

LEGEND

FR-NOM	NOM	UTLS-1	UTLS-2	MA	NLC	UA	AE	CAL
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MIPAS Mission Planning 2009

Date		First orbit	Last orbit	LOS calibration		RGC calibration	Measurement mode			
							ORBIT	ANX	UTC	MODE
01 January 2009	Thu	35757	35770			35761	35757	500	01-Jan-2009 01:46:16	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
02 January 2009	Fri	35771	35784			35776	35771	500	02-Jan-2009 01:14:39	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
03 January 2009	Sat	35785	35798			35790	35785	500	03-Jan-2009 00:43:02	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
04 January 2009	Sun	35799	35813	35803	35804	35805	35803		04-Jan-2009 06:45:32	Rearward LOS Prime - start
							35804		04-Jan-2009 10:06:19	Rearward LOS Prime - stop
05 January 2009	Mon	35814	35827			35818	35814	500	05-Jan-2009 00:48:46	stop NOM - floating altitudes (new algo) / start NLC - Noctilucent Clouds
06 January 2009	Tue	35828	35841			35833				
07 January 2009	Wed	35842	35856			35847				
08 January 2009	Thu	35857	35870			35861	35857	500	08-Jan-2009 00:48:46	stop NLC - Noctilucent Clouds / start NOM - floating altitudes (new algo)
09 January 2009	Fri	35871	35884			35877				
10 January 2009	Sat	35885	35899			35890				
11 January 2009	Sun	35900	35913			35904	35900	500	11-Jan-2009 01:31:53	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
12 January 2009	Mon	35914	35927			35919	35914	500	12-Jan-2009 01:00:16	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
13 January 2009	Tue	35928	35942			35933	35928	500	13-Jan-2009 00:28:39	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
14 January 2009	Wed	35943	35956	35947	35948	35949	35947		14-Jan-2009 08:11:03	Rearward LOS Prime - start
							35948		14-Jan-2009 11:31:13	Rearward LOS Prime - stop
							35953	500	14-Jan-2009 18:23:38	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
							35956	500	14-Jan-2009 23:25:25	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
15 January 2009	Thu	35957	35970			35962	35967	500	15-Jan-2009 17:52:00	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
							35970	500	15-Jan-2009 22:53:48	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
16 January 2009	Fri	35971	35985			35976	35982	500	16-Jan-2009 19:00:59	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere

							35985	500	17-Jan-2009 00:02:47	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
17 January 2009	Sat	35986	35999			35990	35996	500	17-Jan-2009 18:29:22	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
							35999	500	17-Jan-2009 23:31:10	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
18 January 2009	Sun	36000	36013			36005	36010	500	18-Jan-2009 17:57:45	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
19 January 2009	Mon	36014	36027			36019				
20 January 2009	Tue	36028	36042			36033				
21 January 2009	Wed	36043	36056			36048	36043	500	21-Jan-2009 01:17:31	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
							36053	500	21-Jan-2009 18:03:30	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
							36056	500	21-Jan-2009 23:05:18	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
22 January 2009	Thu	36057	36070			36062	36068	500	22-Jan-2009 19:12:29	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
23 January 2009	Fri	36071	36085			36076	36071	500	23-Jan-2009 00:14:17	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
							36082	500	23-Jan-2009 18:40:52	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
							36085	500	23-Jan-2009 23:42:40	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
24 January 2009	Sat	36086	36099	36089	36090	36091	36089		24-Jan-2009 06:17:10	Rearward LOS Prime - start
							36090		24-Jan-2009 09:37:28	Rearward LOS Prime - stop
							36096	500	24-Jan-2009 18:09:15	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
							36099	500	24-Jan-2009 23:11:03	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
25 January 2009	Sun	36100	36113			36105	36111	500	25-Jan-2009 19:18:14	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
26 January 2009	Mon	36114	36128			36119	36114	500	26-Jan-2009 00:20:02	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
							36125	500	26-Jan-2009 18:46:37	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
							36128	500	26-Jan-2009 23:48:25	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
27 January 2009	Tue	36129	36142			36133	36139	500	27-Jan-2009 18:15:00	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
							36142	500	27-Jan-2009 23:16:48	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)

