Mars Express Radio Science Experiment Science Operations Logbook - Commissioning

Deep Space Network (DSN) station For the performed new L1a&b 0006 Deep Space Network (DSN) station													
1 cruise 180 29.06.2003 TWOD-X 14:55 02:55 NNO performed new L02 0001 Datum 18.6. und and leading to the station also uplinking and for station also uplinking and for station also uplinking of the station also uplinking of the station also uplinking and for station also uplinking of the station also uplinking and for station also uplinking. Space are station also uplinking and for			of	date		time	time	•	• •	•	archived?	Volume_ld	remarks comments
1 cruise 180 29.06.2003 TWOD-X 14:55 02:55 NNO performed new L02 0001 Datum 18.6. und and learning to the station also uplinking and for station also uplinking and													Stimmt das Datum???
Cruise 180 29.06.2003 TWOD-X 14:55 02:55 NNO performed new L 1 a&b													
1 cruise 180 29.06.2003 TWOD-X 14:55 02:55 NNO											new I 1 a&h		Ŭ i
Stimmen die Zeiten???Tracking a New Norcia performed New Location New Norcia performed New Lo2 New Norcia (New Norcia (Institute of Norcia (Ins	- 1	cruise	180	29 06 2003	TWOD-X	14.55	02:55	NNO		nerformed		0001	
2 cruise 182 01.07.2003 TWOD-X 14:46:00 02:47:00 NNO performed new L02 0002 in the so called TWO Stimmen die Zeiten???Tracking a New Norcia performed new L02 0003 in the so called TWO Stimmen die Zeiten???Tracking a New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 new Norcia performed new L02 0003 new Norcia performed New Norcia performed new L1a & b 0004 43 (70 meter state) 43 (70 meter state) 0004 43 (70 meter state) 0005 000		Or GIOO	100	20.00.2000	TWODX	1 1.00	02.00	11110		portormou	11011 202	0001	
New Norcia performed New L 1 a&b, new L 2 New Norcia performed New L 1 a&b, new L 2 New Norcia performed New L 1 a&b, new L 2 New Norcia performed New L 1 a&b, new L 1 a&b													
2 cruise 182 01.07.2003 TWOD-X 14:46:00 02:47:00 NNO performed new L02 0002 in the so called TWO Stimmen die Zeiten???Tracking a New Norcia performed new L1 a&b new L 1 a&b New Norcia performed new L02 0003 in the so called TWO Zeiten???Tracking a New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L02 0003 in the so called TWO New Norcia performed new L1 a&b 0004 43 (70 meter statistic name of Norcia (only listening Space craft was not new L1 a&b 0004 Norcia (only listening pass New Norcia (only list											new I 1 a&h		
Stimmen die Zeiten???Tracking a NNO Performed New L 1 a&b New Norcia performed New Norcia performed New Norcia performed New L 1 a&b New Norcia performed New L 1 a&b New Norcia performed New L 1 a&b New Nor	2	cruise	182	01 07 2003	TWOD-X	14:46:00	02:47:00	NNO		performed	· · · · · · · · · · · · · · · · · · ·	0002	
Zeiten???Tracking a New Norcia performed new L1 a&b , new L02 0003 in the so called TWC (DSN) station DS also uplinking past of Cruise 191 10.07.2003 ONES 14:04 02:07 NNO performed new L1a&b 0006 SES 43 (70 meters and Name Norcia (on listening). Space Craft was and New Norcia (on listening). Space Craft was and New Norcia (on listening). Space Craft was and New Norcia (on listening). Space Craft was and Name Norcia (on listening). Space Craft was and Name Norcia (on listening). Space Craft was and New Norcia (on listening). Space Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (on listening). Space Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (on listening).	_	OI GIOO	102	01.07.2000	THODA	11.10.00	02.17.00	14140		portorino	HOW LOL	0002	
New Norcia performed New L1 a&b New Norcia performed New L													
3 cruise											new I 1 a&h		
Parallel tracking past Deep Space Network (DSN) station DSS	3	cruise	183	02 07 2003	TWOD-S	14.41	02:43	NNO		nerformed	The state of the s	0003	
Deep Space Network (DSN) station DS 43 (70 meter station also uplinking) and I Norcia (only listening Space craft was Space Vertex (DSN) station DS 43 (70 meter station also uplinking) and I Norcia (only listening Space craft was Deep Space Network (DSN) station Norcia (only listening Space craft was Deep Space Network (DSN) station DSN station also uplinking and New Norcia (only listening). Space Cruise 191 10.07.2003 ONES 12:50 23:45 DSS43 DSS43 Deep Space Network DSN station DSN station DSN station DSN station DSN station DSN station Space craft was Deep Space Network (DSN) station DSN station DS		Ol aloc	100	02.07.2000	10000	17.71	02.40	11110		perioritied	11011 202	0000	
4 cruise 187 06.07.2003 ONED 14:23 02:25 NNO performed new L1a & b 0004 43 (70 meter state also uplinking) and Norcia (only listening Space craft was one of the cruise 187 06.07.2003 ONED 14:40 22:40 DSS43 performed 0005 ONED mode that also uplinking pass one of the cruise 191 10.07.2003 ONES 14:04 02:07 NNO performed new L1a&b 0006 DSS 43 (70 meter state) also uplinking and Norcia (only listening pass one of the cruise 191 10.07.2003 ONES 14:04 02:07 NNO performed new L1a&b 0006 DSS 43 (70 meter state) also uplinking and Norcia (one of the cruise 191 10.07.2003 ONES 14:04 02:07 NNO performed new L1a&b 0006 DSS 43 (70 meter state) also uplinking and Norcia (one of the cruise 191 10.07.2003 ONES 12:50 23:45 DSS43 performed 0007 craft was in ONES Stimmen die Zeiten???Tracking also uplinking also uplinking also uplinking and Norcia (one of the cruise 191 10.07.2003 ONES 12:50 23:45 DSS43 performed 0007 craft was in ONES Stimmen die Zeiten???Tracking also uplinking also													ŭ.
