Jet Propulsion Laboratory
California Institute of Technology

MISR Multi-angle Imaging Spectro-Radiometer

INTEROFFICE MEMORANDUM

THIS UPDATE: April 09, 2002
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **April 2002**
FILENAME: /data/MISR_Project/LM/0204_requests.fm

This is the April 2002 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 March 11, 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 April.

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: April 2002 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#040	Chesapeake	13	61	April 01, 2002	12164	2002/091/15:50:06 (LM)	108.9
L2-AS		#013	TWP_Nauru	84	91	April 02, 2002	12183	2002/092/23:19:10 (LM)	8.2
Cal_Diode		#089	Libya_1	187	71	April 04 2002	12204	2002/094/09:47:55 (CD)	3.8
L2-AS	*	#079	JPL	41	63	April 04, 2002	12224	2002/095/18:43:48 (LM)	29.3
L1B1		#091	London	201	49	April 06, 2002	12234	2002/096/11:07:53 (LM)	28.3
L1A		#140	Salar	233	107	April 06, 2002	12236	2002/096/14:45:30 (LM)	6.6
L2-AS		#012	TWP_Manus	96	92	April 07, 2002	12242	2002/097/00:33:49 (LM)	75.3
Cal_Diode		#002	Algeria_3	192	66	April 07, 2002	12248	2002/097/10:17:12 (CD)	48.8
L2-AS	*	#040	Chesapeake	14	61	April 08, 2002	12266	2002/098/15:56:14 (LM)	25.3
Cal_North		---	42.9 °N, 149.63 °W	213	---	April 10, 2002	12293	2002/100/12:02:22 (CN)	---
Cal_South		---	76.44 °S, 123.5 °W	12	---	April 10, 2002	12295	2002/100/16:19:50 (CS)	---
Cal_Dark		---	24.06 °S, 67.62 °E	28	---	April 10, 2002	12296	2002/100/18:18:39 (DK)	---
L1B1		#205	Plymouth	204	50	April 11, 2002	12307	2002/101/11:26:41 (LM)	48.8
Cal_Diode		#204	Egypt_1	179	69	April 12, 2002	12320	2002/102/08:57:50 (CD)	31.0
Cal_Diode		#003	Algeria_5	195	66	April 12, 2002	12321	2002/102/10:35:39 (CD)	44.7
L2-AS		#012	TWP_Manus	97	92	April 14, 2002	12344	2002/104/00:39:56 (LM)	91.5

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Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#040	Chesapeake	13	61	April 17, 2002	12397	2002/107/15:50:07 (LM)	113.2
L2-AS		#013	TWP_Nauru	84	91	April 18, 2002	12416	2002/108/23:19:08 (LM)	12.6
Cal_Diode		#089	Libya_1	187	71	April 20, 2002	12437	2002/110/09:47:51 (CD)	9.3
L2-AS	*	#079	JPL	41	63	April 21, 2002	12457	2002/111/18:43:40 (LM)	22.6
L1B1		#091	London	201	49	April 22, 2002	12467	2002/112/11:07:43 (LM)	35.2
L1A		#140	Salar	233	107	April 22, 2002	12469	2002/112/14:45:18 (LM)	3.1
L2-AS		#012	TWP_Manus	96	92	April 23, 2002	12475	2002/113/00:33:37 (LM)	85.3
Cal_Diode		#002	Algeria_3	192	66	April 23, 2002	12481	2002/113/10:16:58 (CD)	39.7
L2-AS	*	#040	Chesapeake	14	61	April 24, 2002	12499	2002/114/15:55:56 (LM)	15.2
L1B1		#205	Plymouth	204	50	April 27, 2002	12540	2002/117/11:26:28 (LM)	41.5
Cal_Diode		#204	Egypt_1	179	69	April 28, 2002	12553	2002/118/08:57:18 (CD)	39.0
Cal_Diode		#003	Algeria_5	195	66	April 28, 2002	12554	2002/118/10:35:18 (CD)	51.0
L2-AS		#012	TWP_Manus	97	92	April 30, 2002	12577	2002/120/00:39:00 (LM)	80.0

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, 2002. 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.