacific	L	10	2115	2123	13183	6222	
890402	B	686	2	Cent Pacific	L	10	1911	1920	13196	6280	
890404	F	697	1	Cent Pacific	L	10	1827	1835	13224	5874	
890405	E	702	1	Cent Pacific	L	10	2126	2135	13240	6408	
890405	F	703	2	Cent Pacific	L	10	1944	1953	13239	nr	
890406	D	708	1	Cent Pacific	L	10	1921	1931	13253	6780	
890406	G	710	1	Cent Pacific	L	10	2103	2112	13254	6720	
890407	F	716	3	Cent Pacific	L	10	2041	2050	13268	6378	
890407	F	716	1	Cent Pacific	L	10	1859	1909	13267	5960	
890408	E	721	2	Cent Pacific	L	10	1838	1847	13281	5932	
890409	C	725	1	Cent Pacific	L	10	2137	2146	13297	6680	
890413	A	738	1	Cent Pacific	L	10	2007	2016	13353	6702	
890415	B	741	1	Cent Pacific	L	10	1923	1932	13381	6474	
890415	C	742	1	Cent Pacific	L	10	2104	2113	13382	6320	
890419	C	760	1	Cent Pacific	L	10	1934	1943	13438	6672	
890419	C	760	2	Cent Pacific	L	10	2116	2125	13439	6270	
890420	D	765	2	Cent Pacific	L	10	1912	1921	13452	6460	
890420	E	766	1	Cent Pacific	L	10	2053	2102	13453	6398	
890421	E	771	2	Cent Pacific	L	10	2031	2040	13467	6462	
890421	E	771	1	Cent Pacific	L	10	1850	1859	13466	6268	
890422	E	776	2	Cent Pacific	L	10	2008	2017	13481	6718	
890423	D	780	1	Cent Pacific	L	10	1946	1955	13495	6474	
890426	G	796	1	Cent Pacific	L	10	2020	2029	13538	6556	
890427	F	801	2	Cent Pacific	L	10	1958	2007	13552	6232	
890427	F	801	1	Cent Pacific	L	10	1817	1826	13551	5796	

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890427	D	802	1	Cent Pacific	L	10	2138	2148	13553	6790	
890428	E	807	1	Cent Pacific	L	10	1935	1944	13566	6282	
890428	F	808	1	Cent Pacific	L	10	2116	2125	13568	6440	
890429	C	811	1	Cent Pacific	L	10	2054	2103	13581	2538	
890430	D	815	3	Cent Pacific	L	10	1850	1859	13594	6342	
890430	D	815	1	Cent Pacific	L	10	2032	3040	13595	6114	
890501	E	820	1	Cent Pacific	L	10	2009	2018	13737	6378	
890503	D	831	3	Cent Pacific	L	10	1925	1933	13637	5524	
890503	E	832	1	Cent Pacific	L	10	2106	2114	13638	6020	
890506	D	848	1	Cent Pacific	L	10	1958	2007	13680	6452	
890507	D	853	1	Cent Pacific	L	10	1935	1944	13694	6474	
890507	E	854	2	Cent Pacific	L	10	2117	2126	13695	6334	
890511	C	873	1	Cent Pacific	L	10	1947	1956	2158	6580	
890511	D	874	2	Cent Pacific	L	10	2128	2137	13752	6706	
890512	E	879	1	Cent Pacific	L	10	2105	2115	13766	6796	
890514	D	889	1	Cent Pacific	L	10	2020	2030	13794	6788	
890518	C	910	1	Cent Pacific	L	10	2031	2041	13851	6798	
890519	B	913	1	Cent Pacific	L	10	2152	2200	13866	5918	
890519	B	913	2	Cent Pacific	L	10	2010	2019	13855	6258	
890520	B	917	1	Cent Pacific	L	10	1947	1956	13879	6462	
890520	C	918	2	Cent Pacific	L	10	2129	2138	13880	6274	
890521	B	922	1	Cent Pacific	L	10	1924	1934	13893	6610	
890521	C	923	2	Cent Pacific	L	10	2105	2115	13892	6768	
890523	B	932	2	Cent Pacific	L	10	1841	1850	13921	6242	
890524	B	937	1	Cent Pacific	L	10	1959	2008	13936	6393	
890524	C	938	1	Cent Pacific	L	10	2140	2149	13937	6474	
890525	B	944	1	Cent Pacific	L	10	2117	2126	13951	6474	
890525	B	944	3	Cent Pacific	L	10	1936	1945	13950	6474	
890526	C	949	1	Cent Pacific	L	10	1913	1923	13964	6676	
890527	A	953	2	Cent Pacific	L	10	2033	2042	13979	6272	
890528	A	957	1	Cent Pacific	L	10	2009	2019	13993	6680	
890528	B	958	1	Cent Pacific	L	10	2151	2200	13994	6820	
890531	A	966	1	Cent Pacific	L	11	110	120	3506	7194	
890601	A	972	3	Cent Pacific	L	11	2316	2325	3519	6598	
890604	A	984	3	Cent Pacific	L	11	27	36	3562	6432	
890607	C	1001	1	Cent Pacific	L	10	1947	1956	14135	6474	
890607	D	1002	2	Cent Pacific	L	10	2127	2136	14136	6474	
890609	A	1013	1	Cent Pacific	L	10	1902	1911	14163	6474	
890610	B	1019	1	Cent Pacific	L	10	2020	2030	14178	5334	
890611	B	1023	1	Cent Pacific	L	10	1959	2008	14192	6320	
890611	B	1023	2	Cent Pacific	L	10	2141	2150	14193	5828	
890614	B	1039	1	Cent Pacific	L	10	1851	1900	14234	2280	
890615	D	1045	1	Cent Pacific	L	10	2009	2019	14249	6776	
890616	E	1051	1	Cent Pacific	L	10	1947	1956	14263	6908	
890616	F	1052	1	Cent Pacific	L	10	2128	2138	14264	6742	
890617	C	1056	1	Cent Pacific	L	10	2106	2115	14278	6474	
890617	C	1056	2	Cent Pacific	L	10	1925	1934	14277	6474	
890618	C	1061	1	Cent Pacific	L	10	1902	1911	14291	6586	
890618	D	1062	2	Cent Pacific	L	10	2043	2053	14292	6722	
890621	D	1076	1	Cent Pacific	L	10	1936	1945	14334	6442	
890621	E	1077	2	Cent Pacific	L	10	2118	2127	14335	6260	
890622	D	1081	1	Cent Pacific	L	10	1913	1923	14348	6564	
890623	D	1085	2	Cent Pacific	L	10	1851	1900	14362	6440	

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890624	B	1087	2	Cent Pacific	L	10	2032	2041	14363	6800	
890624	E	1090	1	Cent Pacific	L	10	1829	1838	14376	6272	
890624	F	1091	2	Cent Pacific	L	10	2010	2019	14377	6228	
890628	D	1113	1	Cent Pacific	L	10	2021	2030	14434	6114	
890628	D	1113	3	Cent Pacific	L	10	1840	1849	14433	6192	
890629	C	1118	3	Cent Pacific	L	10	1959	2007	14448	6102	
890629	C	1118	2	Cent Pacific	L	10	2140	2149	14449	5838	
890630	C	1122	1	Cent Pacific	L	10	1936	1945	14462	6072	
890630	D	1123	1	Cent Pacific	L	10	2117	2126	14463	6430	
890701	B	1126	1	Cent Pacific	L	10	2054	2103	14477	6796	
890701	B	1126	3	Cent Pacific	L	10	1913	1922	14476	6122	
890702	C	1130	2	Cent Pacific	L	10	1851	1900	14490	6370	
890702	D	1131	2	Cent Pacific	L	10	2032	2041	14491	6458	
890705	D	1144	2	Cent Pacific	L	10	1925	1933	14533	6114	
890705	D	1144	3	Cent Pacific	L	10	2106	2115	14534	5962	
890708	C	1158	1	Cent Pacific	L	10	2139	2148	14577	6192	
890708	C	1158	2	Cent Pacific	L	10	1958	2007	14576	6072	
890709	C	1163	2	Cent Pacific	L	10	1935	1944	14590	6438	
890709	C	1163	1	Cent Pacific	L	10	2118	2126	14591	5636	
890712	D	1178	1	Cent Pacific	L	10	1828	1837	14632	6206	
890712	E	1179	2	Cent Pacific	L	10	2009	2018	14633	6428	
890713	B	1181	1	Cent Pacific	L	10	1946	1955	14647	6498	
890713	F	1185	2	Cent Pacific	L	10	2128	2137	14648	6053	
890714	F	1191	2	Cent Pacific	L	10	2105	2114	14662	6400	
890714	F	1191	1	Cent Pacific	L	10	1924	1933	14661	6396	
890715	D	1196	1	Cent Pacific	L	10	2042	2051	14676	6430	
890715	E	1197	1	Cent Pacific	L	10	1901	1910	14675	6474	
890716	E	1202	2	Cent Pacific	L	10	2019	2029	14690	6790	
890719	D	1215	2	Cent Pacific	L	10	2054	2103	14733	6342	
890720	E	1220	3	Cent Pacific	L	10	1849	1859	14746	6702	
890720	E	1220	1	Cent Pacific	L	10	2030	2040	14747	6558	
890721	D	1225	2	Cent Pacific	L	10	1828	1837	6278	6278	
890721	E	1226	2	Cent Pacific	L	10	2008	2017	14761	6430	
890721	E	1226	1	Cent Pacific	L	10	2150	2159	14762	6428	
890722	C	1230	2	Cent Pacific	L	10	1805	1814	14774	6074	
890722	D	1231	2	Cent Pacific	L	10	1946	1955	14775	6422	
890723	F	1237	1	Cent Pacific	L	10	1923	1932	14789	6628	
890723	F	1237	2	Cent Pacific	L	10	2104	2113	14790	6790	
890727	E	1258	1	Cent Pacific	L	10	1934	1943	14846	6440	
890728	D	1263	2	Cent Pacific	L	10	1912	1921	14860	6426	
890728	D	1263	1	Cent Pacific	L	10	2052	2102	14861	6800	
890729	D	1267	1	Cent Pacific	L	10	2030	2039	14875	6794	
890729	D	1267	2	Cent Pacific	L	10	1849	1858	14874	6550	
890730	D	1272	2	Cent Pacific	L	10	1827	1836	14888	6236	
890730	E	1273	1	Cent Pacific	L	10	2008	2017	14889	6378	
890802	E	1287	1	Cent Pacific	L	10	1900	1907	14931	6336	
890802	F	1288	2	Cent Pacific	L	10	2041	2050	14932	6700	
890803	F	1294	2	Cent Pacific	L	10	2019	2028	14946	5844	
890804	F	1300	1	Cent Pacific	L	10	1956	2005	14960	6390	
890805	C	1304	2	Cent Pacific	L	10	1933	1942	14974	6056	
890805	D	1305	2	Cent Pacific	L	10	2114	2124	14975	6794	
890806	C	1309	1	Cent Pacific	L	10	1911	1920	14988	6474	
890806	D	1310	2	Cent Pacific	L	10	2052	2101	14989	6474	

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890809	F	1326	1	Cent Pacific	L	10	1944	1953	15031	6418	
890809	G	1327	2	Cent Pacific	L	10	2125	2134	15032	6474	
890810	E	1332	1	Cent Pacific	L	10	1921	1930	15045	6744	
890810	F	1333	1	Cent Pacific	L	10	2103	2112	15046	6682	
890811	E	1338	1	Cent Pacific	L	10	1859	1908	15059	6644	
890812	F	1344	2	Cent Pacific	L	10	1837	1846	15073	6144	
890812	G	1345	2	Cent Pacific	L	10	2018	2027	15074	6430	
890813	E	1351	2	Cent Pacific	L	10	1955	2004	15088	6470	
890813	E	1351	1	Cent Pacific	L	10	2136	2145	15089	6632	
890816	D	1362	1	Cent Pacific	L	10	2029	2038	15131	6072	
890817	D	1366	1	Cent Pacific	L	10	2006	2015	15145	6430	
890817	D	1366	2	Cent Pacific	L	10	1825	1835	nr	6984	
890818	E	1372	1	Cent Pacific	L	10	2125	2134	15160	6474	
890819	D	1377	1	Cent Pacific	L	10	1921	1930	15173	6390	
890819	E	1378	2	Cent Pacific	L	10	2102	2111	15174	6790	
890820	D	1382	2	Cent Pacific	L	10	1858	1907	15187	6700	
890820	E	1383	2	Cent Pacific	L	10	2040	2049	15188	6490	
890823	F	1403	2	Cent Pacific	L	10	1931	1941	15230	6702	
890823	F	1403	1	Cent Pacific	L	10	2111	2122	15231	7506	
890824	D	1409	1	Cent Pacific	L	10	1908	1917	15244	6256	
890824	D	1409	2	Cent Pacific	L	10	2049	2058	15245	6638	
890825	D	1414	1	Cent Pacific	L	10	1846	1855	15258	6530	
890825	D	1414	2	Cent Pacific	L	10	2027	2037	15259	6806	
890826	D	1418	2	Cent Pacific	L	10	2005	2014	15273	6806	
890827	E	1423	2	Cent Pacific	L	10	1942	1951	15287	6420	
890827	E	1423	1	Cent Pacific	L	10	2125	2133	15288	5880	
890830	E	1441	2	Cent Pacific	L	10	2015	2025	15330	6790	
890831	E	1446	2	Cent Pacific	L	10	1813	1822	15343	6790	
890901	A	1447	1	Cent Pacific	L	10	2134	2143	15345	6382	
890901	F	1452	1	Cent Pacific	L	10	2112	2121	15359	6372	
890906	E	1471	2	Cent Pacific	L	10	1919	1928	15429	6426	
890906	F	1472	2	Cent Pacific	L	10	2100	2109	15430	6440	
890907	D	1476	2	Cent Pacific	L	10	1856	1905	12143	6342	
890907	E	1477	1	Cent Pacific	L	10	2037	2046	15444	6430	
890908	D	1481	3	Cent Pacific	L	10	1835	1844	15457	6422	
890908	D	1481	1	Cent Pacific	L	10	2015	2024	15458	6428	
890909	E	1487	2	Cent Pacific	L	10	2133	2142	15473	6434	
890910	C	1492	1	Cent Pacific	L	10	2110	2120	15487	6790	
890910	D	1493	1	Cent Pacific	L	10	1929	1938	15486	6422	
890913	E	1509	1	Cent Pacific	L	10	1823	1832	15528	6432	
890914	D	1513	2	Cent Pacific	L	10	1940	1949	15543	6554	
890915	D	1517	1	Cent Pacific	L	10	1918	1927	15557	6500	
890915	E	1518	1	Cent Pacific	L	10	2058	2108	15558	6788	
890916	D	1522	2	Cent Pacific	L	10	1855	1904	15571	6424	
890916	E	1523	1	Cent Pacific	L	10	2036	2045	15572	6440	
890917	D	1527	1	Cent Pacific	L	10	2013	2023	15586	6800	
890920	F	1546	1	Cent Pacific	L	10	1906	1915	15628	6072	
890920	G	1547	1	Cent Pacific	L	10	2047	2052	15629	6020	
890921	G	1554	2	Cent Pacific	L	10	1844	1853	15642	6386	
890921	G	1554	1	Cent Pacific	L	10	2024	2033	15643	6468	
890922	D	1558	1	Cent Pacific	L	10	2001	2010	15657	6630	
890922	E	1559	1	Cent Pacific	L	10	2142	2152	15658	6920	
890923	C	1563	1	Cent Pacific	L	10	1939	1948	15671	6428	

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890923	D	1564	2	Cent Pacific	L	10	2120	2129	15672	6432	
890924	D	1568	1	Cent Pacific	L	10	1917	1925	15685	5712	
890924	E	1569	2	Cent Pacific	L	10	2057	2106	15686	6430	
890927	D	1582	2	Cent Pacific	L	10	1810	1819	15727	6426	
890927	E	1583	1	Cent Pacific	L	10	2130	2140	15729	6806	
890928	E	1588	1	Cent Pacific	L	10	1927	1936	15742	6392	
890928	F	1589	1	Cent Pacific	L	10	2108	2117	15743	6440	
890929	F	1595	1	Cent Pacific	L	10	2045	2054	15757	4924	
890929	F	1595	2	Cent Pacific	L	10	1904	1913	15756	6432	
890930	E	1600	2	Cent Pacific	L	10	2022	2032	15771	6758	
890119	A	386	2	China Sea	L	11	506	514	1647	5100	
890124	E	411	2	China Sea	L	11	547	554	1732	5204	
890126	A	416	1	China Sea	L	11	537	544	1746	5008	
890204	B	453	2	China Sea	L	11	547	554	1873	5202	
890204	D	455	2	China Sea	L	11	536	544	1887	5176	
890208	A	469	1	China Sea	L	11	506	513	1929	5134	
890209	A	474	3	China Sea	L	11	456	503	1943	5202	
890214	A	496	2	China Sea	L	11	547	554	2014	5020	
890217	C	507	3	China Sea	L	11	516	523	2056	5202	
890223	A	529	1	China Sea	L	11	557	604	2141	nr	
890224	A	532	2	China Sea	L	11	546	554	2155	5064	
890225	A	536	1	China Sea	L	11	536	544	2169	5188	
890228	A	549	2	China Sea	L	11	505	512	2211	5182	
890301	A	554	1	China Sea	L	11	455	502	2225	5208	
890307	B	579	3	China Sea	L	11	535	543	2310	5136	
890308	A	582	1	China Sea	L	11	525	532	2324	3026	
890309	A	588	1	China Sea	L	11	515	523	2338	5174	
890317	B	621	2	China Sea	L	11	535	542	2451	5200	
890318	A	627	2	China Sea	L	11	524	532	2465	nr	
890318	D	630	2	China Sea	L	11	514	521	2479	5150	
890319	D	630	3	China Sea	L	11	514	521	2479	5150	
890320	B	636	1	China Sea	L	11	503	511	2493	5176	
890327	A	667	3	China Sea	L	11	534	541	2592	5178	
890328	A	673	2	China Sea	L	11	523	530	2005	5124	
890403	A	687	3	China Sea	L	11	502	510	2634	5148	
890406	B	705	2	China Sea	L	11	532	539	2733	5104	
890407	B	712	2	China Sea	L	11	522	529	2747	5198	
890408	A	717	1	China Sea	L	11	511	519	2761	5202	
890409	A	722	1	China Sea	H	11	501	508	2775	5202	
890416	A	743	2	China Sea	L	11	531	538	2874	4918	
890418	B	752	2	China Sea	L	11	510	518	2902	5204	
890418	D	754	4	China Sea	L	11	510	518	2902	5204	
890426	A	790	1	China Sea	L	11	529	536	3015	5120	
890427	A	797	2	China Sea	L	11	518	526	3029	5114	
890428	A	803	1	China Sea	L	11	508	516	3043	5200	
890429	A	809	1	China Sea	L	11	458	505	3057	5142	
890505	A	838	1	China Sea	L	11	537	544	3142	5196	
890506	A	845	1	China Sea	L	11	527	534	3156	5166	
890507	B	851	2	China Sea	L	11	516	524	3170	5032	
890508	A	855	1	China Sea	L	11	506	513	3184	5132	
890516	A	897	3	China Sea	L	11	525	532	3297	5202	
890518	A	906	3	China Sea	L	11	504	511	3325	5192	
890607	A	998	1	China Sea	L	11	459	507	3607	5176	

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890613	A	1029	2	China Sea	L	11	539	546	3692	5224	
890615	A	1041	1	China Sea	L	11	518	525	3720	5204	
890616	B	1048	2	China Sea	L	11	507	515	3734	5136	
890623	A	1082	3	China Sea	L	11	536	544	3833	5202	
890624	A	1086	2	China Sea	L	11	526	533	3847	5180	
890625	A	1092	2	China Sea	L	11	516	523	3861	5060	
890626	B	1098	2	China Sea	L	11	505	512	3875	5142	
890627	A	1103	2	China Sea	L	11	454	501	3889	5208	
890703	A	1132	3	China Sea	L	11	533	541	3974	5164	
890704	A	1136	2	China Sea	L	11	523	530	3988	5200	
890705	A	1140	2	China Sea	L	11	512	520	4002	5166	
890706	B	1146	1	China Sea	L	11	502	509	4016	5112	
890713	A	1180	1	China Sea	L	11	530	538	4115	5184	
890714	A	1186	1	China Sea	L	11	520	527	4129	5170	
890715	A	1193	2	China Sea	L	11	509	517	4143	5206	
890716	A	1198	2	China Sea	L	11	459	506	4157	5198	
890721	F	1227	2	China Sea	L	11	538	545	4242	5198	
890723	A	1232	2	China Sea	L	11	527	535	4256	5158	
890724	B	1240	3	China Sea	L	11	517	524	4270	5204	
890726	A	1251	1	China Sea	L	11	456	503	4298	5178	
890801	B	1280	1	China Sea	L	11	535	542	4383	5206	
890802	A	1283	2	China Sea	L	11	524	532	4397	5166	
890803	B	1290	1	China Sea	L	11	514	522	4411	5194	
890804	B	1296	1	China Sea	L	11	503	511	4425	5196	
890811	A	1334	2	China Sea	L	11	532	539	4524	5122	
890812	A	1339	1	China Sea	L	11	521	529	4538	5196	
890813	B	1348	3	China Sea	L	11	511	518	4552	4046	
890820	A	1379	2	China Sea	L	11	540	548	4651	5086	
890821	A	1384	2	China Sea	L	11	528	537	4665	5186	
890822	B	1391	2	China Sea	L	11	518	525	4679	5198	
890823	B	1398	1	China Sea	L	11	507	515	4693	5116	
890824	A	1405	3	China Sea	L	11	456	505	4707	5204	
890831	B	1443	3	China Sea	L	11	525	532	4806	5070	
890908	A	1478	2	China Sea	L	11	542	550	4919	5116	
890909	A	1482	1	China Sea	L	11	532	539	4933	5228	
890910	A	1488	2	China Sea	L	11	521	529	4947	5138	
890912	B	1501	2	China Sea	L	11	500	508	4975	5204	
890918	A	1529	2	China Sea	L	11	540	548	5060	5000	
890919	A	1535	2	China Sea	L	11	528	536	5074	5158	
890920	B	1542	1	China Sea	L	11	518	525	5088	5172	
890921	B	1549	2	China Sea	L	11	508	516	5102	5076	
890922	A	1555	1	China Sea	L	11	457	504	5116	5176	
890928	A	1584	2	China Sea	L	11	535	542	5201	5208	
890929	B	1591	3	China Sea	L	11	524	532	5215	5196	
890930	B	1597	2	China Sea	L	11	512	520	5229	5710	
890203	A	450	2	E China Sea	L	11	557	604	1859	5198	
881002	A	4	1	E Coast	H	9	950	1000	19608	7665	
881010	A	30	1	E Coast	H	9	1003	1013	19721	7114	
881021	B	66	1	E Coast	H	9	942	953	19876	7870	
881029	B	97	1	E Coast	H	9	955	1004	19989	6466	
881030	A	100	1	E Coast	H	9	946	955	20003	6474	
890108	A	343	2	E Coast	H	11	730	743	1493	9458	
880805	A	1702	2	E Med Sea	L	10	503	509	9775	4280	

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880907	A	1703	3	E Med Sea	L	10	624	631	10245	4990	
880918	A	1704	2	E Med Sea	L	10	521	528	10415	4974	
880921	B	1711	1	E Med Sea	L	10	619	625	10444	4456	
880925	A	1715	2	E Med Sea	L	10	631	638	10501	4986	
880928	A	1716	2	E Med Sea	L	10	525	532	10543	1618	
881004	A	11	1	E Med Sea	L	10	634	641	10629	4988	
881005	A	14	1	E Med Sea	L	10	612	619	10643	4998	
881006	A	17	1	E Med Sea	L	10	550	557	10657	4972	
881008	B	23	1	E Med Sea	L	10	647	654	10686	4992	
881009	B	27	1	E Med Sea	L	10	625	632	10700	4934	
881010	B	31	1	E Med Sea	L	10	603	610	10714	4838	
881011	A	34	2	E Med Sea	L	10	541	548	10728	4748	
881011	C	36	2	E Med Sea	L	10	519	526	10742	1542	
881014	B	47	3	E Med Sea	L	10	616	623	10771	5034	
881016	C	53	1	E Med Sea	L	10	531	538	10799	4998	
881020	A	60	1	E Med Sea	L	10	544	551	10856	4990	
881021	A	65	1	E Med Sea	L	10	522	529	10870	4998	
881023	A	73	2	E Med Sea	L	10	619	626	10899	4988	
881024	A	76	1	E Med Sea	L	10	557	604	10913	4928	
881026	A	82	2	E Med Sea	L	10	513	520	10941	4998	
881027	B	88	3	E Med Sea	L	10	632	639	10956	5134	
881028	A	93	4	E Med Sea	L	10	610	617	10970	5034	
881030	A	100	3	E Med Sea	L	10	526	533	10998	4854	
881102	B	113	1	E Med Sea	L	10	602	609	11041	4782	
881106	A	126	1	E Med Sea	L	10	615	622	11098	4824	
881107	A	131	2	E Med Sea	L	19	552	559	11112	4648	
881120	A	175	1	E Med Sea	L	10	608	614	11297	3780	
881121	A	177	3	E Med Sea	L	10	546	551	11311	3550	
881122	A	180	1	E Med Sea	L	10	527	2532	11325	3250	
881128	A	200	2	E Med Sea	L	10	633	640	11411	4794	
881130	A	209	1	E Med Sea	L	10	549	556	11439	4810	
881204	B	226	1	E Med Sea	L	10	600	607	11496	3750	
881205	A	229	3	E Med Sea	L	10	539	545	11510	3588	
881209	B	244	1	E Med Sea	L	10	554	604	11567	6698	
881213	B	258	1	E Med Sea	L	10	605	611	11624	4216	
881214	A	260	2	E Med Sea	L	10	542	548	11638	3624	
881217	B	273	1	E Med Sea	L	10	617	623	11681	3816	
881218	B	278	2	E Med Sea	L	10	555	602	11695	4670	
881221	A	290	1	E Med Sea	L	10	630	637	11739	4838	
881222	E	295	2	E Med Sea	L	10	607	613	11752	3820	
881223	C	298	1	E Med Sea	L	10	545	551	11766	3712	
881226	C	309	2	E Med Sea	L	10	620	626	11809	3846	
881227	B	311	2	E Med Sea	L	10	558	603	11823	3732	
881230	C	322	2	E Med Sea	L	10	633	639	11866	4258	
890101	A	326	1	E Med Sea	L	10	548	553	11894	3506	
890106	A	335	3	E Med sea	L	10	539	545	11965	4314	
890109	D	349	1	E Med Sea	L	10	612	618	12008	3910	
890113	B	362	2	E Med Sea	L	10	625	631	12065	3790	
890114	B	367	1	E Med Sea	L	10	602	608	12079	3586	
890115	A	370	1	E Med sea	L	10	541	546	12093	3762	
890122	A	399	1	E Med Sea	L	10	628	633	12193	3802	
890124	A	407	2	E Med Sea	L	10	543	548	12221	3774	
890127	C	423	2	E Med Sea	L	10	617	623	12264	3802	

