

## 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	Bet_65	65	Low Data Rate (400 kHz)	19-Jun-2002 20:33:47	2456461110	2456462253	1585
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Jun-2002 22:14:23	2458006276	2458007419	1586
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	19-Jun-2002 22:40:36	2458409034	2458409561	1587
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	19-Jun-2002 22:41:39	2458425066	2458425593	1587
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	19-Jun-2002 22:42:42	2458441096	2458441623	1587
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	19-Jun-2002 22:43:44	2458457127	2458457654	1587
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	19-Jun-2002 22:44:47	2458473159	2458473950	1587
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	19-Jun-2002 22:47:06	2458508726	2458509253	1587
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	19-Jun-2002 22:48:08	2458524757	2458525284	1587
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	19-Jun-2002 22:49:11	2458540788	2458541315	1587
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 22:50:14	2458556819	2458557346	1587
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 22:51:37	2458578212	2458578739	1587
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 22:52:40	2458594243	2458594770	1587
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 22:54:03	2458615634	2458616161	1587
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	19-Jun-2002 22:55:06	2458631665	2458632192	1587
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 22:56:30	2458653058	2458653585	1587
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	19-Jun-2002 22:57:32	2458669088	2458669615	1587
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 22:58:56	2458690481	2458691008	1587
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	19-Jun-2002 22:59:58	2458706512	2458707039	1587
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 23:01:07	2458724064	2458724591	1587
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	19-Jun-2002 23:02:09	2458740093	2458740620	1587
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 23:03:18	2458757644	2458758171	1587
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	19-Jun-2002 23:04:21	2458773675	2458774202	1587
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 23:05:29	2458791227	2458791754	1587
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	19-Jun-2002 23:06:32	2458807259	2458807786	1587
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 23:07:40	2458824808	2458825335	1587
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	19-Jun-2002 23:08:43	2458840839	2458841366	1587
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 23:09:52	2458858390	2458858917	1587
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	19-Jun-2002 23:10:54	2458874421	2458874948	1587
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 23:12:03	2458891973	2458892500	1587
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	19-Jun-2002 23:13:05	2458908003	2458908530	1587
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 23:14:14	2458925554	2458926081	1587
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	19-Jun-2002 23:15:17	2458941585	2458942112	1587
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 23:16:25	2458959136	2458959663	1587
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	19-Jun-2002 23:17:28	2458975168	2458975695	1587
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	19-Jun-2002 23:18:36	2458992719	2458993246	1587
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	19-Jun-2002 23:19:39	2459008749	2459009276	1587
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	19-Jun-2002 23:20:47	2459026300	2459026827	1587
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	19-Jun-2002 23:21:50	2459042331	2459042858	1587
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	19-Jun-2002 23:22:59	2459059882	2459060409	1587
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	19-Jun-2002 23:24:01	2459075913	2459076440	1587
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	19-Jun-2002 23:25:10	2459093465	2459093992	1587
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	19-Jun-2002 23:26:12	2459109495	2459110022	1587
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	19-Jun-2002 23:27:21	2459127047	2459127574	1587
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	19-Jun-2002 23:28:24	2459143077	2459143604	1587
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	19-Jun-2002 23:29:32	2459160628	2459161155	1587
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	19-Jun-2002 23:30:35	2459176660	2459177187	1587
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	19-Jun-2002 23:31:43	2459194210	2459194737	1587
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	19-Jun-2002 23:32:46	2459210241	2459210768	1587
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	19-Jun-2002 23:34:10	2459231633	2459232160	1587
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	19-Jun-2002 23:35:12	2459247665	2459248192	1587
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	19-Jun-2002 23:36:36	2459269057	2459269584	1587
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 23:37:38	2459285087	2459285614	1587
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	19-Jun-2002 23:39:02	2459306479	2459307006	1587
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 23:40:05	2459322510	2459323037	1587
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 23:41:28	2459343902	2459344429	1587
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 23:42:52	2459365295	2459365822	1587
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 23:44:15	2459386686	2459387213	1587
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 23:45:39	2459408079	2459408606	1587

## 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
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 23:47:02	2459429471	2459429998	1587
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 23:48:26	2459450862	2459451389	1587
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 23:49:49	2459472254	2459472781	1587
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	19-Jun-2002 23:51:13	2459493664	2459494173	1587
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	19-Jun-2002 23:54:59	2459551446	2459552589	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	19-Jun-2002 23:55:45	2459563263	2459563790	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	19-Jun-2002 23:56:29	2459574543	2459575070	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	19-Jun-2002 23:57:13	2459585821	2459586348	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	19-Jun-2002 23:57:57	2459597100	2459597627	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	19-Jun-2002 23:58:41	2459608379	2459608906	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	19-Jun-2002 23:59:25	2459619658	2459620185	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 00:00:09	2459630937	2459631464	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 00:00:53	2459642216	2459642743	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 00:01:37	2459653495	2459654022	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 00:02:22	2459664774	2459665301	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 00:03:06	2459676054	2459676581	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 00:03:50	2459687333	2459687860	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 00:04:34	2459698611	2459699138	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 00:05:18	2459709890	2459710417	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 00:06:02	2459721170	2459721697	1587
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 00:06:46	2459732448	2459732975	1587
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 00:21:12	2459954202	2459954729	1588
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 00:22:15	2459970233	2459970760	1588
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 00:23:17	2459986264	2459986791	1588
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 00:24:20	2460002295	2460002822	1588
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	20-Jun-2002 00:25:23	2460018326	2460019117	1588
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 00:27:42	2460053896	2460054423	1588
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 00:28:44	2460069926	2460070453	1588
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 00:29:47	2460085958	2460086485	1588
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 00:30:49	2460101988	2460102515	1588
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 00:31:52	2460118019	2460118546	1588
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:33:01	2460135570	2460136097	1588
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 00:34:03	2460151601	2460152128	1588
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:35:12	2460169153	2460169680	1588
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 00:36:14	2460185183	2460185710	1588
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:37:23	2460202735	2460203262	1588
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 00:38:26	2460218765	2460219292	1588
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:39:34	2460236317	2460236844	1588
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 00:40:37	2460252347	2460252874	1588
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:41:45	2460269899	2460270426	1588
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 00:42:48	2460285929	2460286456	1588
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:43:56	2460303481	2460304008	1588
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 00:44:59	2460319511	2460320038	1588
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:46:08	2460337062	2460337589	1588
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 00:47:10	2460353093	2460353620	1588
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:48:19	2460370645	2460371172	1588
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 00:49:21	2460386675	2460387202	1588
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:50:30	2460404227	2460404754	1588
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 00:51:33	2460420257	2460420784	1588
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:52:41	2460437809	2460438336	1588
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 00:53:44	2460453840	2460454367	1588
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:54:52	2460471391	2460471918	1588
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 00:55:55	2460487422	2460487949	1588
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:57:04	2460504973	2460505500	1588
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 00:58:06	2460521003	2460521530	1588
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 00:59:15	2460538554	2460539081	1588
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 01:00:17	2460554586	2460555113	1588
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 01:01:26	2460572136	2460572663	1588
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 01:02:29	2460588167	2460588694	1588

## 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
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 01:03:37	2460605718	2460606245	1588
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 01:04:40	2460621749	2460622276	1588
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 01:05:48	2460639301	2460639828	1588
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 01:06:51	2460655331	2460655858	1588
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 01:07:59	2460672882	2460673409	1588
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 01:09:02	2460688913	2460689440	1588
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 01:10:11	2460706464	2460706991	1588
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 01:11:13	2460722495	2460723022	1588
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 01:12:22	2460740047	2460740574	1588
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	20-Jun-2002 01:13:24	2460756077	2460756604	1588
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 01:14:48	2460777469	2460777996	1588
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	20-Jun-2002 01:15:51	2460793500	2460794027	1588
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 01:17:14	2460814892	2460815419	1588
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 01:18:17	2460830924	2460831451	1588
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 01:19:40	2460852316	2460852843	1588
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 01:21:04	2460873707	2460874234	1588
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 01:22:27	2460895099	2460895626	1588
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 01:23:51	2460916491	2460917018	1588
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 01:25:15	2460937883	2460938410	1588
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 01:26:38	2460959275	2460959802	1588
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 01:28:02	2460980668	2460981195	1588
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 01:29:25	2461002060	2461002587	1588
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 01:30:49	2461023451	2461023978	1588
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 01:35:35	2461096626	2461097769	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:36:21	2461108444	2461108971	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:37:05	2461119724	2461120251	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:37:49	2461131002	2461131529	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:38:33	2461142281	2461142808	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:39:17	2461153561	2461154088	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:40:01	2461164839	2461165366	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:40:45	2461176119	2461176646	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:41:29	2461187398	2461187925	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:42:13	2461198676	2461199203	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:42:57	2461209956	2461210483	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:43:41	2461221234	2461221761	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:44:26	2461232514	2461233041	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:45:10	2461243792	2461244319	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:45:54	2461255071	2461255598	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:46:38	2461266350	2461266877	1588
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 01:47:22	2461277630	2461278157	1588
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 02:01:48	2461499368	2461499895	1589
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 02:02:51	2461515399	2461515926	1589
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 02:03:53	2461531431	2461531958	1589
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 02:04:56	2461547461	2461547988	1589
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	20-Jun-2002 02:05:58	2461563492	2461564283	1589
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 02:08:17	2461599061	2461599588	1589
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 02:09:20	2461615092	2461615619	1589
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 02:10:23	2461631123	2461631650	1589
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 02:11:25	2461647154	2461647681	1589
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:12:49	2461668547	2461669074	1589
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 02:13:51	2461684577	2461685104	1589
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:15:15	2461705969	2461706496	1589
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	20-Jun-2002 02:16:18	2461722000	2461722527	1589
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:17:41	2461743393	2461743920	1589
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	20-Jun-2002 02:18:44	2461759424	2461759951	1589
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:20:07	2461780816	2461781343	1589
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 02:21:10	2461796846	2461797373	1589
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:22:18	2461814397	2461814924	1589
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 02:23:21	2461830429	2461830956	1589

## 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
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:24:30	2461847979	2461848506	1589
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 02:25:32	2461864010	2461864537	1589
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:26:41	2461881561	2461882088	1589
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 02:27:43	2461897592	2461898119	1589
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:28:52	2461915144	2461915671	1589
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 02:29:55	2461931174	2461931701	1589
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:31:03	2461948725	2461949252	1589
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 02:32:06	2461964756	2461965283	1589
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:33:14	2461982307	2461982834	1589
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 02:34:17	2461998339	2461998866	1589
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:35:26	2462015890	2462016417	1589
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 02:36:28	2462031920	2462032447	1589
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:37:37	2462049472	2462049999	1589
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 02:38:39	2462065503	2462066030	1589
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 02:39:48	2462083054	2462083581	1589
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 02:40:51	2462099084	2462099611	1589
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 02:41:59	2462116635	2462117162	1589
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 02:43:02	2462132667	2462133194	1589
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 02:44:10	2462150218	2462150745	1589
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 02:45:13	2462166248	2462166775	1589
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 02:46:21	2462183800	2462184327	1589
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 02:47:24	2462199830	2462200357	1589
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 02:48:33	2462217381	2462217908	1589
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 02:49:35	2462233412	2462233939	1589
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 02:50:44	2462250964	2462251491	1589
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 02:51:46	2462266994	2462267521	1589
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 02:52:55	2462284546	2462285073	1589
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	20-Jun-2002 02:53:58	2462300576	2462301103	1589
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 02:55:21	2462321968	2462322495	1589
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	20-Jun-2002 02:56:24	2462337999	2462338526	1589
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 02:57:47	2462359391	2462359918	1589
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 02:58:50	2462375423	2462375950	1589
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 03:00:14	2462396814	2462397341	1589
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 03:01:16	2462412845	2462413372	1589
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 03:02:40	2462434238	2462434765	1589
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 03:04:03	2462455629	2462456156	1589
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 03:05:27	2462477022	2462477549	1589
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 03:06:50	2462498413	2462498940	1589
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 03:08:14	2462519806	2462520333	1589
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 03:09:38	2462541197	2462541724	1589
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 03:11:01	2462562589	2462563116	1589
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 03:12:25	2462583981	2462584508	1589
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 03:16:11	2462641833	2462642976	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:16:57	2462653651	2462654178	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:17:41	2462664930	2462665457	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:18:25	2462676209	2462676736	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:19:09	2462687488	2462688015	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:19:53	2462698766	2462699293	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:20:37	2462710045	2462710572	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:21:21	2462721324	2462721851	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:22:05	2462732603	2462733130	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:22:49	2462743882	2462744409	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:23:33	2462755162	2462755689	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:24:17	2462766440	2462766967	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:25:01	2462777719	2462778246	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:25:46	2462788998	2462789525	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:26:30	2462800278	2462800805	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:27:14	2462811557	2462812084	1589
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 03:27:58	2462822836	2462823363	1589
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 03:42:24	2463044564	2463045091	1590
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 03:43:26	2463060595	2463061122	1590

## 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
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 03:44:29	2463076625	2463077152	1590
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 03:45:32	2463092657	2463093184	1590
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	20-Jun-2002 03:46:34	2463108687	2463109478	1590
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 04:02:01	2463345860	2463346387	1590
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 04:03:03	2463361890	2463362417	1590
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 04:04:06	2463377922	2463378449	1590
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 04:05:09	2463393952	2463394479	1590
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 04:06:11	2463409984	2463410511	1590
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:07:20	2463427534	2463428061	1590
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 04:08:22	2463443565	2463444092	1590
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:09:31	2463461116	2463461643	1590
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 04:10:34	2463477148	2463477675	1590
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:11:42	2463494698	2463495225	1590
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 04:12:45	2463510730	2463511257	1590
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:13:53	2463528280	2463528807	1590
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 04:14:56	2463544311	2463544838	1590
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:16:05	2463561862	2463562389	1590
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 04:17:07	2463577893	2463578420	1590
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:18:16	2463595445	2463595972	1590
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 04:19:18	2463611475	2463612002	1590
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:20:27	2463629026	2463629553	1590
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 04:21:30	2463645057	2463645584	1590
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:22:38	2463662609	2463663136	1590
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 04:23:41	2463678640	2463679167	1590
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:24:49	2463696190	2463696717	1590
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 04:25:52	2463712221	2463712748	1590
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:27:00	2463729773	2463730300	1590
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 04:28:03	2463745803	2463746330	1590
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 04:29:12	2463763355	2463763882	1590
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 04:30:14	2463779385	2463779912	1590
Bet: MO&C (pointing)	9	1	Bet_56	56	Low Data Rate (400 kHz)	20-Jun-2002 04:44:34	2463999554	2464000081	1590
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 04:56:47	2464187056	2464188199	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 04:57:33	2464198872	2464199399	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 04:58:17	2464210151	2464210678	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 04:59:01	2464221430	2464221957	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 04:59:45	2464232709	2464233236	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:00:29	2464243988	2464244515	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:01:13	2464255267	2464255794	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:01:57	2464266546	2464267073	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:02:41	2464277825	2464278352	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:03:25	2464289105	2464289632	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:04:09	2464300383	2464300910	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:04:53	2464311663	2464312190	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:05:37	2464322942	2464323469	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:06:22	2464334221	2464334747	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:07:06	2464345500	2464346026	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:07:50	2464356779	2464357306	1590
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 05:08:34	2464368058	2464368585	1590
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 05:23:00	2464589783	2464590310	1591
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 05:24:02	2464605813	2464606340	1591
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 05:25:05	2464621844	2464622371	1591
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 05:26:08	2464637876	2464638403	1591
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	20-Jun-2002 05:27:10	2464653907	2464654698	1591
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 05:42:27	2464888683	2464889210	1591
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 05:43:30	2464904715	2464905242	1591
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 05:44:33	2464920746	2464921273	1591

## 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
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 05:45:35	2464936777	2464937304	1591
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 05:46:38	2464952808	2464953335	1591
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 05:47:46	2464970359	2464970886	1591
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 05:48:49	2464986389	2464986916	1591
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 05:49:58	2465003941	2465004468	1591
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 05:51:00	2465019972	2465020499	1591
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 05:52:09	2465037522	2465038049	1591
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 05:53:11	2465053553	2465054080	1591
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 05:54:20	2465071104	2465071631	1591
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 05:55:23	2465087135	2465087662	1591
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 05:56:31	2465104686	2465105213	1591
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 05:57:34	2465120717	2465121244	1591
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 05:58:42	2465138268	2465138795	1591
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 05:59:45	2465154299	2465154826	1591
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 06:00:54	2465171850	2465172377	1591
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 06:01:56	2465187882	2465188409	1591
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 06:03:05	2465205433	2465205960	1591
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 06:04:07	2465221463	2465221990	1591
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 06:05:16	2465239015	2465239542	1591
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 06:06:19	2465255045	2465255572	1591
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 06:07:27	2465272596	2465273123	1591
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 06:08:30	2465288628	2465289155	1591
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 06:09:38	2465306179	2465306706	1591
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 06:10:41	2465322210	2465322737	1591
Bet: Moon_Nadir_Mirror_Calibration (nominal scanning)	12	1	Bet_55	55	Low Data Rate (400 kHz)	20-Jun-2002 06:24:52	2465539983	2465540510	1591
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 06:37:23	2465732267	2465733410	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:38:09	2465744083	2465744610	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:38:53	2465755362	2465755889	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:39:37	2465766641	2465767168	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:40:21	2465777920	2465778447	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:41:05	2465789200	2465789727	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:41:49	2465800479	2465801006	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:42:33	2465811758	2465812285	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:43:17	2465823036	2465823563	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:44:01	2465834315	2465834842	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:44:45	2465845594	2465846121	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:45:29	2465856873	2465857400	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:46:13	2465868152	2465868679	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:46:58	2465879431	2465879958	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:47:42	2465890711	2465891238	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:48:26	2465901990	2465902517	1591
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 06:49:10	2465913269	2465913796	1591
Bet: MO&C (pointing, long duration)	10	1	Bet_57	57	Low Data Rate (400 kHz)	20-Jun-2002 08:05:37	2467087572	2467088099	1592
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 08:17:59	2467277459	2467278602	1592
1. SF Alignment Moon OBJ 32	18	1	M_SF_1	9	Low Data Rate (400 kHz)	20-Jun-2002 09:46:38	2468639187	2468639714	1593
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 09:58:34	2468822639	2468823782	1593
2. SF Alignment Moon OBJ 32	19	1	M_SF_2	10					1594
ADC_Calibration	63	1	Bet_65	65					1594
3. SF Alignment Moon OBJ 32	20	1	M_SF_3	11	Low Data Rate (400 kHz)	20-Jun-2002 13:07:39	2471726948	2471727475	1595
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 13:19:46	2471912981	2471914124	1595
4. SF Alignment Moon OBJ 32	21	1	M_SF_4	12	Low Data Rate (400 kHz)	20-Jun-2002 14:48:10	2473270835	2473271362	1596
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 15:00:22	2473458180	2473459323	1596
5. SF Alignment Moon OBJ 32	22	1	M_SF_5	13	Low Data Rate (400 kHz)	20-Jun-2002 16:28:41	2474814750	2474815277	1597
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 16:40:58	2475003404	2475004547	1597
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 17:07:11	2475406670	2475406597	1598
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 17:08:14	2475422101	2475422628	1598
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 17:09:16	2475438132	2475438659	1598

## 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
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 17:10:19	2475454163	2475454690	1598
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	20-Jun-2002 17:11:21	2475470195	2475470986	1598
Bet: Sun Calibration (fast sweep scanning)	3	1	Bet_50	50	High Data Rate (1867 kHz)	20-Jun-2002 17:12:39	2475490101	2475490892	1598
Bet: ES: Sun Diffuser (ND in)	8	1	Bet_62	62	High Data Rate (1867 kHz)	20-Jun-2002 17:13:12	2475498456	2475499806	1598
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 17:14:37	2475520131	2475520658	1598
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 17:15:39	2475536162	2475536689	1598
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 17:16:42	2475552194	2475552721	1598
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 17:17:44	2475568225	2475568752	1598
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 17:18:47	2475584255	2475584782	1598
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:19:56	2475601806	2475602333	1598
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 17:20:58	2475617837	2475618364	1598
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:22:07	2475635389	2475635916	1598
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 17:23:09	2475651419	2475651946	1598
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:24:18	2475668970	2475669497	1598
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 17:25:21	2475685001	2475685528	1598
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:26:29	2475702553	2475703080	1598
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 17:27:32	2475718584	2475719111	1598
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:28:40	2475736134	2475736661	1598
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 17:29:43	2475752165	2475752692	1598
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:30:51	2475769717	2475770244	1598
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 17:31:54	2475785747	2475786274	1598
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:33:03	2475803300	2475803827	1598
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 17:34:05	2475819329	2475819856	1598
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:35:14	2475836880	2475837407	1598
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 17:36:16	2475852912	2475853439	1598
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:37:25	2475870462	2475870989	1598
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 17:38:28	2475886494	2475887021	1598
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:39:36	2475904044	2475904571	1598
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 17:40:39	2475920076	2475920603	1598
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:41:47	2475937626	2475938153	1598
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 17:42:50	2475953657	2475954184	1598
Bet: Limb/Nadir Sequence 1	51	1	Bet_60	60	Low Data Rate (400 kHz)	20-Jun-2002 17:44:43	2475982709	2475983747	1598
Bet: Limb/Nadir Sequence 1	51	2	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 17:45:12	2475989995	2475990522	1598
Bet: Limb/Nadir Sequence 1	51	3	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 17:46:15	2476006026	2476006553	1598
Bet: Limb/Nadir Sequence 1	51	4	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 17:47:23	2476023576	2476024103	1598
Bet: Limb/Nadir Sequence 1	51	5	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 17:48:26	2476039607	2476040134	1598
Bet: Limb/Nadir Sequence 1	51	6	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 17:49:34	2476057158	2476057685	1598
Bet: Limb/Nadir Sequence 1	51	7	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 17:50:37	2476073189	2476073716	1598
Bet: Limb/Nadir Sequence 1	51	8	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 17:51:45	2476090741	2476091268	1598
Bet: Limb/Nadir Sequence 1	51	9	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 17:52:48	2476106772	2476107299	1598
Bet: Limb/Nadir Sequence 1	51	10	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 17:53:57	2476124322	2476124849	1598
Bet: Limb/Nadir Sequence 1	51	11	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 17:54:59	2476140353	2476140880	1598
Bet: Limb/Nadir Sequence 1	51	12	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 17:56:08	2476157905	2476158432	1598
Bet: Limb/Nadir Sequence 1	51	13	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 17:57:10	2476173937	2476174464	1598
Bet: Limb/Nadir Sequence 1	51	14	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 17:58:19	2476191486	2476192013	1598
Bet: Limb/Nadir Sequence 1	51	15	Bet_03	3	Low Data Rate (400 kHz)	20-Jun-2002 17:59:22	2476207518	2476208045	1598
Bet: Limb/Nadir Sequence 1	51	16	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 18:00:45	2476228909	2476229436	1598
Bet: Limb/Nadir Sequence 1	51	17	Bet_02	2	Low Data Rate (400 kHz)	20-Jun-2002 18:01:48	2476244940	2476245467	1598
Bet: Limb/Nadir Sequence 1	51	18	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 18:03:11	2476266333	2476266860	1598
Bet: Limb/Nadir Sequence 1	51	19	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:04:14	2476282364	2476282891	1598
Bet: Limb/Nadir Sequence 1	51	20	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:05:38	2476303755	2476304282	1598
Bet: Limb/Nadir Sequence 1	51	21	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:07:01	2476325148	2476325675	1598
Bet: Limb/Nadir Sequence 1	51	22	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:08:25	2476346539	2476347066	1598
Bet: Limb/Nadir Sequence 1	51	23	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:09:48	2476367931	2476368458	1598
Bet: Limb/Nadir Sequence 1	51	24	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:11:12	2476389324	2476389851	1598
Bet: Limb/Nadir Sequence 1	51	25	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:12:35	2476410716	2476411243	1598
Bet: Limb/Nadir Sequence 1	51	26	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:13:59	2476432107	2476432634	1598
Bet: Limb/Nadir Sequence 1	51	27	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:15:22	2476453499	2476454026	1598
Bet: Limb/Nadir Sequence 1	51	28	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:16:46	2476474892	2476475419	1598
Bet: Limb/Nadir Sequence 1	51	29	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 18:18:10	2476496283	2476496810	1598
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 18:21:34	2476548620	2476549763	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:22:20	2476560438	2476560965	1598

## 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
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:23:04	2476571717	2476572244	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:23:48	2476582996	2476583523	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:24:32	2476594277	2476594804	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:25:16	2476605555	2476606082	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:26:01	2476616833	2476617360	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:26:45	2476628113	2476628640	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:27:29	2476639391	2476639918	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:28:13	2476650671	2476651198	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:28:57	2476661949	2476662476	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:29:41	2476673229	2476673756	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:30:25	2476684507	2476685034	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:31:09	2476695786	2476696313	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:31:53	2476707065	2476707592	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:32:37	2476718345	2476718872	1598
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 18:33:21	2476729623	2476730150	1598
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 18:47:47	2476951280	2476951807	1599
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 18:48:50	2476967311	2476967838	1599
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 18:49:52	2476983342	2476983869	1599
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 18:50:55	2476999373	2476999900	1599
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	20-Jun-2002 18:51:57	2477015405	2477016196	1599
Bet: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Bet_68	68	High Data Rate (1867 kHz)	20-Jun-2002 18:53:15	2477035310	2477036101	1599
Bet: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	20-Jun-2002 18:53:48	2477043793	2477045011	1599
Bet: Limb/Nadir Sequence 2	52	1	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 18:55:44	2477073348	2477073875	1599
Bet: Limb/Nadir Sequence 2	52	2	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 18:56:46	2477089379	2477089906	1599
Bet: Limb/Nadir Sequence 2	52	3	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 18:57:49	2477105410	2477105937	1599
Bet: Limb/Nadir Sequence 2	52	4	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 18:58:52	2477121441	2477121968	1599
Bet: Limb/Nadir Sequence 2	52	5	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:00:00	2477138993	2477139520	1599
Bet: Limb/Nadir Sequence 2	52	6	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 19:01:03	2477155023	2477155550	1599
Bet: Limb/Nadir Sequence 2	52	7	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:02:11	2477172575	2477173102	1599
Bet: Limb/Nadir Sequence 2	52	8	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 19:03:14	2477188605	2477189132	1599
Bet: Limb/Nadir Sequence 2	52	9	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:04:23	2477206156	2477206683	1599
Bet: Limb/Nadir Sequence 2	52	10	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 19:05:25	2477222187	2477222714	1599
Bet: Limb/Nadir Sequence 2	52	11	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:06:34	2477239739	2477240266	1599
Bet: Limb/Nadir Sequence 2	52	12	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 19:07:36	2477255770	2477256297	1599
Bet: Limb/Nadir Sequence 2	52	13	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:08:45	2477273320	2477273847	1599
Bet: Limb/Nadir Sequence 2	52	14	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 19:09:48	2477289351	2477289878	1599
Bet: Limb/Nadir Sequence 2	52	15	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:10:56	2477306902	2477307429	1599
Bet: Limb/Nadir Sequence 2	52	16	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 19:11:59	2477322933	2477323460	1599
Bet: Limb/Nadir Sequence 2	52	17	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:13:07	2477340485	2477341012	1599
Bet: Limb/Nadir Sequence 2	52	18	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 19:14:10	2477356515	2477357042	1599
Bet: Limb/Nadir Sequence 2	52	19	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:15:18	2477374067	2477374594	1599
Bet: Limb/Nadir Sequence 2	52	20	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 19:16:21	2477390097	2477390624	1599
Bet: Limb/Nadir Sequence 2	52	21	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:17:30	2477407648	2477408175	1599
Bet: Limb/Nadir Sequence 2	52	22	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 19:18:32	2477423679	2477424206	1599
Bet: Limb/Nadir Sequence 2	52	23	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:19:41	2477441231	2477441758	1599
Bet: Limb/Nadir Sequence 2	52	24	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 19:20:43	2477457261	2477457788	1599
Bet: Limb/Nadir Sequence 2	52	25	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:21:52	2477474812	2477475339	1599
Bet: Limb/Nadir Sequence 2	52	26	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 19:22:55	2477490844	2477491371	1599
Bet: Limb/Nadir Sequence 2	54	1	Bet_60	60	Low Data Rate (400 kHz)	20-Jun-2002 19:25:19	2477527900	2477528938	1599
Bet: Limb/Nadir Sequence 2	54	2	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 19:25:48	2477535185	2477535712	1599
Bet: Limb/Nadir Sequence 2	54	3	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 19:26:56	2477552736	2477553263	1599
Bet: Limb/Nadir Sequence 2	54	4	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 19:27:59	2477568768	2477569295	1599
Bet: Limb/Nadir Sequence 2	54	5	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 19:29:08	2477586319	2477586846	1599
Bet: Limb/Nadir Sequence 2	54	6	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 19:30:10	2477602348	2477602876	1599
Bet: Limb/Nadir Sequence 2	54	7	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 19:31:19	2477619901	2477620428	1599
Bet: Limb/Nadir Sequence 2	54	8	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 19:32:21	2477635932	2477636459	1599
Bet: Limb/Nadir Sequence 2	54	9	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 19:33:30	2477653482	2477654009	1599
Bet: Limb/Nadir Sequence 2	54	10	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 19:34:33	2477669513	2477670040	1599



## 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
Bet: Limb/Nadir Sequence 2	54	11	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 19:35:41	2477687066	2477687593	1599
Bet: Limb/Nadir Sequence 2	54	12	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 19:36:44	2477703095	2477703622	1599
Bet: Limb/Nadir Sequence 2	54	13	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 19:37:52	2477720646	2477721173	1599
Bet: Limb/Nadir Sequence 2	54	14	Bet_03	3	Low Data Rate (400 kHz)	20-Jun-2002 19:38:55	2477736678	2477737205	1599
Bet: Limb/Nadir Sequence 2	54	15	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 19:40:18	2477758069	2477758596	1599
Bet: Limb/Nadir Sequence 2	54	16	Bet_02	2	Low Data Rate (400 kHz)	20-Jun-2002 19:41:21	2477774102	2477774629	1599
Bet: Limb/Nadir Sequence 2	54	17	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 19:42:45	2477795492	2477796019	1599
Bet: Limb/Nadir Sequence 2	54	18	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:43:47	2477811523	2477812050	1599
Bet: Limb/Nadir Sequence 2	54	19	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 19:45:11	2477832915	2477833442	1599
Bet: Limb/Nadir Sequence 2	54	20	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:46:13	2477848946	2477849473	1599
Bet: Limb/Nadir Sequence 2	54	21	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:47:37	2477870338	2477870865	1599
Bet: Limb/Nadir Sequence 2	54	22	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:49:01	2477891730	2477892257	1599
Bet: Limb/Nadir Sequence 2	54	23	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:50:24	2477913122	2477913649	1599
Bet: Limb/Nadir Sequence 2	54	24	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:51:48	2477934514	2477935041	1599
Bet: Limb/Nadir Sequence 2	54	25	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:53:11	2477955906	2477956433	1599
Bet: Limb/Nadir Sequence 2	54	26	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:54:35	2477977298	2477977825	1599
Bet: Limb/Nadir Sequence 2	54	27	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:55:58	2477998690	2477999217	1599
Bet: Limb/Nadir Sequence 2	54	28	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:57:22	2478020082	2478020609	1599
Bet: Limb/Nadir Sequence 2	54	29	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 19:58:46	2478041474	2478042001	1599
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 20:02:10	2478093812	2478094955	1599
Bet: Orbit_Daily_Calibration Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:02:56	2478105630	2478106157	1599
Bet: Orbit_Daily_Calibration Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:03:40	2478116909	2478117436	1599
Bet: Orbit_Daily_Calibration Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:04:24	2478128189	2478128716	1599
Bet: Orbit_Daily_Calibration Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:05:08	2478139467	2478139994	1599
Bet: Orbit_Daily_Calibration Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:05:52	2478150747	2478151274	1599
Bet: Orbit_Daily_Calibration Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:06:36	2478162026	2478162553	1599
Bet: Orbit_Daily_Calibration Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:07:20	2478173304	2478173831	1599
Bet: Orbit_Daily_Calibration Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:08:05	2478184583	2478185110	1599
Bet: Orbit_Daily_Calibration Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:08:49	2478195862	2478196389	1599
Bet: Orbit_Daily_Calibration Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:09:33	2478207141	2478207668	1599
Bet: Orbit_Daily_Calibration Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:10:17	2478218420	2478218947	1599
Bet: Orbit_Daily_Calibration Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:11:01	2478229699	2478230226	1599
Bet: Orbit_Daily_Calibration Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:11:45	2478240979	2478241506	1599
Bet: Orbit_Daily_Calibration Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:12:29	2478252258	2478252785	1599
Bet: Orbit_Daily_Calibration Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:13:13	2478263537	2478264064	1599
Bet: Orbit_Daily_Calibration Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 20:13:57	2478274816	2478275343	1599
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 20:28:23	2478496472	2478496999	1600
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 20:29:25	2478512503	2478513030	1600
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 20:30:28	2478528534	2478529061	1600
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 20:31:31	2478544565	2478545092	1600
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	20-Jun-2002 20:32:33	2478560597	2478561388	1600
Bet: Sun_Nadir_Mirror_Calibration (pointing)	5	1	Bet_64	64	High Data Rate (1867 kHz)	20-Jun-2002 20:33:51	2478580503	2478581294	1600
Bet: Sun_Diffuser (ND out)	7	1	Bet_52	52	High Data Rate (1867 kHz)	20-Jun-2002 20:34:24	2478588980	2478590198	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	1	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 20:36:09	2478615851	2478616378	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	2	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 20:36:43	2478624442	2478624969	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	3	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 20:40:06	2478676556	2478677083	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	4	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 20:40:15	2478678747	2478679274	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	5	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 20:40:48	2478687337	2478687864	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	6	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 20:44:12	2478739450	2478739977	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	7	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 20:44:21	2478741641	2478742168	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	8	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 20:44:54	2478750232	2478750759	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	9	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 20:48:18	2478802345	2478802872	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	10	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 20:48:26	2478804536	2478805063	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	11	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 20:49:00	2478813127	2478813654	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	12	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 20:52:23	2478865241	2478865768	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	13	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 20:52:32	2478867431	2478867958	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	14	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 20:53:05	2478876022	2478876549	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	15	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 20:56:29	2478928135	2478928662	1600