28 January 2009	Wed	36143	36156			36148	36154	500	28-Jan-2009 19:23:59	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
29 January 2009	Thu	36157	36171			36163	36157	500	29-Jan-2009 00:25:47	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
				36165	36166		36165		29-Jan-2009 13:43:20	Rearward LOS Prime - start
							36166		29-Jan-2009 17:03:05	Rearward LOS Prime - stop
30 January 2009	Fri	36172	36185			36181				
31 January 2009	Sat	36186	36199			36195				
01 February 2009	Sun	36200	36214			36209				
02 February 2009	Mon	36215	36228			36223				
03 February 2009	Tue	36229	36242	36237	36238	36236	36237		03-Feb-2009 14:27:06	Rearward LOS Prime - start
							36238		03-Feb-2009 17:46:03	Rearward LOS Prime - stop
04 February 2009	Wed	36243	36257			36250				
05 February 2009	Thu	36258	36271			36266	36258	500	05-Feb-2009 01:46:16	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
							36261	500	05-Feb-2009 06:48:03	stop MA - Middle Atmosphere / start NOM - floating altitudes (new algo)
							36264	500	05-Feb-2009 11:49:51	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
06 February 2009	Fri	36272	36285			36281	36272	500	06-Feb-2009 01:14:39	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
							36275	500	06-Feb-2009 06:16:26	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
							36278	500	06-Feb-2009 11:18:14	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
07 February 2009	Sat	36286	36299			36295	36286	500	07-Feb-2009 00:43:02	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
08 February 2009	Sun	36300	36314	36308	36309	36307	36308		08-Feb-2009 13:30:17	Rearward LOS Prime - start
							36309		08-Feb-2009 16:48:23	Rearward LOS Prime - stop
09 February 2009	Mon	36315	36328			36324				
10 February 2009	Tue	36329	36342			36338				
11 February 2009	Wed	36343	36357			36352				
12 February 2009	Thu	36358	36371			36366				
13 February 2009	Fri	36372	36385	36380	36381	36379	36380		13-Feb-2009 14:14:06	Rearward LOS Prime - start
							36381		13-Feb-2009 17:31:50	Rearward LOS Prime - stop
14 February 2009	Sat	36386	36400			36393				
15 February 2009	Sun	36401	36414			36409	36401	500	15-Feb-2009 01:31:53	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
							36404	500	15-Feb-2009 06:33:41	stop MA - Middle Atmosphere / start NOM - floating altitudes (new algo)
							36407	500	15-Feb-2009 11:35:29	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
16 February 2009	Mon	36415	36428			36424	36415	500	16-Feb-2009 01:00:16	stop MA - Middle Atmosphere / start UA - Upper Atmosphere

							36418	500	16-Feb-2009 06:02:04	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
							36421	500	16-Feb-2009 11:03:52	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
17 February 2009	Tue	36429	36443			36438	36429	500	17-Feb-2009 00:28:39	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
18 February 2009	Wed	36444	36457	36452	36453	36451	36452		18-Feb-2009 14:57:56	Rearward LOS Prime - start
							36453		18-Feb-2009 18:14:54	Rearward LOS Prime - stop
19 February 2009	Thu	36458	36471			36468				
20 February 2009	Fri	36472	36486				36480			IF16 - Limb Scanning Sequences in raw data mode
							36481			IF16 - Limb Scanning Sequences in raw data mode
21 February 2009	Sat	36487	36500			36495				
22 February 2009	Sun	36501	36514			36510				
23 February 2009	Mon	36515	36528	36523	36524	36522	36523		23-Feb-2009 14:00:19	Rearward LOS Prime - start
							36524		23-Feb-2009 17:17:28	Rearward LOS Prime - stop
24 February 2009	Tue	36529	36543			36536				
25 February 2009	Wed	36544	36557			36553	36544	500	25-Feb-2009 01:17:31	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
							36547	500	25-Feb-2009 06:19:19	stop MA - Middle Atmosphere / start NOM - floating altitudes (new algo)
							36550	500	25-Feb-2009 11:21:07	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
26 February 2009	Thu	36558	36571			36567	36558	500	26-Feb-2009 00:45:54	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
							36561	500	26-Feb-2009 05:47:42	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
							36564	500	26-Feb-2009 10:49:30	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
27 February 2009	Fri	36572	36586			36581	36572	500	27-Feb-2009 00:14:17	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
28 February 2009	Sat	36587	36600	36594	36595	36593	36594		28-Feb-2009 13:03:18	Rearward LOS Prime - start
							36595		28-Feb-2009 16:19:00	Rearward LOS Prime - stop
01 March 2009	Sun	36601	36614			36611				
02 March 2009	Mon	36615	36629			36624				
03 March 2009	Tue	36630	36643			36638				
04 March 2009	Wed	36644	36657			36653				
05 March 2009	Thu	36658	36672	36666	36667	36665	36666		05-Mar-2009 13:46:54	Rearward LOS Prime - start
							36667		05-Mar-2009 17:02:17	Rearward LOS Prime - stop
06 March 2009	Fri	36673	36686			36679				
07 March 2009	Sat	36687	36700			36696	36687	500	07-Mar-2009 01:03:09	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
							36690	500	07-Mar-2009 06:04:57	stop MA - Middle Atmosphere / start NOM - floating altitudes (new algo)

