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MTP and STP start and stop time period

<i>MTP</i>	<i>STP</i>	<i>VSTP</i>	<i>Execution Start</i>	<i>Execution End</i>
<i>MTP001</i>	STP001	VSTP001	2014-03-17T00:00:00	2014-04-06T00:00:00
<i>MTP002</i>	STP002	VSTP002	2014-04-06T00:00:00	2014-05-07T12:48:00
<i>MTP003</i>	STP003	VSTP003/VSTP004	2014-05-07T12:48:00	2014-05-21T11:51:00
	STP004	VSTP005/VSTP006	2014-05-21T11:51:00	2014-06-04T10:50:00
<i>MTP004</i>	STP005	VSTP007/VSTP008	2014-06-04T10:50:00	2014-06-18T09:44:00
	STP006	VSTP009/VSTP010	2014-06-18T09:44:00	2014-07-02T08:35:00
<i>MTP005</i>	STP007	VSTP011/VSTP012	2014-07-02T08:35:00	2014-07-09T08:00:00
	STP008	VSTP013/VSTP014	2014-07-09T08:00:00	2014-07-16T07:25:00
	STP009	VSTP015/VSTP016	2014-07-16T07:25:00	2014-07-23T06:50:00
	STP010	VSTP017/VSTP018	2014-07-23T06:50:00	2014-08-01T10:00:00
<i>MTP006</i>	STP011	VSTP019	2014-08-01T10:00:00	2014-08-05T10:00:00
	STP012	VSTP020/VSTP021	2014-08-05T10:00:00	2014-08-12T10:00:00
	STP013	VSTP022/VSTP023	2014-08-12T10:00:00	2014-08-19T10:00:00
	STP014	VSTP024/VSTP025	2014-08-19T10:00:00	2014-08-26T10:00:00
	STP015	VSTP026/VSTP027	2014-08-26T10:00:00	2014-09-02T10:00:00
<i>MTP007</i>	STP016	VSTP028/VSTP029	2014-09-02T10:00:00	2014-09-09T10:00:00
	STP017	VSTP030/VSTP031	2014-09-09T10:00:00	2014-09-16T10:00:00
	STP018	VSTP032/VSTP033	2014-09-16T10:00:00	2014-09-23T10:00:00
<i>MTP008</i>	STP019	VSTP034/VSTP035	2014-09-23T10:00:00	2014-09-28T10:00:00
	STP020	VSTP036/VSTP037	2014-09-28T10:00:00	2014-10-03T10:00:00
	STP021	VSTP038	2014-10-03T10:00:00	2014-10-07T10:00:00
	STP022	VSTP039/VSTP040	2014-10-07T10:00:00	2014-10-14T10:00:00
	STP023	VSTP041/VSTP042	2014-10-14T10:00:00	2014-10-21T10:00:00

	STP024	VSTP043	2014-10-21T10:00:00	2014-10-24T10:00:00
	STP025	VSTP044	2014-10-24T10:00:00Z	2014-10-27T10:00:00Z
		VSTP045	2014-10-27T10:00:00Z	2014-10-30T10:00:00Z
	STP026	VSTP046	2014-10-30T10:00:00Z	2014-11-02T10:00:00Z
		VSTP047	2014-11-02T10:00:00Z	2014-11-05T10:00:00Z
	MTP009	STP027	VSTP048	2014-11-05T10:00:00Z
VSTP049			2014-11-07T10:00:00Z	2014-11-09T00:00:00Z
VSTP050			2014-11-09T00:00:00Z	2014-11-11T00:00:00Z
STP028		VSTP051	2014-11-11T00:00:00Z	2014-11-12T04:00:00Z
		VSTP052	2014-11-12T04:00:00Z	2014-11-12T17:55:00Z
		VSTP053	2014-11-12T17:55:00Z	2014-11-14T04:25:00Z
		VSTP054	2014-11-14T04:25:00Z	2014-11-16T04:25:00Z
		VSTP055	2014-11-16T04:25:00Z	2014-11-18T23:25:00Z

STP001 and STP002 (MTP001 and MTP002)

Planning of activities

Instrument	Activity	Code	Duration (hrs)	Interactivity / monitoring	Order / timing	Comments
ROSINA	SW Patch to main DPU	RN01	4	Yes	1st sactivity to be performed. Before COPS commissioning	-
ROSINA	COPS commissioning	RN02	37.75	No	After DPU SW Update	Examine data from RN01 before RN02 starts.
ROSINA	DFMS commissioning	RN03	20.67	Yes	After COPS commissioning	Examine data from RN02 before RN03 starts. Only the cover check is interactive.
ROSINA	RTOF commisioning	RN04	34.67	Yes	After DFMS commissioning	Examine data from RN03 before RN04 starts. Only the cover check is interactive
ROSINA	COPS parallel operations with Lander	RN05	10	No	After COPS commissioning, as required by Lander	-
-	RN Total Duration	-	107.09	-	-	-

	Week-1 (24/03 - 30/03)		Week-2 (31/03 - 06/04)			Week-3 (07/04/ - 13/04)			Week-4 (14/04 - 20/04)	
	Sat 29		Mon 31	Tue 01	Wed 02	Thu 10	Fri 11	Sat 12		Tue 15
00:00	-	RN02	RN02	-	RN03	-	RN04	RN04	-	
01:00	-	RN02	RN02	-	RN03	-	RN04	RN04	-	
02:00	-	RN02	RN02	-	RN03	-	RN04	RN04	-	
03:00	-	RN02	RN02	-	-	-	RN04	RN04	-	
04:00	-	RN02	RN02	-	-	-	RN04	RN04	-	
05:00	-	RN02	RN02	-	-	-	RN04	RN04	-	
06:00	-	RN02	-	RN03	-	-	RN04	-	-	
07:00	-	RN02	-	RN03	-	-	RN04	-	-	
08:00	-	RN02	-	RN03	-	-	RN04	-	-	
09:00	-	RN02	-	RN03	-	-	RN04	-	-	
10:00	-	RN02	-	RN03	-	-	RN04	-	-	
11:00	-	RN02	-	RN03	-	-	RN04	-	RN05	
12:00	-	RN02	-	RN03	-	-	RN04	-	RN05	
13:00	-	RN02	-	RN03	-	-	RN04	-	RN05	
14:00	-	RN02	-	RN03	-	-	RN04	-	RN05	
15:00	-	RN02	-	RN03	-	-	RN04	-	RN05	
16:00	RN02	RN02	-	RN03	-	-	RN04	-	RN05	
17:00	RN02	RN02	-	RN03	-	-	RN04	-	RN05	
18:00	RN02	RN02	-	RN03	-	-	RN04	-	RN05	
19:00	RN02	RN02	-	RN03	-	RN04	RN04	-	RN05	
20:00	RN02	RN02	-	RN03	-	RN04	RN04	-	RN05	
21:00	RN02	RN02	-	RN03	-	RN04	RN04	-	-	
22:00	RN02	RN02	-	RN03	-	RN04	RN04	-	-	
23:00	RN02	RN02	-	RN03	-	RN04	RN04	-	-	

RN01: Software upload successfully performed (27-28.03.2014)

RN02 - RTOF Commissioning recovery

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
114_05:00:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	114_05:02:00
114_05:02:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	114_05:05:40
114_05:05:40	0	ROSINA	Mode	G5	0	0	220	114_05:09:20
114_05:07:40	0	COPS	Mode	322	1	0	60	114_05:08:40
114_05:12:20	0	ROSINA	Mode	G1	0	0	240	114_05:16:20
114_05:16:20	0	RTOF	Mode	51	2	0	1860	114_05:47:20
114_05:47:20	0	RTOF	Mode	511	6	0	2190	114_06:23:50
114_06:23:50	0	RTOF	Mode	171	1	0	530	114_06:32:40
114_06:32:40	0	RTOF	Mode	1	0	0	240	114_06:36:40
114_06:36:40	0	RTOF	Mode	53	2	0	1860	114_07:07:40
114_07:07:40	0	RTOF	Mode	513	6	0	2190	114_07:44:10
114_07:44:10	0	RTOF	Mode	173	2	0	740	114_07:56:30
114_07:56:30	0	RTOF	Mode	1	0	0	240	114_08:00:30
114_08:00:30	0	ROSINA	Mode	S1	0	0	220	114_08:04:10
114_08:04:10	0	RTOF	Mode	521	6	0	2190	114_08:40:40
114_08:40:40	0	RTOF	Mode	526	6	0	1520	114_09:06:00
114_09:06:00	0	RTOF	Mode	526	12	0	2920	114_09:54:40
114_09:54:40	0	RTOF	Mode	621	6	0	1520	114_10:20:00
114_10:20:00	0	RTOF	Mode	631	6	0	1520	114_10:45:20
114_10:45:20	0	RTOF	Mode	1	0	0	240	114_10:49:20
114_10:49:20	0	RTOF	Mode	523	6	0	2190	114_11:25:50
114_11:25:50	0	RTOF	Mode	553	6	0	1520	114_11:51:10
114_11:51:10	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	114_11:52:10
114_11:52:10	0	RTOF	Mode	523	0	0	250	114_11:56:20
114_16:22:40	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	114_16:23:40
114_16:23:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	114_16:27:40
114_16:27:40	0	RTOF	Mode	511	0	0	980	114_16:44:00
114_16:44:00	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	114_16:45:00
114_16:45:00	0	RTOF	Mode	511	0	0	250	114_16:49:10
114_20:49:10	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	114_20:50:10
114_20:50:10	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	114_20:54:10
114_20:54:10	0	RTOF	Flight sequence	ARNF014A	0	0	120	114_20:56:10

RN02 - DFMS Commissioning recovery

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
115_00:00:00	1	DFMS	Flight sequence	ARNF003A	0	0	120	115_00:02:00
115_00:02:00	0	DFMS	Mode	50	2	0	1800	115_00:32:00
115_00:32:00	0	DFMS	Mode	202	0	0	3360	115_01:28:00
115_01:28:00	0	DFMS	Mode	520	3	0	600	115_01:38:00
115_01:38:00	0	DFMS	Sequence	22	0	0	4740	115_02:57:00
115_02:57:00	0	DFMS	Mode	520	0	0	120	115_02:59:00
115_02:59:00	0	DFMS	Mode	570	0	0	120	115_03:01:00
115_03:01:00	0	DFMS	Mode	580	0	0	120	115_03:03:00
115_03:05:00	0	DFMS	Mode	520	0	0	120	115_03:07:00
115_03:07:00	0	DFMS	Mode	570	0	0	120	115_03:09:00
115_03:09:00	0	DFMS	Mode	580	0	0	120	115_03:11:00
115_03:11:00	0	DFMS	Mode	520	0	0	120	115_03:13:00
115_03:13:00	0	DFMS	Mode	570	0	0	120	115_03:15:00
115_03:15:00	0	DFMS	Mode	580	0	0	120	115_03:17:00
115_03:17:00	0	DFMS	Mode	520	0	0	120	115_03:19:00
115_03:19:00	0	DFMS	Mode	600	0	0	4320	115_04:31:00
115_04:31:00	0	DFMS	Sequence	54	0	0	1920	115_05:03:00
115_05:03:00	0	DFMS	Sequence	22	0	0	4740	115_06:22:00
115_06:22:00	0	DFMS	Mode	153	0	0	460	115_06:29:40
115_06:29:40	0	DFMS	Mode	151	0	0	240	115_06:33:40
115_06:33:40	0	DFMS	Mode	157	0	0	400	115_06:40:20
115_06:40:20	0	DFMS	Mode	601	0	0	4320	115_07:52:20
115_07:52:20	0	DFMS	Mode	602	0	0	4320	115_09:04:20
115_09:04:20	0	DFMS	Mode	515	0	0	540	115_09:13:20
115_09:13:20	0	DFMS	Mode	160	0	0	900	115_09:28:20
115_09:28:20	0	DFMS	Mode	320	0	0	7020	115_11:25:20
115_11:25:20	0	ROSINA	Flight sequence	ZRNP2002	0	0	120	115_11:27:20
115_11:27:20	0	DFMS	Command	Move DFMS cover to abs position 7			180	115_11:30:20
115_11:30:20	0	RTOF	Flight sequence	ARNF004A	0	0	240	115_11:34:20
115_11:34:20	0	RTOF	Flight sequence	ARNS061A	2	0	120	115_11:36:20

STP003 and STP004 (MTP003)

	Purpose	Name of observation	Boundary conditions	Duration	Max. power ROSINA	Opportunity windows	Sensors
1	Final RTOF optimization & Fine-tuning of DFMS	ROSINA_finetuning	none	36h	32	2014-05-09T16:00:00Z 2014-05-19T08:59:59Z	COPS+RTOF COPS+DFMS
2	Cover test RTOF	Cover_position_RTOF	SAA=0,90,90	3h	32	Adjacent to 1 Should not include WOL's	COPS+RTOF
3	All of ROSINA test	ROSINA_backgroundlogbookall	Stable pointing for 66h, small slew of SAA by +/-20° around +X, >20d after 1	72h	54	2014-05-23T16:00:00Z 2014-06-02T07:00:00Z	COPS+RTOF+DFMS
4	Background characterization together with RPC	RPCROSINA_background	SAA slew, 60,90,30 to 100,90,170, ROSINA lead	12h	54	2014-05-15T14:00:00Z 2014-05-16T11:59:59Z 2014-05-16T14:00:00Z 2014-05-17T11:59:59Z 2014-05-17T14:00:00Z 2014-05-18T11:59:59Z 2014-05-18T14:00:00Z 2014-05-19T11:59:59Z	All ROSINA+RPC
5	Attraction grid test together with RPC	RPC_ROSINA_interfer_	SAA given by ICA, RPC lead	8h	54	2014-05-23T14:00:00Z 2014-05-24T10:59:59Z 2014-05-24T14:00:00Z 2014-05-25T10:59:59Z 2014-05-25T14:00:00Z 2014-05-26T10:59:59Z 2014-05-26T14:00:00Z 2014-05-27T10:59:59Z	All ROSINA+RPC

STP003

Start time	Set Time	Instrument	Mode/Sequence	Mode/Sequence number	Cycle number	Repetition	Duration [s]	Stop time
130_14:30:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	130_14:32:00
130_14:32:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	130_14:35:40
130_14:35:40	0	COPS	Flight sequence	ARNF015A	0	0	120	130_14:37:40
130_14:37:40	0	COPS	Flight sequence	ARNF012A	0	0	370	130_14:43:50
130_14:43:50	0	DFMS	Flight sequence	ARNF003A	0	0	120	130_14:45:50
130_14:45:50	0	DFMS	Mode	222	0	0	5220	130_16:12:50
130_16:12:50	0	DFMS	Sequence	16	0	0	700	130_16:24:30
130_16:24:30	0	DFMS	Sequence	45	0	0	520	130_16:33:10
130_16:33:10	0	DFMS	Sequence	48	0	0	640	130_16:43:50
130_16:43:50	0	DFMS	Sequence	51	0	0	640	130_16:54:30
130_16:54:30	0	DFMS	Mode	250	0	0	5520	130_18:26:30
130_18:26:30	0	DFMS	Mode	1052	2	2	7830	130_20:37:00
130_20:37:00	0	DFMS	Mode	572	1	2	7200	130_22:37:00
130_22:37:00	0	DFMS	Sequence	34	0	6	35910	131_08:35:30
131_08:35:30	0	DFMS	Mode	1004	3	0	4400	131_09:48:50
131_09:48:50	0	DFMS	Sequence	19	0	0	1620	131_10:15:50
131_10:15:50	0	DFMS	Mode	163	0	0	720	131_10:27:50
131_10:27:50	0	DFMS	Mode	167	0	0	840	131_10:41:50
131_10:41:50	0	DFMS	Mode	590	10	0	1320	131_11:03:50
131_11:03:50	0	ROSINA	Flight sequence	ZRNP2002	0	0	120	131_11:05:50
131_14:15:00	1	DFMS	Sequence	28	0	1	11920	131_17:33:40
131_17:33:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	120	131_17:35:40
131_17:35:40	0	DFMS	Flight sequence	ARNF014B	0	0	240	131_17:39:40
131_17:39:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	131_17:43:40
131_17:43:40	0	RTOF	Mode	523	15	8	29970	132_02:03:10
132_02:27:10	0	RTOF	Mode	173	10	0	2330	132_03:06:00
132_03:07:50	0	RTOF	Mode	513	15	5	19500	132_08:32:50
132_08:48:50	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	132_08:52:50
132_08:52:50	0	RTOF	Mode	525	12	2	8670	132_11:17:20
132_11:30:20	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	132_11:34:20
132_14:15:00	1	RTOF	Mode	511	15	0	3970	132_15:21:10
132_15:23:50	0	RTOF	Mode	511	15	0	3250	132_16:18:00

132_16:20:40	0	RTOF	Mode	511	15	0	3250	132_17:14:50
132_17:17:30	0	RTOF	Mode	511	15	0	3250	132_18:11:40
132_18:14:20	0	RTOF	Mode	511	15	9	32500	133_03:16:00
133_03:42:40	0	RTOF	Flight sequence	ARNS061A	2	0	120	133_03:44:40
133_03:44:40	0	RTOF	Mode	511	8	0	1850	133_04:15:30
133_04:17:00	0	RTOF	Flight sequence	ARNS061A	4	0	120	133_04:19:00
133_04:19:00	0	RTOF	Mode	511	8	0	1850	133_04:49:50
133_04:51:20	0	RTOF	Flight sequence	ARNS061A	6	0	120	133_04:53:20
133_04:53:20	0	RTOF	Mode	511	8	0	1850	133_05:24:10
133_05:25:40	0	RTOF	Flight sequence	ARNS061A	8	0	120	133_05:27:40
133_05:27:40	0	RTOF	Mode	511	8	0	1850	133_05:58:30
133_06:00:00	0	RTOF	Flight sequence	ARNS061A	10	0	120	133_06:02:00
133_06:02:00	0	RTOF	Mode	511	8	0	1850	133_06:32:50
133_06:34:20	0	RTOF	Flight sequence	ARNS061A	12	0	120	133_06:36:20
133_06:36:20	0	RTOF	Mode	511	8	0	1850	133_07:07:10
133_07:08:40	0	RTOF	Flight sequence	ARNS061A	14	0	120	133_07:10:40
133_07:10:40	0	RTOF	Mode	511	8	0	1850	133_07:41:30
133_07:43:00	0	RTOF	Flight sequence	ARNS061A	1	0	120	133_07:45:00
133_07:45:00	0	RTOF	Mode	511	8	0	1850	133_08:15:50
133_08:17:20	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	133_08:21:20
133_08:21:20	0	RTOF	Mode	515	15	2	10470	133_11:15:50
133_11:31:50	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	133_11:35:50
133_14:15:00	1	RTOF	Mode	183	6	0	2230	133_14:52:10
133_14:52:10	0	RTOF	Mode	543	15	0	3430	133_15:49:20
133_15:49:20	0	RTOF	Mode	523	10	1	4740	133_17:08:20
133_17:08:20	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	133_17:12:20
133_17:12:20	0	RTOF	Flight sequence	ARNF014A	0	0	120	133_17:14:20
133_17:14:20	0	COPS	Mode	0	1	0	60	133_17:15:20
133_17:15:20	0	COPS	Flight sequence	ARNF011A	0	0	210	133_17:18:50
133_17:18:50	0	ROSINA	Flight sequence	ARNF051A	0	0	60	133_17:19:50
138_16:00:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	138_16:02:00
138_16:02:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	138_16:05:40
138_16:05:40	0	COPS	Flight sequence	ARNF015A	0	0	120	138_16:07:40
138_16:07:40	0	COPS	Flight sequence	ARNF012A	0	0	370	138_16:13:50

138_16:13:50	0	DFMS	Flight sequence	ARNF003A	0	0	120	138_16:15:50
138_16:15:50	0	DFMS	Mode	222	0	0	5220	138_17:42:50
138_16:16:50	0	RTOF	Flight sequence	ARNF004A	0	0	240	138_16:20:50
138_16:20:50	0	RTOF	Mode	521	3	0	1560	138_16:46:50
138_16:46:50	0	RTOF	Mode	171	3	0	970	138_17:03:00
138_17:03:00	0	RTOF	Mode	521	15	13	47760	139_06:19:00
138_17:42:50	0	DFMS	Sequence	16	0	0	700	138_17:54:30
138_17:54:30	0	DFMS	Sequence	28	0	13	33720	139_03:16:30
139_03:16:30	0	DFMS	Sequence	34	0	1	10260	139_06:07:30
139_06:07:30	0	DFMS	Mode	222	0	0	3600	139_07:07:30
139_06:19:00	0	RTOF	Mode	521	15	0	3410	139_07:15:50
139_07:15:50	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	139_07:19:50
139_07:19:50	0	RTOF	Flight sequence	ARNF014A	0	0	120	139_07:21:50
139_07:21:50	0	DFMS	Flight sequence	ARNF014B	0	0	240	139_07:25:50
139_07:25:50	0	COPS	Flight sequence	ARNF011A	0	0	210	139_07:29:20
139_07:29:20	0	ROSINA	Flight sequence	ARNF051A	0	0	60	139_07:30:20

STP004

Start time	Set Time	Instrument	Mode/Sequence	Mode/Sequence number	Cycle number	Repetition	Duration [s]	Stop time
146_14:00:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	146_14:02:00
146_14:02:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	146_14:05:40
146_14:15:00	1	COPS	Flight sequence	ARNF015A	0	0	120	146_14:17:00
146_14:17:00	0	COPS	Mode	322	1	0	60	146_14:18:00
146_14:18:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	146_14:22:00
146_14:22:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	146_14:24:00
146_14:24:00	0	RTOF	Mode	51	2	0	1860	146_14:55:00
146_14:25:00	0	DFMS	Mode	50	2	0	1800	146_14:55:00
146_14:55:00	0	DFMS	Mode	222	0	0	3720	146_15:57:00
146_14:56:00	0	RTOF	Mode	511	15	3	13670	146_18:43:50
146_15:57:00	0	DFMS	Mode	520	9	2	3600	146_16:57:00
146_17:00:00	1	DFMS	Mode	570	4	0	600	146_17:10:00
146_17:10:00	0	DFMS	Mode	520	4	0	600	146_17:20:00
146_17:20:00	0	DFMS	Mode	580	4	0	600	146_17:30:00
146_17:30:00	0	DFMS	Mode	570	4	0	600	146_17:40:00

146_17:40:00	0	DFMS	Mode	520	4	0	600	146_17:50:00
146_17:50:00	0	DFMS	Mode	580	4	0	600	146_18:00:00
146_18:00:00	0	DFMS	Mode	570	4	0	600	146_18:10:00
146_18:10:00	0	DFMS	Mode	520	4	0	600	146_18:20:00
146_18:20:00	0	DFMS	Mode	580	4	0	600	146_18:30:00
146_18:30:00	0	DFMS	Mode	570	4	0	600	146_18:40:00
146_18:40:00	0	DFMS	Mode	520	4	0	600	146_18:50:00
146_18:50:00	0	DFMS	Mode	580	4	0	600	146_19:00:00
146_19:00:00	0	DFMS	Sequence	22	0	0	4740	146_20:19:00
146_19:00:30	1	RTOF	Mode	621	1	0	470	146_19:08:20
146_19:10:00	1	RTOF	Mode	511	1	0	470	146_19:17:50
146_19:20:00	1	RTOF	Mode	631	1	0	470	146_19:27:50
146_19:30:00	1	RTOF	Mode	621	1	0	450	146_19:37:30
146_19:40:00	1	RTOF	Mode	511	1	0	470	146_19:47:50
146_19:50:00	1	RTOF	Mode	631	1	0	470	146_19:57:50
146_20:00:00	1	RTOF	Mode	621	1	0	450	146_20:07:30
146_20:10:00	1	RTOF	Mode	511	1	0	470	146_20:17:50
146_20:19:00	0	DFMS	Sequence	22	0	2	14220	147_00:16:00
146_20:20:00	1	RTOF	Mode	631	1	0	470	146_20:27:50
146_20:30:00	1	RTOF	Mode	621	1	0	450	146_20:37:30
146_20:40:00	1	RTOF	Mode	511	1	0	470	146_20:47:50
146_20:50:00	1	RTOF	Mode	631	1	0	470	146_20:57:50
146_21:00:00	1	RTOF	Mode	621	1	0	450	146_21:07:30
146_21:10:00	1	RTOF	Mode	511	1	0	470	146_21:17:50
146_21:20:00	1	RTOF	Mode	631	1	0	470	146_21:27:50
146_21:30:00	1	RTOF	Mode	621	1	0	450	146_21:37:30
146_21:40:00	1	RTOF	Mode	511	1	0	470	146_21:47:50
146_21:50:00	1	RTOF	Mode	631	1	0	470	146_21:57:50
146_22:00:00	1	RTOF	Mode	621	1	0	450	146_22:07:30
146_22:10:00	1	RTOF	Mode	511	1	0	470	146_22:17:50
146_22:20:00	1	RTOF	Mode	631	1	0	470	146_22:27:50
146_22:30:00	1	RTOF	Mode	621	1	0	450	146_22:37:30
146_22:40:00	1	RTOF	Mode	511	1	0	470	146_22:47:50
146_22:50:00	1	RTOF	Mode	631	1	0	470	146_22:57:50
146_23:00:00	1	RTOF	Mode	621	1	0	450	146_23:07:30

146_23:10:00	1	RTOF	Mode	511	1	0	470	146_23:17:50
146_23:20:00	1	RTOF	Mode	631	1	0	470	146_23:27:50
146_23:30:00	1	RTOF	Mode	621	1	0	450	146_23:37:30
146_23:40:00	1	RTOF	Mode	511	1	0	470	146_23:47:50
146_23:50:00	1	RTOF	Mode	631	1	0	470	146_23:57:50
147_00:00:00	1	RTOF	Mode	621	1	0	450	147_00:07:30
147_00:10:00	1	RTOF	Mode	511	1	0	470	147_00:17:50
147_00:20:00	1	RTOF	Mode	631	1	0	470	147_00:27:50
147_00:30:00	1	RTOF	Mode	621	1	0	450	147_00:37:30
147_00:40:00	1	RTOF	Mode	511	1	0	470	147_00:47:50
147_00:50:00	1	RTOF	Mode	631	1	0	470	147_00:57:50
147_01:00:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	147_01:04:00
147_01:04:00	0	COPS	Mode	0	1	0	60	147_01:05:00
147_01:05:00	0	DFMS	Flight sequence	ARNF014B	0	0	240	147_01:09:00
147_01:09:00	0	RTOF	Flight sequence	ARNF014A	0	0	120	147_01:11:00
147_01:11:00	0	COPS	Flight sequence	ARNF011A	0	0	210	147_01:14:30
147_01:14:30	0	ROSINA	Flight sequence	ARNF051A	0	0	60	147_01:15:30
148_13:05:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	148_13:07:00
148_13:07:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	148_13:10:40
148_13:20:40	1	COPS	Flight sequence	ARNF015A	0	0	120	148_13:22:40
148_13:22:40	0	COPS	Mode	322	1	0	60	148_13:23:40
148_13:23:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	148_13:27:40
148_13:27:40	0	RTOF	Mode	51	2	0	1860	148_13:58:40
148_13:58:40	0	RTOF	Mode	511	12	0	3450	148_14:56:10
148_14:56:10	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	148_14:57:10
148_14:57:10	0	RTOF	Mode	511	0	0	250	148_15:01:20
148_21:01:20	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	148_21:02:20
148_21:02:20	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	148_21:06:20
148_21:16:20	1	RTOF	Mode	521	2	0	1400	148_21:39:40
148_21:39:40	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	148_21:40:40
148_21:40:40	0	RTOF	Mode	521	0	0	250	148_21:44:50
149_03:44:50	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	149_03:45:50
149_03:45:50	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	149_03:49:50
149_03:54:50	1	RTOF	Mode	516	0	0	980	149_04:11:10

