

INTEROFFICE MEMORANDUM

THIS UPDATE: December 22, 2003
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **November 2003**
 FILENAME: /data/MISR_Project/LM/0311_requests.fm

This is the November 2003 list of MISR Local Mode observations to be scheduled by the IOT team. Data acquisition times are based on the latest available GRNDTRCK7_* file, that of October 27, 2003. Rows proceeded with an * have field campaign in progress.

The first table included in this monthly request list shows the length of time for each type of event and the corresponding time offset. This means that the “GMT Start Time” in the main table truly reflects the start time of any event, there is no conversion from Local Mode start time for other types of activities. The type of event is flagged as a reminder of the offset from nadir that is build into the listed time. Cal_dark sequences are scheduled every other new moon, there is a Cal_dark sequence in November.

Table 1: Acquisition Times And Offsets

Operation	Table Abbreviation	Duration (minutes)	Before Nadir (in Table)	Comments
Local Mode	LM	7:35	3:47	
Cal_diode, sequence of 4	CD	2:08 each	4:42, first one	Warm up diodes for 5 minutes before starting Cal_Diode
Cal_dark	DK	6:10	---	Preferably 7 minutes before end of orbit
Cal_north	CN	7:11	---	Scheduled by IOT team before Cal_dark orbit
Cal_south	CS	8:10	---	Scheduled by IOT team before Cal_dark orbit

Table 2: November 2003 Requests

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_Diode		#089	Libya_1	187	71	November 01, 2003	20592	2003/305/09:46:10 (CD)	15.1
Cal_Diode		#166	Pacific_Temp	50	67	November 01, 2003	20598	2003/305/19:38:03 (CD)	149.0
L2-AS	*	#070	Houston	25	67	November 02, 2003	20611	2003/306/17:04:29 (LM)	45.3
L2-AS		#079	JPL	41	63	November 02, 2003	20612	2003/306/18:42:05 (LM)	20.2
L1B1		#091	London	201	49	November 03, 2003	20622	2003/307/11:06:11 (LM)	35.4
L1A		#140	Salar	233	107	November 03, 2003	20624	2003/307/14:43:47 (LM)	5.8
Cal_Diode		#109	MOBY_Buoy	64	74	November 03, 2003	20628	2003/307/21:07:04 (CD)	13.7
L2-AS		#012	TWP_Manus	96	92	November 04, 2003	20630	2003/308/00:32:07 (LM)	86.2
Cal_Diode		#002	Algeria_3	192	66	November 04, 2003	20636	2003/308/10:15:31 (CD)	40.0
L2-AS	*	#040	Chesapeake	14	61	November 05, 2003	20654	2003/309/15:54:34 (LM)	18.1
L1B1	*	#223	Carnarvon	94	111	November 06, 2003	20659	2003/310/00:26:10 (LM)	143.9
L1B1		#013	TWP_Nauru	85	91	November 06, 2003	20673	2003/310/23:23:42 (LM)	151.9
L1B1		#205	Plymouth	204	50	November 08, 2003	20695	2003/312/11:25:06 (LM)	44.4
Cal_Diode		#204	Egypt_1	179	69	November 09, 2003	20708	2003/313/08:56:16 (CD)	36.0
Cal_Diode		#003	Algeria_5	195	66	November 09, 2003	20709	2003/313/10:34:05 (CD)	49.3
L2-AS	*	#070	Houston	26	67	November 09, 2003	20713	2003/313/17:10:47 (LM)	105.4
L1B1		#012	TWP_Manus	97	92	November 11, 2003	20732	2003/315/00:38:26 (LM)	86.9