							36693	500	07-Mar-2009 11:06:44	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
08 March 2009	Sun	36701	36715			36710	36701	500	08-Mar-2009 00:31:32	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
							36704	500	08-Mar-2009 05:33:20	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
							36707	500	08-Mar-2009 10:35:07	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
09 March 2009	Mon	36716	36729			36724	36716	500	09-Mar-2009 01:40:31	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
10 March 2009	Tue	36730	36743	36738	36739	36737	36738		10-Mar-2009 14:24:38	Rearward LOS Prime - start
							36739		10-Mar-2009 17:45:38	Rearward LOS Prime - stop
11 March 2009	Wed	36744	36758			36754				
12 March 2009	Thu	36759	36772			36767				
13 March 2009	Fri	36773	36786			36782				
14 March 2009	Sat	36787	36800			36796				
15 March 2009	Sun	36801	36815	36809	36810	36808	36809		15-Mar-2009 13:27:37	Rearward LOS Prime - start
							36810		15-Mar-2009 16:48:26	Rearward LOS Prime - stop
16 March 2009	Mon	36816	36829			36822				
17 March 2009	Tue	36830	36843			36839	36830	500	17-Mar-2009 00:48:46	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
							36833	500	17-Mar-2009 05:50:34	stop MA - Middle Atmosphere / start NOM - floating altitudes (new algo)
							36836	500	17-Mar-2009 10:52:22	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
18 March 2009	Wed	36844	36858			36853	36844	500	18-Mar-2009 00:17:09	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
							36848	500	18-Mar-2009 06:59:33	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
							36851	500	18-Mar-2009 12:01:21	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
19 March 2009	Thu	36859	36872			36867	36859	500	19-Mar-2009 01:26:08	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
20 March 2009	Fri	36873	36886	36881	36882	36880	36881		20-Mar-2009 14:11:15	Rearward LOS Prime - start
							36882		20-Mar-2009 17:31:48	Rearward LOS Prime - stop
21 March 2009	Sat	36887	36901			36897				
22 March 2009	Sun	36902	36915			36910				
23 March 2009	Mon	36916	36929			36925				
24 March 2009	Tue	36930	36944			36939				
25 March 2009	Wed	36945	36958	36953	36954	36952	36953		25-Mar-2009 14:54:56	Rearward LOS Prime - start
							36954		25-Mar-2009 18:14:56	Rearward LOS Prime - stop
26 March 2009	Thu	36959	36972			36966				
27 March 2009	Fri	36973	36987			36982	36973	500	27-Mar-2009 00:34:24	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere

							36976	500	27-Mar-2009 05:36:12	stop MA - Middle Atmosphere / start NOM - floating altitudes (new algo)
							36979	500	27-Mar-2009 10:38:00	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
28 March 2009	Sat	36988	37001			36996	36988	500	28-Mar-2009 01:43:23	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
							36991	500	28-Mar-2009 06:45:11	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
							36994	500	28-Mar-2009 11:46:59	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
29 March 2009	Sun	37002	37015			37011	37002	500	29-Mar-2009 01:11:46	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
30 March 2009	Mon	37016	37029	37024	37025	37023	37024		30-Mar-2009 13:58:02	Rearward LOS Prime - start
							37025		30-Mar-2009 17:12:55	Rearward LOS Prime - stop
31 March 2009	Tue	37030	37044			37040				
01 April 2009	Wed	37045	37058			37054				
02 April 2009	Thu	37059	37072			37068				
03 April 2009	Fri	37073	37087			37082				
04 April 2009	Sat	37088	37101	37095	37096	37094	37095		04-Apr-2009 13:01:10	Rearward LOS Prime - start
							37096		04-Apr-2009 16:15:29	Rearward LOS Prime - stop
05 April 2009	Sun	37102	37115			37109				
06 April 2009	Mon	37116	37130			37121	37116	500	06-Apr-2009 00:20:02	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
07 April 2009	Tue	37131	37144			37135	37131	500	07-Apr-2009 01:29:01	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
08 April 2009	Wed	37145	37158			37150	37145	500	08-Apr-2009 00:57:24	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
09 April 2009	Thu	37159	37173	37163	37164	37165	37163		09-Apr-2009 06:59:25	Rearward LOS Prime - start
							37164		09-Apr-2009 10:16:19	Rearward LOS Prime - stop
10 April 2009	Fri	37174	37187			37179				
11 April 2009	Sat	37188	37201			37193				
12 April 2009	Sun	37202	37216			37207				
13 April 2009	Mon	37217	37230			37221				
14 April 2009	Tue	37231	37244			37236				
15 April 2009	Wed	37245	37259			37250				
16 April 2009	Thu	37260	37273				37260	500	16-Apr-2009 01:46:16	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
17 April 2009	Fri	37274	37287				37274	500	17-Apr-2009 01:14:39	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
18 April 2009	Sat	37288	37301				37288	500	18-Apr-2009 00:43:02	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
19 April 2009	Sun	37302	37316	37306	37307	37308	37306		19-Apr-2009 06:46:19	Rearward LOS Prime - start
							37307		19-Apr-2009 10:02:23	Rearward LOS Prime - stop
20 April 2009	Mon	37317	37330			37322				
21 April 2009	Tue	37331	37344				37339			IF16 - Limb Scanning Sequences in raw data mode
							37340			IF16 - Limb Scanning Sequences in raw data mode