## 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
Bet: Monthly_Special_Calibration_Orbit_2/3	60	16	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 20:56:38	2478930326	2478930853	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	17	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 20:57:11	2478938917	2478939444	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	18	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:00:35	2478991030	2478991557	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	19	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:00:43	2478993221	2478993748	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	20	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:01:17	2479001813	2479002340	1600
Bet: Monthly_Special_Calibration_Orbit_2/3	60	21	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:04:40	2479053925	2479054452	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	1	Bet_58	58	Low Data Rate (400 kHz)	20-Jun-2002 21:05:55	2479073076	2479074114	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	2	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:06:24	2479080362	2479080889	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	3	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:06:57	2479088953	2479089480	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	4	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:10:21	2479141067	2479141594	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	5	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:10:29	2479143258	2479143785	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	6	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:11:03	2479151848	2479152375	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	7	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:14:26	2479203961	2479204488	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	8	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:14:35	2479206153	2479206680	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	9	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:15:09	2479214743	2479215270	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	10	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:18:32	2479266856	2479267383	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	11	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:18:41	2479269048	2479269575	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	12	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:19:14	2479277639	2479278166	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	13	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:22:38	2479329751	2479330278	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	14	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:22:46	2479331943	2479332470	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	15	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:23:20	2479340533	2479341060	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	16	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:26:44	2479392647	2479393174	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	17	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:26:52	2479394837	2479395364	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	18	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:27:26	2479403429	2479403956	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	19	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:30:49	2479455541	2479456068	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	20	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:30:58	2479457732	2479458259	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	21	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:31:31	2479466324	2479466851	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	22	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:34:55	2479518437	2479518964	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	23	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:35:03	2479520628	2479521155	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	24	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:35:37	2479529218	2479529745	1600
Bet: Monthly_Special_Calibration_Orbit_2	61	25	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:39:01	2479581331	2479581858	1600
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 21:42:46	2479638984	2479640127	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	1	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:43:32	2479650801	2479651328	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	2	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:44:05	2479659392	2479659919	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	3	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:47:29	2479711505	2479712032	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	4	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:47:38	2479713697	2479714224	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	5	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:48:11	2479722287	2479722814	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	6	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:51:35	2479774400	2479774927	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	7	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:51:43	2479776591	2479777118	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	8	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:52:17	2479785182	2479785709	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	9	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:55:40	2479837295	2479837822	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	10	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:55:49	2479839486	2479840013	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	11	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 21:56:23	2479848078	2479848605	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	12	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 21:59:46	2479900190	2479900717	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	13	Bet_63	63	Low Data Rate (400 kHz)	20-Jun-2002 21:59:55	2479902381	2479902908	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	14	Bet_67	67	Low Data Rate (400 kHz)	20-Jun-2002 22:00:28	2479910972	2479911499	1600
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	15	Bet_46	46	Low Data Rate (400 kHz)	20-Jun-2002 22:03:52	2479963085	2479963612	1600
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 22:08:59	2480041645	2480042172	1601

## 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
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 22:10:01	2480057677	2480058204	1601
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 22:11:04	2480073707	2480074234	1601
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 22:12:07	2480089739	2480090266	1601
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	20-Jun-2002 22:13:09	2480105769	2480106560	1601
Bet: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Bet_68	68	High Data Rate (1867 kHz)	20-Jun-2002 22:14:27	2480125677	2480126468	1601
Bet: ESM: Sun_Diffuser (ND in)	8	1	Bet_62	62	High Data Rate (1867 kHz)	20-Jun-2002 22:15:00	2480134023	2480135373	1601
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 22:15:43	2480145212	2480145739	1601
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 22:16:46	2480161243	2480161770	1601
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 22:17:48	2480177275	2480177802	1601
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 22:18:51	2480193306	2480193833	1601
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 22:19:54	2480209336	2480209863	1601
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:21:02	2480226888	2480227415	1601
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 22:22:05	2480242918	2480243445	1601
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:23:13	2480260470	2480260997	1601
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 22:24:16	2480276500	2480277027	1601
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:25:25	2480294051	2480294578	1601
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 22:26:27	2480310082	2480310609	1601
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:27:36	2480327633	2480328160	1601
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 22:28:38	2480343665	2480344192	1601
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:29:47	2480361215	2480361742	1601
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 22:30:50	2480377246	2480377773	1601
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:31:58	2480394797	2480395324	1601
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 22:33:01	2480410828	2480411355	1601
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:34:09	2480428379	2480428906	1601
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 22:35:12	2480444410	2480444937	1601
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:36:21	2480461962	2480462489	1601
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 22:37:23	2480477992	2480478519	1601
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:38:32	2480495543	2480496070	1601
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 22:39:34	2480511575	2480512102	1601
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:40:43	2480529126	2480529653	1601
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 22:41:46	2480545157	2480545684	1601
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:42:54	2480562708	2480563235	1601
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	20-Jun-2002 22:43:57	2480578738	2480579265	1601
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:45:05	2480596290	2480596817	1601
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 22:46:08	2480612321	2480612848	1601
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	20-Jun-2002 22:47:16	2480629872	2480630399	1601
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 22:48:19	2480646303	2480646830	1601
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 22:49:28	2480663453	2480663980	1601
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	20-Jun-2002 22:50:30	2480679484	2480680011	1601
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 22:51:39	2480697036	2480697563	1601
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 22:52:41	2480713067	2480713594	1601
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 22:53:50	2480730617	2480731144	1601
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	20-Jun-2002 22:54:53	2480746649	2480747176	1601
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 22:56:01	2480764200	2480764727	1601
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 22:57:04	2480780230	2480780757	1601
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 22:58:12	2480797783	2480798310	1601
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	20-Jun-2002 22:59:15	2480813812	2480814339	1601
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 23:00:24	2480831363	2480831890	1601
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	20-Jun-2002 23:01:26	2480847394	2480847921	1601
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 23:02:50	2480868786	2480869313	1601
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	20-Jun-2002 23:03:52	2480884819	2480885346	1601
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	20-Jun-2002 23:05:16	2480906209	2480906736	1601
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:06:18	2480922241	2480922768	1601
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:07:42	2480943632	2480944159	1601
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:09:06	2480965025	2480965552	1601
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:10:29	2480986416	2480986943	1601
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:11:53	2481007808	2481008335	1601
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:13:16	2481029202	2481029729	1601
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:14:40	2481050592	2481051119	1601

## 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
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:16:03	2481071984	2481072511	1601
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:17:27	2481093376	2481093903	1601
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:18:51	2481114769	2481115296	1601
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	20-Jun-2002 23:23:22	2481184154	2481185297	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:24:08	2481195973	2481196500	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:24:52	2481207251	2481207778	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:25:36	2481218530	2481219057	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:26:20	2481229810	2481230337	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:27:04	2481241088	2481241615	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:27:48	2481252367	2481252894	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:28:32	2481263646	2481264173	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:29:16	2481274926	2481275453	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:30:00	2481286206	2481286733	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:30:44	2481297484	2481298011	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:31:28	2481308762	2481309289	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:32:12	2481320041	2481320568	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:32:56	2481331321	2481331848	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:33:41	2481342600	2481343127	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:34:25	2481353879	2481354406	1601
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	20-Jun-2002 23:35:09	2481365157	2481365684	1601
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 23:49:35	2481586818	2481587345	1602
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 23:50:37	2481602849	2481603376	1602
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 23:51:40	2481618879	2481619406	1602
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	20-Jun-2002 23:52:42	2481634910	2481635437	1602
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	20-Jun-2002 23:53:45	2481650941	2481651732	1602
Bet: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Bet_68	68	High Data Rate (1867 kHz)	20-Jun-2002 23:55:03	2481670849	2481671640	1602
Bet: ESM: Sun_Diffuser (ND in)	8	1	Bet_62	62	High Data Rate (1867 kHz)	20-Jun-2002 23:55:35	2481679195	2481680545	1602
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	20-Jun-2002 23:56:19	2481690384	2481690911	1602
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 23:57:22	2481706415	2481706942	1602
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	20-Jun-2002 23:58:24	2481722447	2481722974	1602
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	20-Jun-2002 23:59:27	2481738477	2481739004	1602
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:00:50	2481759870	2481760397	1602
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 00:01:53	2481775902	2481776429	1602
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:03:17	2481797292	2481797819	1602
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	21-Jun-2002 00:04:19	2481813324	2481813851	1602
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:05:43	2481834715	2481835242	1602
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	21-Jun-2002 00:06:45	2481850746	2481851273	1602
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:08:09	2481872138	2481872665	1602
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 00:09:12	2481888170	2481888697	1602
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:10:20	2481905721	2481906248	1602
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 00:11:23	2481921751	2481922278	1602
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:12:31	2481939302	2481939829	1602
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 00:13:34	2481955335	2481955862	1602
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:14:43	2481972884	2481973411	1602
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 00:15:45	2481988915	2481989442	1602
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:16:54	2482006466	2482006993	1602
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 00:17:56	2482022497	2482023024	1602
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:19:05	2482040048	2482040575	1602
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 00:20:08	2482056079	2482056606	1602
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:21:16	2482073630	2482074157	1602
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 00:22:19	2482089661	2482090188	1602
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:23:27	2482107213	2482107740	1602
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 00:24:30	2482123244	2482123771	1602
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:25:38	2482140794	2482141321	1602
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 00:26:41	2482156826	2482157353	1602
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 00:27:50	2482174376	2482174903	1602
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 00:28:52	2482190408	2482190935	1602
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 00:30:01	2482207958	2482208485	1602

## 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
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 00:31:03	2482223989	2482224516	1602
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 00:32:12	2482241541	2482242068	1602
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 00:33:15	2482257571	2482258098	1602
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 00:34:23	2482275122	2482275649	1602
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 00:35:26	2482291153	2482291680	1602
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 00:36:34	2482308705	2482309232	1602
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 00:37:37	2482324736	2482325263	1602
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 00:38:46	2482342286	2482342813	1602
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 00:39:48	2482358317	2482358844	1602
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 00:40:57	2482375868	2482376395	1602
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	21-Jun-2002 00:41:59	2482391899	2482392426	1602
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 00:43:23	2482413292	2482413819	1602
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	21-Jun-2002 00:44:26	2482429323	2482429850	1602
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 00:45:49	2482450714	2482451241	1602
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 00:46:52	2482466745	2482467272	1602
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 00:48:15	2482488138	2482488665	1602
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 00:49:18	2482504169	2482504696	1602
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 00:50:41	2482525560	2482526087	1602
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 00:52:05	2482546952	2482547479	1602
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 00:53:29	2482568344	2482568871	1602
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 00:54:52	2482589736	2482590263	1602
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 00:56:16	2482611128	2482611655	1602
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 00:57:39	2482632521	2482633048	1602
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 00:59:03	2482653913	2482654440	1602
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 01:00:26	2482675304	2482675831	1602
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 01:03:57	2482729331	2482730474	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:04:44	2482741149	2482741676	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:05:28	2482752427	2482752954	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:06:12	2482763706	2482764233	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:06:56	2482774986	2482775513	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:07:40	2482786265	2482786792	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:08:24	2482797544	2482798071	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:09:08	2482808822	2482809349	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:09:52	2482820101	2482820628	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:10:36	2482831381	2482831908	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:11:20	2482842659	2482843186	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:12:04	2482853939	2482854466	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:12:48	2482865218	2482865745	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:13:32	2482876496	2482877023	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:14:16	2482887775	2482888302	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:15:00	2482899054	2482899581	1602
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 01:15:44	2482910333	2482910860	1602
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 01:30:10	2483131984	2483132511	1603
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 01:31:13	2483148016	2483148543	1603
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 01:32:16	2483164046	2483164573	1603
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 01:33:18	2483180078	2483180605	1603
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	21-Jun-2002 01:34:21	2483196109	2483196900	1603
Bet: Sun_Nadir_Mirror_Calibration (pointing)	5	1	Bet_64	64	High Data Rate (1867 kHz)	21-Jun-2002 01:35:39	2483216017	2483216808	1603
Bet: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	21-Jun-2002 01:36:12	2483224504	2483225722	1603
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 01:36:55	2483235568	2483236095	1603
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 01:37:58	2483251599	2483252126	1603
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 01:39:00	2483267631	2483268158	1603
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 01:40:03	2483283662	2483284189	1603
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 01:41:05	2483299692	2483300219	1603
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 01:42:14	2483317243	2483317770	1603
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 01:43:17	2483333274	2483333801	1603
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 01:44:25	2483350825	2483351352	1603
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 01:45:28	2483366856	2483367383	1603

## 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
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 01:46:36	2483384407	2483384934	1603
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 01:47:39	2483400438	2483400965	1603
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 01:48:48	2483417989	2483418516	1603
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 01:49:50	2483434020	2483434547	1603
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 01:50:59	2483451572	2483452099	1603
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 01:52:01	2483467602	2483468129	1603
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 01:53:10	2483485154	2483485681	1603
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 01:54:12	2483501184	2483501711	1603
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 01:55:21	2483518735	2483519262	1603
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 01:56:24	2483534766	2483535293	1603
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 01:57:32	2483552318	2483552845	1603
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 01:58:35	2483568348	2483568875	1603
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 01:59:43	2483585899	2483586426	1603
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 02:00:46	2483601930	2483602457	1603
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 02:01:55	2483619482	2483620009	1603
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 02:02:57	2483635513	2483636040	1603
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 02:04:06	2483653063	2483653590	1603
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 02:05:08	2483669094	2483669621	1603
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 02:06:17	2483686645	2483687172	1603
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 02:07:20	2483702677	2483703204	1603
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 02:08:28	2483720227	2483720754	1603
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 02:09:31	2483736258	2483736785	1603
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 02:10:39	2483753809	2483754336	1603
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 02:11:42	2483769840	2483770367	1603
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 02:12:50	2483787392	2483787919	1603
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 02:13:53	2483803423	2483803950	1603
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 02:15:02	2483820973	2483821500	1603
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 02:16:04	2483837004	2483837531	1603
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 02:17:13	2483854556	2483855083	1603
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 02:18:15	2483870586	2483871113	1603
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 02:19:24	2483888137	2483888664	1603
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 02:20:27	2483904168	2483904695	1603
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 02:21:35	2483921720	2483922247	1603
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	21-Jun-2002 02:22:38	2483937750	2483938277	1603
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 02:24:01	2483959142	2483959669	1603
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	21-Jun-2002 02:25:04	2483975174	2483975701	1603
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 02:26:28	2483996566	2483997093	1603
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 02:27:30	2484012597	2484013124	1603
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 02:28:54	2484033989	2484034516	1603
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 02:30:17	2484055380	2484055907	1603
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 02:31:41	2484076772	2484077299	1603
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 02:33:04	2484098164	2484098691	1603
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 02:34:28	2484119556	2484120083	1603
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 02:35:52	2484140949	2484141476	1603
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 02:37:15	2484162341	2484162868	1603
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 02:38:39	2484183732	2484184259	1603
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 02:40:02	2484205125	2484205652	1603
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 02:44:33	2484274536	2484275679	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:45:20	2484286353	2484286880	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:46:04	2484297632	2484298159	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:46:48	2484308911	2484309438	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:47:32	2484320191	2484320718	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:48:16	2484331469	2484331996	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:49:00	2484342748	2484343275	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:49:44	2484354027	2484354554	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:50:28	2484365306	2484365833	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:51:12	2484376585	2484377112	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:51:56	2484387865	2484388392	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:52:40	2484399144	2484399671	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:53:24	2484410423	2484410950	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:54:08	2484421701	2484422228	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:54:52	2484432980	2484433507	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:55:36	2484444260	2484444787	1603
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 02:56:20	2484455539	2484456066	1603

## 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
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 03:10:46	2484677170	2484677697	1604
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 03:11:49	2484693201	2484693728	1604
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 03:12:51	2484709233	2484709760	1604
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 03:13:54	2484725264	2484725791	1604
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	21-Jun-2002 03:14:57	2484741294	2484742085	1604
Bet: Sun_Nadir_Mirror_Calibration (nominal scanning)	6	1	Bet_66	66	High Data Rate (1867 kHz)	21-Jun-2002 03:16:14	2484761203	2484761994	1604
Bet: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	21-Jun-2002 03:16:48	2484769689	2484770907	1604
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 03:17:31	2484780753	2484781280	1604
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 03:18:33	2484796784	2484797311	1604
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 03:19:36	2484812815	2484813342	1604
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 03:20:39	2484828846	2484829373	1604
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:22:02	2484850239	2484850766	1604
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 03:23:05	2484866269	2484866796	1604
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:24:28	2484887662	2484888189	1604
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	21-Jun-2002 03:25:31	2484903692	2484904219	1604
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:26:55	2484925084	2484925611	1604
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	21-Jun-2002 03:27:57	2484941116	2484941643	1604
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:29:21	2484962507	2484963034	1604
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 03:30:23	2484978538	2484979065	1604
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:31:32	2484996089	2484996616	1604
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 03:32:35	2485012120	2485012647	1604
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:33:43	2485029672	2485030199	1604
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 03:34:46	2485045702	2485046229	1604
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:35:54	2485063254	2485063781	1604
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 03:36:57	2485079284	2485079811	1604
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:38:06	2485096836	2485097363	1604
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 03:39:08	2485112868	2485113395	1604
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:40:17	2485130417	2485130944	1604
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 03:41:19	2485146449	2485146976	1604
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:42:28	2485164000	2485164527	1604
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 03:43:30	2485180030	2485180557	1604
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:44:39	2485197581	2485198108	1604
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 03:45:42	2485213613	2485214140	1604
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:46:50	2485231165	2485231692	1604
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 03:47:53	2485247195	2485247722	1604
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 03:49:01	2485264745	2485265272	1604
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 03:50:04	2485280776	2485281303	1604
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 03:51:13	2485298328	2485298855	1604
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 03:52:15	2485314360	2485314887	1604
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 03:53:24	2485331909	2485332436	1604
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 03:54:26	2485347940	2485348467	1604
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 03:55:35	2485365491	2485366018	1604
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 03:56:38	2485381522	2485382049	1604
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 03:57:46	2485399073	2485399600	1604
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 03:58:49	2485415105	2485415632	1604
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 03:59:57	2485432655	2485433182	1604
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 04:01:00	2485448686	2485449213	1604
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 04:02:08	2485466237	2485466764	1604
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	21-Jun-2002 04:03:11	2485482268	2485482795	1604
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 04:04:35	2485503660	2485504187	1604
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	21-Jun-2002 04:05:37	2485519691	2485520218	1604
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 04:07:01	2485541083	2485541610	1604
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 04:08:03	2485557114	2485557641	1604
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 04:09:27	2485578506	2485579033	1604
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 04:10:30	2485594537	2485595064	1604
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 04:11:53	2485615930	2485616457	1604
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 04:13:17	2485637321	2485637848	1604
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 04:14:40	2485658713	2485659240	1604

## 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
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 04:16:04	2485680106	2485680633	1604
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 04:17:27	2485701497	2485702024	1604
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 04:18:51	2485722889	2485723416	1604
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 04:20:15	2485744282	2485744809	1604
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 04:21:38	2485765675	2485766202	1604
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 04:25:09	2485819756	2485820899	1604
Bet: Weekly Calibration _Eclipse	56	1	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 04:25:56	2485831573	2485832100	1604
Bet: Weekly Calibration _Eclipse	56	2	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 04:26:04	2485833767	2485834294	1604
Bet: Weekly Calibration _Eclipse	56	3	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 04:26:38	2485842355	2485842882	1604
Bet: Weekly Calibration _Eclipse	56	4	Bet_59	59	Low Data Rate (400 kHz)	21-Jun-2002 04:30:01	2485894468	2485895742	1604
Bet: Weekly Calibration _Eclipse	56	5	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 04:30:23	2485899991	2485900518	1604
Bet: Weekly Calibration _Eclipse	56	6	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 04:30:31	2485902183	2485902710	1604
Bet: Weekly Calibration _Eclipse	56	7	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 04:31:05	2485910774	2485911301	1604
Bet: Weekly Calibration _Eclipse	56	8	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 04:34:29	2485962887	2485963414	1604
Bet: Weekly Calibration _Eclipse	56	9	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 04:34:37	2485965078	2485965605	1604
Bet: Weekly Calibration _Eclipse	56	10	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 04:35:11	2485973668	2485974195	1604
Bet: Weekly Calibration _Eclipse	56	11	Bet_61	61	Low Data Rate (400 kHz)	21-Jun-2002 04:38:34	2486025781	2486027187	1604
Bet: Weekly Calibration _Eclipse	56	12	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 04:38:58	2486031758	2486032285	1604
Bet: Weekly Calibration _Eclipse	56	13	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 04:39:06	2486033950	2486034477	1604
Bet: Weekly Calibration _Eclipse	56	14	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 04:39:40	2486042541	2486043068	1604
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 04:51:18	2486221366	2486221893	1605
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 04:52:21	2486237396	2486237923	1605
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 04:53:23	2486253427	2486253954	1605
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 04:54:26	2486269458	2486269985	1605
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Bet_51	51	High Data Rate (1867 kHz)	21-Jun-2002 04:55:29	2486285489	2486286280	1605
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 04:56:42	2486304163	2486304690	1605
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 04:57:44	2486320194	2486320721	1605
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 04:58:47	2486336225	2486336752	1605
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 04:59:49	2486352256	2486352783	1605
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 05:00:52	2486368288	2486368815	1605
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:02:01	2486385839	2486386366	1605
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 05:03:03	2486401869	2486402396	1605
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:04:12	2486419421	2486419948	1605
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 05:05:14	2486435452	2486435979	1605
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:06:23	2486453002	2486453529	1605
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 05:07:26	2486469033	2486469560	1605
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:08:34	2486486584	2486487111	1605
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 05:09:37	2486502615	2486503142	1605
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:10:45	2486520166	2486520693	1605
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 05:11:48	2486536197	2486536724	1605
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:12:57	2486553748	2486554275	1605
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 05:13:59	2486569780	2486570307	1605
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:15:08	2486587330	2486587857	1605
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 05:16:10	2486603361	2486603888	1605
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:17:19	2486620913	2486621440	1605
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 05:18:22	2486636943	2486637470	1605
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:19:30	2486654495	2486655022	1605
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 05:20:33	2486670525	2486671052	1605
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:21:41	2486688077	2486688604	1605
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 05:22:44	2486704108	2486704635	1605
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:23:52	2486721658	2486722185	1605
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 05:24:55	2486737690	2486738217	1605
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:26:04	2486755241	2486755768	1605
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 05:27:06	2486771271	2486771798	1605
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 05:28:15	2486788823	2486789350	1605
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 05:29:17	2486804853	2486805380	1605
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 05:30:26	2486822405	2486822932	1605
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 05:31:29	2486838435	2486838962	1605
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 05:32:37	2486855987	2486856514	1605



## 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
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 05:33:40	2486872018	2486872545	1605
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 05:34:48	2486889568	2486890095	1605
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 05:35:51	2486905599	2486906126	1605
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 05:37:00	2486923150	2486923677	1605
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 05:38:02	2486939182	2486939709	1605
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 05:39:11	2486956732	2486957259	1605
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 05:40:13	2486972763	2486973290	1605
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 05:41:22	2486990314	2486990841	1605
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	21-Jun-2002 05:42:25	2487006345	2487006872	1605
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 05:43:48	2487027738	2487028265	1605
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	21-Jun-2002 05:44:51	2487043768	2487044295	1605
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	21-Jun-2002 05:46:14	2487065161	2487065688	1605
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 05:47:17	2487081191	2487081718	1605
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 05:48:40	2487102583	2487103110	1605
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 05:50:04	2487123975	2487124502	1605
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 05:51:28	2487145367	2487145894	1605
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 05:52:51	2487166759	2487167286	1605
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 05:54:15	2487188152	2487188679	1605
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 05:55:38	2487209544	2487210071	1605
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 05:57:02	2487230936	2487231463	1605
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 05:58:25	2487252328	2487252855	1605
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 05:59:49	2487273719	2487274246	1605
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 06:05:45	2487369475	2487366118	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:06:32	2487376792	2487377319	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:07:16	2487388071	2487388598	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:08:00	2487399350	2487399877	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:08:44	2487410630	2487411157	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:09:28	2487421908	2487422435	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:10:12	2487433187	2487433714	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:10:56	2487444467	2487444994	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:11:40	2487455745	2487456272	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:12:24	2487467024	2487467551	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:13:08	2487478304	2487478831	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:13:52	2487489582	2487490109	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:14:36	2487500862	2487501389	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:15:20	2487512140	2487512667	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:16:04	2487523419	2487523946	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:16:48	2487534699	2487535226	1605
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 06:17:32	2487545978	2487546505	1605
Bet: MO&C (pointing, long duration)	10	1	Bet_57	57	Low Data Rate (400 kHz)	21-Jun-2002 07:32:51	2488702608	2488703135	1606
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 07:46:21	2488910178	2488911321	1606
1. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	15	1	M_IFOV_ASM	22	Low Data Rate (400 kHz)	21-Jun-2002 09:14:08	2490258317	2490258844	1607
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 09:26:57	2490455362	2490456505	1607
2. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	16	1	M_IFOV_ESM	34	Low Data Rate (400 kHz)	21-Jun-2002 10:54:38	2491802083	2491802610	1608
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 11:07:33	2492000541	2492001684	1608
Limb TCFOV moon OBJ 105	17	1	M_TCFOV	14	Low Data Rate (400 kHz)	21-Jun-2002 12:33:54	2493326965	2493327492	1609
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 12:48:09	2493545708	2493546851	1609
Timing of Sun Fixed Event Moon OBJ 62	23	1	M_SF_6	21	Low Data Rate (400 kHz)	21-Jun-2002 14:15:19	2494884664	2494885191	1610
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 14:28:45	2495090895	2495092038	1610
Timing of Sun Fixed Event Moon OBJ 62	23	1	M_SF_6	21	Low Data Rate (400 kHz)	21-Jun-2002 15:55:50	2496428467	2496428994	1611
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 16:09:21	2496636114	2496637257	1611
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 16:35:33	2497038686	2497039213	1612
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 16:36:36	2497054717	2497055244	1612
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 16:37:39	2497070748	2497071275	1612
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 16:38:41	2497086779	2497087306	1612

## 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
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	21-Jun-2002 16:39:44	2497102811	2497103602	1612
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 16:54:08	2497324160	2497324687	1612
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 16:55:11	2497340191	2497340718	1612
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 16:56:14	2497356222	2497356749	1612
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 16:57:16	2497372253	2497372780	1612
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 16:58:19	2497388284	2497388811	1612
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 16:59:28	2497405835	2497406362	1612
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 17:00:30	2497421867	2497422394	1612
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 17:01:39	2497439417	2497439944	1612
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 17:02:41	2497455449	2497455976	1612
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 17:03:50	2497473000	2497473527	1612
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 17:04:53	2497489030	2497489557	1612
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 17:06:01	2497506582	2497507109	1612
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 17:07:04	2497522612	2497523139	1612
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 17:08:12	2497540163	2497540690	1612
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 17:09:15	2497556195	2497556722	1612
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 17:10:23	2497573745	2497574272	1612
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 17:11:26	2497589777	2497590304	1612
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 17:12:35	2497607328	2497607855	1612
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 17:13:37	2497623358	2497623885	1612
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 17:14:46	2497640910	2497641437	1612
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 17:15:48	2497656940	2497657467	1612
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 17:16:57	2497674491	2497675018	1612
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 17:18:00	2497690523	2497691050	1612
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 17:19:08	2497708074	2497708601	1612
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 17:20:11	2497724104	2497724631	1612
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 17:21:19	2497741655	2497742182	1612
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 17:22:22	2497757686	2497758213	1612
Bet: Moon_Nadir_Mirror_Calibration (nominal scanning)	12	1	Bet_55	55	Low Data Rate (400 kHz)	21-Jun-2002 17:35:40	2497962033	2497962560	1612
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 17:49:57	2498181338	2498182481	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:50:43	2498193154	2498193681	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:51:27	2498204435	2498204962	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:52:11	2498215713	2498216240	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:52:55	2498226992	2498227519	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:53:39	2498238270	2498238797	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:54:23	2498249549	2498250076	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:55:07	2498260828	2498261355	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:55:51	2498272108	2498272635	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:56:35	2498283386	2498283913	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:57:20	2498294665	2498295192	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:58:04	2498305945	2498306472	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:58:48	2498317223	2498317750	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 17:59:32	2498328502	2498329029	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 18:00:16	2498339782	2498340309	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 18:01:00	2498351061	2498351588	1612
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	21-Jun-2002 18:01:44	2498362340	2498362867	1612
Bet: Monthly_Special_Calibration_Orbit_1	59	2	Bet_05	5					1613
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 18:16:09	2498583896	2498584423	1613
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 18:17:12	2498599928	2498600455	1613
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 18:18:15	2498615959	2498616486	1613
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 18:19:17	2498631990	2498632517	1613
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	21-Jun-2002 18:20:20	2498648021	2498648812	1613
Bet: Sun_Calibration (fast sweep scanning)	3	1	Bet_50	50	High Data Rate (1867 kHz)	21-Jun-2002 18:21:38	2498667932	2498668723	1613
Bet: ESM: Sun_Diffuser (ND in)	8	1	Bet_62	62	High Data Rate (1867 kHz)	21-Jun-2002 18:22:10	2498676288	2498677638	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	1	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 18:23:57	2498703720	2498704247	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	2	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 18:25:00	2498719751	2498720278	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	3	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 18:26:03	2498735782	2498736309	1613