149_04:11:10	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	149_04:12:10
149_04:12:10	0	RTOF	Mode	516	0	0	250	149_04:16:20
149_10:11:20	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	149_10:12:20
149_10:12:20	0	RTOF	Mode	171	4	0	1180	149_10:32:00
149_10:32:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	149_10:36:00
149_13:00:00	1	RTOF	Mode	513	0	0	980	149_13:16:20
149_13:16:20	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	149_13:17:20
149_13:17:20	0	RTOF	Mode	513	0	0	250	149_13:21:30
149_19:21:30	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	149_19:22:30
149_19:22:30	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	149_19:26:30
149_19:26:30	0	DFMS	Flight sequence	ARNF003A	0	0	120	149_19:28:30
149_19:28:30	0	DFMS	Sequence	28	0	8	22320	150_01:40:30
149_19:29:30	0	RTOF	Mode	511	15	15	55280	150_10:50:50
150_10:50:50	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	150_10:54:50
150_12:30:00	1	DFMS	Mode	51	0	0	3600	150_13:30:00
150_12:31:00	1	RTOF	Mode	51	5	0	3710	150_13:32:50
150_13:30:00	0	DFMS	Sequence	22	0	15	75960	151_10:36:00
150_13:32:50	0	RTOF	Mode	511	15	20	72280	151_09:37:30
151_10:36:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	151_10:40:00
151_10:40:00	0	COPS	Mode	332	1	0	60	151_10:41:00
151_11:00:00	1	RTOF	Mode	51	12	0	7910	151_13:11:50
151_11:01:00	1	DFMS	Mode	51	1	0	7200	151_13:01:00
151_13:01:00	0	DFMS	Mode	222	0	0	3720	151_14:03:00
151_13:11:50	0	RTOF	Mode	511	6	0	2190	151_13:48:20
151_13:48:20	0	RTOF	Mode	171	4	0	1160	151_14:07:40
151_14:03:00	0	DFMS	Mode	152	0	0	460	151_14:10:40
151_14:10:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	151_14:14:40
151_14:14:40	0	DFMS	Flight sequence	ARNF014B	0	0	240	151_14:18:40
151_14:18:40	0	RTOF	Flight sequence	ARNF014A	0	0	120	151_14:20:40
151_14:20:40	0	COPS	Mode	0	1	0	60	151_14:21:40
151_14:21:40	0	COPS	Flight sequence	ARNF011A	0	0	210	151_14:25:10
151_14:25:10	0	ROSINA	Flight sequence	ARNF051A	0	0	60	151_14:26:10

STP005 and STP006 (MTP004)

	Purpose	Name	Boundary conditions	Duration	Max. power ROSINA	Opportunity windows	Remarks
1	All of ROSINA test	ROSINA_background	none	72h	54	2014-06-06T13:00:00Z 2014-06-16T06:59:59Z 2014-06-21T13:00:00Z 2014-06-30T06:59:59Z	COPS + RTOF + DFMS
2	Compression test RTOF	RTOF_compression	none	6h	32	Adjacent to 1 Should not include WOL's	COPS + RTOF
3	Background characterization	RPCROSINA_background	SAA slew , ROSINA lead	12h	54	2014-06-21T11:30:00Z 2014-06-22T08:59:59Z 2014-06-22T11:30:00Z 2014-06-23T08:59:59Z 2014-06-23T11:00:00Z 2014-06-24T08:59:59Z 2014-06-24T11:00:00Z 2014-06-25T08:29:59Z 2014-06-25T11:00:00Z 2014-06-26T08:29:59Z	All ROSINA + RPC

Reasoning

MTP003:

1. The time during commissioning is not sufficient to finish the fine tuning of ROSINA, especially the optimization of RTOF, which is still a follow-up task from the change in operation of high voltages which was due to discharges. The 36h could be split into two 18h slots.
2. There is excessive noise on the RTOF detector seen at a SAA of 0, 90, 90. By positioning the cover in the right position we hope to block the Sun from reaching the detectors. This position has to be found by moving the cover in a few steps and taking spectra.
3. In order to get a handle on the background issue we have to measure the spacecraft background while we are still far from the comet. Once we are close we will never be outside the coma again. This will be done in several steps: the first step is ROSINA only. By heating the ion sources and then comparing spectra

measured by RTOF, DFMS and the density by COPS over the full mass range we will develop a basis for the S/C background under nominal, non-slewing conditions, as a function of time. We will also explore the effect of WOL's to see how long the effect lasts.

4. As the mechanism how the background gas gets into the FOV of the MS is largely unknown a slew of the S/C over the SAA together with plasma data from RPC (ions, photoelectrons, plasma densities, S/C charging, etc.) may help to unravel this. Therefore combined RPC-ROSINA measurements are planned and should be performed twice, once in MTP3 and then in MTP4, in order to adjust the settings for the second slew.

5. ROSINA has two attraction grids, one for RTOF, one for DFMS, which can be put to +/- 50V. The effect on the RPC sensors, mainly IES and ICA has to be explored by measuring solar wind and at the same time switching the power on these grids.

MTP004:

1. The background test should be repeated with different parameters for the sensors and the optimized parameters for RTOF, the cover position and the compression factor, which cannot be done due to planning lead times in MTP003.

2. The quality of the data compression for RTOF in flight has to be explored by changing the compression factor. This cannot be done in the lab as the noise characteristics in flight are slightly different.

3. see MTP003/4

STP005 and STP006

Start time	Set Time	Instrument	Mode/Sequence	Mode/Sequence number	Cycle number	Repetition	Duration [s]	Stop time
176_10:39:30	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	176_10:41:30
176_10:41:30	0	ROSINA	Flight sequence	ARNF002A	0	0	220	176_10:45:10
176_10:45:10	0	COPS	Flight sequence	ARNF015A	0	0	120	176_10:47:10
176_10:47:10	0	COPS	Mode	322	1	0	60	176_10:48:10
176_10:48:10	0	RTOF	Flight sequence	ARNF004A	0	0	240	176_10:52:10
176_10:52:10	0	DFMS	Flight sequence	ARNF003A	0	0	120	176_10:54:10
176_10:54:10	0	RTOF	Mode	51	2	0	1860	176_11:25:10
176_10:55:10	0	DFMS	Mode	50	2	0	1800	176_11:25:10
176_11:25:10	0	DFMS	Mode	222	0	0	3720	176_12:27:10
176_11:26:10	0	RTOF	Mode	511	15	3	14310	176_15:24:40
176_12:27:10	0	DFMS	Mode	520	9	2	3600	176_13:27:10
176_13:27:10	0	DFMS	Mode	570	4	0	600	176_13:37:10

176_13:37:10	0	DFMS	Mode	520	4	0	600	176_13:47:10
176_13:47:10	0	DFMS	Mode	580	4	0	600	176_13:57:10
176_13:57:10	0	DFMS	Mode	570	4	0	600	176_14:07:10
176_14:07:10	0	DFMS	Mode	520	4	0	600	176_14:17:10
176_14:17:10	0	DFMS	Mode	580	4	0	600	176_14:27:10
176_14:27:10	0	DFMS	Mode	570	4	0	600	176_14:37:10
176_14:37:10	0	DFMS	Mode	520	4	0	600	176_14:47:10
176_14:47:10	0	DFMS	Mode	580	4	0	600	176_14:57:10
176_14:57:10	0	DFMS	Mode	570	4	0	600	176_15:07:10
176_15:07:10	0	DFMS	Mode	520	4	0	600	176_15:17:10
176_15:17:10	0	DFMS	Mode	580	4	0	600	176_15:27:10
176_15:24:40	0	RTOF	Mode	621	1	0	490	176_15:32:50
176_15:27:10	0	DFMS	Sequence	22	0	4	23700	176_22:02:10
176_15:32:50	0	RTOF	Mode	511	1	0	490	176_15:41:00
176_15:41:00	0	RTOF	Mode	631	1	0	490	176_15:49:10
176_15:49:10	0	RTOF	Mode	621	1	0	470	176_15:57:00
176_15:57:00	0	RTOF	Mode	511	1	0	490	176_16:05:10
176_16:05:10	0	RTOF	Mode	631	1	0	490	176_16:13:20
176_16:13:20	0	RTOF	Mode	621	1	0	470	176_16:21:10
176_16:21:10	0	RTOF	Mode	511	1	0	490	176_16:29:20
176_16:29:20	0	RTOF	Mode	631	1	0	490	176_16:37:30
176_16:37:30	0	RTOF	Mode	621	1	0	470	176_16:45:20
176_16:45:20	0	RTOF	Mode	511	1	0	490	176_16:53:30
176_16:53:30	0	RTOF	Mode	511	1	0	470	176_17:01:20
176_17:01:20	0	RTOF	Mode	631	1	0	490	176_17:09:30
176_17:09:30	0	RTOF	Mode	621	1	0	470	176_17:17:20
176_17:17:20	0	RTOF	Mode	511	1	0	490	176_17:25:30
176_17:25:30	0	RTOF	Mode	631	1	0	490	176_17:33:40
176_17:33:40	0	RTOF	Mode	621	1	0	470	176_17:41:30
176_17:41:30	0	RTOF	Mode	511	1	0	490	176_17:49:40
176_17:49:40	0	RTOF	Mode	631	1	0	490	176_17:57:50
176_17:57:50	0	RTOF	Mode	621	1	0	470	176_18:05:40
176_18:05:40	0	RTOF	Mode	511	1	0	490	176_18:13:50
176_18:13:50	0	RTOF	Mode	631	1	0	490	176_18:22:00
176_18:22:00	0	RTOF	Mode	621	1	0	470	176_18:29:50

176_18:29:50	0	RTOF	Mode	511	1	0	490	176_18:38:00
176_18:38:00	0	RTOF	Mode	631	1	0	490	176_18:46:10
176_18:46:10	0	RTOF	Mode	621	1	0	470	176_18:54:00
176_18:54:00	0	RTOF	Mode	511	1	0	490	176_19:02:10
176_19:02:10	0	RTOF	Mode	631	1	0	490	176_19:10:20
176_19:10:20	0	RTOF	Mode	621	1	0	470	176_19:18:10
176_19:18:10	0	RTOF	Mode	511	1	0	490	176_19:26:20
176_19:26:20	0	RTOF	Mode	631	1	0	490	176_19:34:30
176_19:34:30	0	RTOF	Mode	621	1	0	470	176_19:42:20
176_19:42:20	0	RTOF	Mode	511	1	0	490	176_19:50:30
176_19:50:30	0	RTOF	Mode	631	1	0	490	176_19:58:40
176_19:58:40	0	RTOF	Mode	521	6	0	1520	176_20:24:00
176_20:24:00	0	RTOF	Flight sequence	ARNS061A	5	0	120	176_20:26:00
176_20:26:00	0	RTOF	Flight sequence	ARNS061A	10	0	120	176_20:28:00
176_20:28:00	0	RTOF	Flight sequence	ARNS061A	14	0	120	176_20:30:00
176_20:30:00	0	RTOF	Mode	521	15	10	37510	177_06:55:10
176_22:02:10	0	DFMS	Sequence	16	0	0	700	176_22:13:50
176_22:13:50	0	DFMS	Sequence	34	0	6	36030	177_08:14:20
177_06:55:10	0	RTOF	Mode	521	3	0	890	177_07:10:00
177_07:10:00	0	RTOF	Flight sequence	ARNS061A	8	0	120	177_07:12:00
177_07:12:00	0	RTOF	Flight sequence	ARNS061A	4	0	120	177_07:14:00
177_07:14:00	0	RTOF	Flight sequence	ARNS061A	1	0	120	177_07:16:00
177_08:14:20	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	177_08:18:20
177_08:18:20	0	DFMS	Flight sequence	ARNF014B	0	0	125	177_08:20:25
177_08:20:25	0	RTOF	Flight sequence	ARNF014A	0	0	120	177_08:22:25
177_08:22:25	0	COPS	Mode	0	1	0	60	177_08:23:25
177_08:23:25	0	COPS	Flight sequence	ARNF011A	0	0	210	177_08:26:55
177_08:26:55	0	ROSINA	Flight sequence	ARNF051A	0	0	60	177_08:27:55
178_12:00:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	178_12:02:00
178_12:02:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	178_12:05:40
178_12:05:40	0	COPS	Flight sequence	ARNF015A	0	0	120	178_12:07:40
178_12:07:40	0	COPS	Mode	332	1	0	60	178_12:08:40
178_12:08:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	178_12:12:40

178_12:12:40	0	RTOF	Mode	511	4	0	1770	178_12:42:10
178_12:42:10	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	178_12:43:10
178_12:43:10	0	RTOF	Mode	511	0	0	250	178_12:47:20
178_16:47:20	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	178_16:48:20
178_16:48:20	0	RTOF	Mode	521	3	0	910	178_17:03:30
178_17:03:30	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	178_17:04:30
178_17:04:30	0	RTOF	Mode	521	0	0	250	178_17:08:40
178_21:08:40	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	178_21:09:40
178_21:11:40	1	RTOF	Mode	526	3	0	890	178_21:26:30
178_21:26:30	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	178_21:27:30
178_21:27:30	0	RTOF	Mode	526	0	0	250	178_21:31:40
179_01:33:40	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	179_01:34:40
179_01:34:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	179_01:38:40
179_01:50:00	1	RTOF	Mode	513	3	0	1610	179_02:16:50
179_02:16:50	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	179_02:17:50
179_02:17:50	0	RTOF	Mode	513	0	0	250	179_02:22:00
179_08:50:00	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	179_08:51:00
179_08:51:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	179_08:55:00
179_10:30:00	1	RTOF	Mode	523	10	0	3080	179_11:21:20
179_11:21:20	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	179_11:22:20
179_11:22:20	0	RTOF	Mode	523	0	0	250	179_11:26:30
179_17:26:30	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	179_17:27:30
179_17:27:30	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	179_17:31:30
179_17:31:30	0	RTOF	Mode	515	5	0	2090	179_18:06:20
179_18:06:20	0	RTOF	Mode	525	5	0	1390	179_18:29:30
179_18:29:30	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	179_18:33:30
179_18:34:00	1	DFMS	Flight sequence	ARNF003A	0	0	120	179_18:36:00
179_18:36:00	0	DFMS	Mode	222	0	0	5220	179_20:03:00
179_18:37:00	0	RTOF	Mode	171	5	0	2040	179_19:11:00
179_19:11:00	0	RTOF	Mode	511	5	0	1310	179_19:32:50
179_19:32:50	0	RTOF	Mode	841	5	0	1310	179_19:54:40
179_19:54:40	0	RTOF	Mode	851	5	0	1310	179_20:16:30
179_20:03:00	0	DFMS	Sequence	16	0	0	700	179_20:14:40

179_20:14:40	0	DFMS	Sequence	45	0	0	520	179_20:23:20
179_20:16:30	0	RTOF	Mode	521	5	0	1330	179_20:38:40
179_20:23:20	0	DFMS	Sequence	48	0	0	640	179_20:34:00
179_20:34:00	0	DFMS	Sequence	51	0	0	640	179_20:44:40
179_20:38:40	0	RTOF	Mode	861	5	0	1330	179_21:00:50
179_20:44:40	0	DFMS	Sequence	42	0	3	25320	180_03:46:40
179_21:00:50	0	RTOF	Mode	871	5	0	1310	179_21:22:40
179_21:22:40	0	RTOF	Mode	521	15	10	37530	180_07:48:10
180_03:46:40	0	DFMS	Mode	222	0	3	14400	180_07:46:40
180_07:46:40	0	DFMS	Mode	502	0	1	2400	180_08:26:40
180_08:26:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	180_08:30:40
180_08:30:40	0	DFMS	Mode	51	1	0	7200	180_10:30:40
180_08:31:40	0	RTOF	Mode	51	11	0	7310	180_10:33:30
180_10:45:00	1	DFMS	Mode	600	0	0	4320	180_11:57:00
180_10:47:00	1	RTOF	Mode	521	15	12	44350	180_23:06:10
180_11:57:00	0	DFMS	Mode	601	0	0	4320	180_13:09:00
180_13:09:00	0	DFMS	Mode	602	0	0	4320	180_14:21:00
180_14:21:00	0	DFMS	Mode	1052	4	0	4350	180_15:33:30
180_15:33:30	0	DFMS	Sequence	54	0	3	7200	180_17:33:30
180_17:33:30	0	DFMS	Sequence	19	0	0	1620	180_18:00:30
180_18:00:30	0	DFMS	Sequence	25	0	0	15720	180_22:22:30
180_22:22:30	0	DFMS	Sequence	31	0	0	4000	180_23:29:10
180_23:06:10	0	RTOF	Mode	171	5	0	1390	180_23:29:20
180_23:29:10	0	DFMS	Sequence	38	0	2	9840	181_02:13:10
180_23:29:20	0	RTOF	Mode	521	15	8	30710	181_08:01:10
181_02:13:10	0	DFMS	Mode	590	10	0	1320	181_02:35:10
181_02:35:10	0	DFMS	Mode	262	0	0	2700	181_03:20:10
181_03:20:10	0	DFMS	Mode	505	2	0	1650	181_03:47:40
181_03:47:40	0	DFMS	Mode	515	2	0	1260	181_04:08:40
181_04:08:40	0	DFMS	Mode	572	5	0	7320	181_06:10:40
181_06:10:40	0	DFMS	Mode	500	0	0	360	181_06:16:40
181_06:16:40	0	DFMS	Mode	502	0	0	1200	181_06:36:40
181_06:36:40	0	DFMS	Mode	222	0	0	3600	181_07:36:40

181_07:36:40	0	DFMS	Mode	222	0	0	3600	181_08:36:40
181_08:36:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	181_08:40:40
181_10:15:00	1	DFMS	Mode	222	0	0	4320	181_11:27:00
181_10:17:00	1	RTOF	Flight sequence	ARNS061A	10	0	120	181_10:19:00
181_10:19:00	0	RTOF	Flight sequence	ARNS061A	5	0	120	181_10:21:00
181_10:21:00	0	RTOF	Flight sequence	ARNS061A	1	0	120	181_10:23:00
181_10:23:00	0	RTOF	Mode	511	14	0	3720	181_11:25:00
181_11:27:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	181_11:31:00
181_11:31:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	181_11:33:05
181_11:33:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	181_11:35:05
181_11:35:05	0	COPS	Mode	0	1	0	60	181_11:36:05
181_11:36:05	0	COPS	Flight sequence	ARNF011A	0	0	210	181_11:39:35
181_11:39:35	0	ROSINA	Flight sequence	ARNF051A	0	0	60	181_11:40:35

STP007

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
185_02:35:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	185_02:37:00
185_02:37:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	185_02:40:40
185_02:40:40	0	COPS	Flight sequence	ARNF015A	0	0	120	185_02:42:40
185_02:42:40	0	COPS	Mode	332	1	0	60	185_02:43:40
186_09:50:00	1	COPS	Mode	332	1	0	60	186_09:51:00
187_09:45:00	1	COPS	Mode	332	1	0	60	187_09:46:00
188_09:40:00	1	COPS	Mode	332	1	0	60	188_09:41:00
189_08:00:00	1	COPS	Mode	0	0	0	60	189_08:01:00
189_08:01:00	0	COPS	Flight sequence	ARNF011A	0	0	210	189_08:04:30
189_08:04:30	0	ROSINA	Flight sequence	ARNF051A	0	0	60	189_08:05:30

STP008

STP009

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
199_02:35:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	199_02:37:00
199_02:37:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	199_02:40:40
199_02:40:40	0	COPS	Flight sequence	ARNF015A	0	0	120	199_02:42:40
199_02:42:40	0	COPS	Mode	332	1	0	60	199_02:43:40
199_02:43:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	199_02:47:40
199_02:47:40	0	RTOF	Flight sequence	ARNS061A	0	0	120	199_02:49:40
199_03:05:00	1	RTOF	Flight sequence	ARNS061A	1	0	120	199_03:07:00
199_03:07:00	0	RTOF	Mode	521	15	2	10420	199_06:00:40
199_06:08:40	0	RTOF	Mode	521	11	0	2450	199_06:49:30
199_06:51:30	0	RTOF	Mode	181	2	0	710	199_07:03:20
199_07:03:50	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	199_07:07:50
199_07:07:50	0	RTOF	Mode	51	10	0	6710	199_08:59:40
199_08:45:00	1	COPS	Mode	332	1	0	60	199_08:46:00
199_08:59:40	0	RTOF	Mode	521	15	8	29920	199_17:18:20
199_17:42:20	0	RTOF	Mode	526	15	8	29250	200_01:49:50
200_02:13:50	0	RTOF	Mode	521	15	3	13000	200_05:50:30
200_06:01:10	0	RTOF	Mode	521	12	0	2650	200_06:45:20
200_06:47:30	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	200_06:51:30
200_06:51:30	0	RTOF	Flight sequence	ARNF014A	0	0	120	200_06:53:30
200_06:53:30	0	DFMS	Flight sequence	ARNF003A	0	0	120	200_06:55:30
200_07:05:00	1	DFMS	Mode	50	9	0	6000	200_08:45:00
200_08:40:00	1	COPS	Mode	332	1	0	60	200_08:41:00
200_08:45:00	0	DFMS	Mode	9000	0	0	630	200_08:55:30
200_08:55:30	0	DFMS	Sequence	28	0	10	28160	200_16:44:50
200_16:44:50	0	DFMS	Mode	522	0	3	512	200_16:53:22
200_16:53:22	0	DFMS	Sequence	28	0	10	28160	201_00:42:42
201_00:42:42	0	DFMS	Mode	522	0	3	512	201_00:51:14

201_00:51:14	0	DFMS	Sequence	28	0	8	23040	201_07:15:14
201_07:15:14	0	DFMS	Mode	502	0	2	3840	201_08:19:14
201_08:19:14	0	DFMS	Sequence	16	0	0	752	201_08:31:46
201_08:31:46	0	DFMS	Sequence	45	0	0	572	201_08:41:18
201_08:35:00	1	COPS	Mode	332	1	0	60	201_08:36:00
201_08:41:18	0	DFMS	Sequence	48	0	0	692	201_08:52:50
201_08:52:50	0	DFMS	Sequence	51	0	0	692	201_09:04:22
201_09:04:22	0	DFMS	Mode	9000	0	0	630	201_09:14:52
201_09:14:52	0	ROSINA	Flight sequence	ZRNP2002	0	0	120	201_09:16:52
201_09:16:52	0	DFMS	Flight sequence	ARNF014B	0	0	125	201_09:18:57
201_09:18:57	0	RTOF	Flight sequence	ARNF004A	0	0	240	201_09:22:57
201_09:22:57	0	RTOF	Mode	51	2	0	1910	201_09:54:47
201_09:54:47	0	RTOF	Mode	521	15	9	33170	201_19:34:17
201_19:34:17	0	RTOF	Mode	521	15	9	32500	202_05:02:37
202_05:02:37	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	202_05:06:37
202_05:06:37	0	RTOF	Flight sequence	ARNF014A	0	0	120	202_05:08:37
202_05:08:37	0	DFMS	Flight sequence	ARNF003A	0	0	120	202_05:10:37
202_05:10:37	0	DFMS	Sequence	28	0	8	23760	202_11:46:37
202_08:30:00	1	COPS	Mode	332	1	0	60	202_08:31:00
202_11:46:37	0	DFMS	Mode	522	0	3	512	202_11:55:09
202_11:55:09	0	DFMS	Sequence	28	0	8	23040	202_18:19:09
202_18:19:09	0	DFMS	Mode	522	0	3	512	202_18:27:41
202_18:27:41	0	DFMS	Sequence	28	0	8	23040	203_00:51:41
203_00:51:41	0	DFMS	Sequence	34	0	0	5472	203_02:22:53
203_02:22:53	0	ROSINA	Flight sequence	ZRNP2002	0	0	120	203_02:24:53
203_02:24:53	0	DFMS	Flight sequence	ARNF014B	0	0	125	203_02:26:58
203_02:26:58	0	COPS	Mode	0	0	0	60	203_02:27:58
203_02:27:58	0	COPS	Flight sequence	ARNF011A	0	0	210	203_02:31:28
203_02:28:00	0	ROSINA	Flight sequence	ARNF051A	0	0	60	203_02:29:00

STP010

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
206_02:35:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	206_02:37:00
206_02:37:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	206_02:40:40
206_02:40:40	0	COPS	Flight sequence	ARNF015A	0	0	120	206_02:42:40
206_02:42:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	206_02:46:40
206_02:46:40	0	COPS	Mode	332	1	0	60	206_02:47:40
206_03:48:40	0	RTOF	Mode	521	11	2	8020	206_06:02:20
206_06:08:20	0	RTOF	Mode	181	2	0	710	206_06:20:40
206_06:20:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	206_06:24:40
206_06:24:40	0	RTOF	Flight sequence	ARNF014A	0	0	120	206_06:26:40
206_06:26:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	206_06:28:40
206_08:10:00	1	COPS	Mode	332	1	0	60	206_08:11:00
206_08:11:00	0	DFMS	Mode	222	0	0	4500	206_09:16:00
206_09:16:00	0	DFMS	Sequence	22	0	0	4974	206_10:38:54
206_10:38:54	0	DFMS	Mode	600	0	0	4600	206_11:55:34
206_11:55:34	0	DFMS	Mode	601	0	0	4600	206_13:12:14
206_13:12:14	0	DFMS	Mode	602	0	0	4600	206_14:28:54
206_14:28:54	0	DFMS	Sequence	28	0	15	40960	207_01:51:34
207_01:51:34	0	DFMS	Sequence	28	0	5	12800	207_05:24:54
207_05:24:54	0	DFMS	Sequence	22	0	0	4974	207_06:47:48
207_06:47:48	0	ROSINA	Flight sequence	ZRNP2002	0	0	120	207_06:49:48
207_06:49:48	0	DFMS	Flight sequence	ARNF014B	0	0	125	207_06:51:53
207_06:51:53	0	RTOF	Flight sequence	ARNF004A	0	0	240	207_06:55:53
207_08:38:00	1	COPS	Mode	332	1	0	60	207_08:39:00
207_08:39:00	1	RTOF	Mode	511	15	3	13720	207_12:26:50
207_12:26:50	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	207_12:27:50
207_12:27:50	0	RTOF	Mode	511	0	0	250	207_12:32:00
207_16:26:50	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	207_16:27:50
207_16:27:50	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	207_16:31:50
207_16:31:50	0	RTOF	Mode	521	3	0	1570	207_16:58:00
207_16:58:00	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	207_16:59:00
207_16:59:00	0	RTOF	Mode	521	0	0	250	207_17:03:10