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890128	C	428	1	E Med Sea	L	10	556	601	12278	3802	
890201	C	443	3	E Med Sea	L	10	607	613	12335	3778	
890202	A	446	1	E Med Sea	L	10	545	551	12349	3732	
890205	B	459	1	E Med Sea	L	10	620	625	12392	3862	
890206	D	464	2	E Med Sea	L	10	557	603	12406	3648	
890209	B	475	1	E Med Sea	L	10	632	639	12449	3802	
890210	B	481	2	E Med Sea	L	10	610	615	12463	3886	
890215	B	501	1	E Med Sea	L	10	559	606	12534	4700	
890218	A	510	1	E Med Sea	L	10	634	639	12577	3710	
890219	C	515	1	E Med Sea	L	10	611	617	12591	4042	
890220	C	520	3	E Med Sea	L	10	549	555	12605	3802	
890224	B	533	1	E Med Sea	L	10	601	607	12662	3804	
890301	C	556	2	E Med Sea	L	10	551	557	12733	3686	
890304	A	567	1	E Med Sea	L	10	625	631	12776	3774	
890304	D	570	2	E Med Sea	L	10	603	608	12790	3682	
890306	A	574	2	E Med Sea	L	10	541	546	12804	1566	
890306	B	575	2	E Med Sea	L	10	722	727	12805	3742	
890310	D	597	2	E Med Sea	L	10	553	558	12861	3620	
890314	C	612	3	E Med Sea	L	10	605	610	12918	3832	
890319	B	632	3	E Med Sea	L	10	554	600	12989	nr	
890322	B	646	1	E Med Sea	L	10	629	634	13032	3802	
890323	B	652	2	E Med Sea	L	10	606	612	13046	3882	
890324	A	656	2	E Med Sea	L	10	544	549	13060	3776	
890327	C	669	1	E Med Sea	L	10	618	623	13103	3640	
890328	C	675	2	E Med Sea	L	10	555	600	13117	nr	
890401	A	683	2	E Med Sea	L	10	607	613	13174	3806	
890406	C	706	3	E Med Sea	L	10	556	602	13245	3782	
890409	A	723	1	E Med Sea	L	10	630	636	13288	3804	
890410	C	729	2	E Med Sea	L	10	608	615	13302	3604	
890411	B	733	2	E Med Sea	L	10	545	551	13316	3494	
890412	A	736	2	E Med Sea	L	10	526	530	13330	1968	
890418	C	753	1	E Med Sea	L	10	631	637	13416	3874	
890419	B	759	2	E Med Sea	L	10	609	614	13430	3766	
890420	B	763	2	E Med Sea	L	10	546	552	13444	3548	
890424	B	783	2	E Med Sea	L	10	558	603	13501	3760	
890427	B	798	3	E Med Sea	L	10	632	637	13544	3676	
890502	B	822	2	E Med Sea	L	10	621	626	13615	3772	
890504	A	833	1	E Med Sea	L	10	536	541	13643	3730	
890506	B	846	2	E Med Sea	L	10	632	638	13672	3780	
890508	B	857	3	E Med Sea	L	10	547	552	13700	3488	
890511	B	872	3	E Med Sea	L	10	621	627	13743	3754	
890512	B	876	2	E Med Sea	L	10	559	604	13757	3588	
890513	A	880	1	E Med Sea	L	10	536	542	13771	3676	
890515	A	892	1	E Med Sea	L	10	632	638	13800	3820	
890516	A	897	1	E Med Sea	L	10	610	616	13814	3824	
890524	A	934	1	E Med Sea	L	10	633	638	13928	3740	
890526	B	946	1	E Med Sea	L	10	548	553	13956	3612	
890530	B	964	2	E Med Sea	L	10	559	605	14014	4138	
890608	B	1005	2	E Med Sea	L	10	600	605	14141	3954	
890612	A	1026	2	E Med Sea	L	10	610	616	14198	3896	
890613	B	1031	2	E Med Sea	L	10	548	554	14212	3776	
890616	B	1048	1	E Med Sea	L	10	622	627	14255	3800	
890617	B	1054	4	E Med Sea	L	10	600	605	14269	3908	

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890625	A	1092	1	E Med Sea	L	10	622	627	14383	3758	
890626	C	1099	3	E Med Sea	L	10	600	605	14397	3954	
890630	A	1120	1	E Med Sea	L	10	610	615	14454	3772	
890717	B	1204	2	E Med Sea	L	10	632	637	14696	3706	
890723	C	1234	1	E Med Sea	L	10	557	603	14781	3814	
890724	B	1240	2	E Med Sea	L	10	535	540	14795	3802	
890726	B	1252	2	E Med Sea	L	10	631	637	14824	3744	
890727	C	1256	3	E Med Sea	L	10	609	614	14838	2116	
890804	C	1297	1	E Med Sea	L	10	630	636	14952	3798	
890811	A	1334	3	E Med Sea	L	10	533	539	15051	3824	
890813	B	1348	1	E Med Sea	L	10	630	635	15080	3762	
890818	B	1369	1	E Med Sea	L	10	618	623	15151	3500	
890820	A	1379	1	E Med Sea	L	10	532	538	15179	2162	
890822	C	1392	2	E Med Sea	L	10	629	634	15208	3800	
890827	B	1420	1	E Med Sea	L	10	617	622	15279	3722	
890901	C	1449	2	E Med Sea	L	10	605	610	15350	3800	
890906	B	1468	3	E Med Sea	L	10	553	559	15421	3800	
890909	B	1483	2	E Med Sea	L	10	626	632	15464	3804	
890911	B	1495	3	E Med Sea	L	10	541	547	15492	3800	
890914	A	1510	1	E Med Sea	L	10	615	620	15535	3784	
890915	B	1515	2	E Med Sea	L	10	552	557	15549	3804	
890918	A	1529	1	E Med Sea	L	10	626	631	15592	4004	
890920	A	1541	2	E Med Sea	L	10	540	545	15620	3764	
890924	B	1566	2	E Med Sea	L	10	551	556	15677	3724	
890927	B	1580	3	E Med Sea	L	10	624	629	15720	3786	
890928	B	1585	1	E Med Sea	L	10	601	607	15734	3680	
880715	A	1701	2	Giuk Gap	L	9	1351	1358	18496	5078	
880919	A	1706	1	Giuk Gap	L	9	1518	1525	19428	4636	
880920	B	1708	3	Giuk Gap	L	9	1506	1514	19442	5168	
880921	C	1712	1	Giuk Gap	L	9	1454	1502	19456	3908	
880923	A	1713	2	Giuk Gap	L	9	1616	1623	19485	4610	
880925	A	1715	1	Giuk Gap	L	9	1411	1418	19512	4642	
880929	A	1717	1	Giuk Gap	L	11	1214	1222	1355	5342	
881002	D	7	1	Giuk Gap	L	9	1801	1808	19613	5328	
881003	B	9	1	Giuk Gap	L	9	1424	1431	19625	5288	
881004	B	12	2	Giuk Gap	L	9	1555	1602	19640	4964	
881005	B	15	1	Giuk Gap	L	9	1545	1552	19654	4620	
881006	A	17	2	Giuk Gap	L	9	1534	1540	19668	4744	
881008	C	24	1	Giuk Gap	L	9	1512	1518	19696	4636	
881009	C	28	1	Giuk Gap	L	9	1643	1651	19711	5754	
881010	C	32	1	Giuk Gap	L	9	1448	1455	19724	4990	
881012	A	37	2	Giuk Gap	L	9	1426	1433	19752	5456	
881014	A	46	3	Giuk Gap	L	9	1225	1232	19779	4610	
881015	C	51	2	Giuk Gap	L	9	1535	1542	19795	5184	
881016	D	55	3	Giuk Gap	L	9	1514	1520	19823	4590	881017
881016	D	55	1	Giuk Gap	L	9	1707	1717	19810	7516	
881019	A	58	2	Giuk Gap	L	9	1644	1651	19838	4950	
881019	B	59	1	Giuk Gap	L	9	1450	1458	19851	5560	
881020	C	62	1	Giuk Gap	L	9	1439	1447	19865	5500	
881021	D	68	1	Giuk Gap	L	9	1753	1800	19882	5004	
881025	C	80	1	Giuk Gap	L	9	1526	1533	19936	5170	
881026	C	84	1	Giuk Gap	L	9	1516	1522	19950	4636	
881028	B	95	1	Giuk Gap	L	9	1635	1642	19979	5034	

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881029	C	98	1	Giuk Gap	L	9	1440	1448	1999	6066	
881030	C	102	2	Giuk Gap	L	9	1755	1802	20008	5000	
881031	C	105	1	Giuk Gap	L	9	1601	1608	20021	5078	
881101	B	108	1	Giuk Gap	L	9	1550	1557	20035	5116	
881102	C	114	1	Giuk Gap	L	9	1539	1546	20049	5160	
881103	B	119	1	Giuk Gap	L	9	1529	1535	20063	4602	
881105	A	123	1	Giuk Gap	L	9	1649	1657	20092	5754	
881106	B	127	1	Giuk Gap	L	9	1627	1644	20106	5034	
881107	B	132	1	Giuk Gap	L	9	1443	1450	20119	5394	
881108	C	136	1	Giuk Gap	L	11	1216	1228	636	8034	
881109	A	137	2	Giuk Gap	L	11	1210	1217	650	5544	
881111	A	148	2	Giuk Gap	L	11	1333	1340	679	5016	
881115	A	160	2	Giuk Gap	L	11	1252	1259	735	4698	
881116	A	162	2	Giuk Gap	L	11	1242	1249	749	5160	
881117	A	166	3	Giuk Gap	L	11	1232	1239	763	4918	
881119	B	172	1	Giuk Gap	L	11	1354	1401	792	4804	
881121	B	179	1	Giuk Gap	L	11	1334	1341	820	5058	
881122	B	181	2	Giuk Gap	L	11	1324	1331	834	4890	
881122	C	184	3	Giuk Gap	L	11	1314	1321	848	4816	
881126	A	193	3	Giuk Gap	L	11	1242	1252	890	5204	
881127	B	197	1	Giuk Gap	L	11	1415	1423	905	5754	
881128	A	200	1	Giuk Gap	L	11	1222	1229	918	5346	
881129	A	205	2	Giuk Gap	L	11	1212	1219	932	5332	
881130	A	209	2	Giuk Gap	L	11	1202	1209	946	5346	
881201	B	213	2	Giuk Gap	L	11	1335	1342	961	4946	
881202	D	218	3	Giuk Gap	L	11	1507	1514	976	5394	
881203	A	221	1	Giuk Gap	L	11	1314	1322	989	5190	
881204	C	227	1	Giuk Gap	L	11	1447	1454	1004	5034	
881205	B	230	1	Giuk Gap	L	11	1254	1301	1017	5168	
991206	B	232	3	Giuk Gap	L	11	1244	1251	1031	5106	
881207	C	236	2	Giuk Gap	L	11	1304	1307	1045	4870	
881208	B	240	1	Giuk Gap	L	11	1223	1231	1059	5350	
881209	C	245	2	Giuk Gap	L	11	1356	1403	1074	4674	
881210	B	248	3	Giuk Gap	L	11	1346	1353	1088	4570	
881211	B	252	2	Giuk Gap	L	11	1519	1527	1103	5750	
881213	A	257	2	Giuk Gap	L	11	1316	1322	1130	4674	
881214	B	261	1	Giuk Gap	L	11	924	934	1141	5654	
881215	C	267	2	Giuk Gap	L	11	1256	1304	1158	4500	
881216	C	271	2	Giuk Gap	L	11	1428	1436	1173	5754	
881217	B	273	2	Giuk Gap	L	11	1235	1242	1186	4648	
881218	C	279	1	Giuk Gap	L	11	1407	1413	1201	4314	
881219	C	283	2	Giuk Gap	L	11	1213	1220	1214	4742	
881220	C	286	2	Giuk Gap	L	11	1203	1210	1228	5034	
881221	B	291	2	Giuk Gap	L	11	1336	1343	1243	5202	
881222	E	295	1	Giuk Gap	L	11	1327	1333	1257	4528	
881224	B	303	1	Giuk Gap	L	11	1305	1313	1285	5056	
881225	B	306	2	Giuk Gap	L	11	1438	1445	1300	4674	
881226	A	307	1	Giuk Gap	L	11	1246	1253	1313	4828	
881227	B	311	1	Giuk Gap	L	11	1236	1243	1327	4744	
881228	B	314	3	Giuk Gap	L	11	1225	1232	1341	5110	
881230	D	323	2	Giuk Gap	L	11	1348	1356	1370	4424	
881231	A	1718	1	Giuk Gap	L	11	1338	1345	1384	4428	
890101	B	327	3	Giuk Gap	L	11	1510	1517	1399	3096	

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890101	B	327	1	Giuk Gap	L	11	1317	1324	1412	4914	
890103	B	331	3	Giuk Gap	L	11	1306	1313	1426	5208	
890104	B	334	1	Giuk Gap	L	11	1256	1303	1440	5196	bad imag
890106	B	336	1	Giuk Gap	L	11	1418	1426	1469	5578	
890107	B	339	2	Giuk Gap	L	11	1039	1049	1481	7510	
890109	D	349	2	Giuk Gap	L	11	1348	1355	1511	4648	
890111	C	354	1	Giuk Gap	L	11	1328	1334	1539	4530	
890113	D	365	2	Giuk Gap	L	11	1450	1457	1568	5034	
890114	A	366	1	Giuk Gap	L	10	1257	1304	1581	4916	
890115	C	372	2	Giuk Gap	L	11	1429	1437	1596	5754	
890116	B	375	1	Giuk Gap	L	11	1236	1243	1609	5082	
890117	B	379	2	Giuk Gap	L	11	1227	1233	1623	4496	
890120	C	393	3	Giuk Gap	L	11	1521	1528	1677	5034	
890122	B	400	3	Giuk Gap	L	11	1459	1507	1695	5550	
890124	B	408	1	Giuk Gap	L	11	1256	1304	1722	5158	
890125	B	413	2	Giuk Gap	L	11	1246	1254	1736	5192	
890126	B	417	1	Giuk Gap	L	11	1237	1244	1750	4716	
890127	D	424	2	Giuk Gap	L	11	1408	1416	1765	5708	
890128	C	428	3	Giuk Gap	L	11	1215	1222	1778	4990	
890129	B	432	3	Giuk Gap	L	11	1531	1537	1794	4672	
890130	C	436	3	Giuk Gap	L	11	1654	1700	1807	4606	
890131	B	438	3	Giuk Gap	L	11	1144	1151	1820	5346	
890201	C	443	1	Giuk Gap	L	11	1317	1324	1835	4630	
890202	B	447	2	Giuk Gap	L	11	1306	1314	1849	5122	
890204	B	453	1	Giuk Gap	L	11	1246	1253	1877	5186	
890205	A	458	2	Giuk Gap	L	11	1419	1426	1892	5034	
890206	C	463	2	Giuk Gap	L	11	1225	1232	1905	5174	
890207	B	466	3	Giuk Gap	L	11	1215	1222	1919	5236	
890208	C	471	1	Giuk Gap	L	11	1348	1355	1934	4552	
890210	C	482	3	Giuk Gap	L	11	1510	1516	1963	4674	
890211	B	485	1	Giuk Gap	L	11	1316	1323	1976	4238	
890212	C	491	3	Giuk Gap	L	11	1449	1456	1991	5034	
890213	C	494	1	Giuk Gap	L	11	1256	1303	2004	5198	
890214	B	497	1	Giuk Gap	L	11	1247	1253	2018	4628	
890215	B	501	3	Giuk Gap	L	11	1235	1243	2032	5196	
890216	A	503	2	Giuk Gap	L	11	1225	1232	2046	4982	
890217	D	508	3	Giuk Gap	L	11	1357	1405	2061	5188	
890218	A	1719	3	Giuk Gap	L	11	1348	1354	207	4674	
890219	D	516	2	Giuk Gap	L	11	1519	1530	2090	7624	
890220	C	520	2	Giuk Gap	L	11	1326	1334	2103	5196	
890221	A	523	2	Giuk Gap	L	11	1316	1323	2117	5204	
890222	C	527	3	Giuk Gap	L	11	1306	1313	2131	4756	
890222	D	528	2	Giuk Gap	L	11	1257	1303	2145	4574	
890224	C	534	2	Giuk Gap	L	11	1428	1438	2160	3604	
890225	B	538	2	Giuk Gap	L	11	1235	1243	2173	5200	
890226	B	542	1	Giuk Gap	L	11	1408	1416	2188	5394	
890227	D	547	1	Giuk Gap	L	11	1358	1404	2202	4654	
890228	C	551	1	Giuk Gap	L	11	1203	1211	2215	5348	
890301	C	556	1	Giuk Gap	L	11	1336	1344	2230	5010	
890302	B	560	2	Giuk Gap	L	11	1327	1333	2244	4584	
890303	D	565	2	Giuk Gap	L	11	1459	1505	2259	4674	
890304	C	569	1	Giuk Gap	L	11	1448	1454	2273	4314	
890305	A	572	1	Giuk Gap	L	11	1438	1444	2287	4674	

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890306	B	575	1	Giuk Gap	L	11	1245	1252	2300	4808	
890307	C	580	1	Giuk Gap	L	11	1235	1241	2314	4626	
890308	C	585	2	Giuk Gap	L	11	1407	1415	2329	5394	
890309	C	590	1	Giuk Gap	L	11	1213	1220	2342	5394	
890310	C	596	3	Giuk Gap	L	11	1346	1353	2357	5134	
890311	C	601	2	Giuk Gap	L	11	1336	1343	2371	4734	
890312	A	604	1	Giuk Gap	L	11	1653	1702	12896	5754	
890313	C	608	2	Giuk Gap	L	11	1315	1322	2399	5202	
890314	C	612	2	Giuk Gap	L	11	1305	1312	2413	5156	
890315	A	613	1	Giuk Gap	L	11	1436	1444	2428	5610	
890316	B	618	2	Giuk Gap	L	11	1244	1252	2441	5206	
890317	C	622	1	Giuk Gap	L	11	1234	1241	2455	5198	
890322	C	647	1	Giuk Gap	L	11	1324	1332	2526	5130	
890323	C	653	2	Giuk Gap	L	11	1313	1321	2540	5194	
890324	C	658	2	Giuk Gap	L	11	1446	1454	2555	5608	
890325	B	661	1	Giuk Gap	L	11	1253	1301	2568	5204	
890326	C	665	2	Giuk Gap	L	11	1425	1433	2583	5332	
890327	D	670	1	Giuk Gap	L	11	1414	1422	2597	5162	
890328	B	674	1	Giuk Gap	L	11	1221	1229	2610	5338	
890328	D	676	1	Giuk Gap	L	11	1404	1412	2611	5840	
890402	A	685	2	Giuk Gap	L	11	1455	1503	2682	5488	
890403	B	688	1	Giuk Gap	L	11	1343	1351	2639	5182	
890403	C	690	1	Giuk Gap	L	11	1302	1310	2695	5166	
890404	D	695	1	Giuk Gap	L	11	1252	1259	2709	5192	
890405	C	700	2	Giuk Gap	L	11	1428	1431	2724	5392	
890406	C	707	1	Giuk Gap	L	11	1413	1421	2738	5112	
890408	C	719	3	Giuk Gap	L	11	1352	1400	2766	5106	
890410	C	729	3	Giuk Gap	L	11	1332	1339	2794	5176	
890411	B	733	1	Giuk Gap	L	11	1321	1329	2808	5170	
890415	A	740	2	Giuk Gap	L	11	1422	1430	2865	5490	
890416	B	744	2	Giuk Gap	L	11	1412	1424	2879	8002	
890417	B	747	2	Giuk Gap	L	11	1214	1226	2892	8080	
890417	C	748	1	Giuk Gap	L	11	1401	1408	2893	5184	
890418	D	754	2	Giuk Gap	L	11	1351	1400	2907	5202	
890419	B	759	1	Giuk Gap	L	11	1340	1348	2921	5144	
890420	B	763	1	Giuk Gap	L	11	1330	1338	2935	5206	
890421	C	769	1	Giuk Gap	L	11	1502	1509	2950	5228	
890422	B	773	1	Giuk Gap	L	11	1309	1315	2963	3788	
890423	C	779	1	Giuk Gap	L	11	1441	1449	2978	5390	
890424	B	783	3	Giuk Gap	L	11	1248	1256	2991	5164	
890424	C	784	2	Giuk Gap	L	11	1430	1438	2992	5372	
890425	A	787	2	Giuk Gap	L	11	1238	1245	3005	5188	
890426	D	793	1	Giuk Gap	L	11	1233	1234	3019	7408	
890427	C	799	1	Giuk Gap	L	11	1359	1407	3034	5154	
890428	B	804	1	Giuk Gap	L	11	1329	1356	3048	4940	
890429	B	810	1	Giuk Gap	L	11	1339	1346	3062	5096	
890430	B	813	1	Giuk Gap	L	11	1511	1518	3077	4832	
890501	C	818	1	Giuk Gap	L	11	1318	1325	3090	5208	
890502	D	824	3	Giuk Gap	L	11	1449	1501	3105	7938	
890503	B	829	1	Giuk Gap	L	11	1357	1305	3118	5190	
890504	B	834	2	Giuk Gap	L	11	1247	1254	3132	5200	
890505	B	839	1	Giuk Gap	L	11	1236	1243	3146	4876	
890506	C	847	3	Giuk Gap	L	11	1224	1232	3160	5610	

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890507	C	852	2	Giuk Gap	L	11	1540	1551	3176	8074	write err
890508	B	857	2	Giuk Gap	L	11	1347	1355	3189	5166	
890509	A	861	1	Giuk Gap	L	11	1338	1344	3203	4568	
890510	B	867	1	Giuk Gap	L	11	1327	1334	3217	4628	
890511	B	872	1	Giuk Gap	L	11	1316	1323	3231	5212	
890512	C	877	2	Giuk Gap	L	11	1447	1455	3246	5550	
890513	B	881	1	Giuk Gap	L	11	1256	1303	3259	4842	not unpack
890515	B	893	1	Giuk Gap	L	11	1234	1241	3287	5138	
890518	B	907	1	Giuk Gap	L	11	1345	1352	3330	5164	
890519	A	911	1	Giuk Gap	L	11	1335	1342	3344	5198	
890520	A	915	1	Giuk Gap	L	11	1325	1332	2258	4614	
890522	A	925	1	Giuk Gap	L	11	1303	1311	3386	5146	
890523	A	930	1	Giuk Gap	L	11	1254	1301	3400	4792	
890529	A	960	1	Giuk Gap	L	11	1332	1340	3485	5210	
890531	C	969	1	Giuk Gap	L	11	1312	1320	3513	5206	
890602	B	978	2	Giuk Gap	L	11	1433	1440	3542	5184	
890605	A	989	1	Giuk Gap	L	11	1403	1410	3584	4284	
890606	A	995	1	Giuk Gap	L	11	1351	1358	3598	5176	
890607	B	999	1	Giuk Gap	L	11	1341	1348	3612	5010	
890608	B	1005	1	Giuk Gap	L	11	1331	1338	3626	4706	
890611	A	1022	1	Giuk Gap	L	11	1441	1448	3669	5012	
890612	A	1026	3	Giuk Gap	L	11	1249	1255	3682	4744	
890615	B	1043	1	Giuk Gap	L	11	1359	1406	3725	5136	
890616	C	1049	1	Giuk Gap	L	11	1348	1356	3739	5200	
890617	B	1054	3	Giuk Gap	L	11	1339	1346	3753	4912	
890618	B	1060	2	Giuk Gap	L	11	1510	1518	3768	5568	
890619	B	1064	1	Giuk Gap	L	11	1317	1324	3781	4904	
890620	B	1069	1	Giuk Gap	L	11	1308	1314	3795	4552	
890621	B	1074	1	Giuk Gap	L	11	1257	1304	3809	4660	
890622	B	1079	1	Giuk Gap	L	11	1246	1253	3823	5178	
890623	C	1084	3	Giuk Gap	L	11	1417	1425	3838	5210	
890624	D	1089	1	Giuk Gap	L	11	1408	1415	3852	5032	
890625	C	1094	1	Giuk Gap	L	11	1539	1546	3868	5098	
890626	C	1099	2	Giuk Gap	L	11	1346	1353	3880	4964	
890627	D	1106	1	Giuk Gap	L	11	1335	1343	3894	5172	
890628	B	1111	1	Giuk Gap	L	11	1325	1332	3908	5208	
890629	A	1115	3	Giuk Gap	L	11	1315	1322	3922	4674	bad file
890629	A	1115	3	Giuk Gap	L	11	1315	1322	3922	4674	bad file
890630	B	1121	1	Giuk Gap	L	11	1447	1434	3937	5034	
890702	B	1129	2	Giuk Gap	L	11	1426	1433	3965	5034	
890703	C	1134	3	Giuk Gap	L	11	1415	1422	3779	5034	
890704	D	1139	1	Giuk Gap	L	11	1221	1229	3992	5340	
890705	B	1142	2	Giuk Gap	L	11	1355	1401	4007	4506	
890706	C	1147	1	Giuk Gap	L	11	1344	1351	4021	4516	
890707	C	1152	1	Giuk Gap	L	11	1515	1522	4036	5242	
890708	A	1156	1	Giuk Gap	L	11	1322	1330	4049	5114	
890709	B	1162	1	Giuk Gap	L	11	1454	1501	4064	5262	
890711	B	1171	1	Giuk Gap	L	11	1252	1258	4091	4586	
890712	C	1177	3	Giuk Gap	L	11	1423	1431	4106	4942	
890713	D	1183	1	Giuk Gap	L	11	1229	1236	4119	5348	
890714	C	1188	1	Giuk Gap	L	11	1402	1409	4134	3062	
890715	B	1194	1	Giuk Gap	L	11	1352	1358	4148	4674	
890716	B	1199	1	Giuk Gap	L	11	1523	1530	4163	5252	

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890717	B	1204	1	Giuk Gap	L	11	1330	1337	4176	5192	
890718	C	1208	1	Giuk Gap	L	11	1320	1327	4190	4634	
890720	B	1217	2	Giuk Gap	L	11	1258	1306	4218	5206	
890721	C	1224	1	Giuk Gap	L	11	1431	1438	4233	5020	
890722	C	1230	3	Giuk Gap	L	11	1420	1427	4247	5034	
890723	D	1235	2	Giuk Gap	L	11	1409	1416	4261	5160	
890724	C	1241	1	Giuk Gap	L	11	1358	1406	4275	5164	
890726	B	1252	1	Giuk Gap	L	11	1337	1345	4303	5202	
890727	C	1256	1	Giuk Gap	L	11	1328	1334	4317	4706	
890728	C	1262	2	Giuk Gap	L	11	1458	1506	4332	3794	
890729	B	1265	1	Giuk Gap	L	11	1306	1313	4345	5194	
890731	B	1275	1	Giuk Gap	L	11	1246	1252	4373	4644	
890801	D	1282	1	Giuk Gap	L	11	1233	1241	4387	5346	
890802	C	1285	1	Giuk Gap	L	11	1406	1413	4402	5098	
890803	D	1292	1	Giuk Gap	L	11	1357	1403	4416	4276	
890804	D	1298	1	Giuk Gap	L	11	1528	1536	4431	5754	
890806	B	1308	2	Giuk Gap	L	11	1507	1514	4459	5034	
890807	B	1312	1	Giuk Gap	L	11	1314	1320	4472	4610	
890808	B	1316	1	Giuk Gap	L	11	1304	1310	4486	4588	
890809	B	1322	1	Giuk Gap	L	11	1253	1259	4500	4624	
890810	C	1330	2	Giuk Gap	L	11	1241	1249	4514	5734	
890812	D	1342	1	Giuk Gap	L	11	1404	1410	4543	4542	
890813	C	1349	1	Giuk Gap	L	11	1535	1543	4558	5576	
890814	C	1354	1	Giuk Gap	L	11	1341	1349	4571	5186	
890816	B	1360	1	Giuk Gap	L	11	1322	1328	4599	4534	
890817	B	1364	1	Giuk Gap	L	11	1311	1317	4613	4618	
890818	D	1371	3	Giuk Gap	L	11	1442	1450	4628	5660	
890819	B	1375	1	Giuk Gap	L	11	1249	1256	4641	3794	
890820	C	1381	3	Giuk Gap	L	11	1420	1428	4656	4952	
890821	D	1387	1	Giuk Gap	L	11	1410	1417	4670	4924	
890822	D	1393	1	Giuk Gap	L	11	1359	1407	4684	5178	
890826	B	1416	1	Giuk Gap	L	11	1317	1324	4740	4994	
890827	D	1422	1	Giuk Gap	L	11	1449	1457	4755	5376	
890829	C	1433	2	Giuk Gap	L	11	1245	1252	4782	5336	
890830	C	1439	3	Giuk Gap	L	11	1417	1424	4797	5252	
890831	C	1444	1	Giuk Gap	L	11	1407	1414	4811	4626	
890901	D	1450	2	Giuk Gap	L	11	1538	1546	4826	5590	
890903	B	1456	1	Giuk Gap	L	11	1517	1525	4854	5216	
890903	C	1459	1	Giuk Gap	L	11	1324	1332	4867	5198	
890905	B	1463	1	Giuk Gap	L	11	1313	1321	4881	5186	
890906	B	1468	1	Giuk Gap	L	11	1303	1310	4895	5186	
890907	C	1475	2	Giuk Gap	L	11	1252	1300	4909	5200	
890908	B	1479	1	Giuk Gap	L	11	1242	1249	4923	5194	
890909	C	1484	1	Giuk Gap	L	11	1413	1421	4938	5612	
890910	B	1490	2	Giuk Gap	L	11	1545	1553	4953	5614	
890911	C	1496	1	Giuk Gap	L	11	1352	1359	4966	5200	
890912	C	1502	1	Giuk Gap	L	11	1524	1531	4981	4886	
890913	C	1507	2	Giuk Gap	L	11	1331	1339	4994	5178	
890914	B	1511	2	Giuk Gap	L	11	1320	1328	5008	5140	
890915	C	1516	1	Giuk Gap	L	11	1452	1500	5023	5602	
890916	C	1521	3	Giuk Gap	L	11	1259	1307	5036	5196	
890917	B	1525	2	Giuk Gap	L	11	1431	1438	5051	5250	
890918	B	1531	2	Giuk Gap	L	11	1239	1246	5064	5072	