22 April 2009	Wed	37345	37359			37345	37349		22-Apr-2009 07:20:00	Transition to Standby (cooler switch off)
23 April 2009	Thu	37360	37373							
24 April 2009	Fri	37374	37387							
25 April 2009	Sat	37388	37402							
26 April 2009	Sun	37403	37416							
27 April 2009	Mon	37417	37430				37421		27-Apr-2009 08:00:00	Transition to Heater (cooler switch on)
28 April 2009	Tue	37431	37445							
29 April 2009	Wed	37446	37459			37458	37453		29-Apr-2009 14:00:00	Resume Measurement Mode
30 April 2009	Thu	37460	37473				37469			IF16 - Limb Scanning Sequences in raw data mode
							37470			IF16 - Limb Scanning Sequences in raw data mode
01 May 2009	Fri	37474	37488			37479				
02 May 2009	Sat	37489	37502			37493				
03 May 2009	Sun	37503	37516			37508				
04 May 2009	Mon	37517	37530			37522				
05 May 2009	Tue	37531	37545			37536				
06 May 2009	Wed	37546	37559			37551	37546	500	06-May-2009 01:17:31	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
07 May 2009	Thu	37560	37573			37565	37560	500	07-May-2009 00:45:54	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
08 May 2009	Fri	37574	37588			37579	37574	500	08-May-2009 00:14:17	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
09 May 2009	Sat	37589	37602	37592	37593	37594	37592		09-May-2009 06:19:42	Rearward LOS Prime - start
							37593		09-May-2009 09:35:38	Rearward LOS Prime - stop
10 May 2009	Sun	37603	37616			37609				
11 May 2009	Mon	37617	37631			37622				
12 May 2009	Tue	37632	37645			37636				
13 May 2009	Wed	37646	37659			37651				
14 May 2009	Thu	37660	37674			37665				
15 May 2009	Fri	37675	37688			37679				
16 May 2009	Sat	37689	37702			37694	37689	500	16-May-2009 01:03:09	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
17 May 2009	Sun	37703	37717			37708	37703	500	17-May-2009 00:31:32	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
18 May 2009	Mon	37718	37731			37722	37718	500	18-May-2009 01:40:31	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
19 May 2009	Tue	37732	37745	37736	37737	37738	37736		19-May-2009 07:46:16	Rearward LOS Prime - start
							37737		19-May-2009 10:55:26	Rearward LOS Prime - stop
20 May 2009	Wed	37746	37760			37752				
21 May 2009	Thu	37761	37774			37765				
22 May 2009	Fri	37775	37788			37780				
23 May 2009	Sat	37789	37802			37794				
24 May 2009	Sun	37803	37817			37808				
25 May 2009	Mon	37818	37831			37822				
26 May 2009	Tue	37832	37845			37837	37832	500	26-May-2009 00:48:46	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere

27 May 2009	Wed	37846	37860			37851	37846	500	27-May-2009 00:17:09	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
28 May 2009	Thu	37861	37874			37865	37861	500	28-May-2009 01:26:08	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
29 May 2009	Fri	37875	37888	37879	37880	37881	37879		29-May-2009 07:32:17	Rearward LOS Prime - start
							37880		29-May-2009 10:41:39	Rearward LOS Prime - stop
30 May 2009	Sat	37889	37903			37895				
31 May 2009	Sun	37904	37917			37908				
01 June 2009	Mon	37918	37931			37923				
02 June 2009	Tue	37932	37946			37937				
03 June 2009	Wed	37947	37960			37952				
04 June 2009	Thu	37961	37974			37966				
05 June 2009	Fri	37975	37989			37980	37975	500	05-Jun-2009 00:34:24	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
06 June 2009	Sat	37990	38003			37994	37990	500	06-Jun-2009 01:43:23	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
07 June 2009	Sun	38004	38017			38009	38004	500	07-Jun-2009 01:11:46	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
08 June 2009	Mon	38018	38031	38022	38023	38024	38022		08-Jun-2009 07:18:20	Rearward LOS Prime - start
							38023		08-Jun-2009 10:31:26	Rearward LOS Prime - stop
09 June 2009	Tue	38032	38046			38038				
10 June 2009	Wed	38047	38060			38052				
11 June 2009	Thu	38061	38074			38066				
12 June 2009	Fri	38075	38089			38080				
13 June 2009	Sat	38090	38103			38094				
14 June 2009	Sun	38104	38117			38109				
15 June 2009	Mon	38118	38132			38123	38118	500	15-Jun-2009 00:20:02	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
16 June 2009	Tue	38133	38146			38137	38133	500	16-Jun-2009 01:29:01	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
17 June 2009	Wed	38147	38160			38152	38147	500	17-Jun-2009 00:57:24	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
18 June 2009	Thu	38161	38175	38165	38166	38167	38165		18-Jun-2009 07:00:28	Rearward LOS Prime - start
							38166		18-Jun-2009 10:17:21	Rearward LOS Prime - stop
19 June 2009	Fri	38176	38189			38181				
20 June 2009	Sat	38190	38203			38195				
21 June 2009	Sun	38204	38218			38209				
22 June 2009	Mon	38219	38232			38223				
23 June 2009	Tue	38233	38246			38238				
24 June 2009	Wed	38247	38261			38252				
25 June 2009	Thu	38262	38275			38266	38262	500	25-Jun-2009 01:46:16	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
26 June 2009	Fri	38276	38289			38281	38276	500	26-Jun-2009 01:14:39	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
27 June 2009	Sat	38290	38303			38295	38290	500	27-Jun-2009 00:43:02	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
28 June 2009	Sun	38304	38318	38308	38309	38310	38308		28-Jun-2009 06:46:10	Rearward LOS Prime - start

