

INTEROFFICE MEMORANDUM

THIS UPDATE: March 16, 2001
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **March 2001**
 FILENAME: /data/MISR_Project/LM/0103_requests.fm

Here is the March 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 February 19, 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 March.

Table 1: Acquisition Times And Offsets

Operation	Table Abbreviation	Duration (minutes)	Before Nadir	Comments
Local Mode	LM	7:35	3:47	
Cal_diode	CD	2:08	1:04	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

Table 1: Acquisition Times And Offsets

Operation	Table Abbreviation	Duration (minutes)	Before Nadir	Comments
Cal_south	CS	8:10	---	Scheduled by IOT team before Cal_dark orbit

Table 2: March 2001 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#079	JPL	41	63	March 01, 2001	6399	2001/060/18:53:26 (LM)	28.0
L1B1		#091	London	201	49	March 02, 2001	6409	2001/061/11:17:28 (LM)	27.1
L1A		#140	Salar	233	107	March 02, 2001	6411	2001/061/14:55:04 (LM)	3.1
L2-AS		#012	TWP_Manus	96	92	March 03, 2001	6417	2001/062/00:43:22 (LM)	82.6
Cal_Diode		#002	Algeria_3	192	66	March 03, 2001	6423	2001/062/10:30:21 (CD)	46.4
L2-AS	*	#040	Chesapeake	14	61	March 04, 2001	6441	2001/063/16:05:41 (LM)	22.9
L1B1		#205	Plymouth	204	50	March 07, 2001	6482	2001/066/11:35:59 (LM)	47.6
Cal_Diode		#204	Egypt_1	179	69	March 08, 2001	6495	2001/067/09:10:43 (CD)	37.1
Cal_Diode		#003	Algeria_5	195	66	March 08, 2001	6496	2001/067/10:48:32 (CD)	50.1
L1A		#189	White_Sands	33	64	March 09, 2001	6515	2001/068/18:03:58 (LM)	9.8
L2-AS		#012	TWP_Manus	97	92	March 10, 2001	6519	2001/069/00:49:07 (LM)	79.8
L2-AS		#054	Egypt_Desert	177	73	March 10, 2001	6524	2001/069/08:56:46 (LM)	28.7

Table 2: March 2001 Requests

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1A		#094	Lunar_Lake	40	60	March 10, 2001	6530	2001/069/18:45:41 (LM)	29.7
L2-AS	*	#040	Chesapeake	13	61	March 13, 2001	6572	2001/072/15:59:08 (LM)	118.0
L2-AS		#013	TWP_Nauru	84	91	March 14, 2001	6591	2001/073/23:28:08 (LM)	24.8
Cal_Diode		#089	Libya_1	187	71	March 16, 2001	6612	2001/075/10:00:33 (CD)	14.4
L2-AS	*	#079	JPL	41	63	March 17, 2001	6632	2001/076/18:52:49 (LM)	22.3
L1B1		#091	London	201	49	March 18, 2001	6642	2001/077/11:16:54 (LM)	31.4
L1A		#140	Salar	233	107	March 18, 2001	6644	2001/077/14:54:30 (LM)	8.8
L2-AS		#012	TWP_Manus	96	92	March 19, 2001	6650	2001/078/00:42:50 (LM)	87.8
Cal_Diode		#002	Algeria_3	192	66	March 19, 2001	6656	2001/078/10:29:53 (CD)	42.4
L2-AS	*	#040	Chesapeake	14	61	March 20, 2001	6674	2001/079/16:05:15 (LM)	21.6
L2-AS	*	TOO	33.0 °N, 177.3 °W	78	64	March 20, 2001	6678	2001/079/22:41:55 (LM)	125.5
L1B1		#205	Plymouth	204	50	March 23, 2001	6715	2001/082/11:35:44 (LM)	48.8
Cal_Diode		#204	Egypt_1	179	69	March 24, 2001	6728	2001/083/09:10:31 (CD)	32.9
Cal_Diode		#003	Algeria_5	195	66	March 24, 2001	6729	2001/083/10:48:20 (CD)	45.8
L2-AS	*	TOO	33.0 °N, 163.9 °E	90	64	March 24, 2001	6737	2001/083/23:56:08 (LM)	146.8
L1A		#189	White_Sands	33	64	March 25, 2001	6748	2001/084/18:03:51 (LM)	3.1
L2-AS		#012	TWP_Manus	97	92	March 26, 2001	6752	2001/085/00:49:01 (LM)	87.2
L2-AS		#054	Egypt_Desert	177	73	March 26, 2001	6757	2001/085/08:56:41 (LM)	36.2

Table 2: March 2001 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1A		#094	Lunar_Lake	40	60	March 26, 2001	6763	2001/085/18:45:38 (LM)	22.9
L2-AS	*	TOO	33.0 °N, 145.4 °E	102	64	March 29, 2001	6796	2001/088/01:10:18 (LM)	140.5
L2-AS	*	#040	Chesapeake	13	61	March 29, 2001	6805	2001/088/15:59:16 (LM)	107.3
L2-AS		#013	TWP_Nauru	84	91	March 30, 2001	6824	2001/089/23:28:19 (LM)	9.1

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.

This update includes the targets-of-opportunity for the Ace-Asia campaign, the latitude/longitude values are more important than the time estimates.