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Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#054	Egypt_Desert	177	73	November 11, 2003	20737	2003/315/08:46:07 (LM)	32.8
L2-AS	*	#040	Chesapeake	15	61	November 12, 2003	20756	2003/316/16:00:50 (LM)	156.6
L2-AS	*	#040	Chesapeake	13	61	November 14, 2003	20785	2003/318/15:48:45 (LM)	112.2
L1B1	*	#223	Carnarvon	93	111	November 15, 2003	20790	2003/319/00:20:20 (LM)	3.8
L2-AS		#013	TWP_Nauru	84	91	November 16, 2003	20804	2003/319/23:17:50 (LM)	10.8
Cal_Diode		#089	Libya_1	187	71	November 17, 2003	20825	2003/321/09:46:38 (CD)	6.2
Cal_Diode		#166	Pacific_Temp	50	67	November 17, 2003	20831	2003/321/19:38:30 (CD)	140.1
L2-AS	*	#070	Houston	25	67	November 18, 2003	20844	2003/322/17:04:55 (LM)	37.1
L2-AS		#079	JPL	41	63	November 18, 2003	20845	2003/322/18:42:31 (LM)	27.7
L1B1		#091	London	201	49	November 19, 2003	20855	2003/323/11:06:35 (LM)	28.3
L1A		#140	Salar	233	107	November 19, 2003	20857	2003/323/14:44:12 (LM)	4.4
Cal_Diode		#109	MOBY_Buoy	64	74	November 19, 2003	20861	2003/323/21:07:28 (CD)	22.3
L2-AS		#012	TWP_Manus	96	92	November 20, 2003	20863	2003/324/00:32:31 (LM)	77.2
Cal_Diode		#002	Algeria_3	192	66	November 20, 2003	20869	2003/324/10:15:54 (CD)	47.7
L2-AS	*	#040	Chesapeake	14	61	November 21, 2003	20887	2003/325/15:54:56 (LM)	24.3
L1B1	*	#223	Carnarvon	94	111	November 21, 2003	20892	2003/326/00:26:31 (LM)	150.8
L1B1		#013	TWP_Nauru	85	91	November 22, 2003	20906	2003/326/23:24:01 (LM)	158.9
L1B1		#205	Plymouth	204	50	November 24, 2003	20928	2003/328/11:25:23 (LM)	48.3

Table 2: November 2003 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_North		---	70.5 °N, 145.0 °E	204	---	November 24, 2003	20928	2003/328/11:14:00 (CN)	---
Cal_South		---	67.3 °S, 124.5 °E	003	---	November 24, 2003	20930	2003/328/15:32:00 (CS)	---
Cal_Dark		---	24.4 °S, 80.5 °E	019	---	November 24, 2003	20931	2003/328/17:22:24 (DK)	---
Cal_Diode		#204	Egypt_1	179	69	November 25, 2003	20941	2003/329/08:56:32 (CD)	31.6
Cal_Diode		#003	Algeria_5	195	66	November 25, 2003	20942	2003/329/10:34:21 (CD)	45.1
L2-AS	*	#070	Houston	26	67	November 25, 2003	20946	2003/329/17:11:02 (LM)	109.6
L2-AS		#012	TWP_Manus	97	92	November 27, 2003	20965	2003/331/00:38:39 (LM)	90.7
L2-AS		#054	Egypt_Desert	177	73	November 27, 2003	20970	2003/331/08:46:19 (LM)	36.1
L2-AS	*	#040	Chesapeake	15	61	November 28, 2003	20989	2003/332/16:01:00 (LM)	158.4
L2-AS	*	#040	Chesapeake	13	61	November 30, 2003	21018	2003/334/15:48:51 (LM)	111.3

The column labelled "data product required" reflects the highest level of data processing that our science teams members will request, for either Global Mode or Local Mode data products. This table thus gives a list of orbits where we would like early mission data to be processed to Level 2. As this file resides on the developers page, it is for internal JPL use only. Therefore, it is a "wishlist", and does not commit us to producing these products to outside investigators. We recognize that Local Mode data are currently only produced to L1B1 at the DAAC. This column tracks data sets that should be processed to L2, when this capability comes to exist.

This memorandum is also used as a history, documenting Local Mode and calibration data sets for future reference.