

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 08:34:17	1074068610	1074070016	691
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	18-Apr-2002 08:34:40	1074074588	1074075994	691
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 08:35:04	1074080564	1074081970	691
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	18-Apr-2002 09:42:22	1075114380	1075115523	691
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 10:14:52	1075613686	1075615092	692
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	18-Apr-2002 10:15:16	1075619663	1075621069	692
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 10:15:39	1075625641	1075627047	692
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	18-Apr-2002 11:22:57	1076659428	1076660571	692
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 11:55:28	1077158754	1077160160	693
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	18-Apr-2002 11:55:51	1077164732	1077166138	693
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 11:56:14	1077170708	1077172114	693
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	18-Apr-2002 13:03:33	1078204466	1078205609	693
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 13:36:03	1078703832	1078705238	694
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	18-Apr-2002 13:36:26	1078709809	1078711215	694
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 13:36:50	1078715787	1078717193	694
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	18-Apr-2002 14:44:08	1079749531	1079750674	694
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 15:16:39	1080248919	1080250325	695
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	18-Apr-2002 15:17:02	1080254895	1080256301	695
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 15:17:25	1080260872	1080262278	695
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	18-Apr-2002 16:24:43	1081294619	1081295762	695
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 16:57:14	1081794026	1081795432	696
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	18-Apr-2002 16:57:38	1081800004	1081801410	696
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 16:58:01	1081805980	1081807386	696
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	18-Apr-2002 18:05:19	1082839711	1082840854	696
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 18:37:50	1083339138	1083340544	697
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	18-Apr-2002 18:38:13	1083345115	1083346521	697
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 18:38:37	1083351093	1083352499	697
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	18-Apr-2002 19:45:54	1084384779	1084385922	697
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 20:18:25	1084884239	1084885645	698
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	18-Apr-2002 20:18:49	1084890216	1084891622	698
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 20:19:12	1084896193	1084897599	698
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	18-Apr-2002 21:26:30	1085929825	1085930968	698
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 21:59:01	1086429319	1086430725	699
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	18-Apr-2002 21:59:24	1086435296	1086436702	699
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 21:59:48	1086441274	1086442680	699
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	18-Apr-2002 23:07:05	1087474866	1087476009	699
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 23:39:36	1087974399	1087975805	700
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	18-Apr-2002 23:40:00	1087980375	1087981781	700
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	18-Apr-2002 23:40:23	1087986352	1087987758	700
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 00:47:40	1089019914	1089021057	700
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 01:20:12	1089519449	1089520855	701
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 01:20:35	1089525425	1089526831	701
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 01:20:58	1089531402	1089532808	701
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 02:28:16	1090564963	1090566106	701
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 03:00:47	1091064529	1091065935	702
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 03:01:10	1091070505	1091071911	702
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 03:01:34	1091076482	1091077888	702
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 04:08:51	1092110049	1092111192	702
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 04:41:23	1092609643	1092611049	703
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 04:41:46	1092615621	1092617027	703
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 04:42:09	1092621597	1092623003	703
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 05:49:27	1093655140	1093656283	703
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 06:21:58	1094154758	1094156164	704
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 06:22:22	1094160735	1094162141	704
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 06:22:45	1094166713	1094168119	704
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 07:30:02	1095200217	1095201360	704
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 08:02:34	1095699851	1095701257	705
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 08:02:57	1095705828	1095707234	705
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 08:03:21	1095711805	1095713211	705
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 09:10:38	1096745272	1096746415	705
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 09:43:09	1097244926	1097246332	706
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 09:43:33	1097250904	1097252310	706
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 09:43:56	1097256880	1097258286	706
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 10:51:13	1098290320	1098291463	706

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Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 11:23:45	1098789996	1098791402	707
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 11:24:08	1098795973	1098797379	707
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 11:24:31	1098801951	1098803357	707
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 12:31:48	1099835361	1099836504	707
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 13:04:20	1100335069	1100336475	708
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 13:04:44	1100341046	1100342452	708
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 13:05:07	1100347024	1100348430	708
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 14:12:24	1101380415	1101381558	708
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 14:44:56	1101880153	1101881559	709
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 14:45:19	1101886129	1101887535	709
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 14:45:42	1101892107	1101893513	709
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 15:52:59	1102925496	1102926639	709
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 16:25:31	1103425252	1103426658	710
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 16:25:55	1103431230	1103432636	710
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 16:26:18	1103437207	1103438613	710
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 17:33:35	1104470589	1104471732	710
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 18:06:07	1104970363	1104971769	711
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 18:06:30	1104976340	1104977746	711
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 18:06:53	1104982317	1104983723	711
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 19:14:10	1106015664	1106016807	711
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 19:46:42	1106515471	1106516877	712
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 19:47:06	1106521448	1106522854	712
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 19:47:29	1106527425	1106528831	712
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 20:54:45	1107560715	1107561858	712
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 21:27:18	1108060556	1108061962	713
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 21:27:41	1108066532	1108067938	713
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 21:28:05	1108072509	1108073915	713
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Apr-2002 22:35:21	1109105754	1109106897	713
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 23:07:54	1109608583	1109607259	714
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	19-Apr-2002 23:08:18	1109611831	1109613237	714
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	19-Apr-2002 23:08:41	1109617807	1109619213	714
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 00:15:57	1110651043	1110652186	714
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 00:48:30	1111150949	1111152355	715
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 00:48:53	1111156927	1111158333	715
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 00:49:16	1111162903	1111164309	715
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 01:56:32	1112196126	1112197269	715
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 02:29:05	1112696047	1112697453	716
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 02:29:29	1112702023	1112703429	716
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 02:29:52	1112708000	1112709406	716
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 03:37:08	1113741233	1113742376	716
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 04:09:41	1114241175	1114242581	717
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 04:10:04	1114247153	1114248559	717
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 04:10:28	1114253129	1114254535	717
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 05:17:44	1115286353	1115287496	717
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 05:50:17	1115786320	1115787726	718
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 05:50:40	1115792297	1115793703	718
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 05:51:03	1115798275	1115799681	718
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 06:58:19	1116831458	1116832601	718
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 07:30:52	1117331440	1117332846	719
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 07:31:16	1117337417	1117338823	719
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 07:31:39	1117343394	1117344800	719
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 08:38:55	1118376541	1118377684	719
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 09:11:28	1118876544	1118877950	720
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 09:11:51	1118882522	1118883928	720
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 09:12:14	1118888499	1118889905	720
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 10:19:30	1119921620	1119922763	720
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 10:52:03	1120421641	1120423047	721
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 10:52:27	1120427619	1120429025	721
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 10:52:50	1120433595	1120435001	721
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 12:00:06	1121466688	1121467831	721
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 12:32:39	1121966737	1121968143	722
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 12:33:02	1121972713	1121974119	722
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 12:33:26	1121978690	1121980096	722
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 13:40:41	1123011757	1123012900	722

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Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 14:13:14	1123511841	1123513247	723
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 14:13:38	1123517819	1123519225	723
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 14:14:01	1123523795	1123525201	723
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 15:21:17	1124556857	1124558000	723
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 15:53:50	1125056964	1125058370	724
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 15:54:13	1125062941	1125064347	724
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 15:54:37	1125068919	1125070325	724
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 17:01:52	1126101980	1126103123	724
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 17:34:26	1126602099	1126603505	725
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 17:34:49	1126608077	1126609483	725
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 17:35:12	1126614053	1126615459	725
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 18:42:28	1127647086	1127648229	725
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 19:15:01	1128147234	1128148640	726
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 19:15:25	1128153211	1128154617	726
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 19:15:48	1128159188	1128160594	726
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 20:23:03	1129192167	1129193310	726
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 20:55:37	1129692352	1129693758	727
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 20:56:00	1129698330	1129699736	727
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 20:56:24	1129704305	1129705711	727
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 22:03:39	1130737233	1130738376	727
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 22:36:13	1131237451	1131238857	728
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	20-Apr-2002 22:36:36	1131243429	1131244835	728
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	20-Apr-2002 22:36:59	1131249405	1131250811	728
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Apr-2002 23:44:14	1132282302	1132283445	728
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 00:16:48	1132782542	1132783948	729
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 00:17:11	1132788520	1132789926	729
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 00:17:35	1132794495	1132795901	729
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 01:24:49	1133827367	1133828510	729
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 01:57:24	1134327632	1134329038	730
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 01:57:47	1134333609	1134335015	730
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 01:58:10	1134339587	1134340993	730
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 03:05:25	1135372467	1135373610	730
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 03:37:59	1135872749	1135874155	731
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 03:38:23	1135878726	1135880132	731
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 03:38:46	1135884704	1135886110	731
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 04:46:01	1136917587	1136918730	731
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 05:18:35	1137417895	1137419301	732
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 05:18:58	1137423873	1137425279	732
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 05:19:22	1137429849	1137431255	732
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 06:26:36	1138462698	1138463841	732
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 06:59:11	1138963023	1138964429	733
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 06:59:34	1138969000	1138970406	733
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 06:59:57	1138974977	1138976383	733
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 08:07:12	1140007787	1140008930	733
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 08:39:46	1140508131	1140509537	734
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 08:40:10	1140514109	1140515515	734
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 08:40:33	1140520085	1140521491	734
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 09:47:47	1141552868	1141554011	734
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 10:20:22	1142053228	1142054634	735
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 10:20:45	1142059208	1142060614	735
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 10:21:08	1142065182	1142066588	735
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 11:28:23	1143097936	1143099079	735
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 12:00:57	1143598319	1143599725	736
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 12:01:21	1143604296	1143605702	736
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 12:01:44	1143610274	1143611680	736
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 13:08:58	1144643001	1144644144	736
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 13:41:33	1145143420	1145144826	737
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 13:41:56	1145149397	1145150803	737
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 13:42:19	1145155374	1145156780	737
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 14:49:34	1146188091	1146189234	737
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 15:22:08	1146688532	1146689938	738
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 15:22:32	1146694509	1146695915	738
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 15:22:55	1146700486	1146701892	738
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 16:30:09	1147733207	1147734350	738

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 17:02:44	1148233661	1148235067	739
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 17:03:07	1148239640	1148241046	739
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 17:03:31	1148245615	1148247021	739
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 18:10:45	1149278320	1149279463	739
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 18:43:20	1149778797	1149780203	740
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 18:43:43	1149784774	1149786180	740
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 18:44:06	1149790751	1149792157	740
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 19:51:20	1150823410	1150824553	740
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 20:23:55	1151323921	1151325327	741
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 20:24:19	1151329900	1151331306	741
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 20:24:42	1151335875	1151337281	741
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 21:31:56	1152368482	1152369625	741
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 22:04:31	1152869024	1152870430	742
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 22:04:54	1152875002	1152876408	742
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 22:05:18	1152880979	1152882385	742
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Apr-2002 23:12:31	1153913549	1153914692	742
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 23:45:06	1154414124	1154415530	743
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	21-Apr-2002 23:45:30	1154420102	1154421508	743
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	21-Apr-2002 23:45:53	1154426078	1154427484	743
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Apr-2002 00:53:07	1155458619	1155459762	743
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 01:25:42	1155959214	1155960620	744
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	22-Apr-2002 01:26:05	1155965191	1155966597	744
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 01:26:29	1155971169	1155972575	744
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Apr-2002 02:33:42	1157003712	1157004855	744
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 03:06:18	1157504322	1157505728	745
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	22-Apr-2002 03:06:41	1157510298	1157511704	745
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 03:07:04	1157516275	1157517681	745
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Apr-2002 04:14:18	1158548826	1158549969	745
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 04:46:53	1159049460	1159050866	746
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	22-Apr-2002 04:47:17	1159055437	1159056843	746
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 04:47:40	1159061414	1159062820	746
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Apr-2002 05:54:53	1160093939	1160095082	746
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 06:27:29	1160594597	1160596003	747
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	22-Apr-2002 06:27:52	1160600574	1160601980	747
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 06:28:16	1160606551	1160607957	747
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Apr-2002 07:35:29	1161639041	1161640184	747
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 08:08:05	1162139714	1162141120	748
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	22-Apr-2002 08:08:28	1162145691	1162147097	748
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 08:08:51	1162151668	1162153074	748
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Apr-2002 09:16:04	1163184120	1163185263	748
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 09:48:40	1163684812	1163686218	749
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	22-Apr-2002 09:49:03	1163690789	1163692195	749
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 09:49:27	1163696766	1163698172	749
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Apr-2002 10:56:40	1164729193	1164730336	749
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 11:29:16	1165229902	1165231308	750
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	22-Apr-2002 11:29:39	1165235879	1165237285	750
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 11:30:02	1165241857	1165243263	750
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Apr-2002 12:37:15	1166274256	1166275399	750
Special Monitoring TML	13	1	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 13:09:51	1166774981	1166776387	751
Special Monitoring TML	13	2	WLS_Pre61_op	61	Low Data Rate (400 kHz)	22-Apr-2002 13:10:14	1166780959	1166782365	751
Special Monitoring TML	13	3	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 13:10:38	1166786935	1166788341	751
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Apr-2002 14:17:50	1167819317	1167820460	751
Monitoring TML SRC open	31	1	D_WLS_Moni_op_1	11	Low Data Rate (400 kHz)	22-Apr-2002 14:50:27	1168320089	1168321363	752
Monitoring TML SRC open	31	2	WLS_Moni_op_1	16	Low Data Rate (400 kHz)	22-Apr-2002 14:50:49	1168325802	1168327076	752
Monitoring TML SRC open	31	3	D_WLS_Moni_op_1	11	Low Data Rate (400 kHz)	22-Apr-2002 14:51:11	1168331516	1168332790	752
Monitoring TML SRC open	31	4	D_WLS_Moni_op_2	12	Low Data Rate (400 kHz)	22-Apr-2002 14:51:34	1168337229	1168338635	752
Monitoring TML SRC open	31	5	WLS_Moni_op_2	48	Low Data Rate (400 kHz)	22-Apr-2002 14:51:57	1168343205	1168344611	752
Monitoring TML SRC open	31	6	D_WLS_Moni_op_2	12	Low Data Rate (400 kHz)	22-Apr-2002 14:52:20	1168349183	1168350589	752
Monitoring TML SRC open	31	7	D_SLS_Pre69_op	10	Low Data Rate (400 kHz)	22-Apr-2002 14:52:44	1168355159	1168356433	752
Monitoring TML SRC open	31	8	SLS_Pre69_op	69	Low Data Rate (400 kHz)	22-Apr-2002 14:54:13	1168378092	1168379366	752
Monitoring TML SRC open	31	9	D_SLS_Pre69_op	10	Low Data Rate (400 kHz)	22-Apr-2002 14:55:43	1168401023	1168402297	752
Monitoring TML SRC open	31	10	D_WLS_Pre70_op	14	Low Data Rate (400 kHz)	22-Apr-2002 14:57:12	1168423957	1168425231	752
Monitoring TML SRC open	31	11	WLS_Pre70_op	70	Low Data Rate (400 kHz)	22-Apr-2002 14:58:43	1168447077	1168448351	752
Monitoring TML SRC open	31	12	D_WLS_Pre70_op	14	Low Data Rate (400 kHz)	22-Apr-2002 15:00:13	1168470199	1168471473	752

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Monitoring TML SRC open	31	13	D_SLS_Pre59_op	9	Low Data Rate (400 kHz)	22-Apr-2002 15:01:43	1168493322	1168494596	752
Monitoring TML SRC open	31	14	SLS_Pre59_op	59	Low Data Rate (400 kHz)	22-Apr-2002 15:02:05	1168498844	1168500118	752
Monitoring TML SRC open	31	15	D_SLS_Pre59_op	9	Low Data Rate (400 kHz)	22-Apr-2002 15:02:26	1168504367	1168505641	752
Monitoring TML SRC open	31	16	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 15:02:48	1168509890	1168511296	752
Monitoring TML SRC open	31	17	WLS_Pre61_op	61	Low Data Rate (400 kHz)	22-Apr-2002 15:03:11	1168515868	1168517274	752
Monitoring TML SRC open	31	18	D_WLS_Pre61_op	13	Low Data Rate (400 kHz)	22-Apr-2002 15:03:35	1168521844	1168523250	752
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Apr-2002 15:58:26	1169364426	1169365569	752
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	22-Apr-2002 17:39:02	1170909542	1170910685	753
2. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	16	1	M_IFOV_ESM	34	Low Data Rate (400 kHz)	22-Apr-2002 19:11:56	1172336531	1172337058	754
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	22-Apr-2002 19:19:37	1172454638	1172455781	754
4. SF Alignment Moon OBJ 32	21	1	M_SF_4	12	Low Data Rate (400 kHz)	22-Apr-2002 20:52:02	1173874070	1173874597	755
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	22-Apr-2002 21:00:13	1173999711	1174000854	755
5. SF Alignment Moon OBJ 32	22	1	M_SF_5	13	Low Data Rate (400 kHz)	22-Apr-2002 22:32:30	1175417240	1175417767	756
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	22-Apr-2002 22:40:48	1175544775	1175545918	756
Timing of Sun Fixed Event Moon OBJ 62	23	1	M_SF_6	21	Low Data Rate (400 kHz)	23-Apr-2002 00:12:58	1176960402	1176960929	757
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 00:21:23	1177089842	1177090985	757
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 02:01:59	1178634928	1178636071	758
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 02:27:43	1179030073	1179030600	759
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 02:28:45	1179046104	1179046631	759
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 02:29:48	1179062135	1179062662	759
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 02:30:50	1179078168	1179078695	759
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Pre_49	49	High Data Rate (1867 kHz)	23-Apr-2002 02:31:53	1179094197	1179094988	759
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 02:34:12	1179129766	1179130293	759
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 02:35:15	1179145797	1179146324	759
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 02:36:17	1179161829	1179162356	759
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 02:37:20	1179177860	1179178387	759
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 02:38:22	1179193890	1179194417	759
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 02:39:46	1179215282	1179215809	759
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 02:40:49	1179231314	1179231841	759
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 02:42:12	1179252705	1179253232	759
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 02:43:15	1179268737	1179269264	759
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 02:44:38	1179290128	1179290655	759
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 02:45:41	1179306159	1179306686	759
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 02:46:50	1179323710	1179324237	759
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 02:47:52	1179339741	1179340268	759
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 02:49:01	1179357292	1179357819	759
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 02:50:03	1179373324	1179373851	759
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 02:51:12	1179390874	1179391401	759
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 02:52:15	1179406905	1179407432	759
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 02:53:23	1179424457	1179424984	759
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 02:54:26	1179440487	1179441014	759
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 02:55:34	1179458038	1179458565	759
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 02:56:37	1179474070	1179474597	759
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 02:57:45	1179491620	1179492147	759
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 02:58:48	1179507652	1179508179	759
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 02:59:57	1179525203	1179525730	759
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 03:00:59	1179541233	1179541760	759
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 03:02:08	1179558785	1179559312	759
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 03:03:10	1179574815	1179575342	759
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 03:04:19	1179592366	1179592893	759
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 03:05:22	1179608397	1179608924	759
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 03:06:30	1179625948	1179626475	759
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 03:07:33	1179641980	1179642507	759
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 03:08:41	1179659530	1179660057	759
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 03:09:44	1179675561	1179676088	759
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 03:10:53	1179693113	1179693640	759
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 03:11:55	1179709144	1179709671	759

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 03:13:04	1179726694	1179727221	759
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 03:14:06	1179742725	1179743252	759
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 03:15:15	1179760276	1179760803	759
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 03:16:17	1179776308	1179776835	759
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 03:17:26	1179793858	1179794385	759
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 03:18:29	1179809889	1179810416	759
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 03:19:37	1179827440	1179827967	759
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 03:20:40	1179843472	1179843999	759
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 03:21:48	1179861023	1179861550	759
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 03:22:51	1179877053	1179877580	759
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 03:24:00	1179894604	1179895131	759
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 03:25:02	1179910635	1179911162	759
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 03:26:11	1179928187	1179928714	759
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 03:27:34	1179949578	1179950105	759
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 03:28:58	1179970970	1179971497	759
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 03:30:21	1179992363	1179992890	759
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 03:31:45	1180013754	1180014281	759
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 03:33:09	1180035146	1180035673	759
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 03:34:32	1180056539	1180057066	759
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 03:35:56	1180077930	1180078457	759
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 03:37:19	1180099322	1180099849	759
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 03:42:35	1180180036	1180181179	759
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:43:21	1180191852	1180192379	759
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:44:44	1180213244	1180213771	759
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:46:08	1180234637	1180235164	759
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:47:31	1180256030	1180256557	759
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:48:55	1180277420	1180277947	759
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:50:19	1180298812	1180299339	759
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:51:42	1180320205	1180320732	759
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:53:06	1180341596	1180342123	759
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:54:29	1180362988	1180363515	759
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:55:53	1180384381	1180384908	759
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:57:16	1180405773	1180406300	759
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 03:58:40	1180427165	1180427692	759
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 04:00:03	1180448556	1180449083	759
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 04:01:27	1180469948	1180470475	759
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 04:02:51	1180491340	1180491867	759
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 04:04:14	1180512732	1180513259	759
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 04:08:18	1180575208	1180575735	760
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 04:09:21	1180591239	1180591766	760
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 04:10:23	1180607269	1180607796	760
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 04:11:26	1180623300	1180623827	760
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Pre_49	49	High Data Rate (1867 kHz)	23-Apr-2002 04:12:29	1180639331	1180640122	760
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 04:14:48	1180674899	1180675426	760
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 04:15:50	1180690931	1180691458	760
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 04:16:53	1180706961	1180707488	760
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 04:17:55	1180722992	1180723519	760
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 04:19:19	1180744384	1180744911	760
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 04:20:22	1180760416	1180760943	760
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 04:21:45	1180781808	1180782335	760
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 04:22:48	1180797838	1180798365	760
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 04:24:11	1180819230	1180819757	760
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 04:25:14	1180835261	1180835788	760
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 04:26:38	1180856653	1180857180	760
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 04:27:40	1180872685	1180873212	760
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:28:49	1180890236	1180890763	760
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 04:29:51	1180906266	1180906793	760
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:31:00	1180923818	1180924345	760
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 04:32:03	1180939848	1180940375	760

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:33:11	1180957400	1180957927	760
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 04:34:14	1180973431	1180973958	760
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:35:22	1180990981	1180991508	760
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 04:36:25	1181007012	1181007539	760
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:37:33	1181024564	1181025091	760
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 04:38:36	1181040595	1181041122	760
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:39:45	1181058145	1181058672	760
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 04:40:47	1181074177	1181074704	760
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:41:56	1181091727	1181092254	760
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 04:42:58	1181107758	1181108285	760
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:44:07	1181125309	1181125836	760
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 04:45:10	1181141340	1181141867	760
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:46:18	1181158892	1181159419	760
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 04:47:21	1181174922	1181175449	760
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:48:29	1181192473	1181193000	760
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 04:49:32	1181208504	1181209031	760
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:50:41	1181226055	1181226582	760
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 04:51:43	1181242087	1181242614	760
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:52:52	1181259638	1181260165	760
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 04:53:54	1181275668	1181276195	760
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 04:55:03	1181293219	1181293746	760
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 04:56:06	1181309250	1181309777	760
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 04:57:14	1181326802	1181327329	760
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 04:58:17	1181342833	1181343360	760
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 04:59:25	1181360383	1181360910	760
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 05:00:28	1181376414	1181376941	760
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 05:01:36	1181393965	1181394492	760
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 05:02:39	1181409996	1181410523	760
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 05:03:48	1181427548	1181428075	760
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 05:04:50	1181443578	1181444105	760
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 05:05:59	1181461129	1181461656	760
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 05:07:01	1181477160	1181477687	760
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 05:08:10	1181494712	1181495239	760
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 05:09:34	1181516103	1181516630	760
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 05:10:57	1181537495	1181538022	760
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 05:12:21	1181558887	1181559414	760
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 05:13:44	1181580280	1181580807	760
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 05:15:08	1181601672	1181602199	760
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 05:16:31	1181623063	1181623590	760
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 05:17:55	1181644455	1181644982	760
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 05:23:10	1181725153	1181726296	760
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:23:56	1181736970	1181737497	760
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:25:20	1181758363	1181758890	760
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:26:43	1181779754	1181780281	760
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:28:07	1181801147	1181801674	760
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:29:31	1181822538	1181823065	760
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:30:54	1181843930	1181844457	760
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:32:18	1181865323	1181865850	760
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:33:41	1181886714	1181887241	760
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:35:05	1181908106	1181908633	760
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:36:28	1181929498	1181930025	760
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:37:52	1181950891	1181951418	760
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:39:16	1181972282	1181972809	760
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:40:39	1181993674	1181994201	760
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:42:03	1182015066	1182015593	760
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:43:26	1182036458	1182036985	760
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 05:44:50	1182057851	1182058378	760
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 07:03:46	1183270256	1183271399	761
Pre: MO&C (pointing, long duration)	10	1	Pre_57	57	Low Data Rate (400 kHz)	23-Apr-2002 08:34:52	1184669554	1184670081	762
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 08:44:21	1184815338	1184816481	762
1. SF Alignment Moon OBJ 32	18	1	M_SF_1	9	Low Data Rate (400 kHz)	23-Apr-2002 10:15:46	1186219390	1186219917	763
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 10:24:57	1186360416	1186361559	763
2. SF Alignment Moon OBJ 32	19	1	M_SF_2	10	Low Data Rate (400 kHz)	23-Apr-2002 11:56:14	1187762491	1187763018	764
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 12:05:32	1187905481	1187906624	764