207_20:58:00	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	207_20:59:00
207_20:59:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	207_21:03:00
207_21:03:00	0	RTOF	Mode	526	3	0	1570	207_21:29:10
207_21:29:10	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	207_21:30:10
207_21:30:10	0	RTOF	Mode	526	0	0	250	207_21:34:20
208_01:29:10	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	208_01:30:10
208_01:30:10	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	208_01:34:10
208_01:34:10	0	RTOF	Mode	523	13	0	3570	208_02:33:40
208_02:33:40	0	RTOF	Flight sequence	ARNF200C_OPT_ON	0	0	60	208_02:34:40
208_02:34:40	0	RTOF	Mode	523	0	0	250	208_02:38:50
208_06:33:40	1	RTOF	Flight sequence	ARNF200C_OPT_OFF	0	0	60	208_06:34:40
208_06:34:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	208_06:38:40
208_06:38:40	0	RTOF	Flight sequence	ARNF014A	0	0	120	208_06:40:40
208_06:40:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	208_06:42:40
208_09:07:00	1	COPS	Mode	332	1	0	60	208_09:08:00
208_09:08:00	0	DFMS	Mode	532	0	0	5932	208_10:36:52
208_10:36:52	0	DFMS	Mode	1052	7	0	7424	208_12:40:36
208_12:40:36	0	DFMS	Sequence	28	0	15	40960	209_00:03:16
209_00:03:16	0	DFMS	Sequence	28	0	9	23040	209_06:27:16
209_06:27:16	0	DFMS	Mode	532	0	0	5212	209_07:54:08
209_07:54:08	0	ROSINA	Flight sequence	ZRNP2002	0	0	120	209_07:56:08
209_07:56:08	0	DFMS	Flight sequence	ARNF014B	0	0	125	209_07:58:13
209_07:58:13	0	RTOF	Flight sequence	ARNF004A	0	0	240	209_08:02:13
209_09:35:00	1	COPS	Mode	332	1	0	60	209_09:36:00
209_09:36:00	0	RTOF	Mode	521	15	20	68970	210_05:40:40
210_05:40:40	0	RTOF	Mode	521	11	2	7350	210_07:49:10
210_07:49:10	0	RTOF	Mode	181	2	0	710	210_08:01:30
210_08:01:30	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	210_08:05:30
210_08:05:30	0	RTOF	Flight sequence	ARNF014A	0	0	120	210_08:07:30
210_08:07:30	0	DFMS	Flight sequence	ARNF003A	0	0	120	210_08:09:30
210_09:45:00	1	COPS	Mode	332	1	0	60	210_09:46:00
210_09:46:00	0	DFMS	Sequence	22	0	0	5694	210_11:10:54
210_11:10:54	0	DFMS	Sequence	28	0	15	40960	210_22:33:34
210_22:33:34	0	DFMS	Sequence	28	0	12	30720	211_07:05:34
211_07:05:34	0	DFMS	Sequence	22	0	0	4974	211_08:28:28

211_08:28:28	0	ROSINA	Flight sequence	ZRNP2002	0	0	120	211_08:30:28
211_08:30:28	0	DFMS	Flight sequence	ARNF014B	0	0	125	211_08:32:33
211_08:32:33	0	RTOF	Flight sequence	ARNF004A	0	0	240	211_08:36:33
211_08:36:33	0	COPS	Mode	332	1	0	60	211_08:37:33
211_08:37:33	0	RTOF	Mode	521	15	20	68970	212_03:47:03
212_04:43:03	0	RTOF	Mode	521	15	3	13000	212_08:19:43
212_08:30:23	0	RTOF	Mode	181	3	0	910	212_08:45:33
212_08:46:13	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	212_08:50:13
212_08:50:13	0	RTOF	Flight sequence	ARNF014A	0	0	120	212_08:52:13
212_08:52:13	0	DFMS	Flight sequence	ARNF003A	0	0	120	212_08:54:13
212_08:54:13	0	COPS	Mode	332	1	0	60	212_08:55:13
212_08:55:13	0	DFMS	Sequence	22	0	0	5694	212_10:30:07
212_10:30:07	0	DFMS	Mode	1052	15	0	14848	212_14:37:35
212_14:37:35	0	DFMS	Sequence	28	0	15	40960	213_02:00:15
213_02:00:15	0	DFMS	Sequence	28	0	7	17920	213_06:58:55
213_06:58:55	0	DFMS	Sequence	22	0	0	4974	213_08:21:49
213_08:21:49	0	ROSINA	Flight sequence	ZRNP2002	0	0	120	213_08:23:49

STP011

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
213_10:00:00	1	COPS	Mode	332	1	0	60	213_10:01:00
213_10:01:00	1	RTOF	Flight sequence	ARNF004A	0	0	240	213_10:05:00
213_10:05:00	0	RTOF	Mode	521	10	0	2920	213_10:53:40
213_10:06:00	0	DFMS	Mode	502	0	0	2000	213_10:39:20
213_10:55:30	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	213_10:59:30
11:00 - 11:45 => MWNV								
213_11:45:00	1	COPS	Mode	332	1	0	60	213_11:46:00
213_11:46:00	1	DFMS	Sequence	34	0	4	28080	213_19:34:00
213_11:47:00	1	RTOF	Mode	521	15	9	33220	213_21:00:40
213_19:34:00	0	DFMS	Mode	262	1	0	5760	213_21:10:00
213_21:10:00	0	DFMS	Mode	260	2	0	2592	213_21:53:12
213_21:27:20	0	RTOF	Mode	521	6	0	1450	213_21:51:30

213_21:53:12	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	213_21:57:12
22:00 - 22:45 => MWNV								
213_22:45:00	1	COPS	Mode	332	1	0	60	213_22:46:00
213_22:46:00	1	RTOF	Mode	521	15	10	36470	214_08:53:50
213_22:47:00	1	DFMS	Sequence	34	0	5	33552	214_08:06:12
214_08:06:12	0	DFMS	Mode	262	1	0	5760	214_09:42:12
214_09:42:12	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	214_09:46:12
10:00 - 10:45 => MWNV								
214_10:45:00	1	COPS	Mode	332	1	0	60	214_10:46:00
214_10:46:00	1	RTOF	Mode	521	15	10	36470	214_20:53:50
214_10:47:00	1	DFMS	Sequence	34	0	5	33552	214_20:06:12
214_20:06:12	0	DFMS	Mode	262	0	0	2880	214_20:54:12
214_20:54:12	0	DFMS	Mode	260	2	0	2592	214_21:37:24
214_21:37:24	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	214_21:41:24
22:00 - 22:45 => MWNV								
214_22:45:00	1	COPS	Mode	332	1	0	60	214_22:46:00
214_22:46:00	1	RTOF	Mode	521	14	7	25120	215_05:44:40
214_22:47:00	1	DFMS	Sequence	34	0	4	28080	215_06:35:00
215_06:04:40	0	RTOF	Mode	181	2	0	710	215_06:16:30
215_06:35:00	0	DFMS	Mode	260	1	0	1728	215_07:03:48
215_07:03:48	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	215_07:07:48
215_07:07:48	0	DFMS	Flight sequence	ARNF014B	0	0	125	215_07:09:53
215_07:09:53	0	RTOF	Flight sequence	ARNF014A	0	0	120	215_07:11:53
215_07:11:53	0	COPS	Mode	0	1	0	60	215_07:12:53
215_07:12:53	0	COPS	Flight sequence	ARNF011A	0	0	210	215_07:16:23
215_07:16:23	0	ROSINA	Flight sequence	ARNF051A	0	0	60	215_07:17:23
07:25 - 10:45 => MOCM								
215_10:45:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	215_10:47:00
215_10:47:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	215_10:50:40
215_10:50:40	0	COPS	Flight sequence	ARNF015A	0	0	120	215_10:52:40
215_10:52:40	0	COPS	Mode	332	1	0	60	215_10:53:40
215_10:53:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	215_10:55:40
215_10:55:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	215_10:59:40
215_10:59:40	0	DFMS	Mode	502	0	0	2000	215_11:33:00
215_11:00:40	0	RTOF	Mode	521	15	10	36470	215_21:08:30

215_11:33:00	0	DFMS	Sequence	34	0	3	21888	215_17:37:48
215_17:37:48	0	DFMS	Mode	262	3	0	11520	215_20:49:48
215_20:49:48	0	DFMS	Mode	260	3	0	3456	215_21:47:24
215_21:37:50	0	RTOF	Mode	521	3	0	850	215_21:52:00
215_21:52:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	215_21:56:40

22:00 - 22:45 => MWNV

215_22:45:00	1	COPS	Mode	332	1	0	60	215_22:46:00
215_22:46:00	1	RTOF	Mode	521	15	10	36470	216_08:53:50
215_22:47:00	1	DFMS	Sequence	34	0	5	33552	216_08:06:12
216_08:06:12	0	DFMS	Mode	262	1	0	5760	216_09:42:12
216_09:23:10	0	RTOF	Mode	521	8	0	1850	216_09:54:00
216_09:55:30	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	216_09:59:30

10:00 - 10:45 => MWNV

216_10:45:00	1	COPS	Mode	332	1	0	60	216_10:46:00
216_10:46:00	1	DFMS	Sequence	34	0	5	33552	216_20:05:12
216_10:47:00	1	RTOF	Mode	521	15	10	36470	216_20:54:50
216_20:05:12	0	DFMS	Mode	262	1	0	5760	216_21:41:12
216_21:24:10	0	RTOF	Mode	521	8	0	1850	216_21:55:00
216_21:55:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	216_21:59:00

22:00 - 22:45 => MWNV

216_22:45:00	1	COPS	Mode	332	1	0	60	216_22:46:00
216_22:46:00	1	DFMS	Sequence	34	0	5	33552	217_08:05:12
216_22:47:00	1	RTOF	Mode	521	15	10	38230	217_09:24:10
217_08:05:12	0	DFMS	Mode	262	0	0	2880	217_08:53:12
217_08:53:12	0	DFMS	Mode	260	0	0	864	217_09:07:36
217_09:24:10	0	RTOF	Mode	521	7	0	1730	217_09:53:00
217_09:53:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	217_09:57:00

STP012

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
217_10:00:00	1	COPS	Mode	336	1	0	60	217_10:01:00
11:00 - 11:45 => MWNV								
217_11:45:00	1	RTOF	Mode	521	13	11	36550	217_21:54:10
217_11:46:00	1	DFMS	Sequence	34	0	5	33132	217_20:58:12
217_20:58:12	0	DFMS	Mode	262	0	0	2880	217_21:46:12
217_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	217_21:59:00
22:00 - 22:45 => MWNV								
217_22:45:00	1	RTOF	Mode	521	15	7	28000	218_06:31:40
217_22:46:00	1	DFMS	Sequence	34	0	4	27660	218_06:27:00
217_22:47:00	1	COPS	Mode	336	1	0	60	217_22:48:00
218_06:27:00	0	DFMS	Mode	260	0	0	864	218_06:41:24
218_06:31:40	0	RTOF	Mode	521	9	0	2150	218_07:07:30
218_06:41:24	0	DFMS	Sequence	16	0	0	752	218_06:53:56
218_07:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	218_07:14:00
218_07:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	218_07:16:05
218_07:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	218_07:18:05
218_07:18:05	0	COPS	Mode	0	0	0	60	218_07:19:05
218_07:19:05	0	COPS	Flight sequence	ARNF011A	0	0	210	218_07:22:35
218_07:22:35	0	ROSINA	Flight sequence	ARNF051A	0	0	60	218_07:23:35
07:25 - 12:15 => MOCM Manoeuvre: CAT-INSERTION								
218_12:16:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	218_12:18:00
218_12:18:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	218_12:21:40
218_12:21:40	0	COPS	Flight sequence	ARNF015A	0	0	120	218_12:23:40
218_12:23:40	0	COPS	Mode	336	1	0	60	218_12:24:40
218_12:24:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	218_12:26:40
218_12:26:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	218_12:30:40
218_12:30:40	0	DFMS	Mode	502	0	0	2400	218_13:10:40
218_12:31:40	0	RTOF	Mode	521	15	8	29920	218_20:50:20
218_13:10:40	0	DFMS	Sequence	34	0	4	27360	218_20:46:40
218_20:46:40	0	DFMS	Mode	262	0	0	2880	218_21:34:40
218_21:14:20	0	RTOF	Mode	521	10	0	2250	218_21:51:50

218_21:34:40	0	DFMS	Mode	260	0	0	864	218_21:49:04
218_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	218_21:59:00
22:00 - 22:45 => MWNV								
218_22:46:00	1	DFMS	Sequence	34	0	5	33132	219_07:58:12
218_22:47:00	1	COPS	Mode	336	1	0	60	218_22:48:00
219_07:58:12	0	DFMS	Mode	262	1	0	5760	219_09:34:12
219_09:22:10	0	RTOF	Mode	521	8	0	1850	219_09:53:00
219_09:34:12	0	DFMS	Mode	260	0	0	864	219_09:48:36
219_09:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	219_09:59:00
10:00 - 10:45 => MWNV								
219_10:45:00	1	RTOF	Mode	521	15	10	36470	219_20:52:50
219_10:46:00	1	DFMS	Sequence	34	0	5	33132	219_19:58:12
219_10:47:00	1	COPS	Mode	336	1	0	60	219_10:48:00
219_19:58:12	0	DFMS	Mode	262	1	0	5760	219_21:34:12
219_21:22:10	0	RTOF	Mode	521	8	0	1850	219_21:53:00
219_21:34:12	0	DFMS	Mode	260	0	0	864	219_21:48:36
219_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	219_21:59:00
22:00 - 22:45 => MWNV								
219_22:45:00	1	RTOF	Mode	521	15	11	39720	220_09:47:00
219_22:46:00	1	DFMS	Sequence	34	0	6	38604	220_09:29:24
219_22:47:00	1	COPS	Mode	336	1	0	60	219_22:48:00
220_09:29:24	0	DFMS	Mode	262	0	0	2880	220_10:17:24
220_10:17:24	0	DFMS	Mode	260	1	0	1728	220_10:46:12
220_10:19:00	0	RTOF	Mode	521	9	0	2050	220_10:53:10
220_10:55:30	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	220_10:59:30
11:00 - 11:45 => MWNV								
220_11:45:00	1	RTOF	Mode	521	13	11	34920	220_21:27:00
220_11:46:00	1	DFMS	Sequence	54	0	9	19920	220_17:18:00
220_11:47:00	1	COPS	Mode	336	1	0	60	220_11:48:00
220_17:18:00	0	DFMS	Sequence	54	0	8	15360	220_21:34:00
220_21:34:00	0	DFMS	Mode	260	0	0	864	220_21:48:24
220_21:55:30	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	220_21:59:30
22:00 - 22:45 => MWNV								
220_22:45:00	1	RTOF	Mode	521	15	10	36470	221_08:52:50
220_22:46:00	1	DFMS	Sequence	34	0	5	33132	221_07:58:12

220_22:47:00	1	COPS	Mode	336	1	0	60	220_22:48:00
221_07:58:12	0	DFMS	Mode	262	1	0	5760	221_09:34:12
221_09:22:10	0	RTOF	Mode	521	8	0	1850	221_09:53:00
221_09:34:12	0	DFMS	Mode	260	0	0	864	221_09:48:36
221_09:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	221_09:59:00

10:00 - 10:45 => MWNV

221_10:45:00	1	RTOF	Mode	521	15	10	35750	221_20:40:50
221_10:46:00	1	DFMS	Mode	1052	15	1	29696	221_19:00:56
221_10:47:00	1	COPS	Mode	336	1	0	60	221_10:48:00
221_19:00:56	0	DFMS	Mode	1052	10	0	10208	221_21:51:04
221_21:10:10	0	RTOF	Mode	521	11	0	2450	221_21:51:00
221_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	221_21:59:00

22:00 - 22:45 => MWNV

221_22:45:00	1	RTOF	Mode	521	15	7	28000	222_06:31:40
221_22:46:00	1	DFMS	Sequence	34	0	4	27660	222_06:27:00
221_22:47:00	1	COPS	Mode	336	1	0	60	221_22:48:00
222_06:27:00	0	DFMS	Mode	260	2	0	2592	222_07:10:12
222_06:31:40	0	RTOF	Mode	521	6	0	1520	222_06:57:00
222_06:57:00	0	RTOF	Mode	181	2	0	740	222_07:09:20
222_07:10:20	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	222_07:14:20
222_07:14:20	0	DFMS	Flight sequence	ARNF014B	0	0	125	222_07:16:25
222_07:16:25	0	RTOF	Flight sequence	ARNF014A	0	0	120	222_07:18:25
222_07:18:25	0	COPS	Mode	0	0	0	60	222_07:19:25
222_07:19:25	0	COPS	Flight sequence	ARNF011A	0	0	210	222_07:22:55
222_07:22:55	0	ROSINA	Flight sequence	ARNF051A	0	0	60	222_07:23:55

07:25 - 10:35 => MOCM Manoeuvre: CAT-CHANGE-1

222_10:36:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	222_10:38:00
222_10:38:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	222_10:41:40
222_10:41:40	0	COPS	Flight sequence	ARNF015A	0	0	120	222_10:43:40
222_10:43:40	0	COPS	Mode	336	1	0	60	222_10:44:40
222_10:44:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	222_10:46:40
222_10:46:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	222_10:50:40
222_10:50:40	0	RTOF	Mode	521	15	10	38180	222_21:27:00
222_10:51:40	0	DFMS	Mode	502	0	0	2400	222_11:31:40
222_11:31:40	0	DFMS	Sequence	54	0	15	30720	222_20:03:40

222_20:03:40	0	DFMS	Sequence	54	0	3	5760	222_21:39:40
222_21:27:00	0	RTOF	Mode	521	6	0	1520	222_21:52:20
222_21:54:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	222_21:58:00

22:00 - 22:45 => MWNV

222_22:45:00	1	RTOF	Mode	521	15	10	38230	223_09:22:10
222_22:46:00	1	DFMS	Sequence	34	0	5	33132	223_07:58:12
222_22:47:00	1	COPS	Mode	336	1	0	60	222_22:48:00
223_07:58:12	0	DFMS	Mode	262	1	0	5760	223_09:34:12
223_09:22:10	0	RTOF	Mode	521	8	0	1940	223_09:54:30
223_09:34:12	0	DFMS	Mode	260	0	0	864	223_09:48:36
223_09:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	223_09:59:00

10:00 - 10:45 => MWNV

223_10:45:00	1	RTOF	Mode	521	15	10	38230	223_21:22:10
223_10:46:00	1	DFMS	Mode	1052	15	1	30416	223_19:12:56
223_10:47:00	1	COPS	Mode	336	1	0	60	223_10:48:00
223_19:12:56	0	DFMS	Mode	1052	9	0	9280	223_21:47:36
223_21:22:10	0	RTOF	Mode	521	8	0	1940	223_21:54:30
223_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	223_21:59:00

22:00 - 22:45 => MWNV

223_22:45:00	1	RTOF	Mode	521	15	10	38230	224_09:22:10
223_22:46:00	1	DFMS	Sequence	34	0	5	33132	224_07:58:12
223_22:47:00	1	COPS	Mode	336	1	0	60	223_22:48:00
224_07:58:12	0	DFMS	Mode	262	1	0	5760	224_09:34:12
224_09:22:10	0	RTOF	Mode	521	8	0	1940	224_09:54:30
224_09:34:12	0	DFMS	Mode	260	0	0	864	224_09:48:36
224_09:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	224_09:59:00

STP013

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
224_10:00:00	1	COPS	Mode	336	1	0	60	224_10:01:00
224_10:10:00	1	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	224_10:11:00
MWNV 0531 (11:00-11:45)								
224_11:45:00	1	RTOF	Mode	521	13	11	36550	224_21:54:10
224_11:46:00	1	DFMS	Sequence	54	0	15	31440	224_20:30:00
224_20:30:00	0	DFMS	Mode	262	0	0	2880	224_21:18:00
224_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	224_21:59:00
MWNV 0542 (22:00-22:45)								
224_22:45:00	1	RTOF	Mode	521	15	7	28000	225_06:31:40
224_22:46:00	1	DFMS	Sequence	34	0	4	27660	225_06:27:00
224_22:47:00	1	COPS	Mode	336	1	0	60	224_22:48:00
225_06:27:00	0	DFMS	Mode	260	0	0	864	225_06:41:24
225_06:31:40	0	RTOF	Mode	521	9	0	2150	225_07:07:30
225_06:41:24	0	DFMS	Sequence	16	0	0	752	225_06:53:56
225_07:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	225_07:14:00
225_07:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	225_07:16:05
225_07:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	225_07:18:05
225_07:18:05	0	COPS	Mode	0	0	0	60	225_07:19:05
225_07:19:05	0	COPS	Flight sequence	ARNF011A	0	0	210	225_07:22:35
225_07:22:35	0	ROSINA	Flight sequence	ARNF051A	0	0	60	225_07:23:35
MOCM 0552: CAT-CHANGE 2 (07:24 - 10:36)								
225_10:36:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	225_10:38:00
225_10:38:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	225_10:41:40
225_10:41:40	0	COPS	Flight sequence	ARNF015A	0	0	120	225_10:43:40
225_10:43:40	0	COPS	Mode	336	1	0	60	225_10:44:40
225_10:44:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	225_10:46:40
225_10:46:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	225_10:50:40
225_10:50:40	0	DFMS	Mode	502	0	0	2000	225_11:24:00
225_10:51:40	0	RTOF	Mode	521	15	9	34820	225_20:32:00
225_11:24:00	0	DFMS	Sequence	34	0	5	32832	225_20:31:12
225_20:31:12	0	DFMS	Mode	262	0	0	2880	225_21:19:12

225_20:32:00	0	RTOF	Mode	521	15	0	3410	225_21:28:50
225_21:19:12	0	DFMS	Mode	260	0	0	864	225_21:33:36
225_21:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	225_21:54:00

MWNV 0564 (22:00-22:45)

225_22:45:00	1	RTOF	Mode	521	15	6	24590	226_05:34:50
225_22:46:00	1	DFMS	Mode	1052	1	15	30416	226_07:12:56
225_22:47:00	1	COPS	Mode	336	1	0	60	225_22:48:00
226_05:34:50	0	RTOF	Mode	521	13	4	14950	226_09:44:00
226_07:12:56	0	DFMS	Mode	1052	0	9	9280	226_09:47:36
226_09:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	226_09:54:00

MWNV 0576 (10:00-10:45)

226_10:30:00	1	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	226_10:31:00
226_10:45:00	1	RTOF	Mode	521	15	6	24540	226_17:34:00
226_10:46:00	1	DFMS	Sequence	34	0	6	38604	226_21:29:24
226_10:47:00	1	COPS	Mode	336	1	0	60	226_10:48:00
226_17:34:00	0	RTOF	Mode	521	12	4	13900	226_21:25:40
226_21:25:40	0	RTOF	Mode	521	5	0	1310	226_21:47:30
226_21:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	226_21:54:00

MWNV 0588 (22:00-22:45)

226_22:45:00	1	RTOF	Mode	521	15	9	34820	227_08:25:20
226_22:46:00	1	DFMS	Sequence	54	0	15	31440	227_07:30:00
226_22:47:00	1	COPS	Mode	336	1	0	60	226_22:48:00
227_07:30:00	0	DFMS	Sequence	54	0	6	11520	227_10:42:00
227_08:25:20	0	RTOF	Mode	521	15	1	6820	227_10:19:00
227_10:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	227_10:54:00

MWNV 0602 (11:00-11:45)

227_11:45:00	1	RTOF	Mode	521	15	6	24590	227_18:34:50
227_11:46:00	1	DFMS	Sequence	34	0	5	33132	227_20:58:12
227_11:47:00	1	COPS	Mode	336	1	0	60	227_11:48:00
227_18:34:50	0	RTOF	Mode	521	12	3	11120	227_21:40:10
227_21:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	227_21:54:00

MWNV 0613 (22:00-22:45)

227_22:45:00	1	RTOF	Mode	521	15	8	31410	228_07:28:30
227_22:46:00	1	DFMS	Mode	1052	0	15	15568	228_03:05:28
227_22:47:00	1	COPS	Mode	336	1	0	60	227_22:48:00

228_03:05:28	0	DFMS	Mode	1052	2	7	22272	228_09:16:40
228_07:28:30	0	RTOF	Mode	521	11	2	7710	228_09:37:00
228_09:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	228_09:54:00

MWNV 0625 (10:00-10:45)

228_10:45:00	1	RTOF	Mode	521	15	7	28000	228_18:31:40
228_10:46:00	1	DFMS	Sequence	34	0	6	38604	228_21:29:24
228_10:47:00	1	COPS	Mode	336	1	0	60	228_10:48:00
228_18:31:40	0	RTOF	Mode	521	12	3	11120	228_21:37:00
228_21:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	228_21:54:00

MWNV 0637 (22:00-22:45)

228_22:45:00	1	RTOF	Mode	521	15	5	21180	229_04:38:00
228_22:46:00	1	DFMS	Sequence	54	0	9	19920	229_04:18:00
228_22:47:00	1	COPS	Mode	336	1	0	60	228_22:48:00
229_04:18:00	0	DFMS	Sequence	54	0	5	9600	229_06:58:00
229_04:38:00	0	RTOF	Mode	521	5	5	7860	229_06:49:00
229_07:00:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	229_07:04:00
229_07:04:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	229_07:06:05
229_07:06:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	229_07:08:05
229_07:08:05	0	COPS	Mode	0	0	0	60	229_07:09:05
229_07:09:05	0	COPS	Flight sequence	ARNF011A	0	0	210	229_07:12:35
229_07:12:35	0	ROSINA	Flight sequence	ARNF051A	0	0	60	229_07:13:35

MOCM 0647: CAT-CHANGE 3 (07:24 - 10:36)

229_10:37:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	229_10:39:00
229_10:39:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	229_10:42:40
229_10:42:40	0	COPS	Flight sequence	ARNF015A	0	0	120	229_10:44:40
229_10:44:40	0	COPS	Mode	336	1	0	60	229_10:45:40
229_10:45:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	229_10:47:40
229_10:47:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	229_10:51:40
229_10:51:40	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	229_10:52:40
229_10:52:40	0	RTOF	Mode	521	15	10	36420	229_20:59:40
229_10:53:40	0	DFMS	Sequence	34	0	6	38604	229_21:37:04
229_20:59:40	0	RTOF	Mode	521	10	0	2250	229_21:37:10
229_21:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	229_21:54:00

MWNV 0659 (22:00-22:45)

229_22:45:00	1	RTOF	Mode	521	15	8	29970	230_07:04:30
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229_22:46:00	1	DFMS	Mode	1052	0	15	15568	230_03:05:28
229_22:47:00	1	COPS	Mode	336	1	0	60	229_22:48:00
230_03:05:28	0	DFMS	Mode	1052	2	7	22272	230_09:16:40
230_07:04:30	0	RTOF	Mode	521	10	3	9000	230_09:34:30
230_09:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	230_09:54:00

MWNV 0671 (10:00-10:45)

230_10:45:00	1	RTOF	Mode	521	15	7	26720	230_18:10:20
230_10:46:00	1	DFMS	Sequence	34	0	6	38604	230_21:29:24
230_10:47:00	1	COPS	Mode	336	1	0	60	230_10:48:00
230_18:31:40	0	RTOF	Mode	521	12	3	10600	230_21:28:20
230_21:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	230_21:54:00

MWNV 0683 (22:00-22:45)

230_22:45:00	1	RTOF	Mode	521	15	5	20220	231_04:22:00
230_22:46:00	1	DFMS	Sequence	54	0	9	19920	231_04:18:00
230_22:47:00	1	COPS	Mode	336	1	0	60	230_22:48:00
231_04:18:00	0	DFMS	Sequence	54	0	10	19200	231_09:38:00
231_04:38:00	0	RTOF	Mode	521	15	4	16250	231_09:08:50
231_09:22:10	0	RTOF	Mode	521	5	0	1310	231_09:44:00
231_09:50:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	231_09:54:00