## 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
Bet: Monthly_Special_Calibration_Orbit_1	57	4	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 18:27:05	2498751813	2498752340	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	5	Bet_59	59	Low Data Rate (400 kHz)	21-Jun-2002 18:28:08	2498767846	2498769120	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	6	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 18:28:29	2498773367	2498773894	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	7	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:29:38	2498790918	2498791445	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	8	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 18:30:41	2498806949	2498807476	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	9	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:31:49	2498824500	2498825027	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	10	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 18:32:52	2498840533	2498841060	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	11	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:34:00	2498858082	2498858609	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	12	Bet_59	59	Low Data Rate (400 kHz)	21-Jun-2002 18:35:03	2498874114	2498875388	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	13	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 18:35:25	2498879636	2498880163	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	14	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:36:33	2498897187	2498897714	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	15	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 18:37:36	2498913218	2498913745	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	16	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:38:44	2498930770	2498931297	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	17	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 18:39:47	2498946800	2498947327	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	18	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:40:55	2498964351	2498964878	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	19	Bet_59	59	Low Data Rate (400 kHz)	21-Jun-2002 18:41:58	2498980382	2498981656	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	20	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 18:42:20	2498985905	2498986432	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	21	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:43:28	2499003456	2499003983	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	22	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 18:44:31	2499019488	2499020015	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	23	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:45:39	2499037039	2499037566	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	24	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 18:46:42	2499053069	2499053596	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	25	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:47:51	2499070620	2499071147	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	26	Bet_59	59	Low Data Rate (400 kHz)	21-Jun-2002 18:48:53	2499086651	2499087925	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	27	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 18:49:15	2499092175	2499092702	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	28	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:50:23	2499109725	2499110252	1613
Bet: Monthly_Special_Calibration_Orbit_1	57	29	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 18:51:26	2499125756	2499126283	1613
Bet: Monthly_Special_Calibration_Orbit_1	58	1	Bet_60	60	Low Data Rate (400 kHz)	21-Jun-2002 18:53:42	2499160564	2499161602	1613
Bet: Monthly_Special_Calibration_Orbit_1	58	2	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 18:54:10	2499167850	2499168377	1613
Bet: Monthly_Special_Calibration_Orbit_1	58	3	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 18:55:13	2499183881	2499184408	1613
Bet: Monthly_Special_Calibration_Orbit_1	58	4	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 18:56:22	2499201432	2499201959	1613
Bet: Monthly_Special_Calibration_Orbit_1	58	5	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 18:57:24	2499217463	2499217990	1613
Bet: Monthly_Special_Calibration_Orbit_1	58	6	Bet_59	59	Low Data Rate (400 kHz)	21-Jun-2002 18:58:33	2499235015	2499236289	1613
Bet: Monthly_Special_Calibration_Orbit_1	58	7	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 18:58:54	2499240537	2499241064	1613
Bet: Monthly_Special_Calibration_Orbit_1	58	8	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 18:59:57	2499256568	2499257095	1613
Bet: Monthly_Special_Calibration_Orbit_1	58	9	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 19:01:06	2499274119	2499274646	1613
Bet: MO&C (pointing)	9	1	Bet_56	56	Low Data Rate (400 kHz)	21-Jun-2002 19:16:25	2499509417	2499509944	1613
Bet: Moon_Calibration (nominal scanning)	11	1	Bet_54	54	Low Data Rate (400 kHz)	21-Jun-2002 19:17:24	2499524559	2499525086	1613
Bet: Monthly_Special_Calibration_Orbit_1	59	1	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 19:17:43	2499529561	2499530088	1613
Bet: Monthly_Special_Calibration_Orbit_1	59	3	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 19:19:28	2499556476	2499557003	1613
Bet: Monthly_Special_Calibration_Orbit_1	59	4	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 19:20:52	2499577868	2499578395	1613
Bet: Monthly_Special_Calibration_Orbit_1	59	5	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 19:22:16	2499599260	2499599787	1613
Bet: Monthly_Special_Calibration_Orbit_1	59	6	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 19:23:39	2499620652	2499621179	1613
Bet: Monthly_Special_Calibration_Orbit_1	59	7	Bet_61	61	Low Data Rate (400 kHz)	21-Jun-2002 19:25:03	2499642044	2499643450	1613
Bet: Monthly_Special_Calibration_Orbit_1	59	8	Bet_01	1	Low Data Rate (400 kHz)	21-Jun-2002 19:25:26	2499648021	2499648548	1613
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 19:30:33	2499726540	2499727683	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	1	Bet_59	59	Low Data Rate (400 kHz)	21-Jun-2002 19:31:19	2499738356	2499739630	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	2	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 19:31:41	2499743879	2499744406	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	3	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 19:32:14	2499752470	2499752997	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	4	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 19:35:38	2499804584	2499805111	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	5	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 19:35:46	2499806774	2499807301	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	6	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 19:36:20	2499815366	2499815893	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	7	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 19:39:43	2499867478	2499868005	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	8	Bet_59	59	Low Data Rate (400 kHz)	21-Jun-2002 19:39:52	2499869669	2499870943	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	9	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 19:40:13	2499875192	2499875719	1613

## 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
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	10	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 19:40:47	2499883783	2499884310	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	11	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 19:44:11	2499935897	2499936424	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	12	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 19:44:19	2499938087	2499938614	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	13	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 19:44:53	2499946678	2499947205	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	14	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 19:48:16	2499998792	2499999319	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	15	Bet_59	59	Low Data Rate (400 kHz)	21-Jun-2002 19:48:25	2500000983	2500002257	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	16	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 19:48:46	2500006505	2500007032	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	17	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 19:49:20	2500015096	2500015623	1613
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	18	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 19:52:44	2500067210	2500067737	1613
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 19:56:45	2500129098	2500129625	1614
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 19:57:48	2500145129	2500145656	1614
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 19:58:51	2500161161	2500161688	1614
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 19:59:53	2500177191	2500177718	1614
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	21-Jun-2002 20:00:56	2500193223	2500194014	1614
Bet: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Bet_68	68	High Data Rate (1867 kHz)	21-Jun-2002 20:02:14	2500213136	2500213927	1614
Bet: Sun_Diffuser (ND out)	7	1	Bet_52	52	High Data Rate (1867 kHz)	21-Jun-2002 20:02:47	2500221616	2500222834	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	1	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:04:32	2500248504	2500249031	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	2	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:05:05	2500257096	2500257623	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	3	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:08:29	2500309209	2500309736	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	4	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:08:37	2500311399	2500311926	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	5	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:09:11	2500319991	2500320518	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	6	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:12:35	2500372104	2500372631	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	7	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:12:43	2500374294	2500374821	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	8	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:13:17	2500382885	2500383412	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	9	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:16:40	2500434998	2500435525	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	10	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:16:49	2500437190	2500437717	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	11	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:17:22	2500445780	2500446307	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	12	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:20:46	2500497893	2500498420	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	13	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:20:54	2500500085	2500500612	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	14	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:21:28	2500508675	2500509202	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	15	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:24:52	2500560789	2500561316	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	16	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:25:00	2500562979	2500563506	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	17	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:25:34	2500571570	2500572097	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	18	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:28:57	2500623684	2500624211	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	19	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:29:06	2500625875	2500626402	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	20	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:29:39	2500634466	2500634993	1614
Bet: Monthly_Special_Calibration_Orbit_2/3	60	21	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:33:03	2500686578	2500687105	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	1	Bet_58	58	Low Data Rate (400 kHz)	21-Jun-2002 20:34:18	2500705748	2500706275	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	2	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:34:46	2500713034	2500713561	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	3	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:35:20	2500721625	2500722152	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	4	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:38:43	2500773738	2500774265	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	5	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:38:52	2500775928	2500776455	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	6	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:39:26	2500784519	2500785046	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	7	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:42:49	2500836633	2500837160	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	8	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:42:58	2500838823	2500839350	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	9	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:43:31	2500847414	2500847941	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	10	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:46:55	2500899528	2500900055	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	11	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:47:03	2500901719	2500902246	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	12	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:47:37	2500910309	2500910836	1614

## 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
Bet: Monthly_Special_Calibration_Orbit_2	61	13	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:51:00	2500962422	2500962949	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	14	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:51:09	2500964613	2500965140	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	15	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:51:43	2500973204	2500973731	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	16	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:55:06	2501025317	2501025844	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	17	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:55:15	2501027508	2501028035	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	18	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:55:48	2501036100	2501036627	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	19	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 20:59:12	2501088213	2501088740	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	20	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 20:59:20	2501090403	2501090930	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	21	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 20:59:54	2501098994	2501099521	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	22	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 21:03:18	2501151107	2501151634	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	23	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 21:03:26	2501153298	2501153825	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	24	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 21:04:00	2501161890	2501162417	1614
Bet: Monthly_Special_Calibration_Orbit_2	61	25	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 21:07:23	2501214003	2501214530	1614
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 21:11:09	2501271718	2501272861	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	1	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 21:11:55	2501283536	2501284063	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	2	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 21:12:28	2501292126	2501292653	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	3	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 21:15:52	2501344239	2501344766	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	4	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 21:16:00	2501346431	2501346958	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	5	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 21:16:34	2501355021	2501355548	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	6	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 21:19:58	2501407134	2501407661	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	7	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 21:20:06	2501409326	2501409853	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	8	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 21:20:40	2501417917	2501418444	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	9	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 21:24:03	2501470029	2501470556	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	10	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 21:24:12	2501472220	2501472747	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	11	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 21:24:45	2501480811	2501481338	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	12	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 21:28:09	2501532924	2501533451	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	13	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 21:28:18	2501535115	2501535642	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	14	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 21:28:51	2501543706	2501544233	1614
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	15	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 21:32:15	2501595819	2501596346	1614
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 21:37:21	2501674276	2501674803	1615
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 21:38:24	2501690307	2501690834	1615
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 21:39:26	2501706338	2501706865	1615
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 21:40:29	2501722369	2501722896	1615
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	21-Jun-2002 21:41:32	2501738401	2501739192	1615
Bet: Sun_Nadir_Mirror_Calibration (pointing)	5	1	Bet_64	64	High Data Rate (1867 kHz)	21-Jun-2002 21:42:49	2501758313	2501759104	1615
Bet: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	21-Jun-2002 21:43:23	2501766795	2501768013	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	1	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 21:45:08	2501793748	2501794275	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	2	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 21:45:41	2501802338	2501802865	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	3	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 21:49:05	2501854451	2501854978	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	4	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 21:49:13	2501856642	2501857169	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	5	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 21:49:47	2501865234	2501865761	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	6	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 21:53:11	2501917347	2501917874	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	7	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 21:53:19	2501919537	2501920064	1615

## 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
Bet: Monthly_Special_Calibration_Orbit_2/3	60	8	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 21:53:53	2501928129	2501928656	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	9	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 21:57:16	2501980241	2501980768	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	10	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 21:57:25	2501982432	2501982959	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	11	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 21:57:58	2501991023	2501991550	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	12	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:01:22	2502043137	2502043664	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	13	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:01:31	2502045327	2502045854	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	14	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:02:04	2502053918	2502054445	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	15	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:05:28	2502106031	2502106558	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	16	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:05:36	2502108222	2502108749	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	17	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:06:10	2502116814	2502117341	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	18	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:09:33	2502168927	2502169454	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	19	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:09:42	2502171118	2502171645	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	20	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:10:15	2502179708	2502180235	1615
Bet: Monthly_Special_Calibration_Orbit_2/3	60	21	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:13:39	2502231822	2502232349	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	1	Bet_53	53	Low Data Rate (400 kHz)	21-Jun-2002 22:14:54	2502250915	2502251953	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	2	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:15:22	2502258201	2502258728	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	3	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:15:56	2502266793	2502267320	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	4	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:19:19	2502318905	2502319432	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	5	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:19:28	2502321097	2502321624	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	6	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:20:01	2502329688	2502330215	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	7	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:23:25	2502381800	2502382327	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	8	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:23:33	2502383991	2502384518	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	9	Bet_69	69	Low Data Rate (400 kHz)	21-Jun-2002 22:24:07	2502392583	2502393857	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	10	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:25:37	2502415514	2502416041	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	11	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:29:00	2502467628	2502468155	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	12	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:29:09	2502469819	2502470346	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	13	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:29:42	2502478410	2502478937	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	14	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:33:06	2502530522	2502531049	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	15	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:33:14	2502532713	2502533240	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	16	Bet_70	70	Low Data Rate (400 kHz)	21-Jun-2002 22:33:48	2502541305	2502542579	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	17	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:35:18	2502564426	2502564953	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	18	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:38:42	2502616540	2502617067	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	19	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:38:50	2502618730	2502619257	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	20	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:39:24	2502627321	2502627848	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	21	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:42:48	2502679434	2502679961	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	22	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:42:56	2502681625	2502682152	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	23	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:43:30	2502690217	2502690744	1615
Bet: Monthly_Special_Calibration_Orbit_3	62	24	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:46:53	2502742329	2502742856	1615
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	21-Jun-2002 22:51:44	2502816888	2502818031	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	1	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:52:31	2502828706	2502829233	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	2	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:53:04	2502837297	2502837824	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	3	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 22:56:28	2502889411	2502889938	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	4	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 22:56:36	2502891602	2502892129	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	5	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 22:57:10	2502900193	2502900720	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	6	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 23:00:33	2502952306	2502952833	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	7	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 23:00:42	2502954496	2502955023	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	8	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 23:01:16	2502963087	2502963614	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	9	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 23:04:39	2503015200	2503015727	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	10	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 23:04:48	2503017392	2503017919	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	11	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 23:05:21	2503025982	2503026509	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	12	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 23:08:45	2503078096	2503078623	1615

## 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
Ecl_beg_ecl_end_cal_monthly_spec_orb2 Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	13	Bet_63	63	Low Data Rate (400 kHz)	21-Jun-2002 23:08:53	2503080287	2503080814	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2 Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	14	Bet_67	67	Low Data Rate (400 kHz)	21-Jun-2002 23:09:27	2503088877	2503089404	1615
Ecl_beg_ecl_end_cal_monthly_spec_orb2 Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	15	Bet_46	46	Low Data Rate (400 kHz)	21-Jun-2002 23:12:50	2503140990	2503141517	1615
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 23:17:57	2503219450	2503219977	1616
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 23:19:00	2503235481	2503236008	1616
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 23:20:02	2503251512	2503252039	1616
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	21-Jun-2002 23:21:05	2503267543	2503268070	1616
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	21-Jun-2002 23:22:07	2503283574	2503284365	1616
Bet: Sun Nadir Mirror Calibration (pointing)	5	1	Bet_64	64	High Data Rate (1867 kHz)	21-Jun-2002 23:23:25	2503303488	2503304279	1616
Bet: Sun Nadir Mirror Calibration (nominal scanning)	6	1	Bet_66	66	High Data Rate (1867 kHz)	21-Jun-2002 23:23:38	2503306802	2503307593	1616
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	21-Jun-2002 23:23:58	2503311907	2503312434	1616
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 23:25:01	2503327940	2503328467	1616
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 23:26:03	2503343969	2503344496	1616
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 23:27:06	2503360000	2503360527	1616
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	21-Jun-2002 23:28:09	2503376031	2503376558	1616
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:29:17	2503393583	2503394110	1616
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	21-Jun-2002 23:30:20	2503409613	2503410140	1616
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:31:28	2503427164	2503427691	1616
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 23:32:31	2503443196	2503443723	1616
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:33:40	2503460746	2503461273	1616
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 23:34:42	2503476777	2503477304	1616
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:35:51	2503494330	2503494857	1616
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 23:36:53	2503510360	2503510887	1616
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:38:02	2503527910	2503528437	1616
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 23:39:05	2503543942	2503544469	1616
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:40:13	2503561492	2503562019	1616
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 23:41:16	2503577525	2503578052	1616
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:42:24	2503595074	2503595601	1616
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 23:43:27	2503611105	2503611632	1616
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:44:35	2503628656	2503629183	1616
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 23:45:38	2503644687	2503645214	1616
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:46:47	2503662239	2503662766	1616
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 23:47:49	2503678269	2503678796	1616
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:48:58	2503695820	2503696347	1616
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 23:50:00	2503711851	2503712378	1616
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:51:09	2503729402	2503729929	1616
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	21-Jun-2002 23:52:12	2503745434	2503745961	1616
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:53:20	2503762984	2503763511	1616
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 23:54:23	2503779016	2503779543	1616
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	21-Jun-2002 23:55:31	2503796567	2503797094	1616
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 23:56:34	2503812597	2503813124	1616
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 23:57:43	2503830148	2503830675	1616
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	21-Jun-2002 23:58:45	2503846179	2503846706	1616
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	21-Jun-2002 23:59:54	2503863731	2503864258	1616
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 00:00:56	2503879761	2503880288	1616
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 00:02:05	2503897312	2503897839	1616
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 00:03:07	2503913343	2503913870	1616
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 00:04:16	2503930894	2503931421	1616
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 00:05:19	2503946926	2503947453	1616
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 00:06:27	2503964476	2503965003	1616
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 00:07:30	2503980507	2503981034	1616
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 00:08:38	2503998059	2503998586	1616
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 00:09:41	2504014089	2504014616	1616
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 00:11:05	2504035482	2504036009	1616

## 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
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 00:12:07	2504051512	2504052039	1616
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 00:13:31	2504072904	2504073431	1616
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 00:14:33	2504088935	2504089462	1616
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 00:15:57	2504110327	2504110854	1616
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 00:17:21	2504131720	2504132247	1616
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 00:18:44	2504153111	2504153638	1616
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 00:20:08	2504174504	2504175031	1616
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 00:21:31	2504195896	2504196423	1616
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 00:22:55	2504217288	2504217815	1616
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 00:24:18	2504238679	2504239206	1616
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 00:25:42	2504260071	2504260598	1616
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 00:27:05	2504281464	2504281991	1616
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 00:32:20	2504362062	2504363205	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:33:06	2504373881	2504374408	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:33:51	2504385160	2504385687	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:34:35	2504396439	2504396966	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:35:19	2504407718	2504408245	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:36:03	2504418997	2504419524	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:36:47	2504430275	2504430802	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:37:31	2504441554	2504442081	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:38:15	2504452833	2504453360	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:38:59	2504464113	2504464640	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:39:43	2504475391	2504475918	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:40:27	2504486670	2504487197	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:41:11	2504497949	2504498476	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:41:55	2504509228	2504509755	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:42:39	2504520508	2504521035	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:43:23	2504531786	2504532313	1616
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 00:44:07	2504543065	2504543592	1616
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 00:58:33	2504764619	2504765146	1617
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 00:59:35	2504780651	2504781178	1617
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 01:00:38	2504796681	2504797208	1617
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 01:01:41	2504812713	2504813240	1617
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	22-Jun-2002 01:02:43	2504828743	2504829534	1617
Bet: Sun_Nadir_Mirror_Calibration (pointing)	5	1	Bet_64	64	High Data Rate (1867 kHz)	22-Jun-2002 01:04:01	2504848657	2504849448	1617
Bet: Sun_Nadir_Mirror_Calibration (nominal scanning)	6	1	Bet_66	66	High Data Rate (1867 kHz)	22-Jun-2002 01:04:14	2504851971	2504852762	1617
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 01:04:34	2504857076	2504857603	1617
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 01:05:37	2504873107	2504873634	1617
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 01:06:39	2504889138	2504889665	1617
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 01:07:42	2504905169	2504905696	1617
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:09:05	2504926562	2504927089	1617
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 01:10:08	2504942592	2504943119	1617
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:11:32	2504963984	2504964511	1617
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 01:12:34	2504980015	2504980542	1617
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:13:58	2505001408	2505001935	1617
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 01:15:00	2505017438	2505017965	1617
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:16:24	2505038830	2505039357	1617
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 01:17:27	2505054861	2505055388	1617
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:18:35	2505072413	2505072940	1617
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 01:19:38	2505088444	2505088971	1617
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:20:46	2505105995	2505106522	1617
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 01:21:49	2505122025	2505122552	1617
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:22:57	2505139576	2505140103	1617
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 01:24:00	2505155607	2505156134	1617
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:25:09	2505173159	2505173686	1617
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 01:26:11	2505189190	2505189717	1617
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:27:20	2505206740	2505207267	1617



## 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
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 01:28:22	2505222771	2505223298	1617
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:29:31	2505240322	2505240849	1617
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 01:30:34	2505256353	2505256880	1617
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:31:42	2505272395	2505274432	1617
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 01:32:45	2505289935	2505290462	1617
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:33:53	2505307486	2505308013	1617
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 01:34:56	2505323517	2505324044	1617
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 01:36:05	2505341068	2505341595	1617
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 01:37:07	2505357099	2505357626	1617
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 01:38:16	2505374651	2505375178	1617
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 01:39:18	2505390681	2505391208	1617
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 01:40:27	2505408232	2505408759	1617
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 01:41:30	2505424263	2505424790	1617
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 01:42:38	2505441814	2505442341	1617
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 01:43:41	2505457845	2505458372	1617
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 01:44:49	2505475397	2505475924	1617
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 01:45:52	2505491427	2505491954	1617
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 01:47:00	2505508978	2505509505	1617
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 01:48:03	2505525009	2505525536	1617
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 01:49:12	2505542561	2505543088	1617
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 01:50:14	2505558591	2505559118	1617
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 01:51:38	2505579983	2505580510	1617
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 01:52:40	2505596014	2505596541	1617
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 01:54:04	2505617406	2505617933	1617
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 01:55:07	2505633438	2505633965	1617
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 01:56:30	2505654830	2505655357	1617
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 01:57:33	2505670860	2505671387	1617
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 01:58:56	2505692252	2505692779	1617
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 02:00:20	2505713644	2505714171	1617
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 02:01:43	2505735036	2505735563	1617
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 02:03:07	2505756429	2505756956	1617
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 02:04:31	2505777820	2505778347	1617
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 02:05:54	2505799213	2505799740	1617
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 02:07:18	2505820605	2505821132	1617
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 02:08:41	2505841996	2505842523	1617
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 02:12:56	2505907261	2505908404	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:13:42	2505919079	2505919606	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:14:26	2505930358	2505930885	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:15:11	2505941637	2505942164	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:15:55	2505952916	2505953443	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:16:39	2505964196	2505964723	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:17:23	2505975475	2505976002	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:18:07	2505986753	2505987280	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:18:51	2505998033	2505998560	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:19:35	2506009311	2506009838	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:20:19	2506020591	2506021118	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:21:03	2506031870	2506032397	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:21:47	2506043149	2506043676	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:22:31	2506054428	2506054955	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:23:15	2506065706	2506066233	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:23:59	2506076986	2506077513	1617
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 02:24:43	2506088264	2506088791	1617
Bet: ASM: Sun Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	22-Jun-2002 02:45:10	2506402325	2506403543	1618
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 02:45:53	2506413390	2506413917	1618
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 02:46:56	2506429422	2506429949	1618
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 02:47:59	2506445452	2506445979	1618
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 02:49:01	2506461483	2506462010	1618
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 02:50:25	2506482875	2506483402	1618
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 02:51:27	2506498906	2506499433	1618
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 02:52:51	2506520299	2506520826	1618
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 02:53:54	2506536329	2506536856	1618
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 02:55:17	2506557721	2506558248	1618
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 02:56:20	2506573752	2506574279	1618
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 02:57:43	2506595144	2506595671	1618

## 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
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 02:58:46	2506611176	2506611703	1618
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 02:59:54	2506628726	2506629253	1618
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 03:00:57	2506644757	2506645284	1618
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 03:02:06	2506662309	2506662836	1618
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 03:03:08	2506678339	2506678866	1618
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 03:04:17	2506695890	2506696417	1618
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 03:05:19	2506711921	2506712448	1618
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 03:06:28	2506729473	2506730000	1618
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 03:07:31	2506745504	2506746031	1618
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 03:08:39	2506763054	2506763581	1618
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 03:09:42	2506779085	2506779612	1618
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 03:10:50	2506796636	2506797163	1618
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 03:11:53	2506812667	2506813194	1618
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 03:13:02	2506830218	2506830745	1618
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 03:14:04	2506846249	2506846776	1618
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 03:15:13	2506863801	2506864328	1618
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 03:16:15	2506879832	2506880359	1618
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 03:17:24	2506897383	2506897910	1618
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 03:18:27	2506913413	2506913940	1618
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 03:19:35	2506930964	2506931491	1618
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 03:20:38	2506946996	2506947523	1618
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 03:21:46	2506964546	2506965073	1618
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 03:22:49	2506980578	2506981105	1618
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 03:23:57	2506998128	2506998655	1618
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 03:25:00	2507014159	2507014686	1618
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 03:26:09	2507031711	2507032238	1618
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 03:27:11	2507047741	2507048268	1618
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 03:28:20	2507065293	2507065820	1618
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 03:29:22	2507081323	2507081850	1618
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 03:30:31	2507098875	2507099402	1618
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 03:31:34	2507114906	2507115433	1618
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 03:32:57	2507136298	2507136825	1618
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 03:34:00	2507152329	2507152856	1618
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 03:35:23	2507173720	2507174247	1618
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 03:36:26	2507189751	2507190278	1618
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 03:37:50	2507211143	2507211670	1618
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 03:38:52	2507227174	2507227701	1618
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 03:40:16	2507248567	2507249094	1618
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 03:41:39	2507269959	2507270486	1618
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 03:43:03	2507291350	2507291877	1618
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 03:44:26	2507312743	2507313270	1618
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 03:45:50	2507334134	2507334661	1618
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 03:47:14	2507355526	2507356053	1618
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 03:48:37	2507376919	2507377446	1618
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 03:50:01	2507398310	2507398837	1618
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 03:53:32	2507452479	2507453622	1618
Bet: Weekly Calibration _Eclipse	56	1	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 03:54:18	2507464296	2507464823	1618
Bet: Weekly Calibration _Eclipse	56	2	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 03:54:27	2507466487	2507467014	1618
Bet: Weekly Calibration _Eclipse	56	3	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 03:55:01	2507475078	2507475605	1618
Bet: Weekly Calibration _Eclipse	56	4	Bet_59	59	Low Data Rate (400 kHz)	22-Jun-2002 03:58:24	2507527192	2507528466	1618
Bet: Weekly Calibration _Eclipse	56	5	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 03:58:46	2507532716	2507533243	1618
Bet: Weekly Calibration _Eclipse	56	6	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 03:58:54	2507534906	2507535433	1618
Bet: Weekly Calibration _Eclipse	56	7	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 03:59:28	2507543496	2507544023	1618
Bet: Weekly Calibration _Eclipse	56	8	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 04:02:51	2507595609	2507596136	1618
Bet: Weekly Calibration _Eclipse	56	9	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 04:03:00	2507597800	2507598327	1618
Bet: Weekly Calibration _Eclipse	56	10	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 04:03:33	2507606391	2507606918	1618
Bet: Weekly Calibration _Eclipse	56	11	Bet_61	61	Low Data Rate (400 kHz)	22-Jun-2002 04:06:57	2507658504	2507659910	1618
Bet: Weekly Calibration _Eclipse	56	12	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 04:07:20	2507664481	2507665008	1618
Bet: Weekly Calibration _Eclipse	56	13	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 04:07:29	2507666672	2507667199	1618
Bet: Weekly Calibration _Eclipse	56	14	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 04:08:02	2507675263	2507675790	1618
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 04:19:45	2507855012	2507855539	1619
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 04:20:47	2507871041	2507871568	1619

## 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
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 04:21:50	2507887072	2507887599	1619
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 04:22:52	2507903103	2507903630	1619
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	22-Jun-2002 04:23:55	2507919134	2507919925	1619
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 04:26:14	2507954703	2507955230	1619
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 04:27:17	2507970735	2507971262	1619
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 04:28:19	2507986766	2507987293	1619
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 04:29:22	2508002796	2508003323	1619
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 04:30:25	2508018827	2508019354	1619
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:31:33	2508036380	2508036907	1619
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 04:32:36	2508052409	2508052936	1619
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:33:44	2508069960	2508070487	1619
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 04:34:47	2508085991	2508086518	1619
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:35:55	2508103543	2508104070	1619
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 04:36:58	2508119573	2508120100	1619
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:38:07	2508137125	2508137652	1619
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 04:39:09	2508153156	2508153683	1619
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:40:18	2508170706	2508171233	1619
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 04:41:20	2508186738	2508187265	1619
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:42:29	2508204288	2508204815	1619
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 04:43:32	2508220320	2508220847	1619
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:44:40	2508237871	2508238398	1619
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 04:45:43	2508253901	2508254428	1619
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:46:51	2508271452	2508271979	1619
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 04:47:54	2508287483	2508288010	1619
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:49:03	2508305035	2508305562	1619
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 04:50:05	2508321065	2508321592	1619
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:51:14	2508338616	2508339143	1619
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 04:52:16	2508354647	2508355174	1619
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:53:25	2508372198	2508372725	1619
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 04:54:28	2508388229	2508388756	1619
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:55:36	2508405781	2508406308	1619
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 04:56:39	2508421811	2508422338	1619
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 04:57:47	2508439362	2508439889	1619
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 04:58:50	2508455393	2508455920	1619
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 04:59:58	2508472945	2508473472	1619
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 05:01:01	2508488975	2508489502	1619
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 05:02:10	2508506527	2508507054	1619
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 05:03:12	2508522557	2508523084	1619
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 05:04:21	2508540108	2508540635	1619
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 05:05:23	2508556140	2508556667	1619
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 05:06:32	2508573691	2508574218	1619
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 05:07:35	2508589722	2508590249	1619
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 05:08:43	2508607273	2508607800	1619
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 05:09:46	2508623303	2508623830	1619
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 05:10:54	2508640854	2508641381	1619
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 05:11:57	2508656886	2508657413	1619
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 05:13:21	2508678277	2508678804	1619
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 05:14:23	2508694308	2508694835	1619
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 05:15:47	2508715700	2508716227	1619
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 05:16:49	2508731731	2508732258	1619
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 05:18:13	2508753124	2508753651	1619
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 05:19:36	2508774515	2508775042	1619
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 05:21:00	2508795908	2508796435	1619
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 05:22:24	2508817300	2508817827	1619
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 05:23:47	2508838691	2508839218	1619
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 05:25:11	2508860003	2508860610	1619
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 05:26:34	2508881475	2508882002	1619
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 05:27:58	2508902867	2508903394	1619
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 05:29:21	2508924260	2508924787	1619
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 05:34:08	2508997701	2508998844	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:34:54	2509009518	2509010045	1619

## 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
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:35:38	2509020797	2509021324	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:36:23	2509032076	2509032603	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:37:07	2509043356	2509043883	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:37:51	2509054634	2509055161	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:38:35	2509065913	2509066440	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:39:19	2509077192	2509077719	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:40:03	2509088472	2509088999	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:40:47	2509099750	2509100277	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:41:31	2509111029	2509111556	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:42:15	2509122308	2509122835	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:42:59	2509133587	2509134114	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:43:43	2509144866	2509145393	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:44:27	2509156146	2509156673	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:45:11	2509167425	2509167952	1619
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 05:45:55	2509178703	2509179230	1619
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 06:00:21	2509400226	2509400753	1620
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 06:01:23	2509416257	2509416784	1620
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 06:02:26	2509432287	2509432814	1620
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 06:03:28	2509448318	2509448845	1620
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	22-Jun-2002 06:04:31	2509464350	2509465141	1620
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 06:06:50	2509499917	2509500444	1620
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 06:07:53	2509515949	2509516476	1620
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 06:08:55	2509531979	2509532506	1620
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 06:09:58	2509548010	2509548537	1620
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:11:21	2509569403	2509569930	1620
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 06:12:24	2509585433	2509585960	1620
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:13:48	2509606825	2509607352	1620
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 06:14:50	2509622857	2509623384	1620
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:16:14	2509644248	2509644775	1620
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 06:17:16	2509660280	2509660807	1620
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:18:40	2509681671	2509682198	1620
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 06:19:43	2509697702	2509698229	1620
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:20:51	2509715254	2509715781	1620
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 06:21:54	2509731284	2509731811	1620
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:23:02	2509748835	2509749362	1620
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 06:24:05	2509764866	2509765393	1620
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:25:14	2509782418	2509782945	1620
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 06:26:16	2509798449	2509798976	1620
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:27:25	2509815999	2509816526	1620
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 06:28:27	2509832030	2509832557	1620
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:29:36	2509849581	2509850108	1620
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 06:30:39	2509865613	2509866140	1620
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:31:47	2509883164	2509883691	1620
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 06:32:50	2509899194	2509899721	1620
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:33:58	2509916745	2509917272	1620
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 06:35:01	2509932776	2509933303	1620
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:36:09	2509950328	2509950855	1620
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 06:37:12	2509966359	2509966886	1620
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 06:38:21	2509983909	2509984436	1620
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 06:39:23	2509999940	2510000467	1620
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 06:40:32	2510017491	2510018018	1620
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 06:41:34	2510033522	2510034049	1620
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 06:42:43	2510051073	2510051600	1620
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 06:43:46	2510067104	2510067631	1620
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 06:44:54	2510084655	2510085182	1620
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 06:45:57	2510100686	2510101213	1620
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 06:47:05	2510118238	2510118765	1620
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 06:48:08	2510134268	2510134795	1620
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 06:49:17	2510151820	2510152347	1620