						38309		28-Jun-2009 10:05:59	Rearward LOS Prime - stop
29 June 2009	Mon	38319	38332			38324			
30 June 2009	Tue	38333	38346			38338			
01 July 2009	Wed	38347	38361				38352		IF6 - CBB and DS SNR Characterisation
							38353		IF10 - NESR ₀ Verification
							38354		IF11 - Absence of High Resolution Features Verification in Gain
							38355		IF16 - Limb Scanning Sequences in raw data mode
							38356		IF16 - Limb Scanning Sequences in raw data mode
							38357	500	01-Jul-2009 17:03:08
							38361	500	01-Jul-2009 23:45:32
02 July 2009	Thu	38362	38375			38366			start IF9 - Offset Tangent Height Determination
03 July 2009	Fri	38376	38389			38381			stop IF9 - Offset Tangent Height Determination / start NOM - floating altitudes (new algo)
04 July 2009	Sat	38390	38404			38395			
05 July 2009	Sun	38405	38418			38409	38405	500	05-Jul-2009 01:31:53
06 July 2009	Mon	38419	38432			38424			stop NOM - floating altitudes (new algo) / start NLC - Noctilucent Clouds
07 July 2009	Tue	38433	38447			38438			
08 July 2009	Wed	38448	38461			38454	38448	500	08-Jul-2009 01:37:38
				38452	38453		38452		08-Jul-2009 08:12:35
							38453		08-Jul-2009 11:32:17
09 July 2009	Thu	38462	38475			38468			Rearward LOS Prime - start
10 July 2009	Fri	38476	38490			38481			Rearward LOS Prime - stop
11 July 2009	Sat	38491	38504			38495			
12 July 2009	Sun	38505	38518			38510			
13 July 2009	Mon	38519	38532			38524			
14 July 2009	Tue	38533	38547			38538			
15 July 2009	Wed	38548	38561			38553	38548	500	15-Jul-2009 01:17:31
16 July 2009	Thu	38562	38575			38567	38562	500	16-Jul-2009 00:45:54
17 July 2009	Fri	38576	38590			38581	38576	500	17-Jul-2009 00:14:17
18 July 2009	Sat	38591	38604	38594	38595	38596	38594		18-Jul-2009 06:17:56
							38595		18-Jul-2009 09:37:33
19 July 2009	Sun	38605	38618			38611			Rearward LOS Prime - start
20 July 2009	Mon	38619	38633			38624			Rearward LOS Prime - stop
21 July 2009	Tue	38634	38647			38638			
22 July 2009	Wed	38648	38661			38653			
23 July 2009	Thu	38662	38676			38667			
24 July 2009	Fri	38677	38690			38681			

