JPL

Jet Propulsion Laboratory
California Institute of Technology

MISR

Multi-angle
Imaging
Spectro-
Radiometer

INTEROFFICE MEMORANDUM

THIS UPDATE: January 21, 2003
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **January 2003**
FILENAME: /data/MISR_Project/LM/0301_requests.fm

This is the January 2003 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 December 16, 2002. 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 not a Cal_dark sequence in January.

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_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
Cal_south	CS	8:10	---	Scheduled by IOT team before Cal_dark orbit

Table 2: January 2003 Requests

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_Diode		#089	Libya_1	187	71	January 01, 2003	16165	2003/001/09:47:21 (CD)	8.8
L2-AS	*	#070	Houston	25	67	January 02, 2003	16184	2003/002/17:05:35 (LM)	41.6
L2-AS		#079	JPL	41	63	January 02, 2003	16185	2003/002/18:43:11 (LM)	23.7
L1B1		#091	London	201	49	January 03, 2003	16195	2003/003/11:07:13 (LM)	31.6
L1A		#140	Salar	233	107	January 03, 2003	16197	2003/003/14:44:49 (LM)	3.1
L2-AS	*	#012	TWP_Manus	96	92	January 04, 2003	16203	2003/004/00:33:08 (LM)	84.6
Cal_Diode		#002	Algeria_3	192	66	January 04, 2003	16209	2003/004/10:16:29 (CD)	41.9
L2-AS	*	#040	Chesapeake	14	61	January 05, 2003	16227	2003/005/15:55:28 (LM)	18.0
L1B1		#013	TWP_Nauru	85	91	January 06, 2003	16246	2003/006/23:24:30 (LM)	148.4
L1B1		#205	Plymouth	204	50	January 08, 2003	16268	2003/008/11:25:51 (LM)	42.4
Cal_Diode		#204	Egypt_1	179	69	January 09, 2003	16281	2003/009/08:57:01 (CD)	39.2
Cal_Diode		#003	Algeria_5	195	66	January 09, 2003	16282	2003/009/10:34:50 (CD)	52.2
L2-AS	*	#070	Houston	26	67	January 09, 2003	16286	2003/009/17:11:33 (LM)	102.2
L2-AS		#012	TWP_Manus	97	92	January 11, 2003	16305	2003/011/00:39:12 (LM)	82.9
L2-AS		#054	Egypt_Desert	177	73	January 11, 2003	16310	2003/011/08:46:53 (LM)	30.0
L2-AS	*	#040	Chesapeake	13	61	January 14, 2003	16358	2003/014/15:49:32 (LM)	113.9
L2-AS		#013	TWP_Nauru	84	91	January 15, 2003	16377	2003/015/23:18:37 (LM)	13.4

Table 2: January 2003 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_Diode		#089	Libya_1	187	71	January 17, 2003	16398	2003/017/09:47:25 (CD)	6.2
L2-AS	*	#070	Houston	25	67	January 18, 2003	16417	2003/018/17:05:42 (LM)	37.3
L2-AS		#079	JPL	41	63	January 18, 2003	16418	2003/018/18:43:19 (LM)	27.6
L1B1		#091	London	201	49	January 19, 2003	16428	2003/019/11:07:23 (LM)	27.5
L1A		#140	Salar	233	107	January 19, 2003	16430	2003/019/14:45:00 (LM)	3.1
L2-AS		#012	TWP_Manus	96	92	January 20, 2003	16436	2003/020/00:33:20 (LM)	78.3
Cal_Diode		#002	Algeria_3	192	66	January 20, 2003	16442	2003/020/10:16:43 (CD)	47.7
L2-AS	*	#040	Chesapeake	14	61	January 21, 2003	16460	2003/021/15:55:45 (LM)	25.2
L2-AS		#013	TWP_Nauru	85	91	January 22, 2003	16479	2003/022/23:24:51 (LM)	159.2
L1B1		#205	Plymouth	204	50	January 24, 2003	16501	2003/024/11:26:14 (LM)	50.5
Cal_Diode		#204	Egypt_1	179	69	January 25, 2003	16514	2003/025/08:57:23 (CD)	29.2
Cal_Diode		#003	Algeria_5	195	66	January 25, 2003	16515	2003/025/10:35:12 (CD)	42.3
L2-AS	*	#070	Houston	26	67	January 25, 2003	16519	2003/025/17:11:54 (LM)	112.1
L2-AS		#012	TWP_Manus	97	92	January 27, 2003	16538	2003/027/00:39:32 (LM)	93.2
L2-AS		#054	Egypt_Desert	177	73	January 27, 2003	16543	2003/027/08:47:13 (LM)	39.5
L2-AS	*	#040	Chesapeake	13	61	January 30, 2003	16591	2003/030/15:49:48 (LM)	106.6
L2-AS		#013	TWP_Nauru	84	91	January 31, 2003	16610	2003/031/23:18:52 (LM)	4.9

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. 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. This column tracks data sets that should be processes to L2, when this capability comes to exist.

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