STP014

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
231_10:00:00	1	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	231_10:01:00
231_10:01:00	0	COPS	Mode	336	1	0	60	231_10:02:00
231_10:02:00	0	RTOF	Mode	521	10	0	3030	231_10:52:30
231_10:03:00	0	DFMS	Mode	502	0	0	2000	231_10:36:20
231_10:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	231_10:59:00
MWNV 11:00-11:45								
231_11:45:00	1	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	231_11:46:00
231_11:46:00	0	COPS	Mode	336	1	0	60	231_11:47:00
231_11:47:00	0	RTOF	Mode	521	15	9	34820	231_21:27:20
231_11:48:00	0	DFMS	Sequence	34	0	4	27660	231_19:29:00

231_19:29:00	0	DFMS	Mode	500	1	0	1320	231_19:51:00
231_19:51:00	0	DFMS	Mode	502	0	0	1280	231_20:12:20
231_20:12:20	0	DFMS	Sequence	22	0	0	4974	231_21:35:14
231_21:27:20	0	RTOF	Mode	181	2	0	740	231_21:39:40
231_21:35:14	0	DFMS	Sequence	48	0	0	632	231_21:45:46
231_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	231_21:59:00

MWNV 22:00-22:45

231_22:45:00	1	COPS	Mode	336	1	0	60	231_22:46:00
231_22:46:00	1	RTOF	Mode	521	14	8	29520	232_06:58:00
231_22:47:00	1	DFMS	Sequence	34	0	0	5772	232_00:23:12
232_00:23:12	0	DFMS	Mode	1052	0	20	19488	232_05:48:00
232_05:48:00	0	DFMS	Mode	1052	0	4	4640	232_07:05:20
232_07:05:20	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	232_07:09:20
232_07:09:20	0	DFMS	Flight sequence	ARNF014B	0	0	125	232_07:11:25
232_07:11:25	0	RTOF	Flight sequence	ARNF014A	0	0	120	232_07:13:25
232_07:13:25	0	COPS	Mode	0	0	0	60	232_07:14:25
232_07:14:25	0	COPS	Flight sequence	ARNF011A	0	0	210	232_07:17:55
232_07:17:55	0	ROSINA	Flight sequence	ARNF051A	0	0	60	232_07:18:55

MOCM 07:25-10:35

232_10:35:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	232_10:37:00
232_10:37:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	232_10:40:40
232_10:40:40	0	COPS	Flight sequence	ARNF015A	0	0	120	232_10:42:40
232_10:42:40	0	COPS	Mode	336	1	0	60	232_10:43:40
232_10:43:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	232_10:45:40
232_10:45:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	232_10:49:40
232_10:49:40	0	RTOF	Mode	521	14	11	39120	232_21:41:40
232_10:50:40	0	DFMS	Sequence	54	0	10	21840	232_16:54:40
232_16:54:40	0	DFMS	Sequence	34	0	2	16416	232_21:28:16
232_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	232_21:59:00

MWNV 22:00-22:45

232_22:45:00	1	COPS	Mode	336	1	0	60	232_22:46:00
232_22:46:00	1	RTOF	Mode	521	14	11	39120	233_09:38:00
232_22:47:00	1	DFMS	Sequence	34	0	4	27660	233_06:28:00
233_06:28:00	0	DFMS	Mode	505	0	19	11000	233_09:31:20
233_09:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	233_09:59:00

MWNV 10:00-10:45								
233_10:45:00	1	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	233_10:46:00
233_10:46:00	0	COPS	Mode	336	1	0	60	233_10:47:00
233_10:47:00	0	RTOF	Mode	521	14	11	39120	233_21:39:00
233_10:48:00	0	DFMS	Sequence	34	0	6	38604	233_21:31:24
233_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	233_21:59:00
MWNV 22:00-22:45								
233_22:45:00	1	COPS	Mode	336	1	0	60	233_22:46:00
233_22:46:00	1	RTOF	Mode	521	14	11	39120	234_09:38:00
233_22:47:00	1	DFMS	Sequence	34	0	6	38604	234_09:30:24
234_09:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	234_09:59:00
MWOL 10:00-11:30								
234_11:30:00	1	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	234_11:31:00
234_11:31:00	0	COPS	Mode	336	1	0	60	234_11:32:00
234_11:32:00	0	RTOF	Mode	521	13	11	36600	234_21:42:00
234_11:33:00	0	DFMS	Sequence	34	0	5	33132	234_20:45:12
234_20:45:12	0	DFMS	Mode	500	0	1	1320	234_21:07:12
234_21:07:12	0	DFMS	Mode	502	0	1	2560	234_21:49:52
234_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	234_21:59:00
MWNV 22:00-23:00								
234_23:00:00	1	COPS	Mode	336	1	0	60	234_23:01:00
234_23:01:00	1	RTOF	Mode	521	15	10	38230	235_09:38:10
234_23:02:00	1	DFMS	Sequence	34	0	6	38604	235_09:45:24
235_09:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	235_09:59:00
MWNV 10:00-11:00								
235_11:00:00	1	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	235_11:01:00
235_11:01:00	0	COPS	Mode	336	1	0	60	235_11:02:00
235_11:02:00	0	RTOF	Mode	521	14	11	39120	235_21:54:00
235_11:03:00	0	DFMS	Sequence	34	0	6	38604	235_21:46:24
235_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	235_21:59:00
MWNV 22:00-23:00								
235_23:00:00	1	COPS	Mode	336	1	0	60	235_23:01:00
235_23:01:00	1	RTOF	Mode	521	12	9	28520	236_06:56:20
235_23:02:00	1	DFMS	Mode	505	0	18	10926	236_02:04:06
236_02:04:06	0	DFMS	Sequence	34	0	2	16536	236_06:39:42

236_07:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	236_07:14:00
236_07:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	236_07:16:05
236_07:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	236_07:18:05
236_07:18:05	0	COPS	Mode	0	0	0	60	236_07:19:05
236_07:19:05	0	COPS	Flight sequence	ARNF011A	0	0	210	236_07:22:35
236_07:22:35	0	ROSINA	Flight sequence	ARNF051A	0	0	60	236_07:23:35

MOCM 07:25-10:35

236_10:35:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	236_10:37:00
236_10:37:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	236_10:40:40
236_10:40:40	0	COPS	Flight sequence	ARNF015A	0	0	120	236_10:42:40
236_10:42:40	0	COPS	Mode	336	1	0	60	236_10:43:40
236_10:43:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	236_10:45:40
236_10:45:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	236_10:49:40
236_10:49:40	0	RTOF	Mode	521	13	12	39590	236_21:49:30
236_10:50:40	0	DFMS	Sequence	34	0	6	38604	236_21:34:04
236_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	236_21:59:00

MWNV 22:00-23:00

236_23:00:00	1	COPS	Mode	336	1	0	60	236_23:01:00
236_23:01:00	1	RTOF	Mode	521	15	10	38230	237_09:38:10
236_23:02:00	1	DFMS	Sequence	54	0	10	21840	237_05:06:00
237_05:06:00	0	DFMS	Sequence	34	0	2	16416	237_09:39:36
237_09:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	237_09:59:00

STP015

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
237_11:00:00	1	RTOF	Mode	521	15	10	38180	237_21:36:20
237_11:01:00	1	DFMS	Sequence	34	0	1	11244	237_14:08:24
237_11:02:00	1	COPS	Mode	336	1	0	60	237_11:03:00
237_14:08:24	0	DFMS	Mode	1052	0	20	19488	237_19:33:12
237_19:33:12	0	DFMS	Mode	1052	0	8	8352	237_21:52:24
237_21:36:20	0	RTOF	Mode	521	4	0	1100	237_21:54:40
237_21:54:00	1	COPS	Flight sequence	ARNF016A	0	0	60	237_21:55:00

237_21:55:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	237_21:59:00
22:00 - 23:00 => MWNV								
237_22:59:00	1	COPS	Flight sequence	ARNF016B	0	0	60	237_23:00:00
237_23:00:00	0	RTOF	Mode	521	14	11	39120	238_09:52:00
237_23:01:00	0	DFMS	Sequence	22	0	0	5694	238_00:35:54
237_23:02:00	0	COPS	Mode	336	1	0	60	237_23:03:00
238_00:35:54	0	DFMS	Sequence	34	0	5	32832	238_09:43:06
238_09:54:00	1	COPS	Flight sequence	ARNF016A	0	0	60	238_09:55:00
238_09:55:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	238_09:59:00
10:00 - 11:30 => MWOL								
238_11:29:00	1	COPS	Flight sequence	ARNF016B	0	0	60	238_11:30:00
238_11:30:00	0	RTOF	Mode	521	15	9	34820	238_21:10:20
238_11:31:00	0	DFMS	Sequence	34	0	5	33132	238_20:43:12
238_11:32:00	0	COPS	Mode	336	1	0	60	238_11:33:00
238_18:15:00	1	COPS	Flight sequence	ARNF016A	0	0	60	238_18:16:00
238_20:43:12	0	DFMS	Mode	500	0	0	660	238_20:54:12
238_20:54:12	0	DFMS	Mode	502	0	0	1280	238_21:15:32
238_21:10:20	0	RTOF	Mode	521	11	0	2570	238_21:53:10
238_21:15:32	0	DFMS	Mode	500	0	0	660	238_21:26:32
238_21:26:32	0	DFMS	Mode	502	0	0	1280	238_21:47:52
238_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	238_21:59:00
238_22:59:00	1	COPS	Flight sequence	ARNF016B	0	0	60	238_23:00:00
22:00 - 23:00 => MWNV								
238_23:00:00	0	RTOF	Mode	521	15	7	28000	239_06:46:40
238_23:01:00	0	DFMS	Sequence	34	0	4	27660	239_06:42:00
238_23:02:00	0	COPS	Mode	336	1	0	60	238_23:03:00
239_06:42:00	0	DFMS	Mode	502	0	0	1280	239_07:03:20
239_06:46:40	0	RTOF	Mode	521	5	0	1310	239_07:08:30
239_07:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	239_07:14:00
239_07:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	239_07:16:05
239_07:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	239_07:18:05
239_07:18:05	0	COPS	Mode	0	0	0	60	239_07:19:05
239_07:19:05	0	COPS	Flight sequence	ARNF011A	0	0	210	239_07:22:35
239_07:22:35	0	ROSINA	Flight sequence	ARNF051A	0	0	60	239_07:23:35

07:25 - 10:35 => MOCM Manoeuvre: CAT-CHANGE-6

239_10:36:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	239_10:38:00
239_10:38:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	239_10:41:40
239_10:41:40	0	COPS	Flight sequence	ARNF015A	0	0	120	239_10:43:40
239_10:43:40	0	COPS	Mode	336	1	0	60	239_10:44:40
239_10:44:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	239_10:46:40
239_10:46:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	239_10:50:40
239_10:50:40	0	RTOF	Mode	521	15	10	38230	239_21:27:50
239_10:51:40	0	DFMS	Mode	502	0	0	2000	239_11:25:00
239_11:25:00	0	DFMS	Sequence	54	0	15	30720	239_19:57:00
239_19:57:00	0	DFMS	Sequence	54	0	2	5760	239_21:33:00
239_21:27:50	0	RTOF	Mode	521	6	0	1520	239_21:53:10
239_21:33:00	0	DFMS	Mode	1042	0	0	320	239_21:38:20
239_21:38:20	0	DFMS	Mode	1040	0	0	320	239_21:43:40
239_21:43:40	0	DFMS	Mode	1042	0	0	320	239_21:49:00
239_21:49:00	0	DFMS	Mode	1040	0	0	320	239_21:54:20
239_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	239_21:59:00

22:00 - 23:00 => MWNV

239_22:50:00	1	COPS	Flight sequence	ARNF016A	0	0	60	239_22:51:00
239_23:00:00	1	DFMS	Mode	505	0	18	10926	240_02:02:06
239_23:01:00	1	RTOF	Mode	521	15	10	38230	240_09:38:10
239_23:02:00	1	COPS	Mode	336	1	0	60	239_23:03:00
240_02:00:00	1	COPS	Flight sequence	ARNF016B	0	0	60	240_02:01:00
240_02:02:06	0	DFMS	Sequence	34	0	4	27480	240_09:40:06
240_09:38:10	0	RTOF	Mode	521	3	0	890	240_09:53:00
240_09:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	240_09:59:00

10:00 - 11:00 => MWNV

240_11:00:00	1	RTOF	Mode	521	15	10	38230	240_21:37:10
240_11:01:00	1	DFMS	Mode	1052	0	20	20208	240_16:37:48
240_11:02:00	1	COPS	Mode	336	1	0	60	240_11:03:00
240_16:37:48	0	DFMS	Mode	1052	0	19	18560	240_21:47:08
240_21:37:10	0	RTOF	Mode	521	4	0	1100	240_21:55:30
240_21:56:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	240_22:00:00

22:00 - 23:00 => MWNV

240_23:00:00	1	RTOF	Mode	521	15	10	38230	241_09:37:10
240_23:01:00	1	DFMS	Sequence	34	0	6	38604	241_09:44:24

240_23:02:00	1	COPS	Mode	336	1	0	60	240_23:03:00
241_09:37:10	0	RTOF	Mode	521	4	0	1100	241_09:55:30
241_09:56:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	241_10:00:00
10:00 - 11:30 => MWOL								
241_11:30:00	1	RTOF	Mode	521	15	9	34820	241_21:10:20
241_11:31:00	1	DFMS	Sequence	54	0	15	31440	241_20:15:00
241_11:32:00	1	COPS	Mode	336	1	0	60	241_11:33:00
241_20:15:00	0	DFMS	Sequence	54	0	2	5760	241_21:51:00
241_21:10:20	0	RTOF	Mode	521	11	0	2570	241_21:53:10
241_21:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	241_21:59:00
22:00 - 23:00 => MWNV								
241_23:00:00	1	RTOF	Mode	521	15	10	38230	242_09:37:10
241_23:01:00	1	DFMS	Sequence	34	0	6	38604	242_09:44:24
241_23:02:00	1	COPS	Mode	336	1	0	60	241_23:03:00
242_09:37:10	0	RTOF	Mode	521	4	0	1100	242_09:55:30
242_09:56:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	242_10:00:00
10:00 - 11:00 => MWNV								
242_11:00:00	1	RTOF	Mode	521	15	10	38230	242_21:37:10
242_11:01:00	1	DFMS	Mode	1052	0	20	20208	242_16:37:48
242_11:02:00	1	COPS	Mode	336	1	0	60	242_11:03:00
242_16:37:48	0	DFMS	Mode	1052	0	19	18560	242_21:47:08
242_21:37:10	0	RTOF	Mode	521	4	0	1100	242_21:55:30
242_21:56:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	242_22:00:00
22:00 - 23:00 => MWNV								
242_23:00:00	1	RTOF	Mode	521	15	7	28000	243_06:46:40
242_23:01:00	1	DFMS	Sequence	34	0	4	27660	243_06:42:00
242_23:02:00	1	COPS	Mode	336	1	0	60	242_23:03:00
243_06:42:00	0	DFMS	Mode	502	0	0	1280	243_07:03:20
243_06:46:40	0	RTOF	Mode	521	5	0	1310	243_07:08:30
243_07:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	243_07:14:00
243_07:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	243_07:16:05
243_07:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	243_07:18:05
243_07:18:05	0	COPS	Mode	0	0	0	60	243_07:19:05
243_07:19:05	0	COPS	Flight sequence	ARNF011A	0	0	210	243_07:22:35
243_07:22:35	0	ROSINA	Flight sequence	ARNF051A	0	0	60	243_07:23:35

07:25 - 10:35 => MOCM Manoeuvre: CAT-CHANGE-7

243_10:36:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	243_10:38:00
243_10:38:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	243_10:41:40
243_10:41:40	0	COPS	Flight sequence	ARNF015A	0	0	120	243_10:43:40
243_10:43:40	0	COPS	Mode	336	1	0	60	243_10:44:40
243_10:44:40	0	RTOF	Flight sequence	ARNF004A	0	0	240	243_10:48:40
243_10:48:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	243_10:50:40

11:14:30 - 13:31:50 => DYNAMIC SLEW

243_10:50:40	0	RTOF	Mode	521	15	10	38230	243_21:27:50
243_10:51:40	0	DFMS	Mode	505	0	18	10926	243_13:53:46
243_11:00:00	1	COPS	Flight sequence	ARNF016A	0	0	60	243_11:01:00
243_13:50:00	1	COPS	Flight sequence	ARNF016B	0	0	60	243_13:51:00
243_13:53:46	0	DFMS	Sequence	54	0	14	28920	243_21:55:46
243_21:27:50	0	RTOF	Mode	521	6	0	1520	243_21:53:10
243_21:56:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	243_22:00:00

22:00 - 23:00 => MWNV**23:00 - 02:00 => SLEW**

243_22:59:00	1	COPS	Flight sequence	ARNF016A	0	0	60	243_23:00:00
243_23:00:00	0	DFMS	Mode	505	0	18	10926	244_02:02:06
243_23:01:00	0	RTOF	Mode	521	14	11	39120	244_09:53:00
243_23:02:00	0	COPS	Mode	336	1	0	60	243_23:03:00
244_02:00:00	1	COPS	Flight sequence	ARNF016B	0	0	60	244_02:01:00
244_02:02:06	0	DFMS	Sequence	34	0	4	27480	244_09:40:06
244_09:55:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	244_09:59:00

10:00 - 11:00 => MWNV

244_11:00:00	1	RTOF	Mode	521	15	10	38230	244_21:37:10
244_11:01:00	1	DFMS	Mode	1052	0	20	20208	244_16:37:48
244_11:02:00	1	COPS	Mode	336	1	0	60	244_11:03:00
244_16:37:48	0	DFMS	Mode	1052	0	19	18560	244_21:47:08
244_21:37:10	0	RTOF	Mode	521	4	0	1100	244_21:55:30
244_21:56:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	244_22:00:00

22:00 - 23:00 => MWNV

244_23:00:00	1	RTOF	Mode	521	15	10	38230	245_09:37:10
244_23:01:00	1	DFMS	Sequence	34	0	6	38604	245_09:44:24
244_23:02:00	1	COPS	Mode	336	1	0	60	244_23:03:00

245_09:37:10	0	RTOF	Mode	521	4	0	1100	245_09:55:30
245_09:55:59	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	245_09:59:59

STP016

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time	
10:00 - 11:30 => MWOL									
245_11:31:00	0	DFMS	Sequence	48	0	0	1352	245_11:53:32	
245_11:32:00	1	COPS	Mode	336	1	0	60	246_10:43:40	Step
245_11:40:00	1	RTOF	Mode	521	15	0	4080	245_12:48:00	nominal
245_11:53:32	0	DFMS	Mode	502	0	10	14080	245_15:48:12	
245_13:00:00	1	RTOF	Mode	181	2	0	740	245_13:12:20	1
245_13:12:20	0	RTOF	Mode	521	2	0	890	245_13:23:50	
245_13:27:10	0	RTOF	Mode	181	2	0	740	245_13:39:30	2
245_13:39:30	0	RTOF	Mode	521	3	0	890	245_13:54:20	
245_14:00:00	1	RTOF	Mode	181	2	0	740	245_14:12:20	3
245_14:12:20	0	RTOF	Mode	521	3	0	890	245_14:27:10	
245_14:35:00	1	RTOF	Mode	181	2	0	740	245_14:47:20	4
245_14:47:20	0	RTOF	Mode	521	3	0	890	245_15:02:10	
245_15:10:00	1	RTOF	Mode	181	2	0	740	245_15:22:20	5
245_15:22:20	0	RTOF	Mode	521	3	0	890	245_15:37:10	
245_15:45:00	1	RTOF	Mode	181	2	0	740	245_15:57:20	6
245_15:48:12	0	DFMS	Mode	502	0	10	14080	245_19:42:52	
245_15:57:20	0	RTOF	Mode	521	2	0	890	245_16:18:50	
245_16:12:10	0	RTOF	Mode	181	2	0	740	245_16:24:30	7
245_16:24:30	0	RTOF	Mode	521	3	0	890	245_16:39:20	
245_16:55:00	1	RTOF	Mode	181	2	0	740	245_17:07:20	8
245_17:07:20	0	RTOF	Mode	521	3	0	890	245_17:22:10	
245_17:30:00	1	RTOF	Mode	181	2	0	740	245_17:42:20	9
245_17:42:20	0	RTOF	Mode	521	3	0	890	245_17:57:10	
245_18:05:00	1	RTOF	Mode	181	2	0	740	245_18:17:20	10

245_18:17:20	0	RTOF	Mode	521	3	0	890	245_18:32:10	
245_18:40:00	1	RTOF	Mode	181	2	0	740	245_18:52:20	11
245_18:52:20	0	RTOF	Mode	521	2	0	890	245_19:03:50	
245_19:07:10	0	RTOF	Mode	181	2	0	740	245_19:19:30	12
245_19:19:30	0	RTOF	Mode	521	3	0	890	245_19:34:20	
245_19:42:52	0	DFMS	Mode	502	0	4	6400	245_21:29:32	
245_19:50:00	1	RTOF	Mode	181	2	0	740	245_20:02:20	13
245_20:02:20	0	RTOF	Mode	521	3	0	890	245_20:17:10	
245_20:25:00	1	RTOF	Mode	181	2	0	740	245_20:37:20	14
245_20:37:20	0	RTOF	Mode	521	3	0	890	245_20:52:10	
245_21:00:00	1	RTOF	Mode	181	2	0	740	245_21:12:20	15
245_21:12:20	0	RTOF	Mode	521	3	0	890	245_21:27:10	
245_21:29:32	0	DFMS	Mode	502	0	10	14080	246_01:24:12	
245_21:35:00	1	RTOF	Mode	181	2	0	740	245_21:47:20	29
245_21:47:20	0	RTOF	Mode	521	3	0	890	245_22:02:10	
22:00 - 23:00 => MWNV									
245_23:00:00	1	RTOF	Mode	181	2	0	740	245_23:12:20	16
245_23:12:20	0	RTOF	Mode	521	2	0	890	245_23:23:50	
245_23:27:10	0	RTOF	Mode	181	2	0	740	245_23:39:30	17
245_23:39:30	0	RTOF	Mode	521	3	0	890	245_23:54:20	
246_00:00:00	1	RTOF	Mode	181	2	0	740	246_00:12:20	18
246_00:12:20	0	RTOF	Mode	521	3	0	890	246_00:27:10	
246_00:35:00	1	RTOF	Mode	181	2	0	740	246_00:47:20	19
246_00:47:20	0	RTOF	Mode	521	3	0	890	246_01:02:10	
246_01:10:00	1	RTOF	Mode	181	2	0	740	246_01:22:20	20
246_01:22:20	0	RTOF	Mode	521	3	0	890	246_01:37:10	
246_01:24:12	0	DFMS	Mode	502	0	4	6400	246_03:10:52	
246_01:45:00	1	RTOF	Mode	181	2	0	740	246_01:57:20	21
246_01:57:20	0	RTOF	Mode	521	2	0	890	246_02:08:50	
246_02:12:10	0	RTOF	Mode	181	2	0	740	246_02:24:30	22
246_02:24:30	0	RTOF	Mode	521	3	0	890	246_02:39:20	
246_02:55:00	1	RTOF	Mode	181	2	0	740	246_03:07:20	23
246_03:07:20	0	RTOF	Mode	521	3	0	890	246_03:22:10	
246_03:30:00	1	RTOF	Mode	181	2	0	740	246_03:42:20	24
246_03:42:20	0	RTOF	Mode	521	3	0	890	246_03:57:10	

246_04:05:00	1	RTOF	Mode	181	2	0	740	246_04:17:20	25
246_04:17:20	0	RTOF	Mode	521	3	0	890	246_04:32:10	
246_04:40:00	1	RTOF	Mode	181	2	0	740	246_04:52:20	26
246_04:52:20	0	RTOF	Mode	521	2	0	890	246_05:03:50	
246_05:07:10	0	RTOF	Mode	181	2	0	740	246_05:19:30	27
246_05:19:30	0	RTOF	Mode	521	3	0	890	246_05:34:20	
246_05:50:00	1	RTOF	Mode	181	2	0	740	246_06:02:20	28
246_06:02:20	0	RTOF	Mode	521	3	0	890	246_06:17:10	
246_06:25:00	1	RTOF	Mode	181	2	0	740	246_06:37:20	
246_06:37:20	0	RTOF	Mode	521	3	0	890	246_06:52:10	
246_06:52:10	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	246_06:56:10	
246_06:56:10	0	DFMS	Mode	ARNF014B	3	0	125	246_06:58:15	
246_06:58:15	0	RTOF	Mode	ARNF014A	3	0	120	246_07:00:15	
246_07:00:15	0	COPS	Mode	ARNF011A	3	0	210	246_07:03:45	
246_07:03:44	0	ROSINA	Mode	ARNF051A	3	0	60	246_07:04:45	

07:25 - 10:35 => MOCM Manœuvre: TGM-1

246_10:35:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	246_10:37:00	
246_10:37:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	246_10:40:40	
246_10:40:40	0	COPS	Flight sequence	ARNF015A	0	0	120	246_10:42:40	
246_10:42:40	0	COPS	Mode	336	1	0	60	246_10:43:40	
246_10:47:40	1	RTOF	Flight sequence	ARNF004A	25	0	240	246_10:51:40	
246_10:51:40	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	246_10:52:40	
246_10:52:40	0	RTOF	Mode	521	15	0	4080	246_12:00:40	
246_10:53:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	246_10:55:40	
246_10:55:40	0	DFMS	Mode	222	0	0	5400	246_12:25:40	
246_12:10:40	1	RTOF	Mode	181	5	0	1370	246_12:33:30	
246_12:25:40	0	DFMS	Mode	572	2	0	3840	246_13:29:40	
246_12:33:30	0	RTOF	Mode	521	13	10	32890	246_21:41:40	
246_13:29:40	0	DFMS	Mode	262	2	0	8640	246_15:53:40	
246_15:53:40	0	DFMS	Mode	502	0	14	19200	246_21:13:40	
246_21:13:40	0	DFMS	Sequence	48	0	0	632	246_21:24:12	
246_21:45:12	1	DFMS	Flight sequence	ARNS081B	0	0	10	246_21:45:22	
246_21:45:22	0	DFMS	Mode	1	0	0	120	246_21:47:22	

