JPL
Jet Propulsion Laboratory
California Institute of Technology

MISR

Multi-angle
Imaging
Spectro-
Radiometer

INTEROFFICE MEMORANDUM

THIS UPDATE: June 19, 2001
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **July 2001**
FILENAME: /data/MISR_Project/LM/0107_requests.fm

This is the July 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 June 11, 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 July.

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: July 2001 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	July 03, 2001	8203	2001/184/15:56:28 (LM)	114.9
Not Scheduled		#013	TWP_Nauru	84	91	July 04, 2001	8222	2001/185/23:25:32 (LM)	18.8
Cal_Diode		#089	Libya_1	187	71	July 06, 2001	8243	2001/187/09:54:18 (CD)	9.1
L1A	*	#210	Zurich	194	53	July 07, 2001	8258	2001/188/10:32:09 (LM)	54.8
L2-AS	*	#079	JPL	41	63	July 07, 2001	8263	2001/188/18:50:10 (LM)	26.7
L1B1		#091	London	201	49	July 08, 2001	8273	2001/189/11:14:14 (LM)	26.9
L1A		#140	Salar	233	107	July 09, 2001	8275	2001/189/14:51:50 (LM)	5.4
L2-AS		#012	TWP_Manus	96	92	July 09, 2001	8281	2001/190/00:40:10 (LM)	83.5
Cal_Diode		#002	Algeria_3	192	66	July 09, 2001	8287	2001/190/10:23:32 (CD)	46.6
L2-AS	*	#040	Chesapeake	14	61	July 10, 2001	8305	2001/191/16:02:33 (LM)	25.0
L1B1		#205	Plymouth	204	50	July 13, 2001	8346	2001/194/11:32:59 (LM)	51.8
Cal_Diode		#204	Egypt_1	179	69	July 14, 2001	8359	2001/195/09:04:07 (CD)	30.3
L1A	*	#210	Zurich	195	52	July 14, 2001	8360	2001/195/10:38:10 (LM)	66.2
L1A		#189	White_Sands	33	64	July 15, 2001	8379	2001/196/18:01:04 (LM)	0.0
L2-AS		#012	TWP_Manus	97	92	July 16, 2001	8383	2001/197/00:46:14 (LM)	89.0
L2-AS		#054	Egypt_Desert	177	73	July 16, 2001	8388	2001/197/08:53:54 (LM)	38.0

Table 2: July 2001 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1A	*	#210	Zurich	193	53	July 16, 2001	8389	2001/197/10:26:05 (LM)	167.4
L1A		#094	Lunar_Lake	40	60	July 16, 2001	8394	2001/197/18:42:50 (LM)	20.9
L2-AS	*	#040	Chesapeake	15	61	July 17, 2001	8407	2001/198/16:08:35 (LM)	167.0
L2-AS	*	#040	Chesapeake	13	61	July 19, 2001	8436	2001/200/15:56:26 (LM)	105.8
L2-AS		#013	TWP_Nauru	84	91	July 20, 2001	8455	2001/201/23:25:29 (LM)	8.2
Cal_Diode		#089	Libya_1	187	71	July 22, 2001	8476	2001/203/09:54:14 (CD)	0.0
L1A		#210	Zurich	194	53	July 23, 2001	8491	2001/204/10:32:04 (LM)	48.7
L2-AS	*	#096	JPL	41	63	July 23, 2001	8496	2001/204/18:50:05 (LM)	34.2
L1B1		#091	London	201	49	July 24, 2001	8506	2001/205/11:14:08 (LM)	21.6
L1A		#140	Salar	233	107	July 24, 2001	8508	2001/205/14:51:44 (LM)	4.4
L2-AS		#012	TWP_Manus	96	92	July 25, 2001	8514	2001/206/00:40:03 (LM)	74.8
Cal_Diode		#002	Algeria_3	192	66	July 25, 2001	8520	2001/206/10:23:25 (CD)	54.1
L2-AS	*	#040	Chesapeake	14	61	July 26, 2001	8538	2001/207/16:02:25 (LM)	31.5
L1B1		#205	Plymouth	204	50	July 29, 2001	8579	2001/210/11:34:00 (LM)	51.0
Cal_Diode		#204	Egypt_1	179	69	July 30, 2001	8592	2001/211/09:05:18 (CD)	32.0
L1A	*	#210	Zurich	195	52	July 30, 2001	8593	2001/211/10:39:00 (LM)	64.0
L1A		#189	White_Sands	33	64	July 31, 2001	8612	2001/212/18:02:00 (LM)	4.0

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, 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.