## 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
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 06:50:19	2510167850	2510168377	1620
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 06:51:28	2510185401	2510185928	1620
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 06:52:30	2510201433	2510201960	1620
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 06:53:54	2510222824	2510223351	1620
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 06:54:57	2510238856	2510239383	1620
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 06:56:20	2510260247	2510260774	1620
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 06:57:23	2510276278	2510276805	1620
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 06:58:46	2510297670	2510298197	1620
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 06:59:49	2510313701	2510314228	1620
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 07:01:12	2510335093	2510335620	1620
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 07:02:36	2510356486	2510357013	1620
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 07:04:00	2510377878	2510378405	1620
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 07:05:23	2510399269	2510399796	1620
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 07:06:47	2510420661	2510421188	1620
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 07:08:10	2510442053	2510442580	1620
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 07:09:34	2510463445	2510463972	1620
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 07:10:57	2510484837	2510485364	1620
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 07:14:44	2510542911	2510544054	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:15:30	2510554727	2510555254	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:16:14	2510566006	2510566533	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:16:59	2510577286	2510577813	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:17:43	2510588565	2510589092	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:18:27	2510599843	2510600370	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:19:11	2510611122	2510611649	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:19:55	2510622402	2510622929	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:20:39	2510633681	2510634208	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:21:23	2510644960	2510645487	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:22:07	2510656239	2510656766	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:22:51	2510667517	2510668044	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:23:35	2510678796	2510679323	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:24:19	2510690075	2510690602	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:25:03	2510701354	2510701881	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:25:47	2510712633	2510713160	1620
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 07:26:31	2510723912	2510724439	1620
Bet: MO&C (pointing, long duration)	10	1	Bet_57	57	Low Data Rate (400 kHz)	22-Jun-2002 08:40:26	2511859214	2511859741	1621
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 08:55:20	2512088100	2512089243	1621
1. SF Alignment Moon OBJ 32	18	1	M_SF_1	9	Low Data Rate (400 kHz)	22-Jun-2002 10:21:21	2513409336	2513409863	1622
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 10:35:56	2513633284	2513634427	1622
2. SF Alignment Moon OBJ 32	19	1	M_SF_2	10	Low Data Rate (400 kHz)	22-Jun-2002 12:01:51	2514952952	2514953479	1623
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 12:16:32	2515178458	2515179601	1623
3. SF Alignment Moon OBJ 32	20	1	M_SF_3	11	Low Data Rate (400 kHz)	22-Jun-2002 13:42:21	2516496542	2516497069	1624
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 13:57:08	2516723634	2516724777	1624
4. SF Alignment Moon OBJ 32	21	1	M_SF_4	12	Low Data Rate (400 kHz)	22-Jun-2002 15:22:50	2518040155	2518040682	1625
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 15:37:44	2518268846	2518269989	1625
5. SF Alignment Moon OBJ 32	22	1	M_SF_5	13	Low Data Rate (400 kHz)	22-Jun-2002 17:03:20	2519583778	2519584305	1626
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 17:18:20	2519814076	2519815219	1626
Bet: Monthly_Special_Calibration_Orbit_1	59	2	Bet_05	5					1627
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 17:44:32	2520216534	2520217061	1627
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 17:45:34	2520232565	2520233092	1627
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 17:46:37	2520248597	2520249124	1627
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 17:47:40	2520264628	2520265155	1627
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	22-Jun-2002 17:48:42	2520280659	2520281450	1627
Bet: Sun Calibration (fast sweep scanning)	3	1	Bet_50	50	High Data Rate (1867 kHz)	22-Jun-2002 17:50:00	2520300575	2520301366	1627
Bet: ES: Sun Diffuser (ND in)	8	1	Bet_62	62	High Data Rate (1867 kHz)	22-Jun-2002 17:50:33	2520308934	2520310284	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	1	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 17:52:20	2520336380	2520336907	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	2	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 17:53:23	2520352411	2520352938	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	3	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 17:54:25	2520368443	2520368970	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	4	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 17:55:28	2520384473	2520385000	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	5	Bet_59	59	Low Data Rate (400 kHz)	22-Jun-2002 17:56:30	2520400505	2520401779	1627

## 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
Bet: Monthly_Special_Calibration_Orbit_1	57	6	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 17:56:52	2520406027	2520406554	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	7	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 17:58:01	2520423578	2520424105	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	8	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 17:59:03	2520439609	2520440136	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	9	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 18:00:12	2520457160	2520457687	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	10	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 18:01:14	2520473191	2520473718	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	11	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 18:02:23	2520490742	2520491269	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	12	Bet_59	59	Low Data Rate (400 kHz)	22-Jun-2002 18:03:26	2520506773	2520508047	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	13	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 18:03:47	2520512297	2520512824	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	14	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 18:04:56	2520529848	2520530375	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	15	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 18:05:58	2520545879	2520546406	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	16	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 18:07:07	2520563430	2520563957	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	17	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 18:08:10	2520579460	2520579987	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	18	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 18:09:18	2520597012	2520597539	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	19	Bet_59	59	Low Data Rate (400 kHz)	22-Jun-2002 18:10:21	2520613043	2520614317	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	20	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 18:10:42	2520618565	2520619092	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	21	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 18:11:51	2520636116	2520636643	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	22	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 18:12:53	2520652148	2520652675	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	23	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 18:14:02	2520669698	2520670225	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	24	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 18:15:05	2520685729	2520686256	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	25	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 18:16:13	2520703280	2520703807	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	26	Bet_59	59	Low Data Rate (400 kHz)	22-Jun-2002 18:17:16	2520719311	2520720585	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	27	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 18:17:37	2520724835	2520725362	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	28	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 18:18:46	2520742386	2520742913	1627
Bet: Monthly_Special_Calibration_Orbit_1	57	29	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 18:19:49	2520758416	2520758943	1627
Bet: Monthly_Special_Calibration_Orbit_1	58	1	Bet_60	60	Low Data Rate (400 kHz)	22-Jun-2002 18:22:05	2520793239	2520794277	1627
Bet: Monthly_Special_Calibration_Orbit_1	58	2	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 18:22:33	2520800526	2520801053	1627
Bet: Monthly_Special_Calibration_Orbit_1	58	3	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 18:23:36	2520816557	2520817084	1627
Bet: Monthly_Special_Calibration_Orbit_1	58	4	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 18:24:44	2520834108	2520834635	1627
Bet: Monthly_Special_Calibration_Orbit_1	58	5	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 18:25:47	2520850139	2520850666	1627
Bet: Monthly_Special_Calibration_Orbit_1	58	6	Bet_59	59	Low Data Rate (400 kHz)	22-Jun-2002 18:26:55	2520867690	2520868964	1627
Bet: Monthly_Special_Calibration_Orbit_1	58	7	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 18:27:17	2520873212	2520873739	1627
Bet: Monthly_Special_Calibration_Orbit_1	58	8	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 18:28:20	2520889243	2520889770	1627
Bet: Monthly_Special_Calibration_Orbit_1	58	9	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 18:29:28	2520906794	2520907321	1627
Bet: Mo&C (pointing)	9	1	Bet_56	56	Low Data Rate (400 kHz)	22-Jun-2002 18:43:25	2521120932	2521121459	1627
Bet: Moon_Calibration (nominal scanning)	11	1	Bet_54	54	Low Data Rate (400 kHz)	22-Jun-2002 18:44:22	2521135616	2521136143	1627
Bet: Monthly_Special_Calibration_Orbit_1	59	1	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 18:44:42	2521140619	2521141146	1627
Bet: Monthly_Special_Calibration_Orbit_1	59	3	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 18:46:27	2521167534	2521168061	1627
Bet: Monthly_Special_Calibration_Orbit_1	59	4	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 18:47:50	2521188927	2521189454	1627
Bet: Monthly_Special_Calibration_Orbit_1	59	5	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 18:49:14	2521210318	2521210845	1627
Bet: Monthly_Special_Calibration_Orbit_1	59	6	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 18:50:37	2521231710	2521232237	1627
Bet: Monthly_Special_Calibration_Orbit_1	59	7	Bet_61	61	Low Data Rate (400 kHz)	22-Jun-2002 18:52:01	2521253103	2521254509	1627
Bet: Monthly_Special_Calibration_Orbit_1	59	8	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 18:52:24	2521259081	2521259608	1627
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 18:58:56	2521359284	2521360427	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	1	Bet_59	59	Low Data Rate (400 kHz)	22-Jun-2002 18:59:42	2521371103	2521372377	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	2	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 19:00:03	2521376625	2521377152	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	3	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 19:00:37	2521385216	2521385743	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	4	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 19:04:01	2521437329	2521437856	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	5	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 19:04:09	2521439520	2521440047	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	6	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 19:04:43	2521448111	2521448638	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	7	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 19:08:06	2521500226	2521500753	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	8	Bet_59	59	Low Data Rate (400 kHz)	22-Jun-2002 19:08:15	2521502416	2521503690	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	9	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 19:08:36	2521507938	2521508465	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	10	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 19:09:10	2521516529	2521517056	1627

## 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
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	11	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 19:12:33	2521568642	2521569169	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	12	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 19:12:42	2521570833	2521571360	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	13	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 19:13:16	2521579424	2521579951	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	14	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 19:16:39	2521631538	2521632065	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	15	Bet_59	59	Low Data Rate (400 kHz)	22-Jun-2002 19:16:48	2521633728	2521635002	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	16	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 19:17:09	2521639252	2521639779	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	17	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 19:17:43	2521647842	2521648369	1627
Ecl_beg_ecl_end_cal_monthly_spec_orb2	36	18	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 19:21:06	2521699955	2521700482	1627
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 19:25:08	2521761741	2521762268	1628
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 19:26:10	2521777772	2521778299	1628
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 19:27:13	2521793803	2521794330	1628
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 19:28:16	2521809834	2521810361	1628
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	22-Jun-2002 19:29:18	2521825865	2521826656	1628
Bet: Sun Calibration (fast sweep scanning)	3	1	Bet_50	50	High Data Rate (1867 kHz)	22-Jun-2002 19:30:36	2521845784	2521846575	1628
Bet: ES: Sun Diffuser (ND in)	8	1	Bet_62	62	High Data Rate (1867 kHz)	22-Jun-2002 19:31:09	2521854134	2521855484	1628
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 19:32:33	2521875828	2521876355	1628
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 19:33:36	2521891860	2521892387	1628
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 19:34:39	2521907890	2521908417	1628
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 19:35:41	2521923922	2521924449	1628
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 19:36:44	2521939952	2521940479	1628
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:37:52	2521957503	2521958030	1628
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 19:38:55	2521973535	2521974062	1628
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:40:04	2521991086	2521991613	1628
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 19:41:06	2522007117	2522007644	1628
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:42:15	2522024668	2522025195	1628
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 19:43:17	2522040699	2522041226	1628
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:44:26	2522058250	2522058777	1628
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 19:45:29	2522074281	2522074808	1628
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:46:37	2522091831	2522092358	1628
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 19:47:40	2522107862	2522108389	1628
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:48:48	2522125413	2522125940	1628
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 19:49:51	2522141445	2522141972	1628
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:51:00	2522158995	2522159522	1628
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 19:52:02	2522175026	2522175553	1628
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:53:11	2522192577	2522193104	1628
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 19:54:13	2522208608	2522209135	1628
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:55:22	2522226159	2522226686	1628
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 19:56:25	2522242190	2522242717	1628
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:57:33	2522259742	2522260269	1628
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 19:58:36	2522275772	2522276299	1628
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 19:59:44	2522293324	2522293851	1628
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 20:00:47	2522309354	2522309881	1628
Bet: Limb/Nadir Sequence 1	51	1	Bet_60	60	Low Data Rate (400 kHz)	22-Jun-2002 20:02:40	2522338425	2522339463	1628
Bet: Limb/Nadir Sequence 1	51	2	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 20:03:09	2522345711	2522346238	1628
Bet: Limb/Nadir Sequence 1	51	3	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 20:04:12	2522361742	2522362269	1628
Bet: Limb/Nadir Sequence 1	51	4	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 20:05:20	2522379294	2522379821	1628
Bet: Limb/Nadir Sequence 1	51	5	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 20:06:23	2522395324	2522395851	1628
Bet: Limb/Nadir Sequence 1	51	6	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 20:07:31	2522412876	2522413403	1628
Bet: Limb/Nadir Sequence 1	51	7	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 20:08:34	2522428906	2522429433	1628
Bet: Limb/Nadir Sequence 1	51	8	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 20:09:42	2522446458	2522446985	1628
Bet: Limb/Nadir Sequence 1	51	9	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 20:10:45	2522462489	2522463016	1628

## 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
Bet: Limb/Nadir Sequence 1	51	10	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 20:11:54	2522480039	2522480566	1628
Bet: Limb/Nadir Sequence 1	51	11	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 20:12:56	2522496071	2522496598	1628
Bet: Limb/Nadir Sequence 1	51	12	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 20:14:05	2522513621	2522514148	1628
Bet: Limb/Nadir Sequence 1	51	13	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 20:15:07	2522529652	2522530179	1628
Bet: Limb/Nadir Sequence 1	51	14	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 20:16:16	2522547204	2522547731	1628
Bet: Limb/Nadir Sequence 1	51	15	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 20:17:19	2522563234	2522563761	1628
Bet: Limb/Nadir Sequence 1	51	16	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 20:18:42	2522584626	2522585153	1628
Bet: Limb/Nadir Sequence 1	51	17	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 20:19:45	2522600657	2522601184	1628
Bet: Limb/Nadir Sequence 1	51	18	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 20:21:08	2522622049	2522622576	1628
Bet: Limb/Nadir Sequence 1	51	19	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:22:11	2522638080	2522638607	1628
Bet: Limb/Nadir Sequence 1	51	20	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:23:35	2522659472	2522659999	1628
Bet: Limb/Nadir Sequence 1	51	21	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:24:58	2522680864	2522681391	1628
Bet: Limb/Nadir Sequence 1	51	22	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:26:22	2522702256	2522702783	1628
Bet: Limb/Nadir Sequence 1	51	23	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:27:45	2522723649	2522724176	1628
Bet: Limb/Nadir Sequence 1	51	24	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:29:09	2522745040	2522745567	1628
Bet: Limb/Nadir Sequence 1	51	25	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:30:32	2522766432	2522766959	1628
Bet: Limb/Nadir Sequence 1	51	26	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:31:56	2522787825	2522788352	1628
Bet: Limb/Nadir Sequence 1	51	27	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:33:19	2522809216	2522809743	1628
Bet: Limb/Nadir Sequence 1	51	28	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:34:43	2522830608	2522831135	1628
Bet: Limb/Nadir Sequence 1	51	29	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 20:36:07	2522852000	2522852527	1628
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 20:39:32	2522904469	2522905612	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:40:18	2522916287	2522916814	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:41:02	2522927566	2522928093	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:41:46	2522938846	2522939373	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:42:30	2522950125	2522950652	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:43:14	2522961403	2522961930	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:43:58	2522972682	2522973209	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:44:42	2522983961	2522984488	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:45:26	2522995241	2522995768	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:46:10	2523006520	2523007047	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:46:54	2523017799	2523018326	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:47:38	2523029078	2523029605	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:48:22	2523040356	2523040883	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:49:06	2523051635	2523052162	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:49:50	2523062914	2523063441	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:50:35	2523074194	2523074721	1628
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	22-Jun-2002 20:51:19	2523085472	2523085999	1628
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 21:05:44	2523306930	2523307457	1629
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 21:06:46	2523322960	2523323487	1629
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 21:07:49	2523338992	2523339519	1629
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 21:08:52	2523355023	2523355550	1629
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	22-Jun-2002 21:09:54	2523371053	2523371844	1629
Bet: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Bet_68	68	High Data Rate (1867 kHz)	22-Jun-2002 21:11:12	2523390971	2523391762	1629
Bet: ESM: Sun_Diffuser (ND in)	8	1	Bet_62	62	High Data Rate (1867 kHz)	22-Jun-2002 21:11:45	2523399321	2523400671	1629
Bet: Limb/Nadir Sequence 2	52	1	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 21:13:41	2523429024	2523429551	1629
Bet: Limb/Nadir Sequence 2	52	2	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 21:14:43	2523445056	2523445583	1629
Bet: Limb/Nadir Sequence 2	52	3	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 21:15:46	2523461086	2523461613	1629
Bet: Limb/Nadir Sequence 2	52	4	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 21:16:48	2523477118	2523477645	1629
Bet: Limb/Nadir Sequence 2	52	5	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:17:57	2523494669	2523495196	1629
Bet: Limb/Nadir Sequence 2	52	6	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 21:19:00	2523510700	2523511227	1629
Bet: Limb/Nadir Sequence 2	52	7	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:20:08	2523528251	2523528778	1629
Bet: Limb/Nadir Sequence 2	52	8	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 21:21:11	2523544282	2523544809	1629
Bet: Limb/Nadir Sequence 2	52	9	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:22:19	2523561832	2523562359	1629
Bet: Limb/Nadir Sequence 2	52	10	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 21:23:22	2523577863	2523578390	1629
Bet: Limb/Nadir Sequence 2	52	11	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:24:31	2523595415	2523595942	1629
Bet: Limb/Nadir Sequence 2	52	12	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 21:25:33	2523611445	2523611972	1629
Bet: Limb/Nadir Sequence 2	52	13	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:26:42	2523628996	2523629523	1629
Bet: Limb/Nadir Sequence 2	52	14	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 21:27:44	2523645027	2523645554	1629



## 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
Bet: Limb/Nadir Sequence 2	52	15	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:28:53	2523662578	2523663105	1629
Bet: Limb/Nadir Sequence 2	52	16	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 21:29:56	2523678610	2523679137	1629
Bet: Limb/Nadir Sequence 2	52	17	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:31:04	2523696160	2523696687	1629
Bet: Limb/Nadir Sequence 2	52	18	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 21:32:07	2523712191	2523712718	1629
Bet: Limb/Nadir Sequence 2	52	19	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:33:15	2523729743	2523730270	1629
Bet: Limb/Nadir Sequence 2	52	20	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 21:34:18	2523745773	2523746300	1629
Bet: Limb/Nadir Sequence 2	52	21	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:35:26	2523763325	2523763852	1629
Bet: Limb/Nadir Sequence 2	52	22	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 21:36:29	2523779356	2523779883	1629
Bet: Limb/Nadir Sequence 2	52	23	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:37:38	2523796907	2523797434	1629
Bet: Limb/Nadir Sequence 2	52	24	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 21:38:40	2523812938	2523813465	1629
Bet: Limb/Nadir Sequence 2	52	25	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:39:49	2523830488	2523831015	1629
Bet: Limb/Nadir Sequence 2	52	26	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 21:40:51	2523846520	2523847047	1629
Bet: Limb/Nadir Sequence 2	54	1	Bet_60	60	Low Data Rate (400 kHz)	22-Jun-2002 21:43:16	2523883599	2523884637	1629
Bet: Limb/Nadir Sequence 2	54	2	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 21:43:45	2523890885	2523891412	1629
Bet: Limb/Nadir Sequence 2	54	3	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 21:44:53	2523908436	2523908963	1629
Bet: Limb/Nadir Sequence 2	54	4	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 21:45:56	2523924467	2523924994	1629
Bet: Limb/Nadir Sequence 2	54	5	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 21:47:04	2523942018	2523942545	1629
Bet: Limb/Nadir Sequence 2	54	6	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 21:48:07	2523958049	2523958576	1629
Bet: Limb/Nadir Sequence 2	54	7	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 21:49:16	2523975600	2523976127	1629
Bet: Limb/Nadir Sequence 2	54	8	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 21:50:18	2523991631	2523992158	1629
Bet: Limb/Nadir Sequence 2	54	9	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 21:51:27	2524009182	2524009709	1629
Bet: Limb/Nadir Sequence 2	54	10	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 21:52:29	2524025213	2524025740	1629
Bet: Limb/Nadir Sequence 2	54	11	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 21:53:38	2524042764	2524043291	1629
Bet: Limb/Nadir Sequence 2	54	12	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 21:54:41	2524058795	2524059322	1629
Bet: Limb/Nadir Sequence 2	54	13	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 21:55:49	2524076347	2524076874	1629
Bet: Limb/Nadir Sequence 2	54	14	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 21:56:52	2524092377	2524092904	1629
Bet: Limb/Nadir Sequence 2	54	15	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 21:58:15	2524113769	2524114296	1629
Bet: Limb/Nadir Sequence 2	54	16	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 21:59:18	2524129800	2524130327	1629
Bet: Limb/Nadir Sequence 2	54	17	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 22:00:42	2524151193	2524151720	1629
Bet: Limb/Nadir Sequence 2	54	18	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:01:44	2524167224	2524167751	1629
Bet: Limb/Nadir Sequence 2	54	19	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 22:03:08	2524188615	2524189142	1629
Bet: Limb/Nadir Sequence 2	54	20	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:04:10	2524204646	2524205173	1629
Bet: Limb/Nadir Sequence 2	54	21	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:05:34	2524226038	2524226565	1629
Bet: Limb/Nadir Sequence 2	54	22	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:06:58	2524247431	2524247958	1629
Bet: Limb/Nadir Sequence 2	54	23	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:08:21	2524268822	2524269349	1629
Bet: Limb/Nadir Sequence 2	54	24	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:09:45	2524290214	2524290741	1629
Bet: Limb/Nadir Sequence 2	54	25	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:11:08	2524311607	2524312134	1629
Bet: Limb/Nadir Sequence 2	54	26	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:12:32	2524332998	2524333525	1629
Bet: Limb/Nadir Sequence 2	54	27	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:13:55	2524354391	2524354918	1629
Bet: Limb/Nadir Sequence 2	54	28	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:15:19	2524375782	2524376309	1629
Bet: Limb/Nadir Sequence 2	54	29	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 22:16:42	2524397175	2524397702	1629
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	22-Jun-2002 22:20:07	2524449642	2524450785	1629
Bet: Weekly_Calibration_Eclipse	56	1	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 22:20:54	2524461459	2524461986	1629
Bet: Weekly_Calibration_Eclipse	56	2	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 22:21:02	2524463650	2524464177	1629
Bet: Weekly_Calibration_Eclipse	56	3	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 22:21:36	2524472241	2524472768	1629
Bet: Weekly_Calibration_Eclipse	56	4	Bet_59	59	Low Data Rate (400 kHz)	22-Jun-2002 22:24:59	2524524355	2524525629	1629
Bet: Weekly_Calibration_Eclipse	56	5	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 22:25:21	2524529877	2524530404	1629
Bet: Weekly_Calibration_Eclipse	56	6	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 22:25:29	2524532068	2524532595	1629
Bet: Weekly_Calibration_Eclipse	56	7	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 22:26:03	2524540659	2524541186	1629
Bet: Weekly_Calibration_Eclipse	56	8	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 22:29:27	2524592772	2524593299	1629
Bet: Weekly_Calibration_Eclipse	56	9	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 22:29:35	2524594963	2524595490	1629
Bet: Weekly_Calibration_Eclipse	56	10	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 22:30:09	2524603554	2524604081	1629
Bet: Weekly_Calibration_Eclipse	56	11	Bet_61	61	Low Data Rate (400 kHz)	22-Jun-2002 22:33:32	2524655668	2524657074	1629
Bet: Weekly_Calibration_Eclipse	56	12	Bet_46	46	Low Data Rate (400 kHz)	22-Jun-2002 22:33:56	2524661644	2524662171	1629
Bet: Weekly_Calibration_Eclipse	56	13	Bet_63	63	Low Data Rate (400 kHz)	22-Jun-2002 22:34:04	2524663835	2524664362	1629
Bet: Weekly_Calibration_Eclipse	56	14	Bet_67	67	Low Data Rate (400 kHz)	22-Jun-2002 22:34:38	2524672426	2524672953	1629
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 22:46:20	2524852101	2524852628	1630
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 22:47:22	2524868132	2524868659	1630
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 22:48:25	2524884163	2524884690	1630
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	22-Jun-2002 22:49:27	2524900195	2524900722	1630

## 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
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	22-Jun-2002 22:50:30	2524916225	2524917016	1630
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 22:52:49	2524951794	2524952321	1630
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 22:53:52	2524967825	2524968352	1630
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 22:54:54	2524983857	2524984384	1630
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 22:55:57	2524999887	2525000414	1630
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 22:56:59	2525015918	2525016445	1630
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 22:58:08	2525033469	2525033996	1630
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 22:59:11	2525049500	2525050027	1630
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:00:19	2525067052	2525067579	1630
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 23:01:22	2525083082	2525083609	1630
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:02:30	2525100634	2525101161	1630
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 23:03:33	2525116664	2525117191	1630
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:04:42	2525134215	2525134742	1630
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 23:05:44	2525150247	2525150774	1630
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:06:53	2525167798	2525168325	1630
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 23:07:55	2525183829	2525184356	1630
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:09:04	2525201379	2525201906	1630
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 23:10:06	2525217411	2525217938	1630
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:11:15	2525234961	2525235488	1630
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 23:12:18	2525250992	2525251519	1630
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:13:26	2525268545	2525269072	1630
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 23:14:29	2525284574	2525285101	1630
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:15:37	2525302125	2525302652	1630
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 23:16:40	2525318156	2525318683	1630
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:17:49	2525335707	2525336234	1630
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 23:18:51	2525351740	2525352267	1630
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:20:00	2525369290	2525369817	1630
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	22-Jun-2002 23:21:02	2525385320	2525385847	1630
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:22:11	2525402872	2525403399	1630
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 23:23:14	2525418902	2525419429	1630
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	22-Jun-2002 23:24:22	2525436454	2525436981	1630
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 23:25:25	2525452484	2525453011	1630
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 23:26:33	2525470035	2525470562	1630
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	22-Jun-2002 23:27:36	2525486066	2525486593	1630
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 23:28:44	2525503617	2525504144	1630
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 23:29:47	2525519648	2525520175	1630
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	22-Jun-2002 23:30:56	2525537200	2525537727	1630
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	22-Jun-2002 23:31:58	2525553231	2525553758	1630
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	22-Jun-2002 23:33:07	2525570782	2525571309	1630
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 23:34:09	2525586813	2525587340	1630
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 23:35:18	2525604364	2525604891	1630
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	22-Jun-2002 23:36:21	2525620394	2525620921	1630
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 23:37:29	2525637947	2525638474	1630
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	22-Jun-2002 23:38:32	2525653976	2525654503	1630
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 23:39:55	2525675368	2525675895	1630
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	22-Jun-2002 23:40:58	2525691399	2525691926	1630
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	22-Jun-2002 23:42:22	2525712791	2525713318	1630
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 23:43:24	2525728824	2525729351	1630
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 23:44:48	2525750214	2525750741	1630
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 23:46:11	2525771606	2525772133	1630
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 23:47:35	2525792998	2525793525	1630
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 23:48:58	2525814390	2525814917	1630
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 23:50:22	2525835783	2525836310	1630
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 23:51:46	2525857175	2525857702	1630
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 23:53:09	2525878569	2525879096	1630
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 23:54:33	2525899958	2525900485	1630
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	22-Jun-2002 23:55:56	2525921350	2525921877	1630
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 00:00:43	2525994816	2525995959	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:01:29	2526006634	2526007161	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:02:13	2526017913	2526018440	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:02:58	2526029192	2526029719	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:03:42	2526040471	2526040998	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:04:26	2526051750	2526052277	1630

## 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
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:05:10	2526063029	2526063556	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:05:54	2526074308	2526074835	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:06:38	2526085587	2526086114	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:07:22	2526096866	2526097393	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:08:06	2526108145	2526108672	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:08:50	2526119424	2526119951	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:09:34	2526130704	2526131231	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:10:18	2526141984	2526142511	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:11:02	2526153262	2526153789	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:11:46	2526164540	2526165067	1630
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 00:12:30	2526175819	2526176346	1630
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 00:26:55	2526397275	2526397802	1631
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 00:27:58	2526413307	2526413834	1631
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 00:29:01	2526429337	2526429864	1631
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 00:30:03	2526445369	2526445896	1631
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	23-Jun-2002 00:31:06	2526461400	2526462191	1631
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 00:33:25	2526496968	2526497495	1631
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 00:34:27	2526513000	2526513527	1631
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 00:35:30	2526529031	2526529558	1631
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 00:36:33	2526545061	2526545588	1631
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 00:37:56	2526566544	2526566981	1631
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 00:38:59	2526582485	2526583012	1631
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 00:40:22	2526603876	2526604403	1631
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 00:41:25	2526619908	2526620435	1631
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 00:42:49	2526641299	2526641826	1631
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 00:43:51	2526657331	2526657858	1631
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 00:45:15	2526678722	2526679249	1631
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 00:46:17	2526694753	2526695280	1631
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 00:47:26	2526712305	2526712832	1631
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 00:48:29	2526728336	2526728863	1631
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 00:49:37	2526745888	2526746415	1631
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 00:50:40	2526761917	2526762444	1631
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 00:51:48	2526779468	2526779995	1631
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 00:52:51	2526795500	2526796027	1631
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 00:53:59	2526813050	2526813577	1631
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 00:55:02	2526829082	2526829609	1631
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 00:56:11	2526846632	2526847159	1631
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 00:57:13	2526862664	2526863191	1631
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 00:58:22	2526880215	2526880742	1631
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 00:59:24	2526896245	2526896772	1631
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 01:00:33	2526913796	2526914323	1631
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 01:01:36	2526929827	2526930354	1631
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 01:02:44	2526947379	2526947906	1631
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 01:03:47	2526963410	2526963937	1631
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 01:04:55	2526980960	2526981487	1631
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 01:05:58	2526996991	2526997518	1631
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 01:07:07	2527014543	2527015070	1631
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 01:08:09	2527030574	2527031101	1631
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 01:09:18	2527048124	2527048651	1631
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 01:10:20	2527064155	2527064682	1631
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 01:11:29	2527081706	2527082233	1631
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 01:12:32	2527097737	2527098264	1631
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 01:13:40	2527115288	2527115815	1631
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 01:14:43	2527131319	2527131846	1631
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 01:15:51	2527148870	2527149397	1631
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 01:16:54	2527164901	2527165428	1631
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 01:18:02	2527182452	2527182979	1631
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 01:19:05	2527198484	2527199011	1631
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 01:20:29	2527219876	2527220403	1631

## 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
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 01:21:31	2527235906	2527236433	1631
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 01:22:55	2527257298	2527257825	1631
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 01:23:57	2527273329	2527273856	1631
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 01:25:21	2527294721	2527295248	1631
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 01:26:24	2527310753	2527311280	1631
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 01:27:47	2527332145	2527332672	1631
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 01:29:11	2527353537	2527354064	1631
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 01:30:34	2527374929	2527375456	1631
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 01:31:58	2527396320	2527396847	1631
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 01:33:21	2527417713	2527418240	1631
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 01:34:45	2527439104	2527439631	1631
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 01:36:09	2527460496	2527461023	1631
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 01:37:32	2527481889	2527482416	1631
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 01:41:19	2527540007	2527541150	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:42:05	2527551824	2527552351	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:42:49	2527563104	2527563631	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:43:33	2527574382	2527574909	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:44:17	2527585661	2527586188	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:45:02	2527596940	2527597467	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:45:46	2527608219	2527608746	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:46:30	2527619499	2527620026	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:47:14	2527630778	2527631305	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:47:58	2527642057	2527642584	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:48:42	2527653335	2527653862	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:49:26	2527664614	2527665141	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:50:10	2527675893	2527676420	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:50:54	2527687172	2527687699	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:51:38	2527698451	2527698978	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:52:22	2527709731	2527710258	1631
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 01:53:06	2527721010	2527721537	1631
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 02:07:31	2527942448	2527942975	1632
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 02:08:34	2527958478	2527959005	1632
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 02:09:36	2527974509	2527975036	1632
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 02:10:39	2527990540	2527991067	1632
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	23-Jun-2002 02:11:42	2528006571	2528007362	1632
Bet: Sun_Calibration (fast sweep scanning)	3	1	Bet_50	50	High Data Rate (1867 kHz)	23-Jun-2002 02:12:59	2528026491	2528027282	1632
Bet: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	23-Jun-2002 02:13:33	2528034982	2528036200	1632
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 02:14:16	2528046046	2528046573	1632
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 02:15:18	2528062077	2528062604	1632
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 02:16:21	2528078109	2528078636	1632
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 02:17:24	2528094139	2528094666	1632
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 02:18:26	2528110170	2528110697	1632
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:19:35	2528127721	2528128248	1632
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 02:20:38	2528143753	2528144280	1632
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:21:46	2528161304	2528161831	1632
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 02:22:49	2528177334	2528177861	1632
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:23:57	2528194885	2528195412	1632
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 02:25:00	2528210916	2528211443	1632
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:26:08	2528228467	2528228994	1632
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 02:27:11	2528244498	2528245025	1632
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:28:20	2528262049	2528262576	1632
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 02:29:22	2528278080	2528278607	1632
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:30:31	2528295632	2528296159	1632
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 02:31:33	2528311662	2528312189	1632
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:32:42	2528329213	2528329740	1632
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 02:33:45	2528345244	2528345771	1632
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:34:53	2528362796	2528363323	1632
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 02:35:56	2528378826	2528379353	1632
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:37:04	2528396377	2528396904	1632