22:00 - 23:00 => MWNV

246_23:00:00	1	COPS	Mode	336	1	0	60	246_23:01:00	
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246_23:01:00	0	COPS	Flight sequence	ARNF016A	0	0	60	246_23:02:00
246_23:15:00	1	DFMS	Mode	515	0	10	5528	247_00:47:08
246_23:02:00	0	RTOF	Mode	521	15	10	37510	247_09:27:10
246_23:15:00								
247_00:47:08	0	DFMS	Mode	502	0	10	14200	247_04:43:48
247_01:30:00								
247_02:00:00	1	COPS	Flight sequence	ARNF016B	0	0	60	247_02:01:00
247_04:43:48	0	DFMS	Mode	502	0	13	17920	247_09:42:28
247_09:55:28	1	DFMS	Flight sequence	ARNS081B	0	0	10	247_09:55:38
247_09:55:38	0	DFMS	Mode	1	0	0	120	247_09:57:38
10:00 - 11:00 => MWNV								
247_11:15:00	1	DFMS	Sequence	22	0	0	5694	247_12:49:54
247_11:20:00	1	RTOF	Mode	511	15	9	34290	247_20:51:30
247_12:49:54	0	DFMS	Mode	502	0	10	14080	247_16:44:34
247_16:44:34	0	DFMS	Mode	502	0	10	14080	247_20:39:14
247_20:39:14	0	DFMS	Mode	502	0	2	3840	247_21:43:14
247_20:48:40	0	RTOF	Mode	511	15	0	3410	247_21:45:30
247_21:55:14	1	DFMS	Flight sequence	ARNS081B	0	0	10	247_21:55:24
247_21:55:24	0	DFMS	Mode	1	0	0	120	247_21:57:24
22:00 - 23:00 => MWNV								
247_23:15:00	1	DFMS	Mode	502	0	10	14800	248_03:21:40
247_23:30:24	1	RTOF	Mode	521	15	9	34120	248_08:59:04
248_03:21:40	0	DFMS	Mode	502	0	10	14080	248_07:16:20
248_07:16:20	0	DFMS	Mode	502	0	6	8960	248_09:45:40
248_09:55:40	1	DFMS	Flight sequence	ARNS081B	0	0	10	248_09:55:50
248_09:55:50	0	DFMS	Mode	0	0	0	120	248_09:57:50
10:00 - 11:30 => MWOL								
248_11:30:00	1	DFMS	Mode	260	0	0	984	248_11:46:24
248_11:32:00	1	COPS	Mode	336	1	0	60	246_10:43:40
248_11:45:00	1	RTOF	Mode	521	15	9	34100	248_21:13:20
248_11:46:24	0	DFMS	Mode	262	0	0	2880	248_12:34:24
248_12:34:24	0	DFMS	Mode	502	0	10	14080	248_16:29:04
248_16:29:04	0	DFMS	Mode	502	0	10	14080	248_20:23:44
248_20:23:44	0	DFMS	Mode	502	0	3	5120	248_21:49:04
248_21:55:04	1	DFMS	Flight sequence	ARNS081B	0	0	10	248_21:55:14

SLEW

248_21:55:14	0	DFMS	Mode	1	0	0	120	248_21:57:14
22:00 - 23:00 => MWNV								
248_23:15:00	1	DFMS	Sequence	48	0	0	1352	248_23:37:32
248_23:30:00	1	RTOF	Mode	521	15	6	23870	249_06:07:50
248_23:37:32	0	DFMS	Mode	502	0	10	14080	249_03:32:12
249_03:32:12	0	DFMS	Mode	502	0	8	11520	249_06:44:12
249_06:07:50	0	RTOF	Mode	521	15	3	13640	249_09:55:10
249_06:44:12	0	DFMS	Mode	502	0	7	10240	249_09:34:52
249_09:55:10	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	249_09:59:10
249_09:59:10	0	DFMS	Mode	1	0	0	600	249_10:09:10
10:00 - 11:00 => MWNV								
249_11:15:00	1	DFMS	Sequence	22	0	6	35538	249_21:07:18
249_11:30:00	1	RTOF	Mode	521	15	10	37510	249_21:55:10
249_21:07:18	0	DFMS	Mode	502	0	0	1280	249_21:28:38
249_21:45:38	1	DFMS	Flight sequence	ARNS081B	0	0	10	249_21:45:48
249_21:45:48	0	DFMS	Mode	0	0	0	120	249_21:47:48
22:00 - 23:00 => MWNV								
249_23:15:00	1	DFMS	Mode	502	0	10	14200	250_03:11:40
249_23:30:10	1	RTOF	Mode	521	15	7	27280	250_07:04:50
250_07:04:50	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	250_07:08:50
250_07:08:50	0	DFMS	Flight sequence	ARNF014B	0	0	125	250_07:10:55
250_07:10:55	0	RTOF	Flight sequence	ARNF014A	0	0	120	250_07:12:55
250_07:12:55	0	COPS	Flight sequence	ARNF011A	0	0	210	250_07:16:25
250_07:16:25	0	ROSINA	Flight sequence	ARNF051A	0	0	60	250_07:17:25
07:25 - 10:35 => MOCM Manœuvre: TGM-2								
250_10:35:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	250_10:37:00
250_10:37:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	250_10:40:40
250_10:40:40	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	250_10:41:40
250_10:41:40	0	COPS	Flight sequence	ARNF015A	25	0	120	250_10:43:40
250_10:43:40	0	COPS	Mode	336	1	0	60	250_10:44:40
250_10:44:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	250_10:46:40
250_10:46:40	0	DFMS	Mode	222	0	9	39420	250_21:43:40
250_10:50:40	1	RTOF	Mode	511	15	10	38180	250_21:27:00
250_21:55:40	1	DFMS	Flight sequence	ARNS081B	0	0	10	250_21:55:50
250_21:55:50	0	DFMS	Mode	1	0	0	120	250_21:57:50

22:00 - 23:00 => MWNV

250_23:15:00	1	DFMS	Mode	502	0	10	14800	251_03:21:40
250_23:30:00	1	RTOF	Mode	511	15	10	37510	251_09:55:10
251_03:21:40	0	DFMS	Mode	502	0	10	14080	251_07:16:20
251_07:16:20	0	DFMS	Mode	502	0	6	8960	251_09:45:40
251_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	251_09:55:10
251_09:55:10	0	DFMS	Mode	1	0	0	120	251_09:57:10

10:00 - 11:00 => MWNV

251_11:15:00	1	DFMS	Mode	1042	0	4	2320	251_11:53:40
251_11:30:00	1	RTOF	Mode	521	15	10	37530	251_21:55:30
251_11:53:40	0	DFMS	Mode	502	0	10	14080	251_15:48:20
251_15:48:20	0	DFMS	Mode	502	0	10	14080	251_19:43:00
251_19:43:00	0	DFMS	Mode	502	0	5	7680	251_21:51:00
251_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	251_21:55:10
251_21:55:10	0	DFMS	Mode	1	0	0	120	251_21:57:10

22:00 - 23:00 => MWNV

251_23:15:00	1	DFMS	Mode	222	0	8	34740	252_08:54:00
251_23:30:00	1	RTOF	Mode	521	15	10	37510	252_09:55:10
252_08:54:00	0	DFMS	Mode	502	0	1	2560	252_09:36:40
252_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	252_09:55:10
252_09:55:10	0	DFMS	Mode	1	0	0	120	252_09:57:10

10:00 - 11:30 => MWOL

Step	P_SS [V]	BP_SS [V]	Gr_SS [V]	RepA_SS [V]	RepB_SS [V]	A1_SS [V]	A2_SS [V]	SL_SS [V]	R1 [V]	R2 [V]	RL [V]	Data Acqu
nominal	-107.0	-24.0	-8.0	-180.0	-180.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
1	-93.7	-37.5	-4.2	-180.0	-180.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
2	-87.7	-37.5	-3.7	-180.0	-180.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
3	-83.7	-37.5	-4.2	-180.0	-180.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
4	-87.7	-37.5	-4.2	-180.0	-180.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
5	-87.7	-37.5	-4.2	-150.0	-180.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
6	-87.7	-37.5	-4.2	-120.0	-180.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
7	-87.7	-37.5	-4.2	-180.0	-150.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
8	-87.7	-37.5	-4.2	-150.0	-150.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background

9	-87.7	-37.5	-4.2	-120.0	-150.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
10	-87.7	-37.5	-4.2	-180.0	-120.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
11	-87.7	-37.5	-4.2	-150.0	-120.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
12	-87.7	-37.5	-4.2	-120.0	-120.0	-210.0	-430.0	-1665.0	-54.8	-342.0	-1710.0	GCU + Background
13	-87.7	-37.5	-4.2	-180.0	-180.0	-210.0	-700.0	-1715.0	-54.8	-342.0	-1710.0	GCU + Background
14	-87.7	-37.5	-4.2	-180.0	-180.0	-180.0	-800.0	-1600.0	-54.8	-342.0	-1710.0	GCU + Background
15	-87.7	-37.5	-4.2	-180.0	-180.0	-155.2	-1100.0	-1715.4	-54.8	-342.0	-1710.0	GCU + Background
29	-87.7	-37.5	-4.2	-180.0	-180.0	-155.2	-1100.0	-1715.4	-44.2	-376.5	-1845.0	GCU + Background
16	-87.7	-37.5	-4.2	-180.0	-180.0	-155.2	-1100.0	-1715.4	-41.5	-370.5	-1845.0	GCU + Background
17	-87.7	-37.5	-4.2	-180.0	-180.0	-155.2	-1100.0	-1715.4	-45.5	-373.5	-1825.0	GCU + Background
18	-87.7	-37.5	-4.2	-180.0	-180.0	-155.2	-1100.0	-1715.4	-45.5	-373.5	-1845.0	GCU + Background
19	-87.7	-37.5	-4.2	-180.0	-180.0	-155.2	-1100.0	-1715.4	-47.0	-376.5	-1825.0	GCU + Background
20	-87.7	-37.5	-4.2	-180.0	-180.0	-155.2	-1100.0	-1715.4	-47.0	-376.5	-1845.0	GCU + Background
21	-87.7	-37.5	-4.2	-180.0	-180.0	-180.0	-800.0	-1600.0	-45.5	-373.5	-1825.0	GCU + Background
22	-87.7	-37.5	-4.2	-180.0	-180.0	-180.0	-800.0	-1600.0	-45.5	-373.5	-1845.0	GCU + Background
23	-87.7	-37.5	-4.2	-180.0	-180.0	-180.0	-800.0	-1600.0	-47.0	-376.5	-1825.0	GCU + Background
24	-87.7	-37.5	-4.2	-180.0	-180.0	-180.0	-800.0	-1600.0	-47.0	-376.5	-1845.0	GCU + Background
25	-87.7	-37.5	-4.2	-180.0	-180.0	-210.0	-700.0	-1715.0	-45.5	-373.5	-1825.0	GCU + Background
26	-87.7	-37.5	-4.2	-180.0	-180.0	-210.0	-700.0	-1715.0	-45.5	-373.5	-1845.0	GCU + Background
27	-87.7	-37.5	-4.2	-180.0	-180.0	-210.0	-700.0	-1715.0	-47.0	-376.5	-1825.0	GCU + Background
28	-87.7	-37.5	-4.2	-180.0	-180.0	-210.0	-700.0	-1715.0	-47.0	-376.5	-1845.0	GCU + Background

STP017

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
10:00 - 11:30 => MWOL								
252_11:30:00	1	DFMS	Mode	222	0	8	34740	252_21:09:00
252_11:39:00	1	RTOF	Flight sequence	ARNS041A_RTOF	0	0	60	252_11:40:00
252_11:40:00	0	RTOF	Mode	521	15	9	34100	252_21:08:20
252_11:41:00	0	COPS	Mode	336	1	0	60	252_11:42:00
252_21:09:00	0	DFMS	Mode	220	0	0	1194	252_21:28:54
252_21:45:54	1	DFMS	Flight sequence	ARNS081B	0	0	10	252_21:46:04
252_21:46:04	0	DFMS	Mode	1	0	0	120	252_21:48:04

22:00 - 23:00 => MWNV

252_23:00:04	1	DFMS	Mode	222	0	6	27180	253_06:33:04
252_23:05:00	1	RTOF	Mode	521	15	7	27280	253_06:39:40
253_06:18:20	0	RTOF	Mode	521	15	0	3410	253_07:15:10
253_06:33:04	0	DFMS	Mode	220	0	0	1194	253_06:52:58
253_07:12:30	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	253_07:16:30
253_07:16:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	253_07:18:35
253_07:18:35	0	RTOF	Flight sequence	ARNF014A	0	0	120	253_07:20:35
253_07:20:35	0	COPS	Flight sequence	ARNF011A	0	0	210	253_07:24:05

07:25 - 10:35 => MOCM Manoeuvre: CAT-CHANGE-6

253_10:35:00	1	COPS	Flight sequence	ARNF015A	0	0	120	253_10:37:00
253_10:37:00	0	COPS	Mode	336	1	0	60	253_10:38:00
253_10:38:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	253_10:40:00
253_10:40:00	0	DFMS	Mode	222	0	9	38520	253_21:22:00
253_10:50:00	1	RTOF	Flight sequence	ARNF004A	0	0	240	253_10:54:00
253_10:54:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	253_10:55:00
253_10:55:00	0	RTOF	Mode	521	15	10	38230	253_21:32:10
253_21:22:00	0	DFMS	Mode	220	0	0	1194	253_21:41:54
253_21:50:54	1	DFMS	Flight sequence	ARNS081B	0	0	10	253_21:51:04
253_21:51:04	0	DFMS	Mode	1	0	0	120	253_21:53:04
253_21:59:04	1	COPS	Flight sequence	ARNF016A	0	0	60	253_22:00:04

22:00 - 23:00 => MWNV

253_23:00:04	1	DFMS	Mode	515	0	12	6424	254_00:47:08
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22:50 - 02:00 => SLEW

253_23:10:04	1	RTOF	Mode	521	15	10	37510	254_09:35:14
254_00:47:08	0	DFMS	Mode	205	0	4	4320	254_01:59:08
254_01:59:08	0	DFMS	Mode	222	0	6	26580	254_09:22:08
254_02:01:04	1	COPS	Flight sequence	ARNF016B	0	0	60	254_02:02:04
254_09:55:46	1	DFMS	Flight sequence	ARNS081B	0	0	10	254_09:55:56
254_09:55:56	0	DFMS	Mode	1	0	0	120	254_09:57:56

10:00 - 11:00 => MWNV

254_11:00:00	1	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	254_11:01:00
254_11:01:00	0	DFMS	Mode	222	0	9	38520	254_21:43:00
254_11:02:00	0	RTOF	Mode	521	15	10	37510	254_21:27:10
254_21:53:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	254_21:53:10

254_21:53:10	0	DFMS	Mode	1	0	0	120	254_21:55:10
22:00 - 23:00 => MWNV								
254_23:00:00	1	DFMS	Mode	222	0	9	38520	255_09:42:00
254_23:15:00	1	RTOF	Mode	521	15	9	34100	255_08:43:20
255_09:50:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	255_09:50:10
255_09:50:10	0	DFMS	Mode	1	0	0	120	255_09:52:10
10:00 - 11:30 => MWOL								
255_11:30:00	1	DFMS	Mode	222	0	8	34740	255_21:09:00
255_11:40:00	1	RTOF	Mode	521	15	9	34100	255_21:08:20
255_21:09:00	0	DFMS	Mode	260	0	1	1728	255_21:37:48
255_21:45:48	1	DFMS	Flight sequence	ARNS081B	0	0	10	255_21:45:58
255_21:45:58	0	DFMS	Mode	1	0	0	120	255_21:47:58
22:00 - 23:00 => MWNV								
255_23:00:00	1	DFMS	Mode	222	0	9	38520	256_09:42:00
255_23:30:00	1	RTOF	Mode	521	15	9	34100	256_08:58:20
256_08:58:20	0	RTOF	Mode	521	10	0	2360	256_09:37:40
256_09:50:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	256_09:50:10
256_09:50:10	0	DFMS	Mode	1	0	0	120	256_09:52:10
10:00 - 11:00 => MWNV								
256_11:30:00	1	COPS	Mode	336	1	0	60	256_11:31:00
256_11:31:00	1	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	256_11:32:00
256_11:32:00	0	RTOF	Mode	521	15	9	34100	256_21:00:20
256_11:33:00	0	DFMS	Mode	222	0	0	4500	256_12:48:00
256_12:48:00	0	DFMS	Sequence	54	0	5	11520	256_16:00:00
256_16:00:00	0	DFMS	Mode	1052	0	8	8352	256_18:19:12
256_18:19:12	0	DFMS	Mode	222	0	2	11340	256_21:28:12
256_21:50:12	1	DFMS	Flight sequence	ARNS081B	0	0	10	256_21:50:22
256_21:50:22	0	DFMS	Mode	1	0	0	120	256_21:52:22
22:00 - 23:00 => MWNV								
256_23:00:00	1	DFMS	Mode	222	0	6	27180	257_06:33:00
256_23:15:00	1	RTOF	Mode	521	15	7	27280	257_06:49:40
257_06:33:00	0	DFMS	Sequence	48	0	0	632	257_06:43:32
257_06:49:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	257_06:53:40
257_06:53:40	0	DFMS	Flight sequence	ARNF014B	0	0	125	257_06:55:45
257_06:55:45	0	RTOF	Flight sequence	ARNF014A	0	0	120	257_06:57:45

257_06:57:45	0	COPS	Flight sequence	ARNF011A	0	0	210	257_07:01:15
07:25 - 12:15 => MOCM Manoeuvre: CAT-CHANGE-6								
257_12:20:00	1	COPS	Flight sequence	ARNF015A	0	0	120	257_12:22:00
257_12:22:00	0	COPS	Mode	336	1	0	60	257_12:23:00
257_12:23:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	257_12:24:00
257_12:24:00	0	RTOF	Flight sequence	ARNF004A	25	0	240	257_12:28:00
257_12:28:00	0	RTOF	Mode	521	15	8	31410	257_21:11:30
257_12:29:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	257_12:31:00
257_12:31:00	0	DFMS	Mode	222	0	7	30960	257_21:07:00
257_21:07:00	0	DFMS	Mode	572	1	0	2560	257_21:49:40
257_21:52:40	1	DFMS	Flight sequence	ARNS081B	0	0	10	257_21:52:50
257_21:52:50	0	DFMS	Mode	1	0	0	120	257_21:54:50
22:00 - 23:00 => MWNV								
257_23:00:00	1	DFMS	Mode	222	0	9	38520	258_09:42:00
257_23:30:00	1	RTOF	Mode	521	15	9	34100	258_08:58:20
258_08:58:20	0	RTOF	Mode	181	5	0	1370	258_09:21:10
258_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	258_09:55:10
258_09:55:10	0	DFMS	Mode	1	0	0	120	258_09:57:10
10:00 - 11:00 => MWNV								
258_11:00:00	1	DFMS	Mode	222	0	9	38520	258_21:42:00
258_11:15:00	1	RTOF	Mode	521	15	9	34100	258_20:43:20
258_20:43:20	0	RTOF	Mode	521	15	0	3410	258_21:40:10
258_21:52:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	258_21:52:10
258_21:52:10	0	DFMS	Mode	1	0	0	120	258_21:54:10
22:00 - 23:00 => MWNV								
258_23:00:00	1	DFMS	Mode	222	0	9	38520	259_09:42:00
258_23:15:00	1	RTOF	Mode	521	15	9	34100	259_08:43:20
259_08:43:20	0	RTOF	Mode	521	15	0	3410	259_09:40:10
259_09:52:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	259_09:52:10
259_09:52:10	0	DFMS	Mode	1	0	0	120	259_09:54:10
10:00 - 11:30 => MWOL								

STP018

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time	
10:00 - 11:30 => MWOL									
259_11:00:00			optimized RTOF parameters are set for Mode 521						
259_11:30:00	1	DFMS	Mode	222	0	8	34740	259_21:09:00	
259_11:31:00	1	COPS	Mode	336	1	0	60	259_11:32:00	
259_11:32:00	1	RTOF	Mode	521	15	9	34100	259_21:00:20	
259_21:00:20	0	RTOF	Mode	521	10	0	2360	259_21:39:40	
259_21:09:00	0	DFMS	Mode	260	0	1	1728	259_21:37:48	
259_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	259_21:55:10	
259_21:55:10	0	DFMS	Mode	1	0	0	120	259_21:57:10	
22:00 - 23:00 => MWNV									
259_23:00:00	1	DFMS	Mode	1052	0	20	20208	260_04:36:48	
259_23:01:00	1	RTOF	Mode	521	15	7	27280	260_06:35:40	
260_04:36:48	0	DFMS	Mode	1052	0	7	7424	260_06:40:32	
260_06:35:40	0	RTOF	Mode	521	8	0	1940	260_07:08:00	
260_06:40:32	0	DFMS	Mode	157	0	4	1600	260_07:07:12	
260_07:08:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	260_07:12:00	
260_07:12:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	260_07:14:05	
260_07:14:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	260_07:16:05	
260_07:16:05	0	COPS	Flight sequence	ARNF011A	0	0	210	260_07:19:35	
07:25 - 12:15 => MOCM Manoeuvre: GMP-2									
260_12:15:00	1	COPS	Flight sequence	ARNF015A	0	0	120	260_12:17:00	
260_12:17:00	0	COPS	Mode	336	1	0	60	260_12:18:00	
260_12:18:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	260_12:19:00	
260_12:19:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	260_12:23:00	
260_12:23:00	0	RTOF	Mode	521	15	8	31410	260_21:06:30	
260_12:24:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	260_12:26:00	
260_12:26:00	0	DFMS	Mode	222	0	7	30960	260_21:02:00	
260_21:02:00	0	DFMS	Mode	572	0	1	2560	260_21:44:40	
260_21:50:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	260_21:50:10	
260_21:50:10	0	DFMS	Mode	1	0	0	120	260_21:52:10	
22:00 - 23:00 => MWNV									

260_23:00:00	1	RTOF	Mode	521	15	10	37510	261_09:25:10
260_23:02:00	1	DFMS	Sequence	54	0	9	19920	261_04:34:00
261_04:34:00	0	DFMS	Sequence	54	0	7	15360	261_08:50:00
261_08:50:00	0	DFMS	Mode	262	0	0	2880	261_09:38:00
261_09:25:10	0	RTOF	Mode	521	6	0	1520	261_09:50:30
261_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	261_09:55:10
261_09:55:10	0	DFMS	Mode	1	0	0	120	261_09:57:10

10:00 - 11:00 => MWNV

261_11:00:00	1	COPS	Mode	336	1	0	60	261_11:01:00
261_11:02:00	1	DFMS	Mode	222	0	9	38520	261_21:44:00
261_11:04:00	1	RTOF	Mode	521	15	9	34100	261_20:32:20
261_20:32:20	0	RTOF	Mode	521	15	0	3410	261_21:29:10
261_21:29:10	0	RTOF	Mode	521	4	0	1100	261_21:47:30
261_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	261_21:55:10
261_21:55:10	0	DFMS	Mode	1	0	0	120	261_21:57:10

22:00 - 23:00 => MWNV

261_23:00:00	1	DFMS	Mode	222	0	9	38520	262_09:42:00
261_23:02:00	1	RTOF	Mode	521	15	10	37510	262_09:27:10
262_09:42:00	0	DFMS	Mode	157	0	0	368	262_09:48:08
262_09:27:10	0	RTOF	Mode	521	6	0	1520	262_09:52:30
262_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	262_09:55:10
262_09:55:10	0	DFMS	Mode	1	0	0	120	262_09:57:10

10:00 - 11:30 => MWOL

262_11:30:00	1	COPS	Mode	336	1	0	60	262_11:31:00
262_11:31:00	1	DFMS	Mode	1052	0	20	20208	262_17:07:48
262_11:32:00	1	RTOF	Mode	521	15	10	37510	262_21:57:10
262_17:07:48	0	DFMS	Mode	1052	0	14	13920	262_20:59:48
262_20:59:48	0	DFMS	Mode	260	0	2	2592	262_21:43:00
262_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	262_21:55:10
262_21:55:10	0	DFMS	Mode	1	0	0	120	262_21:57:10

22:00 - 23:00 => MWNV

262_23:00:00	1	DFMS	Mode	222	0	8	34740	263_08:39:00
262_23:01:00	1	RTOF	Mode	521	15	10	37510	263_09:26:10
263_08:39:00	0	DFMS	Mode	572	0	2	3840	263_09:43:00
263_09:26:10	0	RTOF	Mode	181	3	0	950	263_09:42:00

263_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	263_09:55:10
263_09:55:10	0	DFMS	Mode	1	0	0	120	263_09:57:10
10:00 - 11:00 => MWNV								
263_11:00:00	1	COPS	Mode	336	1	0	60	263_11:01:00
263_11:02:00	1	DFMS	Mode	222	0	9	38520	263_21:44:00
263_11:04:00	1	RTOF	Mode	521	15	10	37510	263_21:29:10
263_21:29:10	0	RTOF	Mode	521	4	0	1100	263_21:47:30
263_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	263_21:55:10
263_21:55:10	0	DFMS	Mode	1	0	0	120	263_21:57:10
22:00 - 23:00 => MWNV								
263_23:00:00	1	DFMS	Mode	222	0	6	27180	264_06:33:00
263_23:01:00	1	RTOF	Mode	521	15	7	27280	264_06:35:40
264_06:33:00	0	DFMS	Mode	260	0	1	1728	264_07:01:48
264_06:35:40	0	RTOF	Mode	521	8	0	1940	264_07:08:00
264_07:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	264_07:14:00
264_07:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	264_07:16:05
264_07:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	264_07:18:05
264_07:18:05	0	COPS	Flight sequence	ARNF011A	0	0	210	264_07:21:35
07:25 - 12:15 => MOCM Manoeuvre: GMP-SLOT-2								
264_12:15:00	1	COPS	Flight sequence	ARNF015A	0	0	120	264_12:17:00
264_12:17:00	0	COPS	Mode	336	1	0	60	264_12:18:00
264_12:18:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	264_12:19:00
264_12:19:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	264_12:23:00
264_12:23:00	0	RTOF	Mode	521	15	8	31410	264_21:06:30
264_12:24:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	264_12:26:00
264_12:26:00	0	DFMS	Mode	222	0	6	27180	264_19:59:00
264_19:59:00	0	DFMS	Mode	262	0	1	5760	264_21:35:00
264_21:06:30	0	RTOF	Mode	521	9	0	2150	264_21:42:20
264_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	264_21:55:10
264_21:55:10	0	DFMS	Mode	1	0	0	120	264_21:57:10
22:00 - 23:00 => MWNV								
264_23:00:00	1	RTOF	Mode	521	15	10	37510	265_09:25:10
264_23:02:00	1	DFMS	Mode	222	0	8	34740	265_08:41:00
265_09:25:10	0	RTOF	Mode	521	6	0	1520	265_09:50:30
265_08:41:00	0	DFMS	Mode	572	0	2	3840	265_09:45:00

265_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	265_09:55:10
265_09:55:10	0	DFMS	Mode	1	0	0	120	265_09:57:10
10:00 - 11:00 => MWNV								
265_11:00:00	1	COPS	Mode	336	1	0	60	265_11:01:00
265_11:02:00	1	DFMS	Mode	222	0	9	38520	265_21:44:00
265_11:04:00	1	RTOF	Mode	521	15	10	37510	265_21:29:10
265_21:29:10	0	RTOF	Mode	521	4	0	1100	265_21:47:30
265_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	265_21:55:10
265_21:55:10	0	DFMS	Mode	1	0	0	120	265_21:57:10
22:00 - 23:00 => MWNV								
265_23:00:00	1	RTOF	Mode	521	15	10	37510	266_09:25:10
265_23:02:00	1	DFMS	Mode	222	0	8	34740	266_08:41:00
266_09:25:10	0	RTOF	Mode	521	5	0	1310	266_09:47:00
266_08:41:00	0	DFMS	Mode	260	0	3	3456	266_09:38:36
266_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	266_09:55:10
266_09:55:10	0	DFMS	Mode	1	0	0	120	266_09:57:10
10:00 - 11:00 => MWNV								