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890920	C	1543	1	Giuk Gap	L	11	1359	1406	5093	5202	
890921	D	1551	1	Giuk Gap	L	11	1349	1356	5107	5172	
890922	C	1557	2	Giuk Gap	L	11	1520	1528	5122	5380	
890923	B	1561	1	Giuk Gap	L	11	1327	1335	5135	5180	
890924	C	1567	1	Giuk Gap	L	11	1459	1506	5150	5248	
890925	C	1572	1	Giuk Gap	L	11	1306	1313	5163	4956	
890926	B	1576	1	Giuk Gap	L	11	1255	1303	5177	5182	
890927	B	1580	2	Giuk Gap	L	11	1244	1252	5191	5334	
890928	C	1586	2	Giuk Gap	L	11	1233	1241	5205	5710	
890929	C	1592	1	Giuk Gap	L	11	1406	1413	5220	5098	
890930	C	1598	1	Giuk Gap	L	11	1355	1402	5234	5190	
881118	C	171	2	Giuk Gap 3&4	L	11	1405	1412	778	5034	
890319	B	632	1	Giuk/Lincoln	L	11	1537	1549	2485	8072	
890711	D	1173	1	Gomex	H	11	1928	1932	4095	2874	
890712	A	1175	2	Gomex	H	11	755	804	4102	6474	
890731	D	1277	1	Gomex	H	11	1923	1929	4377	3940	
890920	E	1545	2	Gomex	H	11	1854	1901	5096	5034	
881004	C	13	3	Hawaii	L	9	1440	1444	19639	2682	
881007	B	20	1	Hawaii	L	9	1407	1411	19679	2714	
890201	E	445	1	Jap/Okh	L	10	2255	2305	12345	6998	
890203	A	450	3	Jap/Okh	L	10	2232	2247	12359	6950	
890214	D	499	1	Jap/Okh	L	10	2309	2319	12530	7006	
890215	C	502	1	Jap/Okh	L	10	2247	2257	12544	6880	
890219	A	513	1	Jap/Okh	L	10	2321	2331	12587	6982	
890220	A	518	2	Jap/Okh	L	10	2259	2309	12601	5138	
890222	D	528	3	Jap/Okh	L	10	2152	2202	12643	7028	
890223	C	531	1	Jap/Okh	L	10	2311	2319	12658	5384	
890303	B	563	3	Jap/Okh	L	10	2216	2226	12757	6878	
890308	A	582	3	Jap/Okh	L	10	2206	2216	12828	6980	
890309	A	588	3	Jap/Okh	L	10	2325	2335	12843	6984	
881001	C	3	1	Kuroshio	L	10	2249	2259	10596	6548	
881002	C	6	1	Kuroshio	L	10	2227	2236	10610	6828	
881004	C	13	1	Kuroshio	L	10	2324	2333	10639	6434	
881007	A	19	3	Kuroshio	L	10	2240	2249	10667	6436	
881009	D	29	1	Kuroshio	L	10	2315	2324	10710	6250	
881011	A	34	3	Kuroshio	L	10	2253	2302	10724	6556	
881011	C	36	3	Kuroshio	L	10	2230	2240	10738	7000	
881012	C	39	1	Kuroshio	L	10	2208	2216	10752	5874	
881016	C	53	2	Kuroshio	L	10	2243	2252	10795	6422	
881018	A	56	2	Kuroshio	L	10	2159	2208	10823	nr	
881020	D	64	2	Kuroshio	L	10	2235	2243	10866	5336	msg scans
881022	A	72	1	Kuroshio	L	10	2150	2159	10894	6196	
881025	D	81	1	Kuroshio	L	10	2225	2234	10937	6438	
881026	E	86	2	Kuroshio	L	10	2200	2210	10951	6740	
881031	B	104	3	Kuroshio	L	10	2215	2224	11008	6834	
881105	B	124	1	Kuroshio	L	10	2325	2334	11094	6430	
881106	D	130	2	Kuroshio	L	10	2302	2312	11108	6962	
881108	A	133	2	Kuroshio	L	10	2240	2250	11122	6834	
881109	A	137	3	Kuroshio	L	10	2218	2228	11136	6990	
881110	B	146	1	Kuroshio	L	10	2314	2325	11165	6678	
881112	B	153	2	Kuroshio	L	10	2231	2240	11193	6828	
881113	A	157	1	Kuroshio	L	10	2209	2218	11207	6408	
881116	A	162	3	Kuroshio	L	10	2306	2315	11236	6430	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
881120	B	176	1	Kuroshio	L	10	2256	2306	11307	6756	
881122	A	180	3	Kuroshio	L	10	2234	2244	11321	7006	
881122	C	184	1	Kuroshio	L	10	2212	2221	11335	6834	
881126	B	194	1	Kuroshio	L	10	2225	2234	11392	6558	
881127	D	199	1	Kuroshio	L	10	2203	2212	11406	6428	
881129	C	208	2	Kuroshio	L	10	2300	2309	11435	6424	
881202	E	219	2	Kuroshio	L	10	2153	2201	11477	4746	
881203	D	224	1	Kuroshio	L	10	2312	2321	11492	6656	
881204	D	228	1	Kuroshio	L	10	2250	2259	11506	6720	
881206	A	231	3	Kuroshio	L	10	2228	2237	11520	6608	
881207	B	235	2	Kuroshio	L	10	2205	2215	11534	6834	
881207	E	238	1	Kuroshio	L	10	2143	2151	11548	5848	
881209	A	243	2	Kuroshio	L	10	2302	2312	11563	6892	
881210	D	250	3	Kuroshio	L	10	2218	2227	11591	6890	
881212	B	255	2	Kuroshio	L	10	2156	2205	11605	6430	
881214	B	261	2	Kuroshio	L	10	2253	2302	11634	6686	
881216	A	269	2	Kuroshio	L	10	2209	2218	11662	6428	
881217	D	275	1	Kuroshio	L	10	2304	2314	11691	7010	
881219	B	282	3	Kuroshio	L	10	2243	2252	11703	6436	
881220	B	285	2	Kuroshio	L	10	2221	2230	11719	6436	
881220	E	288	1	Kuroshio	L	10	2159	2208	11733	6424	
881222	B	293	2	Kuroshio	L	10	2135	2144	11747	6794	
881223	C	298	3	Kuroshio	L	10	2255	2305	11762	6894	
881224	C	304	1	Kuroshio	L	10	2212	2221	11790	6432	
881226	A	307	3	Kuroshio	L	10	2149	2159	11804	6888	
881227	A	310	2	Kuroshio	L	10	2308	2318	11819	6978	
881228	A	313	3	Kuroshio	L	10	2246	2255	11833	6806	
881230	B	321	2	Kuroshio	L	10	2202	2211	11861	6428	
890102	A	328	2	Kuroshio	L	10	2236	2246	11904	6998	
890104	B	334	2	Kuroshio	L	10	2152	2201	11932	6530	
890109	A	346	2	Kuroshio	L	10	2323	2332	12004	6414	
890111	G	358	1	Kuroshio	L	10	2216	2226	12046	6834	
890115	A	370	3	Kuroshio	L	10	2251	2300	12089	6438	
890116	A	374	2	Kuroshio	L	10	2229	2238	12103	6428	
890116	D	377	2	Kuroshio	L	10	2207	2216	12117	6430	
890118	B	384	2	Kuroshio	L	10	2304	2313	12146	6438	
890119	D	390	1	Kuroshio	L	10	2241	2251	12160	6580	
890122	A	399	3	Kuroshio	L	10	2157	2206	12188	6460	
890122	D	402	1	Kuroshio	L	10	2316	2325	12203	6424	
890125	D	415	1	Kuroshio	L	11	2209	2218	12245	6432	
890126	E	420	1	Kuroshio	L	10	2147	2156	12259	6228	
890128	B	427	2	Kuroshio	L	10	2306	2315	12274	6436	
890131	A	437	2	Kuroshio	L	10	2159	2203	12316	6460	
890201	B	442	2	Kuroshio	L	10	2317	2327	12331	6900	
890204	E	456	1	Kuroshio	L	10	2148	2158	12387	6812	
890206	A	461	2	Kuroshio	L	10	2308	2317	12402	6286	
890207	B	466	2	Kuroshio	L	10	2245	2255	12416	6904	
890207	D	468	1	Kuroshio	L	10	2223	2233	12430	7000	
890208	E	473	1	Kuroshio	L	10	2200	2210	12444	6952	
890209	E	479	1	Kuroshio	L	10	2319	2329	12459	6984	
890211	E	488	1	Kuroshio	L	10	2239	2244	12487	6422	
890213	B	493	2	Kuroshio	L	10	2213	2223	12501	6998	
890214	B	497	2	Kuroshio	L	10	2151	2200	12515	6280	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
890217	A	505	2	Kuroshio	L	10	2225	2235	12558	6998	
890222	A	525	2	Kuroshio	L	10	2215	2225	12629	7002	
890225	D	540	1	Kuroshio	L	10	2227	2237	12686	7004	
890227	B	545	2	Kuroshio	L	10	2204	2214	12700	6988	
890301	A	554	2	Kuroshio	L	10	2301	2311	12729	6972	
890302	A	559	2	Kuroshio	L	10	2238	2248	12743	6898	
890306	B	575	3	Kuroshio	L	10	2250	2300	12800	7006	
890307	A	578	2	Kuroshio	L	10	2228	2238	12814	6934	
890310	A	594	2	Kuroshio	L	10	2303	2313	12857	7002	
890311	E	603	1	Kuroshio	L	10	2219	2228	12885	6432	
890313	A	606	2	Kuroshio	L	10	2157	2206	12899	6462	
890314	B	611	2	Kuroshio	L	10	2318	2324	12914	6474	
890315	C	615	1	Kuroshio	L	10	2231	2240	12942	6404	
890318	D	630	3	Kuroshio	L	10	2305	2314	12985	6430	890319
890319	D	630	2	Kuroshio	L	10	2305	2314	12985	6430	
890320	A	634	2	Kuroshio	L	10	2242	2251	12999	6438	
890322	F	650	1	Kuroshio	L	10	2317	2326	13042	6458	
890323	E	655	3	Kuroshio	L	10	2255	2304	13056	6218	
890326	A	663	2	Kuroshio	L	10	2209	2219	13084	6857	
890326	D	666	1	Kuroshio	L	10	2147	2156	13098	5818	
890327	F	672	1	Kuroshio	L	10	2306	2315	13113	6466	
890328	F	678	1	Kuroshio	L	10	2244	2253	13127	6438	
890329	A	9020	2	Kuroshio	L	10	2221	2230	13141	6392	
890401	B	684	2	Kuroshio	L	10	2256	2305	13184	6444	
890403	D	691	1	Kuroshio	L	10	2211	2220	13212	6458	
890404	F	697	2	Kuroshio	L	10	2148	2157	13226	6346	
890405	F	703	1	Kuroshio	L	10	2307	2316	13241	nr	
890406	G	710	2	Kuroshio	L	10	2244	2253	13255	6434	
890408	E	721	1	Kuroshio	L	10	2200	2209	13283	6474	
890409	D	726	1	Kuroshio	L	10	2319	2329	13298	6332	
890409	C	726	1	Kuroshio	L	10	2319	2329	13298	6332	
890410	E	731	1	Kuroshio	L	10	2256	2305	13312	6438	
890411	D	735	1	Kuroshio	L	10	2234	2243	13326	6414	
890415	C	742	2	Kuroshio	L	10	2245	2254	13383	6474	
890416	C	745	1	Kuroshio	L	10	2224	2233	13391	5852	
890417	E	750	1	Kuroshio	L	10	2200	2209	13411	6440	
890418	G	757	1	Kuroshio	L	10	2321	2330	13426	5426	
890419	D	761	1	Kuroshio	L	10	2257	2306	13440	6434	
890420	E	766	2	Kuroshio	L	10	2235	2244	13454	5500	
890422	E	776	1	Kuroshio	L	10	2150	2159	1348	6416	
890423	E	781	1	Kuroshio	L	10	2309	2318	13497	6186	
890424	D	785	1	Kuroshio	L	10	2246	2255	13511	6430	
890426	G	796	2	Kuroshio	L	10	2202	2210	13539	6076	
890427	D	802	2	Kuroshio	L	10	2320	2329	13554	6270	
890429	C	811	2	Kuroshio	L	10	2235	2244	13582	2368	
890430	D	815	2	Kuroshio	L	10	2213	2222	13596	6020	
890501	E	820	2	Kuroshio	L	10	2151	2200	13738	6464	
890501	A	9021	1	Kuroshio	L	10	2150	2159	13610	6402	
890503	E	832	2	Kuroshio	L	10	2247	2256	13639	5922	
890504	E	837	1	Kuroshio	L	10	2224	2233	13653	6276	
890506	E	849	1	Kuroshio	L	10	2321	2329	13682	6134	
890507	E	854	1	Kuroshio	L	10	2258	2307	13696	6164	
890508	C	859	1	Kuroshio	L	10	2235	2244	13710	6560	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
890509	D	864	1	Kuroshio	L	10	2213	2222	13724	6402	
890511	D	874	1	Kuroshio	L	10	2309	2318	13753	6426	
890514	E	890	1	Kuroshio	L	10	2202	2211	13795	6474	
890516	B	901	1	Kuroshio	L	10	2258	2308	13824	6592	
890518	C	910	2	Kuroshio	L	10	2213	2222	13852	6420	
890520	C	918	1	Kuroshio	L	10	2310	2319	13881	6474	
890521	C	923	1	Kuroshio	L	10	2247	2256	13895	6442	
890522	B	927	1	Kuroshio	L	10	2225	2234	13909	6100	
890523	C	933	1	Kuroshio	L	10	2203	2212	13923	5868	
890524	C	938	2	Kuroshio	L	10	2321	2330	13938	6400	
890525	B	944	2	Kuroshio	L	10	2300	2309	13952	5732	
890527	A	953	1	Kuroshio	L	10	2214	2223	13980	6474	
890531	A	966	2	Kuroshio	L	11	251	301	3507	7004	
890604	A	984	2	Kuroshio	L	11	352	401	3564	6474	
890607	D	1002	1	Kuroshio	L	10	2311	2320	14137	5880	
890610	A	1018	1	Kuroshio	L	10	2202	2211	14179	6464	
890611	C	1024	1	Kuroshio	L	10	2321	2330	14194	6474	
890611	D	1025	1	Kuroshio	L	10	2259	2308	14208	6384	
890613	D	1034	1	Kuroshio	L	10	2236	2245	14222	6474	
890615	E	1046	1	Kuroshio	L	10	2151	2200	14250	6478	
890617	D	1057	1	Kuroshio	L	10	2248	2257	14279	6346	
890618	D	1062	1	Kuroshio	L	10	2225	2234	14293	6150	
890619	D	1066	1	Kuroshio	L	10	2203	2212	14307	6346	
890620	E	1072	1	Kuroshio	L	10	2321	2330	14322	6470	
890621	E	1077	1	Kuroshio	L	10	2259	2308	14336	6474	
890624	F	1091	1	Kuroshio	L	10	2151	2200	14378	6474	
890626	F	1102	1	Kuroshio	L	10	2248	2257	14407	6242	
890627	G	1109	1	Kuroshio	L	10	2224	2233	14421	6436	
890628	D	1113	2	Kuroshio	L	10	2203	14435	6014	6014	
890629	C	1118	1	Kuroshio	L	10	2321	2330	14450	6106	
890701	C	1127	1	Kuroshio	L	10	2235	2244	14478	6436	
890702	D	1131	1	Kuroshio	L	10	2213	2222	14492	6374	
890703	D	1135	1	Kuroshio	L	10	2151	2200	14506	6334	
890705	D	1144	1	Kuroshio	L	10	2247	2256	14535	6114	
890706	D	1149	1	Kuroshio	L	10	2224	2233	14549	6434	
890708	D	1159	1	Kuroshio	L	10	2320	2329	14578	6432	
890709	D	1164	1	Kuroshio	L	10	2258	2307	14592	6458	
890710	D	1169	1	Kuroshio	L	10	2236	2245	14606	6156	
890711	E	1174	1	Kuroshio	L	10	2213	2222	14620	6440	
890712	E	1179	1	Kuroshio	L	10	2150	2159	14634	6464	
890713	F	1185	1	Kuroshio	L	10	2309	2318	14649	2270	
890715	D	1196	2	Kuroshio	L	10	2224	2233	14677	6436	
890716	E	1202	1	Kuroshio	L	10	2201	2210	14691	6760	
890718	A	1206	2	Kuroshio	L	10	2320	2329	14706	6422	
890718	E	1210	1	Kuroshio	L	10	2257	2306	14720	6426	
890719	D	1215	1	Kuroshio	L	10	2235	2244	14734	6440	
890720	F	1221	1	Kuroshio	L	10	2212	2221	14748	6426	
890722	D	1231	1	Kuroshio	L	10	2308	2317	14777	6290	
890723	G	1238	1	Kuroshio	L	10	2246	2255	14791	6430	
890724	E	1244	1	Kuroshio	L	10	2223	2232	14805	6434	
890727	A	1254	2	Kuroshio	L	10	2320	2328	14834	6070	
890727	F	1259	1	Kuroshio	L	10	2257	2306	14848	6446	
890729	E	1268	1	Kuroshio	L	10	2212	2221	14876	6426	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
890730	E	1273	2	Kuroshio	L	10	2149	2158	14890	6454	
890801	C	1281	1	Kuroshio	L	10	2245	2254	14919	6420	
890802	F	1288	1	Kuroshio	L	10	2223	2231	14933	6350	
890803	F	1294	1	Kuroshio	L	10	2200	2209	14947	6114	
890805	D	1305	1	Kuroshio	L	10	2256	2305	14976	6430	
890806	D	1310	1	Kuroshio	L	10	2234	2243	14990	6314	
890807	D	1314	1	Kuroshio	L	10	2211	2220	15004	6440	
890808	E	1319	1	Kuroshio	L	10	2148	2157	15018	6440	
890809	G	1327	1	Kuroshio	L	10	2307	2316	15033	6440	
890810	F	1333	2	Kuroshio	L	10	2245	2254	15047	6214	
890812	G	1345	1	Kuroshio	L	10	2159	2208	15075	6466	
890812	H	1346	1	Kuroshio	L	10	2318	2327	15090	6568	
890814	D	1355	1	Kuroshio	L	10	2255	2304	15104	6024	
890816	D	1362	2	Kuroshio	L	10	2211	2219	15132	6072	
890817	E	1367	1	Kuroshio	L	10	2147	2156	15146	6458	
890819	E	1378	1	Kuroshio	L	10	2243	2252	15175	6422	
890820	E	1383	1	Kuroshio	L	10	2221	2230	15189	6654	
890821	F	1389	1	Kuroshio	L	10	2159	2208	15203	6274	
890822	G	1396	1	Kuroshio	L	10	2317	2326	15218	6338	
890823	G	1404	1	Kuroshio	L	10	2254	2303	15232	6432	
890824	E	1410	1	Kuroshio	L	10	2232	2241	15246	6424	
890826	D	1418	1	Kuroshio	L	10	2146	2155	15274	6456	
890827	F	1424	1	Kuroshio	L	10	2305	2314	15289	6430	
890828	F	1430	1	Kuroshio	L	10	2242	2251	15303	6424	
890829	F	1436	1	Kuroshio	L	10	2220	2229	15317	6404	
890830	E	1441	1	Kuroshio	L	10	2157	2206	15331	6452	
890901	A	1447	2	Kuroshio	L	11	2316	2325	15346	6426	
890905	E	1466	1	Kuroshio	L	10	2304	2313	15417	6474	
890906	F	1472	1	Kuroshio	L	10	2241	2250	15431	6440	
890907	E	1477	2	Kuroshio	L	10	2219	2228	15445	6452	
890909	A	1482	3	Kuroshio	L	10	2156	2205	15459	6424	
890909	E	1487	1	Kuroshio	L	10	2314	2323	15474	6420	
890910	C	1492	2	Kuroshio	L	10	2252	2301	15488	6434	
890911	F	1499	1	Kuroshio	L	10	2229	2238	15502	6432	
890912	E	1504	1	Kuroshio	L	10	2207	2216	15516	6438	bad tape
890914	D	1513	1	Kuroshio	L	10	2303	2312	15545	6428	
890917	E	1528	1	Kuroshio	L	10	2155	2204	15587	6466	
890919	D	1540	1	Kuroshio	L	10	2251	2300	15616	6440	
890920	G	1547	2	Kuroshio	L	10	2229	2237	15630	6080	
890921	G	1554	3	Kuroshio	L	10	2206	2215	15644	6342	
890923	D	1564	1	Kuroshio	L	10	2301	2310	15673	6428	
890924	E	1569	1	Kuroshio	L	10	2239	2248	15687	6428	
890925	E	1574	1	Kuroshio	L	10	2216	2225	15701	6474	
890926	D	1578	1	Kuroshio	L	10	2153	2202	15715	6430	
890927	E	1583	2	Kuroshio	L	10	2312	2321	15730	6410	
890928	F	1589	2	Kuroshio	L	10	2249	2258	15744	6430	
890930	E	1600	1	Kuroshio	L	10	2204	2213	15772	6166	
890315	A	613	2	Lincoln Sea	L	11	1615	1625	2429	7194	
880921	A	1710	2	Maderia	L	9	1638	1646	19443	5738	
880921	C	1712	2	Maderia	L	9	1627	1635	19457	5736	
881004	B	12	1	Maderia	L	9	1543	1551	19640	5752	
881004	C	13	2	Maderia	L	9	1726	1734	19641	5754	
881005	C	16	2	Maderia	L	9	1714	1722	19655	5724	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
881007	C	21	3	Maderia	L	9	1654	1700	19683	4716	
881014	B	47	1	Maderia	L	9	1717	1725	19782	5754	
881015	C	51	1	Maderia	L	9	1706	1714	19796	5754	
881026	A	82	3	Maderia	L	9	1656	1704	19937	5754	
881027	A	87	2	Maderia	L	9	1645	1653	19951	5292	
881027	C	90	2	Maderia	L	9	1633	1641	19965	5754	
881029	D	99	2	Maderia	L	9	1612	1620	19993	5754	
881101	C	109	2	Maderia	L	9	1720	1728	20036	5754	
881102	D	115	2	Maderia	L	9	1711	1717	20050	5754	
881108	B	135	1	Maderia	L	9	1352	1359	637	4674	
881109	A	137	1	Maderia	L	11	1342	1349	651	5394	
881111	B	149	1	Maderia	L	11	1504	1512	680	5754	
881112	A	152	2	Maderia	L	11	1454	1502	694	5754	
881117	A	166	1	Maderia	L	11	1403	1410	764	5034	
881118	C	171	3	Maderia	L	11	1352	1400	778	5754	
881122	B	181	1	Maderia	L	11	1454	1502	835	5754	
881123	B	185	2	Maderia	L	11	1444	1452	849	5754	
881125	B	191	1	Maderia	L	11	1423	1431	877	5754	
881126	A	193	1	Maderia	L	11	1413	1421	891	5754	
881129	A	205	1	Maderia	L	11	1343	1351	933	5754	
881201	C	214	2	Maderia	L	11	1505	1514	962	6114	
881202	D	218	2	Maderia	L	11	1455	1503	976	5754	
881203	B	222	1	Maderia	L	11	1445	1453	990	5754	
881206	B	232	1	Maderia	L	11	1415	1423	1032	5754	
881207	C	236	1	Maderia	L	11	1404	1412	1046	5740	
881208	C	241	2	Maderia	L	11	1354	1402	1060	5754	
881209	C	245	1	Maderia	L	11	1344	1352	1074	5394	
881210	B	248	2	Maderia	L	11	1334	1342	1088	5394	
881213	C	259	1	Maderia	L	11	1446	1453	1131	5394	bad file
881214	D	263	1	Maderia	L	11	1436	1443	1145	5394	
881215	B	266	1	Maderia	L	11	1425	1433	1159	5394	
881216	C	271	3	Maderia	L	11	1415	1423	1173	5754	
881217	C	274	2	Maderia	L	11	1405	1413	1187	4648	
881220	C	286	1	Maderia	L	11	1334	1342	1229	5754	
881221	B	291	1	Maderia	L	11	1507	1515	1244	5642	
881222	F	296	1	Maderia	L	11	1457	1504	1258	5394	
881223	B	300	1	Maderia	L	11	1447	1454	1272	5394	
881227	C	312	2	Maderia	L	11	1406	1414	1328	5394	
881228	C	315	2	Maderia	L	11	1356	1403	1342	5394	
881230	D	323	1	Maderia	L	11	1335	1344	1370	6114	
881231	A	1718	2	Maderia	L	11	1503	1515	1385	5394	
890107	C	340	1	Maderia	L	11	1356	1404	1482	5754	
890110	B	351	1	Maderia	L	11	1508	1515	1526	5394	
890111	D	355	2	Maderia	L	11	1458	1505	1540	5394	
890112	B	360	1	Maderia	L	11	1447	1455	1554	4594	
890113	D	365	1	Maderia	L	11	1437	1445	1568	5754	
890114	C	368	2	Maderia	L	11	1428	1435	1582	5394	
890120	C	393	2	Maderia	L	11	1508	1516	1667	5394	
890121	B	396	2	Maderia	L	11	1458	1505	1681	5394	
890122	B	400	2	Maderia	L	11	1447	1455	1695	5754	
890124	C	409	1	Maderia	L	11	1427	1435	1723	5754	
890125	C	414	1	Maderia	L	11	1417	1425	1737	5754	
890126	C	418	2	Maderia	L	11	1407	1414	1751	5394	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
890130	C	436	1	Maderia	L	11	1508	1516	1808	5394	
890131	C	439	1	Maderia	L	11	1457	1505	1822	5754	
990201	D	444	2	Maderia	L	11	1447	1455	1836	5754	
890203	B	451	3	Maderia	L	11	1426	1434	1864	5754	
890204	C	454	2	Maderia	L	11	1416	1424	1878	5754	
890209	C	477	3	Maderia	L	11	1508	1516	2949	5754	
890210	C	482	2	Maderia	L	11	1458	1505	1963	5394	
890211	C	486	2	Maderia	L	11	1447	1454	1977	5388	
890212	B	490	1	Maderia	L	11	1437	1445	1991	5754	
890213	D	495	2	Maderia	L	11	1427	1434	2005	5394	
890214	C	498	4	Maderia	L	11	1417	1422	2019	4000	
890219	D	516	1	Maderia	L	11	1507	1515	2090	5754	
890220	D	521	2	Maderia	L	11	1457	1505	2104	5754	
890501	D	819	2	Maderia	L	11	1452	1459	3091	4846	
890503	C	830	1	Maderia	L	11	1430	1438	3119	4820	
890504	C	835	1	Maderia	L	11	1421	1428	3133	4796	
890505	C	840	1	Maderia	L	11	1410	1417	3147	4786	
890509	B	862	2	Maderia	L	11	1511	1518	3204	4782	
890512	C	877	1	Maderia	L	11	1440	1447	3246	4844	
890513	C	882	2	Maderia	L	11	1429	1436	3260	4846	
880715	A	9001	1	Med Sea	L	10	744	749	9478	3754	880714
880918	B	9005	2	Med Sea	L	10	702	709	10416	4988	
880924	A	9014	2	Med Sea	L	10	653	700	10487	5190	
881002	B	5	1	Med Sea	L	10	719	726	10601	4938	
881015	B	50	1	Med Sea	L	10	554	601	10785	4970	
881019	B	59	3	Med Sea	L	10	748	755	10843	4988	
881029	A	96	1	Med Sea	L	10	548	555	10984	5004	
881030	B	101	1	Med Sea	L	10	707	714	10999	5020	
881031	A	103	3	Med Sea	L	10	634	652	11013	3888	
881109	B	139	1	Med Sea	L	10	649	656	11141	4836	
881115	A	160	1	Med Sea	L	10	759	807	11227	4678	
881117	B	167	1	Med Sea	L	10	652	659	11269	3376	
881126	A	193	2	Med Sea	L	10	718	725	11383	4798	
881127	A	196	1	Med Sea	L	10	655	702	11397	4788	
881201	B	213	1	Med Sea	L	10	708	714	11454	4174	
881202	B	216	1	Med Sea	L	10	646	652	11468	4306	
881206	B	232	2	Med Sea	L	10	659	704	11525	3866	
881207	A	234	1	Med Sea	L	10	636	642	11539	3498	
881208	C	241	1	Med Sea	L	10	614	621	11553	4792	
881210	B	248	1	Med Sea	L	10	711	718	11582	4172	
881210	D	250	2	Med Sea	L	10	649	656	11596	4684	
881215	C	267	1	Med Sea	L	10	701	709	11653	4768	
881216	B	270	1	Med Sea	L	10	640	645	11667	3802	
881220	C	286	3	Med Sea	L	10	652	659	11724	4830	
890102	A	328	1	Med Sea	L	10	707	713	11909	3800	
890103	B	331	2	Med Sea	L	10	644	651	11924	4772	
890106	B	336	3	Med Sea	L	11	1221	1230	1468	6468	
890107	B	339	1	Med sea	L	10	657	703	11980	4156	
890111	C	354	2	Med Sea	L	10	710	715	12043	3742	
890116	B	375	2	Med Sea	L	10	700	705	12108	3746	
890117	A	378	1	Med Sea	L	10	637	643	12122	3858	
890120	B	392	1	Med Sea	L	10	712	718	12165	3814	
890125	A	412	1	Med Sea	L	10	702	708	12236	3804	