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
3. SF Alignment Moon OBJ 32	20	1	M_SF_3	11	Low Data Rate (400 kHz)	23-Apr-2002 13:36:41	1189305589	1189306116	765
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 13:46:08	1189450574	1189451717	765
4. SF Alignment Moon OBJ 32	21	1	M_SF_4	12	Low Data Rate (400 kHz)	23-Apr-2002 15:17:09	1190848684	1190849211	766
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 15:26:43	1190995675	1190996818	766
5. SF Alignment Moon OBJ 32	22	1	M_SF_5	13	Low Data Rate (400 kHz)	23-Apr-2002 16:57:37	1192391798	1192392325	767
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 17:07:19	1192540795	1192541938	767
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 17:33:03	1192936162	1192936689	768
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 17:34:06	1192952194	1192952721	768
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 17:35:08	1192968225	1192968752	768
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 17:36:11	1192984256	1192984783	768
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	23-Apr-2002 17:37:14	1193000286	1193001077	768
Pre: Sun_Calibration (fast sweep scanning)	3	1	Pre_50	50	High Data Rate (1867 kHz)	23-Apr-2002 17:38:33	1193020523	1193021314	768
Pre: ESM: Sun_Diffuser (ND in)	8	1	Pre_62	62	High Data Rate (1867 kHz)	23-Apr-2002 17:39:07	1193029238	1193030588	768
Pre: Limb/Nadir Sequence 1	25	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 17:40:11	1193045620	1193046147	768
Pre: Limb/Nadir Sequence 1	25	2	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 17:41:13	1193061652	1193062179	768
Pre: Limb/Nadir Sequence 1	25	3	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 17:42:16	1193077682	1193078209	768
Pre: Limb/Nadir Sequence 1	25	4	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 17:43:19	1193093713	1193094240	768
Pre: Limb/Nadir Sequence 1	25	5	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 17:44:21	1193109745	1193110272	768
Pre: Limb/Nadir Sequence 1	25	6	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 17:45:45	1193131137	1193131664	768
Pre: Limb/Nadir Sequence 1	25	7	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 17:46:47	1193147168	1193147695	768
Pre: Limb/Nadir Sequence 1	25	8	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 17:48:11	1193168559	1193169086	768
Pre: Limb/Nadir Sequence 1	25	9	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 17:49:14	1193184590	1193185117	768
Pre: Limb/Nadir Sequence 1	25	10	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 17:50:37	1193205982	1193206509	768
Pre: Limb/Nadir Sequence 1	25	11	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 17:51:40	1193222013	1193222540	768
Pre: Limb/Nadir Sequence 1	25	12	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 17:52:48	1193239565	1193240092	768
Pre: Limb/Nadir Sequence 1	25	13	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 17:53:51	1193255595	1193256122	768
Pre: Limb/Nadir Sequence 1	25	14	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 17:55:00	1193273147	1193273674	768
Pre: Limb/Nadir Sequence 1	25	15	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 17:56:02	1193289177	1193289704	768
Pre: Limb/Nadir Sequence 1	25	16	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 17:57:11	1193306728	1193307255	768
Pre: Limb/Nadir Sequence 1	25	17	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 17:58:13	1193322760	1193323287	768
Pre: Limb/Nadir Sequence 1	25	18	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 17:59:22	1193340311	1193340838	768
Pre: Limb/Nadir Sequence 1	25	19	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 18:00:24	1193356342	1193356869	768
Pre: Limb/Nadir Sequence 1	25	20	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 18:01:33	1193373893	1193374420	768
Pre: Limb/Nadir Sequence 1	25	21	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 18:02:36	1193389923	1193390450	768
Pre: Limb/Nadir Sequence 1	25	22	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 18:03:44	1193407474	1193408001	768
Pre: Limb/Nadir Sequence 1	25	23	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 18:04:47	1193423505	1193424032	768
Pre: Limb/Nadir Sequence 1	25	24	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 18:05:55	1193441057	1193441584	768
Pre: Limb/Nadir Sequence 1	25	25	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 18:06:58	1193457088	1193457615	768
Pre: Limb/Nadir Sequence 1	25	26	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 18:08:07	1193474638	1193475165	768
Pre: Limb/Nadir Sequence 1	25	27	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 18:09:09	1193490669	1193491196	768
Pre: Limb/Nadir Sequence 1	51	1	Pre_60	60	Low Data Rate (400 kHz)	23-Apr-2002 18:10:42	1193514428	1193515466	768
Pre: Limb/Nadir Sequence 1	51	2	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 18:11:10	1193521713	1193522240	768
Pre: Limb/Nadir Sequence 1	51	3	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 18:12:13	1193537745	1193538272	768
Pre: Limb/Nadir Sequence 1	51	4	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 18:13:22	1193555295	1193555822	768
Pre: Limb/Nadir Sequence 1	51	5	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 18:14:24	1193571326	1193571853	768
Pre: Limb/Nadir Sequence 1	51	6	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 18:15:33	1193588878	1193589405	768
Pre: Limb/Nadir Sequence 1	51	7	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 18:16:35	1193604908	1193605435	768
Pre: Limb/Nadir Sequence 1	51	8	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 18:17:44	1193622460	1193622987	768
Pre: Limb/Nadir Sequence 1	51	9	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 18:18:47	1193638490	1193639017	768
Pre: Limb/Nadir Sequence 1	51	10	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 18:19:55	1193656042	1193656569	768
Pre: Limb/Nadir Sequence 1	51	11	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 18:20:58	1193672072	1193672599	768
Pre: Limb/Nadir Sequence 1	51	12	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 18:22:06	1193689625	1193690152	768
Pre: Limb/Nadir Sequence 1	51	13	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 18:23:09	1193705655	1193706182	768
Pre: Limb/Nadir Sequence 1	51	14	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 18:24:18	1193723206	1193723733	768
Pre: Limb/Nadir Sequence 1	51	15	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 18:25:20	1193739236	1193739763	768
Pre: Limb/Nadir Sequence 1	51	16	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 18:26:29	1193756787	1193757314	768
Pre: Limb/Nadir Sequence 1	51	17	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 18:27:31	1193772819	1193773346	768
Pre: Limb/Nadir Sequence 1	51	18	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 18:28:40	1193790370	1193790897	768
Pre: Limb/Nadir Sequence 1	51	19	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 18:29:43	1193806400	1193806927	768

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	51	20	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 18:30:51	1193823951	1193824478	768
Pre: Limb/Nadir Sequence 1	51	21	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 18:32:15	1193845343	1193845870	768
Pre: Limb/Nadir Sequence 1	51	22	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 18:33:38	1193866735	1193867262	768
Pre: Limb/Nadir Sequence 1	51	23	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 18:35:02	1193888128	1193888655	768
Pre: Limb/Nadir Sequence 1	51	24	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 18:36:25	1193909520	1193910047	768
Pre: Limb/Nadir Sequence 1	51	25	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 18:37:49	1193930912	1193931439	768
Pre: Limb/Nadir Sequence 1	51	26	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 18:39:12	1193952303	1193952830	768
Pre: Limb/Nadir Sequence 1	51	27	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 18:40:36	1193973695	1193974222	768
Pre: Limb/Nadir Sequence 1	51	28	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 18:42:00	1193995087	1193995614	768
Pre: Limb/Nadir Sequence 1	51	29	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 18:43:23	1194016480	1194017007	768
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 18:47:54	1194085901	1194087044	768
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 18:48:40	1194097719	1194098246	768
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 18:50:04	1194119110	1194119637	768
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 18:51:28	1194140502	1194141029	768
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 18:52:51	1194161894	1194162421	768
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 18:54:15	1194183287	1194183814	768
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 18:55:38	1194204679	1194205206	768
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 18:57:02	1194226071	1194226598	768
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 18:58:25	1194247462	1194247989	768
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 18:59:49	1194268854	1194269381	768
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 19:01:13	1194290246	1194290773	768
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 19:02:36	1194311638	1194312165	768
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 19:04:00	1194333030	1194333557	768
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 19:05:23	1194354422	1194354949	768
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 19:06:47	1194375815	1194376342	768
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 19:08:10	1194397208	1194397735	768
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 19:09:34	1194418599	1194419126	768
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 19:13:39	1194481298	1194481825	769
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 19:14:41	1194497330	1194497857	769
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 19:15:44	1194513360	1194513887	769
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 19:16:47	1194529392	1194529919	769
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	23-Apr-2002 19:17:49	1194545423	1194546214	769
Pre: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Pre_68	68	High Data Rate (1867 kHz)	23-Apr-2002 19:19:08	1194565659	1194566450	769
Pre: ESM: Sun_Diffuser (ND in)	8	1	Pre_62	62	High Data Rate (1867 kHz)	23-Apr-2002 19:19:42	1194574365	1194575715	769
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 19:20:26	1194585554	1194586081	769
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 19:21:29	1194601585	1194602112	769
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 19:22:31	1194617616	1194618143	769
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 19:23:34	1194633646	1194634173	769
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 19:24:37	1194649677	1194650204	769
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 19:26:00	1194671069	1194671596	769
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 19:27:03	1194687101	1194687628	769
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 19:28:26	1194708493	1194709020	769
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 19:29:29	1194724523	1194725050	769
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 19:30:53	1194745915	1194746442	769
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 19:31:55	1194761946	1194762473	769
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:33:04	1194779498	1194780025	769
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 19:34:06	1194795529	1194796056	769
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:35:15	1194813079	1194813606	769
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 19:36:17	1194829110	1194829637	769
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:37:26	1194846661	1194847188	769
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 19:38:29	1194862693	1194863220	769
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:39:37	1194880243	1194880770	769
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 19:40:40	1194896274	1194896801	769
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:41:48	1194913825	1194914352	769
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 19:42:51	1194929856	1194930383	769
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:44:00	1194947408	1194947935	769
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 19:45:02	1194963438	1194963965	769
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:46:11	1194980989	1194981516	769

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 19:47:13	1194997020	1194997547	769
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:48:22	1195014572	1195015099	769
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 19:49:25	1195030603	1195031130	769
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:50:33	1195048153	1195048680	769
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 19:51:36	1195064184	1195064711	769
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:52:44	1195081736	1195082263	769
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 19:53:47	1195097766	1195098293	769
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:54:55	1195115317	1195115844	769
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 19:55:58	1195131349	1195131876	769
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:57:07	1195148899	1195149426	769
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 19:58:09	1195164931	1195165458	769
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 19:59:18	1195182481	1195183008	769
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 20:00:20	1195198513	1195199040	769
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 20:01:29	1195216064	1195216591	769
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 20:02:32	1195232095	1195232622	769
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 20:03:40	1195249645	1195250172	769
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 20:04:43	1195265676	1195266203	769
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 20:05:51	1195283227	1195283754	769
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 20:06:54	1195299258	1195299785	769
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 20:08:03	1195316809	1195317336	769
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 20:09:05	1195332840	1195333367	769
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 20:10:14	1195350391	1195350918	769
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 20:11:16	1195366424	1195366951	769
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 20:12:25	1195383973	1195384500	769
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 20:13:48	1195405366	1195405893	769
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 20:15:12	1195426757	1195427284	769
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 20:16:36	1195448149	1195448676	769
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 20:17:59	1195469541	1195470068	769
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 20:19:23	1195490933	1195491460	769
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 20:20:46	1195512326	1195512853	769
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 20:22:10	1195533717	1195534244	769
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 20:23:33	1195555109	1195555636	769
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 20:28:30	1195630982	1195632125	769
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:29:16	1195642800	1195643327	769
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:30:40	1195664192	1195664719	769
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:32:03	1195685584	1195686111	769
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:33:27	1195706977	1195707504	769
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:34:50	1195728368	1195728895	769
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:36:14	1195749760	1195750287	769
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:37:37	1195771153	1195771680	769
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:39:01	1195792544	1195793071	769
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:40:24	1195813937	1195814464	769
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:41:48	1195835329	1195835856	769
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:43:12	1195856720	1195857247	769
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:44:35	1195878112	1195878639	769
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:45:59	1195899504	1195900031	769
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:47:22	1195920897	1195921424	769
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:48:46	1195942288	1195942815	769
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 20:50:09	1195963681	1195964208	769
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 20:54:14	1196026413	1196026940	770
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 20:55:17	1196042444	1196042971	770
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 20:56:20	1196058475	1196059002	770
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 20:57:22	1196074508	1196075035	770
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	23-Apr-2002 20:58:25	1196090537	1196091328	770
Pre: Sun_Nadir_Mirror_Calibration (pointing)	5	1	Pre_64	64	High Data Rate (1867 kHz)	23-Apr-2002 20:59:44	1196110772	1196111563	770
Pre: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	23-Apr-2002 21:00:18	1196119604	1196120822	770
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 21:01:02	1196130668	1196131195	770
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 21:02:04	1196146701	1196147228	770

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 21:03:07	1196162730	1196163257	770
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 21:04:10	1196178761	1196179288	770
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 21:05:12	1196194793	1196195320	770
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 21:06:36	1196216184	1196216711	770
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 21:07:38	1196232217	1196232744	770
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 21:09:02	1196253607	1196254134	770
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 21:10:05	1196269638	1196270165	770
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 21:11:28	1196291030	1196291557	770
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 21:12:31	1196307061	1196307588	770
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:13:39	1196324615	1196325142	770
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 21:14:42	1196340643	1196341170	770
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:15:50	1196358194	1196358721	770
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 21:16:53	1196374225	1196374752	770
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:18:02	1196391776	1196392303	770
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 21:19:04	1196407809	1196408336	770
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:20:13	1196425358	1196425885	770
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 21:21:15	1196441389	1196441916	770
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:22:24	1196458940	1196459467	770
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 21:23:27	1196474972	1196475499	770
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:24:35	1196492523	1196493050	770
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 21:25:38	1196508553	1196509080	770
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:26:46	1196526105	1196526632	770
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 21:27:49	1196542135	1196542662	770
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:28:58	1196559686	1196560213	770
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 21:30:00	1196575717	1196576244	770
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:31:09	1196593269	1196593796	770
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 21:32:11	1196609299	1196609826	770
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:33:20	1196626850	1196627377	770
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 21:34:23	1196642881	1196643408	770
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:35:31	1196660432	1196660959	770
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 21:36:34	1196676463	1196676990	770
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:37:42	1196694015	1196694542	770
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 21:38:45	1196710045	1196710572	770
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 21:39:53	1196727596	1196728123	770
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 21:40:56	1196743627	1196744154	770
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 21:42:05	1196761178	1196761705	770
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 21:43:07	1196777210	1196777737	770
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 21:44:16	1196794760	1196795287	770
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 21:45:18	1196810791	1196811318	770
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 21:46:27	1196828343	1196828870	770
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 21:47:30	1196844373	1196844900	770
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 21:48:38	1196861925	1196862452	770
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 21:49:41	1196877955	1196878482	770
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 21:50:49	1196895507	1196896034	770
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 21:51:52	1196911537	1196912064	770
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 21:53:01	1196929089	1196929616	770
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 21:54:24	1196950481	1196951008	770
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 21:55:48	1196971872	1196972399	770
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 21:57:11	1196993265	1196993792	770
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 21:58:35	1197014656	1197015183	770
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 21:59:58	1197036048	1197036575	770
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 22:01:22	1197057440	1197057967	770
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 22:02:45	1197078832	1197079359	770
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 22:04:09	1197100224	1197100751	770
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 22:09:05	1197176047	1197177190	770
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:09:51	1197187864	1197188391	770
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:11:15	1197209256	1197209783	770
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:12:38	1197230648	1197231175	770
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:14:02	1197252041	1197252568	770
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:15:26	1197273432	1197273959	770
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:16:49	1197294824	1197295351	770
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:18:13	1197316216	1197316743	770
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:19:36	1197337608	1197338135	770
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:21:00	1197359000	1197359527	770

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:22:23	1197380392	1197380919	770
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:23:47	1197401784	1197402311	770
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:25:11	1197423176	1197423703	770
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:26:34	1197444569	1197445096	770
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:27:58	1197465960	1197466487	770
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:29:21	1197487353	1197487880	770
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 22:30:45	1197508744	1197509271	770
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 22:34:50	1197571514	1197572041	771
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 22:35:53	1197587544	1197588071	771
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 22:36:55	1197603576	1197604103	771
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 22:37:58	1197619607	1197620134	771
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	23-Apr-2002 22:39:00	1197635637	1197636428	771
Pre: Sun_Nadir_Mirror_Calibration (nominal scanning)	6	1	Pre_66	66	High Data Rate (1867 kHz)	23-Apr-2002 22:40:20	1197655871	1197656662	771
Pre: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	23-Apr-2002 22:40:54	1197664701	1197665919	771
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	23-Apr-2002 22:41:37	1197675767	1197676294	771
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 22:42:40	1197691797	1197692324	771
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	23-Apr-2002 22:43:42	1197707829	1197708356	771
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 22:44:45	1197723859	1197724386	771
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 22:46:09	1197745252	1197745779	771
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 22:47:11	1197761282	1197761809	771
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 22:48:35	1197782674	1197783201	771
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 22:49:37	1197798705	1197799232	771
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 22:51:01	1197820097	1197820624	771
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 22:52:04	1197836128	1197836655	771
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 22:53:27	1197857521	1197858048	771
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 22:54:30	1197873551	1197874078	771
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 22:55:38	1197891102	1197891629	771
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 22:56:41	1197907134	1197907661	771
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 22:57:50	1197924684	1197925211	771
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 22:58:52	1197940716	1197941243	771
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:00:01	1197958266	1197958793	771
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 23:01:03	1197974297	1197974824	771
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:02:12	1197991848	1197992375	771
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 23:03:15	1198007879	1198008406	771
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:04:23	1198025430	1198025957	771
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 23:05:26	1198041461	1198041988	771
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:06:34	1198059012	1198059539	771
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 23:07:37	1198075043	1198075570	771
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:08:45	1198092594	1198093121	771
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 23:09:48	1198108625	1198109152	771
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:10:57	1198126176	1198126703	771
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 23:11:59	1198142208	1198142735	771
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:13:08	1198159759	1198160286	771
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 23:14:10	1198175789	1198176316	771
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:15:19	1198193340	1198193867	771
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 23:16:22	1198209371	1198209898	771
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:17:30	1198226923	1198227450	771
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	23-Apr-2002 23:18:33	1198242954	1198243481	771
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:19:41	1198260504	1198261031	771
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 23:20:44	1198276535	1198277062	771
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	23-Apr-2002 23:21:53	1198294086	1198294613	771
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 23:22:55	1198310118	1198310645	771
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 23:24:04	1198327668	1198328195	771
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 23:25:06	1198343699	1198344226	771
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 23:26:15	1198361250	1198361777	771
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	23-Apr-2002 23:27:18	1198377282	1198377809	771
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	23-Apr-2002 23:28:26	1198394832	1198395359	771
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 23:29:29	1198410864	1198411391	771

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 23:30:37	1198428414	1198428941	771
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	23-Apr-2002 23:31:40	1198444446	1198444973	771
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	23-Apr-2002 23:32:48	1198461996	1198462523	771
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	23-Apr-2002 23:33:51	1198478027	1198478554	771
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 23:35:00	1198495578	1198496105	771
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	23-Apr-2002 23:36:23	1198516971	1198517498	771
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 23:37:47	1198538363	1198538890	771
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	23-Apr-2002 23:39:10	1198559754	1198560281	771
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 23:40:34	1198581146	1198581673	771
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 23:41:57	1198602538	1198603065	771
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 23:43:21	1198623930	1198624457	771
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	23-Apr-2002 23:44:45	1198645323	1198645850	771
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	23-Apr-2002 23:49:41	1198721114	1198722257	771
Pre: Weekly_Calibration_Eclipse	56	1	Pre_46	46	Low Data Rate (400 kHz)	23-Apr-2002 23:50:27	1198732932	1198733723	771
Pre: Weekly_Calibration_Eclipse	56	2	Pre_63	63	Low Data Rate (400 kHz)	23-Apr-2002 23:50:37	1198735487	1198736278	771
Pre: Weekly_Calibration_Eclipse	56	3	Pre_67	67	Low Data Rate (400 kHz)	23-Apr-2002 23:51:12	1198744443	1198745234	771
Pre: Weekly_Calibration_Eclipse	56	4	Pre_46	46	Low Data Rate (400 kHz)	23-Apr-2002 23:54:37	1198796916	1198797707	771
Pre: Weekly_Calibration_Eclipse	56	5	Pre_59	59	Low Data Rate (400 kHz)	23-Apr-2002 23:54:47	1198799471	1198800745	771
Pre: Weekly_Calibration_Eclipse	56	6	Pre_63	63	Low Data Rate (400 kHz)	23-Apr-2002 23:55:08	1198804993	1198805784	771
Pre: Weekly_Calibration_Eclipse	56	7	Pre_67	67	Low Data Rate (400 kHz)	23-Apr-2002 23:55:43	1198813948	1198814739	771
Pre: Weekly_Calibration_Eclipse	56	8	Pre_46	46	Low Data Rate (400 kHz)	23-Apr-2002 23:59:08	1198866422	1198867213	771
Pre: Weekly_Calibration_Eclipse	56	9	Pre_27	27	Low Data Rate (400 kHz)	23-Apr-2002 23:59:18	1198868977	1198869504	771
Pre: Weekly_Calibration_Eclipse	56	10	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 00:00:42	1198890368	1198890895	771
Pre: Weekly_Calibration_Eclipse	56	11	Pre_63	63	Low Data Rate (400 kHz)	24-Apr-2002 00:02:05	1198911761	1198912552	771
Pre: Weekly_Calibration_Eclipse	56	12	Pre_67	67	Low Data Rate (400 kHz)	24-Apr-2002 00:02:40	1198920716	1198921507	771
Pre: Weekly_Calibration_Eclipse	56	13	Pre_46	46	Low Data Rate (400 kHz)	24-Apr-2002 00:06:05	1198973188	1198973979	771
Pre: Weekly_Calibration_Eclipse	56	14	Pre_61	61	Low Data Rate (400 kHz)	24-Apr-2002 00:06:15	1198975743	1198977149	771
Pre: Weekly_Calibration_Eclipse	56	15	Pre_63	63	Low Data Rate (400 kHz)	24-Apr-2002 00:06:39	1198981721	1198982512	771
Pre: Weekly_Calibration_Eclipse	56	16	Pre_67	67	Low Data Rate (400 kHz)	24-Apr-2002 00:07:14	1198990676	1198991467	771
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 01:30:16	1200266191	1200267334	772
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 01:55:57	1200660687	1200661214	773
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 01:57:00	1200676717	1200677244	773
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 01:58:02	1200692749	1200693276	773
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 01:59:05	1200708779	1200709306	773
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Pre_51	51	High Data Rate (1867 kHz)	24-Apr-2002 02:00:08	1200724810	1200725601	773
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 02:01:21	1200743484	1200744011	773
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 02:02:23	1200759517	1200760044	773
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 02:03:26	1200775546	1200776073	773
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 02:04:28	1200791578	1200792105	773
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 02:05:31	1200807609	1200808136	773
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 02:06:55	1200829001	1200829528	773
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 02:07:57	1200845033	1200845560	773
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 02:09:21	1200866423	1200866950	773
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 02:10:23	1200882454	1200882981	773
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 02:11:47	1200903847	1200904374	773
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	24-Apr-2002 02:12:50	1200919878	1200920405	773
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:13:58	1200937431	1200937958	773
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 02:15:01	1200953459	1200953986	773
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:16:09	1200971010	1200971537	773
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 02:17:12	1200987042	1200987569	773
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:18:20	1201004592	1201005119	773
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 02:19:23	1201020625	1201021152	773
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:20:32	1201038174	1201038701	773
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 02:21:34	1201054205	1201054732	773
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:22:43	1201071756	1201072283	773
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 02:23:45	1201087787	1201088314	773
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:24:54	1201105338	1201105865	773
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 02:25:57	1201121369	1201121896	773
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:27:05	1201138921	1201139448	773