4 cruise													
also uplinking) and Norcia (only listening) space craft was performed	4	cruise	187	06 07 2003	ONED	14.23	02:25	NNO		performed	new L1a & b	0004	
Norcia (only listening Space craft was 5 cruise 187 06.07.2003 ONED 14:40 22:40 DSS43 performed 0005 ONED mode that Parallel tracking pass Deep Space Network (DSN) station (DSN) station and New Norcia (only listening Space craft was 5 cruise 191 10.07.2003 ONES 14:04 02:07 NNO performed new L1a&b 0006 DSS 43 (70 mess station also uplinking and New Norcia (only listening). Space craft was in ONES 7 cruise 191 10.07.2003 ONES 12:50 23:45 DSS43 performed 0007 craft was in ONES Stimmen die Zeiten???Tracking as Stimmen die Zeiten???Tracking as Norcia (only listening Space craft was 5 cruise 191 10.07.2003 ONES 14:04 02:07 NNO performed new L1a&b 0006 DSS 43 (70 mess station also uplinking and New Norcia (only listening Space craft was in ONES 12:50 DSS43 Performed 0005 ONES 12:50 DSS43 Performed 0007 Craft was in ONES Stimmen die Zeiten???Tracking as 12:50 DSS43 Performed 0007 DSS 43 (70 mess station also uplinking and New Norcia (only listening Space craft was in ONES 12:50 DSS43 Performed 0007 Craft was in ONES 12:50 DSS43 Performed 0007 Craft was in ONES 12:50 DSS43 Performed 0007 DSS 43 (70 mess station also uplinking and New Norcia (only listening Norcia	•	0.0.00	107	00:07:2000	ONED	20	02.20	11110		portorritou		0001	
Space craft was Space craf													
5 cruise 187 06.07.2003 ONED 14:40 22:40 DSS43 performed 0005 ONED mode that 6 cruise 191 10.07.2003 ONES 14:04 02:07 NNO performed new L1a&b 0006 DSS 43 (70 me station also uplinkir and New Norcia (or listening). Space (or													
Parallel tracking pas Deep Space Network (DSN) station DSS 43 (70 me station also uplinking and New Norcia (or listening). Space Tracking pas Deep Space Network (DSN) station DSS 43 (70 me station also uplinking and New Norcia (or listening). Space Stimmen die Zeiten???Tracking and New Norcia (or listening).	5	cruise	187	06.07.2003	ONED	14:40	22:40	DSS43		performed		0005	
Deep Space Network (DSN) station Deep Space Net					• • • • • • • • • • • • • • • • • • • •					porrounce			Parallel tracking pass at
6 cruise 191 10.07.2003 ONES 14:04 02:07 NNO performed new L1a&b 0006 DSS 43 (70 me station also uplinking and New Norcia (or listening). Space of the cruise 191 10.07.2003 ONES 12:50 23:45 DSS43 performed 0007 craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening). Space of the cruise													
6 cruise 191 10.07.2003 ONES 14:04 02:07 NNO performed new L1a&b 0006 DSS 43 (70 me station also uplinking and New Norcia (or listening). Space of cruise 191 10.07.2003 ONES 12:50 23:45 DSS43 performed 0007 craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening). Space of Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening). Space of Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening). Space of Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening). Space of Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening). Space of Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening). Space of Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening). Space of Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening). Space of Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening). Space of Craft was in ONES Stimmen die Zeiten???Tracking and New Norcia (or Listening).													
7 cruise 191 10.07.2003 ONES 12:50 23:45 DSS43 performed 0007 craft was in ONES Stimmen die Zeiten???Tracking a	6	cruise	191	10.07.2003	ONES	14:04	02:07	NNO		performed	new L1a&b	0006	DSS 43 (70 meter
7 cruise 191 10.07.2003 ONES 12:50 23:45 DSS43 performed 0007 craft was in ONES Stimmen die Zeiten???Tracking a													station also uplinking)
7 cruise 191 10.07.2003 ONES 12:50 23:45 DSS43 performed 0007 craft was in ONES Stimmen die Zeiten???Tracking a													and New Norcia (only
7 cruise 191 10.07.2003 ONES 12:50 23:45 DSS43 performed 0007 craft was in ONES Stimmen die Zeiten???Tracking a													listening). Space
Stimmen die Zeiten???Tracking a	7	cruise	191	10.07.2003	ONES	12:50	23:45	DSS43		performed		0007	craft was in ONES-X
													Stimmen die
DSN at the Goldstor													Zeiten???Tracking at
2 5 1 W. 110 0.0100.01													DSN at the Goldstone
8 cruise 192 11.07.2003 TWOD-S 07:00 13:55 GDS performed 0008 complex in the TWC	8	cruise	192	11.07.2003	TWOD-S	07:00	13:55	GDS		performed		8000	complex in the TWOD-