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890126	B	417	3	Med Sea	L	11	856	905	1748	nr	
890129	B	432	1	Med Sea	L	10	715	720	12293	3826	
890130	B	435	1	Med Sea	L	10	652	658	12307	3804	
890131	A	437	3	Med Sea	L	10	630	635	12321	3720	
890202	D	449	3	Med Sea	L	10	704	710	12364	3814	
890207	C	467	1	Med Sea	L	10	716	722	12421	3518	
890208	B	470	1	Med Sea	L	10	654	700	12435	3692	
890212	B	490	2	Med Sea	L	10	706	712	12492	3806	
890213	B	493	1	Med Sea	L	10	644	650	12506	3802	
890217	C	507	2	Med Sea	L	10	656	702	12563	3804	
890221	A	523	1	Med Sea	L	10	708	714	12620	3802	
890222	B	526	1	Med Sea	L	10	646	652	12634	3802	
890226	B	542	3	Med Sea	L	10	658	704	12691	3804	
890227	A	544	1	Med Sea	L	10	636	641	12705	3704	890228
890228	C	551	2	Med Sea	L	10	751	800	12720	3844	
890302	B	560	1	Med Sea	L	10	710	715	12748	3686	
890303	B	563	1	Med Sea	L	10	648	653	12762	3922	
890307	A	578	1	Med Sea	L	10	700	705	12819	3814	
890309	C	590	2	Med Sea	L	10	615	620	12847	3566	
890313	B	607	1	Med Sea	L	10	627	633	12904	3508	
890317	C	622	2	Med Sea	L	10	639	644	12961	3646	
890325	B	661	2	Med Sea	L	10	703	708	13075	3784	
890326	B	664	1	Med Sea	L	10	640	646	13089	3692	
890329	B	680	1	Med Sea	L	10	714	720	13732	4162	
890403	A	687	1	Med Sea	L	10	652	657	13146	3622	
890404	C	694	2	Med Sea	L	10	641	647	13217	3892	
890407	C	713	2	Med Sea	L	10	715	721	13260	3788	
890408	B	718	2	Med Sea	L	11	653	658	13274	3058	
890417	B	747	3	Med Sea	L	10	653	659	13402	3728	
890421	B	768	1	Med Sea	L	10	705	711	13459	3842	
890426	C	792	3	Med Sea	L	10	654	700	13530	3800	bad file
890428	B	804	2	Med Sea	L	10	609	616	13558	4396	
890429	B	810	2	Med Sea	L	10	547	552	13572	3802	
890430	A	812	1	Med Sea	L	10	706	711	13587	3848	
890501	B	817	1	Med Sea	L	10	643	649	13601	3798	
890505	B	839	2	Med Sea	L	10	654	700	13658	3796	
890507	B	851	1	Med Sea	L	10	751	756	13687	3680	
890509	A	861	2	Med Sea	L	10	706	712	13715	3758	
890514	B	886	1	Med Sea	L	10	655	700	13786	3800	
890520	A	915	2	Med Sea	L	10	621	627	13871	3800	
890614	A	1037	2	Med Sea	L	10	707	712	14227	3680	
890619	B	1064	2	Med Sea	L	10	656	701	14298	3848	
890620	A	1068	1	Med Sea	L	10	633	639	14312	3876	
890623	B	1083	1	Med Sea	L	10	707	712	14355	3800	
890624	C	1088	1	Med Sea	L	10	644	650	14369	3706	
890628	B	1111	2	Med Sea	L	10	655	700	14426	3800	
890629	A	1115	2	Med Sea	L	10	633	638	14440	3874	bad file
890702	A	1128	1	Med Sea	L	10	706	712	14483	3814	
890703	A	1132	1	Med Sea	L	10	644	649	14497	3848	
890707	B	1151	1	Med Sea	L	10	655	700	14554	3738	
890711	A	1170	1	Med Sea	L	10	706	711	14611	3836	
890712	B	1176	2	Med Sea	L	10	643	649	14625	4052	
890716	C	1200	1	Med Sea	L	10	654	700	14682	3722	

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890721	B	1223	1	Med Sea	L	10	643	648	14753	3796	
890722	A	1228	1	Med Sea	L	10	620	626	14767	3724	
890729	A	1264	1	Med Sea	L	10	705	710	14867	3750	
890730	B	1270	1	Med Sea	L	10	642	648	14881	3788	
890803	C	1291	3	Med Sea	L	10	653	658	14938	3436	
890807	B	1312	2	Med Sea	L	10	704	709	14995	3800	
890808	B	1316	2	Med Sea	L	10	641	647	15009	3800	
890812	C	1341	2	Med Sea	L	10	652	659	15066	4424	
890816	B	1360	3	Med Sea	L	10	703	709	15123	3800	
890817	B	1364	2	Med Sea	L	10	641	646	15137	3800	
890821	B	1385	1	Med Sea	L	10	651	657	15194	3896	
890825	B	1412	1	Med Sea	L	10	702	708	15251	3742	
890826	A	1415	1	Med Sea	L	10	639	644	15265	3104	
890829	C	1433	3	Med Sea	L	10	713	718	15308	3800	
890830	B	1438	2	Med Sea	L	10	650	655	15322	3706	
890831	B	1443	1	Med Sea	L	10	628	633	15336	3756	
890903	A	1455	1	Med Sea	L	10	701	706	15379	3490	
890907	B	1474	2	Med Sea	L	10	712	717	15436	3802	
890908	B	1479	2	Med Sea	L	10	649	655	15450	3790	
890912	B	1501	1	Med Sea	L	10	700	705	15507	3536	
890913	B	1506	1	Med Sea	L	10	637	643	15521	3800	
890916	B	1520	1	Med Sea	L	10	1711	1716	15564	3782	
890921	C	1550	1	Med Sea	L	10	659	704	15363	3756	
890922	B	1556	1	Med Sea	L	10	636	641	15649	3760	
890925	B	1571	1	Med Sea	L	10	710	715	15692	3954	bad file
890926	A	1575	1	Med Sea	L	10	646	651	15706	3150	
890929	B	1591	2	Med Sea	L	10	538	544	15748	3802	
890929	A	9023	2	Med Sea	L	10	720	725	15749	3778	
890930	B	1597	1	Med Sea	L	10	657	702	15763	3800	
880920	A	1707	2	NE Pacific	L	9	122	132	19434	6920	
880920	C	1709	2	NE Pacific	L	10	1646	1655	10436	6252	
880920	C	1709	1	NE Pacific	L	10	1827	1836	10437	6280	
880921	B	1711	3	NE Pacific	L	9	111	121	19448	6958	
880928	A	1716	3	NE Pacific	L	9	135	145	19547	6890	
881001	A	1	3	NE Pacific	L	9	102	112	19589	7000	
881001	B	2	2	NE Pacific	L	10	1746	1755	10593	6244	
881002	D	7	2	NE Pacific	L	10	1724	1733	10607	6064	
881005	C	16	3	NE Pacific	L	10	1759	1808	10650	6244	
881008	A	22	2	NE Pacific	L	10	1715	1724	10678	6028	
881009	A	26	2	NE Pacific	L	10	1834	1843	10694	6258	
881009	D	29	3	NE Pacific	L	10	1812	1821	10707	6246	
881011	C	36	1	NE Pacific	L	10	1728	1737	10735	6206	
881012	B	38	1	NE Pacific	L	10	1706	1714	10749	4190	
881014	B	47	2	NE Pacific	L	10	1621	1631	10777	6188	
881015	C	51	3	NE Pacific	L	10	1706	1714	10792	6252	
881020	A	60	2	NE Pacific	L	10	1753	1802	10849	5812	
881021	D	68	2	NE Pacific	L	10	1709	1718	10877	6286	
881025	D	81	2	NE Pacific	L	10	1722	1781	10934	6268	
881026	D	85	1	NE Pacific	L	10	1840	1849	10949	6284	
881026	D	85	2	NE Pacific	L	10	1659	1708	10948	6270	
881027	C	90	1	NE Pacific	L	10	1819	1828	10963	6284	
881028	B	95	3	NE Pacific	L	10	1756	1805	10977	6260	

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881029	D	99	1	NE Pacific	L	10	1735	1743	10991	5754	
881030	C	102	3	NE Pacific	L	10	1712	1721	11005	6252	
881101	C	109	1	NE Pacific	L	10	1809	1818	11034	5756	
881101	D	110	1	NE Pacific	L	10	1629	1636	11033	4458	
881102	D	115	1	NE Pacific	L	10	1747	1756	11048	6282	
881104	B	122	1	NE Pacific	L	10	1844	1853	11077	6268	
881105	A	123	2	NE Pacific	L	10	1822	1831	11091	6252	
881106	B	127	2	NE Pacific	L	10	1800	1809	11105	2066	
881106	B	127	3	NE Pacific	L	10	1619	1628	11104	6246	
881109	C	140	2	NE Pacific	L	10	1655	1702	11147	5056	
881110	A	144	1	NE Pacific	L	10	1632	1641	11161	5736	
881112	A	152	1	NE Pacific	L	10	1729	1737	11190	5828	
881117	B	167	3	NE Pacific	L	10	1858	1907	11262	5978	
881118	C	171	1	NE Pacific	L	10	1656	1705	11275	6212	
881119	A	174	1	NE Pacific	L	10	1816	1825	11290	6280	
881120	B	176	2	NE Pacific	L	10	1754	1802	11304	5902	
881123	B	185	1	NE Pacific	L	10	1647	1656	11346	6176	
881125	A	188	3	NE Pacific	L	10	1625	1632	11360	5750	
881125	C	192	1	NE Pacific	L	10	1744	1753	11375	5866	
881127	C	198	1	NE Pacific	L	10	1659	1708	11403	6140	
881127	D	199	2	NE Pacific	L	10	1840	1849	11404	6234	
881129	B	206	1	NE Pacific	L	10	1757	1805	11432	6008	
881130	B	210	1	NE Pacific	L	10	1734	1743	11446	6256	
881201	C	214	1	NE Pacific	L	10	1713	1721	11460	5860	
881202	D	218	1	NE Pacific	L	10	1650	1652	11474	6044	
881203	C	223	2	NE Pacific	L	10	1628	1637	11488	6206	
881203	C	223	1	NE Pacific	L	10	1809	1818	11489	6286	
881204	D	228	3	NE Pacific	L	10	1747	1756	11503	5904	
881206	C	233	1	NE Pacific	L	10	1702	1712	11531	6278	
881207	D	237	1	NE Pacific	L	10	1640	1649	11545	6276	
881208	D	242	2	NE Pacific	L	10	1618	1627	11559	6284	
881209	D	246	2	NE Pacific	L	10	1737	1746	11574	6276	
881211	B	252	1	NE Pacific	L	10	1653	1702	11602	6278	
881211	C	253	1	NE Pacific	L	10	1834	1843	11603	6280	bad file
881213	C	259	2	NE Pacific	L	10	1750	1759	11631	5832	
881214	E	264	1	NE Pacific	L	10	1727	1737	11645	6254	
881215	D	268	1	NE Pacific	L	10	1706	1715	11659	6272	
881216	A	269	3	NE Pacific	L	10	1847	1856	11660	6286	
881216	C	271	1	NE Pacific	L	10	1643	1652	11673	6254	
881218	D	280	1	NE Pacific	L	10	1744	1749	11752	5860	
881220	D	287	1	NE Pacific	L	10	1656	1705	11730	6204	
881220	E	288	2	NE Pacific	L	10	1837	1846	11731	6276	
881221	D	292	2	NE Pacific	L	10	1815	1824	11745	6266	
881221	D	292	1	NE Pacific	L	10	1634	1643	11744	6290	
881223	D	301	1	NE Pacific	L	10	1730	1740	11773	6268	
881227	C	312	1	NE Pacific	L	10	1743	1752	11830	5766	
881228	D	316	1	NE Pacific	L	10	1721	1730	11844	6276	
881229	C	319	1	NE Pacific	L	10	1658	1707	1358	6278	
881230	A	320	3	NE Pacific	L	10	1840	1849	11859	6256	
881230	E	324	1	NE Pacific	L	10	1637	1646	11872	6148	
881230	F	325	2	NE Pacific	L	10	1818	1827	11873	6274	
890101	A	326	4	NE Pacific	L	10	1756	1805	11887	5990	
890103	C	332	1	NE Pacific	L	10	1830	1839	11930	6286	

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890106	B	336	2	NE Pacific	L	10	1723	1732	11972	6218	
890107	D	341	1	NE Pacific	L	10	1701	1710	11986	6248	
890107	E	342	2	NE Pacific	L	10	1842	1851	11987	6220	
890108	B	344	1	NE Pacific	L	10	1820	1829	12001	6202	
890108	B	344	2	NE Pacific	L	10	1639	1648	12000	nr	
890111	E	356	1	NE Pacific	L	10	1713	1723	12043	6278	
890112	B	360	2	NE Pacific	L	10	1651	1700	12057	6084	
890113	B	362	3	NE Pacific	L	10	1833	1842	12058	6252	
890113	C	364	1	NE Pacific	L	10	1629	1638	12071	6246	
890115	A	370	2	NE Pacific	L	10	1748	1758	12086	5894	
890115	C	372	1	NE Pacific	L	10	1726	1735	12100	6188	
890117	D	381	2	NE Pacific	L	10	1823	1832	12129	6202	
890117	D	381	1	NE Pacific	L	10	1641	1651	12128	6296	
890118	A	383	1	NE Pacific	L	10	1619	1628	12142	6232	
890118	B	384	1	NE Pacific	L	10	1801	1810	12143	5798	
890121	C	397	1	NE Pacific	L	10	1835	1844	12186	6278	
890122	C	401	1	NE Pacific	L	11	1631	1640	12199	6254	
890122	E	403	2	NE Pacific	L	10	1813	1822	12200	6278	
890125	C	414	2	NE Pacific	L	10	1706	1715	12242	6222	
890126	D	419	2	NE Pacific	L	10	1644	1653	12256	4474	
890127	D	424	1	NE Pacific	L	10	1621	1630	12270	6276	
890129	A	431	3	NE Pacific	L	10	1741	1750	12285	6280	
890201	E	445	2	NE Pacific	L	10	1753	1801	12342	5978	
890202	C	448	1	NE Pacific	L	10	1731	1739	12356	5766	
890202	D	449	1	NE Pacific	L	10	1911	1920	12357	6508	
890203	B	451	1	NE Pacific	L	10	1708	1717	12370	6276	
890204	D	455	1	NE Pacific	L	10	1646	1655	12384	6126	
890204	F	457	1	NE Pacific	L	10	1827	1836	12385	6274	
890205	A	458	1	NE Pacific	L	10	1624	1633	12398	5852	
890205	C	460	1	NE Pacific	L	10	1805	1813	12399	5292	
890207	D	468	2	NE Pacific	L	10	1720	1729	12427	6262	
890208	D	472	2	NE Pacific	L	10	1658	1707	12441	6278	
890209	C	477	1	NE Pacific	L	10	1636	1645	12455	3984	
890210	D	483	2	NE Pacific	L	10	1755	1804	12470	5442	
890211	D	487	2	NE Pacific	L	10	1733	1741	12484	5664	
890212	C	491	1	NE Pacific	L	10	1710	1719	12498	6270	
890214	C	498	2	NE Pacific	L	10	1625	1635	12526	6240	
890215	C	502	2	NE Pacific	L	11	2240	2247	2038	4836	
890216	B	504	1	NE Pacific	L	10	1722	1731	12555	6278	
890217	E	509	1	NE Pacific	L	10	1700	1709	2069	6054	
890218	A	510	3	NE Pacific	L	10	1841	1850	12570	6274	
890218	A	1719	2	NE Pacific	L	10	1638	1647	12583	6162	
890219	E	517	2	NE Pacific	L	10	1834	1840	2092	4308	
890222	C	527	1	NE Pacific	L	10	1650	1659	12640	6260	
890222	D	528	1	NE Pacific	L	10	1831	1840	12641	6270	
890223	B	530	2	NE Pacific	L	10	1809	1818	12655	6250	
890224	C	534	1	NE Pacific	L	10	1747	1755	12669	5862	
890226	C	543	2	NE Pacific	L	10	1702	1711	12697	6166	
890228	D	552	2	NE Pacific	L	10	1617	1626	12725	6284	
890228	E	553	2	NE Pacific	L	10	1759	1807	12726	5800	
890301	D	557	1	NE Pacific	L	10	1736	1745	12740	6288	
890302	C	561	1	NE Pacific	L	10	1714	1723	12754	6074	
890303	D	565	1	NE Pacific	L	10	1651	1702	12768	6122	

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890303	E	566	2	NE Pacific	L	10	1832	1842	12769	6274	
890304	C	569	2	NE Pacific	L	10	1629	1638	12782	6162	
890304	D	570	1	NE Pacific	L	10	1810	1819	12783	6224	
890305	B	573	1	NE Pacific	L	10	1748	1757	12797	6192	
890307	D	581	2	NE Pacific	L	10	1703	1712	12826	6278	
890308	C	585	1	NE Pacific	L	10	1641	1650	12839	6286	
890308	D	586	2	NE Pacific	L	10	1822	1832	12840	6274	
890309	D	591	1	NE Pacific	L	10	1619	1628	12853	6278	
890309	E	592	2	NE Pacific	L	10	1800	1809	12854	6060	
890310	E	598	1	NE Pacific	L	10	1738	1747	12868	6166	
890311	D	602	1	NE Pacific	L	10	1715	1724	12883	6272	
890312	B	605	2	NE Pacific	L	10	1653	1702	12896	6280	
890315	B	614	3	NE Pacific	L	10	1727	1736	12939	6176	
890316	C	619	1	NE Pacific	L	10	1705	1714	12953	6282	
890317	D	623	1	NE Pacific	L	10	1643	1652	12967	6250	
890317	E	624	2	NE Pacific	L	10	1824	1833	12968	6286	
890319	C	633	2	NE Pacific	L	10	1739	1748	12996	6272	
890322	D	648	1	NE Pacific	L	10	1814	1823	13039	6164	
890323	D	654	1	NE Pacific	L	10	1752	1800	13053	5940	
890324	C	658	1	NE Pacific	L	10	1729	1738	13067	6244	
890325	C	662	2	NE Pacific	L	10	1848	1857	13082	6276	
890326	C	665	1	NE Pacific	L	10	1644	1653	13095	6214	
890328	E	677	2	NE Pacific	L	10	1741	1749	13124	6058	
890329	D	682	2	NE Pacific	L	10	1718	1727	13138	6278	
890329	D	682	1	NE Pacific	L	10	1859	1908	13139	6470	
890402	B	686	1	NE Pacific	L	10	1730	1739	13195	6038	
890404	E	696	2	NE Pacific	L	10	1645	1654	13223	6222	
890405	C	700	1	NE Pacific	L	10	1622	1631	13237	6142	
890405	D	701	2	NE Pacific	L	10	1804	1813	3238	6268	
890406	D	708	3	NE Pacific	L	10	1742	1750	13252	5902	
890407	E	715	2	NE Pacific	L	10	1719	1728	13266	6228	
890409	B	724	2	NE Pacific	L	10	1634	1643	13294	6158	
890409	C	725	3	NE Pacific	L	10	1815	1824	13295	6276	
890411	C	734	3	NE Pacific	L	10	1731	1740	13323	5692	
890415	B	741	2	NE Pacific	L	10	1743	1751	13380	5732	
890418	E	755	2	NE Pacific	L	10	1635	1644	13422	5994	
890418	F	756	2	NE Pacific	L	10	1816	1825	12323	5870	
890420	D	765	1	NE Pacific	L	10	1732	1740	13451	5716	
890421	D	770	1	NE Pacific	L	10	1709	1718	13465	6258	
890422	C	774	1	NE Pacific	L	10	1647	1655	13479	6038	
890422	D	775	1	NE Pacific	L	10	1828	1837	13480	5882	
890534	C	779	2	NE Pacific	L	10	1624	1633	13493	6066	
890423	D	780	3	NE Pacific	L	10	1806	1814	13494	5786	
890425	B	788	2	NE Pacific	L	10	1720	1729	13522	6288	
890426	F	795	3	NE Pacific	L	10	1839	1848	13537	6268	
890427	D	800	2	NE Pacific	L	10	1636	1645	13550	6012	
890428	D	806	1	NE Pacific	L	10	1755	1803	13565	5842	
890430	C	814	1	NE Pacific	L	10	1709	1718	13593	6158	
890502	D	824	1	NE Pacific	L	10	1625	1634	13621	6102	
890502	E	825	1	NE Pacific	L	10	1805	1814	13622	6282	
890502	E	826	1	NE Pacific	L	10	2309	2318	13625	6440	
890503	D	831	1	NE Pacific	L	10	1743	1752	13636	6268	
890504	D	836	2	NE Pacific	L	10	1902	1911	6262	6262	

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890505	E	842	1	NE Pacific	L	10	1700	1709	13664	5420	
890505	F	843	2	NE Pacific	L	10	1839	1848	13665	4780	
890506	C	847	1	NE Pacific	L	10	1636	1645	13678	6040	
890506	D	848	3	NE Pacific	L	10	1818	1826	13679	5870	
890507	D	853	3	NE Pacific	L	10	1755	1804	13693	5788	
890509	C	863	1	NE Pacific	L	10	1710	1719	13721	6146	
890510	D	869	1	NE Pacific	L	10	1829	1838	13736	6216	
890512	D	878	1	NE Pacific	L	10	1745	1753	13764	5864	
890512	E	879	2	NE Pacific	L	10	1924	1933	13765	6648	
890514	D	889	3	NE Pacific	L	10	1840	1849	13793	6198	
890519	B	913	3	NE Pacific	L	10	1829	1838	13864	6278	
890521	B	922	2	NE Pacific	L	10	1745	1753	13892	5778	
890524	B	937	3	NE Pacific	L	10	1818	1827	13935	6254	
890525	A	942	2	NE Pacific	L	10	1756	1805	13949	6250	
890526	C	949	3	NE Pacific	L	10	1733	1742	13963	6256	
890528	A	957	2	NE Pacific	L	10	1829	1838	13992	6278	
890601	A	972	2	NE Pacific	L	11	2138	2142	3518	1984	
890603	A	979	1	NE Pacific	L	11	37	46	3548	6330	
890607	C	1001	2	NE Pacific	L	10	1807	1816	14134	6210	
890609	A	1013	2	NE Pacific	L	10	1722	1731	14162	6274	
890610	A	1018	2	NE Pacific	L	10	1840	1849	14177	6294	
890611	A	1022	2	NE Pacific	L	10	1818	1827	14191	6176	
890613	C	1033	1	NE Pacific	L	10	1734	1742	14219	5676	
890615	C	1044	2	NE Pacific	L	10	1648	1657	14247	6224	
890615	D	1045	3	NE Pacific	L	10	1829	1838	14248	3680	
890616	D	1050	2	NE Pacific	L	10	1625	1634	14261	6208	
890616	E	1051	3	NE Pacific	L	10	1807	1816	14262	5754	
890618	C	1061	2	NE Pacific	L	10	1722	1731	14290	6262	
890620	D	1071	1	NE Pacific	L	10	1818	1827	14319	6264	
890621	C	1075	2	NE Pacific	L	10	1614	1623	14332	6266	
890621	D	1076	3	NE Pacific	L	10	1756	1805	14333	5834	
890622	C	1080	1	NE Pacific	L	10	1734	1742	14347	5772	
890623	D	1085	3	NE Pacific	L	10	1710	1719	14361	6240	
890624	E	1090	3	NE Pacific	L	10	1648	1657	14375	6278	
890625	D	1095	1	NE Pacific	L	10	1807	1816	14390	6160	
890625	D	1095	3	NE Pacific	L	10	1626	1635	14389	6176	
890627	F	1108	1	NE Pacific	L	10	1722	1730	14418	6018	
890628	C	1112	1	NE Pacific	L	10	1659	1708	14432	6280	
890629	B	1117	1	NE Pacific	L	10	1636	1645	14446	6250	
890629	B	1117	2	NE Pacific	L	10	1818	1827	14447	6282	
890630	C	1122	2	NE Pacific	L	10	1755	1804	14461	5944	
890701	A	1125	1	NE Pacific	L	10	1733	1741	14475	5698	
890702	C	1130	3	NE Pacific	L	10	1710	1719	14489	6142	
890704	C	1138	2	NE Pacific	L	10	1806	1815	14518	6256	
890704	C	1138	1	NE Pacific	L	10	1625	1634	14517	6256	
890707	D	1153	1	NE Pacific	L	10	1840	1849	14561	4728	
890708	B	1157	1	NE Pacific	L	10	1636	1645	14574	6252	
890708	C	1158	3	NE Pacific	L	10	1817	1826	14575	6234	
890709	C	1163	3	NE Pacific	L	10	1755	1804	14589	5930	
890711	D	1173	2	NE Pacific	L	10	1710	1719	14617	6266	
890712	D	1178	2	NE Pacific	L	10	1647	1656	14631	6260	
890713	E	1184	2	NE Pacific	L	10	1624	1633	14645	6182	
890714	E	1190	2	NE Pacific	L	10	1743	1752	14660	6242	