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 02:28:08	1201154951	1201155478	773
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:29:16	1201172502	1201173029	773
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 02:30:19	1201188533	1201189060	773
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:31:28	1201206084	1201206611	773
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 02:32:30	1201222116	1201222643	773
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:33:39	1201239666	1201240193	773
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 02:34:41	1201255697	1201256224	773
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:35:50	1201273248	1201273775	773
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 02:36:53	1201289280	1201289807	773
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:38:01	1201306832	1201307359	773
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 02:39:04	1201322861	1201323388	773
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 02:40:12	1201340413	1201340940	773
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 02:41:15	1201356444	1201356971	773
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 02:42:23	1201373994	1201374521	773
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 02:43:26	1201390027	1201390554	773
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 02:44:35	1201407576	1201408103	773
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 02:45:37	1201423607	1201424134	773
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 02:46:46	1201441158	1201441685	773
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 02:47:48	1201457189	1201457716	773
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 02:48:57	1201474741	1201475268	773
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 02:50:00	1201490771	1201491298	773
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 02:51:08	1201508323	1201508850	773
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	24-Apr-2002 02:52:11	1201524353	1201524880	773
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 02:53:19	1201541904	1201542431	773
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 02:54:43	1201563296	1201563823	773
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 02:56:06	1201584688	1201585215	773
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 02:57:30	1201606080	1201606607	773
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 02:58:54	1201627472	1201627999	773
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 03:00:17	1201648865	1201649392	773
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 03:01:41	1201670256	1201670783	773
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 03:03:04	1201691648	1201692175	773
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 03:04:28	1201713040	1201713567	773
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 03:10:52	1201811294	1201812437	773
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:11:38	1201823111	1201823638	773
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:13:01	1201844503	1201845030	773
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:14:25	1201865896	1201866423	773
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:15:48	1201887287	1201887814	773
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:17:12	1201908679	1201909206	773
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:18:36	1201930071	1201930598	773
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:19:59	1201951463	1201951990	773
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:21:23	1201972855	1201973382	773
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:22:46	1201994247	1201994774	773
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:24:10	1202015640	1202016167	773
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:25:33	1202037032	1202037559	773
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:26:57	1202058423	1202058950	773
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:28:21	1202079815	1202080342	773
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:29:44	1202101208	1202101735	773
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:31:08	1202122599	1202123126	773
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 03:32:31	1202143991	1202144518	773
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 03:36:33	1202205806	1202206333	774
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 03:37:35	1202221836	1202222363	774
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 03:38:38	1202237867	1202238394	774
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 03:39:41	1202253898	1202254425	774
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Pre_51	51	High Data Rate (1867 kHz)	24-Apr-2002 03:40:43	1202269929	1202270720	774
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 03:41:56	1202288603	1202289130	774
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 03:42:59	1202304634	1202305161	774
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 03:44:01	1202320665	1202321192	774
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 03:45:04	1202336696	1202337223	774
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 03:46:28	1202358087	1202358614	774

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 03:47:30	1202374118	1202374645	774
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 03:48:54	1202395511	1202396038	774
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 03:49:56	1202411541	1202412068	774
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 03:51:20	1202432933	1202433460	774
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 03:52:23	1202448964	1202449491	774
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 03:53:46	1202470357	1202470884	774
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	24-Apr-2002 03:54:49	1202486388	1202486915	774
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 03:55:57	1202503939	1202504466	774
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 03:57:00	1202519969	1202520496	774
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 03:58:08	1202537521	1202538048	774
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 03:59:11	1202553552	1202554079	774
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:00:20	1202571102	1202571629	774
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 04:01:22	1202587133	1202587660	774
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:02:31	1202604684	1202605211	774
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 04:03:33	1202620715	1202621242	774
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:04:42	1202638266	1202638793	774
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 04:05:45	1202654298	1202654825	774
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:06:53	1202671848	1202672375	774
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 04:07:56	1202687880	1202688407	774
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:09:04	1202705430	1202705957	774
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 04:10:07	1202721461	1202721988	774
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:11:16	1202739013	1202739540	774
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 04:12:18	1202755043	1202755570	774
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:13:27	1202772595	1202773122	774
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 04:14:29	1202788625	1202789152	774
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:15:38	1202806177	1202806704	774
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 04:16:41	1202822207	1202822734	774
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:17:49	1202839759	1202840286	774
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 04:18:52	1202855790	1202856317	774
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:20:00	1202873340	1202873867	774
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 04:21:03	1202889371	1202889898	774
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 04:22:11	1202906922	1202907449	774
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 04:23:14	1202922954	1202923481	774
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 04:24:23	1202940505	1202941032	774
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 04:25:25	1202956535	1202957062	774
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 04:26:34	1202974086	1202974613	774
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 04:27:36	1202990117	1202990644	774
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 04:28:45	1203007668	1203008195	774
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 04:29:48	1203023700	1203024227	774
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 04:30:56	1203041250	1203041777	774
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 04:31:59	1203057281	1203057808	774
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 04:33:07	1203074832	1203075359	774
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	24-Apr-2002 04:34:10	1203090864	1203091391	774
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 04:35:19	1203108414	1203108941	774
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 04:36:42	1203129807	1203130334	774
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 04:38:06	1203151198	1203151725	774
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 04:39:29	1203172591	1203173118	774
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 04:40:53	1203193983	1203194510	774
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 04:42:16	1203215374	1203215901	774
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 04:43:40	1203236767	1203237294	774
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 04:45:03	1203258158	1203258685	774
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 04:51:27	1203356413	1203357556	774
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 04:52:13	1203368230	1203368757	774
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 04:53:37	1203389621	1203390148	774
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 04:55:01	1203411013	1203411540	774
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 04:56:24	1203432405	1203432932	774
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 04:57:48	1203453797	1203454324	774
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 04:59:11	1203475190	1203475717	774
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 05:00:35	1203496581	1203497108	774
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 05:01:58	1203517973	1203518500	774
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 05:03:22	1203539365	1203539892	774
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 05:04:45	1203560758	1203561285	774
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 05:06:09	1203582150	1203582677	774
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 05:07:33	1203603541	1203604068	774

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 05:08:56	1203624934	1203625461	774
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 05:10:20	1203646326	1203646853	774
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 05:11:43	1203667717	1203668244	774
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 05:13:07	1203689110	1203689637	774
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 06:32:03	1204901522	1204902665	775
Pre: MO&C (pointing, long duration)	10	1	Pre_57	57	Low Data Rate (400 kHz)	24-Apr-2002 08:01:18	1206272335	1206272862	776
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 08:12:38	1206446609	1206447752	776
1. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	15	1	M_IFOV_ASM	22	Low Data Rate (400 kHz)	24-Apr-2002 09:42:30	1207826768	1207827295	777
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 09:53:14	1207991689	1207992832	777
2. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	16	1	M_IFOV_ESM	34	Low Data Rate (400 kHz)	24-Apr-2002 11:22:56	1209369617	1209370144	778
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 11:33:49	1209536757	1209537900	778
4. SF Alignment Moon OBJ 32	21	1	M_SF_4	12	Low Data Rate (400 kHz)	24-Apr-2002 13:03:03	1210907375	1210907902	779
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 13:14:25	1211081825	1211082968	779
5. SF Alignment Moon OBJ 32	22	1	M_SF_5	13		TML deleted in DMOF due to SCIACAL calculation problem for prediction of Moon position			780
ADC_Calibration	63	1	Pre_65	65		TML deleted in DMOF due to SCIACAL calculation problem for prediction of Moon position			780
Timing of Sun Fixed Event Moon OBJ 62	23	1	M_SF_6	21	Low Data Rate (400 kHz)	24-Apr-2002 16:23:57	1213993058	1213993585	781
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 16:35:36	1214172052	1214173195	781
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 17:01:22	1214567782	1214568309	782
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 17:02:24	1214583811	1214584338	782
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 17:03:27	1214599842	1214600369	782
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 17:04:30	1214615874	1214616401	782
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	24-Apr-2002 17:05:32	1214631904	1214632695	782
Pre: Sun_Calibration (fast sweep scanning)	3	1	Pre_50	50	High Data Rate (1867 kHz)	24-Apr-2002 17:06:51	1214652123	1214652914	782
Pre: ESM: Sun_Diffuser (ND out)	7	1	Pre_52	52	High Data Rate (1867 kHz)	24-Apr-2002 17:07:26	1214660959	1214662177	782
Pre: Limb/Nadir Sequence 1	25	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 17:20:58	1214868861	1214869388	782
Pre: Limb/Nadir Sequence 1	25	2	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 17:22:00	1214884894	1214885421	782
Pre: Limb/Nadir Sequence 1	25	3	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 17:23:03	1214900924	1214901451	782
Pre: Limb/Nadir Sequence 1	25	4	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 17:24:06	1214916955	1214917482	782
Pre: Limb/Nadir Sequence 1	25	5	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 17:25:08	1214932985	1214933512	782
Pre: Limb/Nadir Sequence 1	25	6	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 17:26:32	1214954377	1214954904	782
Pre: Limb/Nadir Sequence 1	25	7	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 17:27:34	1214970408	1214970935	782
Pre: Limb/Nadir Sequence 1	25	8	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 17:28:58	1214991800	1214992327	782
Pre: Limb/Nadir Sequence 1	25	9	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 17:30:01	1215007832	1215008359	782
Pre: Limb/Nadir Sequence 1	25	10	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 17:31:24	1215029223	1215029750	782
Pre: Limb/Nadir Sequence 1	25	11	Pre_04	4	Low Data Rate (400 kHz)	24-Apr-2002 17:32:27	1215045254	1215045781	782
Pre: Limb/Nadir Sequence 1	25	12	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 17:33:35	1215062805	1215063332	782
Pre: Limb/Nadir Sequence 1	25	13	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 17:34:38	1215078836	1215079363	782
Pre: Limb/Nadir Sequence 1	25	14	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 17:35:47	1215096388	1215096915	782
Pre: Limb/Nadir Sequence 1	25	15	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 17:36:49	1215112418	1215112945	782
Pre: Limb/Nadir Sequence 1	25	16	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 17:37:58	1215129970	1215130497	782
Pre: Limb/Nadir Sequence 1	25	17	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 17:39:00	1215146000	1215146527	782
Pre: Limb/Nadir Sequence 1	25	18	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 17:40:09	1215163551	1215164078	782
Pre: Limb/Nadir Sequence 1	25	19	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 17:41:12	1215179582	1215180109	782
Pre: Limb/Nadir Sequence 1	25	20	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 17:42:20	1215197133	1215197660	782
Pre: Limb/Nadir Sequence 1	25	21	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 17:43:23	1215213164	1215213691	782
Pre: Limb/Nadir Sequence 1	25	22	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 17:44:31	1215230715	1215231242	782
Pre: Limb/Nadir Sequence 1	25	23	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 17:45:34	1215246747	1215247274	782

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	25	24	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 17:46:42	1215264297	1215264824	782
Pre: Limb/Nadir Sequence 1	25	25	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 17:47:45	1215280328	1215280855	782
Pre: Limb/Nadir Sequence 1	25	26	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 17:48:54	1215297880	1215298407	782
Pre: Limb/Nadir Sequence 1	25	27	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 17:49:56	1215313910	1215314437	782
Pre: MO&C (pointing)	9	1	Pre_56	56	Low Data Rate (400 kHz)	24-Apr-2002 18:03:58	1215529452	1215529979	782
Pre: Moon_Calibration (nominal scanning)	11	1	Pre_54	54	Low Data Rate (400 kHz)	24-Apr-2002 18:04:56	1215544124	1215544651	782
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 18:16:11	1215717165	1215718308	782
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 18:41:57	1216112918	1216113445	783
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 18:43:00	1216128949	1216129476	783
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 18:44:03	1216144979	1216145506	783
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 18:45:05	1216161011	1216161538	783
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	24-Apr-2002 18:46:08	1216177041	1216177832	783
Pre: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Pre_68	68	High Data Rate (1867 kHz)	24-Apr-2002 18:47:27	1216197260	1216198051	783
Pre: ESM: Sun_Diffuser (ND in)	8	1	Pre_62	62	High Data Rate (1867 kHz)	24-Apr-2002 18:48:01	1216205955	1216207305	783
Pre: Limb/Nadir Sequence 1	25	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 19:01:29	1216412871	1216413398	783
Pre: Limb/Nadir Sequence 1	25	2	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 19:02:32	1216428902	1216429429	783
Pre: Limb/Nadir Sequence 1	25	3	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 19:03:34	1216444934	1216445461	783
Pre: Limb/Nadir Sequence 1	25	4	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 19:04:37	1216460965	1216461492	783
Pre: Limb/Nadir Sequence 1	25	5	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 19:05:40	1216476996	1216477523	783
Pre: Limb/Nadir Sequence 1	25	6	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 19:07:03	1216498388	1216498915	783
Pre: Limb/Nadir Sequence 1	25	7	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 19:08:06	1216514418	1216514945	783
Pre: Limb/Nadir Sequence 1	25	8	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 19:09:29	1216535810	1216536337	783
Pre: Limb/Nadir Sequence 1	25	9	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 19:10:32	1216551841	1216552368	783
Pre: Limb/Nadir Sequence 1	25	10	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 19:11:55	1216573233	1216573760	783
Pre: Limb/Nadir Sequence 1	25	11	Pre_04	4	Low Data Rate (400 kHz)	24-Apr-2002 19:12:58	1216589265	1216589792	783
Pre: Limb/Nadir Sequence 1	25	12	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 19:14:07	1216606815	1216607342	783
Pre: Limb/Nadir Sequence 1	25	13	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 19:15:09	1216622847	1216623374	783
Pre: Limb/Nadir Sequence 1	25	14	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 19:16:18	1216640397	1216640924	783
Pre: Limb/Nadir Sequence 1	25	15	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 19:17:20	1216656428	1216656955	783
Pre: Limb/Nadir Sequence 1	25	16	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 19:18:29	1216673979	1216674506	783
Pre: Limb/Nadir Sequence 1	25	17	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 19:19:32	1216690011	1216690538	783
Pre: Limb/Nadir Sequence 1	25	18	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 19:20:40	1216707562	1216708089	783
Pre: Limb/Nadir Sequence 1	25	19	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 19:21:43	1216723592	1216724119	783
Pre: Limb/Nadir Sequence 1	25	20	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 19:22:51	1216741145	1216741672	783
Pre: Limb/Nadir Sequence 1	25	21	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 19:23:54	1216757174	1216757701	783
Pre: Limb/Nadir Sequence 1	25	22	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 19:25:03	1216774725	1216775252	783
Pre: Limb/Nadir Sequence 1	25	23	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 19:26:05	1216790757	1216791284	783
Pre: Limb/Nadir Sequence 1	25	24	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 19:27:14	1216808307	1216808834	783
Pre: Limb/Nadir Sequence 1	25	25	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 19:28:16	1216824338	1216824865	783
Pre: Limb/Nadir Sequence 1	25	26	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 19:29:25	1216841889	1216842416	783
Pre: Limb/Nadir Sequence 1	25	27	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 19:30:28	1216857920	1216858447	783
Pre: MO&C (pointing)	9	1	Pre_56	56	Low Data Rate (400 kHz)	24-Apr-2002 19:44:25	1217072212	1217072739	783
Pre: Moon_Calibration (nominal scanning)	11	1	Pre_54	54	Low Data Rate (400 kHz)	24-Apr-2002 19:45:22	1217086886	1217087413	783
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 19:56:47	1217262256	1217263399	783
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 20:22:33	1217658041	1217658568	784
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 20:23:36	1217674073	1217674600	784
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 20:24:38	1217690104	1217690631	784
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 20:25:41	1217706134	1217706661	784
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	24-Apr-2002 20:26:43	1217722165	1217722956	784
Pre: Sun_Nadir_Mirror_Calibration (pointing)	5	1	Pre_64	64	High Data Rate (1867 kHz)	24-Apr-2002 20:28:02	1217742384	1217743175	784
Pre: Sun_Nadir_Mirror_Calibration (nominal scanning)	6	1	Pre_66	66	High Data Rate (1867 kHz)	24-Apr-2002 20:28:15	1217745570	1217746361	784

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 20:28:35	1217750674	1217751201	784
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 20:29:37	1217766705	1217767232	784
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 20:30:40	1217782737	1217783264	784
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 20:31:43	1217798767	1217799294	784
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 20:32:45	1217814798	1217815325	784
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 20:34:09	1217836191	1217836718	784
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 20:35:12	1217852221	1217852748	784
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 20:36:35	1217873613	1217874140	784
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 20:37:38	1217889644	1217890171	784
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 20:39:01	1217911037	1217911564	784
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	24-Apr-2002 20:40:04	1217927068	1217927595	784
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 20:41:12	1217944619	1217945146	784
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 20:42:15	1217960649	1217961176	784
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 20:43:24	1217978201	1217978728	784
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 20:44:26	1217994231	1217994758	784
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 20:45:35	1218011783	1218012310	784
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 20:46:37	1218027813	1218028340	784
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 20:47:46	1218045364	1218045891	784
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 20:48:49	1218061396	1218061923	784
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 20:49:57	1218078946	1218079473	784
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 20:51:00	1218094978	1218095505	784
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 20:52:08	1218112529	1218113056	784
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 20:53:11	1218128559	1218129086	784
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 20:54:20	1218146110	1218146637	784
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 20:55:22	1218162141	1218162668	784
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 20:56:31	1218179692	1218180219	784
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 20:57:33	1218195723	1218196250	784
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 20:58:42	1218213275	1218213802	784
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 20:59:44	1218229305	1218229832	784
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 21:00:53	1218246856	1218247383	784
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 21:01:56	1218262887	1218263414	784
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 21:03:04	1218280438	1218280965	784
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 21:04:07	1218296469	1218296996	784
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 21:05:15	1218314020	1218314547	784
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 21:06:18	1218330051	1218330578	784
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 21:07:27	1218347603	1218348130	784
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 21:08:29	1218363634	1218364161	784
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 21:09:38	1218381185	1218381712	784
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 21:10:40	1218397215	1218397742	784
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 21:11:49	1218414766	1218415293	784
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 21:12:52	1218430798	1218431325	784
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 21:14:00	1218448348	1218448875	784
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 21:15:03	1218464380	1218464907	784
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 21:16:11	1218481931	1218482458	784
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 21:17:14	1218497961	1218498488	784
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 21:18:22	1218515513	1218516040	784
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	24-Apr-2002 21:19:25	1218531544	1218532071	784
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 21:20:34	1218549095	1218549622	784
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 21:21:57	1218570487	1218571014	784
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 21:23:21	1218591879	1218592406	784
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 21:24:44	1218613270	1218613797	784
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 21:26:08	1218634662	1218635189	784
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 21:27:31	1218656054	1218656581	784
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 21:28:55	1218677446	1218677973	784
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 21:30:19	1218698839	1218699366	784
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 21:31:42	1218720231	1218720758	784
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 21:37:22	1218807328	1218808471	784
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:38:09	1218819145	1218819672	784
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:39:32	1218840536	1218841063	784
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:40:56	1218861929	1218862456	784
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:42:19	1218883320	1218883847	784
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:43:43	1218904712	1218905239	784
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:45:06	1218926104	1218926631	784
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:46:30	1218947496	1218948023	784

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:47:53	1218968888	1218969415	784
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:49:17	1218990280	1218990807	784
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:50:41	1219011674	1219012201	784
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:52:04	1219033064	1219033591	784
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:53:28	1219054457	1219054984	784
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:54:51	1219075849	1219076376	784
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:56:15	1219097240	1219097767	784
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:57:38	1219118632	1219119159	784
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 21:59:02	1219140024	1219140551	784
Pre: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	24-Apr-2002 22:09:12	1219296303	1219297521	785
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	24-Apr-2002 22:09:56	1219307367	1219307894	785
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 22:10:58	1219323398	1219323925	785
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	24-Apr-2002 22:12:01	1219339429	1219339956	785
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 22:13:04	1219355462	1219355989	785
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 22:14:27	1219376852	1219377379	785
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 22:15:30	1219392883	1219393410	785
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 22:16:53	1219414275	1219414802	785
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 22:17:56	1219430306	1219430833	785
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 22:19:19	1219451699	1219452226	785
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 22:20:22	1219467730	1219468257	785
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 22:21:46	1219489121	1219489648	785
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	24-Apr-2002 22:22:48	1219505152	1219505679	785
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:23:57	1219522703	1219523230	785
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 22:24:59	1219538735	1219539262	785
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:26:08	1219556285	1219556812	785
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 22:27:11	1219572316	1219572843	785
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:28:19	1219589867	1219590394	785
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 22:29:22	1219605898	1219606425	785
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:30:30	1219623450	1219623977	785
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 22:31:33	1219639481	1219640008	785
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:32:42	1219657031	1219657558	785
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 22:33:44	1219673062	1219673589	785
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:34:53	1219690613	1219691140	785
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 22:35:55	1219706644	1219707171	785
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:37:04	1219724195	1219724722	785
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 22:38:07	1219740227	1219740754	785
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:39:15	1219757777	1219758304	785
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 22:40:18	1219773808	1219774335	785
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:41:26	1219791359	1219791886	785
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 22:42:29	1219807390	1219807917	785
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:43:37	1219824941	1219825468	785
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 22:44:40	1219840972	1219841499	785
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:45:49	1219858524	1219859051	785
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	24-Apr-2002 22:46:51	1219874554	1219875081	785
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:48:00	1219892105	1219892632	785
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 22:49:02	1219908137	1219908664	785
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	24-Apr-2002 22:50:11	1219925687	1219926214	785
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 22:51:14	1219941718	1219942245	785
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 22:52:22	1219959270	1219959797	785
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 22:53:25	1219975300	1219975827	785
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 22:54:33	1219992852	1219993379	785
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	24-Apr-2002 22:55:36	1220008882	1220009409	785
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	24-Apr-2002 22:56:45	1220026434	1220026961	785
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 22:57:47	1220042464	1220042991	785
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 22:58:56	1220060015	1220060542	785
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	24-Apr-2002 22:59:58	1220076047	1220076574	785
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	24-Apr-2002 23:01:07	1220093597	1220094124	785
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	24-Apr-2002 23:02:10	1220109629	1220110156	785
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 23:03:18	1220127179	1220127706	785
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	24-Apr-2002 23:04:42	1220148572	1220149099	785
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 23:06:05	1220169963	1220170490	785
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	24-Apr-2002 23:07:29	1220191355	1220191882	785
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 23:08:52	1220212748	1220213275	785
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 23:10:16	1220234139	1220234666	785