## 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
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 02:38:07	2528412408	2528412935	1632
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:39:16	2528429960	2528430487	1632
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 02:40:18	2528445990	2528446517	1632
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:41:27	2528463541	2528464068	1632
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 02:42:29	2528479572	2528480099	1632
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:43:38	2528497123	2528497650	1632
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 02:44:40	2528513155	2528513682	1632
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 02:45:49	2528530706	2528531233	1632
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 02:46:52	2528546737	2528547264	1632
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 02:48:00	2528564287	2528564814	1632
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 02:49:03	2528580318	2528580845	1632
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 02:50:11	2528597870	2528598397	1632
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 02:51:14	2528613900	2528614427	1632
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 02:52:23	2528631452	2528631979	1632
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 02:53:25	2528647482	2528648009	1632
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 02:54:34	2528665033	2528665560	1632
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 02:55:36	2528681065	2528681592	1632
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 02:56:45	2528698615	2528699142	1632
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 02:57:48	2528714646	2528715173	1632
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 02:58:56	2528732198	2528732725	1632
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 02:59:59	2528748229	2528748756	1632
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 03:01:22	2528769620	2528770147	1632
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 03:02:25	2528785651	2528786178	1632
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 03:03:48	2528807043	2528807570	1632
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:04:51	2528823075	2528823602	1632
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:06:15	2528844466	2528844993	1632
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:07:38	2528865858	2528866385	1632
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:09:02	2528887250	2528887777	1632
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:10:25	2528908643	2528909170	1632
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:11:49	2528930034	2528930561	1632
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:13:12	2528951426	2528951953	1632
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:14:36	2528972819	2528973346	1632
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:16:00	2528994211	2528994738	1632
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:17:23	2529015602	2529016129	1632
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 03:21:55	2529085222	2529086365	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:22:41	2529097039	2529097566	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:23:25	2529108318	2529108845	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:24:09	2529119597	2529120124	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:24:53	2529130875	2529131402	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:25:38	2529142154	2529142681	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:26:22	2529153433	2529153960	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:27:06	2529164712	2529165239	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:27:50	2529175991	2529176518	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:28:34	2529187270	2529187797	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:29:18	2529198550	2529199077	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:30:02	2529209828	2529210355	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:30:46	2529221107	2529221634	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:31:30	2529232386	2529232913	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:32:14	2529243666	2529244193	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:32:58	2529254945	2529255472	1632
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 03:33:42	2529266223	2529266750	1632
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 03:48:07	2529487647	2529488174	1633
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 03:49:10	2529503677	2529504204	1633
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 03:50:12	2529519708	2529520235	1633
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 03:51:15	2529535739	2529536266	1633
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	23-Jun-2002 03:52:23	2529551770	2529552561	1633
Bet: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Bet_68	68	High Data Rate (1867 kHz)	23-Jun-2002 03:53:35	2529571690	2529572481	1633
Bet: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	23-Jun-2002 03:54:09	2529580176	2529581394	1633

## 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
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 03:54:52	2529591240	2529591767	1633
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 03:55:54	2529607271	2529607798	1633
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 03:56:57	2529623303	2529623830	1633
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 03:58:00	2529639333	2529639860	1633
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 03:59:23	2529660726	2529661253	1633
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:00:26	2529676756	2529677283	1633
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:01:49	2529698148	2529698675	1633
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 04:02:52	2529714179	2529714706	1633
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:04:16	2529735571	2529736098	1633
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 04:05:18	2529751603	2529752130	1633
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:06:42	2529772994	2529773521	1633
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 04:07:44	2529789025	2529789552	1633
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:08:53	2529806576	2529807103	1633
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 04:09:56	2529822608	2529823135	1633
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:11:04	2529840161	2529840688	1633
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 04:12:07	2529856189	2529856716	1633
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:13:15	2529873740	2529874267	1633
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 04:14:18	2529889771	2529890298	1633
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:15:26	2529907322	2529907849	1633
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 04:16:29	2529923356	2529923883	1633
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:17:38	2529940904	2529941431	1633
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 04:18:40	2529956936	2529957463	1633
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:19:49	2529974486	2529975013	1633
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 04:20:51	2529990517	2529991044	1633
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:22:00	2530008068	2530008595	1633
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 04:23:03	2530024099	2530024626	1633
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:24:11	2530041651	2530042178	1633
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 04:25:14	2530057682	2530058209	1633
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 04:26:22	2530075233	2530075760	1633
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 04:27:25	2530091263	2530091790	1633
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 04:28:34	2530108815	2530109342	1633
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 04:29:36	2530124846	2530125373	1633
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 04:30:45	2530142396	2530142923	1633
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 04:31:47	2530158428	2530158955	1633
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 04:32:56	2530175978	2530176505	1633
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 04:33:59	2530192009	2530192536	1633
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 04:35:07	2530209562	2530210089	1633
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 04:36:10	2530225591	2530226118	1633
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 04:37:18	2530243142	2530243669	1633
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 04:38:21	2530259173	2530259700	1633
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 04:39:29	2530276724	2530277251	1633
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 04:40:32	2530292757	2530293284	1633
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 04:41:56	2530314147	2530314674	1633
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 04:42:58	2530330178	2530330705	1633
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 04:44:22	2530351570	2530352097	1633
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:45:24	2530367602	2530368129	1633
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 04:46:48	2530388994	2530389521	1633
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:47:51	2530405024	2530405551	1633
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:49:14	2530426416	2530426943	1633
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:50:38	2530447808	2530448335	1633
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:52:01	2530469200	2530469727	1633
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:53:25	2530490592	2530491119	1633
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:54:48	2530511984	2530512511	1633
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:56:12	2530533377	2530533904	1633
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:57:36	2530554768	2530555295	1633
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 04:58:59	2530576161	2530576688	1633
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 05:02:31	2530630445	2530631588	1633
Bet: Weekly_Calibration_Eclipse	56	1	Bet_46	46	Low Data Rate (400 kHz)	23-Jun-2002 05:03:17	2530642263	2530642790	1633
Bet: Weekly_Calibration_Eclipse	56	2	Bet_63	63	Low Data Rate (400 kHz)	23-Jun-2002 05:03:26	2530644455	2530644982	1633
Bet: Weekly_Calibration_Eclipse	56	3	Bet_67	67	Low Data Rate (400 kHz)	23-Jun-2002 05:03:59	2530653045	2530653572	1633
Bet: Weekly_Calibration_Eclipse	56	4	Bet_59	59	Low Data Rate (400 kHz)	23-Jun-2002 05:07:23	2530705159	2530706433	1633
Bet: Weekly_Calibration_Eclipse	56	5	Bet_46	46	Low Data Rate (400 kHz)	23-Jun-2002 05:07:45	2530710681	2530711208	1633
Bet: Weekly_Calibration_Eclipse	56	6	Bet_63	63	Low Data Rate (400 kHz)	23-Jun-2002 05:07:53	2530712872	2530713399	1633
Bet: Weekly_Calibration_Eclipse	56	7	Bet_67	67	Low Data Rate (400 kHz)	23-Jun-2002 05:08:27	2530721464	2530721991	1633

## 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
Bet: Weekly_Calibration_Eclipse	56	8	Bet_46	46	Low Data Rate (400 kHz)	23-Jun-2002 05:11:50	2530773576	2530774103	1633
Bet: Weekly_Calibration_Eclipse	56	9	Bet_63	63	Low Data Rate (400 kHz)	23-Jun-2002 05:11:59	2530775768	2530776295	1633
Bet: Weekly_Calibration_Eclipse	56	10	Bet_67	67	Low Data Rate (400 kHz)	23-Jun-2002 05:12:32	2530784358	2530784885	1633
Bet: Weekly_Calibration_Eclipse	56	11	Bet_61	61	Low Data Rate (400 kHz)	23-Jun-2002 05:15:56	2530836472	2530837878	1633
Bet: Weekly_Calibration_Eclipse	56	12	Bet_46	46	Low Data Rate (400 kHz)	23-Jun-2002 05:16:19	2530842449	2530842976	1633
Bet: Weekly_Calibration_Eclipse	56	13	Bet_63	63	Low Data Rate (400 kHz)	23-Jun-2002 05:16:28	2530844640	2530845167	1633
Bet: Weekly_Calibration_Eclipse	56	14	Bet_67	67	Low Data Rate (400 kHz)	23-Jun-2002 05:17:01	2530853230	2530853757	1633
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 05:28:39	2531031847	2531032374	1634
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 05:29:42	2531047878	2531048405	1634
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 05:30:44	2531063910	2531064437	1634
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 05:31:47	2531079941	2531080468	1634
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Bet_51	51	High Data Rate (1867 kHz)	23-Jun-2002 05:32:50	2531095971	2531096762	1634
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 05:34:03	2531114645	2531115172	1634
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 05:35:05	2531130676	2531131203	1634
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 05:36:08	2531146707	2531147234	1634
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 05:37:10	2531162737	2531163264	1634
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 05:38:13	2531178769	2531179296	1634
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 05:39:22	2531196319	2531196846	1634
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 05:40:24	2531212351	2531212878	1634
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 05:41:33	2531229902	2531230429	1634
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 05:42:35	2531245932	2531246459	1634
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 05:43:44	2531263483	2531264010	1634
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 05:44:47	2531279514	2531280041	1634
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 05:45:55	2531297065	2531297592	1634
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 05:46:58	2531313097	2531313624	1634
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 05:48:06	2531330648	2531331175	1634
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 05:49:09	2531346678	2531347205	1634
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 05:50:18	2531364229	2531364756	1634
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 05:51:20	2531380260	2531380787	1634
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 05:52:29	2531397811	2531398338	1634
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 05:53:31	2531413842	2531414369	1634
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 05:54:40	2531431393	2531431920	1634
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 05:55:42	2531447424	2531447951	1634
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 05:56:51	2531464976	2531465503	1634
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 05:57:54	2531481006	2531481533	1634
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 05:59:02	2531498557	2531499084	1634
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 06:00:05	2531514589	2531515116	1634
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 06:01:13	2531532139	2531532666	1634
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 06:02:16	2531548171	2531548698	1634
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 06:03:25	2531565721	2531566248	1634
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 06:04:27	2531581752	2531582279	1634
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 06:05:36	2531599304	2531599831	1634
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 06:06:38	2531615335	2531615862	1634
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 06:07:47	2531632885	2531633412	1634
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 06:08:50	2531648916	2531649443	1634
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 06:09:58	2531666467	2531666994	1634
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 06:11:01	2531682498	2531683025	1634
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 06:12:09	2531700049	2531700576	1634
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 06:13:12	2531716080	2531716607	1634
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 06:14:20	2531733631	2531734158	1634
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 06:15:23	2531749662	2531750189	1634
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 06:16:32	2531767214	2531767741	1634
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 06:17:34	2531783244	2531783771	1634
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 06:18:43	2531800795	2531801322	1634
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 06:19:45	2531816826	2531817353	1634
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 06:21:09	2531838219	2531838746	1634
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 06:22:12	2531854250	2531854777	1634
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 06:23:35	2531875641	2531876168	1634
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 06:24:38	2531891672	2531892199	1634

## 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
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 06:26:01	2531913065	2531913592	1634
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 06:27:25	2531934456	2531934983	1634
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 06:28:49	2531955848	2531956375	1634
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 06:30:12	2531977241	2531977768	1634
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 06:31:36	2531998633	2531999160	1634
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 06:32:59	2532020025	2532020552	1634
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 06:34:23	2532041416	2532041943	1634
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 06:35:46	2532062808	2532063335	1634
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 06:37:10	2532084201	2532084728	1634
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 06:43:07	2532175662	2532176805	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:43:53	2532187480	2532188007	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:44:37	2532198759	2532199286	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:45:21	2532210039	2532210566	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:46:06	2532221318	2532221845	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:46:50	2532232597	2532233124	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:47:34	2532243875	2532244402	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:48:18	2532255155	2532255682	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:49:02	2532266433	2532266960	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:49:46	2532277712	2532278239	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:50:30	2532288991	2532289518	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:51:14	2532300270	2532300797	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:51:58	2532311550	2532312077	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:52:42	2532322829	2532323356	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:53:26	2532334107	2532334634	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:54:10	2532345386	2532345913	1634
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 06:54:54	2532356666	2532357193	1634
Bet: MO&C (pointing, long duration)	10	1	Bet_57	57	Low Data Rate (400 kHz)	23-Jun-2002 08:07:18	2533468739	2533469266	1635
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 08:23:43	2533720859	2533722002	1635
1. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	15	1	M_IFOV_ASM	22	Low Data Rate (400 kHz)	23-Jun-2002 09:48:30	2535023084	2535023611	1636
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 10:04:19	2535266046	2535267189	1636
2. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	16	1	M_IFOV_ESM	34	Low Data Rate (400 kHz)	23-Jun-2002 11:28:59	2536566429	2536566956	1637
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 11:44:55	2536811223	2536812366	1637
Limb TCFOV moon OBJ 105	17	1	M_TCFOV	14	Low Data Rate (400 kHz)	23-Jun-2002 13:08:16	2538091593	2538092120	1638
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 13:25:31	2538356397	2538357540	1638
Timing of Sun Fixed Event Moon OBJ 62	23	1	M_SF_6	21	Low Data Rate (400 kHz)	23-Jun-2002 14:49:38	2539648579	2539649106	1639
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 15:06:07	2539901604	2539902747	1639
Timing of Sun Fixed Event Moon OBJ 62	23	1	M_SF_6	21	Low Data Rate (400 kHz)	23-Jun-2002 16:30:07	2541191903	2541192430	1640
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 16:46:43	2541446831	2541447974	1640
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 17:12:54	2541849188	2541849715	1641
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 17:13:57	2541865219	2541865746	1641
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 17:15:00	2541881250	2541881777	1641
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 17:16:02	2541897280	2541897807	1641
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	23-Jun-2002 17:17:05	2541913311	2541914102	1641
Bet: Sun Calibration (fast sweep scanning)	3	1	Bet_50	50	High Data Rate (1867 kHz)	23-Jun-2002 17:18:23	2541933234	2541934025	1641
Bet: ESM: Sun_Diffuser (ND in)	8	1	Bet_62	62	High Data Rate (1867 kHz)	23-Jun-2002 17:18:55	2541941598	2541942948	1641
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 17:20:20	2541963318	2541963845	1641
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 17:21:23	2541979349	2541979876	1641
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 17:22:25	2541995379	2541995906	1641
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 17:23:28	2542011411	2542011938	1641
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 17:24:31	2542027441	2542027968	1641
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:25:39	2542044992	2542045519	1641
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 17:26:42	2542061023	2542061550	1641
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:27:50	2542078574	2542079101	1641
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 17:28:53	2542094606	2542095133	1641
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:30:02	2542112156	2542112683	1641



## 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
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 17:31:04	2542128187	2542128714	1641
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:32:13	2542145739	2542146266	1641
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 17:33:15	2542161769	2542162296	1641
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:34:24	2542179320	2542179847	1641
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 17:35:27	2542195351	2542195878	1641
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:36:35	2542212902	2542213429	1641
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 17:37:38	2542228934	2542229461	1641
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:38:46	2542246485	2542247012	1641
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 17:39:49	2542262515	2542263042	1641
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:40:57	2542280066	2542280593	1641
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 17:42:00	2542296097	2542296624	1641
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:43:09	2542313648	2542314175	1641
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 17:44:11	2542329680	2542330207	1641
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:45:20	2542347231	2542347758	1641
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 17:46:22	2542363261	2542363788	1641
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:47:31	2542380813	2542381340	1641
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 17:48:34	2542396843	2542397370	1641
Bet: Limb/Nadir Sequence 1	51	1	Bet_60	60	Low Data Rate (400 kHz)	23-Jun-2002 17:50:27	2542425937	2542426975	1641
Bet: Limb/Nadir Sequence 1	51	2	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 17:50:56	2542433224	2542433751	1641
Bet: Limb/Nadir Sequence 1	51	3	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 17:51:58	2542449254	2542449781	1641
Bet: Limb/Nadir Sequence 1	51	4	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 17:53:07	2542466806	2542467333	1641
Bet: Limb/Nadir Sequence 1	51	5	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 17:54:10	2542482836	2542483363	1641
Bet: Limb/Nadir Sequence 1	51	6	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 17:55:18	2542500387	2542500914	1641
Bet: Limb/Nadir Sequence 1	51	7	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 17:56:21	2542516419	2542516946	1641
Bet: Limb/Nadir Sequence 1	51	8	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 17:57:29	2542533970	2542534497	1641
Bet: Limb/Nadir Sequence 1	51	9	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 17:58:32	2542550001	2542550528	1641
Bet: Limb/Nadir Sequence 1	51	10	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 17:59:40	2542567551	2542568078	1641
Bet: Limb/Nadir Sequence 1	51	11	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 18:00:43	2542583582	2542584109	1641
Bet: Limb/Nadir Sequence 1	51	12	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 18:01:52	2542601133	2542601660	1641
Bet: Limb/Nadir Sequence 1	51	13	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 18:02:54	2542617164	2542617691	1641
Bet: Limb/Nadir Sequence 1	51	14	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 18:04:03	2542634715	2542635242	1641
Bet: Limb/Nadir Sequence 1	51	15	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 18:05:05	2542650746	2542651273	1641
Bet: Limb/Nadir Sequence 1	51	16	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 18:06:29	2542672138	2542672665	1641
Bet: Limb/Nadir Sequence 1	51	17	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 18:07:32	2542688170	2542688697	1641
Bet: Limb/Nadir Sequence 1	51	18	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 18:08:55	2542709561	2542710088	1641
Bet: Limb/Nadir Sequence 1	51	19	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:09:58	2542725592	2542726119	1641
Bet: Limb/Nadir Sequence 1	51	20	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:11:21	2542746984	2542747511	1641
Bet: Limb/Nadir Sequence 1	51	21	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:12:45	2542768377	2542768904	1641
Bet: Limb/Nadir Sequence 1	51	22	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:14:09	2542789768	2542790295	1641
Bet: Limb/Nadir Sequence 1	51	23	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:15:32	2542811160	2542811687	1641
Bet: Limb/Nadir Sequence 1	51	24	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:16:56	2542832553	2542833080	1641
Bet: Limb/Nadir Sequence 1	51	25	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:18:19	2542853944	2542854471	1641
Bet: Limb/Nadir Sequence 1	51	26	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:19:43	2542875337	2542875864	1641
Bet: Limb/Nadir Sequence 1	51	27	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:21:06	2542896728	2542897255	1641
Bet: Limb/Nadir Sequence 1	51	28	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:22:30	2542918121	2542918648	1641
Bet: Limb/Nadir Sequence 1	51	29	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 18:23:53	2542939512	2542940039	1641
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 18:27:19	2542992053	2542993196	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:28:05	2543003871	2543004398	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:28:49	2543015149	2543015676	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:29:33	2543026429	2543026956	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:30:17	2543037707	2543038234	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:31:01	2543048986	2543049513	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:31:45	2543060265	2543060792	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:32:29	2543071544	2543072071	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:33:13	2543082823	2543083350	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:33:57	2543094102	2543094629	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:34:41	2543105382	2543105909	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:35:25	2543116660	2543117187	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:36:09	2543127939	2543128466	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:36:54	2543139218	2543139745	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:37:38	2543150497	2543151024	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:38:22	2543161776	2543162303	1641
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 18:39:06	2543173056	2543173583	1641

## 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
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 18:53:30	2543394400	2543394927	1642
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 18:54:33	2543410431	2543410958	1642
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 18:55:36	2543426462	2543426989	1642
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 18:56:38	2543442493	2543443020	1642
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	23-Jun-2002 18:57:41	2543458524	2543459315	1642
Bet: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Bet_68	68	High Data Rate (1867 kHz)	23-Jun-2002 18:58:59	2543478449	2543479240	1642
Bet: ESM: Sun_Diffuser (ND in)	8	1	Bet_62	62	High Data Rate (1867 kHz)	23-Jun-2002 18:59:31	2543486806	2543488156	1642
Bet: Limb/Nadir Sequence 2	52	1	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 19:01:27	2543516534	2543517061	1642
Bet: Limb/Nadir Sequence 2	52	2	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 19:02:30	2543532565	2543533092	1642
Bet: Limb/Nadir Sequence 2	52	3	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 19:03:33	2543548599	2543549126	1642
Bet: Limb/Nadir Sequence 2	52	4	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 19:04:35	2543564628	2543565155	1642
Bet: Limb/Nadir Sequence 2	52	5	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:05:44	2543582179	2543582706	1642
Bet: Limb/Nadir Sequence 2	52	6	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 19:06:46	2543598209	2543598736	1642
Bet: Limb/Nadir Sequence 2	52	7	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:07:55	2543615760	2543616287	1642
Bet: Limb/Nadir Sequence 2	52	8	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 19:08:58	2543631792	2543632319	1642
Bet: Limb/Nadir Sequence 2	52	9	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:10:06	2543649342	2543649869	1642
Bet: Limb/Nadir Sequence 2	52	10	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 19:11:09	2543665373	2543665900	1642
Bet: Limb/Nadir Sequence 2	52	11	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:12:17	2543682924	2543683451	1642
Bet: Limb/Nadir Sequence 2	52	12	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 19:13:20	2543698955	2543699482	1642
Bet: Limb/Nadir Sequence 2	52	13	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:14:29	2543716506	2543717033	1642
Bet: Limb/Nadir Sequence 2	52	14	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 19:15:31	2543732538	2543733065	1642
Bet: Limb/Nadir Sequence 2	52	15	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:16:40	2543750089	2543750616	1642
Bet: Limb/Nadir Sequence 2	52	16	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 19:17:42	2543766119	2543766646	1642
Bet: Limb/Nadir Sequence 2	52	17	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:18:51	2543783670	2543784197	1642
Bet: Limb/Nadir Sequence 2	52	18	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 19:19:54	2543799702	2543800229	1642
Bet: Limb/Nadir Sequence 2	52	19	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:21:02	2543817253	2543817780	1642
Bet: Limb/Nadir Sequence 2	52	20	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 19:22:05	2543833285	2543833812	1642
Bet: Limb/Nadir Sequence 2	52	21	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:23:13	2543850834	2543851361	1642
Bet: Limb/Nadir Sequence 2	52	22	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 19:24:16	2543866865	2543867392	1642
Bet: Limb/Nadir Sequence 2	52	23	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:25:24	2543884416	2543884943	1642
Bet: Limb/Nadir Sequence 2	52	24	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 19:26:27	2543900447	2543900974	1642
Bet: Limb/Nadir Sequence 2	52	25	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:27:36	2543917999	2543918526	1642
Bet: Limb/Nadir Sequence 2	52	26	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 19:28:38	2543934029	2543934556	1642
Bet: Limb/Nadir Sequence 2	54	1	Bet_60	60	Low Data Rate (400 kHz)	23-Jun-2002 19:31:03	2543971132	2543972170	1642
Bet: Limb/Nadir Sequence 2	54	2	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 19:31:32	2543978419	2543978946	1642
Bet: Limb/Nadir Sequence 2	54	3	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 19:32:40	2543995969	2543996496	1642
Bet: Limb/Nadir Sequence 2	54	4	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 19:33:43	2544012000	2544012527	1642
Bet: Limb/Nadir Sequence 2	54	5	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 19:34:51	2544029551	2544030078	1642
Bet: Limb/Nadir Sequence 2	54	6	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 19:35:54	2544045582	2544046109	1642
Bet: Limb/Nadir Sequence 2	54	7	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 19:37:03	2544063134	2544063661	1642
Bet: Limb/Nadir Sequence 2	54	8	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 19:38:05	2544079165	2544079692	1642
Bet: Limb/Nadir Sequence 2	54	9	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 19:39:14	2544096716	2544097243	1642
Bet: Limb/Nadir Sequence 2	54	10	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 19:40:16	2544112746	2544113273	1642
Bet: Limb/Nadir Sequence 2	54	11	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 19:41:25	2544130297	2544130824	1642
Bet: Limb/Nadir Sequence 2	54	12	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 19:42:28	2544146329	2544146856	1642
Bet: Limb/Nadir Sequence 2	54	13	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 19:43:36	2544163879	2544164406	1642
Bet: Limb/Nadir Sequence 2	54	14	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 19:44:39	2544179911	2544180438	1642
Bet: Limb/Nadir Sequence 2	54	15	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 19:46:02	2544201302	2544201829	1642
Bet: Limb/Nadir Sequence 2	54	16	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 19:47:05	2544217334	2544217861	1642
Bet: Limb/Nadir Sequence 2	54	17	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 19:48:29	2544238726	2544239253	1642
Bet: Limb/Nadir Sequence 2	54	18	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 19:49:31	2544254756	2544255283	1642
Bet: Limb/Nadir Sequence 2	54	19	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 19:50:55	2544276149	2544276676	1642
Bet: Limb/Nadir Sequence 2	54	20	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 19:51:57	2544292179	2544292706	1642
Bet: Limb/Nadir Sequence 2	54	21	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 19:53:21	2544313572	2544314099	1642
Bet: Limb/Nadir Sequence 2	54	22	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 19:54:44	2544334963	2544335490	1642
Bet: Limb/Nadir Sequence 2	54	23	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 19:56:08	2544356355	2544356882	1642
Bet: Limb/Nadir Sequence 2	54	24	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 19:57:32	2544377748	2544378275	1642
Bet: Limb/Nadir Sequence 2	54	25	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 19:58:55	2544399139	2544399666	1642

## 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
Bet: Limb/Nadir Sequence 2	54	26	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 20:00:19	2544420532	2544421059	1642
Bet: Limb/Nadir Sequence 2	54	27	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 20:01:42	2544441923	2544442450	1642
Bet: Limb/Nadir Sequence 2	54	28	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 20:03:06	2544463315	2544463842	1642
Bet: Limb/Nadir Sequence 2	54	29	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 20:04:29	2544484707	2544485234	1642
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 20:07:55	2544537248	2544538391	1642
Bet: Weekly Calibration _Eclipse	56	1	Bet_46	46	Low Data Rate (400 kHz)	23-Jun-2002 20:08:41	2544549066	2544549593	1642
Bet: Weekly Calibration _Eclipse	56	2	Bet_63	63	Low Data Rate (400 kHz)	23-Jun-2002 20:08:49	2544551256	2544551783	1642
Bet: Weekly Calibration _Eclipse	56	3	Bet_67	67	Low Data Rate (400 kHz)	23-Jun-2002 20:09:23	2544559847	2544560374	1642
Bet: Weekly Calibration _Eclipse	56	4	Bet_59	59	Low Data Rate (400 kHz)	23-Jun-2002 20:12:46	2544611961	2544613235	1642
Bet: Weekly Calibration _Eclipse	56	5	Bet_46	46	Low Data Rate (400 kHz)	23-Jun-2002 20:13:08	2544617483	2544618010	1642
Bet: Weekly Calibration _Eclipse	56	6	Bet_63	63	Low Data Rate (400 kHz)	23-Jun-2002 20:13:17	2544619674	2544620201	1642
Bet: Weekly Calibration _Eclipse	56	7	Bet_67	67	Low Data Rate (400 kHz)	23-Jun-2002 20:13:50	2544628265	2544628792	1642
Bet: Weekly Calibration _Eclipse	56	8	Bet_46	46	Low Data Rate (400 kHz)	23-Jun-2002 20:17:14	2544680379	2544680906	1642
Bet: Weekly Calibration _Eclipse	56	9	Bet_63	63	Low Data Rate (400 kHz)	23-Jun-2002 20:17:22	2544682569	2544683096	1642
Bet: Weekly Calibration _Eclipse	56	10	Bet_67	67	Low Data Rate (400 kHz)	23-Jun-2002 20:17:56	2544691160	2544691687	1642
Bet: Weekly Calibration _Eclipse	56	11	Bet_61	61	Low Data Rate (400 kHz)	23-Jun-2002 20:21:19	2544743274	2544744680	1642
Bet: Weekly Calibration _Eclipse	56	12	Bet_46	46	Low Data Rate (400 kHz)	23-Jun-2002 20:21:43	2544749251	2544749778	1642
Bet: Weekly Calibration _Eclipse	56	13	Bet_63	63	Low Data Rate (400 kHz)	23-Jun-2002 20:21:51	2544751441	2544751968	1642
Bet: Weekly Calibration _Eclipse	56	14	Bet_67	67	Low Data Rate (400 kHz)	23-Jun-2002 20:22:25	2544760032	2544760559	1642
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 20:34:06	2544939595	2544940122	1643
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 20:35:09	2544955626	2544956153	1643
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 20:36:12	2544971657	2544972184	1643
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 20:37:14	2544987688	2544988215	1643
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	23-Jun-2002 20:38:17	2545003719	2545004510	1643
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 20:40:36	2545039289	2545039816	1643
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 20:41:38	2545055320	2545055847	1643
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 20:42:41	2545071351	2545071878	1643
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 20:43:44	2545087382	2545087909	1643
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 20:44:46	2545103412	2545103939	1643
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 20:45:55	2545120964	2545121491	1643
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 20:46:57	2545136995	2545137522	1643
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 20:48:06	2545154545	2545155072	1643
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 20:49:09	2545170577	2545171104	1643
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 20:50:17	2545188127	2545188654	1643
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 20:51:20	2545204159	2545204686	1643
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 20:52:28	2545221710	2545222237	1643
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 20:53:31	2545237741	2545238268	1643
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 20:54:39	2545252592	2545253119	1643
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 20:55:42	2545271322	2545271849	1643
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 20:56:51	2545288874	2545289401	1643
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 20:57:53	2545304905	2545305432	1643
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 20:59:02	2545322455	2545322982	1643
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 21:00:04	2545338486	2545339013	1643
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 21:01:13	2545356037	2545356564	1643
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 21:02:16	2545372068	2545372595	1643
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 21:03:24	2545389619	2545390146	1643
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 21:04:27	2545405650	2545406177	1643
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 21:05:35	2545423201	2545423728	1643
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 21:06:38	2545439232	2545439759	1643
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 21:07:47	2545456783	2545457310	1643
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 21:08:49	2545472814	2545473341	1643
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 21:09:58	2545490366	2545490893	1643
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 21:11:00	2545506396	2545506923	1643
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 21:12:09	2545523947	2545524474	1643
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 21:13:12	2545539978	2545540505	1643
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 21:14:20	2545557529	2545558056	1643
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 21:15:23	2545573560	2545574087	1643
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 21:16:31	2545591112	2545591639	1643
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 21:17:34	2545607142	2545607669	1643