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890715	E	1197	2	NE Pacific	L	10	1721	1730	14674	6270	
890716	D	1201	1	NE Pacific	L	10	1839	1848	14689	6276	
890718	E	1210	2	NE Pacific	L	10	1755	1803	14717	5898	
890719	C	1214	1	NE Pacific	L	10	1731	1740	14731	6222	
890720	D	1219	1	NE Pacific	L	10	1709	1718	14745	6232	
890721	D	1225	3	NE Pacific	L	10	1646	1655	14759	5582	
890722	B	1229	1	NE Pacific	L	10	1624	1633	14733	6256	
890723	E	1236	2	NE Pacific	L	10	1742	1751	14788	6130	
890725	A	1249	1	NE Pacific	L	10	1839	1848	14817	5958	
890726	C	1253	3	NE Pacific	L	10	1635	1644	14830	4362	
890727	E	1258	2	NE Pacific	L	10	1754	1802	14845	5978	
890728	C	1262	1	NE Pacific	L	10	1731	1740	14859	6276	
890729	C	1266	1	NE Pacific	L	10	1708	1717	14873	6286	
890730	C	1271	1	NE Pacific	L	10	1646	1655	14887	6274	
890802	D	1286	1	NE Pacific	L	10	1719	1728	14930	6240	
890803	E	1293	1	NE Pacific	L	10	1657	1706	14944	5828	
890803	F	1294	3	NE Pacific	L	10	1838	1847	14945	5666	
890804	E	1299	2	NE Pacific	L	10	1634	1643	14958	6186	
890804	E	1299	1	NE Pacific	L	10	1815	1824	14959	6278	
890805	C	1304	1	NE Pacific	L	10	1753	1802	14973	5890	
890806	C	1309	2	NE Pacific	L	10	1731	1740	14987	3418	
890808	C	1317	1	NE Pacific	L	10	1645	1654	15015	6064	
890808	D	1318	2	NE Pacific	L	10	1827	1835	15016	5858	
890809	D	1324	1	NE Pacific	L	10	1623	1632	15029	6264	
890809	E	1325	1	NE Pacific	L	10	1804	1813	15030	5916	
890810	E	1332	2	NE Pacific	L	10	1741	1750	15044	5780	
890811	D	1337	1	NE Pacific	L	10	1718	1727	15058	6284	
890812	E	1343	1	NE Pacific	L	10	1656	1705	15072	6152	
890813	D	1350	3	NE Pacific	L	10	1634	1642	15086	6068	
890813	D	1350	1	NE Pacific	L	10	1814	1823	15087	6234	
890816	C	1361	1	NE Pacific	L	10	1707	1717	15129	6858	
890817	C	1365	1	NE Pacific	L	10	1644	1654	15143	6972	
890818	D	1371	1	NE Pacific	L	10	1803	1812	15158	5762	
890819	C	1376	1	NE Pacific	L	10	1741	1750	15172	6326	
890820	C	1381	1	NE Pacific	L	10	1717	1727	15186	6550	
890822	E	1394	2	NE Pacific	L	10	1633	1642	15214	6736	
890822	F	1395	2	NE Pacific	L	10	1815	1824	15215	6410	
890823	E	1402	2	NE Pacific	L	10	1751	1801	15229	6596	
890825	C	1413	1	NE Pacific	L	10	1706	1715	15257	6488	
890826	C	1417	2	NE Pacific	L	10	1825	1834	15272	6040	
890826	C	1417	3	NE Pacific	L	10	1644	1653	15271	6530	
890827	C	1421	1	NE Pacific	L	10	1621	1631	15285	6990	
890827	E	1423	3	NE Pacific	L	10	1803	1812	15286	6422	
890830	D	1440	3	NE Pacific	L	10	1655	1704	15328	6446	
890830	D	1440	2	NE Pacific	L	10	1836	1845	15329	6426	
890831	D	1445	2	NE Pacific	L	10	1631	1641	15342	6728	
890901	E	1451	3	NE Pacific	L	10	1750	1800	15357	6770	
890902	A	1454	1	NE Pacific	L	10	1728	1737	15371	6416	
890903	B	1456	2	NE Pacific	L	10	1705	1714	15385	6332	
890905	C	1464	1	NE Pacific	L	10	1619	1629	15413	6918	
890905	D	1465	1	NE Pacific	L	10	1802	1811	15414	6420	
890906	E	1471	3	NE Pacific	L	10	1739	1748	15428	6548	
890907	D	1476	3	NE Pacific	L	10	1717	1726	15442	6416	

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890909	D	1485	1	NE Pacific	L	10	1631	1640	15470	6422	
890912	D	1503	1	NE Pacific	L	10	1704	1714	15513	6998	
890913	D	1508	1	NE Pacific	L	10	1641	1651	15527	6852	
890915	D	1517	2	NE Pacific	L	10	1737	1747	15556	6564	
890916	D	1522	3	NE Pacific	L	10	1715	1724	15570	6406	
890917	C	1526	1	NE Pacific	L	10	1652	1702	15584	6984	
890917	D	1527	2	NE Pacific	L	10	1833	1842	15585	6442	
890919	C	1539	2	NE Pacific	L	10	1748	1757	15613	6580	
890920	E	1545	1	NE Pacific	L	10	1726	1735	15627	6380	
890921	F	1553	1	NE Pacific	L	10	1703	1712	15641	6420	
890922	D	1558	2	NE Pacific	L	10	1821	1831	15656	7084	
890923	C	1563	2	NE Pacific	L	10	1617	1627	15669	6838	
890924	D	1568	2	NE Pacific	L	10	1735	1745	15684	7016	
890926	C	1577	1	NE Pacific	L	10	1650	1700	15712	6826	
890926	D	1578	3	NE Pacific	L	10	1831	1841	15713	6998	
890927	C	1581	1	NE Pacific	L	10	1628	1637	15726	6684	
890928	E	1588	3	NE Pacific	L	10	1747	1756	15741	6432	
890929	D	1593	1	NE Pacific	L	10	1723	1733	15755	7016	
890930	F	1601	1	NE Pacific	L	10	1843	1852	15770	6066	
890614	B	1039	3	NE Pacific	L	10	1711	1720	14233	6278	
890513	C	882	1	NW Atlantic	L	11	1614	1621	3261	4856	
890514	C	887	1	NW Atlantic	L	11	1604	1611	3275	4850	
890404	C	694	1	Oil Spill	H	11	1308	1313	2709	3576	
890405	B	699	2	Oil Spill	H	11	1258	1303	2723	3594	
890405	E	702	2	Oil Spill	H	11	2253	2258	2729	3594	
890406	C	707	2	Oil Spill	H	11	1248	1253	2737	3594	
890406	F	709	1	Oil Spill	H	11	2240	2247	2743	4422	
890407	B	712	3	Oil Spill	H	10	509	514	13259	3090	
890407	C	713	3	Oil Spill	H	11	1237	1243	2751	4308	
890407	F	716	2	Oil Spill	H	11	2230	2237	2757	4552	
890408	A	717	3	Oil Spill	H	10	445	453	13273	4128	
890408	B	718	3	Oil Spill	H	11	1227	1233	2765	4314	
890408	C	719	2	Oil Spill	H	11	1227	1233	2765	4314	
890408	E	721	3	Oil Spill	H	11	2219	2226	2771	4236	
890409	C	725	2	Oil Spill	H	11	2210	2217	2785	4814	
880907	A	1703	2	Persian Gulf	L	9	1208	1218	19256	6786	
880918	B	1705	1	Persian Gulf	L	9	1137	1147	19425	6790	
880920	B	1708	2	Persian Gulf	L	9	1126	1136	19439	6764	
880921	B	1711	2	Persian Gulf	L	9	1115	1125	19453	6714	
880923	A	1713	1	Persian Gulf	L	9	1235	1245	19482	6768	
881003	A	8	1	Persian Gulf	L	9	1226	1236	19623	6310	
881004	A	11	3	Persian Gulf	L	9	1215	1224	19637	6792	
881007	B	20	2	Persian Gulf	L	9	1142	1151	10672	5088	
881010	D	33	1	Persian Gulf	L	9	1251	1300	19722	6706	
881012	B	38	2	Persian Gulf	L	9	1228	1238	19750	6774	
881013	B	41	2	Persian Gulf	L	9	1217	1227	19764	6768	
881014	A	46	2	Persian Gulf	L	9	1206	1216	19778	6766	
881019	B	59	2	Persian Gulf	L	9	1110	1120	19848	2418	
881021	C	67	1	Persian Gulf	L	9	1230	1240	19877	6782	
881025	B	79	1	Persian Gulf	L	9	1146	1155	19933	6788	
881026	B	83	1	Persian Gulf	L	9	1135	1144	19947	6786	
881027	B	88	1	Persian Gulf	L	9	1123	1133	19962	7408	
881028	A	93	2	Persian Gulf	L	9	1112	1122	19976	5836	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
881031	A	103	1	Persian Gulf	L	9	1221	1231	20019	6688	
881101	A	107	1	Persian Gulf	L	9	1210	1219	20032	6786	
881102	C	114	2	Persian Gulf	L	9	1159	1208	20046	6794	
881103	A	118	1	Persian Gulf	L	9	1148	1157	20060	6776	
881104	A	121	1	Persian Gulf	L	9	1136	1146	20074	6792	
881107	A	131	1	Persian Gulf	L	9	1245	1255	20117	6806	
881108	B	135	2	Persian Gulf	L	9	1022	1032	635	7262	
881118	A	169	1	Persian Gulf	L	11	1024	1033	776	6542	
881121	A	177	1	Persian Gulf	L	11	953	1003	818	6680	
881125	A	188	1	Persian Gulf	L	11	913	922	873	2612	
881128	B	202	1	Persian Gulf	L	11	1024	1034	916	nr	
881129	C	208	1	Persian Gulf	L	11	1004	1014	944	6790	
881201	A	212	1	Persian Gulf	L	11	954	1004	959	6944	
881202	A	215	1	Persian Gulf	L	11	944	953	973	6862	
881205	A	229	1	Persian Gulf	L	11	913	923	1015	6758	
881206	A	231	1	Persian Gulf	L	11	909	913	1029	2406	
881207	A	234	2	Persian Gulf	L	11	853	903	1043	6764	
881208	A	239	1	Persian Gulf	L	11	843	852	1056	6764	
881209	C	245	3	Persian Gulf	L	11	1015	1025	1072	6678	
881212	A	254	1	Persian Gulf	L	11	945	954	1113	6788	
881214	A	260	1	Persian Gulf	L	11	924	934	1141	6948	
881215	B	266	2	Persian Gulf	L	11	914	924	1155	6834	
881216	B	270	2	Persian Gulf	L	11	904	914	1169	6788	
881219	A	281	1	Persian Gulf	L	11	1016	1025	1212	6790	
881220	A	284	1	Persian Gulf	L	11	1005	1015	1226	6788	
881221	A	289	1	Persian Gulf	L	11	956	1005	1240	6788	
881222	D	294	1	Persian Gulf	L	11	946	955	1255	6564	
881223	B	299	1	Persian Gulf	L	11	935	945	1269	6834	
881226	C	309	3	Persian Gulf	L	11	905	914	1311	6834	
881228	A	313	1	Persian Gulf	L	11	845	854	1339	4244	
881228	C	315	1	Persian Gulf	L	11	1627	1636	1340	6800	bad file
881229	A	317	1	Persian Gulf	L	11	1016	1026	1353	6782	
890103	A	330	1	Persian Gulf	L	11	926	935	1424	6774	
890104	A	333	1	Persian Gulf	L	11	916	925	1438	6642	
890109	B	347	1	Persian Gulf	L	11	1007	1017	1509	724	
890111	A	352	1	Persian Gulf	L	11	947	952	1537	6654	
890112	A	359	1	Persian Gulf	L	11	936	946	1550	6774	
890113	A	361	1	Persian Gulf	L	11	926	936	1564	6782	
890115	D	373	3	Persian Gulf	L	11	856	905	1606	2586	
890117	B	379	1	Persian Gulf	L	11	1028	1037	1622	6640	
890117	B	379	3	Persian Gulf	L	11	845	855	1621	6944	
890120	A	391	1	Persian Gulf	L	11	957	1007	1664	6984	
890123	A	404	1	Persian Gulf	L	11	926	936	1705	6774	
890124	A	407	1	Persian Gulf	L	11	916	925	1719	6770	
890125	A	412	2	Persian Gulf	L	11	906	916	1733	2598	
890126	B	417	2	Persian Gulf	L	10	640	645	12251	3658	
890127	C	423	1	Persian Gulf	L	11	1028	1037	1762	6790	
890130	A	434	1	Persian Gulf	L	11	957	1007	1805	6706	
890131	B	438	1	Persian Gulf	L	11	946	956	1818	6778	
890201	A	441	1	Persian Gulf	L	11	936	946	1832	6790	
890206	B	462	1	Persian Gulf	L	11	845	855	1903	6688	
890206	C	463	1	Persian Gulf	L	11	1027	1037	1904	6776	
890207	B	466	1	Persian Gulf	L	11	1017	1027	1918	6806	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
890208	B	470	2	Persian Gulf	L	11	1007	1017	1932	7018	
890209	A	474	1	Persian Gulf	L	11	957	1006	1945	6768	
890210	A	480	1	Persian Gulf	L	11	947	956	1959	6682	
890213	A	492	1	Persian Gulf	L	11	916	925	2001	6786	
890214	A	496	1	Persian Gulf	L	11	906	915	2016	6702	
890215	A	500	1	Persian Gulf	L	11	854	905	2030	7582	
890216	A	503	1	Persian Gulf	L	11	1027	1037	2044	6788	
890217	C	507	1	Persian Gulf	L	11	1017	1027	2058	6770	
890218	C	512	1	Persian Gulf	L	11	1007	1016	2073	6804	
890220	B	519	1	Persian Gulf	L	10	946	956	2100	6780	
890222	B	526	3	Persian Gulf	L	11	926	935	2120	6786	
890224	B	533	2	Persian Gulf	L	11	905	915	2156	6784	
890227	C	546	1	Persian Gulf	L	11	1016	1026	2199	7470	
890228	B	550	1	Persian Gulf	L	11	1006	1015	2213	6714	
890301	B	555	1	Persian Gulf	L	11	956	1005	2227	6790	
890303	B	563	2	Persian Gulf	L	11	935	945	2256	6776	
890306	A	574	1	Persian Gulf	L	11	904	914	2298	6804	
890307	B	579	2	Persian Gulf	L	11	854	904	2312	6774	
890308	B	584	2	Persian Gulf	L	11	1026	1036	2327	6678	
890309	B	589	1	Persian Gulf	L	11	1016	1026	2340	6834	
890310	B	595	1	Persian Gulf	L	11	1006	1015	2354	6778	
890313	B	607	3	Persian Gulf	L	11	935	944	2396	6788	
890314	B	611	1	Persian Gulf	L	11	924	934	2411	6834	
890317	B	621	1	Persian Gulf	L	11	853	903	2452	6594	
890322	A	645	1	Persian Gulf	L	11	944	954	2523	6782	
890323	A	651	1	Persian Gulf	L	11	934	943	2538	6762	
890324	A	656	1	Persian Gulf	L	11	922	933	2551	7464	
890327	B	668	1	Persian Gulf	L	11	852	902	2593	6782	
890328	B	674	2	Persian Gulf	L	11	842	851	2607	6768	
890329	B	680	2	Persian Gulf	L	11	1014	1023	2622	6780	
890404	B	693	1	Persian Gulf	L	11	912	921	2707	6654	
890405	B	699	1	Persian Gulf	L	11	421	441	2718	6706	
890406	C	706	4	Persian Gulf	L	11	851	900	2734	6790	
890407	B	712	1	Persian Gulf	L	11	841	850	2748	6584	
890407	C	713	1	Persian Gulf	L	11	1023	132	2749	4280	
890410	B	728	1	Persian Gulf	L	11	952	1001	2791	6792	
890411	A	732	1	Persian Gulf	L	11	939	951	2806	8070	
890412	A	736	1	Persian Gulf	L	11	925	940	2820	8010	
890416	A	743	1	Persian Gulf	L	11	847	859	2875	8074	
890418	B	752	1	Persian Gulf	L	11	1009	1021	2904	8078	
890420	B	763	3	Persian Gulf	L	11	948	959	2933	8048	
890421	A	767	1	Persian Gulf	L	11	937	949	2947	8054	
890424	A	782	1	Persian Gulf	L	11	906	918	2989	8010	
890425	A	787	1	Persian Gulf	L	11	856	907	3002	8068	
890426	B	791	1	Persian Gulf	L	11	846	857	3016	6272	
890426	C	792	2	Persian Gulf	L	11	1028	1039	3017	8076	
890427	B	798	2	Persian Gulf	L	11	1017	1029	3032	8046	
890501	A	816	1	Persian Gulf	L	11	936	947	3088	8054	
890502	A	821	1	Persian Gulf	L	11	925	937	3101	8078	
890503	A	827	2	Persian Gulf	L	11	915	926	3115	8052	
890504	C	835	2	Persian Gulf	L	11	904	916	3130	8063	bad sync
890505	B	839	3	Persian Gulf	L	11	854	905	3143	6638	
890510	A	865	1	Persian Gulf	L	11	944	956	3215	8088	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
890511	A	871	1	Persian Gulf	L	11	934	945	3228	8088	
890515	A	892	3	Persian Gulf	L	11	852	903	3284	5624	
890516	A	897	2	Persian Gulf	L	11	1024	1035	3300	8016	
890518	A	906	1	Persian Gulf	L	11	1003	1014	3327	8024	
890524	A	934	3	Persian Gulf	L	11	900	912	3412	8060	
890526	A	945	2	Persian Gulf	L	11	839	851	3439	6634	
890526	A	945	1	Persian Gulf	L	11	1022	1033	3440	7982	
890530	A	963	1	Persian Gulf	L	11	940	951	3496	8090	
890601	A	972	1	Persian Gulf	L	11	919	931	3525	8076	
890602	A	976	1	Persian Gulf	L	11	909	921	3538	8078	
890614	A	1037	3	Persian Gulf	L	11	845	857	3708	4844	
890614	A	1037	1	Persian Gulf	L	11	1027	1039	3709	8074	
890616	C	1049	3	Persian Gulf	L	11	1006	1018	3736	8080	
890620	F	1067	1	Persian Gulf	L	11	925	936	3793	8080	
890621	A	1073	1	Persian Gulf	L	11	914	926	3807	8042	
890622	B	1079	2	Persian Gulf	L	11	904	915	3820	8084	
890623	B	1083	2	Persian Gulf	L	11	853	905	3834	8078	
890626	B	1098	1	Persian Gulf	L	11	1004	1016	3877	4214	
890627	B	1104	1	Persian Gulf	L	11	953	1005	3891	8008	
890628	A	1110	1	Persian Gulf	L	11	943	954	3905	8088	
890703	A	1132	2	Persian Gulf	L	11	850	902	3976	8074	
890704	B	1137	2	Persian Gulf	L	11	1022	1033	3990	8072	
890706	A	1145	1	Persian Gulf	L	11	1001	1012	4019	8082	
890710	B	1166	1	Persian Gulf	L	11	919	930	4075	8078	
890711	A	1170	2	Persian Gulf	L	11	908	920	4089	8046	
890712	B	1176	1	Persian Gulf	L	11	858	909	4103	8032	
890713	D	1183	3	Persian Gulf	L	11	1029	1041	4117	8082	
890714	B	1187	1	Persian Gulf	L	11	1019	1030	4132	8080	
890717	A	1203	1	Persian Gulf	L	11	947	959	4173	8048	
890718	B	1207	1	Persian Gulf	L	11	937	948	4188	8006	
890719	A	1211	1	Persian Gulf	L	11	926	938	4202	8026	
890720	C	1218	1	Persian Gulf	L	11	916	927	4215	8018	
890721	B	1223	2	Persian Gulf	L	11	905	917	4230	8042	
890724	A	1239	1	Persian Gulf	L	11	1016	1027	4272	8050	
890727	B	1255	1	Persian Gulf	L	11	944	956	4315	8076	
890728	A	1260	1	Persian Gulf	L	11	934	945	4328	8076	
890731	A	1274	1	Persian Gulf	L	11	902	914	4371	8014	
890801	A	1279	1	Persian Gulf	L	11	852	903	4384	8072	
890802	B	1284	1	Persian Gulf	L	11	1023	1035	4399	8080	
890803	C	1291	1	Persian Gulf	L	11	1013	1024	4414	7906	
890804	A	1295	1	Persian Gulf	L	11	1002	1014	4428	8078	
890807	A	1311	1	Persian Gulf	L	11	931	942	4470	8084	
890808	B	1316	3	Persian Gulf	L	11	920	932	4484	8006	
890809	A	1321	1	Persian Gulf	L	11	910	921	4498	8040	
890810	A	1328	1	Persian Gulf	L	11	900	912	4511	8002	
890811	A	1334	1	Persian Gulf	L	11	849	900	4525	8072	
890811	C	1336	1	Persian Gulf	L	11	1031	1042	4526	8080	
890814	B	1353	1	Persian Gulf	L	11	959	1011	4568	8074	
890815	A	1356	1	Persian Gulf	L	11	949	1000	4583	7962	
890816	A	1359	1	Persian Gulf	L	11	938	950	4597	8084	
890817	A	1363	1	Persian Gulf	L	11	928	939	4611	8084	
890821	C	1386	2	Persian Gulf	L	11	1028	1040	4667	8086	
890821	C	1386	1	Persian Gulf	L	11	846	858	4666	8080	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
890822	B	1391	1	Persian Gulf	L	11	1017	1028	4681	8068	
890824	A	1405	1	Persian Gulf	L	11	955	1007	4709	7916	
890825	A	1411	1	Persian Gulf	L	11	945	957	4723	8080	
890828	B	1426	1	Persian Gulf	L	11	914	925	4766	8058	
890829	B	1432	1	Persian Gulf	L	11	903	915	4779	8064	
890830	A	1437	1	Persian Gulf	L	11	852	904	4793	8078	
890831	B	1443	2	Persian Gulf	L	11	1024	1036	4808	8064	
890901	C	1449	3	Persian Gulf	L	11	1013	1025	4823	8084	
890905	A	1462	1	Persian Gulf	L	11	931	943	4879	8082	
890906	C	1469	1	Persian Gulf	L	11	921	932	4893	8050	
890907	B	1474	1	Persian Gulf	L	11	910	922	4906	8084	
890908	A	1478	1	Persian Gulf	L	11	859	911	4921	7966	
890911	B	1495	1	Persian Gulf	L	11	1010	1021	4963	8062	
890912	A	1500	1	Persian Gulf	L	11	959	1011	4978	8080	
890913	A	1505	1	Persian Gulf	L	11	949	1000	4942	8042	
890915	A	1514	1	Persian Gulf	L	11	928	939	5019	8066	
890918	A	1530	2	Persian Gulf	L	11	857	909	5061	7882	
890919	B	1536	1	Persian Gulf	L	11	845	857	5075	8032	
890920	D	1544	2	Persian Gulf	L	11	1017	1028	5090	8082	
890921	A	1548	1	Persian Gulf	L	11	1007	1018	5105	8048	
890922	B	1556	2	Persian Gulf	L	11	956	1007	5118	8054	
890925	A	1570	1	Persian Gulf	L	11	924	935	5161	7856	
890926	A	1575	2	Persian Gulf	L	11	913	925	5175	8068	
890927	B	1580	1	Persian Gulf	L	11	903	914	5188	8072	
890928	A	1584	1	Persian Gulf	L	11	852	904	5203	5020	
890928	B	1585	2	Persian Gulf	L	11	1034	1046	5204	7962	
890929	A	1723	1	Persian Gulf	L	11	1024	1035	5218	8074	
890328	B	674	3	Philippne Is	L	11	842	851	2605	5548	
890124	E	411	1	So Cal	H	11	2116	2122	1727	2952	
890223	B	530	1	So Cal	H	11	2115	2122	2150	3600	
890225	C	539	1	So Cal	H	11	2055	2102	2178	4658	
890226	C	543	1	So Cal	H	11	2045	2052	2192	5012	
890227	E	548	1	So Cal	H	11	2035	2041	2206	4314	
890228	E	553	1	So Cal	H	11	2025	2030	2220	3954	
890305	B	573	2	So Cal	H	11	2116	2121	2291	3358	
890306	D	577	1	So Cal	H	11	2106	2112	2305	3734	
890307	D	581	1	So Cal	H	11	2055	2101	2319	4668	
890308	D	586	1	So Cal	H	11	2045	2052	2333	4200	
890309	E	592	1	So Cal	H	11	2033	2040	2347	5394	
890315	B	614	1	So Cal	L	11	2115	2120	2432	3544	
890317	E	624	1	So Cal	H	11	2054	2100	2460	4314	
890318	C	629	1	So Cal	H	11	2044	2050	2474	4262	
890319	C	633	1	So Cal	H	11	2033	2039	2488	4314	
890325	C	662	1	So Cal	H	11	2113	2119	2573	4056	
890327	E	671	1	So Cal	H	11	2054	2100	2601	4038	
890328	E	677	1	So cal	H	11	2042	2048	2615	4314	
890329	C	681	1	So Cal	H	11	2032	2039	2629	4674	
890405	D	701	1	So Cal	H	11	2102	2109	2728	4218	
890406	D	708	2	So Cal	H	11	2051	2057	2742	4314	
890407	E	715	1	So Cal	H	11	2042	2048	2756	4336	
890417	D	749	1	So Cal	H	11	2039	2046	2897	4674	
890418	F	756	1	So Cal	H	11	2029	2035	2911	4314	
890423	D	780	2	So Cal	H	11	2120	2125	2982	2228	