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 23:11:39	1220255531	1220256058	785
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	24-Apr-2002 23:13:03	1220276923	1220277450	785
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	24-Apr-2002 23:17:58	1220352394	1220353537	785
Pre: Weekly_Calibration_Eclipse	56	1	Pre_46	46	Low Data Rate (400 kHz)	24-Apr-2002 23:18:44	1220364212	1220365003	785
Pre: Weekly_Calibration_Eclipse	56	2	Pre_63	63	Low Data Rate (400 kHz)	24-Apr-2002 23:18:54	1220366767	1220367558	785
Pre: Weekly_Calibration_Eclipse	56	3	Pre_67	67	Low Data Rate (400 kHz)	24-Apr-2002 23:19:29	1220375722	1220376513	785
Pre: Weekly_Calibration_Eclipse	56	4	Pre_46	46	Low Data Rate (400 kHz)	24-Apr-2002 23:22:54	1220428195	1220428986	785
Pre: Weekly_Calibration_Eclipse	56	5	Pre_59	59	Low Data Rate (400 kHz)	24-Apr-2002 23:23:04	1220430750	1220432024	785
Pre: Weekly_Calibration_Eclipse	56	6	Pre_63	63	Low Data Rate (400 kHz)	24-Apr-2002 23:23:25	1220436273	1220437064	785
Pre: Weekly_Calibration_Eclipse	56	7	Pre_67	67	Low Data Rate (400 kHz)	24-Apr-2002 23:24:00	1220445228	1220446019	785
Pre: Weekly_Calibration_Eclipse	56	8	Pre_46	46	Low Data Rate (400 kHz)	24-Apr-2002 23:27:25	1220497701	1220498492	785
Pre: Weekly_Calibration_Eclipse	56	9	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 23:27:35	1220500257	1220500784	785
Pre: Weekly_Calibration_Eclipse	56	10	Pre_27	27	Low Data Rate (400 kHz)	24-Apr-2002 23:28:59	1220521648	1220522175	785
Pre: Weekly_Calibration_Eclipse	56	11	Pre_63	63	Low Data Rate (400 kHz)	24-Apr-2002 23:30:23	1220543041	1220543832	785
Pre: Weekly_Calibration_Eclipse	56	12	Pre_67	67	Low Data Rate (400 kHz)	24-Apr-2002 23:30:58	1220551996	1220552787	785
Pre: Weekly_Calibration_Eclipse	56	13	Pre_46	46	Low Data Rate (400 kHz)	24-Apr-2002 23:34:22	1220604469	1220605260	785
Pre: Weekly_Calibration_Eclipse	56	14	Pre_61	61	Low Data Rate (400 kHz)	24-Apr-2002 23:34:32	1220607024	1220608430	785
Pre: Weekly_Calibration_Eclipse	56	15	Pre_63	63	Low Data Rate (400 kHz)	24-Apr-2002 23:34:56	1220613001	1220613792	785
Pre: Weekly_Calibration_Eclipse	56	16	Pre_67	67	Low Data Rate (400 kHz)	24-Apr-2002 23:35:31	1220621955	1220622746	785
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 00:58:33	1221897467	1221898610	786
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 01:24:20	1222293342	1222293869	787
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 01:25:22	1222309373	1222309900	787
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 01:26:25	1222325404	1222325931	787
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 01:27:28	1222341436	1222341963	787
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Pre_49	49	High Data Rate (1867 kHz)	25-Apr-2002 01:28:30	1222357467	1222358258	787
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 01:30:49	1222393036	1222393563	787
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 01:31:52	1222409067	1222409594	787
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 01:32:54	1222425097	1222425624	787
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 01:33:57	1222441128	1222441655	787
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 01:35:00	1222457159	1222457686	787
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 01:36:23	1222478551	1222479078	787
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 01:37:26	1222494583	1222495110	787
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 01:38:49	1222515974	1222516501	787
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 01:39:52	1222532005	1222532532	787
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 01:41:15	1222553398	1222553925	787
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 01:42:18	1222569428	1222569955	787
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 01:43:27	1222586980	1222587507	787
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 01:44:29	1222603010	1222603537	787
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 01:45:38	1222620561	1222621088	787
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 01:46:40	1222636593	1222637120	787
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 01:47:49	1222654143	1222654670	787
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 01:48:52	1222670175	1222670702	787
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 01:50:00	1222687725	1222688252	787
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 01:51:03	1222703756	1222704283	787
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 01:52:11	1222721307	1222721834	787
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 01:53:14	1222737338	1222737865	787
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 01:54:23	1222754890	1222755417	787
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 01:55:25	1222770920	1222771447	787
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 01:56:34	1222788471	1222788998	787
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 01:57:36	1222804502	1222805029	787
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 01:58:45	1222822053	1222822580	787
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 01:59:48	1222838084	1222838611	787
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 02:00:56	1222855635	1222856162	787
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 02:01:59	1222871666	1222872193	787
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 02:03:07	1222889217	1222889744	787
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 02:04:10	1222905248	1222905775	787
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 02:05:18	1222922800	1222923327	787
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 02:06:21	1222938830	1222939357	787
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 02:07:30	1222956382	1222956909	787

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 02:08:32	1222972412	1222972939	787
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 02:09:41	1222989963	1222990490	787
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 02:10:43	1223005994	1223006521	787
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 02:11:52	1223023545	1223024072	787
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 02:12:55	1223039577	1223040104	787
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 02:14:03	1223057127	1223057654	787
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 02:15:06	1223073158	1223073685	787
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 02:16:14	1223090709	1223091236	787
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 02:17:17	1223106740	1223107267	787
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 02:18:26	1223124292	1223124819	787
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 02:19:28	1223140322	1223140849	787
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 02:20:37	1223157873	1223158400	787
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 02:21:39	1223173904	1223174431	787
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 02:22:48	1223191456	1223191983	787
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 02:24:11	1223212848	1223213375	787
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 02:25:35	1223234239	1223234766	787
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 02:26:59	1223255632	1223256159	787
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 02:28:22	1223277023	1223277550	787
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 02:29:46	1223298415	1223298942	787
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 02:31:09	1223319807	1223320334	787
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 02:32:33	1223341200	1223341727	787
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 02:33:56	1223362592	1223363119	787
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 02:39:09	1223442564	1223443707	787
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:39:55	1223454382	1223454909	787
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:41:19	1223475775	1223476302	787
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:42:42	1223497166	1223497693	787
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:44:06	1223518558	1223519085	787
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:45:29	1223539950	1223540477	787
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:46:53	1223561342	1223561869	787
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:48:16	1223582734	1223583261	787
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:49:40	1223604126	1223604653	787
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:51:03	1223625520	1223626047	787
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:52:27	1223646910	1223647437	787
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:53:51	1223668302	1223668829	787
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:55:14	1223689694	1223690221	787
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:56:38	1223711086	1223711613	787
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:58:01	1223732478	1223733005	787
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 02:59:25	1223753870	1223754397	787
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 03:00:48	1223775265	1223775792	787
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 03:04:55	1223838451	1223838978	788
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 03:05:58	1223854482	1223855009	788
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 03:07:00	1223870514	1223871041	788
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 03:08:03	1223886544	1223887071	788
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Pre_49	49	High Data Rate (1867 kHz)	25-Apr-2002 03:09:06	1223902575	1223903366	788
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 03:11:25	1223938145	1223938672	788
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 03:12:27	1223954175	1223954702	788
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 03:13:30	1223970206	1223970733	788
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 03:14:33	1223986237	1223986764	788
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 03:15:56	1224007629	1224008156	788
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 03:16:59	1224023661	1224024188	788
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 03:18:22	1224045052	1224045579	788
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 03:19:25	1224061083	1224061610	788
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 03:20:48	1224082475	1224083002	788
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 03:21:51	1224098506	1224099033	788
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 03:23:15	1224119898	1224120425	788
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 03:24:17	1224135929	1224136456	788
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:25:26	1224153480	1224154007	788
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 03:26:28	1224169512	1224170039	788
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:27:37	1224187062	1224187589	788

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 03:28:40	1224203093	1224203620	788
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:29:48	1224220644	1224221171	788
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 03:30:51	1224236675	1224237202	788
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:31:59	1224254226	1224254753	788
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 03:33:02	1224270258	1224270785	788
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:34:11	1224287809	1224288336	788
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 03:35:13	1224303839	1224304366	788
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:36:22	1224321390	1224321917	788
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 03:37:24	1224337421	1224337948	788
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:38:33	1224354973	1224355500	788
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 03:39:36	1224371004	1224371531	788
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:40:44	1224388554	1224389081	788
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 03:41:47	1224404586	1224405113	788
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:42:55	1224422137	1224422664	788
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 03:43:58	1224438167	1224438694	788
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:45:06	1224455719	1224456246	788
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 03:46:09	1224471750	1224472277	788
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:47:18	1224489301	1224489828	788
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 03:48:20	1224505332	1224505859	788
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:49:29	1224522882	1224523409	788
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 03:50:31	1224538914	1224539441	788
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 03:51:40	1224556464	1224556991	788
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 03:52:43	1224572495	1224573022	788
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 03:53:51	1224590046	1224590573	788
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 03:54:54	1224606077	1224606604	788
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 03:56:02	1224623628	1224624155	788
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 03:57:05	1224639659	1224640186	788
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 03:58:13	1224657210	1224657737	788
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 03:59:16	1224673241	1224673768	788
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 04:00:25	1224690793	1224691320	788
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 04:01:27	1224706823	1224707350	788
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 04:02:36	1224724374	1224724901	788
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 04:03:38	1224740405	1224740932	788
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 04:04:47	1224757956	1224758483	788
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 04:06:11	1224779348	1224779875	788
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 04:07:34	1224800741	1224801268	788
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 04:08:58	1224822132	1224822659	788
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 04:10:21	1224843525	1224844052	788
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 04:11:45	1224864916	1224865443	788
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 04:13:08	1224886309	1224886836	788
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 04:14:32	1224907700	1224908227	788
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 04:19:44	1224987678	1224988201	788
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:20:31	1224999496	1225000023	788
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:21:54	1225020888	1225021415	788
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:23:18	1225042279	1225042806	788
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:24:41	1225063671	1225064198	788
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:26:05	1225085063	1225085590	788
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:27:28	1225106457	1225106984	788
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:28:52	1225127847	1225128374	788
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:30:15	1225149239	1225149766	788
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:31:39	1225170632	1225171159	788
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:33:03	1225192023	1225192550	788
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:34:26	1225213415	1225213942	788
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:35:50	1225234808	1225235335	788
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:37:13	1225256199	1225256726	788
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:38:37	1225277591	1225278118	788
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:40:00	1225298984	1225299511	788
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 04:41:24	1225320376	1225320903	788
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 06:00:20	1226532779	1226533306	789
Pre: MO&C (pointing, long duration)	10	1	Pre_57	57	Low Data Rate (400 kHz)	25-Apr-2002 07:27:26	1227870667	1227871194	790
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 07:40:56	1228077893	1228079036	790
1. SF Alignment Moon OBJ 32	18	1	M_SF_1	9	Low Data Rate (400 kHz)	25-Apr-2002 09:08:17	1229419672	1229420199	791
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 09:21:31	1229622973	1229624116	791
2. SF Alignment Moon OBJ 32	19	1	M_SF_2	10	Low Data Rate (400 kHz)	25-Apr-2002 10:48:42	1230962158	1230962685	792

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 11:02:06	1231168047	1231169190	792
3. SF Alignment Moon OBJ 32	20	1	M_SF_3	11	Low Data Rate (400 kHz)	25-Apr-2002 12:29:07	1232504590	1232505117	793
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 12:42:42	1232713113	1232714256	793
4. SF Alignment Moon OBJ 32	21	1	M_SF_4	12	Low Data Rate (400 kHz)	25-Apr-2002 14:09:32	1234046991	1234047518	794
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 14:23:17	1234258195	1234259338	794
5. SF Alignment Moon OBJ 32	22	1	M_SF_5	13	Low Data Rate (400 kHz)	25-Apr-2002 15:49:57	1235589392	1235589919	795
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 16:03:53	1235803307	1235804450	795
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 17:44:29	1237348424	1237349567	796
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 18:10:16	1237744524	1237745051	797
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 18:11:18	1237760556	1237761083	797
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 18:12:21	1237776586	1237777113	797
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 18:13:24	1237792617	1237793144	797
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	25-Apr-2002 18:14:26	1237808648	1237809439	797
Pre: Sun_Calibration (fast sweep scanning)	3	1	Pre_50	50	High Data Rate (1867 kHz)	25-Apr-2002 18:15:45	1237828849	1237829640	797
Pre: ESM: Sun_Diffuser (ND in)	8	1	Pre_62	62	High Data Rate (1867 kHz)	25-Apr-2002 18:16:19	1237837531	1237838881	797
Pre: Limb/Nadir Sequence 1	25	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 18:17:23	1237853843	1237854370	797
Pre: Limb/Nadir Sequence 1	25	2	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 18:18:25	1237869873	1237870400	797
Pre: Limb/Nadir Sequence 1	25	3	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 18:19:28	1237885904	1237886431	797
Pre: Limb/Nadir Sequence 1	25	4	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 18:20:31	1237901935	1237902462	797
Pre: Limb/Nadir Sequence 1	25	5	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 18:21:33	1237917966	1237918493	797
Pre: Limb/Nadir Sequence 1	25	6	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 18:22:57	1237939359	1237939886	797
Pre: Limb/Nadir Sequence 1	25	7	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 18:24:00	1237955389	1237955916	797
Pre: Limb/Nadir Sequence 1	25	8	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 18:25:23	1237976781	1237977308	797
Pre: Limb/Nadir Sequence 1	25	9	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 18:26:26	1237992812	1237993339	797
Pre: Limb/Nadir Sequence 1	25	10	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 18:27:49	1238014205	1238014732	797
Pre: Limb/Nadir Sequence 1	25	11	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 18:28:52	1238030236	1238030763	797
Pre: Limb/Nadir Sequence 1	25	12	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:30:00	1238047786	1238048313	797
Pre: Limb/Nadir Sequence 1	25	13	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 18:31:03	1238063817	1238064344	797
Pre: Limb/Nadir Sequence 1	25	14	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:32:12	1238081369	1238081896	797
Pre: Limb/Nadir Sequence 1	25	15	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 18:33:14	1238097399	1238097926	797
Pre: Limb/Nadir Sequence 1	25	16	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:34:23	1238114951	1238115478	797
Pre: Limb/Nadir Sequence 1	25	17	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 18:35:25	1238130981	1238131508	797
Pre: Limb/Nadir Sequence 1	25	18	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:36:34	1238148533	1238149060	797
Pre: Limb/Nadir Sequence 1	25	19	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 18:37:37	1238164564	1238165091	797
Pre: Limb/Nadir Sequence 1	25	20	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:38:45	1238182115	1238182642	797
Pre: Limb/Nadir Sequence 1	25	21	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 18:39:48	1238198146	1238198673	797
Pre: Limb/Nadir Sequence 1	25	22	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:40:56	1238215697	1238216224	797
Pre: Limb/Nadir Sequence 1	25	23	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 18:41:59	1238231728	1238232255	797
Pre: Limb/Nadir Sequence 1	25	24	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:43:08	1238249278	1238249805	797
Pre: Limb/Nadir Sequence 1	25	25	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 18:44:10	1238265309	1238265836	797
Pre: Limb/Nadir Sequence 1	25	26	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:45:19	1238282861	1238283388	797
Pre: Limb/Nadir Sequence 1	25	27	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 18:46:21	1238298891	1238299418	797
Pre: Limb/Nadir Sequence 1	51	1	Pre_60	60	Low Data Rate (400 kHz)	25-Apr-2002 18:47:54	1238322579	1238323617	797
Pre: Limb/Nadir Sequence 1	51	2	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:48:22	1238329865	1238330392	797
Pre: Limb/Nadir Sequence 1	51	3	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 18:49:25	1238345896	1238346423	797
Pre: Limb/Nadir Sequence 1	51	4	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:50:33	1238363446	1238363973	797
Pre: Limb/Nadir Sequence 1	51	5	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 18:51:36	1238379477	1238380004	797
Pre: Limb/Nadir Sequence 1	51	6	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:52:45	1238397028	1238397555	797
Pre: Limb/Nadir Sequence 1	51	7	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 18:53:47	1238413059	1238413586	797
Pre: Limb/Nadir Sequence 1	51	8	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 18:54:56	1238430610	1238431137	797
Pre: Limb/Nadir Sequence 1	51	9	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 18:55:58	1238446642	1238447169	797
Pre: Limb/Nadir Sequence 1	51	10	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 18:57:07	1238464192	1238464719	797
Pre: Limb/Nadir Sequence 1	51	11	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 18:58:10	1238480223	1238480750	797
Pre: Limb/Nadir Sequence 1	51	12	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 18:59:18	1238497774	1238498301	797
Pre: Limb/Nadir Sequence 1	51	13	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 19:00:21	1238513806	1238514333	797
Pre: Limb/Nadir Sequence 1	51	14	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 19:01:29	1238531357	1238531884	797
Pre: Limb/Nadir Sequence 1	51	15	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 19:02:32	1238547388	1238547915	797
Pre: Limb/Nadir Sequence 1	51	16	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 19:03:41	1238564938	1238565465	797
Pre: Limb/Nadir Sequence 1	51	17	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 19:04:43	1238580969	1238581496	797

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OB T	Expected ISP OB T	In Orbit
Pre: Limb/Nadir Sequence 1	51	18	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 19:05:52	1238598521	1238599048	797
Pre: Limb/Nadir Sequence 1	51	19	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 19:06:54	1238614552	1238615079	797
Pre: Limb/Nadir Sequence 1	51	20	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 19:08:03	1238632103	1238632630	797
Pre: Limb/Nadir Sequence 1	51	21	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 19:09:26	1238653494	1238654021	797
Pre: Limb/Nadir Sequence 1	51	22	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 19:10:50	1238674886	1238675413	797
Pre: Limb/Nadir Sequence 1	51	23	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 19:12:14	1238696279	1238696806	797
Pre: Limb/Nadir Sequence 1	51	24	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 19:13:37	1238717670	1238718197	797
Pre: Limb/Nadir Sequence 1	51	25	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 19:15:01	1238739062	1238739589	797
Pre: Limb/Nadir Sequence 1	51	26	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 19:16:24	1238760454	1238760981	797
Pre: Limb/Nadir Sequence 1	51	27	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 19:17:48	1238781846	1238782373	797
Pre: Limb/Nadir Sequence 1	51	28	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 19:19:11	1238803238	1238803765	797
Pre: Limb/Nadir Sequence 1	51	29	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 19:20:35	1238824631	1238825158	797
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 19:25:04	1238893522	1238894665	797
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:25:50	1238905340	1238905867	797
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:27:14	1238926732	1238927259	797
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:28:37	1238948125	1238948652	797
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:30:01	1238969517	1238970044	797
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:31:25	1238990908	1238991435	797
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:32:48	1239012300	1239012827	797
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:34:12	1239033693	1239034220	797
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:35:35	1239055084	1239055611	797
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:36:59	1239076476	1239077003	797
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:38:22	1239097868	1239098395	797
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:39:46	1239119260	1239119787	797
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:41:09	1239140652	1239141179	797
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:42:33	1239162045	1239162572	797
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:43:57	1239183437	1239183964	797
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:45:20	1239204828	1239205355	797
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 19:46:44	1239226220	1239226747	797
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 19:50:51	1239289655	1239290182	798
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 19:51:54	1239305685	1239306212	798
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 19:52:57	1239321716	1239322243	798
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 19:53:59	1239337747	1239338274	798
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	25-Apr-2002 19:55:02	1239353779	1239354570	798
Pre: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Pre_68	68	High Data Rate (1867 kHz)	25-Apr-2002 19:56:21	1239373979	1239374770	798
Pre: ESM: Sun_Diffuser (ND in)	8	1	Pre_62	62	High Data Rate (1867 kHz)	25-Apr-2002 19:56:55	1239382651	1239384001	798
Pre: Limb/Nadir Sequence 2	52	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 19:58:22	1239405047	1239405574	798
Pre: Limb/Nadir Sequence 2	52	2	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 19:59:25	1239421077	1239421604	798
Pre: Limb/Nadir Sequence 2	52	3	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 20:00:27	1239437108	1239437635	798
Pre: Limb/Nadir Sequence 2	52	4	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 20:01:30	1239453139	1239453666	798
Pre: Limb/Nadir Sequence 2	52	5	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 20:02:54	1239474531	1239475058	798
Pre: Limb/Nadir Sequence 2	52	6	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 20:03:56	1239490562	1239491089	798
Pre: Limb/Nadir Sequence 2	52	7	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 20:05:20	1239511954	1239512481	798
Pre: Limb/Nadir Sequence 2	52	8	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 20:06:22	1239527986	1239528513	798
Pre: Limb/Nadir Sequence 2	52	9	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 20:07:46	1239549377	1239549904	798
Pre: Limb/Nadir Sequence 2	52	10	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 20:08:49	1239565409	1239565936	798
Pre: Limb/Nadir Sequence 2	52	11	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 20:10:12	1239586800	1239587327	798
Pre: Limb/Nadir Sequence 2	52	12	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 20:11:15	1239602831	1239603358	798
Pre: Limb/Nadir Sequence 2	52	13	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:12:23	1239620383	1239620910	798
Pre: Limb/Nadir Sequence 2	52	14	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 20:13:26	1239636413	1239636940	798
Pre: Limb/Nadir Sequence 2	52	15	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:14:35	1239653964	1239654491	798
Pre: Limb/Nadir Sequence 2	52	16	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 20:15:37	1239669995	1239670522	798
Pre: Limb/Nadir Sequence 2	52	17	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:16:46	1239687546	1239688073	798
Pre: Limb/Nadir Sequence 2	52	18	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 20:17:48	1239703580	1239704107	798
Pre: Limb/Nadir Sequence 2	52	19	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:18:57	1239721129	1239721656	798
Pre: Limb/Nadir Sequence 2	52	20	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 20:20:00	1239737159	1239737686	798
Pre: Limb/Nadir Sequence 2	52	21	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:21:08	1239754710	1239755237	798
Pre: Limb/Nadir Sequence 2	52	22	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 20:22:11	1239770741	1239771268	798

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	52	23	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:23:19	1239788292	1239788819	798
Pre: Limb/Nadir Sequence 2	52	24	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 20:24:22	1239804324	1239804851	798
Pre: Limb/Nadir Sequence 2	52	25	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:25:30	1239821874	1239822401	798
Pre: Limb/Nadir Sequence 2	52	26	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 20:26:33	1239837905	1239838432	798
Pre: Limb/Nadir Sequence 2	54	1	Pre_60	60	Low Data Rate (400 kHz)	25-Apr-2002 20:28:29	1239867679	1239868717	798
Pre: Limb/Nadir Sequence 2	54	2	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 20:28:58	1239874963	1239875490	798
Pre: Limb/Nadir Sequence 2	54	3	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:30:06	1239892515	1239893042	798
Pre: Limb/Nadir Sequence 2	54	4	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 20:31:09	1239908546	1239909073	798
Pre: Limb/Nadir Sequence 2	54	5	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:32:18	1239926096	1239926623	798
Pre: Limb/Nadir Sequence 2	54	6	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 20:33:20	1239942127	1239942654	798
Pre: Limb/Nadir Sequence 2	54	7	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:34:29	1239959679	1239960206	798
Pre: Limb/Nadir Sequence 2	54	8	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 20:35:31	1239975711	1239976238	798
Pre: Limb/Nadir Sequence 2	54	9	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 20:36:40	1239993261	1239993788	798
Pre: Limb/Nadir Sequence 2	54	10	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 20:37:43	1240009292	1240009819	798
Pre: Limb/Nadir Sequence 2	54	11	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 20:38:51	1240026842	1240027369	798
Pre: Limb/Nadir Sequence 2	54	12	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 20:39:54	1240042873	1240043400	798
Pre: Limb/Nadir Sequence 2	54	13	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 20:41:02	1240060425	1240060952	798
Pre: Limb/Nadir Sequence 2	54	14	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 20:42:05	1240076457	1240076984	798
Pre: Limb/Nadir Sequence 2	54	15	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 20:43:13	1240094006	1240094533	798
Pre: Limb/Nadir Sequence 2	54	16	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 20:44:16	1240110037	1240110564	798
Pre: Limb/Nadir Sequence 2	54	17	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 20:45:25	1240127588	1240128115	798
Pre: Limb/Nadir Sequence 2	54	18	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 20:46:27	1240143620	1240144147	798
Pre: Limb/Nadir Sequence 2	54	19	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 20:47:36	1240161170	1240161697	798
Pre: Limb/Nadir Sequence 2	54	20	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 20:48:38	1240177201	1240177728	798
Pre: Limb/Nadir Sequence 2	54	21	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 20:49:47	1240194752	1240195279	798
Pre: Limb/Nadir Sequence 2	54	22	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 20:51:11	1240216145	1240216672	798
Pre: Limb/Nadir Sequence 2	54	23	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 20:52:34	1240237536	1240238063	798
Pre: Limb/Nadir Sequence 2	54	24	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 20:53:58	1240258928	1240259455	798
Pre: Limb/Nadir Sequence 2	54	25	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 20:55:21	1240280321	1240280848	798
Pre: Limb/Nadir Sequence 2	54	26	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 20:56:45	1240301712	1240302239	798
Pre: Limb/Nadir Sequence 2	54	27	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 20:58:08	1240323104	1240323631	798
Pre: Limb/Nadir Sequence 2	54	28	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 20:59:32	1240344497	1240345024	798
Pre: Limb/Nadir Sequence 2	54	29	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 21:00:56	1240365888	1240366415	798
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 21:05:40	1240438597	1240439740	798
Pre: Weekly_Calibration_Eclipse	56	1	Pre_46	46	Low Data Rate (400 kHz)	25-Apr-2002 21:06:26	1240450415	1240451206	798
Pre: Weekly_Calibration_Eclipse	56	2	Pre_63	63	Low Data Rate (400 kHz)	25-Apr-2002 21:06:36	1240452970	1240453761	798
Pre: Weekly_Calibration_Eclipse	56	3	Pre_67	67	Low Data Rate (400 kHz)	25-Apr-2002 21:07:11	1240461925	1240462716	798
Pre: Weekly_Calibration_Eclipse	56	4	Pre_46	46	Low Data Rate (400 kHz)	25-Apr-2002 21:10:36	1240514398	1240515189	798
Pre: Weekly_Calibration_Eclipse	56	5	Pre_59	59	Low Data Rate (400 kHz)	25-Apr-2002 21:10:46	1240516953	1240518227	798
Pre: Weekly_Calibration_Eclipse	56	6	Pre_63	63	Low Data Rate (400 kHz)	25-Apr-2002 21:11:07	1240522477	1240523268	798
Pre: Weekly_Calibration_Eclipse	56	7	Pre_67	67	Low Data Rate (400 kHz)	25-Apr-2002 21:11:42	1240531432	1240532223	798
Pre: Weekly_Calibration_Eclipse	56	8	Pre_46	46	Low Data Rate (400 kHz)	25-Apr-2002 21:15:07	1240583905	1240584696	798
Pre: Weekly_Calibration_Eclipse	56	9	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 21:15:17	1240586459	1240586986	798
Pre: Weekly_Calibration_Eclipse	56	10	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 21:16:41	1240607851	1240608378	798
Pre: Weekly_Calibration_Eclipse	56	11	Pre_63	63	Low Data Rate (400 kHz)	25-Apr-2002 21:18:04	1240629243	1240630034	798
Pre: Weekly_Calibration_Eclipse	56	12	Pre_67	67	Low Data Rate (400 kHz)	25-Apr-2002 21:18:39	1240638198	1240638989	798
Pre: Weekly_Calibration_Eclipse	56	13	Pre_46	46	Low Data Rate (400 kHz)	25-Apr-2002 21:22:04	1240690672	1240691463	798
Pre: Weekly_Calibration_Eclipse	56	14	Pre_61	61	Low Data Rate (400 kHz)	25-Apr-2002 21:22:14	1240693227	1240694633	798
Pre: Weekly_Calibration_Eclipse	56	15	Pre_63	63	Low Data Rate (400 kHz)	25-Apr-2002 21:22:38	1240699207	1240699994	798
Pre: Weekly_Calibration_Eclipse	56	16	Pre_67	67	Low Data Rate (400 kHz)	25-Apr-2002 21:23:13	1240708159	1240708950	798
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 21:31:27	1240834765	1240835292	799
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 21:32:30	1240850795	1240851322	799
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 21:33:32	1240866826	1240867353	799
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 21:34:35	1240882858	1240883385	799
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	25-Apr-2002 21:35:38	1240898888	1240899679	799
Pre: Sun_Calibration (fast sweep scanning)	3	1	Pre_50	50	High Data Rate (1867 kHz)	25-Apr-2002 21:36:56	1240919087	1240919878	799
Pre: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	25-Apr-2002 21:37:31	1240927888	1240929106	799
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 21:38:14	1240938953	1240939480	799
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 21:39:17	1240954983	1240955510	799