25 July 2009	Sat	38691	38704			38696	38691	500	25-Jul-2009 01:03:09	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
26 July 2009	Sun	38705	38719			38710	38705	500	26-Jul-2009 00:31:32	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
27 July 2009	Mon	38720	38733			38724	38720	500	27-Jul-2009 01:40:31	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
28 July 2009	Tue	38734	38747	38738	38739	38740	38738		28-Jul-2009 07:44:36	Rearward LOS Prime - start
							38739		28-Jul-2009 11:03:49	Rearward LOS Prime - stop
29 July 2009	Wed	38748	38762			38754				
30 July 2009	Thu	38763	38776			38767				
31 July 2009	Fri	38777	38790			38782				
01 August 2009	Sat	38791	38804			38800	38791	500	01-Aug-2009 00:43:02	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
02 August 2009	Sun	38805	38819			38814	38805	500	02-Aug-2009 00:11:25	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
03 August 2009	Mon	38820	38833			38828	38820	500	03-Aug-2009 01:20:23	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
04 August 2009	Tue	38834	38847	38842	38843	38841	38842		04-Aug-2009 14:07:16	Rearward LOS Prime - start
							38843		04-Aug-2009 17:23:16	Rearward LOS Prime - stop
05 August 2009	Wed	38848	38862			38858				
06 August 2009	Thu	38863	38876			38871				
07 August 2009	Fri	38877	38890			38886				
08 August 2009	Sat	38891	38905			38900				
09 August 2009	Sun	38906	38919			38914				
10 August 2009	Mon	38920	38933			38929				
11 August 2009	Tue	38934	38948			38943	38934	500	11-Aug-2009 00:28:39	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
12 August 2009	Wed	38949	38962			38958	38949	500	12-Aug-2009 01:37:38	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
13 August 2009	Thu	38963	38976			38972	38963	500	13-Aug-2009 01:06:01	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
14 August 2009	Fri	38977	38991	38985	38986	38984	38985		14-Aug-2009 13:50:24	Rearward LOS Prime - start
							38986		14-Aug-2009 17:09:20	Rearward LOS Prime - stop
15 August 2009	Sat	38992	39005			39001				
16 August 2009	Sun	39006	39019			39015				
17 August 2009	Mon	39020	39033			39029				
18 August 2009	Tue	39034	39048			39043				
19 August 2009	Wed	39049	39062			39058				
20 August 2009	Thu	39063	39076			39072				
21 August 2009	Fri	39077	39091			39086	39077	500	21-Aug-2009 00:14:17	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
22 August 2009	Sat	39092	39105			39100	39092	500	22-Aug-2009 01:23:16	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
23 August 2009	Sun	39106	39119			39115	39106	500	23-Aug-2009 00:51:39	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
24 August 2009	Mon	39120	39134	39128	39129	39127	39128		24-Aug-2009 13:37:06	Rearward LOS Prime - start
							39129		24-Aug-2009 16:55:41	Rearward LOS Prime - stop

25 August 2009	Tue	39135	39148			39144				
26 August 2009	Wed	39149	39162			39158				
27 August 2009	Thu	39163	39177			39172				
28 August 2009	Fri	39178	39191			39186				
29 August 2009	Sat	39192	39205			39201				
30 August 2009	Sun	39206	39220			39215				
31 August 2009	Mon	39221	39234			39229	39221	500	31-Aug-2009 01:40:31	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
01 September 2009	Tue	39235	39248			39244	39235	500	01-Sep-2009 01:08:54	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
02 September 2009	Wed	39249	39263			39258	39249	500	02-Sep-2009 00:37:17	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
03 September 2009	Thu	39264	39277	39271	39272	39270	39271		03-Sep-2009 13:22:12	Rearward LOS Prime - start
							39272		03-Sep-2009 16:42:20	Rearward LOS Prime - stop
04 September 2009	Fri	39278	39291			39287				
05 September 2009	Sat	39292	39305			39301				
06 September 2009	Sun	39306	39320			39315				
07 September 2009	Mon	39321	39334			39329				
08 September 2009	Tue	39335	39348			39344				
09 September 2009	Wed	39349	39363			39358				
10 September 2009	Thu	39364	39377			39368	39364	500	10-Sep-2009 01:26:08	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
11 September 2009	Fri	39378	39391			39383	39378	500	11-Sep-2009 00:54:31	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
12 September 2009	Sat	39392	39406			39397	39392	500	12-Sep-2009 00:22:54	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
13 September 2009	Sun	39407	39420	39410	39411	39412	39410		13-Sep-2009 06:25:45	Rearward LOS Prime - start
							39411		13-Sep-2009 09:46:06	Rearward LOS Prime - stop
14 September 2009	Mon	39421	39434			39427				
15 September 2009	Tue	39435	39449			39440				
16 September 2009	Wed	39450	39463			39455				
17 September 2009	Thu	39464	39477			39469				
18 September 2009	Fri	39478	39492			39483				
19 September 2009	Sat	39493	39506			39497				
20 September 2009	Sun	39507	39520			39512	39507	500	20-Sep-2009 01:11:46	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
21 September 2009	Mon	39521	39534			39526	39521	500	21-Sep-2009 00:40:09	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
22 September 2009	Tue	39535	39549			39540	39535	500	22-Sep-2009 00:08:32	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
23 September 2009	Wed	39550	39563	39554	39555	39556	39554		23-Sep-2009 07:52:28	Rearward LOS Prime - start
							39555		23-Sep-2009 11:12:23	Rearward LOS Prime - stop
24 September 2009	Thu	39564	39577			39570				
25 September 2009	Fri	39578	39592			39583				
26 September 2009	Sat	39593	39606			39597				
27 September 2009	Sun	39607	39620			39612				