STP019

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
10:00-11:30 MWOL								
266_11:30:00	1	COPS	Mode	336	1	0	60	266_11:31:00
266_11:31:00	1	RTOF	Mode	510	2	0	1540	266_11:56:40
266_11:32:00	1	DFMS	Mode	222	0	8	34740	266_21:11:00
266_11:56:40	0	RTOF	Mode	1	0	0	240	266_12:00:40
266_12:00:40	1	RTOF	Mode	521	15	9	34960	266_21:43:20
266_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	266_21:55:10
266_21:55:10	0	DFMS	Mode	1	0	0	120	266_21:57:10
22:00-23:00 MWNV								
266_23:00:00	1	RTOF	Mode	521	14	8	28800	267_07:00:00
266_23:01:00	1	DFMS	Mode	222	0	1	8280	267_01:19:00
267_01:19:00	0	DFMS	Mode	1052	1	10	20416	267_06:59:16

267_07:00:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	267_07:04:00
267_07:04:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	267_07:06:05
267_07:06:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	267_07:08:05
267_07:08:05	0	COPS	Flight sequence	ARNF011A	0	0	210	267_07:11:35
07:25-10:35 MOCM								
267_10:35:00	1	COPS	Flight sequence	ARNF015A	0	0	120	267_10:37:00
267_10:37:00	0	COPS	Mode	336	1	0	60	267_10:38:00
267_10:38:00	0	RTOF	Flight sequence	ARNF004A	25	0	240	267_10:42:00
267_10:42:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	267_10:43:00
267_10:43:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	267_10:45:00
267_10:45:00	0	RTOF	Mode	521	13	12	39590	267_21:44:50
267_10:46:00	0	DFMS	Mode	222	0	6	27180	267_18:19:00
267_18:19:00	0	DFMS	Sequence	54	0	5	11520	267_21:31:00
267_21:31:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	267_21:31:10
267_21:31:10	0	DFMS	Mode	1	0	0	120	267_21:33:10
22:00-23:00 MWNV								
267_23:00:00	1	RTOF	Mode	521	13	12	38870	268_09:47:50
267_23:01:00	1	DFMS	Mode	222	0	9	38520	268_09:43:00
268_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	268_09:55:10
268_09:55:10	0	DFMS	Mode	1	0	0	120	268_09:57:10
10:00-11:00 MWNV								
268_11:00:00	1	RTOF	Mode	521	13	12	38870	268_21:47:50
268_11:01:00	1	COPS	Mode	336	1	0	60	268_11:02:00
268_11:02:00	1	DFMS	Mode	222	0	4	19620	268_16:29:00
268_16:29:00	0	DFMS	Mode	260	0	0	864	268_16:43:24
268_16:43:24	0	DFMS	Mode	262	0	0	2880	268_17:31:24
268_17:31:24	0	DFMS	Mode	260	0	0	864	268_17:45:48
268_17:45:48	0	DFMS	Mode	262	0	0	2880	268_18:33:48
268_18:33:48	0	DFMS	Mode	260	0	0	864	268_18:48:12
268_18:48:12	0	DFMS	Mode	262	0	0	2880	268_19:36:12
268_19:36:12	0	DFMS	Mode	572	0	5	7680	268_21:44:12
268_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	268_21:55:10
268_21:55:10	0	DFMS	Mode	1	0	0	120	268_21:57:10
22:00-23:00 MWNV								
268_23:00:00	1	RTOF	Mode	521	13	12	38870	269_09:47:50

268_23:01:00	1	DFMS	Mode	222	0	9	38520	269_09:43:00
269_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	269_09:55:10
269_09:55:10	0	DFMS	Mode	1	0	0	120	269_09:57:10

10:00-11:30 MWOL

269_11:30:00	1	RTOF	Mode	521	15	10	37510	269_21:55:10
269_11:31:00	1	COPS	Mode	336	1	0	60	269_11:32:00
269_11:32:00	1	DFMS	Mode	222	0	3	15840	269_15:56:00
269_15:56:00	0	DFMS	Mode	260	0	0	864	269_16:10:24
269_16:10:24	0	DFMS	Mode	262	0	0	2880	269_16:58:24
269_16:58:24	0	DFMS	Mode	260	0	0	864	269_17:12:48
269_17:12:48	0	DFMS	Mode	262	0	0	2880	269_18:00:48
269_18:00:48	0	DFMS	Mode	260	0	0	864	269_18:15:12
269_18:15:12	0	DFMS	Mode	262	0	0	2880	269_19:03:12
269_19:03:12	0	DFMS	Mode	260	0	0	864	269_19:17:36
269_19:17:36	0	DFMS	Mode	262	0	0	2880	269_20:05:36
269_20:05:36	0	DFMS	Mode	572	0	4	6400	269_21:52:16
269_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	269_21:55:10
269_21:55:10	0	DFMS	Mode	1	0	0	120	269_21:57:10

22:00-23:00 MWNV

269_23:00:00	1	RTOF	Mode	521	13	12	38870	270_09:47:50
269_23:01:00	1	DFMS	Mode	222	0	3	15840	270_03:25:00
270_03:25:00	0	DFMS	Mode	1052	1	11	22272	270_09:36:12
270_09:36:12	0	DFMS	Mode	260	0	0	864	270_09:50:36
270_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	270_09:55:10
270_09:55:10	0	DFMS	Mode	1	0	0	120	270_09:57:10

10:00-11:00 MWNV

270_11:00:00	1	RTOF	Mode	521	13	12	38870	270_21:47:50
270_11:01:00	1	COPS	Mode	336	1	0	60	270_11:02:00
270_11:02:00	1	DFMS	Mode	222	0	4	19620	270_16:29:00
270_16:29:00	0	DFMS	Mode	260	0	0	864	270_16:43:24
270_16:43:24	0	DFMS	Mode	262	0	0	2880	270_17:31:24
270_17:31:24	0	DFMS	Mode	260	0	0	864	270_17:45:48
270_17:45:48	0	DFMS	Mode	262	0	0	2880	270_18:33:48
270_18:33:48	0	DFMS	Mode	260	0	0	864	270_18:48:12
270_18:48:12	0	DFMS	Mode	262	0	0	2880	270_19:36:12

270_19:36:12	0	DFMS	Mode	572	0	5	7680	270_21:44:12
270_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	270_21:55:10
270_21:55:10	0	DFMS	Mode	1	0	0	120	270_21:57:10

22:00-23:00 MWNV

270_23:00:00	1	RTOF	Mode	521	13	12	38870	271_09:47:50
270_23:01:00	1	DFMS	Mode	222	0	9	38520	271_09:43:00
271_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	271_09:55:10
271_09:55:10	0	DFMS	Mode	1	0	0	120	271_09:57:10

10:00-11:30 MWOL

STP020

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
10:00-11:30 MWOL								
271_11:30:00	1	COPS	Mode	336	1	0	60	271_11:31:00
271_11:31:00	1	DFMS	Mode	532	0	6	37204	271_21:51:04
271_11:41:00	1	RTOF	Mode	521	15	9	34100	271_21:09:20
271_21:09:20	0	RTOF	Mode	521	12	0	2780	271_21:55:40
271_21:55:04	1	DFMS	Flight sequence	ARNS081B	0	0	10	271_21:55:14
271_21:55:14	0	DFMS	Mode	1	0	0	120	271_21:57:14
22:00-23:00 MWNV								
271_23:00:00	1	DFMS	Mode	502	0	15	21200	272_04:53:20
271_23:02:00	1	RTOF	Mode	521	15	7	27280	272_06:36:40
272_04:53:20	0	DFMS	Mode	502	0	5	7680	272_07:01:20
272_07:01:20	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	272_07:05:20
272_07:05:20	0	DFMS	Mode	1	0	0	600	272_07:15:20
272_07:06:20	0	RTOF	Mode	1	0	0	120	272_07:08:20
272_07:15:20	0	DFMS	Flight sequence	ARNF014B	0	0	125	272_07:17:25
272_07:17:25	0	RTOF	Flight sequence	ARNF014A	0	0	120	272_07:19:25
272_07:19:25	0	COPS	Flight sequence	ARNF011A	0	0	210	272_07:22:55
07:25-10:35 MOCM								
272_10:35:00	1	COPS	Flight sequence	ARNF015A	0	0	120	272_10:37:00
272_10:37:00	0	COPS	Mode	336	1	0	60	272_10:38:00

272_10:38:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	272_10:40:00
272_10:40:00	0	DFMS	Mode	222	0	14	39420	272_21:37:00
272_10:41:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	272_10:45:00
272_10:45:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	272_10:46:00
272_10:46:00	0	RTOF	Mode	521	15	10	38180	272_21:22:20
272_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	272_21:55:10
272_21:55:10	0	DFMS	Mode	1	0	0	120	272_21:57:10

22:00-23:00 MWNV

272_23:00:00	1	DFMS	Mode	222	0	14	39420	273_09:57:00
272_23:10:00	1	RTOF	Mode	521	15	10	37510	273_09:35:10
273_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	273_09:57:10
273_09:57:10	0	DFMS	Mode	1	0	0	120	273_09:59:10

10:00-11:00 MWNV

273_11:00:00	1	COPS	Mode	336	1	0	60	273_11:01:00
273_11:01:00	1	DFMS	Mode	1052	0	15	15568	273_15:20:28
273_11:10:00	1	RTOF	Mode	521	15	10	37510	273_21:35:10
273_15:20:28	0	DFMS	Mode	222	0	7	20640	273_21:04:28
273_21:55:28	1	DFMS	Flight sequence	ARNS081B	0	0	10	273_21:55:38
273_21:55:38	0	DFMS	Mode	1	0	0	120	273_21:57:38

22:00-23:00 MWNV

273_23:00:00	1	DFMS	Mode	222	0	6	18780	274_04:13:00
273_23:10:00	1	RTOF	Mode	521	15	9	34100	274_08:38:20
274_04:13:00	0	DFMS	Mode	262	0	5	17280	274_09:01:00
274_09:35:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	274_09:35:10
274_09:36:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	274_09:40:00
274_09:40:00	0	DFMS	Mode	1	0	0	600	274_0950:00
274_09:48:00	0	RTOF	Mode	1	0	0	120	274_09:50:00
274_09:50:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	274_09:52:05
274_09:53:00	0	RTOF	Flight sequence	ARNF014A	0	0	120	274_09:55:00
274_09:55:00	0	COPS	Flight sequence	ARNF011A	0	0	210	274_09:58:30

10:00-13:31 MOCM

274_13:32:00	1	COPS	Flight sequence	ARNF015A	0	0	120	274_13:34:00
274_13:34:00	1	COPS	Mode	336	1	0	60	274_13:35:00
274_13:35:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	274_13:37:00
274_13:37:00	1	DFMS	Mode	222	0	10	36840	

272_13:38:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	274_13:42:00
274_13:42:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	274_10:43:00
274_13:43:00	0	RTOF	Mode	521	15	6	34100	
274_21:04:20	0	RTOF	Mode	521	12	0	2780	274_21:50:40
274_21:45:00	0	DFMS	Sequence	48	0	0	632	274_21:55:32
274_21:55:32	0	DFMS	Flight sequence	ARNS081B	0	0	10	274_21:55:42
274_21:55:42	0	DFMS	Mode	1	0	0	120	274_21:57:42

22:00-23:00 MWNV

274_23:00:00	1	DFMS	Mode	222	0	12	34260	275_08:31:00
274_23:10:00	1	RTOF	Mode	521	15	10	37510	275_09:35:10
275_08:31:00	0	DFMS	Sequence	54	0	1	3840	275_09:35:00
275_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	275_09:55:10
275_09:55:10	0	DFMS	Mode	1	0	0	120	275_09:57:10

10:00-11:00 MWNV

275_11:00:00	1	COPS	Mode	336	1	0	60	275_11:01:00
275_11:01:00	1	DFMS	Mode	222	0	14	39420	275_21:58:00
275_11:10:00	1	RTOF	Mode	521	15	9	34100	275_20:38:20
275_20:38:20	0	RTOF	Mode	521	15	0	3410	275_21:35:10
275_21:58:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	275_21:58:10
275_21:58:10	0	DFMS	Mode	1	0	0	120	275_22:00:10

22:00-23:00 MWNV

275_23:00:00	1	DFMS	Mode	222	0	14	39420	276_09:57:00
275_23:10:00	1	RTOF	Mode	521	15	9	34100	276_08:38:20
276_08:38:20	0	RTOF	Mode	521	15	0	3410	276_09:35:10
276_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	276_09:57:10
276_09:57:10	0	DFMS	Mode	1	0	0	120	276_09:59:10

10:00-11:30 MWOL

STP021

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MWOL								
276_11:30:00	1	DFMS	Mode	222	13	0	36840	276_21:44:00
276_11:31:00	1	COPS	Mode	336	1	0	60	276_11:32:00
START OF RTOF OPTIMIZATION								
11:32:00	Set nominal voltages (theoretically already set)							
276_11:33:00	1	RTOF	Mode	181	2	0	930	276_11:48:30
276_11:45:20	0	RTOF	Mode	521	3	0	890	276_12:00:10
12:02:00	Set voltages for step 1 (see table below)							
276_12:03:00	1	RTOF	Mode	181	2	0	740	276_12:15:20
276_12:15:20	0	RTOF	Mode	521	3	0	890	276_12:30:10
12:32:00	Set voltages for step 2							
276_12:33:00	1	RTOF	Mode	181	2	0	740	276_12:45:20
276_12:45:20	0	RTOF	Mode	521	3	0	890	276_13:00:10
13:02:00	Set voltages for step 3							
276_13:03:00	1	RTOF	Mode	181	2	0	740	276_13:15:20
276_13:15:20	0	RTOF	Mode	521	3	0	890	276_13:30:10
13:32:00	Set voltages for step 4							
276_13:33:00	1	RTOF	Mode	181	2	0	740	276_13:45:20
276_13:45:20	0	RTOF	Mode	521	3	0	890	276_14:00:10
14:02:00	Set voltages for step 5							
276_14:03:00	1	RTOF	Mode	181	2	0	740	276_14:15:20
276_14:15:20	0	RTOF	Mode	521	3	0	890	276_14:30:10
14:32:00	Set voltages for step 6							
276_14:33:00	1	RTOF	Mode	181	2	0	740	276_14:45:20
276_14:45:20	0	RTOF	Mode	521	3	0	890	276_15:00:10
END OF RTOF OPTIMIZATION								
276_15:02:00	1	RTOF	Mode	521	12	8	25020	276_21:59:00
276_21:54:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	276_21:54:10
276_21:55:00	1	DFMS	Mode	1	0	0	120	276_21:57:00
MWNV								
276_23:00:00	1	DFMS	Mode	222	14	0	39420	277_09:57:00

276_23:01:00	1	RTOF	Mode	521	15	10	37510	277_09:26:10
277_09:26:10	0	RTOF	Mode	521	8	0	1940	277_09:58:30
277_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	277_09:57:10
277_09:58:00	1	DFMS	Mode	1	0	0	120	277_10:00:00
MWNV								
277_11:00:00	1	DFMS	Mode	222	14	0	39420	277_21:57:00
277_11:01:00	1	RTOF	Mode	521	15	10	37510	277_21:26:10
277_11:02:00	1	COPS	Mode	336	1	0	60	277_11:03:00
277_21:26:10	0	RTOF	Mode	521	8	0	1940	277_21:58:30
277_21:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	277_21:57:10
277_21:58:00	1	DFMS	Mode	1	0	0	120	277_22:00:00
MWNV								
277_23:00:00	1	DFMS	Mode	222	9	0	26520	278_06:22:00
277_23:01:00	1	RTOF	Mode	521	15	7	27280	278_06:35:40
278_06:22:00	0	DFMS	Mode	1052	1	0	1856	278_06:52:56
278_06:35:40	0	RTOF	Mode	521	6	0	1520	278_07:01:00
278_07:01:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	278_07:05:00
278_07:05:00	0	DFMS	Mode	1	0	0	600	278_07:15:00
278_07:06:00	0	RTOF	Mode	1	0	0	120	278_07:08:00
278_07:15:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	278_07:17:05
278_07:17:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	278_07:19:05
278_07:19:05	0	COPS	Flight sequence	ARNF011A	0	0	210	278_07:22:35
MOCM								
278_12:15:01	1	COPS	Flight sequence	ARNF015A	0	0	120	278_12:17:01
278_12:17:01	0	COPS	Mode	336	1	0	60	278_12:18:01
278_12:18:01	0	DFMS	Flight sequence	ARNF003A	0	0	120	278_12:20:01
278_12:20:01	0	DFMS	Mode	222	12	0	34260	278_21:51:01
278_12:21:01	0	RTOF	Flight sequence	ARNF004A	0	0	240	278_12:25:01
278_12:25:01	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	278_12:26:01
278_12:26:01	0	RTOF	Mode	521	15	8	31360	278_21:08:41
278_21:08:41	0	RTOF	Mode	521	13	0	2990	278_21:58:31
278_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	278_21:57:10
278_21:58:00	1	DFMS	Mode	1	0	0	120	278_22:00:00
MWNV								
278_23:00:00	1	DFMS	Mode	222	14	0	39420	279_09:57:00

278_23:01:00	1	RTOF	Mode	521	15	10	37510	279_09:26:10
279_09:26:10	0	RTOF	Mode	521	8	0	1940	279_09:58:30
279_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	279_09:57:10
279_09:58:00	1	DFMS	Mode	1	0	0	120	279_10:00:00

MWNV

279_11:00:00	1	DFMS	Mode	222	14	0	39420	279_21:57:00
279_11:01:00	1	RTOF	Mode	521	15	10	37510	279_21:26:10
279_11:02:00	1	COPS	Mode	336	1	0	60	279_11:03:00
279_21:26:10	0	RTOF	Mode	521	8	0	1940	279_21:58:30
279_21:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	279_21:57:10
279_21:58:00	1	DFMS	Mode	1	0	0	120	279_22:00:00

MWNV

279_23:00:00	1	DFMS	Mode	222	14	0	39420	280_09:57:00
279_23:01:00	1	RTOF	Mode	521	15	10	37510	280_09:26:10
280_09:26:10	0	RTOF	Mode	521	8	0	1940	280_09:58:30
280_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	280_09:57:10
280_09:57:59	1	DFMS	Mode	1	0	0	120	280_09:59:59

MWOL

280_11:30:00	1	RTOF	Mode	521	15	10	37510	280_21:55:10
280_11:31:00	1	DFMS	Mode	222	13	0	36840	280_21:45:00
280_11:32:00	1	COPS	Mode	336	1	0	60	280_11:33:00
280_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	280_21:57:10
280_21:58:00	1	DFMS	Mode	1	0	0	120	280_22:00:00

MWNV

280_23:00:00	1	DFMS	Mode	222	9	0	26520	281_06:22:00
280_23:01:00	1	RTOF	Mode	521	15	7	27280	281_06:35:40
281_06:22:00	0	DFMS	Mode	1052	1	0	1856	281_06:52:56
281_06:35:40	0	RTOF	Mode	521	6	0	1520	281_07:01:00
281_07:01:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	281_07:05:00
281_07:05:00	0	DFMS	Mode	1	0	0	600	281_07:15:00
281_07:06:00	0	RTOF	Mode	1	0	0	120	281_07:08:00
281_07:15:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	281_07:17:05
281_07:17:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	281_07:19:05
281_07:19:05	0	COPS	Flight sequence	ARNF011A	0	0	210	281_07:22:35

MOCM

281_10:35:01	1	COPS	Flight sequence	ARNF015A	0	0	120	281_10:37:01
281_10:37:01	0	COPS	Mode	336	1	0	60	281_10:38:01
281_10:38:01	0	DFMS	Flight sequence	ARNF003A	0	0	120	281_10:40:01
281_10:40:01	0	DFMS	Mode	222	14	0	39420	281_21:37:01
281_10:41:01	0	RTOF	Flight sequence	ARNF004A	0	0	240	281_10:45:01
281_10:45:01	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	281_10:46:01
281_10:46:01	0	RTOF	Mode	521	15	10	38180	281_21:22:21
281_21:22:21	0	RTOF	Mode	521	9	0	2150	281_21:58:11
281_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	281_21:57:10
281_21:58:00	1	DFMS	Mode	1	0	0	120	281_22:00:00

MWNV

281_23:00:00	1	DFMS	Mode	222	14	0	39420	282_09:57:00
281_23:01:00	1	RTOF	Mode	521	15	10	37510	282_09:26:10
282_09:26:10	0	RTOF	Mode	521	8	0	1940	282_09:58:30
282_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	282_09:57:10
282_09:58:00	1	DFMS	Mode	1	0	0	120	282_10:00:00

MWNV

282_11:00:00	1	DFMS	Mode	222	14	0	39420	282_21:57:00
282_11:01:00	1	RTOF	Mode	521	15	10	37510	282_21:26:10
282_11:02:00	1	COPS	Mode	336	1	0	60	282_11:03:00
282_21:26:10	0	RTOF	Mode	521	8	0	1940	282_21:58:30
282_21:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	282_21:57:10
282_21:58:00	1	DFMS	Mode	1	0	0	120	282_22:00:00

MWNV

282_23:00:00	1	DFMS	Mode	222	14	0	39420	283_09:57:00
282_23:01:00	1	RTOF	Mode	521	15	10	37510	283_09:26:10
283_09:26:10	0	RTOF	Mode	521	8	0	1940	283_09:58:30
283_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	283_09:57:10
283_09:57:59	1	DFMS	Mode	1	0	0	120	283_09:59:59

MWOL

Step	P_SS [V]	BP_SS [V]	Gr_SS [V]	RepA_SS [V]	RepB_SS [V]	A1_SS [V]	A2_SS [V]	SL_SS [V]	R1 [V]	R2 [V]	RL [V]	
0 (nominal)	-87.7	-37.5	-4.2	-180	-180	-210	-700	-1715	-47	-376.5	-1845	manual optim.
1	-87.7	-37.5	-4.2	-120	-120	-210	-700	-1715	-47	-376.5	-1845	manual optim.
2	-87.7	-37.5	-4.2	-120	-120	-210	-700	-1715	-54.8	-342	-1710	manual optim.
3	-87.7	-37.5	-4.2	-120	-120	-210	-700	-1715	-53.7	-376.5	-1825	python results
4	-87.7	-37.5	-4.2	-180	-180	-210	-700	-1715	-53.7	-376.5	-1825	manual optim.
5	-107	-24	-8	-120	-120	-210	-700	-1715	-53.7	-376.5	-1825	manual optim.
6	-99.1	-33.4	-0.15	-120	-120	-210	-700	-1715	-53.7	-376.5	-1825	python results

STP022

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MWOL								
283_11:30:00	1	DFMS	Mode	222	13	0	36840	283_21:44:00
283_11:31:00	1	RTOF	Mode	521	15	10	37510	283_21:56:10
283_11:32:00	1	COPS	Mode	336	1	0	60	283_11:33:00
283_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	283_21:57:10
283_21:58:00	1	DFMS	Mode	1	0	0	120	283_22:00:00
MWNV								
283_23:00:00	1	DFMS	Mode	222	14	0	39420	284_09:57:00
283_23:01:00	1	RTOF	Mode	521	15	10	37510	284_09:26:10
284_09:26:10	0	RTOF	Mode	521	8	0	1940	284_09:58:30
284_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	284_09:57:10
284_09:58:00	1	DFMS	Mode	1	0	0	120	284_10:00:00
MWNV								
284_11:00:00	1	DFMS	Mode	222	14	0	39420	284_21:57:00
284_11:01:00	1	RTOF	Mode	521	15	10	37510	284_21:26:10
284_11:02:00	1	COPS	Mode	336	1	0	60	284_11:03:00
284_21:26:10	0	RTOF	Mode	521	8	0	1940	284_21:58:30
284_21:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	284_21:57:10
284_21:58:00	1	DFMS	Mode	1	0	0	120	284_22:00:00

MWNV								
284_23:00:00	1	DFMS	Mode	222	9	0	26520	285_06:22:00
284_23:01:00	1	RTOF	Mode	521	15	7	27280	285_06:35:40
285_06:22:00	0	DFMS	Mode	1052	1	0	1856	285_06:52:56
285_06:35:40	0	RTOF	Mode	521	6	0	1520	285_07:01:00
285_07:01:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	285_07:05:00
285_07:05:00	0	DFMS	Mode	1	0	0	600	285_07:15:00
285_07:06:00	0	RTOF	Mode	1	0	0	120	285_07:08:00
285_07:15:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	285_07:17:05
285_07:17:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	285_07:19:05
285_07:19:05	0	COPS	Flight sequence	ARNF011A	0	0	210	285_07:22:35
MOCM								
285_12:15:01	1	COPS	Flight sequence	ARNF015A	0	0	120	285_12:17:01
285_12:17:01	0	COPS	Mode	336	1	0	60	285_12:18:01
285_12:18:01	0	DFMS	Flight sequence	ARNF003A	0	0	120	285_12:20:01
285_12:20:01	0	DFMS	Mode	222	12	0	34260	285_21:51:01
285_12:21:01	0	RTOF	Flight sequence	ARNF004A	0	0	240	285_12:25:01
285_12:25:01	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	285_12:26:01
285_12:26:01	0	RTOF	Mode	521	15	8	31360	285_21:08:41
285_21:08:41	0	RTOF	Mode	521	13	0	2990	285_21:58:31
285_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	285_21:57:10
285_21:58:00	1	DFMS	Mode	1	0	0	120	285_22:00:00
MWNV								
285_23:00:00	1	DFMS	Mode	222	14	0	39420	286_09:57:00
285_23:01:00	1	RTOF	Mode	521	15	10	37510	286_09:26:10
286_09:26:10	0	RTOF	Mode	521	8	0	1940	286_09:58:30
286_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	286_09:57:10
286_09:58:00	1	DFMS	Mode	1	0	0	120	286_10:00:00
MWNV								
286_11:00:00	1	DFMS	Mode	222	14	0	39420	286_21:57:00
286_11:01:00	1	RTOF	Mode	521	15	10	37510	286_21:26:10
286_11:02:00	1	COPS	Mode	336	1	0	60	286_11:03:00
286_21:26:10	0	RTOF	Mode	521	8	0	1940	286_21:58:30
286_21:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	286_21:57:10
286_21:58:00	1	DFMS	Mode	1	0	0	120	286_22:00:00

MWNV								
286_23:00:00	1	DFMS	Mode	222	14	0	39420	287_09:57:00
286_23:01:00	1	RTOF	Mode	521	15	10	37510	287_09:26:10
287_09:26:10	0	RTOF	Mode	521	8	0	1940	287_09:58:30
287_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	287_09:57:10
287_09:58:00	1	DFMS	Mode	1	0	0	120	287_10:00:00
MWOL								
287_11:30:00	1	RTOF	Mode	521	15	10	37510	287_21:55:10
287_11:31:00	1	DFMS	Mode	222	13	0	36840	287_21:45:00
287_11:32:00	1	COPS	Mode	336	1	0	60	287_11:33:00
287_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	287_21:57:10
287_21:58:00	1	DFMS	Mode	1	0	0	120	287_22:00:00
MWNV								
287_23:00:00	1	DFMS	Mode	222	9	0	26520	288_06:22:00
287_23:01:00	1	RTOF	Mode	521	15	7	27280	288_06:35:40
288_06:22:00	0	DFMS	Mode	1052	1	0	1856	288_06:52:56
288_06:35:40	0	RTOF	Mode	521	6	0	1520	288_07:01:00
288_07:01:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	288_07:05:00
288_07:05:00	0	DFMS	Mode	1	0	0	600	288_07:15:00
288_07:06:00	0	RTOF	Mode	1	0	0	120	288_07:08:00
288_07:15:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	288_07:17:05
288_07:17:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	288_07:19:05
288_07:19:05	0	COPS	Flight sequence	ARNF011A	0	0	210	288_07:22:35
MOCM								
288_10:35:01	1	COPS	Flight sequence	ARNF015A	0	0	120	288_10:37:01
288_10:37:01	0	COPS	Mode	336	1	0	60	288_10:38:01
288_10:38:01	0	DFMS	Flight sequence	ARNF003A	0	0	120	288_10:40:01
288_10:40:01	0	DFMS	Mode	222	14	0	39420	288_21:37:01
288_10:41:01	0	RTOF	Flight sequence	ARNF004A	0	0	240	288_10:45:01
288_10:45:01	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	288_10:46:01
288_10:46:01	0	RTOF	Mode	521	15	10	38180	288_21:22:21
288_21:22:21	0	RTOF	Mode	521	9	0	2150	288_21:58:11
288_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	288_21:57:10
288_21:58:00	1	DFMS	Mode	1	0	0	120	288_22:00:00
MWNV								