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 21:40:19	1240971014	1240971541	799
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 21:41:22	1240987046	1240987573	799
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 21:42:25	1241003076	1241003603	799
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 21:43:48	1241024470	1241024997	799
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 21:44:51	1241040499	1241041026	799
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 21:46:14	1241061892	1241062419	799
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 21:47:17	1241077923	1241078450	799
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 21:48:40	1241099314	1241099841	799
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 21:49:43	1241115346	1241115873	799
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 21:50:52	1241132897	1241133424	799
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 21:51:54	1241148927	1241149454	799
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 21:53:03	1241166479	1241167006	799
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 21:54:05	1241182509	1241183036	799
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 21:55:14	1241200061	1241200588	799
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 21:56:17	1241216091	1241216618	799
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 21:57:25	1241233642	1241234169	799
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 21:58:28	1241249673	1241250200	799
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 21:59:36	1241267224	1241267751	799
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 22:00:39	1241283256	1241283783	799
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 22:01:48	1241300806	1241301333	799
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 22:02:50	1241316837	1241317364	799
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 22:03:59	1241334388	1241334915	799
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 22:05:01	1241350420	1241350947	799
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 22:06:10	1241367971	1241368498	799
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 22:07:13	1241384001	1241384528	799
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 22:08:21	1241401552	1241402079	799
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 22:09:24	1241417584	1241418111	799
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 22:10:32	1241435134	1241435661	799
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 22:11:35	1241451166	1241451693	799
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 22:12:43	1241468716	1241469243	799
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 22:13:46	1241484748	1241485275	799
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 22:14:55	1241502298	1241502825	799
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 22:15:57	1241518329	1241518856	799
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 22:17:06	1241535881	1241536408	799
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 22:18:08	1241551911	1241552438	799
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 22:19:17	1241569463	1241569990	799
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 22:20:20	1241585494	1241586021	799
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 22:21:28	1241603044	1241603571	799
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 22:22:31	1241619075	1241619602	799
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 22:23:39	1241636626	1241637153	799
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 22:24:42	1241652658	1241653185	799
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 22:25:51	1241670208	1241670735	799
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 22:26:53	1241686240	1241686767	799
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 22:28:02	1241703790	1241704317	799
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 22:29:04	1241719822	1241720349	799
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 22:30:13	1241737374	1241737901	799
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 22:31:36	1241758764	1241759291	799
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 22:33:00	1241780157	1241780684	799
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 22:34:24	1241801548	1241802075	799
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 22:35:47	1241822941	1241823468	799
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 22:37:11	1241844333	1241844860	799
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 22:38:34	1241865724	1241866251	799
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 22:39:58	1241887118	1241887645	799
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 22:41:21	1241908508	1241909035	799
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	25-Apr-2002 22:46:15	1241983665	1241984808	799
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 22:47:01	1241995483	1241996010	799
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 22:48:25	1242016875	1242017402	799
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 22:49:48	1242038267	1242038794	799
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 22:51:12	1242059661	1242060188	799
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 22:52:35	1242081052	1242081579	799
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 22:53:59	1242102443	1242102970	799
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 22:55:22	1242123835	1242124362	799
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 22:56:46	1242145227	1242145754	799
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 22:58:10	1242166619	1242167146	799

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 22:59:33	1242188011	1242188538	799
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 23:00:57	1242209404	1242209931	799
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 23:02:20	1242230795	1242231322	799
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 23:03:44	1242252188	1242252715	799
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 23:05:07	1242273579	1242274106	799
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 23:06:31	1242294971	1242295498	799
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	25-Apr-2002 23:07:55	1242316363	1242316890	799
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 23:12:03	1242379869	1242380396	800
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 23:13:05	1242395900	1242396427	800
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 23:14:08	1242411932	1242412459	800
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 23:15:10	1242427962	1242428489	800
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	25-Apr-2002 23:16:13	1242444393	1242444784	800
Pre: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Pre_68	68	High Data Rate (1867 kHz)	25-Apr-2002 23:17:32	1242464192	1242464983	800
Pre: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	25-Apr-2002 23:18:06	1242472989	1242474207	800
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	25-Apr-2002 23:18:50	1242484054	1242484581	800
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 23:19:52	1242500085	1242500612	800
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	25-Apr-2002 23:20:55	1242516117	1242516644	800
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 23:21:57	1242532147	1242532674	800
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 23:23:21	1242553539	1242554066	800
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	25-Apr-2002 23:24:24	1242569571	1242570098	800
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 23:25:47	1242590962	1242591489	800
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	25-Apr-2002 23:26:50	1242606994	1242607521	800
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	25-Apr-2002 23:28:13	1242628385	1242628912	800
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	25-Apr-2002 23:29:16	1242644416	1242644943	800
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	25-Apr-2002 23:30:40	1242665808	1242666335	800
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	25-Apr-2002 23:31:42	1242681839	1242682366	800
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:32:51	1242699391	1242699918	800
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	25-Apr-2002 23:33:53	1242715421	1242715948	800
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:35:02	1242732973	1242733500	800
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 23:36:05	1242749003	1242749530	800
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:37:13	1242766554	1242767081	800
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 23:38:16	1242782585	1242783112	800
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:39:24	1242800136	1242800663	800
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 23:40:27	1242816167	1242816694	800
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:41:35	1242833718	1242834245	800
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 23:42:38	1242849749	1242850276	800
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:43:47	1242867301	1242867828	800
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 23:44:49	1242883331	1242883858	800
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:45:58	1242900883	1242901410	800
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 23:47:00	1242916913	1242917440	800
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:48:09	1242934464	1242934991	800
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 23:49:12	1242950496	1242951023	800
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:50:20	1242968047	1242968574	800
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 23:51:23	1242984078	1242984605	800
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:52:31	1243001628	1243002155	800
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 23:53:34	1243017659	1243018186	800
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:54:43	1243035211	1243035738	800
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	25-Apr-2002 23:55:45	1243051241	1243051768	800
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:56:54	1243068792	1243069319	800
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	25-Apr-2002 23:57:56	1243084824	1243085351	800
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	25-Apr-2002 23:59:05	1243102374	1243102901	800
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 00:00:08	1243118406	1243118933	800
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 00:01:16	1243135957	1243136484	800
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 00:02:19	1243151987	1243152514	800
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 00:03:27	1243169538	1243170065	800
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 00:04:30	1243185569	1243186096	800
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 00:05:38	1243203120	1243203647	800
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 00:06:41	1243219151	1243219678	800

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 00:07:50	1243236702	1243237229	800
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 00:08:52	1243252733	1243253260	800
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 00:10:01	1243270285	1243270812	800
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	26-Apr-2002 00:11:03	1243286315	1243286842	800
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 00:12:12	1243303867	1243304394	800
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 00:13:36	1243325259	1243325786	800
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 00:14:59	1243346650	1243347177	800
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 00:16:23	1243368042	1243368569	800
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 00:17:46	1243389434	1243389961	800
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 00:19:10	1243410827	1243411354	800
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 00:20:33	1243432219	1243432746	800
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 00:21:57	1243453610	1243454137	800
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 00:26:50	1243528740	1243529883	800
Pre: Weekly_Calibration_Eclipse	56	1	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 00:27:37	1243540557	1243541348	800
Pre: Weekly_Calibration_Eclipse	56	2	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 00:27:47	1243543112	1243543903	800
Pre: Weekly_Calibration_Eclipse	56	3	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 00:28:22	1243552067	1243552858	800
Pre: Weekly_Calibration_Eclipse	56	4	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 00:31:47	1243604540	1243605331	800
Pre: Weekly_Calibration_Eclipse	56	5	Pre_59	59	Low Data Rate (400 kHz)	26-Apr-2002 00:31:56	1243607096	1243608370	800
Pre: Weekly_Calibration_Eclipse	56	6	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 00:32:18	1243612618	1243613409	800
Pre: Weekly_Calibration_Eclipse	56	7	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 00:32:53	1243621574	1243622365	800
Pre: Weekly_Calibration_Eclipse	56	8	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 00:36:18	1243674046	1243674837	800
Pre: Weekly_Calibration_Eclipse	56	9	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 00:36:28	1243676602	1243677129	800
Pre: Weekly_Calibration_Eclipse	56	10	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 00:37:52	1243697993	1243698520	800
Pre: Weekly_Calibration_Eclipse	56	11	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 00:39:15	1243719386	1243720177	800
Pre: Weekly_Calibration_Eclipse	56	12	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 00:39:50	1243728340	1243729131	800
Pre: Weekly_Calibration_Eclipse	56	13	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 00:43:15	1243780813	1243781604	800
Pre: Weekly_Calibration_Eclipse	56	14	Pre_61	61	Low Data Rate (400 kHz)	26-Apr-2002 00:43:25	1243783368	1243784774	800
Pre: Weekly_Calibration_Eclipse	56	15	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 00:43:48	1243789346	1243790137	800
Pre: Weekly_Calibration_Eclipse	56	16	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 00:44:23	1243798301	1243799022	800
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 02:07:26	1245073828	1245074971	801
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 02:33:10	1245469046	1245469573	802
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 02:34:12	1245485076	1245485603	802
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 02:35:15	1245501107	1245501634	802
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 02:36:18	1245517138	1245517665	802
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Pre_51	51	High Data Rate (1867 kHz)	26-Apr-2002 02:37:20	1245533169	1245533960	802
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 02:38:33	1245551842	1245552369	802
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	26-Apr-2002 02:39:36	1245567874	1245568401	802
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	26-Apr-2002 02:40:38	1245583905	1245584432	802
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 02:41:41	1245599936	1245600463	802
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 02:42:44	1245615967	1245616494	802
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 02:44:07	1245637358	1245637885	802
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 02:45:10	1245653390	1245653917	802
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 02:46:33	1245674781	1245675308	802
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 02:47:36	1245690812	1245691339	802
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 02:49:00	1245712205	1245712732	802
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	26-Apr-2002 02:50:02	1245728235	1245728762	802
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 02:51:11	1245745787	1245746314	802
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 02:52:13	1245761817	1245762344	802
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 02:53:22	1245779369	1245779896	802
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 02:54:25	1245795399	1245795926	802
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 02:55:33	1245812950	1245813477	802
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 02:56:36	1245828982	1245829509	802
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 02:57:44	1245846532	1245847059	802
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 02:58:47	1245862564	1245863091	802
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 02:59:55	1245880115	1245880642	802
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 03:00:58	1245896146	1245896673	802
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 03:02:07	1245913696	1245914223	802
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 03:03:09	1245929727	1245930254	802
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 03:04:18	1245947278	1245947805	802

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 03:05:20	1245963309	1245963836	802
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 03:06:29	1245980860	1245981387	802
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 03:07:32	1245996891	1245997418	802
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 03:08:40	1246014442	1246014969	802
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 03:09:43	1246030474	1246031001	802
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 03:10:51	1246048025	1246048552	802
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 03:11:54	1246064055	1246064582	802
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 03:13:03	1246081606	1246082133	802
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 03:14:05	1246097637	1246098164	802
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 03:15:14	1246115189	1246115716	802
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 03:16:16	1246131219	1246131746	802
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 03:17:25	1246148770	1246149297	802
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 03:18:28	1246164801	1246165328	802
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 03:19:36	1246182352	1246182879	802
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 03:20:39	1246198384	1246198911	802
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 03:21:47	1246215934	1246216461	802
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 03:22:50	1246231966	1246232493	802
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 03:23:58	1246249517	1246250044	802
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 03:25:01	1246265547	1246266074	802
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 03:26:10	1246283098	1246283625	802
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 03:27:12	1246299129	1246299656	802
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 03:28:21	1246316681	1246317208	802
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	26-Apr-2002 03:29:23	1246332711	1246333238	802
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 03:30:32	1246350262	1246350789	802
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 03:31:56	1246371655	1246372182	802
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 03:33:19	1246393047	1246393574	802
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 03:34:43	1246414439	1246414966	802
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 03:36:06	1246435830	1246436357	802
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 03:37:30	1246457222	1246457749	802
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 03:38:53	1246478614	1246479141	802
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 03:40:17	1246500006	1246500533	802
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 03:41:40	1246521398	1246521925	802
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 03:48:02	1246618940	1246620083	802
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 03:48:48	1246630759	1246631286	802
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 03:50:11	1246652150	1246652677	802
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 03:51:35	1246673542	1246674069	802
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 03:52:58	1246694935	1246695462	802
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 03:54:22	1246716326	1246716853	802
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 03:55:45	1246737718	1246738245	802
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 03:57:09	1246759110	1246759637	802
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 03:58:33	1246780503	1246781030	802
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 03:59:56	1246801894	1246802421	802
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 04:01:20	1246823287	1246823814	802
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 04:02:43	1246844678	1246845205	802
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 04:04:07	1246866070	1246866597	802
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 04:05:30	1246887462	1246887989	802
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 04:06:54	1246908854	1246909381	802
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 04:08:18	1246930247	1246930774	802
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 04:09:41	1246951638	1246952165	802
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 04:13:45	1247014179	1247014706	803
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 04:14:48	1247030211	1247030738	803
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 04:15:51	1247046242	1247046769	803
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 04:16:53	1247062273	1247062800	803
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Pre_51	51	High Data Rate (1867 kHz)	26-Apr-2002 04:17:56	1247078303	1247079094	803
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 04:19:09	1247096976	1247097503	803
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	26-Apr-2002 04:20:11	1247113007	1247113534	803
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	26-Apr-2002 04:21:14	1247129038	1247129565	803
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 04:22:17	1247145070	1247145597	803
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 04:23:40	1247166462	1247166989	803

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 04:24:43	1247182492	1247183019	803
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 04:26:06	1247203884	1247204411	803
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 04:27:09	1247219915	1247220442	803
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 04:28:33	1247241307	1247241834	803
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 04:29:35	1247257338	1247257865	803
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 04:30:59	1247278730	1247279257	803
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	26-Apr-2002 04:32:01	1247294761	1247295288	803
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:33:10	1247312312	1247312839	803
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 04:34:13	1247328343	1247328870	803
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:35:21	1247345894	1247346421	803
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 04:36:24	1247361926	1247362453	803
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:37:32	1247379476	1247380003	803
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 04:38:35	1247395507	1247396034	803
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:39:44	1247413059	1247413586	803
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 04:40:46	1247429089	1247429616	803
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:41:55	1247446641	1247447168	803
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 04:42:57	1247462671	1247463198	803
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:44:06	1247480223	1247480750	803
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 04:45:09	1247496254	1247496781	803
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:46:17	1247513805	1247514332	803
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 04:47:20	1247529835	1247530362	803
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:48:28	1247547386	1247547913	803
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 04:49:31	1247563438	1247563965	803
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:50:39	1247580969	1247581496	803
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 04:51:42	1247597000	1247597527	803
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:52:51	1247614550	1247615077	803
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 04:53:53	1247630581	1247631108	803
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:55:02	1247648132	1247648659	803
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 04:56:04	1247664164	1247664691	803
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:57:13	1247681715	1247682242	803
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 04:58:16	1247697745	1247698272	803
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 04:59:24	1247715296	1247715823	803
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 05:00:27	1247731328	1247731855	803
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 05:01:35	1247748878	1247749405	803
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 05:02:38	1247764910	1247765437	803
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 05:03:47	1247782460	1247782987	803
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 05:04:49	1247798491	1247799018	803
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 05:05:58	1247816043	1247816570	803
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 05:07:00	1247832073	1247832600	803
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 05:08:09	1247849624	1247850151	803
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 05:09:11	1247865655	1247866182	803
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 05:10:20	1247883206	1247883733	803
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	26-Apr-2002 05:11:23	1247899238	1247899765	803
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 05:12:31	1247916788	1247917315	803
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 05:13:55	1247938180	1247938707	803
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 05:15:18	1247959573	1247960100	803
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 05:16:42	1247980964	1247981491	803
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 05:18:05	1248002356	1248002883	803
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 05:19:29	1248023748	1248024275	803
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 05:20:53	1248045140	1248045667	803
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 05:22:16	1248066532	1248067059	803
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 05:28:37	1248164057	1248165200	803
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:29:23	1248175875	1248176402	803
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:30:47	1248197268	1248197795	803
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:32:10	1248218659	1248219186	803
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:33:34	1248240052	1248240579	803
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:34:58	1248261443	1248261970	803
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:36:21	1248282835	1248283362	803
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:37:45	1248304228	1248304755	803
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:39:08	1248325620	1248326147	803
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:40:32	1248347011	1248347538	803
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:41:55	1248368403	1248368930	803
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:43:19	1248389795	1248390322	803
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:44:42	1248411187	1248411714	803

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:46:06	1248432579	1248433106	803
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:47:30	1248453971	1248454498	803
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:48:53	1248475363	1248475890	803
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 05:50:17	1248496755	1248497282	803
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 07:09:13	1249709165	1249710308	804
Pre: MO&C (pointing, long duration)	10	1	Pre_57	57	Low Data Rate (400 kHz)	26-Apr-2002 08:33:31	1251004065	1251004592	805
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 08:49:48	1251254248	1251255391	805
1. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	15	1	M_IFOV_ASM	22	Low Data Rate (400 kHz)	26-Apr-2002 10:14:41	1252557942	1252558469	806
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 10:30:24	1252799325	1252800468	806
2. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	16	1	M_IFOV_ESM	34	Low Data Rate (400 kHz)	26-Apr-2002 11:55:04	1254099779	1254100306	807
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 12:10:59	1254344392	1254345533	807
4. SF Alignment Moon OBJ 32	21	1	M_SF_4	12	Low Data Rate (400 kHz)	26-Apr-2002 13:35:06	1255636456	1255636983	808
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 13:51:34	1255889464	1255890607	808
5. SF Alignment Moon OBJ 32	22	1	M_SF_5	13	Low Data Rate (400 kHz)	26-Apr-2002 15:15:29	1257178209	1257178736	809
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 15:32:10	1257434573	1257435716	809
Timing of Sun Fixed Event Moon OBJ 62	23	1	M_SF_6	21	Low Data Rate (400 kHz)	26-Apr-2002 16:55:51	1258719931	1258720458	810
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 17:12:46	1258979693	1258980836	810
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 18:53:21	1260524801	1260525944	811
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 19:19:10	1260921277	1260921804	812
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 19:20:13	1260937308	1260937835	812
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 19:21:15	1260953339	1260953866	812
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 19:22:18	1260969370	1260969897	812
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	26-Apr-2002 19:23:20	1260985400	1260986191	812
Pre: Sun_Nadir_Mirror_Calibration (pointing)	5	1	Pre_64	64	High Data Rate (1867 kHz)	26-Apr-2002 19:24:39	1261005585	1261006376	812
Pre: Sun_Nadir_Mirror_Calibration (nominal scanning)	6	1	Pre_66	66	High Data Rate (1867 kHz)	26-Apr-2002 19:24:52	1261008769	1261009560	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	1	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 19:26:13	1261029535	1261030326	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	2	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 19:26:48	1261038490	1261039281	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	3	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 19:30:13	1261090963	1261091754	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	4	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 19:30:23	1261093519	1261094310	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	5	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 19:30:58	1261102473	1261103264	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	6	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 19:34:23	1261154946	1261155737	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	7	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 19:34:33	1261157502	1261158293	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	8	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 19:35:08	1261166456	1261167247	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	9	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 19:38:33	1261218930	1261219721	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	10	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 19:38:43	1261221484	1261222275	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	11	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 19:39:18	1261230440	1261231231	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	12	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 19:42:43	1261289213	1261283704	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	13	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 19:42:53	1261285468	1261286259	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	14	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 19:43:28	1261294423	1261295214	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	15	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 19:46:53	1261346895	1261347686	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	16	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 19:47:03	1261349451	1261350242	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	17	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 19:47:38	1261358405	1261359196	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	18	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 19:51:03	1261410878	1261411669	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	19	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 19:51:12	1261413434	1261414225	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	20	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 19:51:47	1261422389	1261423180	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	21	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 19:55:12	1261474862	1261475653	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	22	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 19:55:22	1261477416	1261478207	812
Pre: Monthly_Special_Calibration_Orbit_2/3	60	23	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 19:55:32	1261479971	1261480762	812
Pre: Monthly_Special_Calibration_Orbit_2	61	1	Pre_58	58	Low Data Rate (400 kHz)	26-Apr-2002 19:56:48	1261499201	1261500239	812
Pre: Monthly_Special_Calibration_Orbit_2	61	2	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 19:57:16	1261506488	1261507279	812
Pre: Monthly_Special_Calibration_Orbit_2	61	3	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 19:57:51	1261515443	1261516234	812
Pre: Monthly_Special_Calibration_Orbit_2	61	4	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 20:01:16	1261567916	1261568707	812
Pre: Monthly_Special_Calibration_Orbit_2	61	5	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 20:01:26	1261570471	1261571262	812