28 September 2009	Mon	39621	39635			39626				
29 September 2009	Tue	39636	39649			39640				
30 September 2009	Wed	39650	39663			39655	39650	500	30-Sep-2009 00:57:24	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
01 October 2009	Thu	39664	39678			39669	39664	500	01-Oct-2009 00:25:47	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
02 October 2009	Fri	39679	39692			39683	39679	500	02-Oct-2009 01:34:46	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
03 October 2009	Sat	39693	39706	39697	39698	39699	39697		03-Oct-2009 07:38:41	Rearward LOS Prime - start
							39698		03-Oct-2009 10:58:03	Rearward LOS Prime - stop
04 October 2009	Sun	39707	39721			39713				
05 October 2009	Mon	39722	39735			39726				
06 October 2009	Tue	39736	39749			39741				
07 October 2009	Wed	39750	39764			39755				
08 October 2009	Thu	39765	39778			39769				
09 October 2009	Fri	39779	39792			39784				
10 October 2009	Sat	39793	39806			39798	39793	500	10-Oct-2009 00:43:02	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
11 October 2009	Sun	39807	39821			39812	39807	500	11-Oct-2009 00:11:25	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
12 October 2009	Mon	39822	39835			39826	39822	500	12-Oct-2009 01:20:23	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
13 October 2009	Tue	39836	39849	39840	39841	39842	39840		13-Oct-2009 07:25:02	Rearward LOS Prime - start
							39841		13-Oct-2009 10:42:54	Rearward LOS Prime - stop
14 October 2009	Wed	39850	39864			39856				
15 October 2009	Thu	39865	39878			39869				
16 October 2009	Fri	39879	39892			39884				
17 October 2009	Sat	39893	39907			39898				
18 October 2009	Sun	39908	39921			39912				
19 October 2009	Mon	39922	39935			39927				
20 October 2009	Tue	39936	39950			39941	39936	500	20-Oct-2009 00:28:39	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
21 October 2009	Wed	39951	39964			39956	39951	500	21-Oct-2009 01:37:38	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
22 October 2009	Thu	39965	39978			39970	39965	500	22-Oct-2009 01:06:01	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
23 October 2009	Fri	39979	39993	39983	39984	39985	39983		23-Oct-2009 07:11:27	Rearward LOS Prime - start
							39984		23-Oct-2009 10:28:57	Rearward LOS Prime - stop
24 October 2009	Sat	39994	40007			39999				
25 October 2009	Sun	40008	40021			40013				
26 October 2009	Mon	40022	40035			40027				
27 October 2009	Tue	40036	40050			40041				
28 October 2009	Wed	40051	40064			40056				
29 October 2009	Thu	40065	40078			40070				
30 October 2009	Fri	40079	40093			40084	40079	500	30-Oct-2009 00:14:17	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere

31 October 2009	Sat	40094	40107			40098	40094	500	31-Oct-2009 01:23:16	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
01 November 2009	Sun	40108	40121			40113	40108	500	01-Nov-2009 00:51:39	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
02 November 2009	Mon	40122	40136	40126	40127	40128	40126		02-Nov-2009 06:54:17	Rearward LOS Prime - start
							40127		02-Nov-2009 10:14:55	Rearward LOS Prime - stop
03 November 2009	Tue	40137	40150			40142	40144-40145			IF16 - Limb Scanning Sequences in raw data mode
04 November 2009	Wed	40151	40164			40153	40155		04-Nov-2009 08:00:00	Transition to Standby (cooler switch off)
05 November 2009	Thu	40165	40179							
06 November 2009	Fri	40180	40193							
07 November 2009	Sat	40194	40207							
08 November 2009	Sun	40208	40222							
09 November 2009	Mon	40223	40236				40227		09-Nov-2009 08:40:00	Transition to Heater (cooler switch on)
10 November 2009	Tue	40237	40250							
11 November 2009	Wed	40251	40265				40255		11-Nov-2009 07:35:00	Heater Mode reached - CBB Heater Switch off
							40260		11-Nov-2009 16:00:00	Resume Measurement Mode
12 November 2009	Thu	40266	40279			40272-40273				
							40274-40275			IF16 - Limb Scanning Sequences in raw data mode
13 November 2009	Fri	40280	40293				40279-40283			IF4 - Non-Linearity Characterisation
							40284		Kiruna pass	command HL $\Rightarrow$ 0 (HL=0 for 37 orbits)
14 November 2009	Sat	40294	40307							
15 November 2009	Sun	40308	40322				40316-40320			IF4 - Non-Linearity Characterisation
							40321		Kiruna pass	command HL $\Rightarrow$ 6 (HL=6 for 37 orbits)
16 November 2009	Mon	40323	40336							
17 November 2009	Tue	40337	40350							
18 November 2009	Wed	40351	40365				40353-40357			IF4 - Non-Linearity Characterisation
							40358		Kiruna pass	command HL $\Rightarrow$ 7 (HL=7 for 18 orbits)
19 November 2009	Thu	40366	40379				40371-40375			IF4 - Non-Linearity Characterisation
							40376		Kiruna pass	command HL $\Rightarrow$ 4
20 November 2009	Fri	40380	40393							
21 November 2009	Sat	40394	40408			40396-40397				
							40398-40399			IF16 - Limb Scanning Sequences in raw data mode
22 November 2009	Sun	40409	40422	40412	40413	40414	40412		22-Nov-2009 06:25:11	Rearward LOS Prime - start
							40413		22-Nov-2009 09:45:22	Rearward LOS Prime - stop
23 November 2009	Mon	40423	40436			40429				