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890424	D	785	2	So Cal	H	11	2109	2115	2996	3586	
890426	F	795	2	So Cal	H	11	2049	2055	3024	4210	
890427	F	801	3	So Cal	H	11	2039	2045	3038	4316	
890503	D	831	2	So Cal	H	11	2116	2123	3123	3202	
890504	D	836	1	So Cal	H	11	2108	2114	3137	3414	
890505	F	843	1	So Cal	H	11	2057	2104	3151	4220	
890506	D	848	2	So Cal	H	11	2047	2053	3165	3890	
890507	D	853	2	So Cal	H	11	2037	2043	3179	4544	bad tape
890514	D	889	2	So Cal	H	11	2105	2111	3278	4242	
890515	C	895	1	So Cal	H	11	2055	2101	3292	4312	
890523	B	932	1	So Cal	H	11	2114	2120	3405	3388	
890524	B	937	2	So Cal	H	11	2104	2110	3419	3866	
890525	A	942	1	So Cal	H	11	2052	2059	3433	4674	
890526	C	949	2	So Cal	H	11	2043	2049	3447	4296	
890601	B	974	1	So Cal	H	11	2122	2127	3532	2178	
890602	B	978	1	So Cal	H	11	2111	2117	3546	3926	
890604	B	986	1	So Cal	H	11	2051	2057	3574	3816	
890607	A	998	2	So Cal	H	11	2030	2036	3602	4314	
890611	B	1023	3	So Cal	H	11	2120	2125	3673	3064	
890611	D	1025	2	So Cal	H	11	2110	2115	3687	3296	
890613	D	1034	2	So Cal	H	11	2059	2105	3701	3894	
890614	B	1039	2	So Cal	H	11	2049	2055	3715	3898	
890615	D	1045	2	So Cal	H	11	2039	2045	3729	4018	
890616	E	1051	2	So Cal	H	11	2028	2034	3743	4314	
890620	F	1067	3	So Cal	H	10	240	246	14310	3952	
890621	D	1076	2	So Cal	H	11	2117	2123	3814	3174	
890622	D	1081	2	So Cal	H	11	2106	2112	3828	3812	
890623	D	1085	1	So Cal	H	11	2057	2103	3842	3838	
890624	F	1091	2	So Cal	H	11	2046	2053	3856	3894	
890626	E	1101	1	So Cal	H	11	2023	2031	3884	5754	
890701	B	1126	2	So Cal	H	11	2115	2120	3955	3066	
890702	C	1130	1	So Cal	H	11	2104	2111	3969	3762	
890703	D	1135	2	So Cal	H	11	2054	2100	3983	3630	
890705	C	1143	2	So Cal	H	11	2034	2040	4011	5406	
890710	C	1168	1	So Cal	H	11	2122	2127	4082	2820	
890711	E	1174	2	So Cal	H	11	2112	2118	4096	2958	
890712	D	1178	3	So Cal	H	11	2102	2108	4110	3760	
890713	B	1181	2	So Cal	H	11	2051	2057	4124	3722	
890714	E	1190	1	So Cal	H	11	2041	2047	4138	4104	
890715	D	1196	3	So Cal	H	11	2031	2037	4152	3954	
890720	E	1220	2	So Cal	H	11	2118	2124	4223	3760	
890721	D	1225	1	So Cal	H	11	2108	2115	4237	4046	
890722	C	1230	1	So Cal	H	11	2059	2105	4251	3790	
890723	E	1236	1	So Cal	H	11	2047	2054	4265	4552	
890725	A	1249	2	So Cal	H	11	2027	2033	4293	3954	
890730	D	1272	1	So Cal	H	11	2116	2122	4364	3232	
890731	E	1278	1	So Cal	H	11	2106	2112	4378	3318	
890802	E	1287	2	So Cal	H	11	2045	2051	4406	4194	
890808	D	1318	1	So Cal	H	11	2124	2128	4491	2414	
890809	F	1326	2	So Cal	H	11	2113	2119	4505	3232	
890811	E	1338	2	So Cal	H	11	2052	2058	4533	4338	
890812	F	1344	1	So Cal	H	11	2042	2048	4547	4038	
890813	E	1351	3	So Cal	H	11	2032	2037	4561	3954	

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890819	D	1377	2	So Cal	H	11	2110	2116	4646	3558	
890820	D	1382	1	So Cal	H	11	2059	2106	4660	4180	
890821	F	1389	2	So Cal	H	11	2049	2055	4674	4216	
890822	F	1395	1	So Cal	H	11	2039	2045	4688	4086	
890823	E	1402	1	So Cal	H	11	2028	2034	4702	4674	
890828	C	1427	1	So Cal	H	11	2117	2123	4733	3018	
890828	E	1429	1	So Cal	H	11	2117	2123	4773	3018	
890829	E	1435	1	So Cal	H	11	2106	2113	4787	3954	
890830	D	1440	1	So Cal	H	11	2056	2102	4801	4234	
890831	E	1446	1	So Cal	H	11	2046	2052	4815	3900	
890901	E	1451	1	So Cal	H	11	2036	2042	4829	4230	
890906	E	1471	1	So Cal	H	11	2124	2129	4900	2614	
890907	D	1476	1	So Cal	H	11	2114	2119	4914	3166	
890908	D	1481	2	So Cal	H	11	2103	2109	4928	3886	
890911	E	1498	1	So Cal	H	11	2032	2038	4970	3954	
890916	D	1522	1	So Cal	H	11	2120	2126	5041	3228	
890919	C	1539	1	So Cal	H	11	2049	2055	5083	4180	
890926	D	1578	2	So Cal	H	11	2116	2122	5182	3452	
890927	D	1582	1	So Cal	H	11	2106	2112	5196	4140	
890928	E	1588	2	So Cal	H	11	2056	2102	5210	3398	
890929	E	1594	1	So Cal	H	11	2045	2051	5224	4330	
890818	E	1372	2	So Cal	H	11	2120	2126	4632	2378	
890920	F	1546	2	So Cal	H	11	2039	2045	5097	4070	
881016	D	55	2	Spitzburg		10	1503	1508	10819	2702	881017
880805	A	1702	1	W Atlantic	H	9	836	845	18789	6834	
880918	A	1704	1	W Atlantic	H	9	849	858	19424	6884	
880920	A	1707	1	W Atlantic	H	9	838	847	19438	6416	
880921	A	1710	1	W Atlantic	H	9	827	836	19452	6474	
880928	A	1716	1	W Atlantic	H	9	851	900	19551	6458	
881001	A	1	1	W Atlantic	H	10	1245	1252	10590	5034	
881001	A	1	2	W Atlantic	H	9	1000	1011	19594	6692	
881002	A	4	2	W Atlantic	H	9	807	815	19607	5732	
881005	A	14	3	W Atlantic	H	10	1257	1305	10647	5394	
881006	B	18	1	W Atlantic	H	9	904	913	19664	6114	
881007	A	19	1	W Atlantic	H	9	853	902	19678	6090	
881008	A	22	1	W Atlantic	H	9	842	852	19692	7162	
881009	A	26	1	W Atlantic	H	9	830	840	19706	7180	
881010	A	30	1	W Atlantic	H	9	820	828	19720	5754	
881011	A	34	1	W Atlantic	H	9	810	818	19734	5704	
881012	A	37	3	W Atlantic	H	10	1203	1213	10746	7194	
881013	A	40	1	W Atlantic	H	9	928	938	19763	6764	
881015	A	48	1	W Atlantic	H	9	907	915	19791	5748	
881016	A	52	1	W Atlantic	H	9	855	905	19805	6760	
881018	A	56	1	W Atlantic	H	9	834	841	19833	nr	
881019	A	58	1	W Atlantic	L	9	822	831	19847	6100	
881020	B	61	1	W Atlantic	H	9	953	1004	19867	7890	
881020	B	61	2	W Atlantic	H	9	811	820	19861	6090	
881021	B	66	2	W Atlantic	H	9	801	810	19875	6440	
881025	A	78	1	W Atlantic	H	9	857	957	19932	6832	
881026	A	82	1	W Atlantic	H	9	846	856	19946	7190	
881027	A	87	1	W Atlantic	H	9	835	844	19960	nr	
881029	B	97	2	W Atlantic	H	9	813	822	19988	6474	
881030	A	100	2	W Atlantic	H	9	802	811	20002	6408	

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881031	B	104	2	W Atlantic	H	9	933	941	20017	5702	
881108	A	133	1	W Atlantic	H	11	735	745	633	7194	
881122	A	180	2	W Atlantic	H	11	654	703	830	6472	
881201	A	212	2	W Atlantic	H	11	705	716	957	8274	
881202	A	215	2	W Atlantic	H	11	655	706	971	7890	
881204	A	225	1	W Atlantic	H	11	635	643	999	5394	
881205	A	229	2	W Atlantic	H	11	625	624	1013	6114	
881206	A	231	2	W Atlantic	H	11	615	623	1027	5754	
881207	A	234	3	W Atlantic	L	11	605	614	nr	6106	
881207	D	237	2	W Atlantic	H	11	1731	1737	1048	4674	
881208	A	239	2	W Atlantic	H	11	737	749	1055	8634	
881208	B	240	2	W Atlantic	H	11	555	604	1055	6474	
881209	A	243	1	W Atlantic	H	11	545	553	1069	5754	
881210	A	247	1	W Atlantic	H	11	718	727	1084	6834	
881210	A	247	2	W Atlantic	H	11	534	542	1083	5746	
881211	A	251	2	W Atlantic	H	11	707	717	1098	7554	
881212	A	254	2	W Atlantic	H	11	656	706	1112	6820	
881214	A	260	3	W Atlantic	H	11	636	645	1140	6470	
881215	A	265	2	W Atlantic	H	11	626	636	1154	7194	
881216	A	269	1	W Atlantic	H	11	616	624	1168	5754	
881217	A	272	2	W Atlantic	H	11	606	614	1182	5754	
881219	A	281	2	W Atlantic	H	11	728	740	1211	8994	
881219	B	282	1	W Atlantic	H	11	546	554	1210	5730	
881220	A	284	2	W Atlantic	H	11	717	731	1225	9714	
881220	B	285	1	W Atlantic	H	11	536	544	1224	5754	
881221	A	289	2	W Atlantic	H	11	707	718	1239	4172	
881222	B	293	1	W Atlantic	H	11	657	705	1253	5754	
881223	C	298	2	W Atlantic	H	11	647	655	1267	5738	
881224	A	302	1	W Atlantic	H	11	637	646	1281	6834	
881225	A	305	1	W Atlantic	H	11	627	635	1295	5754	
881226	A	307	2	W Atlantic	H	11	617	625	1309	5754	
881227	A	310	1	W Atlantic	H	11	607	615	1323	5754	
881228	A	313	2	W Atlantic	H	11	556	604	1337	5746	
881229	A	317	2	W Atlantic	H	11	729	742	1352	9354	
881229	B	318	1	W Atlantic	H	11	546	552	1351	4306	
881230	A	320	1	W Atlantic	H	11	538	545	1365	5016	
881230	B	321	1	W Atlantic	H	11	718	731	1366	9354	
881230	F	325	1	W Atlantic	H	11	708	719	1380	8200	
890101	B	327	2	W Atlantic	H	11	658	705	1394	5380	
890102	A	328	3	W Atlantic	H	11	648	655	1408	5028	
890103	A	330	2	W Atlantic	H	11	638	647	1422	6454	
890106	A	335	2	W Atlantic	H	11	608	615	1464	4666	
890107	A	338	1	W Atlantic	H	11	557	604	1478	5012	
890108	A	343	1	W Atlantic	H	11	548	556	1492	5744	
890109	A	346	1	W Atlantic	H	11	537	545	1506	5154	
890109	B	347	2	W Atlantic	H	11	720	733	1507	9266	
890110	A	350	1	W Atlantic	H	11	708	719	1521	8268	
890111	B	353	1	W Atlantic	H	11	658	709	1535	7904	
890111	D	355	1	W Atlantic	H	11	1823	1829	1542	4300	
890112	A	359	2	W Atlantic	H	11	648	657	1549	6456	
890112	B	360	3	W Atlantic	H	11	1814	1820	1556	3948	
890113	C	364	2	W Atlantic	H	11	1803	1809	1570	4656	
890114	A	366	2	W Atlantic	H	11	1248	1255	12083	5026	

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890114	C	368	1	W Atlantic	H	11	1754	1753	1584	3954	
890115	C	372	3	W Atlantic	H	11	1744	1750	1598	3946	
890116	A	374	1	W Atlantic	H	11	751	803	1606	8634	
890116	C	376	1	W Atlantic	H	11	1734	1740	1612	3938	
890116	D	377	1	W Atlantic	H	11	558	605	1619	5374	
890117	A	378	2	W Atlantic	H	11	740	754	1620	9626	
890117	C	380	1	W Atlantic	H	11	1724	1729	1626	3930	
890118	A	383	2	W Atlantic	H	11	1714	1719	1640	3938	
890119	B	388	2	W Atlantic	H	11	719	730	1648	7892	
890119	B	388	3	W Atlantic	H	11	538	545	1647	5000	
890119	C	389	1	W Atlantic	H	11	1704	1710	1654	4302	
890120	A	391	2	W Atlantic	H	11	708	720	1662	8274	
890120	C	393	1	W Atlantic	H	11	1834	1840	1669	4314	
890121	A	395	1	W Atlantic	H	11	658	710	1676	8188	
890121	B	396	1	W Atlantic	H	11	1824	1830	1683	4314	
890121	D	398	1	W Atlantic	H	11	648	658	1690	7192	
890122	B	400	1	W Atlantic	H	11	1635	1641	1696	4664	
890122	C	401	2	W Atlantic	H	11	nr	2000	1697	3944	
890123	A	404	2	W Atlantic	H	11	638	648	1704	7180	
890124	A	407	3	W Atlantic	H	11	628	638	1718	6822	
890124	D	410	1	W Atlantic	H	11	1754	1800	1725	4306	
890125	A	412	3	W Atlantic	H	11	618	627	1732	6818	
890125	C	414	3	W Atlantic	H	11	1744	1750	1739	4306	
890126	A	416	2	W Atlantic	H	11	608	616	1746	5744	
890126	C	418	1	W Atlantic	H	11	1734	1740	1753	4308	
890127	A	421	2	W Atlantic	H	11	557	606	1760	6098	
890127	A	421	1	W Atlantic	H	11	740	754	1761	9326	
890127	C	423	3	W Atlantic	H	11	1724	1730	1767	4298	
890128	A	426	1	W Atlantic	H	11	548	554	1774	4310	
890128	B	427	1	W Atlantic	H	11	729	743	1775	10022	
890128	D	429	1	W Atlantic	H	11	1714	1730	1781	4308	
890129	A	431	2	W Atlantic	H	11	538	545	1788	5382	
890129	A	431	1	W Atlantic	H	11	720	730	1789	7194	
890129	B	432	2	W Atlantic	H	11	1704	1710	1795	3950	
890130	A	434	2	W Atlantic	H	11	708	720	1803	8266	
890130	C	436	2	W Atlantic	H	11	1338	1345	1809	4312	
890131	A	437	1	W Atlantic	H	11	658	709	1817	7714	
890201	B	442	1	W Atlantic	H	11	648	659	1831	6728	
890201	D	444	1	W Atlantic	H	11	1813	1820	1838	4674	
890201	D	444	3	W Atlantic	H	11	1634	1640	1837	4304	
890202	A	446	2	W Atlantic	H	11	639	646	1845	5020	
890202	C	448	2	W Atlantic	H	11	1803	1810	1852	5034	
890203	A	450	1	W Atlantic	H	11	629	637	1859	6106	
890203	B	451	2	W Atlantic	H	11	1754	1800	1866	6276	
890204	C	454	1	W Atlantic	H	11	1744	1750	1880	4314	
890204	D	455	3	W Atlantic	H	11	607	615	1887	5720	
890205	A	458	3	W Atlantic	H	11	1734	1740	1894	4308	
890206	A	461	1	W Atlantic	H	11	740	753	1902	7084	
890206	B	462	2	W Atlantic	H	11	558	605	1901	5380	
890207	A	465	1	W Atlantic	H	11	730	743	1916	9614	
890207	A	465	2	W Atlantic	H	11	547	556	1915	6438	
890207	C	467	2	W Atlantic	H	11	1714	1719	1922	3930	
890208	A	469	2	W Atlantic	H	11	720	733	1930	9388	

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890208	B	470	3	W Atlantic	H	11	537	546	1929	6474	
890208	D	472	3	W Atlantic	H	11	1704	1709	1936	3946	
890209	B	475	3	W Atlantic	H	11	708	719	1944	7886	
890209	C	477	2	W Atlantic	H	11	1834	1840	1951	4298	
890210	A	480	2	W Atlantic	H	11	658	709	1958	7460	
890210	C	482	1	W Atlantic	H	11	1823	1829	1964	4288	
890211	A	484	2	W Atlantic	H	11	648	659	1972	6712	
890211	C	486	1	W Atlantic	H	11	1814	1819	1979	3924	
890212	A	489	2	W Atlantic	H	11	638	647	1986	6820	
890212	C	491	2	W Atlantic	H	11	1804	1810	1993	4300	
890213	A	492	2	W Atlantic	H	11	628	637	2000	6834	
890213	D	495	1	W Atlantic	H	11	1753	1800	2007	4674	
890214	A	496	3	W Atlantic	H	11	617	626	2014	6058	
890214	C	498	3	W Atlantic	H	11	1743	1749	2021	4672	
890215	A	500	3	W Atlantic	H	11	608	615	2028	5004	
890217	A	505	1	W Atlantic	H	11	728	740	2057	8274	
890217	B	506	1	W Atlantic	H	11	547	553	2056	4302	
890217	D	508	1	W Atlantic	H	11	1714	1720	2063	4314	
890218	B	511	2	W Atlantic	H	11	720	729	2071	6834	
890218	C	512	2	W Atlantic	H	11	537	545	2070	5394	
890218	A	1719	1	W Atlantic	H	11	1843	1850	2078	4088	
890219	B	514	1	W Atlantic	H	11	708	719	2085	7914	
890219	E	517	3	W Atlantic	H	11	1757	1805	12598	5854	
890220	B	519	2	W Atlantic	H	11	658	707	2099	6474	
890220	D	521	1	W Atlantic	H	11	1823	1830	2106	4674	
890222	A	525	1	W Atlantic	H	11	638	647	2127	6458	
890222	C	527	2	W Atlantic	H	11	1803	1810	2134	4670	
890223	A	529	3	W Atlantic	H	11	627	635	2141	5754	
890224	A	532	1	W Atlantic	H	11	800	810	2156	7194	
890224	A	532	3	W Atlantic	H	11	618	627	2155	6474	
890224	C	534	3	W Atlantic	H	11	1744	1749	2162	3942	
890225	A	536	2	W Atlantic	H	11	608	615	2169	5034	
890226	A	541	1	W Atlantic	H	11	740	750	2184	7194	
890226	A	541	2	W Atlantic	H	11	557	605	2183	5772	
890226	B	542	2	W Atlantic	H	11	1724	1729	2190	3954	
890227	B	545	1	W Atlantic	H	11	547	555	2197	5752	
890227	C	546	2	W Atlantic	H	11	730	740	2198	7194	
890227	E	548	2	W Atlantic	H	11	1714	1719	2204	3954	
890228	A	549	3	W Atlantic	H	11	537	543	2211	4674	
890228	A	549	1	W Atlantic	H	11	717	729	2212	8178	
890228	D	552	1	W Atlantic	H	11	1842	1849	2219	4674	
890301	D	557	2	W Atlantic	H	11	1833	1839	2233	nr	
890302	A	559	1	W Atlantic	H	11	657	708	2240	7520	
890302	C	561	2	W Atlantic	H	11	1823	1829	2247	4674	
890303	C	564	1	W Atlantic	H	11	647	657	2254	7176	
890303	D	565	3	W Atlantic	H	11	1813	1819	2261	4310	
890304	A	567	2	W Atlantic	H	11	637	646	2268	6814	
890304	B	568	1	W Atlantic	H	11	1803	1809	2275	4314	
890304	D	570	3	W Atlantic	H	10	1246	1255	12794	6110	
890305	A	572	2	W Atlantic	H	11	1753	1759	2289	4314	
890306	A	574	3	W Atlantic	H	11	616	625	2296	6114	
890306	C	576	1	W Atlantic	H	11	1743	1749	2303	4314	
890306	D	577	2	W Atlantic	H	11	606	614	2310	5744	

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890307	C	580	2	W Atlantic	H	11	1733	1739	2317	4308	
890308	A	582	2	W Atlantic	H	11	556	604	2324	5754	
890308	C	585	3	W Atlantic	H	11	1723	1728	2331	3930	
890309	A	588	2	W Atlantic	H	11	546	553	2338	5032	
890309	B	589	2	W Atlantic	H	11	727	739	2339	8274	
890309	D	591	2	W Atlantic	H	11	1713	1719	2345	4314	
890310	A	594	1	W Atlantic	H	11	536	544	2352	5750	
890310	B	595	2	W Atlantic	H	11	717	728	2353	7914	
890310	D	597	1	W Atlantic	H	11	1832	1849	2360	4674	
890310	D	597	3	W Atlantic	H	11	1703	1708	2359	3594	
890311	B	600	2	W Atlantic	H	11	707	718	2367	7874	
890311	C	601	1	W Atlantic	H	11	1653	1659	2373	4674	
890311	D	602	2	W Atlantic	H	11	1832	1839	2374	4674	
890312	A	604	2	W Atlantic	H	11	1643	1650	2387	5034	
890312	B	605	1	W Atlantic	H	11	1822	1829	2388	4674	
890313	A	606	1	W Atlantic	H	11	646	656	2395	6830	
890313	C	608	1	W Atlantic	H	11	1631	1637	2401	4216	
890313	D	609	1	W Atlantic	H	11	1812	1819	2402	4674	
890314	A	610	1	W Atlantic	H	11	636	644	2409	5744	
890315	A	613	3	W Atlantic	H	11	1752	1758	2430	3954	
890316	A	616	2	W Atlantic	H	11	616	625	2437	6824	
890316	A	616	1	W Atlantic	H	11	758	808	2438	7554	
890316	B	618	1	W Atlantic	H	11	1742	1748	2444	3954	
890317	A	620	1	W Atlantic	H	11	748	758	2452	7194	
890317	A	620	2	W Atlantic	H	11	603	613	2451	6810	
890317	D	623	2	W Atlantic	H	11	1733	1738	2458	3594	
890318	B	628	2	W Atlantic	H	11	1722	1728	2472	4314	
890319	A	631	2	W Atlantic	H	11	543	553	2479	6702	
890319	B	632	2	W Atlantic	H	11	1712	1718	2486	3954	
890319	C	633	3	W Atlantic	H	11	1851	1858	2487	5034	
890320	A	634	1	W Atlantic	H	11	533	541	2495	6438	
890320	C	638	1	W Atlantic	H	11	1841	1848	3501	4674	
890320	C	638	2	W Atlantic	H	11	1703	1708	2500	3594	
890322	A	645	2	W Atlantic	H	11	656	705	2522	6472	
890322	C	647	2	W Atlantic	H	11	1642	1649	2528	5034	
890322	D	648	2	W Atlantic	H	11	1822	1828	2529	4314	
890323	A	651	2	W Atlantic	H	11	645	654	2536	6106	
890323	C	653	1	W Atlantic	H	11	1631	1638	2542	4674	
890323	D	654	2	W Atlantic	H	11	1811	1817	2543	3954	
890324	A	656	3	W Atlantic	H	11	635	643	2550	5748	
890324	C	658	3	W Atlantic	H	11	1802	1807	2557	3954	
890325	A	660	2	W Atlantic	H	11	625	634	2566	6834	
890325	C	662	3	W Atlantic	H	11	1751	1757	2571	4674	
890326	B	664	2	W Atlantic	H	11	614	622	2575	5750	
890326	C	665	3	W Atlantic	H	11	1741	1747	2585	4290	
890327	A	667	2	W Atlantic	H	11	605	613	2592	5754	
890327	D	670	2	W Atlantic	H	11	1730	1736	2549	4674	
890328	A	673	3	W Atlantic	H	11	554	601	2606	4656	
890328	D	676	2	W Atlantic	H	11	1722	1727	2613	3594	
890329	A	679	2	W Atlantic	H	11	545	553	2620	5750	
890329	A	679	1	W Atlantic	H	11	725	736	2621	7914	
890329	C	681	2	W Atlantic	H	11	1850	1857	2628	5034	
890402	A	685	1	W Atlantic	H	11	1810	1816	2684	4312	

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890403	A	687	2	W Atlantic	H	11	535	543	2634	5748	
890403	B	688	2	W Atlantic	H	11	1700	1706	2641	4314	
890403	C	690	2	W Atlantic	H	11	1800	1806	2698	4314	
890404	A	692	1	W Atlantic	H	11	623	631	2705	5740	
890404	E	696	1	W Atlantic	H	11	1750	1756	2712	4312	
890405	A	698	1	W Atlantic	H	11	613	621	2719	5738	
890405	C	700	3	W Atlantic	H	11	1740	1746	2726	3304	
890406	A	704	2	W Atlantic	H	11	603	611	2733	6112	
890406	A	704	1	W Atlantic	H	11	744	755	2734	8274	
890406	C	706	1	W Atlantic	H	11	1729	1736	2740	4674	
890407	A	711	2	W Atlantic	H	11	553	601	2747	5382	
890407	A	711	1	W Atlantic	H	11	734	745	2748	6392	
890407	D	714	1	W Atlantic	H	11	1720	1725	2754	3954	
890407	E	715	3	W Atlantic	H	11	1859	1905	2755	4674	
890408	A	717	2	W Atlantic	H	11	543	551	2761	5394	
890408	D	720	2	W Atlantic	H	11	1710	1715	2768	3594	
890409	B	724	3	W Atlantic	H	11	1700	1706	2872	4664	
890410	A	727	1	W Atlantic	H	11	703	714	2790	7716	
890410	A	727	1	W Atlantic	H	11	703	714	2790	7716	
890410	C	729	1	W Atlantic	L	10	749	755	13303	3804	
890410	D	730	2	W Atlantic	H	11	1829	1835	2796	4674	
890410	D	730	1	W Atlantic	H	11	1649	1656	2796	5034	
890411	A	732	2	W Atlantic	H	11	653	703	2804	7168	
890411	C	734	2	W Atlantic	H	11	1829	1825	2811	4314	
890411	C	734	1	W Atlantic	H	11	1639	1646	2810	5034	
890412	A	736	3	W Atlantic	H	11	643	651	2818	6104	
890414	A	739	1	W Atlantic	H	11	622	632	2846	7194	
890415	A	740	1	W Atlantic	H	11	1737	1744	2867	5032	
890416	A	743	3	W Atlantic	H	11	602	610	2874	5795	
890416	B	744	1	W Atlantic	H	11	1728	1734	2881	4312	
890417	A	746	1	W Atlantic	H	11	553	602	2888	6474	
890417	C	748	2	W Atlantic	H	11	1718	1724	2895	9026	
890418	A	751	2	W Atlantic	H	11	542	553	2902	6402	
890418	E	755	3	W Atlantic	H	11	1707	1714	2907	5034	
890419	A	758	1	W Atlantic	H	11	712	723	2917	7866	
890420	A	762	2	W Atlantic	H	11	702	712	2931	7538	
890420	C	764	1	W Atlantic	H	11	1648	1655	2937	5024	
890421	A	767	2	W Atlantic	H	11	651	701	2945	7150	
890421	C	769	2	W Atlantic	H	11	1637	1644	2951	5010	
890421	D	770	2	W Atlantic	H	11	1817	1822	2952	3938	
890422	A	772	2	W Atlantic	H	11	641	650	2959	6808	
890422	C	774	2	W Atlantic	H	11	1807	1813	2966	4300	
890423	A	777	1	W Atlantic	H	11	630	639	2973	6092	
890423	B	778	1	W Atlantic	H	11	1757	1802	2980	3928	
890424	A	782	3	W Atlantic	H	11	620	628	2987	5732	
890424	C	784	1	W Atlantic	H	11	1747	1753	2994	4314	
890425	B	788	1	W Atlantic	H	11	1737	1743	3008	4304	
890426	A	790	2	W Atlantic	H	11	600	608	3015	6042	
890426	B	791	2	W Atlantic	H	11	741	752	7914	7914	
890426	E	794	1	W Atlantic	H	11	1726	1732	3022	4664	
890426	F	795	1	W Atlantic	H	11	1906	1912	3023	4314	
890427	A	797	3	W Atlantic	L	11	549	558	3029	6072	
890427	A	797	1	W Atlantic	H	11	731	742	3030	7554	