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Monthly_Special_Calibration_Orbit_2	61	6	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 20:02:01	1261579426	1261580217	812
Pre: Monthly_Special_Calibration_Orbit_2	61	7	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 20:05:26	1261631899	1261632690	812
Pre: Monthly_Special_Calibration_Orbit_2	61	8	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 20:05:36	1261634453	1261635244	812
Pre: Monthly_Special_Calibration_Orbit_2	61	9	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 20:06:11	1261643408	1261644199	812
Pre: Monthly_Special_Calibration_Orbit_2	61	10	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 20:09:36	1261695882	1261696673	812
Pre: Monthly_Special_Calibration_Orbit_2	61	11	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 20:09:46	1261698436	1261699227	812
Pre: Monthly_Special_Calibration_Orbit_2	61	12	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 20:10:21	1261707391	1261708182	812
Pre: Monthly_Special_Calibration_Orbit_2	61	13	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 20:13:46	1261759864	1261760655	812
Pre: Monthly_Special_Calibration_Orbit_2	61	14	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 20:13:56	1261762419	1261763210	812
Pre: Monthly_Special_Calibration_Orbit_2	61	15	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 20:14:31	1261771374	1261772165	812
Pre: Monthly_Special_Calibration_Orbit_2	61	16	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 20:17:56	1261823847	1261824638	812
Pre: Monthly_Special_Calibration_Orbit_2	61	17	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 20:18:06	1261826402	1261827193	812
Pre: Monthly_Special_Calibration_Orbit_2	61	18	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 20:18:41	1261835357	1261836148	812
Pre: Monthly_Special_Calibration_Orbit_2	61	19	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 20:22:06	1261887830	1261888621	812
Pre: Monthly_Special_Calibration_Orbit_2	61	20	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 20:22:16	1261890385	1261891176	812
Pre: Monthly_Special_Calibration_Orbit_2	61	21	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 20:22:51	1261899340	1261900131	812
Pre: Monthly_Special_Calibration_Orbit_2	61	22	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 20:26:16	1261951813	1261952604	812
Pre: Monthly_Special_Calibration_Orbit_2	61	23	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 20:26:26	1261954368	1261955159	812
Pre: Monthly_Special_Calibration_Orbit_2	61	24	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 20:27:00	1261963323	1261964114	812
Pre: Monthly_Special_Calibration_Orbit_2	61	25	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 20:30:25	1262015796	1262016587	812
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 20:33:57	1262069883	1262071026	812
Pre: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	26-Apr-2002 21:05:49	1262559477	1262560695	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	1	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:07:11	1262580411	1262581202	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	2	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:07:46	1262589367	1262590158	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	3	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:11:11	1262641839	1262642630	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	4	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:11:21	1262644394	1262645185	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	5	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:11:56	1262653350	1262654141	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	6	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:15:21	1262705823	1262706614	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	7	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:15:31	1262708377	1262709168	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	8	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:16:06	1262717332	1262718123	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	9	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:19:31	1262769806	1262770597	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	10	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:19:41	1262772360	1262773151	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	11	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:20:16	1262781315	1262782106	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	12	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:23:41	1262833788	1262834579	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	13	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:23:51	1262836343	1262837134	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	14	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:24:26	1262845298	1262846089	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	15	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:27:51	1262897771	1262898562	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	16	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:28:01	1262900327	1262901118	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	17	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:28:36	1262909282	1262910073	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	18	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:32:01	1262961755	1262962546	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	19	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:32:11	1262964310	1262965101	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	20	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:32:46	1262973265	1262974056	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	21	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:36:11	1263025738	1263026529	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	22	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:36:21	1263028293	1263029084	813
Pre: Monthly_Special_Calibration_Orbit_2/3	60	23	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:36:31	1263030847	1263031638	813
Pre: Monthly_Special_Calibration_Orbit_3	62	1	Pre_53	53	Low Data Rate (400 kHz)	26-Apr-2002 21:37:23	1263044288	1263045326	813
Pre: Monthly_Special_Calibration_Orbit_3	62	2	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:37:51	1263051575	1263052366	813
Pre: Monthly_Special_Calibration_Orbit_3	62	3	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:38:26	1263060529	1263061320	813
Pre: Monthly_Special_Calibration_Orbit_3	62	4	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:41:51	1263113003	1263113794	813
Pre: Monthly_Special_Calibration_Orbit_3	62	5	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:42:01	1263115557	1263116348	813
Pre: Monthly_Special_Calibration_Orbit_3	62	6	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:42:36	1263124512	1263125303	813
Pre: Monthly_Special_Calibration_Orbit_3	62	7	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:46:01	1263176985	1263177776	813
Pre: Monthly_Special_Calibration_Orbit_3	62	8	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:46:11	1263179540	1263180331	813
Pre: Monthly_Special_Calibration_Orbit_3	62	9	Pre_69	69	Low Data Rate (400 kHz)	26-Apr-2002 21:46:46	1263188495	1263189769	813
Pre: Monthly_Special_Calibration_Orbit_3	62	10	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:48:16	1263211427	1263212218	813
Pre: Monthly_Special_Calibration_Orbit_3	62	11	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:51:41	1263263901	1263264692	813
Pre: Monthly_Special_Calibration_Orbit_3	62	12	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:51:51	1263266455	1263267246	813
Pre: Monthly_Special_Calibration_Orbit_3	62	13	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:52:26	1263275411	1263276202	813
Pre: Monthly_Special_Calibration_Orbit_3	62	14	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 21:55:51	1263327883	1263328674	813
Pre: Monthly_Special_Calibration_Orbit_3	62	15	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 21:56:01	1263330438	1263331229	813
Pre: Monthly_Special_Calibration_Orbit_3	62	16	Pre_70	70	Low Data Rate (400 kHz)	26-Apr-2002 21:56:36	1263339393	1263340667	813
Pre: Monthly_Special_Calibration_Orbit_3	62	17	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 21:58:06	1263362515	1263363306	813
Pre: Monthly_Special_Calibration_Orbit_3	62	18	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 22:01:31	1263414988	1263415779	813
Pre: Monthly_Special_Calibration_Orbit_3	62	19	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 22:01:41	1263417544	1263418335	813

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OB T	Expected ISP OB T	In Orbit
Pre: Monthly_Special_Calibration_Orbit_3	62	20	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 22:02:16	1263426498	1263427289	813
Pre: Monthly_Special_Calibration_Orbit_3	62	21	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 22:05:41	1263478971	1263479762	813
Pre: Monthly_Special_Calibration_Orbit_3	62	22	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 22:05:51	1263481526	1263482317	813
Pre: Monthly_Special_Calibration_Orbit_3	62	23	Pre_67	67	Low Data Rate (400 kHz)	26-Apr-2002 22:06:26	1263490482	1263491273	813
Pre: Monthly_Special_Calibration_Orbit_3	62	24	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 22:09:51	1263542954	1263543745	813
Pre: Monthly_Special_Calibration_Orbit_3	62	25	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 22:10:01	1263545509	1263546300	813
Pre: Monthly_Special_Calibration_Orbit_3	62	26	Pre_46	46	Low Data Rate (400 kHz)	26-Apr-2002 22:10:36	1263554464	1263555255	813
Pre: Monthly_Special_Calibration_Orbit_3	62	27	Pre_63	63	Low Data Rate (400 kHz)	26-Apr-2002 22:10:46	1263557019	1263557810	813
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 22:14:32	1263614948	1263616091	813
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 22:40:21	1264011488	1264012015	814
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 22:41:24	1264027518	1264028045	814
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 22:42:26	1264043553	1264044080	814
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 22:43:29	1264059580	1264060107	814
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	26-Apr-2002 22:44:32	1264075611	1264076402	814
Pre: Sun_Calibration (fast sweep scanning)	3	1	Pre_50	50	High Data Rate (1867 kHz)	26-Apr-2002 22:45:50	1264095793	1264096584	814
Pre: ESM: Sun_Diffuser (ND in)	8	1	Pre_62	62	High Data Rate (1867 kHz)	26-Apr-2002 22:46:24	1264104440	1264105790	814
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	26-Apr-2002 22:47:08	1264115630	1264116157	814
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	26-Apr-2002 22:48:11	1264131662	1264132189	814
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	26-Apr-2002 22:49:13	1264147693	1264148220	814
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 22:50:16	1264163723	1264164250	814
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 22:51:18	1264179754	1264180281	814
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 22:52:42	1264201146	1264201673	814
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 22:53:45	1264217177	1264217704	814
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 22:55:08	1264238570	1264239097	814
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 22:56:11	1264254600	1264255127	814
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 22:57:34	1264275993	1264276520	814
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	26-Apr-2002 22:58:37	1264292024	1264292551	814
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 22:59:46	1264309574	1264310101	814
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 23:00:48	1264325606	1264326133	814
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:01:57	1264343156	1264343683	814
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 23:02:59	1264359187	1264359714	814
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:04:08	1264376738	1264377265	814
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 23:05:11	1264392769	1264393296	814
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:06:19	1264410321	1264410848	814
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 23:07:22	1264426352	1264426879	814
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:08:30	1264443903	1264444430	814
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 23:09:33	1264459933	1264460460	814
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:10:41	1264477484	1264478011	814
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 23:11:44	1264493515	1264494042	814
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:12:53	1264511066	1264511593	814
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 23:13:55	1264527098	1264527625	814
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:15:04	1264544648	1264545175	814
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 23:16:06	1264560679	1264561206	814
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:17:15	1264578230	1264578757	814
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 23:18:18	1264594261	1264594788	814
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:19:26	1264611815	1264612342	814
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 23:20:29	1264627843	1264628370	814
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:21:37	1264645394	1264645921	814
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	26-Apr-2002 23:22:40	1264661425	1264661952	814
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:23:49	1264678976	1264679503	814
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 23:24:51	1264695009	1264695536	814
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	26-Apr-2002 23:26:00	1264712558	1264713085	814
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 23:27:02	1264728589	1264729116	814
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 23:28:11	1264746141	1264746668	814
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 23:29:13	1264762171	1264762698	814
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 23:30:22	1264779723	1264780250	814
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	26-Apr-2002 23:31:25	1264795753	1264796280	814
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	26-Apr-2002 23:32:33	1264813304	1264813831	814
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 23:33:36	1264829335	1264829862	814

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 23:34:44	1264846886	1264847413	814
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	26-Apr-2002 23:35:47	1264862917	1264863444	814
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	26-Apr-2002 23:36:56	1264880468	1264880995	814
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	26-Apr-2002 23:37:58	1264896499	1264897026	814
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 23:39:07	1264914051	1264914578	814
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	26-Apr-2002 23:40:30	1264935442	1264935969	814
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 23:41:54	1264956835	1264957362	814
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	26-Apr-2002 23:43:17	1264978226	1264978753	814
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 23:44:41	1264999619	1265000146	814
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 23:46:05	1265021010	1265021537	814
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 23:47:28	1265042403	1265042930	814
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 23:48:52	1265063795	1265064322	814
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	26-Apr-2002 23:50:15	1265085186	1265085713	814
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	26-Apr-2002 23:55:08	1265160016	1265161159	814
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 23:55:54	1265171833	1265172360	814
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 23:57:17	1265193225	1265193752	814
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	26-Apr-2002 23:58:41	1265214617	1265215144	814
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:00:04	1265236010	1265236537	814
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:01:28	1265257402	1265257929	814
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:02:52	1265278793	1265279320	814
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:04:15	1265300186	1265300713	814
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:05:39	1265321577	1265322104	814
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:07:02	1265342969	1265343496	814
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:08:26	1265364361	1265364888	814
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:09:49	1265385754	1265386281	814
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:11:13	1265407145	1265407672	814
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:12:36	1265428537	1265429064	814
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:14:00	1265449929	1265450456	814
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:15:24	1265471321	1265471848	814
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 00:16:47	1265492714	1265493241	814
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 00:20:57	1265556588	1265557115	815
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 00:21:59	1265572618	1265573145	815
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 00:23:02	1265588650	1265589177	815
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 00:24:05	1265604680	1265605207	815
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	27-Apr-2002 00:25:07	1265620712	1265621503	815
Pre: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Pre_68	68	High Data Rate (1867 kHz)	27-Apr-2002 00:26:26	1265640892	1265641683	815
Pre: ESM: Sun_Diffuser (ND in)	8	1	Pre_62	62	High Data Rate (1867 kHz)	27-Apr-2002 00:27:00	1265649539	1265650889	815
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 00:27:43	1265660729	1265661256	815
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 00:28:46	1265676761	1265677288	815
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 00:29:49	1265692791	1265693318	815
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 00:30:51	1265708824	1265709351	815
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 00:32:15	1265730215	1265730742	815
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 00:33:18	1265746245	1265746772	815
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 00:34:41	1265767638	1265768165	815
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 00:35:44	1265783668	1265784195	815
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 00:37:07	1265805060	1265805587	815
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 00:38:10	1265821092	1265821619	815
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 00:39:33	1265842483	1265843010	815
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 00:40:36	1265858515	1265859042	815
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 00:41:45	1265876065	1265876592	815
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 00:42:47	1265892096	1265892623	815
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 00:43:56	1265909648	1265910175	815
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 00:44:58	1265925678	1265926205	815
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 00:46:07	1265943229	1265943756	815
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 00:47:10	1265959261	1265959788	815
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 00:48:18	1265976811	1265977338	815
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 00:49:21	1265992843	1265993370	815
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 00:50:29	1266010393	1266010920	815

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 00:51:32	1266026425	1266026952	815
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 00:52:41	1266043975	1266044502	815
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 00:53:43	1266060007	1266060534	815
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 00:54:52	1266077557	1266078084	815
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 00:55:54	1266093589	1266094116	815
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 00:57:03	1266111139	1266111666	815
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 00:58:06	1266127170	1266127697	815
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 00:59:14	1266144722	1266145249	815
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 01:00:17	1266160752	1266161279	815
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 01:01:25	1266178304	1266178831	815
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 01:02:28	1266194334	1266194861	815
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 01:03:36	1266211885	1266212412	815
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 01:04:39	1266227916	1266228443	815
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 01:05:48	1266245467	1266245994	815
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 01:06:50	1266261498	1266262025	815
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 01:07:59	1266279050	1266279577	815
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 01:09:01	1266295080	1266295607	815
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 01:10:10	1266312631	1266313158	815
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 01:11:13	1266328662	1266329189	815
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 01:12:21	1266346214	1266346741	815
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 01:13:24	1266362245	1266362772	815
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 01:14:32	1266379795	1266380322	815
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 01:15:35	1266398527	1266396354	815
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 01:16:44	1266413377	1266413904	815
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 01:17:46	1266429409	1266429936	815
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 01:18:55	1266446960	1266447487	815
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 01:19:57	1266462990	1266463517	815
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 01:21:06	1266480541	1266481068	815
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 01:22:29	1266501933	1266502460	815
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 01:23:53	1266523325	1266523852	815
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 01:25:17	1266544717	1266545244	815
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 01:26:40	1266566110	1266566637	815
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 01:28:04	1266587502	1266588029	815
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 01:29:27	1266608893	1266609420	815
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 01:30:51	1266630285	1266630812	815
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 01:35:43	1266705097	1266706240	815
Pre: Weekly_Calibration_Eclipse	56	1	Pre_46	46	Low Data Rate (400 kHz)	27-Apr-2002 01:36:29	1266716913	1266717704	815
Pre: Weekly_Calibration_Eclipse	56	2	Pre_63	63	Low Data Rate (400 kHz)	27-Apr-2002 01:36:39	1266719469	1266720260	815
Pre: Weekly_Calibration_Eclipse	56	3	Pre_67	67	Low Data Rate (400 kHz)	27-Apr-2002 01:37:14	1266728424	1266729215	815
Pre: Weekly_Calibration_Eclipse	56	4	Pre_46	46	Low Data Rate (400 kHz)	27-Apr-2002 01:40:39	1266780897	1266781688	815
Pre: Weekly_Calibration_Eclipse	56	5	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 01:40:49	1266783452	1266784726	815
Pre: Weekly_Calibration_Eclipse	56	6	Pre_63	63	Low Data Rate (400 kHz)	27-Apr-2002 01:41:11	1266788975	1266789766	815
Pre: Weekly_Calibration_Eclipse	56	7	Pre_67	67	Low Data Rate (400 kHz)	27-Apr-2002 01:41:46	1266797930	1266798721	815
Pre: Weekly_Calibration_Eclipse	56	8	Pre_46	46	Low Data Rate (400 kHz)	27-Apr-2002 01:45:11	1266850403	1266851194	815
Pre: Weekly_Calibration_Eclipse	56	9	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 01:45:21	1266852958	1266853485	815
Pre: Weekly_Calibration_Eclipse	56	10	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 01:46:44	1266874349	1266874876	815
Pre: Weekly_Calibration_Eclipse	56	11	Pre_63	63	Low Data Rate (400 kHz)	27-Apr-2002 01:48:08	1266895741	1266896532	815
Pre: Weekly_Calibration_Eclipse	56	12	Pre_67	67	Low Data Rate (400 kHz)	27-Apr-2002 01:48:43	1266904696	1266905487	815
Pre: Weekly_Calibration_Eclipse	56	13	Pre_46	46	Low Data Rate (400 kHz)	27-Apr-2002 01:52:08	1266957169	1266957960	815
Pre: Weekly_Calibration_Eclipse	56	14	Pre_61	61	Low Data Rate (400 kHz)	27-Apr-2002 01:52:18	1266959724	1266961130	815
Pre: Weekly_Calibration_Eclipse	56	15	Pre_63	63	Low Data Rate (400 kHz)	27-Apr-2002 01:52:41	1266965702	1266966493	815
Pre: Weekly_Calibration_Eclipse	56	16	Pre_67	67	Low Data Rate (400 kHz)	27-Apr-2002 01:53:16	1266974656	1266975447	815
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 02:01:32	1267101684	1267102211	816
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 02:02:35	1267117715	1267118242	816
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 02:03:37	1267133747	1267134274	816
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 02:04:40	1267149778	1267150305	816
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Pre_49	49	High Data Rate (1867 kHz)	27-Apr-2002 02:05:43	1267165808	1267166599	816
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 02:08:02	1267201376	1267201903	816
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 02:09:04	1267217408	1267217935	816

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 02:10:07	1267233438	1267233965	816
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 02:11:10	1267249469	1267249996	816
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 02:12:12	1267265501	1267266028	816
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 02:13:36	1267286893	1267287420	816
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 02:14:38	1267302923	1267303450	816
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 02:16:02	1267324316	1267324843	816
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 02:17:04	1267340347	1267340874	816
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 02:18:28	1267361739	1267362266	816
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 02:19:31	1267377769	1267378296	816
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:20:39	1267395320	1267395847	816
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 02:21:42	1267411352	1267411879	816
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:22:50	1267428902	1267429429	816
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 02:23:53	1267444934	1267445461	816
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:25:02	1267462484	1267463011	816
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 02:26:04	1267478515	1267479042	816
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:27:13	1267496066	1267496593	816
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 02:28:15	1267512097	1267512624	816
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:29:24	1267529648	1267530175	816
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 02:30:27	1267545679	1267546206	816
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:31:35	1267563231	1267563758	816
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 02:32:38	1267579262	1267579789	816
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:33:46	1267596812	1267597339	816
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 02:34:49	1267612843	1267613370	816
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:35:57	1267630395	1267630922	816
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 02:37:00	1267646426	1267646953	816
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:38:09	1267663976	1267664503	816
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 02:39:11	1267680007	1267680534	816
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:40:20	1267697559	1267698086	816
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 02:41:22	1267713590	1267714117	816
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:42:31	1267731140	1267731667	816
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 02:43:34	1267747171	1267747698	816
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:44:42	1267764722	1267765249	816
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 02:45:45	1267780754	1267781281	816
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 02:46:53	1267798305	1267798832	816
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 02:47:56	1267814335	1267814862	816
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 02:49:05	1267831886	1267832413	816
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 02:50:07	1267847917	1267848444	816
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 02:51:16	1267865468	1267865995	816
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 02:52:18	1267881501	1267882028	816
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 02:53:27	1267899501	1267899577	816
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 02:54:30	1267915081	1267915608	816
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 02:55:38	1267932633	1267933160	816
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 02:56:41	1267948663	1267949190	816
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 02:57:49	1267966214	1267966741	816
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 02:58:52	1267982245	1267982772	816
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 03:00:00	1267999796	1268000323	816
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 03:01:24	1268021189	1268021716	816
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 03:02:48	1268042580	1268043107	816
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 03:04:11	1268063972	1268064499	816
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 03:05:35	1268085364	1268085891	816
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 03:06:58	1268106757	1268107284	816
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 03:08:22	1268128148	1268128675	816
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 03:09:45	1268149540	1268150067	816
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 03:11:09	1268170932	1268171459	816
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 03:16:19	1268250201	1268251344	816
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:17:05	1268262018	1268262545	816
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:18:28	1268283410	1268283937	816
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:19:52	1268304802	1268305329	816
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:21:15	1268326194	1268326721	816
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:22:39	1268347587	1268348114	816
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:24:03	1268368978	1268369505	816
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:25:26	1268390370	1268390897	816
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:26:50	1268411762	1268412289	816
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:28:13	1268433155	1268433682	816

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:29:37	1268454546	1268455073	816
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:31:00	1268475939	1268476466	816
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:32:24	1268497330	1268497857	816
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:33:48	1268518722	1268519249	816
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:35:11	1268540115	1268540642	816
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:36:35	1268561507	1268562034	816
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 03:37:58	1268582899	1268583426	816
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 03:42:08	1268646807	1268647334	817
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 03:43:10	1268662837	1268663364	817
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 03:44:13	1268678869	1268679396	817
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 03:45:16	1268694899	1268695426	817
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Pre_49	49	High Data Rate (1867 kHz)	27-Apr-2002 03:46:18	1268710930	1268711721	817
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 03:48:37	1268746500	1268747027	817
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 03:49:40	1268762530	1268763057	817
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 03:50:43	1268778561	1268779088	817
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 03:51:45	1268794593	1268795120	817
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 03:53:09	1268815984	1268816511	817
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 03:54:11	1268832015	1268832542	817
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 03:55:35	1268853407	1268853934	817
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 03:56:38	1268869439	1268869966	817
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 03:58:01	1268890832	1268891359	817
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 03:59:04	1268906861	1268907388	817
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 04:00:27	1268928253	1268928780	817
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 04:01:30	1268944284	1268944811	817
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:02:38	1268961836	1268962363	817
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 04:03:41	1268977868	1268978395	817
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:04:50	1268995417	1268995944	817
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 04:05:52	1269011448	1269011975	817
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:07:01	1269029000	1269029527	817
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 04:08:03	1269045030	1269045557	817
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:09:12	1269062582	1269063109	817
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 04:10:15	1269078612	1269079139	817
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:11:23	1269096163	1269096690	817
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 04:12:26	1269112195	1269112722	817
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:13:34	1269129745	1269130272	817
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 04:14:37	1269145776	1269146303	817
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:15:46	1269163328	1269163855	817
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 04:16:48	1269179358	1269179885	817
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:17:57	1269196910	1269197437	817
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 04:18:59	1269212940	1269213467	817
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:20:08	1269230491	1269231018	817
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 04:21:10	1269246522	1269247049	817
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:22:19	1269264075	1269264602	817
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 04:23:22	1269280104	1269280631	817
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:24:30	1269297655	1269298182	817
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 04:25:33	1269313686	1269314213	817
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:26:41	1269331237	1269331764	817
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 04:27:44	1269347270	1269347797	817
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 04:28:53	1269364819	1269365346	817
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 04:29:55	1269380850	1269381377	817
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 04:31:04	1269398401	1269398928	817
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 04:32:06	1269414432	1269414959	817
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 04:33:15	1269431984	1269432511	817
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 04:34:18	1269448014	1269448541	817
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 04:35:26	1269465565	1269466092	817
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 04:36:29	1269481596	1269482123	817
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 04:37:37	1269499147	1269499674	817
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 04:38:40	1269515179	1269515706	817
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 04:39:48	1269532729	1269533256	817