24 November 2009	Tue	40437	40451			40442				
25 November 2009	Wed	40452	40465			40457				
26 November 2009	Thu	40466	40479			40471				
27 November 2009	Fri	40480	40494			40485				
28 November 2009	Sat	40495	40508			40499				
29 November 2009	Sun	40509	40522			40514	40509	500	29-Nov-2009 01:11:46	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
30 November 2009	Mon	40523	40536			40528	40523	500	30-Nov-2009 00:40:09	stop MA - Middle Atmosphere / start UA - Upper Atmosphere
01 December 2009	Tue	40537	40551			40542	40537	500	01-Dec-2009 00:08:32	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
02 December 2009	Wed	40552	40565	40556	40557	40558	40556		02-Dec-2009 07:51:47	Rearward LOS Prime - start
							40557		02-Dec-2009 11:12:25	Rearward LOS Prime - stop
03 December 2009	Thu	40566	40579			40572				
04 December 2009	Fri	40580	40594			40585				
05 December 2009	Sat	40595	40608			40599				
06 December 2009	Sun	40609	40622			40614				
07 December 2009	Mon	40623	40637			40628				
08 December 2009	Tue	40638	40651			40642				
09 December 2009	Wed	40652	40665			40657				
10 December 2009	Thu	40666	40680			40671	40666	500	10-Dec-2009 00:25:47	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
11 December 2009	Fri	40681	40694			40685	40681	500	11-Dec-2009 01:34:46	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
12 December 2009	Sat	40695	40708	40699	40700	40701	40699		12-Dec-2009 07:36:44	Rearward LOS Prime - start
							40700		12-Dec-2009 10:57:35	Rearward LOS Prime - stop
13 December 2009	Sun	40709	40723			40715				
14 December 2009	Mon	40724	40737			40728				
15 December 2009	Tue	40738	40751			40743	40738	500	15-Dec-2009 01:08:54	stop NOM - floating altitudes (new algo) / start MA - Middle Atmosphere
16 December 2009	Wed	40752	40766			40757	40752	500	16-Dec-2009 00:37:17	stop MA - Middle Atmosphere / start NOM - floating altitudes (new algo)
17 December 2009	Thu	40767	40780			40771				
18 December 2009	Fri	40781	40794			40786				
19 December 2009	Sat	40795	40808			40800				
20 December 2009	Sun	40809	40823			40814	40809	500	20-Dec-2009 00:11:25	stop NOM - floating altitudes (new algo) / start UA - Upper Atmosphere
21 December 2009	Mon	40824	40837			40828	40824	500	21-Dec-2009 01:20:23	stop UA - Upper Atmosphere / start NOM - floating altitudes (new algo)
22 December 2009	Tue	40838	40851	40842	40843	40844	40842		22-Dec-2009 07:22:40	Rearward LOS Prime - start
							40843		22-Dec-2009 10:43:40	Rearward LOS Prime - stop
							40845			IF11 - Absence of High Resolution Features Verification in Gain
							40846	500	22-Dec-2009 14:13:34	start IF9 - Offset Tangent Height Determination

						40850	500	22-Dec-2009 20:55:57	stop IF9 - Offset Tangent Height Determination / start NOM - floating altitudes (new algo)
23 December 2009	Wed	40852	40866			40858			
24 December 2009	Thu	40867	40880			40871			
25 December 2009	Fri	40881	40894			40886	40881	500	25-Dec-2009 00:54:31
26 December 2009	Sat	40895	40909			40900	40895	500	26-Dec-2009 00:22:54
27 December 2009	Sun	40910	40923			40918			Aircraft Emissions SEMs (during NOM scenario)
28 December 2009	Mon	40924	40937			40933			Aircraft Emissions SEMs (during NOM scenario)
29 December 2009	Tue	40938	40952			40947			Aircraft Emissions SEMs (during NOM scenario)
30 December 2009	Wed	40953	40966			40958	40953	500	30-Dec-2009 01:37:38
31 December 2009	Thu	40967	40980			40972	40967	500	31-Dec-2009 01:06:01