## 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
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 21:18:42	2545624693	2545625220	1643
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 21:19:45	2545640725	2545641252	1643
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 21:20:54	2545658275	2545658802	1643
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 21:21:56	2545674307	2545674834	1643
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 21:23:05	2545691857	2545692384	1643
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 21:24:07	2545707888	2545708415	1643
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 21:25:16	2545725439	2545725966	1643
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 21:26:19	2545741470	2545741997	1643
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 21:27:42	2545762863	2545763390	1643
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 21:28:45	2545778893	2545779420	1643
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 21:30:08	2545800285	2545800812	1643
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 21:31:11	2545816317	2545816844	1643
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 21:32:35	2545837708	2545838235	1643
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 21:33:58	2545859101	2545859628	1643
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 21:35:22	2545880493	2545881020	1643
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 21:36:45	2545901885	2545902412	1643
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 21:38:09	2545923276	2545923803	1643
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 21:39:32	2545944668	2545945195	1643
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 21:40:56	2545966060	2545966587	1643
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 21:42:19	2545987452	2545987979	1643
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 21:43:43	2546008844	2546009371	1643
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 21:48:30	2546082424	2546083567	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:49:17	2546094222	2546094769	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:50:01	2546105522	2546106049	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:50:45	2546116801	2546117328	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:51:29	2546128079	2546128606	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:52:13	2546139358	2546139885	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:52:57	2546150637	2546151164	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:53:41	2546161916	2546162443	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:54:25	2546173196	2546173723	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:55:09	2546184475	2546185002	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:55:53	2546195753	2546196280	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:56:37	2546207032	2546207559	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:57:21	2546218311	2546218838	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:58:05	2546229590	2546230117	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:58:49	2546240869	2546241396	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 21:59:33	2546252148	2546252675	1643
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 22:00:17	2546263427	2546263954	1643
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 22:14:42	2546484772	2546485299	1644
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 22:15:45	2546500803	2546501330	1644
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 22:16:47	2546516834	2546517361	1644
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	23-Jun-2002 22:17:50	2546532865	2546533392	1644
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	23-Jun-2002 22:18:53	2546548897	2546549688	1644
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 22:21:12	2546584464	2546584991	1644
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 22:22:14	2546600495	2546601022	1644
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 22:23:17	2546616527	2546617054	1644
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 22:24:19	2546632557	2546633084	1644
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:25:43	2546653950	2546654477	1644
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 22:26:46	2546669980	2546670507	1644
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:28:09	2546691372	2546691899	1644
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 22:29:12	2546707403	2546707930	1644
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:30:35	2546728795	2546729322	1644
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 22:31:38	2546744827	2546745354	1644
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:33:02	2546766218	2546766745	1644
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 22:34:04	2546782249	2546782776	1644
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:35:13	2546799802	2546800329	1644
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 22:36:15	2546815831	2546816358	1644
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:37:24	2546833383	2546833910	1644
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 22:38:27	2546849413	2546849940	1644

## 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
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:39:35	2546866964	2546867491	1644
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 22:40:38	2546882996	2546883523	1644
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:41:46	2546900546	2546901073	1644
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 22:42:49	2546916578	2546917105	1644
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:43:57	2546934129	2546934656	1644
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 22:45:00	2546950159	2546950686	1644
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:46:09	2546967711	2546968238	1644
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 22:47:11	2546983741	2546984268	1644
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:48:20	2547001292	2547001819	1644
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	23-Jun-2002 22:49:22	2547017323	2547017850	1644
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:50:31	2547034874	2547035401	1644
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 22:51:34	2547050906	2547051433	1644
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	23-Jun-2002 22:52:42	2547068456	2547068983	1644
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 22:53:45	2547084487	2547085014	1644
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 22:54:53	2547102039	2547102566	1644
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 22:55:56	2547118070	2547118597	1644
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 22:57:04	2547135620	2547136147	1644
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	23-Jun-2002 22:58:07	2547151652	2547152179	1644
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	23-Jun-2002 22:59:16	2547169203	2547169730	1644
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	23-Jun-2002 23:00:18	2547185233	2547185760	1644
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	23-Jun-2002 23:01:27	2547202785	2547203312	1644
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 23:02:29	2547218815	2547219342	1644
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 23:03:38	2547236367	2547236894	1644
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	23-Jun-2002 23:04:41	2547252398	2547252925	1644
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 23:05:49	2547269948	2547270475	1644
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	23-Jun-2002 23:06:52	2547285890	2547286507	1644
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 23:08:15	2547307372	2547307899	1644
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	23-Jun-2002 23:09:18	2547323403	2547323930	1644
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 23:10:42	2547344795	2547345322	1644
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 23:11:44	2547360825	2547361352	1644
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	23-Jun-2002 23:13:08	2547382218	2547382745	1644
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 23:14:10	2547398248	2547398775	1644
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 23:15:34	2547419640	2547420167	1644
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 23:16:58	2547441032	2547441559	1644
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 23:18:21	2547462424	2547462951	1644
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 23:19:45	2547483817	2547484344	1644
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 23:21:08	2547505208	2547505735	1644
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 23:22:32	2547526601	2547527128	1644
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 23:23:55	2547547992	2547548519	1644
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	23-Jun-2002 23:25:19	2547569384	2547569911	1644
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	23-Jun-2002 23:29:06	2547627600	2547628743	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:29:52	2547639418	2547639945	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:30:37	2547650697	2547651224	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:31:21	2547661977	2547662504	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:32:05	2547673256	2547673783	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:32:49	2547684536	2547685063	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:33:33	2547695813	2547696340	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:34:17	2547707093	2547707620	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:35:01	2547718371	2547718898	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:35:45	2547729650	2547730177	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:36:29	2547740929	2547741456	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:37:13	2547752209	2547752736	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:37:57	2547763487	2547764014	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:38:41	2547774767	2547775294	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:39:25	2547786046	2547786573	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:40:09	2547797324	2547797851	1644
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	23-Jun-2002 23:40:53	2547808603	2547809130	1644
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 01:09:42	2549172784	2549173927	1645
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 01:35:54	2549575121	2549575648	1646
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 01:36:56	2549591151	2549591678	1646
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 01:37:59	2549607182	2549607709	1646

## 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
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 01:39:02	2549623213	2549623740	1646
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	24-Jun-2002 01:40:04	2549639244	2549640035	1646
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	24-Jun-2002 01:42:23	2549674813	2549675340	1646
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 01:43:26	2549690843	2549691370	1646
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 01:44:28	2549706874	2549707401	1646
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 01:45:31	2549722906	2549723433	1646
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 01:46:34	2549738936	2549739463	1646
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 01:47:42	2549756487	2549757014	1646
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 01:48:45	2549772518	2549773045	1646
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 01:49:53	2549790069	2549790596	1646
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 01:50:56	2549806100	2549806627	1646
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 01:52:05	2549823652	2549824179	1646
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 01:53:07	2549839682	2549840209	1646
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 01:54:16	2549857233	2549857760	1646
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 01:55:18	2549873264	2549873791	1646
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 01:56:27	2549890816	2549891343	1646
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 01:57:30	2549906847	2549907374	1646
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 01:58:38	2549924398	2549924925	1646
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 01:59:41	2549940428	2549940955	1646
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 02:00:49	2549957980	2549958507	1646
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 02:01:52	2549974010	2549974537	1646
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 02:03:01	2549991562	2549992089	1646
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 02:04:03	2550007593	2550008120	1646
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 02:05:12	2550025143	2550025670	1646
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 02:06:14	2550041174	2550041701	1646
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 02:07:23	2550058725	2550059252	1646
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 02:08:25	2550074756	2550075283	1646
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 02:09:34	2550092308	2550092835	1646
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 02:10:37	2550108338	2550108865	1646
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 02:11:45	2550125889	2550126416	1646
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 02:12:48	2550141920	2550142447	1646
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 02:13:56	2550159471	2550159998	1646
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 02:14:59	2550175502	2550176030	1646
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 02:16:08	2550193054	2550193581	1646
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 02:17:10	2550209084	2550209611	1646
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 02:18:19	2550226635	2550227162	1646
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 02:19:21	2550242667	2550243194	1646
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 02:20:30	2550260217	2550260744	1646
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 02:21:33	2550276249	2550276776	1646
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	24-Jun-2002 02:22:41	2550293799	2550294326	1646
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 02:23:44	2550309830	2550310357	1646
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 02:24:52	2550327381	2550327908	1646
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 02:25:55	2550343413	2550343940	1646
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 02:27:03	2550360963	2550361490	1646
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	24-Jun-2002 02:28:06	2550376995	2550377522	1646
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 02:29:30	2550398386	2550398913	1646
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	24-Jun-2002 02:30:32	2550414418	2550414945	1646
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 02:31:56	2550435809	2550436336	1646
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 02:32:58	2550451840	2550452367	1646
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 02:34:22	2550473233	2550473760	1646
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 02:35:46	2550494625	2550495152	1646
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 02:37:09	2550516017	2550516544	1646
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 02:38:33	2550537408	2550537935	1646
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 02:39:56	2550558800	2550559327	1646
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 02:41:20	2550580192	2550580719	1646
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 02:42:43	2550601584	2550602111	1646
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 02:44:07	2550622976	2550623503	1646
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 02:45:31	2550644369	2550644896	1646
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 02:50:18	2550718000	2550719143	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:51:04	2550729818	2550730345	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:51:48	2550741097	2550741624	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:52:32	2550752377	2550752904	1646

## 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
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:53:17	2550763656	2550764183	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:54:01	2550774935	2550775462	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:54:45	2550786213	2550786740	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:55:29	2550797492	2550798019	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:56:13	2550808772	2550809299	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:56:57	2550820050	2550820577	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:57:41	2550831330	2550831857	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:58:25	2550842609	2550843136	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:59:09	2550853887	2550854414	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 02:59:53	2550865167	2550865694	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 03:00:37	2550876446	2550876973	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 03:01:21	2550887725	2550888252	1646
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 03:02:05	2550899003	2550899530	1646
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 03:16:30	2551120317	2551120844	1647
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 03:17:32	2551136348	2551136875	1647
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 03:18:35	2551152379	2551152906	1647
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 03:19:38	2551168411	2551168938	1647
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	24-Jun-2002 03:20:40	2551184441	2551185232	1647
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	24-Jun-2002 03:22:59	2551220010	2551220537	1647
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 03:24:02	2551236042	2551236569	1647
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 03:25:04	2551252073	2551252600	1647
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 03:26:07	2551268103	2551268630	1647
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:27:31	2551289496	2551290023	1647
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 03:28:33	2551305526	2551306053	1647
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:29:57	2551326919	2551327446	1647
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	24-Jun-2002 03:30:59	2551342949	2551343476	1647
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:32:23	2551364341	2551364868	1647
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	24-Jun-2002 03:33:26	2551380373	2551380900	1647
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:34:49	2551401764	2551402291	1647
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 03:35:52	2551417797	2551418324	1647
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:37:00	2551435346	2551435873	1647
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 03:38:03	2551451377	2551451904	1647
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:39:11	2551468929	2551469456	1647
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 03:40:14	2551484959	2551485486	1647
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:41:23	2551502511	2551503038	1647
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 03:42:25	2551518541	2551519068	1647
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:43:34	2551536093	2551536620	1647
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 03:44:36	2551552123	2551552650	1647
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:45:45	2551569675	2551570202	1647
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 03:46:48	2551585706	2551586233	1647
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:47:56	2551603256	2551603783	1647
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 03:48:59	2551619287	2551619814	1647
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:50:07	2551636838	2551637365	1647
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 03:51:10	2551652869	2551653396	1647
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:52:19	2551670421	2551670948	1647
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 03:53:21	2551686451	2551686978	1647
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 03:54:30	2551704003	2551704530	1647
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 03:55:32	2551720033	2551720560	1647
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 03:56:41	2551737584	2551738111	1647
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 03:57:44	2551753616	2551754143	1647
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 03:58:52	2551771166	2551771693	1647
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 03:59:55	2551787198	2551787725	1647
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 04:01:03	2551804748	2551805275	1647
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 04:02:06	2551820779	2551821306	1647
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	24-Jun-2002 04:03:14	2551838330	2551838857	1647
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 04:04:17	2551854361	2551854888	1647
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 04:05:26	2551871913	2551872440	1647
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 04:06:28	2551887944	2551888471	1647
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 04:07:37	2551905494	2551906021	1647

## 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
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	24-Jun-2002 04:08:39	2551921526	2551922053	1647
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 04:10:03	2551942917	2551943444	1647
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	24-Jun-2002 04:11:06	2551958949	2551959476	1647
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 04:12:29	2551980340	2551980867	1647
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 04:13:32	2551996372	2551996899	1647
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 04:14:55	2552017764	2552018291	1647
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 04:15:58	2552033794	2552034321	1647
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 04:17:22	2552055188	2552055715	1647
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 04:18:45	2552076578	2552077105	1647
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 04:20:09	2552097970	2552098497	1647
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 04:21:32	2552119362	2552119889	1647
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 04:22:56	2552140754	2552141281	1647
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 04:24:19	2552162147	2552162674	1647
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 04:25:43	2552183538	2552184065	1647
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 04:27:06	2552204930	2552205457	1647
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 04:30:54	2552263227	2552264370	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:31:40	2552275045	2552275572	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:32:24	2552286324	2552286851	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:33:08	2552297605	2552298132	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:33:53	2552308884	2552309411	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:34:37	2552320161	2552320688	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:35:21	2552331440	2552331967	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:36:05	2552342719	2552343246	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:36:49	2552353998	2552354525	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:37:33	2552365278	2552365805	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:38:17	2552376557	2552377084	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:39:01	2552387835	2552388362	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:39:45	2552399114	2552399641	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:40:29	2552410393	2552410920	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:41:13	2552421672	2552422199	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:41:57	2552432951	2552433478	1647
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 04:42:41	2552444230	2552444757	1647
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 04:57:06	2552665540	2552666067	1648
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 04:58:08	2552681571	2552682098	1648
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 04:59:11	2552697602	2552698129	1648
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 05:00:14	2552713634	2552714161	1648
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	24-Jun-2002 05:01:16	2552729664	2552730455	1648
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	24-Jun-2002 05:03:35	2552765233	2552765760	1648
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 05:04:38	2552781263	2552781790	1648
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 05:05:40	2552797294	2552797821	1648
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 05:06:43	2552813326	2552813853	1648
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 05:07:46	2552829356	2552829883	1648
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:08:54	2552846907	2552847434	1648
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 05:09:57	2552862938	2552863465	1648
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:11:05	2552880490	2552881017	1648
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 05:12:08	2552896520	2552897047	1648
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:13:17	2552914071	2552914598	1648
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 05:14:19	2552930102	2552930629	1648
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:15:28	2552947654	2552948181	1648
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 05:16:30	2552963685	2552964212	1648
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:17:39	2552981236	2552981763	1648
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 05:18:42	2552997267	2552997794	1648
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:19:50	2553014817	2553015344	1648
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 05:20:53	2553030848	2553031375	1648
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:22:01	2553048399	2553048926	1648
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 05:23:04	2553064430	2553064957	1648
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:24:12	2553081982	2553082509	1648
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 05:25:15	2553098014	2553098541	1648
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:26:24	2553115563	2553116090	1648



## 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
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 05:27:26	2553131594	2553132121	1648
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:28:35	2553149145	2553149672	1648
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 05:29:37	2553165177	2553165704	1648
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:30:46	2553182728	2553183255	1648
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 05:31:49	2553198759	2553199286	1648
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:32:57	2553216309	2553216836	1648
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 05:34:00	2553232340	2553232867	1648
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 05:35:08	2553249891	2553250418	1648
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 05:36:11	2553265922	2553266449	1648
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 05:37:20	2553283474	2553284001	1648
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 05:38:22	2553299504	2553300031	1648
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 05:39:31	2553317056	2553317583	1648
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 05:40:33	2553333087	2553333614	1648
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 05:41:42	2553350637	2553351164	1648
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 05:42:45	2553366668	2553367195	1648
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	24-Jun-2002 05:43:53	2553384219	2553384746	1648
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 05:44:56	2553400251	2553400778	1648
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 05:46:04	2553417802	2553418329	1648
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 05:47:07	2553433832	2553434359	1648
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 05:48:15	2553451384	2553451911	1648
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	24-Jun-2002 05:49:18	2553467414	2553467941	1648
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 05:50:42	2553488806	2553489333	1648
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	24-Jun-2002 05:51:44	2553504838	2553505365	1648
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	24-Jun-2002 05:53:08	2553526229	2553526756	1648
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 05:54:10	2553542261	2553542788	1648
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 05:55:34	2553563652	2553564179	1648
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 05:56:58	2553585044	2553585571	1648
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 05:58:21	2553606437	2553606964	1648
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 05:59:45	2553627828	2553628355	1648
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 06:01:08	2553649221	2553649748	1648
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 06:02:32	2553670612	2553671139	1648
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 06:03:55	2553692004	2553692531	1648
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 06:05:19	2553713396	2553713923	1648
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	24-Jun-2002 06:06:42	2553734788	2553735315	1648
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 06:11:30	2553808450	2553809593	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:12:16	2553820268	2553820795	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:13:00	2553831547	2553832074	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:13:45	2553842826	2553843353	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:14:29	2553854104	2553854631	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:15:13	2553865383	2553865910	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:15:57	2553876662	2553877189	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:16:41	2553887941	2553888468	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:17:25	2553899220	2553899747	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:18:09	2553910500	2553911027	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:18:53	2553921778	2553922305	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:19:37	2553933057	2553933584	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:20:21	2553944336	2553944863	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:21:05	2553955616	2553956143	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:21:49	2553966894	2553967421	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:22:33	2553978173	2553978700	1648
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 06:23:17	2553989452	2553989979	1648
Bet: MO&C (pointing, long duration)	10	1	Bet_57	57	Low Data Rate (400 kHz)	24-Jun-2002 07:33:52	2555073501	2555074028	1649
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 07:52:06	2555353655	2555354798	1649
1. SF Alignment Moon OBJ 32	18	1	M_SF_1	9	Low Data Rate (400 kHz)	24-Jun-2002 09:14:46	2556623262	2556623789	1650
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 09:32:42	2556898846	2556899989	1650
2. SF Alignment Moon OBJ 32	19	1	M_SF_2	10	Low Data Rate (400 kHz)	24-Jun-2002 10:55:13	2558166215	2558166742	1651
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 11:13:18	2558444031	2558445174	1651
3. SF Alignment Moon OBJ 32	20	1	M_SF_3	11	Low Data Rate (400 kHz)	24-Jun-2002 12:35:40	2559709117	2559709644	1652
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 12:53:54	2559989204	2559990347	1652
4. SF Alignment Moon OBJ 32	21	1	M_SF_4	12	Low Data Rate (400 kHz)	24-Jun-2002 14:16:07	2561251987	2561252514	1653
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 14:34:30	2561534400	2561535543	1653
5. SF Alignment Moon OBJ 32	22	1	M_SF_5	13	Low Data Rate (400 kHz)	24-Jun-2002 15:56:33	2562794854	2562795381	1654
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 16:15:06	2563079627	2563080770	1654

## 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
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 16:41:17	2563481869	2563482396	1655
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 16:42:20	2563497900	2563498427	1655
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 16:43:22	2563513932	2563514459	1655
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 16:44:25	2563529962	2563530489	1655
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	24-Jun-2002 16:45:28	2563545993	2563546784	1655
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	24-Jun-2002 16:57:20	2563728280	2563728807	1655
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 16:58:22	2563744311	2563744838	1655
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 16:59:25	2563760341	2563760868	1655
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 17:00:27	2563776372	2563776899	1655
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 17:01:30	2563792403	2563792930	1655
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:02:39	2563809954	2563810481	1655
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 17:03:41	2563825986	2563826513	1655
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:04:50	2563843536	2563844063	1655
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 17:05:52	2563859567	2563860094	1655
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:07:01	2563877118	2563877645	1655
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 17:08:04	2563893150	2563893677	1655
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:09:12	2563910701	2563911228	1655
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 17:10:15	2563926732	2563927259	1655
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:11:23	2563944283	2563944810	1655
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 17:12:26	2563960314	2563960841	1655
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:13:35	2563977864	2563978391	1655
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 17:14:37	2563993895	2563994422	1655
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:15:46	2564011446	2564011973	1655
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 17:16:48	2564027477	2564028004	1655
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:17:57	2564045029	2564045556	1655
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 17:18:59	2564061059	2564061586	1655
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:20:08	2564078610	2564079137	1655
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 17:21:11	2564094641	2564095168	1655
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:22:19	2564112193	2564112720	1655
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 17:23:22	2564128223	2564128750	1655
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 17:24:30	2564145774	2564146301	1655
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 17:25:33	2564161805	2564162332	1655
Bet: Moon_Nadir_Mirror_Calibration (nominal scanning)	12	1	Bet_55	55	Low Data Rate (400 kHz)	24-Jun-2002 17:36:19	2564327088	2564327615	1655
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 17:55:42	2564624854	2564625997	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 17:56:28	2564636671	2564637198	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 17:57:12	2564647950	2564648477	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 17:57:56	2564659229	2564659756	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 17:58:40	2564670509	2564671036	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 17:59:24	2564681788	2564682315	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:00:08	2564693067	2564693594	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:00:52	2564704346	2564704873	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:01:36	2564715624	2564716151	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:02:20	2564726904	2564727431	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:03:05	2564738182	2564738709	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:03:49	2564749461	2564749988	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:04:33	2564760741	2564761268	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:05:17	2564772019	2564772546	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:06:01	2564783298	2564783825	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:06:45	2564794577	2564795104	1655
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 18:07:29	2564805856	2564806383	1655
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 18:21:53	2565027082	2565027609	1656
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 18:22:56	2565043113	2565043640	1656
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 18:23:58	2565059145	2565059672	1656
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 18:25:01	2565075175	2565075702	1656

## 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
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	24-Jun-2002 18:26:04	2565091206	2565091997	1656
Bet: Limb/Nadir Sequence 2	52	1	Bet_30	30	Low Data Rate (400 kHz)	24-Jun-2002 18:38:29	2565282050	2565282577	1656
Bet: Limb/Nadir Sequence 2	52	2	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 18:39:32	2565298082	2565298609	1656
Bet: Limb/Nadir Sequence 2	52	3	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 18:40:34	2565314114	2565314641	1656
Bet: Limb/Nadir Sequence 2	52	4	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 18:41:37	2565330143	2565330670	1656
Bet: Limb/Nadir Sequence 2	52	5	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 18:42:45	2565347695	2565348222	1656
Bet: Limb/Nadir Sequence 2	52	6	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 18:43:48	2565363726	2565364253	1656
Bet: Limb/Nadir Sequence 2	52	7	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 18:44:57	2565381276	2565381803	1656
Bet: Limb/Nadir Sequence 2	52	8	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 18:45:59	2565397308	2565397835	1656
Bet: Limb/Nadir Sequence 2	52	9	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 18:47:08	2565414858	2565415385	1656
Bet: Limb/Nadir Sequence 2	52	10	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 18:48:10	2565430890	2565431417	1656
Bet: Limb/Nadir Sequence 2	52	11	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 18:49:19	2565448440	2565448967	1656
Bet: Limb/Nadir Sequence 2	52	12	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 18:50:22	2565464471	2565464998	1656
Bet: Limb/Nadir Sequence 2	52	13	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 18:51:30	2565482022	2565482549	1656
Bet: Limb/Nadir Sequence 2	52	14	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 18:52:33	2565498053	2565498580	1656
Bet: Limb/Nadir Sequence 2	52	15	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 18:53:41	2565515604	2565516131	1656
Bet: Limb/Nadir Sequence 2	52	16	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 18:54:44	2565531635	2565532162	1656
Bet: Limb/Nadir Sequence 2	52	17	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 18:55:52	2565549186	2565549713	1656
Bet: Limb/Nadir Sequence 2	52	18	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 18:56:55	2565565218	2565565745	1656
Bet: Limb/Nadir Sequence 2	52	19	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 18:58:04	2565582768	2565583295	1656
Bet: Limb/Nadir Sequence 2	52	20	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 18:59:06	2565598799	2565599326	1656
Bet: Limb/Nadir Sequence 2	52	21	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 19:00:15	2565616350	2565616877	1656
Bet: Limb/Nadir Sequence 2	52	22	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 19:01:17	2565632381	2565632908	1656
Bet: Limb/Nadir Sequence 2	52	23	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 19:02:26	2565649932	2565650459	1656
Bet: Limb/Nadir Sequence 2	52	24	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 19:03:29	2565665963	2565666490	1656
Bet: Limb/Nadir Sequence 2	52	25	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 19:04:37	2565683517	2565684044	1656
Bet: Limb/Nadir Sequence 2	52	26	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 19:05:40	2565699545	2565700072	1656
Bet: MO&C (pointing)	9	1	Bet_56	56	Low Data Rate (400 kHz)	24-Jun-2002 19:16:59	2565873387	2565873914	1656
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 19:36:18	2566170059	2566171202	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:37:04	2566181876	2566182403	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:37:48	2566193156	2566193683	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:38:32	2566204435	2566204962	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:39:16	2566215714	2566216241	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:40:00	2566226993	2566227520	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:40:44	2566238272	2566238799	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:41:28	2566249550	2566250077	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:42:12	2566260830	2566261357	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:42:56	2566272108	2566272635	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:43:40	2566283387	2566283914	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:44:25	2566294666	2566295193	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:45:09	2566305945	2566306472	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:45:53	2566317224	2566317751	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:46:37	2566328503	2566329030	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:47:21	2566339782	2566340309	1656
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	24-Jun-2002 19:48:05	2566351061	2566351588	1656
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 20:02:29	2566572289	2566572816	1657
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 20:03:32	2566588319	2566588846	1657
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 20:04:34	2566604350	2566604877	1657
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 20:05:37	2566620381	2566620908	1657
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	24-Jun-2002 20:06:39	2566636413	2566637204	1657
Bet: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Bet_68	68	High Data Rate (1867 kHz)	24-Jun-2002 20:07:57	2566656342	2566657133	1657
Bet: Sun_Diffuser (ND out)	7	1	Bet_52	52	High Data Rate (1867 kHz)	24-Jun-2002 20:08:30	2566664835	2566666053	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	1	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:10:16	2566691768	2566692295	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	2	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:10:49	2566700359	2566700886	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	3	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:14:13	2566752472	2566752999	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	4	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:14:21	2566754663	2566755190	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	5	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:14:55	2566763255	2566763782	1657

## 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
Bet: Monthly_Special_Calibration_Orbit_2/3	60	6	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:18:19	2566815367	2566815894	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	7	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:18:27	2566817560	2566818087	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	8	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:19:01	2566826150	2566826677	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	9	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:22:24	2566878263	2566878790	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	10	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:22:33	2566880454	2566880981	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	11	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:23:06	2566889044	2566889571	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	12	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:26:30	2566941158	2566941685	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	13	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:26:38	2566943349	2566943876	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	14	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:27:12	2566951940	2566952467	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	15	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:30:36	2567004053	2567004580	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	16	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:30:44	2567006244	2567006771	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	17	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:31:18	2567014834	2567015361	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	18	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:34:41	2567066948	2567067475	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	19	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:34:50	2567069139	2567069666	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	20	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:35:23	2567077729	2567078256	1657
Bet: Monthly_Special_Calibration_Orbit_2/3	60	21	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:38:47	2567129842	2567130369	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	1	Bet_58	58	Low Data Rate (400 kHz)	24-Jun-2002 20:40:02	2567149057	2567150095	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	2	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:40:30	2567156342	2567156869	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	3	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:41:04	2567164933	2567165460	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	4	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:44:28	2567217046	2567217573	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	5	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:44:36	2567219238	2567219765	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	6	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:45:10	2567227828	2567228355	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	7	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:48:33	2567279942	2567280469	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	8	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:48:42	2567282133	2567282660	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	9	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:49:15	2567290723	2567291250	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	10	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:52:39	2567342836	2567343363	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	11	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:52:47	2567345027	2567345554	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	12	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:53:21	2567353618	2567354145	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	13	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 20:56:45	2567405731	2567406258	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	14	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 20:56:53	2567407923	2567408450	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	15	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 20:57:27	2567416514	2567417041	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	16	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:00:50	2567468626	2567469153	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	17	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:00:59	2567470817	2567471344	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	18	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:01:32	2567479408	2567479935	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	19	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:04:56	2567531521	2567532048	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	20	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:05:05	2567533713	2567534240	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	21	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:05:38	2567542304	2567542831	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	22	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:09:02	2567594417	2567594944	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	23	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:09:10	2567596607	2567597134	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	24	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:09:44	2567605198	2567605725	1657
Bet: Monthly_Special_Calibration_Orbit_2	61	25	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:13:07	2567657311	2567657838	1657
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 21:16:54	2567715244	2567716387	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	1	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:17:40	2567727061	2567727588	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	2	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:18:13	2567735651	2567736178	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	3	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:21:37	2567787764	2567788291	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	4	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:21:45	2567789955	2567790482	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	5	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:22:19	2567798546	2567799073	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	6	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:25:43	2567850660	2567851187	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	7	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:25:51	2567852851	2567853378	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	8	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:26:25	2567861441	2567861968	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	9	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:29:48	2567913554	2567914081	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	10	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:29:57	2567915745	2567916272	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	11	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:30:30	2567924336	2567924863	1657

## 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
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	12	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:33:54	2567976449	2567976976	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	13	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:34:03	2567978640	2567979167	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	14	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:34:36	2567987232	2567987759	1657
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	15	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:38:00	2568039345	2568039872	1657
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 21:43:05	2568117472	2568117999	1658
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 21:44:07	2568133503	2568134030	1658
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 21:45:10	2568149535	2568150062	1658
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 21:46:13	2568165565	2568166092	1658
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	24-Jun-2002 21:47:15	2568181596	2568182387	1658
Bet: Sun_Nadir_Mirror_Calibration (pointing)	5	1	Bet_64	64	High Data Rate (1867 kHz)	24-Jun-2002 21:48:33	2568201526	2568202317	1658
Bet: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	24-Jun-2002 21:49:06	2568210019	2568211237	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	1	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:50:52	2568237018	2568237545	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	2	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:51:25	2568245609	2568246136	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	3	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:54:49	2568297722	2568298249	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	4	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:54:58	2568299914	2568300441	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	5	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:55:31	2568308505	2568309032	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	6	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 21:58:55	2568360618	2568361145	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	7	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 21:59:03	2568362809	2568363336	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	8	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 21:59:37	2568371400	2568371927	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	9	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:03:00	2568423512	2568424039	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	10	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:03:09	2568425703	2568426230	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	11	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:03:42	2568434294	2568434821	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	12	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:07:06	2568486408	2568486935	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	13	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:07:15	2568488599	2568489126	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	14	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:07:48	2568497190	2568497717	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	15	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:11:12	2568549302	2568549829	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	16	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:11:20	2568551493	2568552020	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	17	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:11:54	2568560084	2568560611	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	18	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:15:17	2568612197	2568612724	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	19	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:15:26	2568614389	2568614916	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	20	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:15:59	2568622980	2568623507	1658
Bet: Monthly_Special_Calibration_Orbit_2/3	60	21	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:19:23	2568675092	2568675619	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	1	Bet_53	53	Low Data Rate (400 kHz)	24-Jun-2002 22:20:38	2568694232	2568695270	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	2	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:21:06	2568701518	2568702045	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	3	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:21:40	2568710109	2568710636	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	4	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:25:03	2568762223	2568762750	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	5	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:25:12	2568764413	2568764940	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	6	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:25:46	2568773004	2568773531	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	7	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:29:09	2568825118	2568825645	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	8	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:29:18	2568827308	2568827835	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	9	Bet_69	69	Low Data Rate (400 kHz)	24-Jun-2002 22:29:51	2568835899	2568837173	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	10	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:31:21	2568858831	2568859358	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	11	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:34:44	2568910945	2568911472	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	12	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:34:53	2568913136	2568913663	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	13	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:35:26	2568921727	2568922254	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	14	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:38:50	2568973839	2568974366	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	15	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:38:59	2568976031	2568976558	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	16	Bet_70	70	Low Data Rate (400 kHz)	24-Jun-2002 22:39:32	2568984622	2568985896	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	17	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:41:02	2569007743	2569008270	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	18	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:44:26	2569059856	2569060383	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	19	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:44:35	2569062047	2569062574	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	20	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:45:08	2569070639	2569071166	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	21	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:48:32	2569122751	2569123278	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	22	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:48:40	2569124942	2569125469	1658