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OB T	Expected ISP OB T	In Orbit
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 04:40:51	1269548760	1269549287	817
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 04:42:00	1269566312	1269566839	817
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 04:43:23	1269587703	1269588230	817
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 04:44:47	1269609095	1269609622	817
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 04:46:10	1269630487	1269631014	817
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 04:47:34	1269651880	1269652407	817
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 04:48:57	1269673272	1269673799	817
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 04:50:21	1269694664	1269695191	817
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 04:51:45	1269716055	1269716582	817
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 04:56:54	1269795322	1269796465	817
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 04:57:40	1269807140	1269807667	817
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 04:59:04	1269828533	1269829060	817
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:00:28	1269849924	1269850451	817
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:01:51	1269871317	1269871844	817
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:03:15	1269892708	1269893235	817
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:04:38	1269914100	1269914627	817
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:06:02	1269935492	1269936019	817
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:07:25	1269956884	1269957411	817
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:08:49	1269978277	1269978804	817
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:10:12	1269999669	1270000196	817
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:11:36	1270021061	1270021588	817
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:13:00	1270042452	1270042979	817
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:14:23	1270063844	1270064371	817
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:15:47	1270085236	1270085763	817
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:17:10	1270106628	1270107155	817
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 05:18:34	1270128021	1270128548	817
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 06:37:30	1271340431	1271341574	818
Pre: MO&C (pointing, long duration)	10	1	Pre_57	57	Low Data Rate (400 kHz)	27-Apr-2002 07:58:30	1272584607	1272585134	819
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 08:18:05	1272885522	1272886665	819
1. SF Alignment Moon OBJ 32	18	1	M_SF_1	9	Low Data Rate (400 kHz)	27-Apr-2002 09:39:20	1274133335	1274133862	820
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 09:58:41	1274430603	1274431746	820
2. SF Alignment Moon OBJ 32	19	1	M_SF_2	10	Low Data Rate (400 kHz)	27-Apr-2002 11:19:39	1275674289	1275674816	821
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 11:39:16	1275975673	1275976816	821
3. SF Alignment Moon OBJ 32	20	1	M_SF_3	11	Low Data Rate (400 kHz)	27-Apr-2002 12:59:58	1277212155	1277215682	822
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 13:19:52	1277520739	1277521882	822
4. SF Alignment Moon OBJ 32	21	1	M_SF_4	12	Low Data Rate (400 kHz)	27-Apr-2002 14:40:17	1278755965	1278756492	823
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 15:00:27	1279065836	1279066979	823
5. SF Alignment Moon OBJ 32	22	1	M_SF_5	13	Low Data Rate (400 kHz)	27-Apr-2002 16:20:35	1280296728	1280297255	824
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 16:41:03	1280610959	1280612102	824
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 17:06:53	1281007742	1281008269	825
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 17:07:55	1281023772	1281024299	825
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 17:08:58	1281039804	1281040331	825
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 17:10:01	1281055834	1281056361	825
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	27-Apr-2002 17:11:03	1281071865	1281072656	825
Pre: Sun Calibration (fast sweep scanning)	3	1	Pre_50	50	High Data Rate (1867 kHz)	27-Apr-2002 17:12:22	1281092033	1281092824	825
Pre: ESM: Sun Diffuser (ND out)	7	1	Pre_52	52	High Data Rate (1867 kHz)	27-Apr-2002 17:12:56	1281100819	1281102037	825
Pre: Monthly_Special_Calibration_Orbit_1	57	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 17:14:21	1281122616	1281123143	825
Pre: Monthly_Special_Calibration_Orbit_1	57	2	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 17:15:24	1281138648	1281139175	825
Pre: Monthly_Special_Calibration_Orbit_1	57	3	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 17:16:27	1281154679	1281155206	825
Pre: Monthly_Special_Calibration_Orbit_1	57	4	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 17:17:29	1281170709	1281171236	825
Pre: Monthly_Special_Calibration_Orbit_1	57	5	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 17:18:32	1281186740	1281188014	825
Pre: Monthly_Special_Calibration_Orbit_1	57	6	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 17:18:54	1281192263	1281192790	825
Pre: Monthly_Special_Calibration_Orbit_1	57	7	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 17:20:17	1281213656	1281214183	825
Pre: Monthly_Special_Calibration_Orbit_1	57	8	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 17:21:20	1281229686	1281230213	825
Pre: Monthly_Special_Calibration_Orbit_1	57	9	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 17:22:43	1281251078	1281251605	825
Pre: Monthly_Special_Calibration_Orbit_1	57	10	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 17:23:46	1281267109	1281267636	825
Pre: Monthly_Special_Calibration_Orbit_1	57	11	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 17:25:09	1281288502	1281289029	825
Pre: Monthly_Special_Calibration_Orbit_1	57	12	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 17:26:12	1281304532	1281305806	825
Pre: Monthly_Special_Calibration_Orbit_1	57	13	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 17:26:34	1281310056	1281310583	825

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Monthly_Special_Calibration_Orbit_1	57	14	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:27:42	1281327607	1281328134	825
Pre: Monthly_Special_Calibration_Orbit_1	57	15	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 17:28:45	1281343637	1281344164	825
Pre: Monthly_Special_Calibration_Orbit_1	57	16	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:29:53	1281361188	1281361715	825
Pre: Monthly_Special_Calibration_Orbit_1	57	17	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 17:30:56	1281377219	1281377746	825
Pre: Monthly_Special_Calibration_Orbit_1	57	18	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:32:05	1281394770	1281395297	825
Pre: Monthly_Special_Calibration_Orbit_1	57	19	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 17:33:07	1281410801	1281412075	825
Pre: Monthly_Special_Calibration_Orbit_1	57	20	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 17:33:29	1281416324	1281416851	825
Pre: Monthly_Special_Calibration_Orbit_1	57	21	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:34:37	1281433875	1281434402	825
Pre: Monthly_Special_Calibration_Orbit_1	57	22	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 17:35:40	1281449907	1281450434	825
Pre: Monthly_Special_Calibration_Orbit_1	57	23	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:36:49	1281467458	1281467985	825
Pre: Monthly_Special_Calibration_Orbit_1	57	24	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 17:37:51	1281483488	1281484015	825
Pre: Monthly_Special_Calibration_Orbit_1	57	25	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:39:00	1281501040	1281501567	825
Pre: Monthly_Special_Calibration_Orbit_1	57	26	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 17:40:02	1281517070	1281518344	825
Pre: Monthly_Special_Calibration_Orbit_1	57	27	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 17:40:24	1281522593	1281523120	825
Pre: Monthly_Special_Calibration_Orbit_1	57	28	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:41:32	1281540145	1281540672	825
Pre: Monthly_Special_Calibration_Orbit_1	57	29	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 17:42:35	1281556175	1281556702	825
Pre: Monthly_Special_Calibration_Orbit_1	58	1	Pre_60	60	Low Data Rate (400 kHz)	27-Apr-2002 17:44:30	1281585613	1281586651	825
Pre: Monthly_Special_Calibration_Orbit_1	58	2	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:44:59	1281592900	1281593427	825
Pre: Monthly_Special_Calibration_Orbit_1	58	3	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 17:46:01	1281608930	1281609457	825
Pre: Monthly_Special_Calibration_Orbit_1	58	4	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:47:10	1281626482	1281627009	825
Pre: Monthly_Special_Calibration_Orbit_1	58	5	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 17:48:12	1281642512	1281643039	825
Pre: Monthly_Special_Calibration_Orbit_1	58	6	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 17:49:21	1281660064	1281661338	825
Pre: Monthly_Special_Calibration_Orbit_1	58	7	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:49:42	1281665587	1281666114	825
Pre: Monthly_Special_Calibration_Orbit_1	58	8	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 17:50:45	1281681617	1281682144	825
Pre: Monthly_Special_Calibration_Orbit_1	58	9	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 17:51:54	1281699169	1281699696	825
Pre: MO&C (pointing)	9	1	Pre_56	56	Low Data Rate (400 kHz)	27-Apr-2002 18:00:22	1281829205	1281829732	825
Pre: Moon_Calibration (nominal scanning)	11	1	Pre_54	54	Low Data Rate (400 kHz)	27-Apr-2002 18:01:34	1281847852	1281848379	825
Pre: Monthly_Special_Calibration_Orbit_1	59	1	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 18:01:54	1281852855	1281853382	825
Pre: Monthly_Special_Calibration_Orbit_1	59	2	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 18:03:03	1281870406	1281871680	825
Pre: Monthly_Special_Calibration_Orbit_1	59	3	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 18:03:24	1281875929	1281876456	825
Pre: Monthly_Special_Calibration_Orbit_1	59	4	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 18:04:33	1281893481	1281894755	825
Pre: Monthly_Special_Calibration_Orbit_1	59	5	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 18:04:54	1281899003	1281899530	825
Pre: Monthly_Special_Calibration_Orbit_1	59	6	Pre_61	61	Low Data Rate (400 kHz)	27-Apr-2002 18:06:03	1281916555	1281917961	825
Pre: Monthly_Special_Calibration_Orbit_1	59	7	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 18:06:26	1281922531	1281923058	825
Pre: Monthly_Special_Calibration_Orbit_1	59	8	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 18:07:50	1281943923	1281944450	825
Pre: Monthly_Special_Calibration_Orbit_1	59	9	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 18:09:13	1281965315	1281966589	825
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 18:21:38	1282156073	1282157216	825
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 18:47:28	1282552877	1282553404	826
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 18:48:31	1282568909	1282569436	826
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 18:49:34	1282584940	1282585467	826
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 18:50:36	1282600970	1282601497	826
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	27-Apr-2002 18:51:39	1282617001	1282617792	826
Pre: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Pre_68	68	High Data Rate (1867 kHz)	27-Apr-2002 18:52:58	1282637169	1282637960	826
Pre: ESM: Sun_Diffuser (ND in)	8	1	Pre_62	62	High Data Rate (1867 kHz)	27-Apr-2002 18:53:31	1282645814	1282647164	826
Pre: Monthly_Special_Calibration_Orbit_1	57	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 18:54:57	1282667801	1282668328	826
Pre: Monthly_Special_Calibration_Orbit_1	57	2	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 18:56:00	1282683831	1282684358	826
Pre: Monthly_Special_Calibration_Orbit_1	57	3	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 18:57:03	1282699863	1282700390	826
Pre: Monthly_Special_Calibration_Orbit_1	57	4	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 18:58:05	1282715894	1282716421	826
Pre: Monthly_Special_Calibration_Orbit_1	57	5	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 18:59:08	1282731925	1282733199	826
Pre: Monthly_Special_Calibration_Orbit_1	57	6	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 18:59:29	1282737448	1282737975	826
Pre: Monthly_Special_Calibration_Orbit_1	57	7	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 19:00:53	1282758840	1282759367	826
Pre: Monthly_Special_Calibration_Orbit_1	57	8	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 19:01:56	1282774872	1282775399	826
Pre: Monthly_Special_Calibration_Orbit_1	57	9	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 19:03:19	1282796263	1282796790	826
Pre: Monthly_Special_Calibration_Orbit_1	57	10	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 19:04:22	1282812294	1282812821	826
Pre: Monthly_Special_Calibration_Orbit_1	57	11	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 19:05:45	1282833685	1282834212	826
Pre: Monthly_Special_Calibration_Orbit_1	57	12	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 19:06:48	1282849716	1282850990	826
Pre: Monthly_Special_Calibration_Orbit_1	57	13	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 19:07:10	1282855239	1282855766	826
Pre: Monthly_Special_Calibration_Orbit_1	57	14	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:08:18	1282872790	1282873317	826

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Monthly_Special_Calibration_Orbit_1	57	15	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 19:09:21	1282888821	1282889348	826
Pre: Monthly_Special_Calibration_Orbit_1	57	16	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:10:29	1282906372	1282906899	826
Pre: Monthly_Special_Calibration_Orbit_1	57	17	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 19:11:32	1282922403	1282922930	826
Pre: Monthly_Special_Calibration_Orbit_1	57	18	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:12:40	1282939954	1282940481	826
Pre: Monthly_Special_Calibration_Orbit_1	57	19	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 19:13:43	1282955985	1282957259	826
Pre: Monthly_Special_Calibration_Orbit_1	57	20	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 19:14:05	1282961510	1282962037	826
Pre: Monthly_Special_Calibration_Orbit_1	57	21	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:15:13	1282979059	1282979586	826
Pre: Monthly_Special_Calibration_Orbit_1	57	22	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 19:16:16	1282995090	1282995617	826
Pre: Monthly_Special_Calibration_Orbit_1	57	23	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:17:24	1283012641	1283013168	826
Pre: Monthly_Special_Calibration_Orbit_1	57	24	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 19:18:27	1283028672	1283029199	826
Pre: Monthly_Special_Calibration_Orbit_1	57	25	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:19:36	1283046225	1283046752	826
Pre: Monthly_Special_Calibration_Orbit_1	57	26	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 19:20:38	1283062254	1283063528	826
Pre: Monthly_Special_Calibration_Orbit_1	57	27	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 19:21:00	1283067777	1283068304	826
Pre: Monthly_Special_Calibration_Orbit_1	57	28	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:22:08	1283085328	1283085855	826
Pre: Monthly_Special_Calibration_Orbit_1	57	29	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 19:23:11	1283101360	1283101887	826
Pre: Monthly_Special_Calibration_Orbit_1	58	1	Pre_60	60	Low Data Rate (400 kHz)	27-Apr-2002 19:25:06	1283130722	1283131760	826
Pre: Monthly_Special_Calibration_Orbit_1	58	2	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:25:34	1283138007	1283138534	826
Pre: Monthly_Special_Calibration_Orbit_1	58	3	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 19:26:37	1283154038	1283154565	826
Pre: Monthly_Special_Calibration_Orbit_1	58	4	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:27:45	1283171589	1283172116	826
Pre: Monthly_Special_Calibration_Orbit_1	58	5	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 19:28:48	1283187620	1283188147	826
Pre: Monthly_Special_Calibration_Orbit_1	58	6	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 19:29:56	1283205171	1283206445	826
Pre: Monthly_Special_Calibration_Orbit_1	58	7	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:30:18	1283210694	1283211221	826
Pre: Monthly_Special_Calibration_Orbit_1	58	8	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 19:31:21	1283226726	1283227253	826
Pre: Monthly_Special_Calibration_Orbit_1	58	9	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 19:32:29	1283244276	1283244803	826
Pre: MO&C (pointing)	9	1	Pre_56	56	Low Data Rate (400 kHz)	27-Apr-2002 19:40:39	1283369671	1283370198	826
Pre: Moon_Calibration (nominal scanning)	11	1	Pre_54	54	Low Data Rate (400 kHz)	27-Apr-2002 19:41:53	1283388529	1283389056	826
Pre: Monthly_Special_Calibration_Orbit_1	59	1	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 19:42:12	1283393532	1283394059	826
Pre: Monthly_Special_Calibration_Orbit_1	59	2	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 19:43:21	1283411083	1283412357	826
Pre: Monthly_Special_Calibration_Orbit_1	59	3	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 19:43:42	1283416606	1283417133	826
Pre: Monthly_Special_Calibration_Orbit_1	59	4	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 19:44:51	1283434157	1283435431	826
Pre: Monthly_Special_Calibration_Orbit_1	59	5	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 19:45:13	1283439681	1283440208	826
Pre: Monthly_Special_Calibration_Orbit_1	59	6	Pre_61	61	Low Data Rate (400 kHz)	27-Apr-2002 19:46:21	1283457231	1283458637	826
Pre: Monthly_Special_Calibration_Orbit_1	59	7	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 19:46:44	1283463209	1283463736	826
Pre: Monthly_Special_Calibration_Orbit_1	59	8	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 19:48:08	1283484600	1283485127	826
Pre: Monthly_Special_Calibration_Orbit_1	59	9	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 19:49:32	1283505993	1283507267	826
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 20:02:14	1283701162	1283702305	826
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 20:28:04	1284097999	1284098526	827
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 20:29:07	1284114029	1284114556	827
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 20:30:09	1284130061	1284130588	827
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 20:31:12	1284146091	1284146618	827
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	27-Apr-2002 20:32:15	1284162123	1284162914	827
Pre: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Pre_68	68	High Data Rate (1867 kHz)	27-Apr-2002 20:33:33	1284182289	1284183080	827
Pre: ESM: Sun_Diffuser (ND in)	8	1	Pre_62	62	High Data Rate (1867 kHz)	27-Apr-2002 20:34:07	1284190926	1284192276	827
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 20:34:51	1284202116	1284202643	827
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 20:35:53	1284218148	1284218675	827
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 20:36:56	1284234178	1284234705	827
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 20:37:59	1284250209	1284250736	827
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 20:39:22	1284271601	1284272128	827
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 20:40:25	1284287632	1284288159	827
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 20:41:48	1284309025	1284309552	827
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 20:42:51	1284325055	1284325582	827
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 20:44:15	1284346448	1284346975	827
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 20:45:17	1284362478	1284363005	827
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 20:46:41	1284383871	1284384398	827
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 20:47:43	1284399903	1284400430	827
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 20:48:52	1284417452	1284417979	827
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 20:49:55	1284433483	1284434010	827
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 20:51:03	1284451035	1284451562	827

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 20:52:06	1284467065	1284467592	827
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 20:53:14	1284484616	1284485143	827
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 20:54:17	1284500647	1284501174	827
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 20:55:25	1284518198	1284518725	827
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 20:56:28	1284534229	1284534756	827
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 20:57:37	1284551780	1284552307	827
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 20:58:39	1284567811	1284568338	827
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 20:59:48	1284585362	1284585889	827
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 21:00:50	1284601393	1284601920	827
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 21:01:59	1284618944	1284619471	827
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 21:03:02	1284634975	1284635502	827
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 21:04:10	1284652526	1284653053	827
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 21:05:13	1284668557	1284669084	827
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 21:06:21	1284686110	1284686637	827
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 21:07:24	1284702139	1284702666	827
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 21:08:33	1284719691	1284720218	827
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 21:09:35	1284735722	1284736249	827
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 21:10:44	1284753272	1284753799	827
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 21:11:46	1284769304	1284769831	827
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 21:12:55	1284786854	1284787381	827
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 21:13:58	1284802886	1284803413	827
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 21:15:06	1284820437	1284820964	827
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 21:16:09	1284836467	1284836994	827
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 21:17:17	1284854018	1284854545	827
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 21:18:20	1284870049	1284870576	827
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 21:19:28	1284887600	1284888127	827
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 21:20:31	1284903632	1284904159	827
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 21:21:40	1284921182	1284921709	827
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 21:22:42	1284937213	1284937740	827
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 21:23:51	1284954764	1284955291	827
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 21:24:53	1284970795	1284971322	827
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 21:26:02	1284988346	1284988873	827
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 21:27:05	1285004377	1285004904	827
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 21:28:13	1285021928	1285022455	827
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 21:29:37	1285043320	1285043847	827
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 21:31:00	1285064712	1285065239	827
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 21:32:24	1285086104	1285086631	827
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 21:33:47	1285107497	1285108024	827
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 21:35:11	1285128889	1285129416	827
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 21:36:35	1285150281	1285150808	827
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 21:37:58	1285171672	1285172199	827
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 21:42:49	1285246232	1285247375	827
Pre: Weekly_Calibration_Eclipse	56	1	Pre_46	46	Low Data Rate (400 kHz)	27-Apr-2002 21:43:36	1285258050	1285258841	827
Pre: Weekly_Calibration_Eclipse	56	2	Pre_63	63	Low Data Rate (400 kHz)	27-Apr-2002 21:43:46	1285260606	1285261397	827
Pre: Weekly_Calibration_Eclipse	56	3	Pre_67	67	Low Data Rate (400 kHz)	27-Apr-2002 21:44:20	1285269561	1285270352	827
Pre: Weekly_Calibration_Eclipse	56	4	Pre_46	46	Low Data Rate (400 kHz)	27-Apr-2002 21:47:45	1285322033	1285322824	827
Pre: Weekly_Calibration_Eclipse	56	5	Pre_59	59	Low Data Rate (400 kHz)	27-Apr-2002 21:47:55	1285324588	1285325862	827
Pre: Weekly_Calibration_Eclipse	56	6	Pre_63	63	Low Data Rate (400 kHz)	27-Apr-2002 21:48:17	1285330112	1285330903	827
Pre: Weekly_Calibration_Eclipse	56	7	Pre_67	67	Low Data Rate (400 kHz)	27-Apr-2002 21:48:52	1285339067	1285339858	827
Pre: Weekly_Calibration_Eclipse	56	8	Pre_46	46	Low Data Rate (400 kHz)	27-Apr-2002 21:52:17	1285391540	1285392331	827
Pre: Weekly_Calibration_Eclipse	56	9	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 21:52:27	1285394095	1285394622	827
Pre: Weekly_Calibration_Eclipse	56	10	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 21:53:51	1285415486	1285416013	827
Pre: Weekly_Calibration_Eclipse	56	11	Pre_63	63	Low Data Rate (400 kHz)	27-Apr-2002 21:55:14	1285436878	1285437669	827
Pre: Weekly_Calibration_Eclipse	56	12	Pre_67	67	Low Data Rate (400 kHz)	27-Apr-2002 21:55:49	1285445833	1285446624	827
Pre: Weekly_Calibration_Eclipse	56	13	Pre_46	46	Low Data Rate (400 kHz)	27-Apr-2002 21:59:14	1285498307	1285499098	827
Pre: Weekly_Calibration_Eclipse	56	14	Pre_61	61	Low Data Rate (400 kHz)	27-Apr-2002 21:59:24	1285500863	1285502269	827
Pre: Weekly_Calibration_Eclipse	56	15	Pre_63	63	Low Data Rate (400 kHz)	27-Apr-2002 21:59:47	1285506839	1285507630	827
Pre: Weekly_Calibration_Eclipse	56	16	Pre_67	67	Low Data Rate (400 kHz)	27-Apr-2002 22:00:22	1285515794	1285516585	827
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 22:08:40	1285643100	1285643627	828
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 22:09:42	1285659131	1285659658	828
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 22:10:45	1285675162	1285675689	828

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 22:11:47	1285691194	1285691721	828
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	27-Apr-2002 22:12:50	1285707224	1285708015	828
Pre: Sun_Nadir_Mirror_Calibration (pointing)	5	1	Pre_64	64	High Data Rate (1867 kHz)	27-Apr-2002 22:14:09	1285727390	1285728181	828
Pre: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	27-Apr-2002 22:14:43	1285736157	1285737375	828
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 22:15:26	1285747222	1285747749	828
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 22:16:29	1285763252	1285763779	828
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 22:17:32	1285779283	1285779810	828
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 22:18:34	1285795315	1285795842	828
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 22:19:37	1285811345	1285811872	828
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 22:21:00	1285832737	1285833264	828
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 22:22:03	1285848769	1285849296	828
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 22:23:27	1285870161	1285870688	828
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 22:24:29	1285886191	1285886718	828
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 22:25:53	1285907583	1285908110	828
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 22:26:55	1285923615	1285924142	828
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:28:04	1285941166	1285941693	828
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 22:29:07	1285957197	1285957724	828
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:30:15	1285974747	1285975274	828
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 22:31:18	1285990778	1285991305	828
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:32:26	1286008329	1286008856	828
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 22:33:29	1286024361	1286024888	828
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:34:37	1286041912	1286042439	828
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 22:35:40	1286057942	1286058469	828
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:36:49	1286075493	1286076020	828
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 22:37:51	1286091524	1286092051	828
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:39:00	1286109077	1286109604	828
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 22:40:02	1286125106	1286125633	828
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:41:11	1286142657	1286143184	828
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 22:42:14	1286158688	1286159215	828
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:43:22	1286176239	1286176766	828
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 22:44:25	1286192271	1286192798	828
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:45:33	1286209823	1286210350	828
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 22:46:36	1286225853	1286226380	828
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:47:45	1286243404	1286243931	828
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 22:48:47	1286259435	1286259962	828
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:49:56	1286276986	1286277513	828
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	27-Apr-2002 22:50:58	1286293016	1286293543	828
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:52:07	1286310567	1286311094	828
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 22:53:10	1286326599	1286327126	828
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	27-Apr-2002 22:54:18	1286344149	1286344676	828
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 22:55:21	1286360181	1286360708	828
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 22:56:29	1286377731	1286378258	828
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 22:57:32	1286393763	1286394290	828
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 22:58:40	1286411314	1286411841	828
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	27-Apr-2002 22:59:43	1286427344	1286427871	828
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	27-Apr-2002 23:00:52	1286444895	1286445422	828
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 23:01:54	1286460926	1286461453	828
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 23:03:03	1286478477	1286479004	828
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	27-Apr-2002 23:04:05	1286494508	1286495035	828
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	27-Apr-2002 23:05:14	1286512060	1286512587	828
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	27-Apr-2002 23:06:17	1286528090	1286528617	828
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 23:07:25	1286545641	1286546168	828
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	27-Apr-2002 23:08:49	1286567034	1286567561	828
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 23:10:12	1286588425	1286588952	828
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	27-Apr-2002 23:11:36	1286609817	1286610344	828
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 23:12:59	1286631209	1286631736	828
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 23:14:23	1286652601	1286653128	828
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 23:15:47	1286673994	1286674521	828
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 23:17:10	1286695385	1286695912	828
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 23:18:34	1286716778	1286717305	828
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	27-Apr-2002 23:23:25	1286791300	1286792443	828