288_23:00:00	1	DFMS	Mode	222	14	0	39420	289_09:57:00
288_23:01:00	1	RTOF	Mode	521	15	10	37510	289_09:26:10
289_09:26:10	0	RTOF	Mode	521	8	0	1940	289_09:58:30
289_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	289_09:57:10
289_09:58:00	1	DFMS	Mode	1	0	0	120	289_10:00:00

MWNV

289_11:00:00	1	DFMS	Mode	222	14	0	39420	289_21:57:00
289_11:01:00	1	RTOF	Mode	521	15	10	37510	289_21:26:10
289_11:02:00	1	COPS	Mode	336	1	0	60	289_11:03:00
289_21:26:10	0	RTOF	Mode	521	8	0	1940	289_21:58:30
289_21:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	289_21:57:10
289_21:58:00	1	DFMS	Mode	1	0	0	120	289_22:00:00

MWNV

289_23:00:00	1	DFMS	Mode	222	14	0	39420	290_09:57:00
289_23:01:00	1	RTOF	Mode	521	15	10	37510	290_09:26:10
290_09:26:10	0	RTOF	Mode	521	8	0	1940	290_09:58:30
290_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	290_09:57:10
290_09:57:59	1	DFMS	Mode	1	0	0	120	290_09:59:59

MWOL

STP023

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MWOL: 10:00 =>11:30								
290_11:20:00	1	Change RTOF SS table - M521 (permanently) and OS table - M553 (temporarily) with optimized settings from table below						
290_11:30:00	1	COPS	Mode	336	1	0	60	290_11:31:00
290_11:31:00	1	DFMS	Mode	222	13	0	36840	290_21:45:00
290_11:32:00	1	RTOF	Mode	1	0	0	240	290_11:36:00
290_11:36:00	0	RTOF	Mode	523	15	0	4080	290_12:44:00
290_12:45:00	1	Change RTOF OS table - M523 (temporarily) with optimized settings from table below						
290_12:47:00	1	RTOF	Mode	183	2	0	740	290_12:59:20
290_12:59:20	0	RTOF	Mode	523	4	0	1100	290_13:17:40
290_13:17:40	0	RTOF	Mode	553	4	0	1100	290_13:36:00

290_13:36:00	0	RTOF	Mode	1	0	0	240	290_13:40:00
290_13:40:00	0	RTOF	Mode	510	4	0	1650	290_14:07:30
290_14:07:30	0	RTOF	Mode	1	0	0	240	290_14:11:30
290_14:11:30	0	RTOF	Mode	521	15	0	4080	290_15:19:30
290_15:19:30	1	RTOF	Set RTOF intergration time = 400s					
290_15:19:40	1	RTOF	Mode	521	13	0	2990 x 2	290_16:59:20
290_17:17:50	1	RTOF	Set RTOF intergration time = 200s					
290_17:18:00	1	RTOF	Mode	521	15	4	17050	290_22:02:10
290_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	290_21:55:10
290_21:55:10	0	DFMS	Mode	1	0	0	120	290_21:57:10
MWNV: 22:00 =>23:00								
290_23:00:00	1	DFMS	Mode	222	11	0	31680	291_07:48:00
290_23:01:00	1	RTOF	Mode	521	15	10	37510	291_09:26:10
291_07:48:00	0	DFMS	Mode	1052	7	0	7424	291_09:51:44
291_09:26:10	0	RTOF	Mode	521	8	0	1940	291_09:58:30
291_09:51:44	0	DFMS	Flight sequence	ARNS081B	0	0	10	291_09:51:54
291_09:51:54	0	DFMS	Mode	1	0	0	120	291_09:53:54
MWNV: 10:00 =>11:00								
291_11:00:00	1	RTOF	Mode	521	15	10	37510	291_21:25:10
291_11:01:00	1	DFMS	Mode	222	12	0	34260	291_20:32:00
291_20:32:00	0	DFMS	Mode	220	3	0	4776	291_21:51:36
291_21:25:10	0	RTOF	Mode	521	8	0	1940	291_21:57:30
291_21:51:36	0	DFMS	Flight sequence	ARNS081B	0	0	10	291_21:51:46
291_21:51:46	0	DFMS	Mode	1	0	0	120	291_21:53:46
MWNV: 22:00 =>23:00								
291_23:00:00	1	DFMS	Mode	222	9	0	26520	292_06:22:00
291_23:01:00	1	RTOF	Mode	521	15	7	27280	292_06:35:40
292_06:22:00	0	DFMS	Mode	260	1	0	1728	292_06:50:48
292_06:35:40	0	RTOF	Mode	521	9	0	2150	292_07:11:30
292_07:11:30	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	292_07:15:30
292_07:15:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	292_07:17:35
292_07:17:35	0	RTOF	Flight sequence	ARNF014A	0	0	120	292_07:19:35
292_07:19:35	0	COPS	Flight sequence	ARNF011A	0	0	210	292_07:23:05
MOCM : 07H25=>12H15								
292_12:15:00	1	COPS	Flight sequence	ARNF015A	0	0	120	292_12:17:00

292_12:17:00	0	COPS	Mode	336	1	0	60	292_12:18:00
292_12:18:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	292_12:20:00
292_12:20:00	0	DFMS	Mode	222	11	0	31680	292_21:08:00
292_12:21:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	292_12:25:00
292_12:25:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	292_12:26:00
292_12:26:00	0	RTOF	Mode	521	15	8	31410	292_21:09:30
292_21:08:00	0	DFMS	Mode	260	1	0	1728	292_21:36:48
292_21:09:30	0	RTOF	Mode	521	13	0	2990	292_21:59:20
292_21:36:48	0	DFMS	Flight sequence	ARNS081B	0	0	10	292_21:36:58
292_21:36:58	0	DFMS	Mode	1	0	0	120	292_21:38:58

MWNV: 22:00 =>23:00

292_23:00:00	1	DFMS	Mode	222	13	0	36840	293_09:14:00
292_23:01:00	1	RTOF	Mode	521	15	10	37510	293_09:26:10
293_09:14:00	0	DFMS	Mode	260	2	0	2592	293_09:57:12
293_09:26:10	0	RTOF	Mode	521	8	0	1940	293_09:58:30
293_09:57:12	0	DFMS	Flight sequence	ARNS081B	0	0	10	293_09:57:22
293_09:57:22	0	DFMS	Mode	1	0	0	120	293_09:59:22

MWNV: 10:00 =>11:00

293_11:00:00	1	DFMS	Mode	222	12	0	34260	293_20:31:00
293_11:01:00	1	RTOF	Mode	521	15	10	37510	293_21:26:10
293_20:31:00	0	DFMS	Mode	260	4	0	4320	293_21:43:00
293_21:26:10	0	RTOF	Mode	521	8	0	1940	293_21:58:30
293_21:43:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	293_21:43:10
293_21:43:10	0	DFMS	Mode	1	0	0	120	293_21:45:10

MWNV: 22:00 =>23:00

293_23:00:00	1	DFMS	Mode	222	14	0	39420	294_09:57:00
293_23:01:00	1	RTOF	Mode	521	15	10	37510	294_09:26:10
294_09:26:10	0	RTOF	Mode	521	8	0	1940	294_09:58:30
294_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	294_09:57:10
294_09:57:10	0	DFMS	Mode	1	0	0	120	294_09:59:10

MWOL: 10:00 =>11:30

294_11:30:00	1	DFMS	Mode	222	12	0	34260	294_21:01:00
294_11:31:00	1	RTOF	Mode	521	15	10	37510	294_21:56:10
294_21:01:00	0	DFMS	Mode	260	2	0	2592	294_21:44:12
294_21:44:12	0	DFMS	Flight sequence	ARNS081B	0	0	10	294_21:44:22

294_21:44:22	0	DFMS	Mode	1	0	0	120	294_21:46:22
MWNV: 22:00 =>23:00								
294_23:00:00	1	DFMS	Mode	222	10	0	29100	295_07:05:00
294_23:01:00	1	RTOF	Mode	521	15	7	27280	295_06:35:40
295_06:35:40	0	RTOF	Mode	521	7	0	1730	295_07:04:30
295_07:05:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	295_07:09:00
295_07:09:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	295_07:11:05
295_07:11:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	295_07:13:05
295_07:13:05	0	COPS	Flight sequence	ARNF011A	0	0	210	295_07:16:35
MOCM : 07H25=>12H15								
295_12:15:00	1	COPS	Flight sequence	ARNF015A	0	0	120	295_12:17:00
295_12:17:00	0	COPS	Mode	336	1	0	60	295_12:18:00
295_12:18:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	295_12:20:00
295_12:20:00	0	DFMS	Mode	222	11	0	31680	295_21:08:00
295_12:21:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	295_12:25:00
295_12:25:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	295_12:26:00
295_12:26:00	0	RTOF	Mode	521	15	8	31410	295_21:09:30
295_21:08:00	0	DFMS	Mode	260	1	0	1728	295_21:36:48
295_21:09:30	0	RTOF	Mode	521	13	0	2990	295_21:59:20
295_21:36:48	0	DFMS	Flight sequence	ARNS081B	0	0	10	295_21:36:58
295_21:36:58	0	DFMS	Mode	1	0	0	120	295_21:38:58
MWNV: 22:00 =>23:00								
295_23:00:00	1	DFMS	Mode	222	6	0	18780	296_04:13:00
295_23:01:00	1	RTOF	Mode	521	15	10	37510	296_09:26:10
296_04:13:00	0	DFMS	Mode	1052	15	0	14848	296_08:20:28
296_08:20:28	0	DFMS	Mode	1052	5	0	5568	296_09:53:16
296_09:26:10	0	RTOF	Mode	521	8	0	1940	296_09:58:30
296_09:53:16	0	DFMS	Flight sequence	ARNS081B	0	0	10	296_09:53:26
296_09:53:26	0	DFMS	Mode	1	0	0	120	296_09:55:26
MWNV: 10:00 =>11:00								
296_11:00:00	1	DFMS	Mode	222	12	0	34260	296_20:31:00
296_11:01:00	1	RTOF	Mode	521	15	10	37510	296_21:26:10
296_20:31:00	0	DFMS	Mode	260	4	0	4320	296_21:43:00
296_21:26:10	0	RTOF	Mode	521	8	0	1940	296_21:58:30
296_21:43:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	296_21:43:10

296_21:43:10	0	DFMS	Mode	1	0	0	120	296_21:45:10
MWNV: 22:00 =>23:00								
296_23:00:00	1	DFMS	Mode	222	6	0	18780	297_04:13:00
296_23:01:00	1	RTOF	Mode	521	15	10	37510	297_09:26:10
297_04:13:00	0	DFMS	Mode	1052	15	0	14848	297_08:20:28
297_08:20:28	0	DFMS	Mode	1052	5	0	5568	297_09:53:16
297_09:26:10	0	RTOF	Mode	521	8	0	1940	297_09:58:30
297_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	297_09:55:10
297_09:55:10	0	DFMS	Mode	1	0	0	120	297_09:57:10
MWOL: 10:00 =>11:30								

M521	P_SS [V]	BP_SS [V]	Gr_SS [V]	RepA_SS [V]	RepB_SS [V]	A1_SS [V]	A2_SS [V]	SL_SS [V]	R1 [V]	R2 [V]	RL [V]
	-99.1	-33.4	-0.2	-120	-120	-210	-700	-1715	-53.7	-376.5	-1825

M523 & M183 & M553	P_OS [V]	BP_OS [V]	Gr_OS [V]	ELA_OS [V]	ELB_OS [V]	E2_OS [V]	A1_OS [V]	A2_OS [V]	SL_OS [V]	R1 [V]	R2 [V]	RL [V]
	-69.9	-5.1	-4.3	-12.7	-12.3	-10.5	-220.6	-537.9	-1820	-15.6	-413.9	-1633

STP024

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MWOL: 10:00 => 11:30 (VSTP: 43 - GMP Cont2 Arc #5)								
294_11:30:00	1	COPS	Mode	336	1	0	60	294_11:31:00
294_11:31:00	1	DFMS	Mode	222	0	13	36840	294_21:45:00
294_11:32:00	1	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	294_11:33:00
294_11:33:00	0	RTOF	Flight sequence	ARNS061A	12	0	120	294_11:35:00
294_11:35:00	0	RTOF	Flight sequence	ARNS061A	14	0	120	294_11:37:00
294_11:37:00	0	RTOF	Mode	521	15	9	34100	294_21:05:20
294_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	294_21:55:10

294_21:55:10	0	DFMS	Mode	1	0	0	120	294_21:57:10
MWNV: 22:00 => 23:00								
294_23:00:00	1	DFMS	Mode	222	0	10	29100	295_07:05:00
294_23:01:00	1	RTOF	Mode	521	15	7	27280	295_06:35:40
295_06:35:40	0	RTOF	Mode	521	7	0	1730	295_07:04:30
295_07:05:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	295_07:09:00
295_07:09:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	295_07:11:05
295_07:11:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	295_07:13:05
295_07:13:05	0	COPS	Flight sequence	ARNF011A	0	0	210	295_07:16:35
MOCM: 07:25 => 12:15 (Manoeuvre: GMP-CONT2-SLOT-4)								
295_12:15:00	1	COPS	Flight sequence	ARNF015A	0	0	120	295_12:17:00
295_12:17:00	0	COPS	Mode	336	1	0	60	295_12:18:00
295_12:18:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	295_12:20:00
295_12:20:00	0	DFMS	Mode	222	0	11	31680	295_21:08:00
295_12:21:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	295_12:25:00
295_12:25:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	295_12:26:00
295_12:26:00	0	RTOF	Mode	521	15	7	28000	295_20:12:40
295_20:12:40	0	RTOF	Mode	521	13	0	2990	295_21:02:30
295_21:08:00	0	DFMS	Mode	220	0	1	2388	295_21:47:48
295_21:54:48	1	DFMS	Flight sequence	ARNS081B	0	0	10	295_21:54:58
295_21:54:58	0	DFMS	Mode	1	0	0	120	295_21:56:58
MWNV: 22:00 =>23:00								
295_23:00:00	1	DFMS	Mode	222	0	13	36840	296_09:14:00
295_23:01:00	1	RTOF	Mode	521	15	10	37510	296_09:26:10
296_09:14:00	0	DFMS	Mode	220	0	1	2388	296_09:53:48
296_09:26:10	0	RTOF	Mode	521	8	0	1940	296_09:58:30
296_09:54:48	1	DFMS	Flight sequence	ARNS081B	0	0	10	296_09:54:58
296_09:54:58	0	DFMS	Mode	1	0	0	120	296_09:56:58
MWNV: 10:00 => 11:00								
296_11:00:00	1	DFMS	Mode	222	0	12	34260	296_20:31:00
296_11:01:00	1	RTOF	Mode	521	15	9	34100	296_20:29:20
296_20:29:20	0	RTOF	Mode	521	8	0	1940	296_21:01:40
296_20:31:00	0	DFMS	Mode	572	0	3	5120	296_21:56:20
296_21:56:20	0	DFMS	Flight sequence	ARNS081B	0	0	10	296_21:56:30
296_21:56:30	0	DFMS	Mode	1	0	0	120	296_21:58:30

MWNV: 22:00 => 23:00

296_23:00:00	1	DFMS	Mode	222	11	0	31680	297_07:48:00
296_23:01:00	1	RTOF	Mode	521	15	10	37510	297_09:26:10
297_07:48:00	0	DFMS	Mode	1052	7	0	7424	297_09:51:44
297_09:26:10	0	RTOF	Mode	521	3	0	890	297_09:41:00
297_09:51:44	0	DFMS	Flight sequence	ARNS081B	0	0	10	297_09:51:54
297_09:51:54	0	DFMS	Mode	1	0	0	120	297_09:53:54

STP025

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
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MWOL: 10:00 => 11:30 (VSTP: 44 - SDP Arc #1)

297_11:30:00	1	COPS	Mode	336	1	0	60	297_11:31:00
297_11:31:00	1	DFMS	Mode	220	0	6	9078	297_14:02:18
297_12:00:00	1	RTOF	Mode	521	15	8	30690	297_20:31:30
297_20:31:30	0	RTOF	Mode	181	2	0	740	297_20:43:50
297_20:43:50	0	RTOF	Mode	1	0	0	240	297_20:47:50
297_20:47:50	0	RTOF	Mode	523	0	0	930	297_21:03:20
297_14:02:18	0	DFMS	Mode	222	0	3	10320	297_16:54:18
297_16:54:18	0	DFMS	Mode	1052	0	9	9280	297_19:28:58
297_19:28:58	0	DFMS	Mode	572	0	3	5120	297_20:54:18
297_20:54:18	0	DFMS	Sequence	45	0	0	752	297_21:06:50
297_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	297_21:55:10
297_21:55:10	0	DFMS	Mode	1	0	0	120	297_21:57:10

MWNV: 22:00 => 23:00

297_23:00:00	1	DFMS	Mode	220	0	15	19824	298_04:30:24
297_23:30:00	1	RTOF	Mode	523	15	6	23870	298_06:07:50
298_04:30:24	0	DFMS	Mode	222	0	2	7740	298_06:39:24
298_06:07:50	0	RTOF	Mode	183	2	0	740	298_06:20:10
298_06:39:24	0	DFMS	Mode	1052	0	0	928	298_06:54:52
298_07:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	298_07:14:00
298_07:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	298_07:16:05
298_07:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	298_07:18:05

298_07:18:05	0	COPS	Flight sequence	ARNF011A	0	0	210	298_07:21:35
MOCM: 07:25 => 12:15 (Manoeuvre: SDP-SLOT-1)								
298_12:15:00	1	COPS	Flight sequence	ARNF015A	0	0	120	298_12:17:00
298_12:17:00	0	COPS	Mode	336	1	0	60	298_12:18:00
298_12:18:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	298_12:20:00
298_12:20:00	0	DFMS	Mode	220	0	6	9078	298_14:51:18
298_12:21:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	298_12:25:00
298_12:25:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	298_12:26:00
298_12:45:00	1	RTOF	Mode	521	15	7	28000	298_20:31:40
298_14:51:18	0	DFMS	Mode	222	0	3	10320	298_17:43:18
298_17:43:18	0	DFMS	Mode	1052	0	8	8352	298_20:02:30
298_20:02:30	0	DFMS	Mode	572	0	3	5120	298_21:27:50
298_20:31:40	0	RTOF	Mode	181	2	0	740	298_20:44:00
298_20:44:00	0	RTOF	Mode	1	0	0	240	298_20:48:00
298_20:48:00	0	RTOF	Mode	523	0	0	930	298_21:03:30
298_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	298_21:55:10
298_21:55:10	0	DFMS	Mode	1	0	0	120	298_21:57:10
MWNV: 22:00 => 23:00								
298_23:00:00	1	DFMS	Mode	220	0	7	10272	299_01:51:12
298_23:30:00	1	RTOF	Mode	523	15	9	34100	299_08:58:20
299_01:51:12	0	DFMS	Mode	222	0	3	10320	299_04:43:12
299_04:43:12	0	DFMS	Mode	1052	0	10	10208	299_07:33:20
299_07:33:20	0	DFMS	Mode	572	0	4	6400	299_09:20:00
299_08:58:20	0	RTOF	Mode	1	0	0	240	299_09:02:20
299_09:02:20	0	RTOF	Mode	504	0	0	810	299_09:15:50
299_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	299_09:55:10
299_09:55:10	0	DFMS	Mode	1	0	0	120	299_09:57:10
MWNV: 10:00 => 11:00								
299_11:00:00	1	COPS	Mode	336	1	0	60	299_11:01:00
299_11:01:00	1	DFMS	Mode	220	0	7	10272	299_13:52:12
299_11:30:00	1	RTOF	Mode	504	15	5	20460	299_17:11:00
299_13:52:12	0	DFMS	Mode	222	0	3	10320	299_16:44:12
299_16:44:12	0	DFMS	Mode	1052	0	10	10208	299_19:34:20
299_17:11:00	0	RTOF	Mode	510	15	3	13640	299_20:58:20
299_19:34:20	0	DFMS	Mode	572	0	4	6400	299_21:21:00

299_20:58:20	0	RTOF	Mode	1	0	0	240	299_21:02:20
299_21:02:20	0	RTOF	Mode	521	0	0	930	299_21:17:50
299_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	299_21:55:10
299_21:55:10	0	DFMS	Mode	1	0	0	120	299_21:57:10

MWNV: 22:00 => 23:00

299_23:00:00	1	COPS	Mode	336	1	0	60	299_23:01:00
299_23:01:00	1	DFMS	Mode	220	0	7	10272	300_01:52:12
299_23:02:00	1	RTOF	Mode	521	15	8	30690	300_07:33:30
300_01:52:12	0	DFMS	Mode	222	0	3	10320	300_04:44:12
300_04:44:12	0	DFMS	Mode	1052	0	10	10208	300_07:34:20
300_07:33:30	0	RTOF	Mode	1	0	0	240	300_07:37:30
300_07:34:20	0	DFMS	Mode	572	0	4	6400	300_09:21:00
300_07:37:30	0	RTOF	Mode	523	0	0	930	300_07:53:00
300_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	300_09:55:10
300_09:55:10	0	DFMS	Mode	1	0	0	120	300_09:57:10

MWOL: 10:00 => 11:30 (VSTP: 45 - SDP Arc #2)

300_11:30:00	1	DFMS	Mode	220	0	7	10272	300_14:21:12
300_12:00:00	1	RTOF	Mode	523	15	8	30690	300_20:31:30
300_14:21:12	0	DFMS	Mode	222	0	3	10320	300_17:13:12
300_17:13:12	0	DFMS	Mode	1052	0	10	10208	300_20:03:20
300_20:03:20	0	DFMS	Mode	572	0	3	5120	300_21:28:40
300_20:31:30	0	RTOF	Mode	1	0	0	240	300_20:35:30
300_20:35:30	0	RTOF	Mode	504	0	0	810	300_20:49:00
300_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	300_21:55:10
300_21:55:10	0	DFMS	Mode	1	0	0	120	300_21:57:10

MWNV: 22:00 => 23:00

300_23:00:00	1	COPS	Mode	336	1	0	60	300_23:01:00
300_23:01:00	1	DFMS	Mode	220	0	8	11466	301_02:12:06
300_23:30:00	1	RTOF	Mode	504	15	5	20460	301_05:11:00
301_02:12:06	0	DFMS	Mode	222	0	4	12900	301_05:47:06
301_05:47:06	0	DFMS	Mode	1052	0	8	8352	301_08:06:18
301_08:06:18	0	DFMS	Mode	572	0	7	10240	301_10:56:58
301_05:11:00	0	RTOF	Mode	510	15	5	20460	301_10:52:00
301_11:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	301_11:14:00
301_11:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	301_11:16:05

301_11:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	301_11:18:05
301_11:18:05	0	COPS	Flight sequence	ARNF011A	0	0	210	301_11:21:35
MOCM: 11:25 => 14:35 (Manoeuvre: SDP-1)								
301_14:35:00	1	COPS	Flight sequence	ARNF015A	0	0	120	301_14:37:00
301_14:37:00	0	COPS	Mode	336	1	0	60	301_14:38:00
301_14:38:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	301_14:40:00
301_14:40:00	0	DFMS	Mode	220	0	4	6690	301_16:31:30
301_14:41:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	301_14:45:00
301_14:45:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	301_14:46:00
301_14:46:00	0	RTOF	Mode	521	15	4	17770	301_19:42:10
301_16:31:30	0	DFMS	Mode	222	0	2	7740	301_18:40:30
301_18:40:30	0	DFMS	Mode	1052	0	3	3712	301_19:42:22
301_19:42:22	0	DFMS	Mode	572	0	4	6400	301_21:29:02
301_19:42:10	0	RTOF	Mode	511	15	0	3430	301_20:39:20
301_20:39:20	0	RTOF	Mode	1	0	0	240	301_20:43:20
301_20:43:20	0	RTOF	Mode	523	0	0	930	301_20:58:50
301_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	301_21:55:10
301_21:55:10	0	DFMS	Mode	1	0	0	120	301_21:57:10
MWNV: 22:00 => 23:00								
301_23:00:00	1	DFMS	Mode	220	0	7	10272	302_01:51:12
301_23:30:00	1	RTOF	Mode	523	15	9	34100	302_08:58:20
302_01:51:12	0	DFMS	Mode	222	0	3	10320	302_04:43:12
302_04:43:12	0	DFMS	Mode	1052	0	10	10208	302_07:33:20
302_07:33:20	0	DFMS	Mode	572	0	4	6400	302_09:20:00
302_08:58:20	0	RTOF	Mode	1	0	0	240	302_09:02:20
302_09:02:20	0	RTOF	Mode	504	0	0	810	302_09:15:50
302_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	302_09:55:10
302_09:55:10	0	DFMS	Mode	1	0	0	120	302_09:57:10
MWNV: 10:00 => 11:00								
302_11:00:00	1	COPS	Mode	336	1	0	60	302_11:01:00
302_11:01:00	1	DFMS	Mode	220	0	7	10272	302_13:52:12
302_11:30:00	1	RTOF	Mode	504	15	5	20460	302_17:11:00
302_13:52:12	0	DFMS	Mode	222	0	3	10320	302_16:44:12
302_16:44:12	0	DFMS	Mode	1052	0	10	10208	302_19:34:20
302_17:11:00	0	RTOF	Mode	510	15	3	13640	302_20:58:20

302_19:34:20	0	DFMS	Mode	572	0	4	6400	302_21:21:00
302_20:58:20	0	RTOF	Mode	1	0	0	240	302_21:02:20
302_21:02:20	0	RTOF	Mode	521	0	0	930	302_21:17:50
302_21:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	302_21:55:10
302_21:55:10	0	DFMS	Mode	1	0	0	120	302_21:57:10

MWNV: 22:00 => 23:00

302_23:00:00	1	DFMS	Mode	220	0	7	10272	303_01:51:12
302_23:30:00	1	RTOF	Mode	521	15	9	34100	303_08:58:20
303_01:51:12	0	DFMS	Mode	222	0	3	10320	303_04:43:12
303_04:43:12	0	DFMS	Mode	1052	0	10	10208	303_07:33:20
303_07:33:20	0	DFMS	Mode	572	0	4	6400	303_09:20:00
303_09:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	303_09:55:10
303_09:55:10	0	DFMS	Mode	1	0	0	120	303_09:57:10

MWOL: 10:00 => 11:30 (VSTP: 46 - SDP Arc #3)