white: planned task green: task completed yellow: task to be completed MaRS_oped_logienetion_orannistedhing_v10

Mars Express Radio Science Experiment Science Operations Logbook - Commissioning

	•											
	orbit number	day of year	date	MaRS activity	start time (UT)	stop time (UT)	ground station	target; coordinates	performed? Cancelled?	processed? archived? Volume-ID	Volume-ID	remarks comments
9	cruise	195	14.07.2003	TWOD-X	07:05	14:50	GDS		cancelled			spacecraft anomaly
10	cruise	200	19.07.2003	TWOD-X	07:05	14:00	GDS		performed		0009	
11	cruise	291	23.10.2003	ONED	06:40	15:37	NNO		performed	new L1a&b	0010	
12	cruise	291		ONED	08:20 ?	13:59	GDS		performed		0011	
13	cruise	292		TWOD-X			GDS		failed			ground station anomaly
14	orbit	021	21.01.2004	BSR			DSS43	nazonis Planitia	performed	Level1a and 1b	0012	
15	orbit	023	23.01.2004	TWOD-X	11:19	13:59	NNO		performed	processed to new Level1a and 1b, processed to new L02		no TM OFF due to S/C anomaly, The activity was planned with an X-band uplink
16												

white: planned task green: task completed yellow: task to be completed MaRS_oped_logienationaranistiching_v10