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:24:11	1286803117	1286803644	828
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:25:35	1286824510	1286825037	828
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:26:58	1286845901	1286846428	828
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:28:22	1286867294	1286867821	828
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:29:45	1286888685	1286889212	828
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:31:09	1286910077	1286910604	828
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:32:32	1286931469	1286931996	828
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:33:56	1286952861	1286953388	828
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:35:19	1286974254	1286974781	828
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:36:43	1286995645	1286996172	828
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:38:07	1287017038	1287017565	828
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:39:30	1287038429	1287038956	828
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:40:54	1287059821	1287060348	828
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:42:17	1287081213	1287081740	828
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:43:41	1287102605	1287103132	828
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	27-Apr-2002 23:45:04	1287123998	1287124525	828
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 23:49:15	1287188202	1287188729	829
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 23:50:18	1287204234	1287204761	829
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 23:51:20	1287220265	1287220792	829
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 23:52:23	1287236295	1287236822	829
Pre: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Pre_47	47	High Data Rate (1867 kHz)	27-Apr-2002 23:53:26	1287252327	1287253118	829
Pre: Sun_Nadir_Mirror_Calibration (nominal scanning)	6	1	Pre_66	66	High Data Rate (1867 kHz)	27-Apr-2002 23:54:44	1287272491	1287273282	829
Pre: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	27-Apr-2002 23:55:19	1287281256	1287282474	829
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	27-Apr-2002 23:56:02	1287292322	1287292849	829
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 23:57:05	1287308354	1287308881	829
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	27-Apr-2002 23:58:07	1287324383	1287324910	829
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	27-Apr-2002 23:59:10	1287340414	1287340941	829
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 00:00:33	1287361806	1287362333	829
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 00:01:36	1287377837	1287378364	829
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 00:03:00	1287399232	1287399759	829
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	28-Apr-2002 00:04:02	1287415260	1287415787	829
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 00:05:26	1287436653	1287437180	829
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	28-Apr-2002 00:06:28	1287452683	1287453210	829
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 00:07:52	1287474076	1287474603	829
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	28-Apr-2002 00:08:54	1287490108	1287490635	829
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:10:03	1287507657	1287508184	829
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	28-Apr-2002 00:11:06	1287523688	1287524215	829
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:12:14	1287541239	1287541766	829
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 00:13:17	1287557270	1287557797	829
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:14:25	1287574822	1287575349	829
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 00:15:28	1287590853	1287591380	829
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:16:37	1287608403	1287608930	829
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 00:17:39	1287624434	1287624961	829
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:18:48	1287641985	1287642512	829
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 00:19:50	1287658017	1287658544	829
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:20:59	1287675567	1287676094	829
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 00:22:02	1287691598	1287692125	829
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:23:10	1287709149	1287709676	829
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 00:24:13	1287725181	1287725708	829
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:25:21	1287742731	1287743258	829
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 00:26:24	1287758762	1287759289	829
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:27:32	1287776314	1287776841	829
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 00:28:35	1287792344	1287792871	829
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:29:44	1287809895	1287810422	829
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 00:30:46	1287825926	1287826453	829
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:31:55	1287843477	1287844004	829
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 00:32:57	1287859509	1287860036	829
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:34:06	1287877059	1287877586	829

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 00:35:09	1287893090	1287893617	829
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 00:36:17	1287910641	1287911168	829
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 00:37:20	1287926673	1287927200	829
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 00:38:28	1287944224	1287944751	829
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 00:39:31	1287960254	1287960781	829
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 00:40:40	1287977805	1287978332	829
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 00:41:42	1287993837	1287994364	829
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 00:42:51	1288011387	1288011914	829
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	28-Apr-2002 00:43:53	1288027419	1288027946	829
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 00:45:02	1288044969	1288045496	829
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	28-Apr-2002 00:46:05	1288061000	1288061527	829
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 00:47:13	1288078551	1288079078	829
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	28-Apr-2002 00:48:16	1288094582	1288095109	829
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	28-Apr-2002 00:49:24	1288112134	1288112661	829
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	28-Apr-2002 00:50:48	1288133525	1288134052	829
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	28-Apr-2002 00:52:11	1288154918	1288155445	829
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	28-Apr-2002 00:53:35	1288176310	1288176837	829
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 00:54:59	1288197701	1288198228	829
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 00:56:22	1288219094	1288219621	829
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 00:57:46	1288240485	1288241012	829
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 00:59:09	1288261877	1288262404	829
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	28-Apr-2002 01:04:00	1288336376	1288337519	829
Pre: Weekly_Calibration_Eclipse	56	1	Pre_46	46	Low Data Rate (400 kHz)	28-Apr-2002 01:04:46	1288348194	1288348895	829
Pre: Weekly_Calibration_Eclipse	56	2	Pre_63	63	Low Data Rate (400 kHz)	28-Apr-2002 01:04:56	1288350749	1288351540	829
Pre: Weekly_Calibration_Eclipse	56	3	Pre_67	67	Low Data Rate (400 kHz)	28-Apr-2002 01:05:31	1288359704	1288360495	829
Pre: Weekly_Calibration_Eclipse	56	4	Pre_46	46	Low Data Rate (400 kHz)	28-Apr-2002 01:08:56	1288412176	1288412967	829
Pre: Weekly_Calibration_Eclipse	56	5	Pre_59	59	Low Data Rate (400 kHz)	28-Apr-2002 01:09:06	1288414732	1288416006	829
Pre: Weekly_Calibration_Eclipse	56	6	Pre_63	63	Low Data Rate (400 kHz)	28-Apr-2002 01:09:28	1288420254	1288421045	829
Pre: Weekly_Calibration_Eclipse	56	7	Pre_67	67	Low Data Rate (400 kHz)	28-Apr-2002 01:10:03	1288429209	1288430000	829
Pre: Weekly_Calibration_Eclipse	56	8	Pre_46	46	Low Data Rate (400 kHz)	28-Apr-2002 01:13:28	1288481682	1288482473	829
Pre: Weekly_Calibration_Eclipse	56	9	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 01:13:38	1288484237	1288484764	829
Pre: Weekly_Calibration_Eclipse	56	10	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 01:15:01	1288505630	1288506157	829
Pre: Weekly_Calibration_Eclipse	56	11	Pre_63	63	Low Data Rate (400 kHz)	28-Apr-2002 01:16:25	1288527022	1288527813	829
Pre: Weekly_Calibration_Eclipse	56	12	Pre_67	67	Low Data Rate (400 kHz)	28-Apr-2002 01:17:00	1288535976	1288536767	829
Pre: Weekly_Calibration_Eclipse	56	13	Pre_46	46	Low Data Rate (400 kHz)	28-Apr-2002 01:20:25	1288588449	1288589240	829
Pre: Weekly_Calibration_Eclipse	56	14	Pre_61	61	Low Data Rate (400 kHz)	28-Apr-2002 01:20:35	1288591004	1288592410	829
Pre: Weekly_Calibration_Eclipse	56	15	Pre_63	63	Low Data Rate (400 kHz)	28-Apr-2002 01:20:58	1288596982	1288597773	829
Pre: Weekly_Calibration_Eclipse	56	16	Pre_67	67	Low Data Rate (400 kHz)	28-Apr-2002 01:21:33	1288605937	1288606728	829
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Pre_28	28	Low Data Rate (400 kHz)	28-Apr-2002 01:29:47	1288732273	1288732800	830
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Pre_28	28	Low Data Rate (400 kHz)	28-Apr-2002 01:30:49	1288748304	1288748831	830
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Pre_28	28	Low Data Rate (400 kHz)	28-Apr-2002 01:31:52	1288764335	1288764862	830
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Pre_28	28	Low Data Rate (400 kHz)	28-Apr-2002 01:32:55	1288780366	1288780893	830
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Pre_51	51	High Data Rate (1867 kHz)	28-Apr-2002 01:33:57	1288796398	1288797189	830
Pre: Limb/Nadir Sequence 1	50	1	Pre_28	28	Low Data Rate (400 kHz)	28-Apr-2002 01:35:10	1288815072	1288815599	830
Pre: Limb/Nadir Sequence 1	50	2	Pre_29	29	Low Data Rate (400 kHz)	28-Apr-2002 01:36:13	1288831102	1288831629	830
Pre: Limb/Nadir Sequence 1	50	3	Pre_29	29	Low Data Rate (400 kHz)	28-Apr-2002 01:37:15	1288847133	1288847660	830
Pre: Limb/Nadir Sequence 1	50	4	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 01:38:18	1288863164	1288863691	830
Pre: Limb/Nadir Sequence 1	50	5	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 01:39:21	1288879195	1288879722	830
Pre: Limb/Nadir Sequence 1	50	6	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 01:40:44	1288900588	1288901115	830
Pre: Limb/Nadir Sequence 1	50	7	Pre_02	2	Low Data Rate (400 kHz)	28-Apr-2002 01:41:47	1288916618	1288917145	830
Pre: Limb/Nadir Sequence 1	50	8	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 01:43:10	1288938011	1288938538	830
Pre: Limb/Nadir Sequence 1	50	9	Pre_03	3	Low Data Rate (400 kHz)	28-Apr-2002 01:44:13	1288954041	1288954568	830
Pre: Limb/Nadir Sequence 1	50	10	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 01:45:37	1288975433	1288975960	830
Pre: Limb/Nadir Sequence 1	50	11	Pre_04	4	Low Data Rate (400 kHz)	28-Apr-2002 01:46:39	1288991464	1288991991	830
Pre: Limb/Nadir Sequence 1	50	12	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 01:47:48	1289009015	1289009542	830
Pre: Limb/Nadir Sequence 1	50	13	Pre_05	5	Low Data Rate (400 kHz)	28-Apr-2002 01:48:50	1289025046	1289025573	830
Pre: Limb/Nadir Sequence 1	50	14	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 01:49:59	1289042597	1289043124	830
Pre: Limb/Nadir Sequence 1	50	15	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 01:51:02	1289058629	1289059156	830
Pre: Limb/Nadir Sequence 1	50	16	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 01:52:10	1289076180	1289076707	830

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb/Nadir Sequence 1	50	17	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 01:53:13	1289092210	1289092737	830
Pre: Limb/Nadir Sequence 1	50	18	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 01:54:21	1289109761	1289110288	830
Pre: Limb/Nadir Sequence 1	50	19	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 01:55:24	1289125792	1289126319	830
Pre: Limb/Nadir Sequence 1	50	20	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 01:56:32	1289143344	1289143871	830
Pre: Limb/Nadir Sequence 1	50	21	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 01:57:35	1289159375	1289159902	830
Pre: Limb/Nadir Sequence 1	50	22	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 01:58:44	1289176925	1289177452	830
Pre: Limb/Nadir Sequence 1	50	23	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 01:59:46	1289192956	1289193483	830
Pre: Limb/Nadir Sequence 1	50	24	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 02:00:55	1289210507	1289211034	830
Pre: Limb/Nadir Sequence 1	50	25	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 02:01:57	1289226539	1289227066	830
Pre: Limb/Nadir Sequence 1	50	26	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 02:03:06	1289244090	1289244617	830
Pre: Limb/Nadir Sequence 1	50	27	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 02:04:09	1289260120	1289260647	830
Pre: Limb/Nadir Sequence 1	50	28	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 02:05:17	1289277671	1289278198	830
Pre: Limb/Nadir Sequence 1	50	29	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 02:06:20	1289293702	1289294229	830
Pre: Limb/Nadir Sequence 1	50	30	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 02:07:28	1289311253	1289311780	830
Pre: Limb/Nadir Sequence 1	50	31	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 02:08:31	1289327885	1289327812	830
Pre: Limb/Nadir Sequence 1	50	32	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 02:09:40	1289344835	1289345362	830
Pre: Limb/Nadir Sequence 1	50	33	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 02:10:42	1289360867	1289361394	830
Pre: Limb/Nadir Sequence 1	50	34	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 02:11:51	1289378417	1289378944	830
Pre: Limb/Nadir Sequence 1	50	35	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 02:12:53	1289394448	1289394975	830
Pre: Limb/Nadir Sequence 1	50	36	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 02:14:02	1289411999	1289412526	830
Pre: Limb/Nadir Sequence 1	50	37	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 02:15:05	1289428030	1289428557	830
Pre: Limb/Nadir Sequence 1	50	38	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 02:16:13	1289445581	1289446108	830
Pre: Limb/Nadir Sequence 1	50	39	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 02:17:16	1289461612	1289462139	830
Pre: Limb/Nadir Sequence 1	50	40	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 02:18:24	1289479163	1289479690	830
Pre: Limb/Nadir Sequence 1	50	41	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 02:19:27	1289495194	1289495721	830
Pre: Limb/Nadir Sequence 1	50	42	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 02:20:35	1289512746	1289513273	830
Pre: Limb/Nadir Sequence 1	50	43	Pre_05	5	Low Data Rate (400 kHz)	28-Apr-2002 02:21:38	1289528776	1289529303	830
Pre: Limb/Nadir Sequence 1	50	44	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 02:22:47	1289546327	1289546854	830
Pre: Limb/Nadir Sequence 1	50	45	Pre_05	5	Low Data Rate (400 kHz)	28-Apr-2002 02:23:49	1289562358	1289562885	830
Pre: Limb/Nadir Sequence 1	50	46	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 02:24:58	1289579909	1289580436	830
Pre: Limb/Nadir Sequence 1	50	47	Pre_04	4	Low Data Rate (400 kHz)	28-Apr-2002 02:26:00	1289595941	1289596468	830
Pre: Limb/Nadir Sequence 1	50	48	Pre_03	3	Low Data Rate (400 kHz)	28-Apr-2002 02:27:09	1289613492	1289614019	830
Pre: Limb/Nadir Sequence 1	50	49	Pre_03	3	Low Data Rate (400 kHz)	28-Apr-2002 02:28:33	1289634883	1289635410	830
Pre: Limb/Nadir Sequence 1	50	50	Pre_02	2	Low Data Rate (400 kHz)	28-Apr-2002 02:29:56	1289656275	1289656802	830
Pre: Limb/Nadir Sequence 1	50	51	Pre_02	2	Low Data Rate (400 kHz)	28-Apr-2002 02:31:20	1289677667	1289678194	830
Pre: Limb/Nadir Sequence 1	50	52	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 02:32:43	1289699059	1289699586	830
Pre: Limb/Nadir Sequence 1	50	53	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 02:34:07	1289720451	1289720978	830
Pre: Limb/Nadir Sequence 1	50	54	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 02:35:30	1289741843	1289742370	830
Pre: Limb/Nadir Sequence 1	50	55	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 02:36:54	1289763236	1289763763	830
Pre: Limb/Nadir Sequence 1	50	56	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 02:38:17	1289784627	1289785154	830
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	28-Apr-2002 02:44:36	1289881476	1289882619	830
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:45:22	1289893293	1289893820	830
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:46:45	1289914685	1289915212	830
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:48:09	1289936078	1289936605	830
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:49:33	1289957470	1289957997	830
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:50:56	1289978861	1289979388	830
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:52:20	1290000253	1290000780	830
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:53:43	1290021645	1290022172	830
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:55:07	1290043038	1290043565	830
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:56:30	1290064430	1290064957	830
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:57:54	1290085821	1290086348	830
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 02:59:18	1290107213	1290107740	830
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 03:00:41	1290128606	1290129133	830
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 03:02:05	1290149997	1290150524	830
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 03:03:28	1290171389	1290171916	830
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 03:04:52	1290192782	1290193309	830
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 03:06:15	1290214174	1290214701	830
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Pre_28	28	Low Data Rate (400 kHz)	28-Apr-2002 03:10:22	1290277383	1290277910	831
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Pre_28	28	Low Data Rate (400 kHz)	28-Apr-2002 03:11:25	1290293414	1290293941	831
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Pre_28	28	Low Data Rate (400 kHz)	28-Apr-2002 03:12:28	1290309445	1290309972	831

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Pre_28	28	Low Data Rate (400 kHz)	28-Apr-2002 03:13:30	1290325476	1290326003	831
Pre: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Pre_51	51	High Data Rate (1867 kHz)	28-Apr-2002 03:14:33	1290341508	1290342299	831
Pre: Limb/Nadir Sequence 2	53	1	Pre_28	28	Low Data Rate (400 kHz)	28-Apr-2002 03:15:46	1290360182	1290360709	831
Pre: Limb/Nadir Sequence 2	53	2	Pre_29	29	Low Data Rate (400 kHz)	28-Apr-2002 03:16:48	1290376213	1290376740	831
Pre: Limb/Nadir Sequence 2	53	3	Pre_29	29	Low Data Rate (400 kHz)	28-Apr-2002 03:17:51	1290392244	1290392771	831
Pre: Limb/Nadir Sequence 2	53	4	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 03:18:54	1290408274	1290408801	831
Pre: Limb/Nadir Sequence 2	53	5	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 03:20:17	1290429666	1290430193	831
Pre: Limb/Nadir Sequence 2	53	6	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 03:21:20	1290445698	1290446225	831
Pre: Limb/Nadir Sequence 2	53	7	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 03:22:43	1290467090	1290467617	831
Pre: Limb/Nadir Sequence 2	53	8	Pre_02	2	Low Data Rate (400 kHz)	28-Apr-2002 03:23:46	1290483120	1290483647	831
Pre: Limb/Nadir Sequence 2	53	9	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 03:25:10	1290504512	1290505039	831
Pre: Limb/Nadir Sequence 2	53	10	Pre_03	3	Low Data Rate (400 kHz)	28-Apr-2002 03:26:12	1290520543	1290521070	831
Pre: Limb/Nadir Sequence 2	53	11	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 03:27:36	1290541936	1290542463	831
Pre: Limb/Nadir Sequence 2	53	12	Pre_04	4	Low Data Rate (400 kHz)	28-Apr-2002 03:28:38	1290557966	1290558493	831
Pre: Limb/Nadir Sequence 2	53	13	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:29:47	1290575517	1290576044	831
Pre: Limb/Nadir Sequence 2	53	14	Pre_05	5	Low Data Rate (400 kHz)	28-Apr-2002 03:30:49	1290591548	1290592075	831
Pre: Limb/Nadir Sequence 2	53	15	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:31:58	1290609099	1290609626	831
Pre: Limb/Nadir Sequence 2	53	16	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 03:33:01	1290625131	1290625658	831
Pre: Limb/Nadir Sequence 2	53	17	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:34:09	1290642681	1290643208	831
Pre: Limb/Nadir Sequence 2	53	18	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 03:35:12	1290658713	1290659240	831
Pre: Limb/Nadir Sequence 2	53	19	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:36:20	1290676263	1290676790	831
Pre: Limb/Nadir Sequence 2	53	20	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 03:37:23	1290692295	1290692822	831
Pre: Limb/Nadir Sequence 2	53	21	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:38:32	1290709845	1290710372	831
Pre: Limb/Nadir Sequence 2	53	22	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 03:39:34	1290725876	1290726403	831
Pre: Limb/Nadir Sequence 2	53	23	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:40:43	1290743427	1290743954	831
Pre: Limb/Nadir Sequence 2	53	24	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 03:41:45	1290759459	1290759986	831
Pre: Limb/Nadir Sequence 2	53	25	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:42:54	1290777009	1290777536	831
Pre: Limb/Nadir Sequence 2	53	26	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 03:43:57	1290793041	1290793568	831
Pre: Limb/Nadir Sequence 2	53	27	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:45:05	1290810591	1290811118	831
Pre: Limb/Nadir Sequence 2	53	28	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 03:46:08	1290826622	1290827149	831
Pre: Limb/Nadir Sequence 2	53	29	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:47:16	1290844173	1290844700	831
Pre: Limb/Nadir Sequence 2	53	30	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 03:48:19	1290860204	1290860731	831
Pre: Limb/Nadir Sequence 2	53	31	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:49:27	1290877755	1290878282	831
Pre: Limb/Nadir Sequence 2	53	32	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 03:50:30	1290893786	1290894313	831
Pre: Limb/Nadir Sequence 2	53	33	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:51:39	1290911338	1290911865	831
Pre: Limb/Nadir Sequence 2	53	34	Pre_07	7	Low Data Rate (400 kHz)	28-Apr-2002 03:52:41	1290927368	1290927895	831
Pre: Limb/Nadir Sequence 2	53	35	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:53:50	1290944919	1290945446	831
Pre: Limb/Nadir Sequence 2	53	36	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 03:54:52	1290960950	1290961477	831
Pre: Limb/Nadir Sequence 2	53	37	Pre_32	32	Low Data Rate (400 kHz)	28-Apr-2002 03:56:01	1290978501	1290979028	831
Pre: Limb/Nadir Sequence 2	53	38	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 03:57:04	1290994533	1290995060	831
Pre: Limb/Nadir Sequence 2	53	39	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 03:58:12	1291012083	1291012610	831
Pre: Limb/Nadir Sequence 2	53	40	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 03:59:15	1291028114	1291028641	831
Pre: Limb/Nadir Sequence 2	53	41	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 04:00:23	1291045666	1291046193	831
Pre: Limb/Nadir Sequence 2	53	42	Pre_06	6	Low Data Rate (400 kHz)	28-Apr-2002 04:01:26	1291061696	1291062223	831
Pre: Limb/Nadir Sequence 2	53	43	Pre_31	31	Low Data Rate (400 kHz)	28-Apr-2002 04:02:35	1291079248	1291079775	831
Pre: Limb/Nadir Sequence 2	53	44	Pre_05	5	Low Data Rate (400 kHz)	28-Apr-2002 04:03:37	1291095279	1291095806	831
Pre: Limb/Nadir Sequence 2	53	45	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 04:04:46	1291112829	1291113356	831
Pre: Limb/Nadir Sequence 2	53	46	Pre_05	5	Low Data Rate (400 kHz)	28-Apr-2002 04:05:48	1291128862	1291129389	831
Pre: Limb/Nadir Sequence 2	53	47	Pre_30	30	Low Data Rate (400 kHz)	28-Apr-2002 04:06:57	1291146412	1291146939	831
Pre: Limb/Nadir Sequence 2	53	48	Pre_04	4	Low Data Rate (400 kHz)	28-Apr-2002 04:08:00	1291162443	1291162970	831
Pre: Limb/Nadir Sequence 2	53	49	Pre_03	3	Low Data Rate (400 kHz)	28-Apr-2002 04:09:08	1291179993	1291180520	831
Pre: Limb/Nadir Sequence 2	53	50	Pre_03	3	Low Data Rate (400 kHz)	28-Apr-2002 04:10:32	1291201386	1291201913	831
Pre: Limb/Nadir Sequence 2	53	51	Pre_02	2	Low Data Rate (400 kHz)	28-Apr-2002 04:11:55	1291222777	1291223304	831
Pre: Limb/Nadir Sequence 2	53	52	Pre_02	2	Low Data Rate (400 kHz)	28-Apr-2002 04:13:19	1291244169	1291244696	831
Pre: Limb/Nadir Sequence 2	53	53	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 04:14:42	1291265562	1291266089	831
Pre: Limb/Nadir Sequence 2	53	54	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 04:16:06	1291286954	1291287481	831
Pre: Limb/Nadir Sequence 2	53	55	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 04:17:29	1291308346	1291308873	831
Pre: Limb/Nadir Sequence 2	53	56	Pre_01	1	Low Data Rate (400 kHz)	28-Apr-2002 04:18:53	1291329737	1291330264	831
ADC Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	28-Apr-2002 04:25:11	1291426592	1291427735	831
Pre: Orbit_Daily_Calibration_Eclipse	55	1	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:25:58	1291438409	1291438936	831
Pre: Orbit_Daily_Calibration_Eclipse	55	2	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:27:21	1291459800	1291460327	831
Pre: Orbit_Daily_Calibration_Eclipse	55	3	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:28:45	1291481192	1291481719	831

## State History List

Timeline Description	Timeline Id	State Sequence in Timeline	State Description	State Id	Data Rate	State Start at UTC	State Start at OBT	Expected ISP OBT	In Orbit
Pre: Orbit_Daily_Calibration_Eclipse	55	4	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:30:08	1291502584	1291503111	831
Pre: Orbit_Daily_Calibration_Eclipse	55	5	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:31:32	1291523976	1291524503	831
Pre: Orbit_Daily_Calibration_Eclipse	55	6	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:32:55	1291545370	1291545897	831
Pre: Orbit_Daily_Calibration_Eclipse	55	7	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:34:19	1291566760	1291567287	831
Pre: Orbit_Daily_Calibration_Eclipse	55	8	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:35:42	1291588153	1291588680	831
Pre: Orbit_Daily_Calibration_Eclipse	55	9	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:37:06	1291609545	1291610072	831
Pre: Orbit_Daily_Calibration_Eclipse	55	10	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:38:30	1291630936	1291631463	831
Pre: Orbit_Daily_Calibration_Eclipse	55	11	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:39:53	1291652328	1291652855	831
Pre: Orbit_Daily_Calibration_Eclipse	55	12	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:41:17	1291673720	1291674247	831
Pre: Orbit_Daily_Calibration_Eclipse	55	13	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:42:40	1291695112	1291695639	831
Pre: Orbit_Daily_Calibration_Eclipse	55	14	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:44:04	1291716504	1291717031	831
Pre: Orbit_Daily_Calibration_Eclipse	55	15	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:45:27	1291737897	1291738424	831
Pre: Orbit_Daily_Calibration_Eclipse	55	16	Pre_27	27	Low Data Rate (400 kHz)	28-Apr-2002 04:46:51	1291759288	1291759815	831
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	28-Apr-2002 06:05:47	1292971707	1292972850	832
Pre: MO&C (pointing, long duration)	10	1	Pre_57	57	Low Data Rate (400 kHz)	28-Apr-2002 07:22:31	1294150340	1294150867	833
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	28-Apr-2002 07:46:23	1294516808	1294517951	833
1. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	15	1	M_IFOV_ASM	22	Low Data Rate (400 kHz)	28-Apr-2002 09:03:43	1295704889	1295705416	834
ADC_Calibration	63	1	Pre_65	65	Low Data Rate (400 kHz)	28-Apr-2002 09:26:58	1296061906	1296063049	834