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890427	D	800	1	W Atlantic	H	11	1856	1902	3037	4674	
890428	A	803	2	W Atlantic	H	11	539	548	3043	6068	
890428	C	805	1	W Atlantic	H	11	1845	1852	3051	5022	
890428	C	805	2	W Atlantic	H	11	1706	1711	3050	3578	
890429	A	809	2	W Atlantic	H	11	710	721	3058	8246	
890430	A	812	3	W Atlantic	H	11	700	711	3072	7641	
890430	B	813	2	W Atlantic	H	11	1646	1654	3078	5732	
890430	C	814	2	W Atlantic	H	11	1835	1832	3079	4654	
890501	A	816	2	W Atlantic	H	11	649	659	3086	7530	
890501	D	819	3	W Atlantic	H	11	1636	1642	3092	4308	
890501	D	819	1	W Atlantic	H	11	1815	1821	3093	4670	
890502	A	821	2	W Atlantic	H	11	639	649	3100	7150	
890502	D	824	2	W Atlantic	H	11	1805	1811	3107	4664	
890503	A	827	1	W Atlantic	H	11	629	638	3114	6796	
890503	C	830	2	W Atlantic	H	11	1755	1801	3121	4656	
890504	A	833	2	W Atlantic	H	11	618	627	3128	6440	
890504	D	836	3	W Atlantic	H	11	1745	1751	3135	4304	
890505	A	838	3	W Atlantic	H	11	608	616	3142	5730	
890505	D	841	1	W Atlantic	H	11	1734	1740	3149	4670	
890506	A	845	2	W Atlantic	H	11	739	750	3157	7914	
890506	A	845	3	W Atlantic	H	11	558	606	3156	5740	
890506	C	847	2	W Atlantic	H	11	1724	1730	3163	4672	
890507	A	850	2	W Atlantic	H	11	547	556	3170	6456	
890507	A	850	1	W Atlantic	H	11	730	740	3171	7554	
890507	C	852	3	W Atlantic	H	11	1714	1720	3177	4294	write err
890507	C	852	1	W Atlantic	H	11	1854	1901	3178	5010	
890508	A	855	2	W Atlantic	H	11	537	546	3184	6458	
890509	B	862	3	W Atlantic	H	11	1654	1700	3205	4314	
890510	A	865	2	W Atlantic	H	11	658	709	3213	7514	
890510	C	868	1	W Atlantic	H	11	1644	1650	3219	4310	
890511	A	871	2	W Atlantic	H	11	648	657	3227	6436	
890511	C	873	2	W Atlantic	H	11	1814	1819	3234	3950	
890512	D	878	2	W Atlantic	L	11	1625	1636	3247	4738	
890512	D	878	3	W Atlantic	H	11	1803	1809	3248	4296	
890513	A	880	2	W Atlantic	H	11	626	635	3255	6072	
890514	A	885	3	W Atlantic	H	11	617	626	3269	6440	
890514	C	887	2	W Atlantic	H	11	1743	1749	3276	4272	write err
890520	A	915	3	W Atlantic	H	11	1641	1649	3360	5720	
890530	A	963	2	W Atlantic	H	11	654	703	3495	6448	
890603	A	979	2	W Atlantic	H	11	612	621	3551	6410	
890615	C	1044	3	W Atlantic	H	11	1716	1722	3727	4556	
890616	A	1047	2	W Atlantic	H	11	538	548	3734	7026	
890616	D	1050	1	W Atlantic	H	11	1845	1851	3742	4314	
890616	D	1050	3	W Atlantic	H	11	1706	1711	3741	3954	
890617	B	1054	1	W Atlantic	H	11	1656	1701	3755	3906	
890618	B	1060	1	W Atlantic	H	11	1825	1831	3770	4266	
890618	B	1060	3	W Atlantic	H	11	1646	1652	3769	4254	
890619	A	1063	2	W Atlantic	H	11	649	658	3777	6790	
890619	C	1065	2	W Atlantic	H	11	1636	1645	3783	5832	
890619	C	1065	1	W Atlantic	H	11	1815	1821	3784	4314	
890620	F	1067	2	W Atlantic	H	11	637	646	3791	6424	
890620	C	1070	2	W Atlantic	H	11	1804	1810	3798	4290	
890620	C	1070	1	W Atlantic	L	11	1626	1633	3797	5046	

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890621	A	1073	3	W Atlantic	H	11	627	636	3805	5332	
890621	C	1075	1	W Atlantic	L	11	1616	1623	3811	3142	
890621	C	1075	3	W Atlantic	H	11	1754	1800	3812	4672	
890622	A	1078	2	W Atlantic	H	11	617	627	3819	4774	
890622	C	1080	2	W Atlantic	H	11	1744	1750	3826	4656	
890623	B	1083	3	W Atlantic	H	11	607	615	3833	6076	
890623	C	1084	2	W Atlantic	H	11	1734	1740	3840	4314	
890623	C	1084	1	W Atlantic	L	11	1554	1602	3839	5250	
890624	B	1087	1	W Atlantic	H	11	556	605	3847	6474	
890624	D	1089	2	W Atlantic	L	11	1544	1552	3853	5278	
890624	D	1089	3	W Atlantic	H	11	1723	1729	3854	4648	
890625	B	1093	2	W Atlantic	H	11	544	554	3861	6134	
890625	C	1094	2	W Atlantic	H	11	1713	1719	3868	4296	
890625	D	1095	2	W Atlantic	H	11	1853	1859	3869	4674	
890626	A	1097	2	W Atlantic	H	11	534	544	3875	5984	
890626	D	1100	2	W Atlantic	H	11	1702	1709	3882	5016	
890626	D	1100	1	W Atlantic	H	11	1842	1849	3883	4674	
890627	E	1107	1	W Atlantic	H	11	1653	1700	3896	4994	
890627	F	1108	2	W Atlantic	H	11	1832	1839	3897	4674	
890628	A	1110	2	W Atlantic	H	11	656	706	3904	6800	
890628	C	1112	2	W Atlantic	H	11	1822	1828	3911	4292	
890628	C	1112	3	W Atlantic	H	11	1643	1650	3910	5034	
890629	D	1116	1	W Atlantic	L	11	1633	1641	3924	4918	
890629	D	1116	2	W Atlantic	H	11	1812	1318	3925	4314	
890630	B	1121	3	W Atlantic	H	11	1802	1808	3939	3954	
890630	B	1121	2	W Atlantic	L	11	1623	1630	3938	4652	
890701	A	1125	2	W Atlantic	L	11	1612	1620	3952	5706	
890701	A	1125	3	W Atlantic	H	11	1751	1757	3953	4314	
890702	A	1128	3	W Atlantic	H	11	615	623	3960	6114	
890702	B	1129	1	W Atlantic	H	11	1740	1747	3967	5034	
890703	B	1133	1	W Atlantic	H	11	604	613	3974	6454	
890703	C	1134	1	W Atlantic	L	11	1551	1559	3980	4984	
890703	C	1134	2	W Atlantic	H	11	1731	1737	3981	4290	
890705	A	1140	3	W Atlantic	H	11	543	552	4002	6474	
890705	C	1143	1	W Atlantic	H	11	1710	1717	4009	5392	
890707	A	1150	1	W Atlantic	H	11	704	713	4031	6818	
890707	C	1152	2	W Atlantic	H	11	1651	1658	4037	5034	
890707	D	1153	3	W Atlantic	H	11	1830	1836	4038	4263	
890707	D	1153	2	W Atlantic	L	11	1658	1707	4037	4846	
890708	B	1157	2	W Atlantic	H	11	1820	1826	4052	4314	
890708	B	1157	3	W Atlantic	H	11	1640	1647	4051	5032	
890709	A	1160	1	W Atlantic	H	11	643	652	4059	6472	
890709	B	1162	3	W Atlantic	H	11	1809	1816	4066	5034	
890709	B	1162	2	W Atlantic	L	11	1631	1638	4065	5168	
890710	A	1165	1	W Atlantic	H	11	632	641	4073	6472	
890710	C	1168	2	W Atlantic	L	11	1620	1630	4079	7052	
890711	A	1170	3	W Atlantic	H	11	621	630	4087	6474	
890711	C	1172	2	W Atlantic	H	11	1749	1755	4094	4304	
890711	C	1172	1	W Atlantic	L	11	1610	1617	4093	4778	
890712	A	1175	3	W Atlantic	H	11	611	620	4101	6464	
890712	C	1177	2	W Atlantic	H	11	1738	1744	4108	4648	
890712	C	1177	1	W Atlantic	L	11	1559	1607	4107	5288	
890713	C	1182	1	W Atlantic	H	11	601	610	4115	6426	

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890713	E	1184	3	W Atlantic	H	11	1728	1734	4122	4666	
890714	A	1186	2	W Atlantic	H	11	551	559	4129	5394	
890714	D	1189	1	W Atlantic	H	11	1718	1726	4136	5754	
890715	C	1195	1	W Atlantic	H	11	1708	1714	4150	4674	
890716	A	1198	3	W Atlantic	H	11	712	722	4158	7554	
890716	B	1199	2	W Atlantic	H	11	1658	1705	4164	5034	
890717	A	1203	2	W Atlantic	H	11	701	711	4172	7184	
890717	C	1205	2	W Atlantic	H	11	1648	1657	4178	6264	
890718	A	1206	1	W Atlantic	H	11	650	659	4186	6824	
890718	D	1209	1	W Atlantic	H	11	1817	1823	4193	4672	
890718	D	1209	2	W Atlantic	H	11	1637	1647	4192	6724	
890719	A	1211	2	W Atlantic	H	11	640	649	4200	6464	
890719	C	1214	3	W Atlantic	H	11	1806	1813	4207	5024	
890719	C	1214	2	W Atlantic	L	11	1628	1635	4206	5254	
890720	A	1216	1	W Atlantic	H	11	630	639	4214	6824	
890720	D	1219	3	W Atlantic	H	11	1756	1803	4221	4674	
890720	D	1219	2	W Atlantic	L	11	1617	1624	4220	4802	
890721	A	1222	2	W Atlantic	H	11	619	629	4228	7194	
890721	C	1224	2	W Atlantic	L	11	1607	1614	4892	4892	
890721	C	1224	3	W Atlantic	H	11	1746	1752	4674	4674	
890722	A	1228	2	W Atlantic	H	11	608	617	4242	6834	
890722	B	1229	2	W Atlantic	L	11	1556	1603	4248	4894	
890722	B	1229	2	W Atlantic	H	11	1735	1741	4249	4674	
890723	B	1233	1	W Atlantic	H	11	559	608	4256	6474	
890723	D	1235	3	W Atlantic	H	11	1725	1732	4263	5034	
890724	A	1239	2	W Atlantic	H	11	548	558	4270	7192	
890724	D	1242	1	W Atlantic	H	11	1715	1721	4277	4674	
890726	C	1253	2	W Atlantic	H	11	1654	1703	4305	6834	
890727	A	1254	1	W Atlantic	H	11	658	709	4313	7664	
890727	D	1257	1	W Atlantic	H	11	1644	1653	4319	6474	
890728	A	1260	2	W Atlantic	H	11	648	658	4327	7368	
890728	C	1262	3	W Atlantic	H	11	1812	1820	4334	5754	
890729	A	1264	3	W Atlantic	H	11	637	648	4341	7554	
890729	C	1266	3	W Atlantic	H	11	1802	1810	4348	5754	
890729	C	1266	2	W Atlantic	L	11	1625	1632	4347	5250	
890730	A	1269	1	W Atlantic	H	11	626	636	4355	7554	
890730	C	1271	3	W Atlantic	H	11	1752	1759	4362	5394	
890730	C	1271	2	W Atlantic	L	11	1614	1622	4361	5026	
890731	A	1274	2	W Atlantic	H	11	616	626	4369	7194	
890731	C	1276	1	W Atlantic	L	11	1604	1611	4375	4888	
890731	C	1276	2	W Atlantic	H	11	1742	1749	4376	5034	
890801	B	1280	2	W Atlantic	H	11	606	616	4383	7186	
890802	A	1283	3	W Atlantic	H	11	554	604	4397	6610	
890802	D	1286	3	W Atlantic	H	11	1722	1728	4404	3954	
890803	A	1289	2	W Atlantic	H	11	544	554	4411	6566	
890803	E	1293	2	W Atlantic	H	11	1711	1719	4418	5754	
890804	D	1298	2	W Atlantic	H	11	1701	1709	4432	5754	
890805	A	1302	2	W Atlantic	H	11	706	716	4440	7170	
890805	B	1303	2	W Atlantic	H	11	1652	1701	4446	6406	
890805	B	1303	1	W Atlantic	H	11	1830	1837	4447	5130	
890806	A	1306	1	W Atlantic	H	11	655	706	4454	7510	
890806	B	1308	3	W Atlantic	H	11	1640	1650	4460	7040	
890806	B	1308	1	W Atlantic	H	11	1821	1827	4461	4670	

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890807	A	1311	2	W Atlantic	H	11	644	655	4468	7548	
890807	C	1313	1	W Atlantic	H	11	1810	1817	4475	5034	
890808	A	1315	1	W Atlantic	H	11	634	644	4482	7194	
890808	C	1317	2	W Atlantic	H	11	1800	1806	4489	4674	
890809	A	1320	1	W Atlantic	H	11	623	633	4496	7554	
890809	D	1324	2	W Atlantic	H	11	1749	1756	4503	5394	
890809	E	1325	2	W Atlantic	L	11	1611	1619	4502	5130	
890810	B	1329	2	W Atlantic	H	11	613	623	4510	7194	
890810	D	1331	1	W Atlantic	L	11	1601	1608	4516	5112	
890810	D	1331	2	W Atlantic	H	11	1739	1746	4517	5034	
890811	B	1335	2	W Atlantic	H	11	601	612	4524	7856	
890811	D	1337	2	W Atlantic	L	11	1550	1558	4530	5254	
890811	D	1337	3	W Atlantic	H	11	1729	1735	4531	4674	
890812	B	1340	1	W Atlantic	H	11	551	601	4538	7476	
890812	E	1343	2	W Atlantic	H	11	1718	1725	4545	4674	
890813	A	1347	2	W Atlantic	H	11	541	551	4552	7116	
890813	C	1349	2	W Atlantic	H	11	1708	1715	4559	5034	
890815	A	1356	2	W Atlantic	H	11	702	713	4581	8274	
890815	B	1358	2	W Atlantic	H	11	1651	1700	4587	4818	
890815	B	1358	1	W Atlantic	H	11	1828	1835	4588	5034	
890816	A	1359	2	W Atlantic	H	11	651	701	4595	6814	
890816	C	1361	2	W Atlantic	H	11	1817	1824	4602	4674	
890816	C	1361	3	W Atlantic	H	11	1638	1649	4601	6652	
890817	A	1363	2	W Atlantic	H	11	641	651	4609	7194	
890817	C	1365	2	W Atlantic	H	11	1807	1814	4616	3608	
890818	A	1368	1	W Atlantic	H	11	631	641	4623	7192	
890818	C	1370	1	W Atlantic	H	11	1757	1803	4630	4674	
890818	D	1371	2	W Atlantic	L	11	1619	1626	4629	5204	
890819	A	1373	1	W Atlantic	H	11	621	631	4637	7192	
890819	C	1376	2	W Atlantic	L	11	1608	1616	4643	5572	
890819	C	1376	3	W Atlantic	H	11	1747	1753	4644	4314	
890820	A	1379	3	W Atlantic	H	11	609	620	4651	7866	
890820	C	1381	2	W Atlantic	H	11	1731	1742	4658	4314	
890821	B	1385	2	W Atlantic	H	11	559	609	4665	7194	
890821	E	1388	1	W Atlantic	L	11	1548	1556	4671	5754	
890821	E	1388	2	W Atlantic	H	11	1726	1733	4672	4544	
890822	A	1390	2	W Atlantic	H	11	550	600	4679	7156	
890822	E	1394	3	W Atlantic	H	11	1716	1722	4686	4314	
890823	A	1397	2	W Atlantic	H	11	539	549	4693	7090	
890823	D	1401	2	W Atlantic	H	11	1705	1712	4700	4674	
890824	B	1406	1	W Atlantic	H	11	1728	1734	4122	4666	
890824	C	1408	1	W Atlantic	H	11	1655	1703	4714	5754	
890824	D	1409	3	W Atlantic	H	11	1835	1841	4715	4332	
890825	A	1411	2	W Atlantic	H	11	659	709	4722	7194	
890825	C	1413	2	W Atlantic	H	11	1824	1831	4729	5034	
890825	C	1413	3	W Atlantic	H	11	1647	1656	4728	4858	
890826	A	1415	3	W Atlantic	H	11	649	659	4736	7152	
890826	C	1417	1	W Atlantic	L	11	1636	1644	4742	3776	
890827	A	1419	1	W Atlantic	H	11	637	648	4750	7534	
890827	C	1421	2	W Atlantic	H	11	1804	1810	4751	4674	
890827	D	1422	2	W Atlantic	L	11	1626	1633	4756	5240	
890828	A	1425	1	W Atlantic	H	11	627	637	4764	7554	
890828	D	1428	2	W Atlantic	H	11	1753	1800	4771	4674	

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890828	D	1428	1	W Atlantic	L	11	1615	1622	4770	5248	
890829	A	1431	2	W Atlantic	H	11	616	627	4778	7914	
890829	D	1434	1	W Atlantic	L	11	1604	1612	4784	5298	
890829	D	1434	2	W Atlantic	H	11	1742	1749	4785	4856	
890830	C	1439	2	W Atlantic	H	11	1732	1739	4799	4484	
890830	C	1439	1	W Atlantic	L	11	1554	1601	4798	5252	
890831	A	1442	2	W Atlantic	H	11	555	605	4806	7190	
890831	D	1445	3	W Atlantic	H	11	1723	1730	4813	4176	
890901	B	1448	2	W Atlantic	H	11	545	555	4820	6812	
890901	D	1450	3	W Atlantic	H	11	1711	1718	4827	5352	
890901	E	1451	2	W Atlantic	L	11	1715	1722	4827	4996	
890902	A	1454	1	W Atlantic	H	11	1841	1848	4842	5034	
890905	A	1462	2	W Atlantic	H	11	646	657	4877	7838	
890905	C	1464	2	W Atlantic	H	11	1808	1817	4884	6426	
890905	D	1465	2	W Atlantic	L	11	1633	1640	4883	5216	
890906	A	1467	1	W Atlantic	H	11	636	646	4891	6620	
890906	D	1470	1	W Atlantic	H	11	1758	1807	4898	6208	
890906	E	1471	4	W Atlantic	L	11	1622	1629	4897	3656	
890907	A	1473	2	W Atlantic	H	11	626	634	4905	5022	
890907	C	1475	1	W Atlantic	H	11	1748	1757	4912	5638	
890908	A	1478	3	W Atlantic	H	11	616	623	4919	4494	
890908	C	1480	2	W Atlantic	H	11	1739	1747	4926	4236	
890908	C	1480	1	W Atlantic	L	11	1601	1608	4925	5208	
890909	A	1482	2	W Atlantic	H	11	603	613	4933	7194	
890909	C	1484	2	W Atlantic	L	11	1550	1558	4939	5122	
890909	C	1484	3	W Atlantic	H	11	1729	1736	4940	5394	
890910	A	1488	3	W Atlantic	H	11	553	601	4947	5732	
890910	B	1490	1	W Atlantic	H	11	1720	1726	4954	4280	
890911	A	1494	2	W Atlantic	H	11	543	552	4961	6454	
890911	D	1497	1	W Atlantic	H	11	1707	1716	4968	6432	
890912	A	1500	2	W Atlantic	H	11	713	724	4976	7912	
890912	C	1502	2	W Atlantic	H	11	1657	1706	4982	6466	
890913	A	1505	2	W Atlantic	H	11	702	714	4990	8136	
890913	C	1507	1	W Atlantic	H	11	1646	1656	4996	6352	
890913	D	1508	2	W Atlantic	H	11	1828	1835	4997	5034	
890914	B	1511	1	W Atlantic	H	11	1638	1646	5010	5754	
890914	C	1512	1	W Atlantic	H	11	1817	1824	5011	5032	
890915	A	1514	2	W Atlantic	H	11	642	652	5018	7194	
890915	C	1516	2	W Atlantic	L	11	1629	1637	5024	5252	
890915	C	1516	3	W Atlantic	H	11	1807	1814	5025	5394	
890916	A	1519	1	W Atlantic	H	11	631	641	5032	7194	
890916	C	1521	1	W Atlantic	L	11	1619	1626	5038	5090	
890916	C	1521	2	W Atlantic	H	11	1757	1803	5039	4654	
890917	A	1524	1	W Atlantic	H	11	621	631	5046	7172	
890917	B	1525	1	W Atlantic	H	11	1746	1753	5053	5034	
890917	C	1526	2	W Atlantic	L	11	1608	1616	5052	5358	
890918	A	1529	3	W Atlantic	H	11	609	621	5060	8634	
890919	B	1536	2	W Atlantic	H	11	600	612	5074	7940	
890920	A	1541	3	W Atlantic	H	11	551	601	5088	6084	
890920	D	1544	1	W Atlantic	H	11	1715	1722	5095	5034	
890921	E	1552	1	W Atlantic	H	11	1704	1712	5109	5754	
890922	A	1555	2	W Atlantic	H	11	710	719	5117	6834	
890922	C	1557	1	W Atlantic	H	11	1834	1842	5124	5394	

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890427	D	800	1	W Atlantic	H	11	1856	1902	3037	4674	
890428	A	803	2	W Atlantic	H	11	539	548	3043	6068	
890428	C	805	1	W Atlantic	H	11	1845	1852	3051	5022	
890428	C	805	2	W Atlantic	H	11	1706	1711	3050	3578	
890429	A	809	2	W Atlantic	H	11	710	721	3058	8246	
890430	A	812	3	W Atlantic	H	11	700	711	3072	7641	
890430	B	813	2	W Atlantic	H	11	1646	1654	3078	5732	
890430	C	814	2	W Atlantic	H	11	1835	1832	3079	4654	
890501	A	816	2	W Atlantic	H	11	649	659	3086	7530	
890501	D	819	3	W Atlantic	H	11	1636	1642	3092	4308	
890501	D	819	1	W Atlantic	H	11	1815	1821	3093	4670	
890502	A	821	2	W Atlantic	H	11	639	649	3100	7150	
890502	D	824	2	W Atlantic	H	11	1805	1811	3107	4664	
890503	A	827	1	W Atlantic	H	11	629	638	3114	6796	
890503	C	830	2	W Atlantic	H	11	1755	1801	3121	4656	
890504	A	833	2	W Atlantic	H	11	618	627	3128	6440	
890504	D	836	3	W Atlantic	H	11	1745	1751	3135	4304	
890505	A	838	3	W Atlantic	H	11	608	616	3142	5730	
890505	D	841	1	W Atlantic	H	11	1734	1740	3149	4670	
890506	A	845	2	W Atlantic	H	11	739	750	3157	7914	
890506	A	845	3	W Atlantic	H	11	558	606	3156	5740	
890506	C	847	2	W Atlantic	H	11	1724	1730	3163	4672	
890507	A	850	2	W Atlantic	H	11	547	556	3170	6456	
890507	A	850	1	W Atlantic	H	11	730	740	3171	7554	
890507	C	852	3	W Atlantic	H	11	1714	1720	3177	4294	write err
890507	C	852	1	W Atlantic	H	11	1854	1901	3178	5010	
890508	A	855	2	W Atlantic	H	11	537	546	3184	6458	
890509	B	862	3	W Atlantic	H	11	1654	1700	3205	4314	
890510	A	865	2	W Atlantic	H	11	658	709	3213	7514	
890510	C	868	1	W Atlantic	H	11	1644	1650	3219	4310	
890511	A	871	2	W Atlantic	H	11	648	657	3227	6436	
890511	C	873	2	W Atlantic	H	11	1814	1819	3234	3950	
890512	D	878	2	W Atlantic	L	11	1625	1636	3247	4738	
890512	D	878	3	W Atlantic	H	11	1803	1809	3248	4296	
890513	A	880	2	W Atlantic	H	11	626	635	3255	6072	
890514	A	885	3	W Atlantic	H	11	617	626	3269	6440	
890514	C	887	2	W Atlantic	H	11	1743	1749	3276	4272	write err
890520	A	915	3	W Atlantic	H	11	1641	1649	3360	5720	
890530	A	963	2	W Atlantic	H	11	654	703	3495	6448	
890603	A	979	2	W Atlantic	H	11	612	621	3551	6410	
890615	C	1044	3	W Atlantic	H	11	1716	1722	3727	4556	
890616	A	1047	2	W Atlantic	H	11	538	548	3734	7026	
890616	D	1050	1	W Atlantic	H	11	1845	1851	3742	4314	
890616	D	1050	3	W Atlantic	H	11	1706	1711	3741	3954	
890617	B	1054	1	W Atlantic	H	11	1656	1701	3755	3906	
890618	B	1060	1	W Atlantic	H	11	1825	1831	3770	4266	
890618	B	1060	3	W Atlantic	H	11	1646	1652	3769	4254	
890619	A	1063	2	W Atlantic	H	11	649	658	3777	6790	
890619	C	1065	2	W Atlantic	H	11	1636	1645	3783	5832	
890619	C	1065	1	W Atlantic	H	11	1815	1821	3784	4314	
890620	F	1067	2	W Atlantic	H	11	637	646	3791	6424	
890620	C	1070	2	W Atlantic	H	11	1804	1810	3798	4290	
890620	C	1070	1	W Atlantic	L	11	1626	1633	3797	5046	