STP026

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
303_11:30:00	1	COPS	Mode	336	1	0	60	303_11:31:00
303_11:31:00	1	DFMS	Mode	220	0	4	6690	303_13:22:30
303_12:01:00	Update mode 521 and mode 523 with 400s integration							
303_12:02:00	1	RTOF	Mode	521	7	10	37510	303_22:26:10
303_13:22:30	0	DFMS	Mode	222	0	10	28380	303_21:15:30
303_21:15:30	0	DFMS	Mode	215	0	7	7032	303_23:12:42
303_22:26:10	0	RTOF	Mode	521	7	0	3410	303_23:23:00
303_23:12:42	0	DFMS	Mode	205	0	2	2592	303_23:55:54
303_23:23:00	0	RTOF	Mode	521	5	0	2360	304_00:02:20
304_00:02:20	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	304_00:06:20
304_00:06:20	0	DFMS	Flight sequence	ARNF014B	0	0	125	304_00:08:25
304_00:08:25	0	RTOF	Flight sequence	ARNF014A	0	0	120	304_00:10:25
304_00:10:25	0	COPS	Flight sequence	ARNF011A	0	0	210	304_00:13:55
00:25 - 03:35 => MOCM Manoeuvre:								
304_03:35:00	1	COPS	Flight sequence	ARNF015A	0	0	120	304_03:37:00
304_03:37:00	0	COPS	Mode	336	1	0	60	304_03:38:00

304_03:38:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	304_03:40:00
304_03:40:00	0	DFMS	Mode	222	0	7	21360	304_09:36:00
304_03:42:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	304_03:45:00
304_03:45:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	304_03:46:00
304_03:46:00	Update mode 521 and mode 523 with 400s integration (security)							
304_03:47:00	0	RTOF	Mode	521	7	5	21180	304_09:39:00
304_09:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	304_09:57:10
304_09:57:10	0	DFMS	Mode	1	0	0	120	304_09:59:10
10:00 - 11:00 => MWNV								
304_11:00:00	1	DFMS	Mode	222	0	14	39420	304_21:57:00
304_11:30:00	1	RTOF	Mode	521	7	10	37510	304_21:55:10
304_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	304_21:57:10
304_21:57:10	0	DFMS	Mode	1	0	0	120	304_21:59:10
22:00 - 23:00 => MWNV								
304_23:00:00	1	DFMS	Mode	222	0	14	39420	305_09:57:00
304_23:30:00	1	RTOF	Mode	521	7	10	37510	305_09:55:10
305_09:55:10	0	RTOF	Mode	1	0	0	240	305_09:59:10
305_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	305_09:57:10
305_09:57:10	0	DFMS	Mode	1	0	0	120	305_09:59:10
10:00 - 11:00 => MWNV								
305_11:00:00	1	DFMS	Mode	1052	0	5	6288	305_12:44:48
305_11:20:00	1	RTOF	Mode	523	7	10	38180	305_21:56:20
305_12:44:48	0	DFMS	Mode	572	0	5	7680	305_14:52:48
305_14:52:48	0	DFMS	Mode	222	0	8	23220	305_21:19:48
305_21:19:48	0	DFMS	Mode	220	0	0	1194	305_21:39:42
305_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	305_21:57:10
305_21:57:10	0	DFMS	Mode	1	0	0	120	305_21:59:10
22:00 - 23:00 => MWNV								
305_23:00:00	1	DFMS	Mode	222	0	14	39420	306_09:57:00
305_23:30:00	1	RTOF	Mode	523	7	9	34100	306_08:58:20
306_08:58:20	0	RTOF	Mode	1	0	0	240	306_09:02:20
306_09:02:20	0	RTOF	Mode	521	0	0	930	306_09:17:50
306_09:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	306_09:57:10
306_09:57:10	0	DFMS	Mode	1	0	0	120	306_09:59:10
10:00 - 11:00 => MWNV								

306_11:30:00	1	DFMS	Mode	222	0	10	29100	306_19:35:00
306_12:00:00	1	RTOF	Mode	521	7	9	34100	306_21:28:20
306_19:35:00	0	DFMS	Mode	220	0	5	7164	306_21:34:24
306_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	306_21:57:10
306_21:57:10	0	DFMS	Mode	1	0	0	120	306_21:59:10

22:00 - 23:00 => MWNV

306_23:00:00	1	DFMS	Mode	1052	0	5	6288	307_00:44:48
306_23:30:00	1	RTOF	Mode	521	7	6	23870	307_06:07:50
307_00:44:48	0	DFMS	Mode	222	0	7	20640	307_06:28:48
307_06:07:50	0	RTOF	Mode	1	0	0	240	307_06:11:50
307_06:11:50	0	RTOF	Mode	523	6	0	3450	307_07:09:20
307_07:09:20	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	307_07:13:20
307_07:13:20	0	DFMS	Flight sequence	ARNF014B	0	0	125	307_07:15:25
307_07:15:25	0	RTOF	Flight sequence	ARNF014A	0	0	120	307_07:17:25
307_07:17:25	0	COPS	Flight sequence	ARNF011A	0	0	210	307_07:20:55

07:25 - 12:15 => MOCM Manoeuvre: CAT-CHANGE-6

307_12:15:00	1	COPS	Flight sequence	ARNF015A	0	0	120	307_12:17:00
307_12:17:00	0	COPS	Mode	336	1	0	60	307_12:18:00
307_12:18:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	307_12:20:00
307_12:20:00	0	DFMS	Mode	222	0	12	34260	307_21:51:00
307_12:21:00	ARNF004A without cover movement							
307_12:21:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	307_12:25:00
307_12:25:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	307_12:26:00
307_12:45:00	1	RTOF	Mode	523	7	8	31410	307_21:28:30
307_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	307_21:57:10
307_21:57:10	0	DFMS	Mode	1	0	0	120	307_21:59:10

22:00 - 23:00 => MWNV

307_23:00:00	1	DFMS	Mode	222	0	14	39420	308_09:57:00
307_23:30:00	1	RTOF	Mode	523	7	10	37510	308_09:55:10
308_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	308_09:57:10
308_09:57:10	0	DFMS	Mode	1	0	0	120	308_09:59:10
308_11:00:00	1	DFMS	Mode	572	0	6	9680	308_13:41:20
308_11:30:00	1	RTOF	Mode	523	7	9	34100	308_20:58:20
308_13:41:20	0	DFMS	Mode	222	0	10	28380	308_21:34:20
308_20:58:20	0	RTOF	Mode	1	0	0	240	308_21:02:20

308_21:02:20	0	RTOF	Mode	521	0	0	930	308_21:17:50
308_21:57:20	1	DFMS	Flight sequence	ARNS081B	0	0	10	308_21:57:30
308_21:57:30	0	DFMS	Mode	1	0	0	120	308_21:59:30

22:00 - 23:00 => MWNV

308_23:00:00	1	DFMS	Mode	215	0	9	9240	309_01:34:00
308_23:29:00	Update mode 521 amd mode 523 with 200s integration							
308_23:30:00	1	RTOF	Mode	521	15	9	34100	309_08:58:20
309_01:34:00	0	DFMS	Mode	222	0	10	28500	309_09:43:24
309_09:29:00	1	DFMS	Mode	9000	0	0	510	309_09:37:30
309_09:43:24	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	309_09:47:24
309_09:47:24	0	DFMS	Flight sequence	ARNF014B	0	0	125	309_09:49:29
309_09:49:29	0	RTOF	Flight sequence	ARNF014A	0	0	120	309_09:51:29
309_09:51:29	0	COPS	Flight sequence	ARNF011A	0	0	210	309_09:54:59

10:00 - 14:50 => MOCM Manoeuvre: SDP-SLOT-7-DAY

STP027

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
10:00 - 14:50 => MOCM Manoeuvre: SDP-SLOT-7-DAY								
309_14:51:00	1	COPS	Flight sequence	ARNF015A	0	0	120	309_14:53:00
309_14:53:00	0	COPS	Mode	336	1	0	60	309_14:54:00
309_14:54:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	309_14:56:00
309_14:56:00	0	DFMS	Mode	222	0	8	24840	309_21:50:00
309_14:57:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	309_15:01:00
309_15:01:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	309_15:02:00
309_15:02:00	Update mode 521 and mode 523 with 400s integration							
309_15:03:00	Change RTOF OS table - M523 (permanently) with optimized settings from table on the right							
309_15:06:00	1	RTOF	Flight sequence	ARNS061A	12	0	120	309_15:08:00
309_15:25:00	1	RTOF	Flight sequence	ARNS061A	14	0	120	309_15:12:00
309_15:43:00	1	RTOF	Mode	523	15	2	20500	309_21:24:40
309_21:24:40	0	RTOF	Mode	523	4	0	2100	309_21:59:40
309_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	309_21:57:10
309_21:57:10	0	DFMS	Mode	1	0	0	120	309_21:59:10

22:00 - 23:00 => MWNV

309_23:00:00	1	DFMS	Mode	222	0	14	39420	310_09:57:00
309_23:31:00	1	RTOF	Mode	523	15	4	33050	310_08:41:50
310_08:41:50	0	RTOF	Mode	523	10	0	4560	310_09:57:50
310_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	310_09:57:10
310_09:57:10	0	DFMS	Mode	1	0	0	120	310_09:59:10
10:00 - 11:00 => MWNV								
310_11:00:00	1	DFMS	Mode	222	0	14	39420	310_21:57:00
310_11:02:00	1	COPS	Mode	336	1	0	60	310_11:03:00
310_11:31:00	1	RTOF	Mode	523	15	4	33050	310_20:41:50
310_20:41:50	0	RTOF	Mode	523	10	0	4560	310_21:57:50
310_21:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	310_21:57:10
310_21:57:10	0	DFMS	Mode	1	0	0	120	310_21:59:10
22:00 - 23:00 => MWNV								
310_23:00:00	1	DFMS	Mode	222	0	14	39420	311_09:57:00
310_23:31:00	1	RTOF	Mode	523	15	4	33050	311_08:41:50
311_08:41:50	0	RTOF	Mode	523	10	0	4560	311_09:57:50
311_09:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	311_09:57:10
311_09:57:10	0	DFMS	Mode	1	0	0	120	311_09:59:10
10:00 - 11:30 => MWOL								
311_11:30:00	1	DFMS	Mode	222	0	13	36840	311_21:44:00
311_11:32:00	1	COPS	Mode	336	1	0	60	311_11:33:00
311_12:01:00	1	RTOF	Mode	523	15	4	33050	311_21:11:50
311_21:11:50	0	RTOF	Mode	523	5	0	2510	311_21:53:40
311_21:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	311_21:57:10
311_21:57:10	0	DFMS	Mode	1	0	0	120	311_21:59:10
22:00 - 23:00 => MWNV								
311_23:00:00	1	DFMS	Mode	222	0	16	44580	312_11:23:00
311_23:31:00	1	RTOF	Mode	523	15	5	39660	312_10:32:00
312_10:32:00	0	RTOF	Mode	523	11	0	4970	312_11:54:50
312_11:23:00	0	DFMS	Mode	220	0	0	1194	312_11:42:54
312_11:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	312_11:57:10
312_11:57:10	0	DFMS	Mode	1	0	0	120	312_11:59:10
12:00 - 13:00 => MWNV								
312_13:00:00	1	DFMS	Mode	1052	0	5	6288	312_14:44:48
312_13:02:00	1	COPS	Mode	336	1	0	60	312_13:03:00

312_13:31:00	1	RTOF	Mode	523	15	4	33050	312_22:41:50
312_14:44:48	0	DFMS	Mode	222	0	11	30960	312_23:20:48
312_22:41:50	0	RTOF	Mode	523	7	0	3330	312_23:37:20
312_23:45:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	312_23:49:00
312_23:49:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	312_23:51:05
312_23:51:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	312_23:53:05
312_23:53:05	0	COPS	Flight sequence	ARNF011A	0	0	210	312_23:56:35

00:00 - 04:50 => MOCM Manoeuvre: SDP-SLOT-3-DAY

313_04:51:00	1	COPS	Flight sequence	ARNF015A	0	0	120	313_04:53:00
313_04:53:00	0	COPS	Mode	336	1	0	60	313_04:54:00
313_04:54:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	313_04:56:00
313_04:56:00	0	DFMS	Mode	222	0	8	23940	313_11:35:00
313_04:57:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	313_05:01:00
313_05:01:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	313_05:02:00
313_05:03:00	Update mode 521 and mode 523 with 400s integration (security)							
313_05:35:00	1	RTOF	Mode	523	15	2	20550	313_11:17:30
313_11:17:30	0	RTOF	Mode	523	5	0	2510	313_11:59:20
313_11:57:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	313_11:57:10
313_11:57:10	0	DFMS	Mode	1	0	0	120	313_11:59:10

12:00 - 13:00 => MWNV

313_13:00:00	1	DFMS	Mode	222	0	14	39420	313_23:57:00
313_13:31:00	1	RTOF	Mode	523	15	4	33050	313_22:41:50
313_22:41:50	0	RTOF	Mode	523	10	0	4560	313_23:57:50
313_23:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	313_23:57:10
313_23:57:10	0	DFMS	Mode	1	0	0	120	313_23:59:10

00:00 - 01:00 => MWNV

314_01:00:00	1	DFMS	Mode	222	0	14	39420	314_11:57:00
314_01:02:00	1	COPS	Mode	336	1	0	60	314_01:03:00
314_01:31:00	1	RTOF	Mode	523	15	4	33050	314_10:41:50
314_10:41:50	0	RTOF	Mode	523	10	0	4560	314_11:57:50
314_11:57:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	314_11:57:10
314_11:57:10	0	DFMS	Mode	1	0	0	120	314_11:59:10

12:00 - 13:00 => MWNV

314_13:00:00	1	DFMS	Mode	222	0	13	36840	314_23:14:00
314_13:31:00	1	RTOF	Mode	523	15	4	33050	314_22:41:50

314_22:41:50	0	RTOF	Mode	523	5	0	2510	314_23:23:40
314_23:14:00	0	DFMS	Mode	220	0	0	1194	314_23:33:54
314_23:23:40	0	RTOF	Mode	183	4	0	1160	314_23:43:00
314_23:37:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	314_23:37:10
314_23:38:00	1	DFMS	Mode	157	0	0	368	314_23:44:08
314_23:45:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	314_23:49:00
314_23:49:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	314_23:51:05
314_23:51:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	314_23:53:05
314_23:53:05	0	COPS	Flight sequence	ARNF011A	0	0	210	314_23:56:35

00:00 - 04:50 => MOCM Manoeuvre: SDP-SLOT-1-DAY

M523	P_OS [V]	BP_OS [V]	Gr_OS [V]	ELA_OS [V]	ELB_OS [V]	E2_OS [V]	A1_OS [V]	A2_OS [V]	SL_OS [V]	R1 [V]	R2 [V]	RL [V]
	-69.9	-5.1	-4.3	-12.7	-12.3	-10.5	-220.6	-537.9	-1820	-15.6	-413.9	-1633.2

STP028

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MOCM: 00:00 => 04:50 (VSTP: 51 - SDP Arc #7, Manoeuvre: SDP-SLOT-1-DAY)								
315_04:50:00	1	COPS	Flight sequence	ARNF015A	0	0	120	315_04:52:00
315_04:52:00	0	COPS	Mode	332	1	0	60	315_04:53:00
MWNV: 14:00 => 15:00								
315_15:00:00	1	COPS	Mode	332	1	0	60	315_15:01:00
316_03:47:00	1	COPS	Mode	0	0	0	150	316_03:49:30
MOCM: 04:00 => 07:00 (VSTP: 52 - SDP Delivery, Manoeuvre: SDP-PREDELIVERY, SDP-SEPARATION)								
316_07:00:00	1	COPS	Flight sequence	ARNF015A	0	0	120	316_07:02:00
316_07:02:00	0	COPS	Mode	332	1	0	60	316_07:03:00
316_07:03:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	316_07:05:00
316_07:05:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	316_07:09:00
316_07:09:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	316_07:10:00
316_07:56:00	1	COPS	Mode	0	0	0	150	316_07:58:30
MOCM: 08:35 => 10:18:30 (SDP Delivery, Manoeuvre: SDP-POSTDELIVERY)								

316_10:18:30	1	COPS	Mode	332	1	0	60	316_10:19:30
316_10:20:00	1	DFMS	Mode	502	0	17	24160	316_17:02:40
316_10:21:00	1	RTOF	Mode	523	15	2	20500	316_16:02:40
316_16:02:40	0	RTOF	Mode	523	13	0	5790	316_17:39:10
316_17:02:40	0	DFMS	Mode	220	0	0	1194	316_17:22:34
316_17:30:10	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	316_17:34:10
316_17:34:10	0	DFMS	Flight sequence	ARNF014B	0	0	125	316_17:36:15
316_17:36:15	0	RTOF	Flight sequence	ARNF014A	0	0	120	316_17:38:15
316_17:38:15	0	COPS	Flight sequence	ARNF011A	0	0	210	316_17:41:45
316_17:41:45	0	ROSINA	Flight sequence	ARNF051A	0	0	60	316_17:42:45

MOCM: 17:55 => 21:05 (VSTP: 53 - RP Arc #1, Manoeuvre: RP-1)

MWNV: 06:05 => 07:05

317_07:05:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	317_07:07:00
317_07:07:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	317_07:10:40
317_07:10:40	0	COPS	Flight sequence	ARNF015A	0	0	120	317_07:12:40
317_07:12:40	0	COPS	Mode	336	1	0	60	317_07:13:40
317_07:13:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	317_07:15:40
317_07:15:40	0	DFMS	Sequence	22	0	5	30564	317_15:45:04
317_07:29:30	-	RTOF	include by manual command that RTOF spectra are acquired during 400 sec; default: 200 sec					
317_07:30:00	1	RTOF	Flight sequence	ARNF004A	0	0	240	317_07:34:00
317_07:34:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	317_07:35:00
317_07:35:00	0	RTOF	Mode	523	15	3	27160	317_15:07:40
317_15:07:40	0	RTOF	Mode	1	0	0	240	317_15:11:40
317_15:11:40	0	RTOF	Mode	521	0	0	1130	317_15:30:30
317_16:10:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	317_16:10:10
317_16:10:10	0	DFMS	Mode	1	0	0	120	317_16:12:10

MWNV: 16:14 => 17:14

317_17:14:00	1	DFMS	Sequence	22	0	6	35538	318_03:06:18
317_17:45:00	1	RTOF	Mode	521	15	0	6610	317_19:35:10
317_19:35:10	0	RTOF	Mode	181	2	0	740	317_19:47:30
317_19:47:30	0	RTOF	Mode	511	4	0	1120	317_20:06:10
317_20:06:10	0	RTOF	Mode	1	0	0	240	317_20:10:10
317_20:11:00	1	RTOF	Mode	231	1	0	760	317_20:23:40
317_20:23:40	0	RTOF	Mode	1	0	0	240	317_20:27:40
317_20:28:40	1	RTOF	Mode	251	1	0	760	317_20:41:20

317_20:41:20	0	RTOF	Mode	1	0	0	240	317_20:45:20
317_20:46:20	1	RTOF	Mode	523	15	2	20500	318_02:28:00
318_02:28:00	0	RTOF	Mode	523	13	0	5790	318_04:04:30
318_03:06:18	0	DFMS	Mode	220	0	2	3582	318_04:06:00
318_04:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	318_04:14:00
318_04:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	318_04:16:05
318_04:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	318_04:18:05
318_04:18:05	0	COPS	Flight sequence	ARNF011A	0	0	210	318_04:21:35

MOCM: 04:25 => 09:15 (VSTP: 54 - RP Arc #2, Manoeuvre: RP-2)

318_09:15:00	1	COPS	Flight sequence	ARNF015A	0	0	120	318_09:17:00
318_09:17:00	0	COPS	Mode	336	1	0	60	318_09:18:00
318_09:18:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	318_09:20:00
318_09:20:00	0	DFMS	Sequence	22	0	3	20616	318_15:03:36
318_09:21:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	318_09:25:00
318_09:25:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	318_09:26:00
318_09:56:00	1	RTOF	Mode	523	15	1	13940	318_13:48:20
318_13:48:20	0	RTOF	Mode	183	2	0	740	318_14:00:40
318_14:01:40	1	RTOF	Mode	1	0	0	240	318_14:05:40
318_14:05:40	0	RTOF	Mode	223	1	0	760	318_14:18:20
318_14:18:20	0	RTOF	Mode	1	0	0	240	318_14:22:20
318_14:23:20	1	RTOF	Mode	253	1	0	760	318_14:36:00
318_14:36:00	0	RTOF	Mode	1	0	0	240	318_14:40:00
318_14:40:00	0	RTOF	Mode	523	10	0	5230	318_16:07:10
318_15:25:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	318_15:25:10
318_15:25:10	0	DFMS	Sequence	16	0	0	1930	318_15:57:20
318_16:22:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	318_16:22:10
318_16:22:10	0	DFMS	Mode	1	0	0	120	318_16:24:10

MWNV: 16:25 => 17:25

318_17:25:00	1	COPS	Mode	336	1	0	60	318_17:26:00
318_17:26:00	1	DFMS	Sequence	22	0	3	20616	318_23:09:36
318_17:55:00	1	RTOF	Mode	523	15	4	33050	319_03:05:50
318_23:09:36	0	DFMS	Flight sequence	ARNS081B	0	0	10	318_23:09:46
318_23:09:46	0	COPS	Flight sequence	ARNF016A	0	0	60	318_23:10:46
318_23:10:46	0	DFMS	Mode	600	0	0	4600	319_00:27:26
319_00:27:26	0	DFMS	Mode	601	0	0	4600	319_01:44:06

319_01:44:06	0	DFMS	Mode	602	0	0	4600	319_03:00:46
319_03:01:46	1	COPS	Flight sequence	ARNF016B	0	0	60	319_03:02:46
319_03:02:46	0	DFMS	Mode	220	0	3	4776	319_04:22:22
319_03:05:50	0	RTOF	Mode	523	8	0	3740	319_04:08:10
319_04:22:22	0	DFMS	Flight sequence	ARNS081B	0	0	10	319_04:22:32
319_04:22:32	0	DFMS	Mode	1	0	0	120	319_04:24:32

MWNV: 04:25 => 05:25

319_05:25:00	1	COPS	Mode	336	1	0	60	319_05:26:00
319_05:26:00	1	DFMS	Sequence	22	0	6	35538	319_15:18:18
319_05:55:00	1	RTOF	Mode	523	15	4	33050	319_15:05:50
319_15:05:50	0	RTOF	Mode	523	9	0	4150	319_16:15:00
319_15:18:18	0	DFMS	Mode	220	0	2	3582	319_16:18:00
319_16:22:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	319_16:22:10
319_16:22:10	0	DFMS	Mode	1	0	0	120	319_16:24:10

MWNV: 16:25 => 17:25

319_17:25:00	1	DFMS	Sequence	22	0	6	35538	320_03:17:18
319_17:26:00	1	RTOF	Mode	523	15	4	33050	320_02:36:50
320_02:36:50	0	RTOF	Mode	523	9	0	4150	320_03:46:00
320_03:17:18	0	DFMS	Mode	220	0	1	2388	320_03:57:06
320_04:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	320_04:14:00
320_04:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	320_04:16:05
320_04:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	320_04:18:05
320_04:18:05	0	COPS	Flight sequence	ARNF011A	0	0	210	320_04:21:35

MOCM: 04:25 => 09:15 (VSTP: 55 - RP Arc #3, Manoeuvre: RP-3)

320_09:15:00	1	COPS	Flight sequence	ARNF015A	0	0	120	320_09:17:00
320_09:17:00	0	COPS	Mode	336	1	0	60	320_09:18:00
320_09:18:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	320_09:20:00
320_09:20:00	0	DFMS	Sequence	22	0	3	20616	320_15:03:36
320_09:21:00	0	RTOF	Flight sequence	ARNF004A	0	0	240	320_09:25:00
320_09:25:00	0	RTOF	Flight sequence	ARNS041A_RTOF	25	0	60	320_09:26:00
320_09:26:00	0	RTOF	Mode	523	0	0	1180	320_09:45:40
320_10:15:00	1	RTOF	Mode	523	15	2	19830	320_15:45:30
320_15:03:36	0	DFMS	Mode	220	0	2	3582	320_16:03:18
320_15:45:30	0	RTOF	Mode	523	2	0	1280	320_16:06:50
320_16:10:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	320_16:10:10

320_16:10:10	0	DFMS	Mode	1	0	0	120	320_16:12:10
MWNV: 16:14 => 17:14								
320_17:14:00	1	COPS	Mode	336	1	0	60	320_17:15:00
320_17:15:00	1	DFMS	Sequence	22	0	6	35538	321_03:07:18
320_17:45:00	1	RTOF	Mode	523	15	4	33050	321_02:55:50
321_03:07:18	0	DFMS	Mode	220	0	1	2388	321_03:47:06
321_02:55:50	0	RTOF	Mode	523	8	0	3740	321_03:58:10
321_03:59:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	321_03:59:10
321_03:59:10	0	DFMS	Mode	1	0	0	120	321_04:01:10
MWNV: 04:03 => 05:03								
321_05:03:00	1	DFMS	Sequence	22	0	6	35538	321_14:55:18
321_05:30:00	1	RTOF	Mode	523	15	4	33050	321_14:40:50
321_14:55:18	0	DFMS	Mode	220	0	1	2388	321_15:35:06
321_14:40:50	0	RTOF	Mode	523	8	0	3740	321_15:43:10
321_15:49:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	321_15:49:10
321_15:49:10	0	DFMS	Mode	1	0	0	120	321_15:51:10
MWNV: 15:53 => 16:53								
321_16:53:00	1	COPS	Mode	336	1	0	60	321_16:54:00
321_16:54:00	1	DFMS	Sequence	22	0	3	20616	321_22:37:36
321_17:25:00	1	RTOF	Mode	523	15	2	19830	321_22:55:30
321_22:37:36	0	DFMS	Mode	220	0	2	3582	321_23:37:18
321_22:55:30	0	RTOF	Mode	523	5	0	2510	321_23:37:20
321_23:42:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	321_23:42:10
321_23:42:10	0	DFMS	Mode	1	0	0	120	321_23:44:10
MWNV: 23:46 => 00:46								
322_00:46:00	1	DFMS	Sequence	22	0	6	35538	322_10:38:18
322_01:16:00	1	RTOF	Mode	523	15	4	33050	322_10:26:50
322_10:38:18	0	DFMS	Mode	220	0	1	2388	322_11:18:06
322_10:26:50	0	RTOF	Mode	523	8	0	3740	322_11:29:10
322_11:31:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	322_11:31:10
322_11:31:10	0	DFMS	Mode	1	0	0	120	322_11:33:10
MWNV: 11:35 => 12:35								
322_12:35:00	1	COPS	Mode	336	1	0	60	322_12:36:00
322_12:36:00	1	DFMS	Sequence	22	0	6	35538	322_22:28:18
322_13:06:00	1	RTOF	Mode	523	15	4	33050	322_22:16:50

322_22:28:18	0	DFMS	Mode	220	0	0	1194	322_22:48:12
322_22:16:50	0	RTOF	Mode	523	5	0	2510	322_22:58:40
322_23:10:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	322_23:14:00
322_23:14:00	0	DFMS	Flight sequence	ARNF014B	0	0	125	322_23:16:05
322_23:16:05	0	RTOF	Flight sequence	ARNF014A	0	0	120	322_23:18:05
322_23:18:05	0	COPS	Flight sequence	ARNF011A	0	0	210	322_23:21:35

MOCM: 23:25 => 02:35 (VSTP: 56 - EMP Terminator #1, Manoeuvre: EMP-1)