## 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
Bet: Monthly_Special_Calibration_Orbit_3	62	23	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:49:14	2569133533	2569134060	1658
Bet: Monthly_Special_Calibration_Orbit_3	62	24	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 22:52:37	2569185646	2569186173	1658
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	24-Jun-2002 22:57:29	2569260422	2569261565	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	1	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 22:58:16	2569272239	2569272766	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	2	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 22:58:49	2569280830	2569281357	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	3	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 23:02:13	2569332943	2569333470	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	4	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 23:02:21	2569335135	2569335662	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	5	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 23:02:55	2569343726	2569344253	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	6	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 23:06:18	2569395838	2569396365	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	7	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 23:06:27	2569398030	2569398557	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	8	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 23:07:01	2569406620	2569407147	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	9	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 23:10:24	2569458733	2569459260	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	10	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 23:10:33	2569460925	2569461452	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	11	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 23:11:06	2569469515	2569470042	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	12	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 23:14:30	2569521628	2569522155	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	13	Bet_63	63	Low Data Rate (400 kHz)	24-Jun-2002 23:14:38	2569523819	2569524346	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	14	Bet_67	67	Low Data Rate (400 kHz)	24-Jun-2002 23:15:12	2569532410	2569532937	1658
Ecl_beg_ecl_end_cal_monthly_spec_orb2• Ecl_beg_ecl_end_cal_monthly_spec_orb2	37	15	Bet_46	46	Low Data Rate (400 kHz)	24-Jun-2002 23:18:36	2569584524	2569585051	1658
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 23:23:41	2569662649	2569663176	1659
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 23:24:43	2569678680	2569679207	1659
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 23:25:46	2569694711	2569695238	1659
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	24-Jun-2002 23:26:49	2569710742	2569711269	1659
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	24-Jun-2002 23:27:51	2569726774	2569727565	1659
Bet: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Bet_68	68	High Data Rate (1867 kHz)	24-Jun-2002 23:29:09	2569746705	2569747496	1659
Bet: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	24-Jun-2002 23:29:42	2569755198	2569756416	1659
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	24-Jun-2002 23:30:25	2569766261	2569766788	1659
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 23:31:28	2569782293	2569782820	1659
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 23:32:31	2569798323	2569798850	1659
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	24-Jun-2002 23:33:33	2569814354	2569814881	1659
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	24-Jun-2002 23:34:36	2569830385	2569830912	1659
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:35:44	2569847936	2569848463	1659
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	24-Jun-2002 23:36:47	2569863969	2569864496	1659
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:37:56	2569881518	2569882045	1659
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 23:38:58	2569897549	2569898076	1659
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:40:07	2569915101	2569915628	1659
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 23:41:09	2569931131	2569931658	1659
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:42:18	2569948682	2569949209	1659
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 23:43:21	2569964714	2569965241	1659
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:44:29	2569982264	2569982791	1659
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 23:45:32	2569998295	2569998822	1659
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:46:40	2570015846	2570016373	1659
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 23:47:43	2570031877	2570032404	1659
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:48:52	2570049428	2570049955	1659

## 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
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 23:49:54	2570065460	2570065987	1659
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:51:03	2570083010	2570083537	1659
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 23:52:05	2570099041	2570099568	1659
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:53:14	2570116593	2570117120	1659
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	24-Jun-2002 23:54:17	2570132623	2570133150	1659
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:55:25	2570150176	2570150703	1659
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 23:56:28	2570166205	2570166732	1659
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:57:36	2570183756	2570184283	1659
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	24-Jun-2002 23:58:39	2570199787	2570200314	1659
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	24-Jun-2002 23:59:47	2570217338	2570217865	1659
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 00:00:50	2570233372	2570233899	1659
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 00:01:59	2570250920	2570251447	1659
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 00:03:01	2570266951	2570267478	1659
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 00:04:10	2570284503	2570285030	1659
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 00:05:12	2570300533	2570301060	1659
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 00:06:21	2570318085	2570318612	1659
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 00:07:24	2570334116	2570334643	1659
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 00:08:32	2570351666	2570352193	1659
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 00:09:35	2570367698	2570368225	1659
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 00:10:43	2570385248	2570385775	1659
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 00:11:46	2570401280	2570401807	1659
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 00:12:55	2570418831	2570419358	1659
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 00:13:57	2570434862	2570435389	1659
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 00:15:06	2570452412	2570452939	1659
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	25-Jun-2002 00:16:08	2570468443	2570468970	1659
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 00:17:32	2570489836	2570490363	1659
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	25-Jun-2002 00:18:35	2570505866	2570506393	1659
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 00:19:58	2570527260	2570527787	1659
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 00:21:01	2570543289	2570543816	1659
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 00:22:24	2570564681	2570565208	1659
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 00:23:48	2570586073	2570586600	1659
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 00:25:11	2570607466	2570607993	1659
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 00:26:35	2570628858	2570629385	1659
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 00:27:59	2570650249	2570650776	1659
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 00:29:22	2570671642	2570672169	1659
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 00:30:46	2570693033	2570693560	1659
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 00:32:09	2570714426	2570714953	1659
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 00:33:33	2570735817	2570736344	1659
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 00:38:05	2570805600	2570806743	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:38:52	2570817418	2570817945	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:39:36	2570828697	2570829224	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:40:20	2570839976	2570840503	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:41:04	2570851255	2570851782	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:41:48	2570862534	2570863061	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:42:32	2570873813	2570874340	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:43:16	2570885093	2570885620	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:44:00	2570896372	2570896899	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:44:44	2570907650	2570908177	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:45:28	2570918930	2570919457	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:46:12	2570930209	2570930736	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:46:56	2570941487	2570942014	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:47:40	2570952766	2570953293	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:48:24	2570964046	2570964573	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:49:08	2570975324	2570975851	1659
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 00:49:52	2570986603	2570987130	1659
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 01:04:17	2571207820	2571208347	1660
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 01:05:19	2571223851	2571224378	1660
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 01:06:22	2571239883	2571240410	1660
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 01:07:24	2571255913	2571256440	1660

## 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
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	25-Jun-2002 01:08:27	2571271945	2571272736	1660
Bet: Sun_Nadir_Mirror_Calibration (pointing)	5	1	Bet_64	64	High Data Rate (1867 kHz)	25-Jun-2002 01:09:45	2571291876	2571292667	1660
Bet: ASM: Sun_Diffuser	49	1	Bet_ASM_DIF	17	High Data Rate (1867 kHz)	25-Jun-2002 01:10:18	2571300377	2571301595	1660
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 01:11:01	2571311440	2571311967	1660
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 01:12:04	2571327471	2571327998	1660
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 01:13:07	2571343502	2571344029	1660
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 01:14:09	2571359533	2571360060	1660
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:15:33	2571380925	2571381452	1660
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 01:16:35	2571396956	2571397483	1660
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:17:59	2571418348	2571418875	1660
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	25-Jun-2002 01:19:02	2571434379	2571434906	1660
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:20:25	2571455771	2571456298	1660
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	25-Jun-2002 01:21:28	2571471803	2571472330	1660
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:22:51	2571493194	2571493721	1660
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 01:23:54	2571509225	2571509752	1660
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:25:02	2571526776	2571527303	1660
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 01:26:05	2571542808	2571543335	1660
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:27:14	2571560358	2571560885	1660
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 01:28:16	2571576389	2571576916	1660
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:29:25	2571593941	2571594468	1660
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 01:30:27	2571609971	2571610498	1660
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:31:36	2571627523	2571628050	1660
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 01:32:39	2571643553	2571644080	1660
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:33:47	2571661104	2571661631	1660
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 01:34:50	2571677135	2571677662	1660
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:35:58	2571694686	2571695213	1660
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 01:37:01	2571710717	2571711244	1660
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:38:10	2571728268	2571728795	1660
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 01:39:12	2571744299	2571744826	1660
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:40:21	2571761851	2571762378	1660
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 01:41:23	2571777881	2571778408	1660
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 01:42:32	2571795433	2571795960	1660
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 01:43:35	2571811464	2571811991	1660
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 01:44:43	2571829015	2571829542	1660
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 01:45:46	2571845046	2571845573	1660
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 01:46:54	2571862596	2571863123	1660
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 01:47:57	2571878628	2571879155	1660
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 01:49:05	2571896178	2571896705	1660
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 01:50:08	2571912210	2571912737	1660
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 01:51:17	2571929761	2571930288	1660
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 01:52:19	2571945792	2571946319	1660
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 01:53:28	2571963342	2571963869	1660
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 01:54:30	2571979373	2571979900	1660
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 01:55:39	2571996924	2571997451	1660
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	25-Jun-2002 01:56:42	2572012956	2572013483	1660
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 01:58:05	2572034347	2572034874	1660
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	25-Jun-2002 01:59:08	2572050378	2572050905	1660
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 02:00:31	2572071770	2572072297	1660
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 02:01:34	2572087801	2572088328	1660
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 02:02:58	2572109193	2572109720	1660
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 02:04:00	2572125224	2572125751	1660
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 02:05:24	2572146616	2572147143	1660
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 02:06:47	2572168008	2572168535	1660
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 02:08:11	2572189400	2572189927	1660
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 02:09:34	2572210792	2572211319	1660
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 02:10:58	2572232185	2572232712	1660
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 02:12:22	2572253577	2572254104	1660
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 02:13:45	2572274968	2572275495	1660
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 02:15:09	2572296360	2572296887	1660
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 02:18:41	2572350806	2572351949	1660
Bet: Weekly_Calibration_Eclipse	56	1	Bet_46	46	Low Data Rate (400 kHz)	25-Jun-2002 02:19:27	2572362623	2572363150	1660
Bet: Weekly_Calibration_Eclipse	56	2	Bet_63	63	Low Data Rate (400 kHz)	25-Jun-2002 02:19:36	2572364815	2572365342	1660



## 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
Bet: Weekly_Calibration_Eclipse	56	3	Bet_67	67	Low Data Rate (400 kHz)	25-Jun-2002 02:20:10	2572373406	2572373933	1660
Bet: Weekly_Calibration_Eclipse	56	4	Bet_59	59	Low Data Rate (400 kHz)	25-Jun-2002 02:23:33	2572425518	2572426792	1660
Bet: Weekly_Calibration_Eclipse	56	5	Bet_46	46	Low Data Rate (400 kHz)	25-Jun-2002 02:23:55	2572431041	2572431568	1660
Bet: Weekly_Calibration_Eclipse	56	6	Bet_63	63	Low Data Rate (400 kHz)	25-Jun-2002 02:24:03	2572433232	2572433759	1660
Bet: Weekly_Calibration_Eclipse	56	7	Bet_67	67	Low Data Rate (400 kHz)	25-Jun-2002 02:24:37	2572441823	2572442350	1660
Bet: Weekly_Calibration_Eclipse	56	8	Bet_46	46	Low Data Rate (400 kHz)	25-Jun-2002 02:28:00	2572493936	2572494463	1660
Bet: Weekly_Calibration_Eclipse	56	9	Bet_63	63	Low Data Rate (400 kHz)	25-Jun-2002 02:28:09	2572496128	2572496655	1660
Bet: Weekly_Calibration_Eclipse	56	10	Bet_67	67	Low Data Rate (400 kHz)	25-Jun-2002 02:28:43	2572504719	2572505246	1660
Bet: Weekly_Calibration_Eclipse	56	11	Bet_61	61	Low Data Rate (400 kHz)	25-Jun-2002 02:32:06	2572556831	2572558237	1660
Bet: Weekly_Calibration_Eclipse	56	12	Bet_46	46	Low Data Rate (400 kHz)	25-Jun-2002 02:32:29	2572562809	2572563336	1660
Bet: Weekly_Calibration_Eclipse	56	13	Bet_63	63	Low Data Rate (400 kHz)	25-Jun-2002 02:32:38	2572565000	2572565527	1660
Bet: Weekly_Calibration_Eclipse	56	14	Bet_67	67	Low Data Rate (400 kHz)	25-Jun-2002 02:33:12	2572573591	2572574118	1660
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 03:59:17	2573896030	2573897173	1661
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 04:25:24	2574297198	2574297725	1662
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 04:26:27	2574313231	2574313758	1662
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 04:27:30	2574329260	2574329787	1662
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 04:28:32	2574345292	2574345819	1662
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Bet_51	51	High Data Rate (1867 kHz)	25-Jun-2002 04:29:35	2574361322	2574362113	1662
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 04:30:48	2574379995	2574380522	1662
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 04:31:50	2574396026	2574396553	1662
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 04:32:53	2574412058	2574412585	1662
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 04:33:56	2574428088	2574428615	1662
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 04:34:58	2574444119	2574444646	1662
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:36:07	2574461670	2574462197	1662
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 04:37:09	2574477702	2574478229	1662
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:38:18	2574495253	2574495780	1662
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 04:39:21	2574511283	2574511810	1662
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:40:29	2574528835	2574529362	1662
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 04:41:32	2574544865	2574545392	1662
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:42:40	2574562416	2574562943	1662
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 04:43:43	2574578448	2574578975	1662
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:44:52	2574595998	2574596525	1662
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 04:45:54	2574612029	2574612556	1662
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:47:03	2574629580	2574630107	1662
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 04:48:05	2574645612	2574646139	1662
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:49:14	2574663164	2574663691	1662
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 04:50:17	2574679193	2574679720	1662
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:51:25	2574696744	2574697271	1662
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 04:52:28	2574712776	2574713303	1662
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:53:36	2574730326	2574730853	1662
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 04:54:39	2574746359	2574746886	1662
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:55:47	2574763909	2574764436	1662
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 04:56:50	2574779940	2574780467	1662
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 04:57:59	2574797490	2574798017	1662
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 04:59:01	2574813522	2574814049	1662
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 05:00:10	2574831072	2574831599	1662
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 05:01:12	2574847103	2574847630	1662
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 05:02:21	2574864654	2574865181	1662
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 05:03:24	2574880686	2574881213	1662
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 05:04:32	2574898236	2574898763	1662
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 05:05:35	2574914267	2574914794	1662
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 05:06:43	2574931818	2574932345	1662
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 05:07:46	2574947850	2574948377	1662
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 05:08:55	2574965401	2574965928	1662
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 05:09:57	2574981431	2574981958	1662
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 05:11:06	2574998982	2574999509	1662
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 05:12:08	2575015013	2575015540	1662
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 05:13:17	2575032565	2575033092	1662
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 05:14:20	2575048595	2575049122	1662

## 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
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 05:15:28	2575066146	2575066673	1662
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	25-Jun-2002 05:16:31	2575082178	2575082705	1662
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 05:17:54	2575103569	2575104096	1662
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	25-Jun-2002 05:18:57	2575119601	2575120128	1662
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 05:20:20	2575140992	2575141519	1662
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 05:21:23	2575157024	2575157551	1662
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 05:22:47	2575178416	2575178943	1662
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 05:24:10	2575199807	2575200334	1662
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 05:25:34	2575221200	2575221727	1662
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 05:26:57	2575242591	2575243118	1662
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 05:28:21	2575263984	2575264511	1662
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 05:29:44	2575285375	2575285902	1662
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 05:31:08	2575306767	2575307294	1662
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 05:32:32	2575328159	2575328686	1662
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 05:33:55	2575349551	2575350078	1662
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 05:39:53	2575441256	2575442399	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:40:40	2575453072	2575453599	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:41:24	2575464351	2575464878	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:42:08	2575475630	2575476157	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:42:52	2575486910	2575487437	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:43:36	2575498189	2575498716	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:44:20	2575509467	2575509994	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:45:04	2575520747	2575521274	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:45:48	2575532026	2575532553	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:46:32	2575543304	2575543831	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:47:16	2575554583	2575555110	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:48:00	2575565862	2575566389	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:48:44	2575577141	2575577668	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:49:28	2575588420	2575588947	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:50:12	2575599700	2575600227	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:50:56	2575610978	2575611505	1662
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 05:51:40	2575622257	2575622784	1662
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 06:06:00	2575842420	2575842947	1663
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 06:07:03	2575858452	2575858979	1663
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 06:08:06	2575874482	2575875009	1663
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 06:09:08	2575890513	2575891040	1663
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Bet_51	51	High Data Rate (1867 kHz)	25-Jun-2002 06:10:11	2575906545	2575907336	1663
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 06:11:24	2575925218	2575925745	1663
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 06:12:26	2575941249	2575941776	1663
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 06:13:29	2575957280	2575957807	1663
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 06:14:32	2575973311	2575973838	1663
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:15:55	2575994704	2575995231	1663
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 06:16:58	2576010735	2576011262	1663
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:18:21	2576032126	2576032653	1663
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	25-Jun-2002 06:19:24	2576048157	2576048684	1663
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:20:48	2576069550	2576070077	1663
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	25-Jun-2002 06:21:50	2576085581	2576086108	1663
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:23:14	2576106972	2576107499	1663
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 06:24:16	2576123003	2576123530	1663
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:25:25	2576140554	2576141081	1663
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 06:26:28	2576156586	2576157113	1663
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:27:36	2576174137	2576174664	1663
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 06:28:39	2576190168	2576190695	1663
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:29:47	2576207718	2576208245	1663
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 06:30:50	2576223749	2576224276	1663
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:31:59	2576241301	2576241828	1663
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 06:33:01	2576257331	2576257858	1663
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:34:10	2576274882	2576275409	1663
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 06:35:12	2576290913	2576291440	1663

## 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
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:36:21	2576308465	2576308992	1663
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 06:37:24	2576324496	2576325023	1663
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:38:32	2576342047	2576342574	1663
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 06:39:35	2576358077	2576358604	1663
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:40:43	2576375628	2576376155	1663
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 06:41:46	2576391660	2576392187	1663
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 06:42:54	2576409210	2576409737	1663
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 06:43:57	2576425241	2576425768	1663
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 06:45:06	2576442792	2576443319	1663
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 06:46:08	2576458823	2576459350	1663
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 06:47:17	2576476374	2576476901	1663
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 06:48:19	2576492406	2576492933	1663
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 06:49:28	2576509956	2576510483	1663
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 06:50:31	2576525988	2576526515	1663
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 06:51:39	2576543539	2576544066	1663
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 06:52:42	2576559570	2576560097	1663
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 06:53:50	2576577120	2576577647	1663
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 06:54:53	2576593152	2576593679	1663
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 06:56:02	2576611070	2576611230	1663
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	25-Jun-2002 06:57:04	2576626734	2576627261	1663
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 06:58:28	2576648125	2576648652	1663
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	25-Jun-2002 06:59:30	2576664156	2576664683	1663
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 07:00:54	2576685548	2576686075	1663
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 07:01:57	2576701579	2576702106	1663
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	25-Jun-2002 07:03:20	2576722972	2576723499	1663
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 07:04:23	2576739002	2576739529	1663
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 07:05:46	2576760394	2576760921	1663
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 07:07:10	2576781786	2576782313	1663
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 07:08:33	2576803179	2576803706	1663
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 07:09:57	2576824571	2576825098	1663
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 07:11:21	2576845962	2576846489	1663
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 07:12:44	2576867354	2576867881	1663
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 07:14:08	2576888746	2576889273	1663
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	25-Jun-2002 07:15:31	2576910138	2576910665	1663
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 07:20:29	2576986472	2576987615	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:21:16	2576998290	2576998817	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:22:00	2577009569	2577010096	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:22:44	2577020848	2577021375	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:23:28	2577032128	2577032655	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:24:12	2577043406	2577043933	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:24:56	2577054686	2577055213	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:25:40	2577065965	2577066492	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:26:24	2577077244	2577077771	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:27:08	2577088523	2577089050	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:27:52	2577099801	2577100328	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:28:36	2577111080	2577111607	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:29:20	2577122359	2577122886	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:30:04	2577133638	2577134165	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:30:48	2577144918	2577145445	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:31:32	2577156197	2577156724	1663
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 07:32:16	2577167475	2577168002	1663
Bet: MO&C (pointing, long duration)	10	1	Bet_57	57	Low Data Rate (400 kHz)	25-Jun-2002 08:40:22	2578213258	2578213785	1664
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 09:01:05	2578531668	2578532811	1664
1. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	15	1	M_IFOV_ASM	22	Low Data Rate (400 kHz)	25-Jun-2002 10:21:34	2579767888	2579768415	1665
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 10:41:41	2580076851	2580077994	1665
2. IFOV/Coalignment/Polarisation/Wavelength OBJ 81/95/97/156	16	1	M_IFOV_ESM	34	Low Data Rate (400 kHz)	25-Jun-2002 12:01:59	2581310143	2581310670	1666
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 12:22:17	2581622028	2581623171	1666
Limb TCFOV moon OBJ 105	17	1	M_TCFOV	14	Low Data Rate (400 kHz)	25-Jun-2002 13:41:06	2582832576	2582833103	1667
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 14:02:53	2583167216	2583168359	1667
Timing of Sun Fixed Event Moon OBJ 62	23	1	M_SF_6	21	Low Data Rate (400 kHz)	25-Jun-2002 15:22:28	2584389672	2584390199	1668

## 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	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 15:43:29	2584712436	2584713579	1668
Timing of Sun Fixed Event Moon OBJ 62	23	1	M_SF_6	21	Low Data Rate (400 kHz)	25-Jun-2002 17:02:52	2585931771	2585932298	1669
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 17:24:05	2586257669	2586258812	1669
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 17:50:16	2586659779	2586660306	1670
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 17:51:18	2586675811	2586676338	1670
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 17:52:21	2586691842	2586692369	1670
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 17:53:24	2586707872	2586708399	1670
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	25-Jun-2002 17:54:26	2586723903	2586724694	1670
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 18:05:02	2586886553	2586887080	1670
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 18:06:04	2586902584	2586903111	1670
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 18:07:07	2586918615	2586919142	1670
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 18:08:09	2586934647	2586935174	1670
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 18:09:12	2586950677	2586951204	1670
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:10:21	2586968229	2586968756	1670
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 18:11:23	2586984260	2586984787	1670
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:12:32	2587001810	2587002337	1670
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 18:13:34	2587017841	2587018368	1670
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:14:43	2587035392	2587035919	1670
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 18:15:46	2587051423	2587051950	1670
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:16:54	2587068975	2587069502	1670
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 18:17:57	2587085005	2587085532	1670
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:19:05	2587102556	2587103083	1670
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 18:20:08	2587118587	2587119114	1670
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:21:17	2587136138	2587136665	1670
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 18:22:19	2587152169	2587152696	1670
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:23:28	2587169721	2587170248	1670
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 18:24:30	2587185751	2587186278	1670
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:25:39	2587203303	2587203830	1670
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 18:26:41	2587219334	2587219861	1670
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:27:50	2587236884	2587237411	1670
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 18:28:53	2587252916	2587253443	1670
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:30:01	2587270466	2587270993	1670
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 18:31:04	2587286498	2587287025	1670
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 18:32:12	2587304049	2587304576	1670
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 18:33:15	2587320079	2587320606	1670
Bet: MO&C (pointing)	9	1	Bet_56	56	Low Data Rate (400 kHz)	25-Jun-2002 18:42:44	2587465727	2587466254	1670
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 19:04:41	2587802882	2587804025	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:05:27	2587814699	2587815226	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:06:11	2587825979	2587826506	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:06:55	2587837257	2587837784	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:07:39	2587848537	2587849064	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:08:23	2587859816	2587860343	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:09:07	2587871094	2587871621	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:09:51	2587882373	2587882900	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:10:36	2587893652	2587894179	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:11:20	2587904933	2587905460	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:12:04	2587916212	2587916739	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:12:48	2587927489	2587928016	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:13:32	2587938768	2587939295	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:14:16	2587950047	2587950574	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:15:00	2587961326	2587961853	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:15:44	2587972605	2587973132	1670
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 19:16:28	2587983884	2587984411	1670
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 19:30:52	2588204992	2588205519	1671
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 19:31:54	2588221023	2588221550	1671
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 19:32:57	2588237054	2588237581	1671

## 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
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 19:34:00	2588253088	2588253615	1671
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	25-Jun-2002 19:35:02	2588269116	2588269907	1671
Bet: Limb/Nadir Sequence 2	52	1	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 19:45:55	2588436294	2588436821	1671
Bet: Limb/Nadir Sequence 2	52	2	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 19:46:58	2588452325	2588452852	1671
Bet: Limb/Nadir Sequence 2	52	3	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 19:48:00	2588468357	2588468884	1671
Bet: Limb/Nadir Sequence 2	52	4	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 19:49:03	2588484387	2588484914	1671
Bet: Limb/Nadir Sequence 2	52	5	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 19:50:12	2588501939	2588502466	1671
Bet: Limb/Nadir Sequence 2	52	6	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 19:51:14	2588517969	2588518496	1671
Bet: Limb/Nadir Sequence 2	52	7	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 19:52:23	2588535520	2588536047	1671
Bet: Limb/Nadir Sequence 2	52	8	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 19:53:25	2588551552	2588552079	1671
Bet: Limb/Nadir Sequence 2	52	9	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 19:54:34	2588569102	2588569629	1671
Bet: Limb/Nadir Sequence 2	52	10	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 19:55:37	2588585134	2588585661	1671
Bet: Limb/Nadir Sequence 2	52	11	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 19:56:45	2588602684	2588603211	1671
Bet: Limb/Nadir Sequence 2	52	12	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 19:57:48	2588618715	2588619242	1671
Bet: Limb/Nadir Sequence 2	52	13	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 19:58:56	2588636266	2588636793	1671
Bet: Limb/Nadir Sequence 2	52	14	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 19:59:59	2588652297	2588652824	1671
Bet: Limb/Nadir Sequence 2	52	15	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 20:01:08	2588669849	2588670376	1671
Bet: Limb/Nadir Sequence 2	52	16	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 20:02:10	2588685879	2588686406	1671
Bet: Limb/Nadir Sequence 2	52	17	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 20:03:19	2588703430	2588703957	1671
Bet: Limb/Nadir Sequence 2	52	18	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 20:04:21	2588719461	2588719988	1671
Bet: Limb/Nadir Sequence 2	52	19	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 20:05:30	2588737012	2588737539	1671
Bet: Limb/Nadir Sequence 2	52	20	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 20:06:33	2588753043	2588753570	1671
Bet: Limb/Nadir Sequence 2	52	21	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 20:07:41	2588770594	2588771121	1671
Bet: Limb/Nadir Sequence 2	52	22	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 20:08:44	2588786626	2588787153	1671
Bet: Limb/Nadir Sequence 2	52	23	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 20:09:52	2588804176	2588804703	1671
Bet: Limb/Nadir Sequence 2	52	24	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 20:10:55	2588820207	2588820734	1671
Bet: Limb/Nadir Sequence 2	52	25	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 20:12:03	2588837759	2588838286	1671
Bet: Limb/Nadir Sequence 2	52	26	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 20:13:06	2588853789	2588854316	1671
Bet: Moon_Nadir_Mirror_Calibration (nominal scanning)	12	1	Bet_55	55	Low Data Rate (400 kHz)	25-Jun-2002 20:22:53	2589003963	2589004490	1671
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 20:45:17	2589348073	2589349216	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:46:03	2589359890	2589360417	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:46:47	2589371169	2589371696	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:47:31	2589382448	2589382975	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:48:15	2589393728	2589394255	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:48:59	2589405007	2589405534	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:49:43	2589416285	2589416812	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:50:27	2589427564	2589428091	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:51:11	2589438843	2589439370	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:51:56	2589450122	2589450649	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:52:40	2589461402	2589461929	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:53:24	2589472681	2589473208	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:54:08	2589483959	2589484486	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:54:52	2589495238	2589495765	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:55:36	2589506517	2589507044	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:56:20	2589517796	2589518323	1671
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	25-Jun-2002 20:57:04	2589529075	2589529602	1671
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 21:11:28	2589750184	2589750711	1672
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 21:12:30	2589766215	2589766742	1672
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 21:13:33	2589782245	2589782772	1672
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 21:14:35	2589798276	2589798803	1672
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	25-Jun-2002 21:15:38	2589814307	2589815098	1672
Bet: Sun_Calibration (fast sweep scanning)	3	1	Bet_50	50	High Data Rate (1867 kHz)	25-Jun-2002 21:16:56	2589834245	2589835036	1672
Bet: Sun_Diffuser (ND out)	7	1	Bet_52	52	High Data Rate (1867 kHz)	25-Jun-2002 21:17:29	2589842737	2589843955	1672
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 21:26:07	2589975425	2589975952	1672
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 21:27:10	2589991457	2589991984	1672
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 21:28:13	2590007487	2590008014	1672

## 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
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 21:29:15	2590023518	2590024045	1672
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 21:30:18	2590039549	2590040076	1672
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:31:27	2590057101	2590057628	1672
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 21:32:29	2590073132	2590073659	1672
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:33:38	2590090682	2590091209	1672
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 21:34:40	2590106713	2590107240	1672
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:35:49	2590124264	2590124791	1672
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 21:36:51	2590140295	2590140822	1672
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:38:00	2590157847	2590158374	1672
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 21:39:03	2590173877	2590174404	1672
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:40:11	2590191428	2590191955	1672
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 21:41:14	2590207460	2590207987	1672
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:42:22	2590225010	2590225537	1672
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 21:43:25	2590241042	2590241569	1672
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:44:34	2590258593	2590259120	1672
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 21:45:36	2590274623	2590275150	1672
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:46:45	2590292175	2590292702	1672
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 21:47:47	2590308205	2590308732	1672
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:48:56	2590325756	2590326283	1672
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 21:49:59	2590341788	2590342315	1672
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:51:07	2590359338	2590359865	1672
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 21:52:10	2590375370	2590375897	1672
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 21:53:18	2590392921	2590393448	1672
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 21:54:21	2590408951	2590409478	1672
Bet: MO&C (pointing)	9	1	Bet_56	56	Low Data Rate (400 kHz)	25-Jun-2002 22:03:29	2590549278	2590549805	1672
Bet: Moon_Calibration (nominal scanning)	11	1	Bet_54	54	Low Data Rate (400 kHz)	25-Jun-2002 22:04:42	2590568026	2590568553	1672
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	25-Jun-2002 22:25:53	2590893251	2590894394	1672
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	1	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 22:52:03	2591295360	2591295887	1673
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	2	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 22:53:06	2591311392	2591311919	1673
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	3	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 22:54:09	2591327422	2591327949	1673
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	4	Bet_29	29	Low Data Rate (400 kHz)	25-Jun-2002 22:55:11	2591343453	2591343980	1673
Bet: Limb sequence incl. SO&C (nominal scanning/pointing)	2	5	Bet_47	47	High Data Rate (1867 kHz)	25-Jun-2002 22:56:14	2591359484	2591360275	1673
Bet: Sun_Nadir_Mirror_Calibration (fast sweep scanning)	4	1	Bet_68	68	High Data Rate (1867 kHz)	25-Jun-2002 22:57:32	2591379421	2591380212	1673
Bet: ESM: Sun_Diffuser (ND in)	8	1	Bet_62	62	High Data Rate (1867 kHz)	25-Jun-2002 22:58:05	2591387784	2591389134	1673
Bet: Limb/Nadir Sequence 2	52	1	Bet_30	30	Low Data Rate (400 kHz)	25-Jun-2002 23:07:01	2591525126	2591525653	1673
Bet: Limb/Nadir Sequence 2	52	2	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 23:08:04	2591541156	2591541683	1673
Bet: Limb/Nadir Sequence 2	52	3	Bet_31	31	Low Data Rate (400 kHz)	25-Jun-2002 23:09:06	2591557187	2591557714	1673
Bet: Limb/Nadir Sequence 2	52	4	Bet_04	4	Low Data Rate (400 kHz)	25-Jun-2002 23:10:09	2591573218	2591573745	1673
Bet: Limb/Nadir Sequence 2	52	5	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:11:17	2591590770	2591591297	1673
Bet: Limb/Nadir Sequence 2	52	6	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 23:12:20	2591606800	2591607327	1673
Bet: Limb/Nadir Sequence 2	52	7	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:13:29	2591624352	2591624879	1673
Bet: Limb/Nadir Sequence 2	52	8	Bet_05	5	Low Data Rate (400 kHz)	25-Jun-2002 23:14:31	2591640382	2591640909	1673
Bet: Limb/Nadir Sequence 2	52	9	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:15:40	2591657934	2591658461	1673
Bet: Limb/Nadir Sequence 2	52	10	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 23:16:42	2591673964	2591674491	1673
Bet: Limb/Nadir Sequence 2	52	11	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:17:51	2591691515	2591692042	1673
Bet: Limb/Nadir Sequence 2	52	12	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 23:18:54	2591707547	2591708074	1673
Bet: Limb/Nadir Sequence 2	52	13	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:20:02	2591725097	2591725624	1673
Bet: Limb/Nadir Sequence 2	52	14	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 23:21:05	2591741131	2591741658	1673
Bet: Limb/Nadir Sequence 2	52	15	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:22:13	2591758679	2591759206	1673
Bet: Limb/Nadir Sequence 2	52	16	Bet_06	6	Low Data Rate (400 kHz)	25-Jun-2002 23:23:16	2591774710	2591775237	1673
Bet: Limb/Nadir Sequence 2	52	17	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:24:24	2591792262	2591792789	1673
Bet: Limb/Nadir Sequence 2	52	18	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 23:25:27	2591808292	2591808819	1673
Bet: Limb/Nadir Sequence 2	52	19	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:26:36	2591825843	2591826370	1673
Bet: Limb/Nadir Sequence 2	52	20	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 23:27:38	2591841874	2591842401	1673
Bet: Limb/Nadir Sequence 2	52	21	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:28:47	2591859425	2591859952	1673
Bet: Limb/Nadir Sequence 2	52	22	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 23:29:49	2591875457	2591875984	1673
Bet: Limb/Nadir Sequence 2	52	23	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:30:58	2591893008	2591893535	1673
Bet: Limb/Nadir Sequence 2	52	24	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 23:32:01	2591909039	2591909566	1673