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881122	C	184	2	W Med Sea	L	11	1304	1310	848	4300	
881128	A	200	3	W Med Sea	L	10	814	821	11412	4770	
881129	A	205	3	W Med Sea	L	10	752	759	11426	4838	
881202	C	217	1	W Med Sea	L	11	1315	1322	975	5034	
881203	A	221	2	W Med Sea	L	10	805	812	11483	4846	
881204	B	226	2	W Med Sea	L	10	743	750	11497	4716	
881205	B	230	2	W Med Sea	L	10	721	726	11511	3698	
881209	B	244	2	W Med Sea	L	10	733	740	11568	4830	
881212	B	255	1	W Med Sea	L	10	808	14	11611	4150	
881213	A	257	1	W Med Sea	L	10	746	752	11625	3162	
881214	C	262	1	W Med Sea	L	10	724	729	11639	3756	
881217	C	274	1	W Med Sea	L	10	758	804	11682	3620	
881218	B	278	1	W Med Sea	L	10	736	743	11696	4832	
881221	A	290	2	W Med Sea	L	10	811	817	11738	4104	
881222	E	295	3	W Med Sea	L	10	749	754	11753	3682	
881223	B	300	2	W Med Sea	L	10	726	732	11767	3374	
881226	C	309	1	W Med Sea	L	10	801	807	11810	3574	
881227	B	311	3	W Med Sea	L	10	739	744	11824	3476	
881228	B	314	2	W Med Sea	L	10	717	722	11838	3658	
881230	D	323	3	W Med Sea	L	10	814	819	11867	3724	
890101	A	326	3	W Med Sea	L	10	729	735	11895	3674	
890109	C	348	1	W Med Sea	L	10	754	759	12009	3592	
890114	B	367	2	W Med Sea	L	10	744	750	12080	4112	
890115	B	371	1	W Med Sea	L	10	722	727	12094	3804	
890119	B	388	1	W Med Sea	L	10	735	740	12151	3800	
890122	A	399	2	W Med Sea	L	10	809	814	12194	3800	
890123	B	405	2	W Med Sea	L	10	747	752	12208	3744	
890124	B	408	2	W Med Sea	L	10	724	730	12222	3804	
890127	B	422	1	W Med Sea	L	10	759	804	12265	3786	
890131	C	439	2	W Med Sea	L	10	811	816	12322	3800	
890201	C	443	2	W Med Sea	L	10	749	754	12336	3802	
890205	B	459	2	W Med Sea	L	10	801	806	12393	3628	
890206	D	464	1	W Med Sea	L	10	739	744	12407	3832	
890209	B	475	2	W Med Sea	L	10	813	819	12450	3794	
890210	B	481	1	W Med Sea	L	10	751	756	12464	3694	
890211	B	485	2	W Med Sea	L	10	729	734	12478	3886	
890214	C	498	1	W Med Sea	L	10	803	808	12521	3552	
890215	B	501	2	W Med Sea	L	10	741	748	12535	4774	
890218	B	511	1	W Med Sea	L	10	815	821	12578	3866	
890219	C	515	2	W Med Sea	L	10	753	758	12592	3716	
890220	C	520	1	W Med Sea	L	10	730	736	12606	3966	
890225	B	538	1	W Med Sea	L	10	721	726	12677	3920	
890301	C	556	3	W Med Sea	L	10	732	738	12734	3722	
890304	B	568	2	W Med Sea	L	10	807	818	12777	3800	
890305	A	572	3	W Med Sea	L	10	744	750	12791	3862	
890310	C	596	2	W Med Sea	L	10	734	740	12862	2472	
890311	B	600	1	W Med Sea	L	10	712	717	12876	3762	
890314	C	612	1	W Med Sea	L	10	746	751	12919	2684	
890318	A	627	1	W Med Sea	L	10	758	803	12976	3704	
890322	B	646	2	W Med Sea	L	10	810	815	13033	3800	
890323	C	653	3	W Med Sea	L	10	747	753	13047	3716	
890324	B	657	1	W Med Sea	L	10	725	730	13061	3774	
890327	C	669	2	W Med Sea	L	10	759	805	13104	3754	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
890328	C	675	1	W Med Sea	L	10	737	742	13118	nr	
890401	A	683	1	W Med Sea	L	10	749	754	13175	3824	
890405	D	701	3	W Med Sea	L	10	800	805	13232	3644	
890406	C	706	2	W Med Sea	L	10	738	743	13246	3816	
890409	A	723	2	W Med Sea	L	10	811	817	13289	3802	
890411	B	733	3	W Med Sea	L	10	727	732	13317	3716	
890412	B	737	1	W Med Sea	L	10	704	710	13331	3712	
890418	D	754	1	W Med Sea	L	10	813	819	13417	4298	
890419	B	759	3	W Med Sea	L	10	750	755	13431	3778	bad file
890423	B	778	2	W Med Sea	L	10	801	807	13488	3666	
890424	B	783	1	W Med Sea	L	10	739	744	13502	3758	
890425	A	787	3	W Med Sea	L	10	716	722	13516	3872	
890427	B	798	1	W Med Sea	L	10	813	818	13545	3612	
890502	C	823	1	W Med Sea	L	10	802	807	13616	3798	
890504	B	834	3	W Med Sea	L	10	717	722	13644	3530	
890506	B	846	3	W Med Sea	L	10	813	819	13673	3798	
890508	B	857	1	W Med Sea	L	10	728	733	13701	3284	
890511	B	872	2	W Med Sea	L	10	802	808	13744	3918	
890512	B	876	1	W Med Sea	L	10	740	745	13758	3798	
890513	B	881	2	W Med Sea	L	10	718	723	13772	3896	
890515	A	892	2	W Med Sea	L	10	814	819	13801	3800	
890521	A	920	1	W Med Sea	L	10	740	746	13886	3750	
890522	A	925	2	W Med Sea	L	10	718	723	13900	3720	
890524	A	934	2	W Med Sea	L	10	814	820	13929	3730	
890526	B	946	2	W Med Sea	L	10	729	735	13957	3700	
890530	B	964	1	W Med Sea	L	10	740	745	14015	3234	
890608	C	1006	1	W Med Sea	L	10	741	746	14142	3954	
890612	A	1026	1	W Med Sea	L	10	752	757	14199	3812	
890613	B	1031	1	W Med Sea	L	10	729	735	14213	3692	
890616	C	1049	2	W Med Sea	L	10	803	808	14256	3798	
890617	B	1054	2	W Med Sea	L	10	741	746	14270	3796	
890618	A	1059	1	W Med Sea	?	10	718	723	14284	3778	
890621	B	1074	2	W Med Sea	L	10	752	757	14327	3712	
890625	C	1094	3	W Med Sea	L	10	803	808	14384	3574	
890626	C	1099	1	W Med Sea	L	10	741	746	14398	3928	
890627	C	1105	1	W Med Sea	L	10	718	723	14412	3814	
890630	A	1120	2	W Med Sea	L	10	751	757	14455	3712	
890704	B	1137	1	W Med Sea	L	10	802	808	14512	3668	
890705	B	1142	1	W Med Sea	L	10	740	745	14526	3834	
890708	A	1156	2	W Med Sea	L	10	814	820	14569	4314	
890713	D	1183	2	W Med Sea	L	10	802	807	14640	3796	
890714	C	1188	2	W Med Sea	L	10	740	745	14654	3382	
890715	A	1193	1	W Med Sea	L	10	717	722	14668	3800	
890717	B	1204	3	W Med Sea	L	10	813	818	14697	3800	
890718	C	1208	2	W Med Sea	L	10	750	756	14711	3774	
890719	B	1213	1	W Med Sea	L	10	728	733	14725	3810	
890723	C	1234	2	W Med Sea	L	10	739	744	14782	3786	
890724	C	1241	2	W Med Sea	L	10	716	722	14796	3802	
890726	B	1252	3	W Med Sea	L	10	812	818	14825	3792	
890727	C	1256	2	W Med Sea	L	10	750	755	14839	3812	
890728	B	1261	1	W Med Sea	L	10	727	733	14853	3758	
890802	B	1284	2	W Med Sea	L	10	716	721	14924	3804	
890804	C	1297	2	W Med Sea	L	10	812	817	14953	3632	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
890809	C	1323	1	W Med Sea	L	10	800	805	15024	3692	
890810	C	1330	1	W Med Sea	L	10	738	743	15038	3934	
890811	C	1336	2	W Med Sea	L	10	715	720	15052	3800	
890813	B	1348	2	W Med Sea	L	10	811	816	15081	3700	
890818	C	1370	2	W Med Sea	L	10	800	805	15152	3954	
890819	B	1375	2	W Med Sea	L	10	737	742	15166	3798	
890820	B	1380	2	W Med Sea	L	10	713	719	15180	3456	
890822	C	1392	3	W Med Sea	L	10	810	815	15209	3772	
890823	C	1400	1	W Med Sea	L	10	747	753	15223	3774	
890827	C	1421	3	W Med Sea	L	10	758	804	15280	3758	
890901	C	1449	1	W Med Sea	L	10	746	752	15351	3660	
890905	C	1464	3	W Med Sea	L	10	757	802	15408	2966	
890906	B	1468	2	W Med Sea	L	10	735	740	15472	3800	
890909	B	1483	3	W Med Sea	L	10	808	813	15465	3802	
890911	C	1496	2	W Med Sea	L	10	722	728	15493	3724	
890914	A	1510	2	W Med Sea	L	10	756	801	15536	3794	
890915	B	1515	1	W Med Sea	L	10	733	739	15550	3780	
890918	A	1530	1	W Med Sea	L	10	807	812	15593	3824	
890923	B	1561	2	W Med Sea	L	10	754	800	15664	3840	
890924	B	1566	1	W Med Sea	L	10	732	737	15678	3800	
890927	A	1579	1	W Med Sea	L	10	805	810	15721	3702	
890928	C	1586	1	W Med Sea	L	10	742	748	15735	3766	

SECTION A-2

TAPES STORED FROM: 01 OCT 1989 THROUGH 9 NOV 1989

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
891009	B	40	1	Atl/Gom	H	11	734	743	5357	6834	
891009	D	42	1	Atl/Gom	H	11	1858	1905	5364	4674	
891010	B	45	2	Atl/Gom	H	11	723	733	5371	7554	
891011	D	53	3	Atl/Gom	H	11	1837	1844	5392	5022	
891018	A	84	1	Atl/Gom	H	11	740	751	5484	6256	
891019	A	89	2	Atl/Gom	H	11	729	740	5498	7914	
891019	C	91	1	Atl/Gom	H	11	1853	1902	5505	6096	
891020	D	97	1	Atl/Gom	H	11	1843	1850	5519	5018	
891021	A	99	2	Atl/Gom	H	11	708	718	5526	7322	
891021	D	102	2	Atl/Gom	H	11	1833	1840	5533	5016	
891026	A	122	1	Atl/Gom	H	11	757	807	5597	7554	
891029	D	143	2	Atl/Gom	H	11	1849	1856	5646	5020	
891105	A	172	1	Atl/Gom	H	11	752	803	5738	7914	
891109	A	194	2	Atl/Gom	H	11	1834	1841	5801	5034	
891001	A	1	1	Barents Sea	L	11	1023	1030	5246	5098	
891005	A	20	3	Barents Sea	L	11	940	948	5302	5178	
891007	B	31	3	Barents Sea	L	11	919	927	5330	4076	
891009	C	41	2	Barents Sea	L	11	1040	1048	5359	5172	
891011	A	50	1	Barents Sea	L	11	1019	1026	5387	5180	
891015	B	72	1	Barents Sea	L	11	936	944	5443	5142	
891017	C	81	2	Barents Sea	L	11	915	923	5471	5198	
891019	B	90	1	Barents Sea	L	11	1036	1043	5500	5206	
891021	A	99	1	Barents Sea	L	11	1015	1022	5528	5208	
891026	B	124	1	Barents Sea	L	11	922	930	5598	5194	
891028	A	135	1	Barents Sea	L	11	1038	1046	5627	5692	
891004	D	19	1	Cent Pacific	L	10	2033	2042	15828	6398	
891005	D	23	2	Cent Pacific	L	10	1830	1840	15841	6782	
891005	E	24	1	Cent Pacific	L	10	2010	2017	15842	6398	
891006	E	29	1	Cent Pacific	L	10	1947	1957	15856	6772	
891006	E	29	2	Cent Pacific	L	10	2129	2138	15857	6590	
891007	D	33	1	Cent Pacific	L	10	1925	1934	15870	6578	
891007	E	34	2	Cent Pacific	L	10	2106	2115	15871	6766	
891008	C	37	3	Cent Pacific	L	10	1902	1911	15884	6430	
891008	D	38	2	Cent Pacific	L	10	2044	2053	15885	3892	
891010	E	48	1	Cent Pacific	L	10	1818	1828	15812	7016	
891011	F	55	1	Cent Pacific	L	10	2117	2126	15928	6394	
891011	F	55	2	Cent Pacific	L	10	1936	1945	15921	6412	
891013	A	64	1	Cent Pacific	L	10	1850	1859	15955	5372	
891013	B	65	1	Cent Pacific	L	10	2032	2041	15956	6290	
891014	D	69	1	Cent Pacific	L	10	1828	1838	15969	7006	
891014	E	70	2	Cent Pacific	L	10	2009	2018	15970	6432	
891015	D	74	1	Cent Pacific	L	10	1946	1955	15984	6304	
891015	E	75	1	Cent Pacific	L	10	2128	2138	15885	6378	
891018	D	87	3	Cent Pacific	L	10	1839	1849	16026	5792	
891018	E	88	2	Cent Pacific	L	10	2019	2028	16027	6250	
891019	D	92	1	Cent Pacific	L	10	1957	2006	16041	6588	
891019	E	93	2	Cent Pacific	L	10	2137	2147	16042	6822	
891020	E	98	3	Cent Pacific	L	10	2116	2124	16056	6070	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
891020	E	98	1	Cent Pacific	L	10	1934	1943	16055	5488	
891021	E	103	2	Cent Pacific	L	10	2053	2102	16070	6422	
891021	E	103	3	Cent Pacific	L	10	1911	1920	16069	6412	
891025	D	120	1	Cent Pacific	L	10	1922	1931	16126	6436	
891025	E	121	2	Cent Pacific	L	10	2103	2112	16127	6430	
891026	C	126	2	Cent Pacific	L	10	1859	1908	16140	6270	
891027	B	132	1	Cent Pacific	L	10	2159	2208	16156	6428	
891029	E	144	2	Cent Pacific	L	10	1932	1941	16183	6568	
891029	E	144	1	Cent Pacific	L	10	2113	2122	16184	6788	
891001	A	1	2	China Sea	L	11	503	511	5243	5204	
891007	A	30	1	China Sea	L	11	541	549	5328	5124	
891008	A	35	2	China Sea	L	11	531	538	5342	5208	
891009	A	39	1	China Sea	L	11	521	529	5356	5088	
891010	A	44	1	China Sea	L	11	510	517	5370	5208	
891011	A	50	2	China Sea	L	11	459	507	5384	5132	
891017	A	79	2	China Sea	L	11	537	545	5469	5208	
891019	B	90	2	China Sea	L	11	516	524	5497	5172	
891020	A	94	2	China Sea	L	11	506	513	5511	5204	
891026	A	122	2	China Sea	L	11	544	551	5596	5106	
891029	A	140	2	China Sea	L	11	512	519	5638	5212	
891006	A	25	1	E Med Sea	L	10	622	628	15848	3798	
891007	B	31	2	E Med Sea	L	10	600	605	15862	3744	
891008	A	35	1	E Med Sea	L	10	537	542	15876	3802	
891011	C	52	1	E Med Sea	L	10	610	616	15919	3898	
891012	B	57	2	E Med Sea	L	10	548	553	15933	3744	
891015	A	71	1	E Med Sea	L	10	621	626	15976	3772	
891016	A	76	1	E Med Sea	L	10	558	604	15990	3730	
891017	A	79	1	E Med Sea	L	10	535	541	16004	3800	
891020	B	95	1	E Med Sea	L	10	609	614	16047	3796	
891021	B	100	2	E Med Sea	L	10	546	551	16061	3778	
891029	B	141	2	E Med Sea	L	10	607	612	16175	3794	
891001	C	3	1	Giuk Gap	L	11	1527	1535	5249	5318	
891004	B	17	3	Giuk Gap	L	11	1455	1502	5291	5228	
891005	B	21	1	Giuk Gap	L	11	1302	1309	5304	5020	
891006	D	28	2	Giuk Gap	L	11	1433	1441	5319	5578	
891007	B	31	1	Giuk Gap	L	11	1236	1247	5332	6820	
891009	C	41	1	Giuk Gap	L	11	1402	1403	5361	5188	
891010	D	47	2	Giuk Gap	L	11	1351	1358	5375	5166	
891011	C	52	3	Giuk Gap	L	11	1340	1348	5389	5200	
891014	B	67	1	Giuk Gap	L	11	1308	1316	5431	5100	
891015	D	74	3	Giuk Gap	L	11	1440	1447	5446	4864	
891016	A	76	2	Giuk Gap	L	11	1247	1255	5459	5146	
891017	C	81	1	Giuk Gap	L	11	1236	1244	5473	5694	
891018	B	85	1	Giuk Gap	L	11	1408	1415	5488	5108	
891020	C	96	2	Giuk Gap	L	11	1530	1537	5517	5244	
891021	B	100	1	Giuk Gap	L	11	1336	1344	5530	5164	
891022	B	105	2	Giuk Gap	L	11	1508	1515	5545	5158	
891023	A	110	1	Giuk Gap	L	11	1315	1322	5558	5126	
891024	B	115	3	Giuk Gap	L	11	1304	1312	5572	5160	
891025	B	118	1	Giuk Gap	L	11	1253	1301	5586	5194	
891026	B	124	2	Giuk Gap	L	11	1239	1247	5600	5754	
891027	A	130	3	Giuk Gap	L	11	1414	1422	5615	5174	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
891028	A	135	2	Giuk Gap	L	11	1220	1228	5628	5684	
891029	C	142	1	Giuk Gap	L	11	1535	1544	5644	5578	
891105	B	174	2	Giuk Gap	L	11	1420	1427	5742	5016	
891013	A	64	2	Gomex	H	11	1957	2000	5421	2514	
891003	C	14	1	Kuroshio	L	10	2237	2246	15815	6430	
891005	E	24	2	Kuroshio	L	10	2152	2201	15843	6426	
891007	E	34	1	Kuroshio	L	10	2248	2257	15872	6432	
891008	D	38	1	Kuroshio	L	10	2225	2234	15886	6474	
891009	E	43	1	Kuroshio	L	10	2203	2212	15900	6236	
891010	F	49	1	Kuroshio	L	10	2321	2330	15915	6438	
891014	E	70	1	Kuroshio	L	10	2151	2200	15971	6274	
891016	C	78	1	Kuroshio	L	10	2246	2255	16000	6430	
891017	E	83	1	Kuroshio	L	10	2223	2232	16014	6424	
891018	E	88	1	Kuroshio	L	10	2201	2210	16028	6474	
891019	E	93	1	Kuroshio	L	10	2319	2328	16043	6436	
891021	E	103	1	Kuroshio	L	10	2234	2243	16071	6438	
891022	D	108	1	Kuroshio	L	10	2211	2220	16085	6440	
891023	C	112	1	Kuroshio	L	10	2149	2158	16099	6418	
891024	C	116	2	Kuroshio	L	10	2307	2316	16114	6054	
891025	E	121	1	Kuroshio	L	10	2244	2253	16128	6416	
891028	C	138	1	Kuroshio	L	10	2317	2326	16171	6436	
891029	F	145	1	Kuroshio	L	10	2255	2304	16185	6434	
891020	D	97	2	Maderia	L	11	1516	1527	5517	8084	
891021	C	101	1	Maderia	L	11	1506	1514	5531	5748	
891022	B	105	1	Maderia	L	11	1457	1505	5545	5754	
891001	B	2	1	Med Sea	L	10	634	640	15777	3800	
891005	A	20	1	Med Sea	L	10	645	650	15834	3800	
891009	C	41	3	Med Sea	L	10	656	701	15891	3884	
891010	C	46	1	Med Sea	L	10	633	638	15905	3760	
891014	A	66	1	Med Sea	L	10	644	649	15962	3810	
891018	A	84	3	Med Sea	L	10	654	659	16019	3800	
891022	A	104	2	Med Sea	L	10	704	710	16076	3802	
891023	A	110	2	Med Sea	L	10	642	647	16090	3802	
891003	B	13	1	NE Pacific	L	10	1735	1744	15812	6370	
891004	C	18	1	NE Pacific	L	10	1711	1721	15826	7006	
891005	C	22	1	NE Pacific	L	10	1649	1659	15840	6996	
891006	C	27	1	NE Pacific	L	10	1626	1636	15854	6982	
891007	D	33	2	NE Pacific	L	10	1745	1754	15869	6542	
891008	C	37	2	NE Pacific	L	10	1723	1732	15883	6372	
891010	D	47	1	NE Pacific	L	10	1636	1646	15911	6850	
891011	D	53	1	NE Pacific	L	10	1614	1624	15925	7008	
891011	E	54	1	NE Pacific	L	10	1756	1805	15926	6616	
891014	C	68	1	NE Pacific	L	10	1647	1657	15968	6996	
891017	D	82	1	NE Pacific	L	10	1720	1730	16011	7006	
891018	D	87	1	NE Pacific	L	10	1658	1708	16025	6996	
891019	D	92	3	NE Pacific	L	10	1816	1826	16040	6866	
891020	C	96	1	NE Pacific	L	10	1612	1622	16053	6988	
891020	E	98	2	NE Pacific	L	10	1754	1803	16054	6408	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
891021	D	102	1	NE Pacific	L	10	1731	1741	16068	6986	
891022	C	106	1	NE Pacific	L	10	1708	1718	16082	7006	
891024	B	115	1	NE Pacific	L	10	1623	1633	16110	6942	
891025	D	120	3	NE Pacific	L	10	1741	1751	16125	6846	
891026	C	126	3	NE Pacific	L	10	1719	1728	16139	6618	
891028	B	136	2	NE Pacific	L	10	1814	1824	16168	6992	
891029	D	143	1	NE Pacific	L	10	1752	1801	16182	6886	
891109	A	194	1	NE Pacific	L	10	1704	1714	16338	6948	
891004	A	15	1	Persian Gulf	L	11	930	942	5287	8018	
891005	A	20	2	Persian Gulf	L	11	920	931	5302	6688	
891006	B	26	1	Persian Gulf	L	11	909	921	5316	4628	
891009	B	40	2	Persian Gulf	L	11	1020	1031	5359	8084	
891010	B	45	1	Persian Gulf	L	11	1009	1020	5373	7920	
891011	B	51	1	Persian Gulf	L	11	958	1010	5387	8016	
891012	A	56	1	Persian Gulf	L	11	948	959	5400	8076	
891016	A	76	3	Persian Gulf	L	11	905	917	5456	8084	
891017	B	80	1	Persian Gulf	L	11	1037	1048	5472	8078	
891017	B	80	2	Persian Gulf	L	11	855	907	5471	8018	
891019	A	89	1	Persian Gulf	L	11	1015	1027	5499	8078	
891020	A	94	1	Persian Gulf	L	11	1005	1016	5513	8060	
891025	A	117	1	Persian Gulf	L	11	911	923	5584	8046	
891005	D	23	1	So Cal	H	11	2123	2128	5309	3002	
891006	D	28	1	So Cal	H	11	2113	2118	5323	3472	
891008	C	37	1	So Cal	H	11	2053	2059	5351	3286	
891009	E	43	2	So Cal	H	11	2042	2048	5365	3878	
891015	D	74	2	So Cal	H	11	2119	2125	5450	3040	
891016	C	78	2	So Cal	H	11	2109	2115	5464	3656	
891018	D	87	2	So Cal	H	11	2048	2054	5492	3886	
891019	D	92	2	So Cal	H	11	2037	2042	5506	3954	
891024	C	116	1	So Cal	H	11	2125	2130	5577	2940	
891025	D	120	2	So Cal	H	11	2115	2121	5591	3104	
891026	C	126	1	So Cal	H	11	2104	2110	5605	4216	
891028	B	136	1	So Cal	H	11	2044	2050	5633	3762	
891001	B	2	2	W Atlantic	H	11	716	728	5244	8892	
891001	C	3	2	W Atlantic	H	11	1701	1709	5250	5754	
891003	A	12	2	W Atlantic	H	11	1641	1650	5278	6474	
891003	A	12	1	W Atlantic	H	11	1820	1827	5279	5034	
891004	A	15	2	W Atlantic	H	11	643	654	5286	7914	
891004	B	17	1	W Atlantic	L	11	1632	1640	5290	5482	
891004	B	17	2	W Atlantic	H	11	1809	1816	5293	5034	
891005	C	22	3	W Atlantic	H	11	1759	1806	5307	5016	
891005	C	22	2	W Atlantic	L	11	1621	1629	5306	5244	
891006	A	25	3	W Atlantic	H	11	622	633	5314	7914	
891006	C	27	2	W Atlantic	L	11	1610	1617	5320	4524	
891006	C	27	3	W Atlantic	H	11	1748	1755	5321	5394	
891007	A	30	2	W Atlantic	H	11	611	622	5328	7554	
891007	C	32	1	W Atlantic	L	11	1600	1608	5334	5312	
891007	C	32	2	W Atlantic	H	11	1738	1745	5335	5394	
891008	A	35	3	W Atlantic	H	11	602	611	5342	6834	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
891008	B	36	1	W Atlantic	H	11	1728	1736	5349	5394	
891009	A	39	2	W Atlantic	H	1	552	601	5356	6834	
891009	D	42	2	W Atlantic	H	11	1718	1725	5364	5034	
891010	A	44	2	W Atlantic	H	11	542	551	5370	5578	
891010	D	47	3	W Atlantic	H	11	1707	1715	5377	5754	
891011	A	50	3	W Atlantic	H	11	712	723	5385	8260	
891011	D	53	2	W Atlantic	H	11	1657	1705	5391	5740	
891012	A	56	2	W Atlantic	H	11	702	711	5399	6828	
891014	A	66	2	W Atlantic	H	11	640	649	5427	6830	
891014	C	68	2	W Atlantic	H	11	1806	1813	5434	5434	
891014	D	69	2	W Atlantic	L	11	1628	1635	5433	5214	
891015	A	71	3	W Atlantic	H	11	629	639	5441	7190	
891015	C	73	1	W Atlantic	L	11	1617	1625	5447	5252	
891015	C	73	2	W Atlantic	H	11	1755	1803	5448	5752	
891016	B	77	2	W Atlantic	H	11	1744	1751	5462	4902	
891016	B	77	1	W Atlantic	L	11	1606	1614	5461	5376	
891017	A	79	3	W Atlantic	H	11	608	618	5469	7154	
891017	D	82	2	W Atlantic	L	11	1556	1603	5475	6242	
891017	D	82	3	W Atlantic	H	11	1734	1742	5476	5742	
891018	A	84	2	W Atlantic	H	11	557	607	5483	7136	
891018	C	86	1	W Atlantic	H	11	1724	1731	5490	5016	
891018	C	86	2	W Atlantic	L	11	1545	1553	5489	5252	
891019	B	90	3	W Atlantic	H	11	547	557	5497	7174	
891019	C	91	2	W Atlantic	H	11	1714	1720	5504	4636	
891020	B	95	3	W Atlantic	H	11	718	729	5512	7868	
891020	C	96	3	W Atlantic	H	11	1706	1714	5518	4654	
891021	C	101	2	W Atlantic	H	11	1654	1703	5532	6456	
891022	A	104	1	W Atlantic	H	11	658	707	5540	6466	
891022	C	106	2	W Atlantic	H	11	1822	1829	5547	5016	
891023	B	111	2	W Atlantic	H	11	1811	1818	5561	5018	
891023	B	111	1	W Atlantic	L	11	1634	1642	5560	5438	
891024	A	113	1	W Atlantic	H	11	635	645	5568	7178	
891024	B	115	2	W Atlantic	H	11	1801	1808	5575	5388	
891025	A	117	2	W Atlantic	H	11	624	634	5582	7538	
891025	C	119	1	W Atlantic	L	11	1613	1620	5588	5252	
891025	C	119	2	W Atlantic	H	11	1751	1758	5589	5388	
891027	A	130	2	W Atlantic	H	11	1730	1738	5617	5748	
891027	A	130	1	W Atlantic	L	11	1551	1559	5616	5252	
891029	C	142	2	W Atlantic	H	11	1708	1716	5645	5738	
891105	A	172	2	W Atlantic	H	11	610	620	5737	7172	
891105	B	174	1	W Atlantic	H	11	1736	1744	5744	5720	
891109	A	194	3	W Atlantic	H	11	1656	1705	5800	5876	
891006	A	25	2	W Med Sea	L	10	803	809	15849	3068	
891008	B	36	2	W Med Sea	L	10	718	724	15778	3778	
891011	C	52	2	W Med Sea	L	10	751	757	15920	3796	
891012	B	57	1	W Med Sea	L	10	729	734	15934	3758	
891015	A	71	2	W Med Sea	L	10	802	807	15977	3718	
891016	B	77	3	W Med Sea	L	10	739	745	15991	3618	
891017	C	81	3	W Med Sea	L	10	717	722	16005	3778	

<u>DATE</u>	<u>S</u>	<u>SEQ</u>	<u>F</u>	<u>SCENE</u>	<u>T</u>	<u>NA</u>	<u>START</u>	<u>STOP</u>	<u>ORBIT</u>	<u>RECS</u>	<u>NOTES</u>
891020	B	95	2	W Med Sea	L	10	750	755	16048	3798	
891021	C	101	3	W Med Sea	L	10	727	733	16062	3800	
891024	A	113	2	W Med Sea	L	10	800	806	16105	3802	
891025	B	118	2	W Med Sea	L	10	737	743	16119	3800	
891026	B	124	3	W Med Sea	L	10	715	720	16133	3726	
891029	B	141	1	W Med Sea	L	10	748	753	16176	3802	

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