

INTEROFFICE MEMORANDUM

THIS UPDATE: June 2, 2001
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **May 2001**
 FILENAME: /data/MISR_Project/LM/0105_requests.fm

This is the May 2001 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 April 16, 2001. Rows proceeded with an * are extra critical: 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 no Cal_dark in May.

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	---	Warm up diodes for 5 minutes before starting Cal_diodes
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

This list is corrected to reflect the MISR anomaly of May 5-11, where Terra shut down the MISR computer, and the MISR software upgrade of May 22-29. No data were collected during these times

Table 2: May 2001 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS		#013	TWP_Nauru	84	91	May 01, 2001	7290	2001/121/23:27:05 (LM)	21.4
L2-AS	*	#209	Cheju_Is	116	64	May 02, 2001	7292	2001/122/02:35:23 (LM)	92.4
L2-AS	*	#206	Hashijo_Is	107	64	May 03, 2001	7306	2001/123/01:39:50 (LM)	44.3
Cal_Diode		#089	Libya_1	187	71	May 03, 2001	7311	2001/123/10:00:30 (CD)	12.8
L2-AS	*	#079	JPL	41	63	May 04, 2001	7331	2001/124/18:51:43 (LM)	24.1
No data taken because of MISR anomaly									
Cal_Diode		#204	Egypt_1	179	69	May 11, 2001	7427	2001/131/09:10:32 (CD)	29.5
Cal_Diode		#003	Algeria_5	195	66	May 11, 2001	7428	2001/131/10:48:20(CD)	45.2
L2-AS	*	#206	Hashijo_Is	106	64	May 12, 2001	7437	2001/132/01:33:59 (LM)	86.4
L1A		#189	White_Sands	33	64	May 12, 2001	7447	2001/132/18:02:47 (LM)	3.1
L2-AS		#012	TWP_Manus	97	92	May 13, 2001	7451	2001/133/00:47:58 (LM)	91.0
L2-AS	*	#207	Amami_Is	113	68	May 13, 2001	7452	2001/133/02:18:28 (LM)	61.9
L2-AS		#054	Egypt_Desert	177	73	May 13, 2001	7456	2001/133/08:55:38 (LM)	40.0
L1A	*	#210	Zurich	193	53	May 13, 2001	7457	2001/133/10:27:49 (LM)	165.8
L1A		#094	Lunar_Lake	40	60	May 14, 2001	7462	2001/133/18:44:35 (LM)	19.7

Table 2: May 2001 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#208	Mineyama	111	62	May 15, 2001	7481	2001/135/02:04:02 (LM)	120.0
L2-AS	*	#040	Chesapeake	13	61	May 16, 2001	7504	2001/136/15:58:12 (LM)	103.3
L2-AS		#013	TWP_Nauru	84	91	May 17, 2001	7523	2001/137/23:27:16 (LM)	5.8
Cal_Diode		#089	Libya_1	187	71	May 19, 2001	7544	2001/139/10:00:39 (CD)	3.1
L1A	*	#210	Zurich	194	53	May 20, 2001	7559	2001/140/10:33:50 (LM)	45.7
L2-AS	*	#096	Lunar_Lake	41	60	May 20, 2001	7564	2001/140/18:50:36 (LM)	116.5
L1B1		#091	London	201	49	May 21, 2001	7574	2001/141/11:15:54 (LM)	19.7
L1A		#140	Salar	233	107	May 21, 2001	7576	2001/141/14:53:30 (LM)	7.0
L2-AS		#012	TWP_Manus	96	92	May 22, 2001	7582	2001/142/00:41:49 (LM)	72.1
Cal_Diode		#002	Algeria_3	192	66	May 22, 2001	7588	2001/142/10:29:53 (CD)	55.9
No data taken because of new flight software load									
L1A	*	#210	Zurich	193	53	May 29, 2001	7690	2001/149/10:27:26 (LM)	167.0
L1A		#094	Lunar_Lake	40	60	May 29, 2001	7695	2001/149/18:44:10 (LM)	20.3

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. In the case of Global Mode data products, the processing to Level 2 data products may not be done for data sets acquired prior to May 1, 2001. 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. Thus, the request for L2 Local Mode data products cannot be fulfilled at this time. The purpose of this column, with respect to L2-LM products, is to track of which data sets should be processes to L2, should this capability come to exist some time in the future.

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