## 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
Bet: Limb/Nadir Sequence 2	52	25	Bet_32	32	Low Data Rate (400 kHz)	25-Jun-2002 23:33:09	2591926589	2591927116	1673
Bet: Limb/Nadir Sequence 2	52	26	Bet_07	7	Low Data Rate (400 kHz)	25-Jun-2002 23:34:12	2591942620	2591943147	1673
Bet: Moon_Nadir_Mirror_Calibration (nominal scanning)	12	1	Bet_55	55	Low Data Rate (400 kHz)	25-Jun-2002 23:43:37	2592087338	2592087865	1673
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	26-Jun-2002 00:06:29	2592438430	2592439573	1673
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	26-Jun-2002 01:47:05	2593983627	2593984770	1674
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 02:13:11	2594384688	2594385215	1675
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 02:14:14	2594400719	2594401246	1675
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 02:15:16	2594416750	2594417277	1675
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 02:16:19	2594432782	2594433309	1675
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Bet_51	51	High Data Rate (1867 kHz)	26-Jun-2002 02:17:22	2594448812	2594449603	1675
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	26-Jun-2002 02:18:35	2594467486	2594468013	1675
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 02:19:37	2594483517	2594484044	1675
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 02:20:40	2594499549	2594500076	1675
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 02:21:42	2594515580	2594516107	1675
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 02:22:45	2594531610	2594532137	1675
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:23:54	2594549162	2594549689	1675
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 02:24:56	2594565192	2594565719	1675
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:26:05	2594582743	2594583270	1675
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 02:27:07	2594598775	2594599302	1675
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:28:16	2594616326	2594616853	1675
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 02:29:19	2594632356	2594632883	1675
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:30:27	2594649907	2594650434	1675
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 02:31:30	2594665938	2594666465	1675
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:32:38	2594683489	2594684016	1675
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 02:33:41	2594699521	2594700048	1675
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:34:50	2594717071	2594717598	1675
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 02:35:52	2594733103	2594733630	1675
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:37:01	2594750653	2594751180	1675
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 02:38:03	2594766685	2594767212	1675
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:39:12	2594784236	2594784763	1675
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 02:40:15	2594800267	2594800794	1675
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:41:23	2594817817	2594818344	1675
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 02:42:26	2594833848	2594834375	1675
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:43:34	2594851399	2594851926	1675
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 02:44:37	2594867430	2594867957	1675
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:45:45	2594884982	2594885509	1675
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 02:46:48	2594901013	2594901540	1675
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:47:57	2594918564	2594919091	1675
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 02:48:59	2594934594	2594935121	1675
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 02:50:08	2594952145	2594952672	1675
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 02:51:10	2594968177	2594968704	1675
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 02:52:19	2594985728	2594986255	1675
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 02:53:22	2595001759	2595002286	1675
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 02:54:30	2595019310	2595019837	1675
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 02:55:33	2595035340	2595035867	1675
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 02:56:41	2595052891	2595053418	1675
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 02:57:44	2595068923	2595069450	1675
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	26-Jun-2002 02:58:53	2595086474	2595087001	1675
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 02:59:55	2595102505	2595103032	1675
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 03:01:04	2595120055	2595120582	1675
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 03:02:06	2595136086	2595136613	1675
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 03:03:15	2595153638	2595154165	1675
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	26-Jun-2002 03:04:17	2595169668	2595170195	1675
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 03:05:41	2595191060	2595191587	1675
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	26-Jun-2002 03:06:44	2595207092	2595207619	1675
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 03:08:07	2595228484	2595229011	1675
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 03:09:10	2595244515	2595245042	1675
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 03:10:33	2595265907	2595266434	1675

## 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
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 03:11:57	2595287298	2595287825	1675
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 03:13:21	2595308690	2595309217	1675
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 03:14:44	2595330082	2595330609	1675
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 03:16:08	2595351475	2595352002	1675
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 03:17:31	2595372866	2595373393	1675
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 03:18:55	2595394259	2595394786	1675
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 03:20:18	2595415650	2595416177	1675
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 03:21:42	2595437042	2595437569	1675
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	26-Jun-2002 03:27:41	2595528846	2595529989	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:28:27	2595540663	2595541190	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:29:11	2595551943	2595552470	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:29:55	2595563221	2595563748	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:30:39	2595574507	2595575037	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:31:23	2595585779	2595586306	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:32:07	2595597058	2595597585	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:32:51	2595608337	2595608864	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:33:35	2595619617	2595620144	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:34:19	2595630895	2595631422	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:35:03	2595642174	2595642701	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:35:47	2595653454	2595653981	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:36:31	2595664732	2595665259	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:37:15	2595676012	2595676539	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:37:59	2595687291	2595687818	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:38:44	2595698569	2595699096	1675
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 03:39:28	2595709848	2595710375	1675
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	1	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 03:53:47	2595929896	2595930423	1676
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	2	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 03:54:50	2595945927	2595946454	1676
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	3	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 03:55:52	2595961958	2595962485	1676
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	4	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 03:56:55	2595977989	2595978516	1676
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	14	5	Bet_51	51	High Data Rate (1867 kHz)	26-Jun-2002 03:57:58	2595994021	2595994812	1676
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	26-Jun-2002 03:59:11	2596012694	2596013221	1676
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 04:00:13	2596028725	2596029252	1676
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 04:01:16	2596044757	2596045284	1676
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 04:02:18	2596060788	2596061315	1676
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:03:42	2596082179	2596082706	1676
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 04:04:45	2596098211	2596098738	1676
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:06:08	2596119602	2596120129	1676
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	26-Jun-2002 04:07:11	2596135633	2596136160	1676
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:08:34	2596157026	2596157553	1676
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	26-Jun-2002 04:09:37	2596173056	2596173583	1676
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:11:01	2596194448	2596194975	1676
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 04:12:03	2596210479	2596211006	1676
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:13:12	2596228030	2596228557	1676
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 04:14:14	2596244061	2596244588	1676
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:15:23	2596261612	2596262139	1676
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 04:16:26	2596277644	2596278171	1676
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:17:34	2596295195	2596295722	1676
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 04:18:37	2596311225	2596311752	1676
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:19:45	2596328776	2596329303	1676
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 04:20:48	2596344807	2596345334	1676
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:21:56	2596362359	2596362886	1676
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 04:22:59	2596378389	2596378916	1676
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:24:08	2596395940	2596396467	1676
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 04:25:10	2596411972	2596412499	1676
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:26:19	2596429522	2596430049	1676
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 04:27:21	2596445553	2596446080	1676
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:28:30	2596463104	2596463631	1676
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 04:29:33	2596479136	2596479663	1676
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 04:30:41	2596496687	2596497214	1676



## 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
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 04:31:44	2596512717	2596513244	1676
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 04:32:52	2596530268	2596530795	1676
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 04:33:55	2596546300	2596546827	1676
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 04:35:04	2596563851	2596564378	1676
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 04:36:06	2596579882	2596580409	1676
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 04:37:15	2596597432	2596597959	1676
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 04:38:17	2596613463	2596613990	1676
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	26-Jun-2002 04:39:26	2596631014	2596631541	1676
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 04:40:28	2596647046	2596647573	1676
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 04:41:37	2596664596	2596665123	1676
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 04:42:40	2596680628	2596681155	1676
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 04:43:48	2596698178	2596698705	1676
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	26-Jun-2002 04:44:51	2596714209	2596714736	1676
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 04:46:14	2596735604	2596736131	1676
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	26-Jun-2002 04:47:17	2596751632	2596752159	1676
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 04:48:41	2596773025	2596773552	1676
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 04:49:43	2596789056	2596789583	1676
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 04:51:07	2596810447	2596810974	1676
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 04:52:09	2596826480	2596827007	1676
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 04:53:33	2596847870	2596848397	1676
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 04:54:57	2596869262	2596869789	1676
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 04:56:20	2596890654	2596891181	1676
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 04:57:44	2596912046	2596912573	1676
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 04:59:07	2596933438	2596933965	1676
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 05:00:31	2596954830	2596955357	1676
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 05:01:54	2596976223	2596976750	1676
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 05:03:18	2596997614	2596998141	1676
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	26-Jun-2002 05:08:17	2597074077	2597075220	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:09:03	2597085895	2597086422	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:09:47	2597097174	2597097701	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:10:31	2597108453	2597108980	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:11:15	2597119732	2597120259	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:11:59	2597131012	2597131539	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:12:43	2597142290	2597142817	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:13:27	2597153569	2597154096	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:14:11	2597164848	2597165375	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:14:55	2597176127	2597176654	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:15:39	2597187406	2597187933	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:16:23	2597198686	2597199213	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:17:07	2597209966	2597210493	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:17:51	2597221244	2597221771	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:18:36	2597232522	2597233049	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:19:20	2597243801	2597244328	1676
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 05:20:04	2597255080	2597255607	1676
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	26-Jun-2002 06:48:53	2598619300	2598620443	1677
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 07:15:03	2599021354	2599021881	1678
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 07:16:06	2599037385	2599037912	1678
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 07:17:08	2599053417	2599053944	1678
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 07:18:11	2599069447	2599069974	1678
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	26-Jun-2002 07:19:14	2599085479	2599086270	1678
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	26-Jun-2002 07:28:52	2599233457	2599233984	1678
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 07:29:54	2599249488	2599250015	1678
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 07:30:57	2599265520	2599266047	1678
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 07:32:00	2599281551	2599282078	1678
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 07:33:02	2599297581	2599298108	1678
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:34:11	2599315132	2599315659	1678
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 07:35:13	2599331164	2599331691	1678
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:36:22	2599348714	2599349241	1678
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 07:37:25	2599364745	2599365272	1678

## 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
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:38:33	2599382296	2599382823	1678
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 07:39:36	2599398327	2599398854	1678
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:40:44	2599415878	2599416405	1678
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 07:41:47	2599431909	2599432436	1678
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:42:55	2599449460	2599449987	1678
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 07:43:58	2599465491	2599466018	1678
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:45:07	2599483042	2599483569	1678
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 07:46:09	2599499073	2599499600	1678
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:47:18	2599516625	2599517152	1678
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 07:48:20	2599532656	2599533183	1678
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:49:29	2599550207	2599550734	1678
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 07:50:32	2599566238	2599566765	1678
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:51:40	2599583789	2599584316	1678
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 07:52:43	2599599819	2599600346	1678
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:53:51	2599617371	2599617898	1678
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 07:54:54	2599633402	2599633929	1678
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 07:56:03	2599650952	2599651479	1678
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 07:57:05	2599666983	2599667510	1678
Bet: MO&C (pointing)	9	1	Bet_56	56	Low Data Rate (400 kHz)	26-Jun-2002 08:05:37	2599797959	2599798486	1678
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	26-Jun-2002 08:29:29	2600164501	2600165644	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:30:15	2600176318	2600176845	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:30:59	2600187597	2600188124	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:31:43	2600198876	2600199403	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:32:27	2600210156	2600210683	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:33:11	2600221434	2600221961	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:33:55	2600232713	2600233240	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:34:39	2600243992	2600244519	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:35:23	2600255271	2600255798	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:36:07	2600266550	2600267077	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:36:51	2600277829	2600278356	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:37:35	2600289108	2600289635	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:38:19	2600300388	2600300915	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:39:03	2600311667	2600312194	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:39:47	2600322945	2600323472	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:40:32	2600334225	2600334752	1678
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 08:41:16	2600345504	2600346031	1678
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 08:55:39	2600566541	2600567068	1679
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 08:56:42	2600582572	2600583099	1679
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 08:57:44	2600598604	2600599131	1679
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 08:58:47	2600614634	2600615161	1679
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	26-Jun-2002 08:59:50	2600630666	2600631457	1679
Bet: Limb/Nadir Sequence 1	25	1	Bet_30	30	Low Data Rate (400 kHz)	26-Jun-2002 09:09:13	2600774814	2600775341	1679
Bet: Limb/Nadir Sequence 1	25	2	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 09:10:15	2600790845	2600791372	1679
Bet: Limb/Nadir Sequence 1	25	3	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 09:11:18	2600806877	2600807404	1679
Bet: Limb/Nadir Sequence 1	25	4	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 09:12:20	2600822908	2600823435	1679
Bet: Limb/Nadir Sequence 1	25	5	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 09:13:23	2600838938	2600839465	1679
Bet: Limb/Nadir Sequence 1	25	6	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:14:32	2600856489	2600857016	1679
Bet: Limb/Nadir Sequence 1	25	7	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 09:15:34	2600872520	2600873047	1679
Bet: Limb/Nadir Sequence 1	25	8	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:16:43	2600890071	2600890598	1679
Bet: Limb/Nadir Sequence 1	25	9	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 09:17:45	2600906103	2600906630	1679
Bet: Limb/Nadir Sequence 1	25	10	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:18:54	2600923654	2600924181	1679
Bet: Limb/Nadir Sequence 1	25	11	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 09:19:57	2600939684	2600940211	1679
Bet: Limb/Nadir Sequence 1	25	12	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:21:05	2600957235	2600957762	1679
Bet: Limb/Nadir Sequence 1	25	13	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 09:22:08	2600973266	2600973793	1679
Bet: Limb/Nadir Sequence 1	25	14	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:23:16	2600990819	2600991346	1679
Bet: Limb/Nadir Sequence 1	25	15	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 09:24:19	2601006848	2601007375	1679
Bet: Limb/Nadir Sequence 1	25	16	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:25:28	2601024399	2601024926	1679
Bet: Limb/Nadir Sequence 1	25	17	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 09:26:30	2601040430	2601040957	1679
Bet: Limb/Nadir Sequence 1	25	18	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:27:39	2601057981	2601058508	1679

## 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
Bet: Limb/Nadir Sequence 1	25	19	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 09:28:41	2601074014	2601074541	1679
Bet: Limb/Nadir Sequence 1	25	20	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:29:50	2601091563	2601092090	1679
Bet: Limb/Nadir Sequence 1	25	21	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 09:30:53	2601107594	2601108121	1679
Bet: Limb/Nadir Sequence 1	25	22	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:32:01	2601125145	2601125672	1679
Bet: Limb/Nadir Sequence 1	25	23	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 09:33:04	2601141176	2601141703	1679
Bet: Limb/Nadir Sequence 1	25	24	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:34:12	2601158728	2601159255	1679
Bet: Limb/Nadir Sequence 1	25	25	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 09:35:15	2601174758	2601175285	1679
Bet: Limb/Nadir Sequence 1	25	26	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 09:36:23	2601192309	2601192836	1679
Bet: Limb/Nadir Sequence 1	25	27	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 09:37:26	2601208340	2601208867	1679
Bet: Moon_Nadir_Mirror_Calibration (nominal scanning)	12	1	Bet_55	55	Low Data Rate (400 kHz)	26-Jun-2002 09:45:43	2601335486	2601336013	1679
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	26-Jun-2002 10:10:04	2601709694	2601710837	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:10:51	2601721511	2601722038	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:11:35	2601732791	2601733318	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:12:19	2601744069	2601744596	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:13:03	2601755348	2601755875	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:13:47	2601766627	2601767154	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:14:31	2601777906	2601778433	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:15:15	2601789185	2601789712	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:15:59	2601800464	2601800991	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:16:43	2601811743	2601812270	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:17:27	2601823023	2601823550	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:18:11	2601834302	2601834829	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:18:55	2601845581	2601846108	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:19:39	2601856860	2601857387	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:20:23	2601868139	2601868666	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:21:07	2601879418	2601879945	1679
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 10:21:51	2601890696	2601891223	1679
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 10:36:15	2602111719	2602112246	1680
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 10:37:17	2602127750	2602128277	1680
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 10:38:20	2602143782	2602144309	1680
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 10:39:23	2602159812	2602160339	1680
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	26-Jun-2002 10:40:25	2602175843	2602176634	1680
Bet: Limb/Nadir Sequence 1	50	1	Bet_30	30	Low Data Rate (400 kHz)	26-Jun-2002 10:42:44	2602211413	2602211940	1680
Bet: Limb/Nadir Sequence 1	50	2	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 10:43:47	2602227443	2602227970	1680
Bet: Limb/Nadir Sequence 1	50	3	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 10:44:50	2602243474	2602244001	1680
Bet: Limb/Nadir Sequence 1	50	4	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 10:45:52	2602259506	2602260033	1680
Bet: Limb/Nadir Sequence 1	50	5	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 10:46:55	2602275536	2602276063	1680
Bet: Limb/Nadir Sequence 1	50	6	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 10:48:03	2602293087	2602293614	1680
Bet: Limb/Nadir Sequence 1	50	7	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 10:49:06	2602309118	2602309645	1680
Bet: Limb/Nadir Sequence 1	50	8	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 10:50:15	2602326669	2602327196	1680
Bet: Limb/Nadir Sequence 1	50	9	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 10:51:17	2602342700	2602343227	1680
Bet: Limb/Nadir Sequence 1	50	10	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 10:52:26	2602360251	2602360778	1680
Bet: Limb/Nadir Sequence 1	50	11	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 10:53:28	2602376283	2602376810	1680
Bet: Limb/Nadir Sequence 1	50	12	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 10:54:37	2602393833	2602394360	1680
Bet: Limb/Nadir Sequence 1	50	13	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 10:55:39	2602409864	2602410391	1680
Bet: Limb/Nadir Sequence 1	50	14	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 10:56:48	2602427417	2602427944	1680
Bet: Limb/Nadir Sequence 1	50	15	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 10:57:51	2602443446	2602443973	1680
Bet: Limb/Nadir Sequence 1	50	16	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 10:58:59	2602460998	2602461525	1680
Bet: Limb/Nadir Sequence 1	50	17	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 11:00:02	2602477028	2602477555	1680
Bet: Limb/Nadir Sequence 1	50	18	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 11:01:10	2602494579	2602495106	1680
Bet: Limb/Nadir Sequence 1	50	19	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 11:02:13	2602510611	2602511138	1680
Bet: Limb/Nadir Sequence 1	50	20	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 11:03:22	2602528161	2602528688	1680
Bet: Limb/Nadir Sequence 1	50	21	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 11:04:24	2602544193	2602544720	1680
Bet: Limb/Nadir Sequence 1	50	22	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 11:05:33	2602561743	2602562270	1680
Bet: Limb/Nadir Sequence 1	50	23	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 11:06:35	2602577774	2602578301	1680
Bet: Limb/Nadir Sequence 1	50	24	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 11:07:44	2602595326	2602595853	1680
Bet: Limb/Nadir Sequence 1	50	25	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 11:08:47	2602611356	2602611883	1680
Bet: Limb/Nadir Sequence 1	50	26	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 11:09:55	2602628907	2602629434	1680

## 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
Bet: Limb/Nadir Sequence 1	50	27	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 11:10:58	2602644938	2602645465	1680
Bet: Limb/Nadir Sequence 1	50	28	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 11:12:06	2602662490	2602663017	1680
Bet: Limb/Nadir Sequence 1	50	29	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 11:13:09	2602678521	2602679048	1680
Bet: Limb/Nadir Sequence 1	50	30	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 11:14:17	2602696071	2602696598	1680
Bet: Limb/Nadir Sequence 1	50	31	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 11:15:20	2602712102	2602712629	1680
Bet: Limb/Nadir Sequence 1	50	32	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 11:16:29	2602729653	2602730180	1680
Bet: Limb/Nadir Sequence 1	50	33	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 11:17:31	2602745658	2602746212	1680
Bet: Limb/Nadir Sequence 1	50	34	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 11:18:40	2602763235	2602763762	1680
Bet: Limb/Nadir Sequence 1	50	35	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 11:19:42	2602779267	2602779794	1680
Bet: Limb/Nadir Sequence 1	50	36	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 11:20:51	2602796817	2602797344	1680
Bet: Limb/Nadir Sequence 1	50	37	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 11:21:54	2602812848	2602813375	1680
Bet: Limb/Nadir Sequence 1	50	38	Bet_30	30	Low Data Rate (400 kHz)	26-Jun-2002 11:23:02	2602830400	2602830927	1680
Bet: Limb/Nadir Sequence 1	50	39	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 11:24:05	2602846430	2602846957	1680
Bet: Limb/Nadir Sequence 1	50	40	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 11:25:13	2602863981	2602864508	1680
Bet: Limb/Nadir Sequence 1	50	41	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 11:26:16	2602880012	2602880539	1680
Bet: Limb/Nadir Sequence 1	50	42	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 11:27:25	2602897564	2602898091	1680
Bet: Limb/Nadir Sequence 1	50	43	Bet_03	3	Low Data Rate (400 kHz)	26-Jun-2002 11:28:27	2602913594	2602914121	1680
Bet: Limb/Nadir Sequence 1	50	44	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 11:29:51	2602934987	2602935514	1680
Bet: Limb/Nadir Sequence 1	50	45	Bet_02	2	Low Data Rate (400 kHz)	26-Jun-2002 11:30:53	2602951017	2602951544	1680
Bet: Limb/Nadir Sequence 1	50	46	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 11:32:17	2602972410	2602972937	1680
Bet: Limb/Nadir Sequence 1	50	47	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 11:33:20	2602988440	2602988967	1680
Bet: Limb/Nadir Sequence 1	50	48	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 11:34:43	2603009832	2603010359	1680
Bet: Limb/Nadir Sequence 1	50	49	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 11:36:07	2603031224	2603031751	1680
Bet: Limb/Nadir Sequence 1	50	50	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 11:37:30	2603052617	2603053144	1680
Bet: Limb/Nadir Sequence 1	50	51	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 11:38:54	2603074009	2603074536	1680
Bet: Limb/Nadir Sequence 1	50	52	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 11:40:17	2603095400	2603095927	1680
Bet: Limb/Nadir Sequence 1	50	53	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 11:41:41	2603116792	2603117319	1680
Bet: Limb/Nadir Sequence 1	50	54	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 11:43:04	2603138184	2603138711	1680
Bet: Limb/Nadir Sequence 1	50	55	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 11:44:28	2603159576	2603160103	1680
Bet: Limb/Nadir Sequence 1	50	56	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 11:45:52	2603180968	2603181495	1680
ADC Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	26-Jun-2002 11:50:40	2603254876	2603256019	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:51:26	2603266694	2603267221	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:52:11	2603277974	2603278501	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:52:55	2603289252	2603289779	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:53:39	2603300531	2603301058	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:54:23	2603311810	2603312337	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:55:07	2603323090	2603323617	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:55:51	2603334369	2603334896	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:56:35	2603345647	2603346174	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:57:19	2603356927	2603357454	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:58:03	2603368205	2603368732	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:58:47	2603379484	2603380011	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 11:59:31	2603390763	2603391290	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 12:00:15	2603402043	2603402570	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 12:00:59	2603413322	2603413849	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 12:01:43	2603424601	2603425128	1680
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 12:02:27	2603435879	2603436406	1680
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	1	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 12:16:51	2603656894	2603657421	1681
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	2	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 12:17:53	2603672924	2603673451	1681
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	3	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 12:18:56	2603688955	2603689482	1681
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	4	Bet_29	29	Low Data Rate (400 kHz)	26-Jun-2002 12:19:59	2603704986	2603705513	1681
Bet: Limb sequence incl. SO&C (nominal scanning, long duration)	1	5	Bet_49	49	High Data Rate (1867 kHz)	26-Jun-2002 12:21:01	2603721017	2603721808	1681
Bet: Limb/Nadir Sequence 2	53	1	Bet_30	30	Low Data Rate (400 kHz)	26-Jun-2002 12:23:20	2603756586	2603757113	1681
Bet: Limb/Nadir Sequence 2	53	2	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 12:24:23	2603772618	2603773145	1681
Bet: Limb/Nadir Sequence 2	53	3	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 12:25:25	2603788648	2603789175	1681
Bet: Limb/Nadir Sequence 2	53	4	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 12:26:28	2603804679	2603805206	1681
Bet: Limb/Nadir Sequence 2	53	5	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:27:52	2603826072	2603826599	1681
Bet: Limb/Nadir Sequence 2	53	6	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 12:28:54	2603842103	2603842630	1681
Bet: Limb/Nadir Sequence 2	53	7	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:30:18	2603863494	2603864021	1681

## 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
Bet: Limb/Nadir Sequence 2	53	8	Bet_02	2	Low Data Rate (400 kHz)	26-Jun-2002 12:31:20	2603879525	2603880052	1681
Bet: Limb/Nadir Sequence 2	53	9	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:32:44	2603900917	2603901444	1681
Bet: Limb/Nadir Sequence 2	53	10	Bet_03	3	Low Data Rate (400 kHz)	26-Jun-2002 12:33:47	2603916948	2603917475	1681
Bet: Limb/Nadir Sequence 2	53	11	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:35:10	2603938341	2603938868	1681
Bet: Limb/Nadir Sequence 2	53	12	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 12:36:13	2603954372	2603954899	1681
Bet: Limb/Nadir Sequence 2	53	13	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:37:21	2603971922	2603972449	1681
Bet: Limb/Nadir Sequence 2	53	14	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 12:38:24	2603987953	2603988480	1681
Bet: Limb/Nadir Sequence 2	53	15	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:39:32	2604005504	2604006031	1681
Bet: Limb/Nadir Sequence 2	53	16	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 12:40:35	2604021536	2604022063	1681
Bet: Limb/Nadir Sequence 2	53	17	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:41:44	2604039087	2604039614	1681
Bet: Limb/Nadir Sequence 2	53	18	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 12:42:46	2604055118	2604055645	1681
Bet: Limb/Nadir Sequence 2	53	19	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:43:55	2604072668	2604073195	1681
Bet: Limb/Nadir Sequence 2	53	20	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 12:44:57	2604088699	2604089226	1681
Bet: Limb/Nadir Sequence 2	53	21	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:46:06	2604106250	2604106777	1681
Bet: Limb/Nadir Sequence 2	53	22	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 12:47:09	2604122282	2604122809	1681
Bet: Limb/Nadir Sequence 2	53	23	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:48:17	2604139833	2604140360	1681
Bet: Limb/Nadir Sequence 2	53	24	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 12:49:20	2604155863	2604156390	1681
Bet: Limb/Nadir Sequence 2	53	25	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:50:28	2604173414	2604173941	1681
Bet: Limb/Nadir Sequence 2	53	26	Bet_07	7	Low Data Rate (400 kHz)	26-Jun-2002 12:51:31	2604189446	2604189973	1681
Bet: Limb/Nadir Sequence 2	53	27	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:52:40	2604206997	2604207524	1681
Bet: Limb/Nadir Sequence 2	53	28	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 12:53:42	2604223027	2604223554	1681
Bet: Limb/Nadir Sequence 2	53	29	Bet_32	32	Low Data Rate (400 kHz)	26-Jun-2002 12:54:51	2604240578	2604241105	1681
Bet: Limb/Nadir Sequence 2	53	30	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 12:55:53	2604256609	2604257136	1681
Bet: Limb/Nadir Sequence 2	53	31	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 12:57:02	2604274160	2604274687	1681
Bet: Limb/Nadir Sequence 2	53	32	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 12:58:05	2604290192	2604290719	1681
Bet: Limb/Nadir Sequence 2	53	33	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 12:59:13	2604307742	2604308269	1681
Bet: Limb/Nadir Sequence 2	53	34	Bet_06	6	Low Data Rate (400 kHz)	26-Jun-2002 13:00:16	2604323773	2604324300	1681
Bet: Limb/Nadir Sequence 2	53	35	Bet_31	31	Low Data Rate (400 kHz)	26-Jun-2002 13:01:24	2604341325	2604341852	1681
Bet: Limb/Nadir Sequence 2	53	36	Bet_05	5	Low Data Rate (400 kHz)	26-Jun-2002 13:02:27	2604357356	2604357883	1681
Bet: Limb/Nadir Sequence 2	53	37	Bet_30	30	Low Data Rate (400 kHz)	26-Jun-2002 13:03:35	2604374906	2604375433	1681
Bet: Limb/Nadir Sequence 2	53	38	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 13:04:38	2604390937	2604391464	1681
Bet: Limb/Nadir Sequence 2	53	39	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 13:05:47	2604408488	2604409015	1681
Bet: Limb/Nadir Sequence 2	53	40	Bet_04	4	Low Data Rate (400 kHz)	26-Jun-2002 13:06:49	2604424520	2604425047	1681
Bet: Limb/Nadir Sequence 2	53	41	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 13:07:58	2604442070	2604442597	1681
Bet: Limb/Nadir Sequence 2	53	42	Bet_03	3	Low Data Rate (400 kHz)	26-Jun-2002 13:09:00	2604458101	2604458628	1681
Bet: Limb/Nadir Sequence 2	53	43	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 13:10:24	2604479493	2604480020	1681
Bet: Limb/Nadir Sequence 2	53	44	Bet_02	2	Low Data Rate (400 kHz)	26-Jun-2002 13:11:27	2604495524	2604496051	1681
Bet: Limb/Nadir Sequence 2	53	45	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 13:12:50	2604516917	2604517444	1681
Bet: Limb/Nadir Sequence 2	53	46	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 13:13:53	2604532947	2604533474	1681
Bet: Limb/Nadir Sequence 2	53	47	Bet_33	33	Low Data Rate (400 kHz)	26-Jun-2002 13:15:16	2604554339	2604554866	1681
Bet: Limb/Nadir Sequence 2	53	48	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 13:16:19	2604570370	2604570897	1681
Bet: Limb/Nadir Sequence 2	53	49	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 13:17:43	2604591763	2604592290	1681
Bet: Limb/Nadir Sequence 2	53	50	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 13:19:06	2604613154	2604613681	1681
Bet: Limb/Nadir Sequence 2	53	51	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 13:20:30	2604634546	2604635073	1681
Bet: Limb/Nadir Sequence 2	53	52	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 13:21:53	2604655939	2604656466	1681
Bet: Limb/Nadir Sequence 2	53	53	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 13:23:17	2604677331	2604677858	1681
Bet: Limb/Nadir Sequence 2	53	54	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 13:24:40	2604698723	2604699250	1681
Bet: Limb/Nadir Sequence 2	53	55	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 13:26:04	2604720114	2604720641	1681
Bet: Limb/Nadir Sequence 2	53	56	Bet_01	1	Low Data Rate (400 kHz)	26-Jun-2002 13:27:27	2604741507	2604742034	1681
ADC_Calibration	63	1	Bet_65	65	Low Data Rate (400 kHz)	26-Jun-2002 13:31:16	2604800057	2604801200	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	1	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:32:02	2604811874	2604812401	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	2	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:32:46	2604823154	2604823681	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	3	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:33:30	2604834433	2604834960	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	4	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:34:15	2604845711	2604846238	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	5	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:34:59	2604856990	2604857517	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	6	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:35:43	2604868269	2604868796	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	7	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:36:27	2604879548	2604880075	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	8	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:37:11	2604890827	2604891354	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	9	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:37:55	2604902106	2604902633	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	10	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:38:39	2604913385	2604913912	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	11	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:39:23	2604924664	2604925191	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	12	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:40:07	2604935943	2604936470	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	13	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:40:51	2604947222	2604947750	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	14	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:41:35	2604958501	2604959028	1681

## 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
Bet: Orbit_Daily_Calibration_Eclipse	55	15	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:42:19	2604969781	2604970308	1681
Bet: Orbit_Daily_Calibration_Eclipse	55	16	Bet_27	27	Low Data Rate (400 kHz)	26-Jun-2002 13:43:03	2604981060	2604981587	1681