JPL
Jet Propulsion Laboratory
California Institute of Technology

MISR **Multi-angle
Imaging
Spectro-
Radiometer**

INTEROFFICE MEMORANDUM

THIS UPDATE: October 8, 2001
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **October 2001**
FILENAME: /data/MISR_Project/LM/0110_requests.fm

This is the October 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 September 19, 2001. 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 October.

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_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

Table 2: October 2001 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#205	Plymouth	204	50	October 01, 2001	9511	2001/274/11:30:30 (LM)	50.4
Cal_Diode		#204	Egypt_1	179	69	October 02, 2001	9524	2001/275/09:01:35 (CD)	38.1
Cal_Diode		#003	Algeria_5	195	66	October 02, 2001	9525	2001/275/10:39:23 (CD)	50.4
L1A		#189	White_Sands	33	64	October 03, 2001	9544	2001/276/17:58:25 (LM)	4.9
L2-AS		#012	TWP_Manus	97	92	October 04, 2001	9548	2001/277/00:43:36 (LM)	77.9
L1A		#094	Lunar_Lake	40	60	October 04, 2001	9559	2001/277/18:40:15 (LM)	28.2
L2-AS	*	#040	Chesapeake	13	61	October 07, 2001	9601	2001/280/15:54:01 (LM)	109.3
L2-AS		#013	TWP_Nauru	84	91	October 08, 2001	9620	2001/281/23:23:07 (LM)	11.4
Cal_Diode		#089	Libya_1	187	71	October 10, 2001	9641	2001/283/09:51:55 (CD)	0.0
L2-AS	*	#079	JPL	41	63	October 11, 2001	9661	2001/284/18:47:48 (LM)	34.9
L1B1		#091	London	201	49	October 12, 2001	9671	2001/285/11:11:52 (LM)	19.7
L1A		#140	Salar	233	107	October 12, 2001	9673	2001/285/14:49:29 (LM)	3.8
L2-AS		#012	TWP_Manus	96	92	October 13, 2001	9679	2001/286/00:37:48 (LM)	74.1
Cal_Diode		#002	Algeria_3	192	66	October 13, 2001	9685	2001/286/10:16:11 (CD)	54.9
L2-AS	*	#040	Chesapeake	14	61	October 14, 2001	9703	2001/287/16:00:11 (LM)	32.9
Cal_North		---	59.0 °N, 29.6 °E	53	---	October 15, 2001	9720	2001/288/19:42:38 (CN)	---

Table 2: October 2001 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_South		---	77.5 °S, 6.1 °W	101	---	October 16, 2001	9723	2001/289/01:39:08 (CS)	---
Cal_Dark		---	28.4 °S, 94.6 °W	133	---	October 16, 2001	9725	2001/289/19:42:38 (DK)	---
L1B1		#205	Plymouth	204	50	October 17, 2001	9744	2001/290/11:30:34 (LM)	57.7
Cal_Diode		#204	Egypt_1	179	69	October 18, 2001	9757	2001/291/09:01:41 (CD)	23.2
Cal_Diode		#003	Algeria_5	195	66	October 18, 2001	9758	2001/291/10:39:30 (CD)	36.4
L1A		#189	White_Sands	33	64	October 19, 2001	9777	2001/292/17:58:35 (LM)	4.0
L2-AS		#012	TWP_Manus	97	92	October 20, 2001	9781	2001/293/00:43:45 (LM)	95.5
L1A		#094	Lunar_Lake	40	60	October 20, 2001	9792	2001/293/18:40:19 (LM)	16.2
L2-AS	*	#040	Chesapeake	13	61	October 23, 2001	9834	2001/296/15:53:46 (LM)	103.6
L2-AS		#013	TWP_Nauru	84	91	October 24, 2001	9853	2001/297/23:22:44 (LM)	8.5
Cal_Diode		#089	Libya_1	187	71	October 26, 2001	9874	2001/299/09:46:23 (CD)	2.2
L2-AS	*	#096	JPL	41	63	October 27, 2001	9894	2001/300/18:47:08 (LM)	30.7
L1B1		#091	London	201	49	October 28, 2001	9904	2001/301/11:11:08 (LM)	24.0
L1A		#140	Salar	233	107	October 28 2001	9906	2001/301/14:48:44 (LM)	3.1
L2-AS		#012	TWP_Manus	96	92	October 29, 2001	9912	2001/302/00:37:01 (LM)	82.5
Cal_Diode		#002	Algeria_3	192	66	October 29, 2001	9918	2001/302/10:20:21 (CD)	46.9
L2-AS	*	#040	Chesapeake	14	61	October 30, 2001	9936	2001/303/15:59:14 (LM)	22.9

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.