JPL

Jet Propulsion Laboratory
California Institute of Technology

MISR
Multi-angle Imaging Spectro-Radiometer

INTEROFFICE MEMORANDUM

THIS UPDATE: February 24, 2003
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **February 2003**
FILENAME: /data/MISR_Project/LM/0302_requests.fm

This is the February 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 January 21, 2003. 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 February.

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: February 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	February 02, 2003	16631	2003/033/09:47:22 (CD)	6.2
Cal_North		---	65.6 °N, 166.5 °E	194	---	February 03, 2003	16646	2003/034/10:11:22 (CN)	---
Cal_South		---	68.8 °S, 141.9 °E	226	---	February 03, 2003	16648	2003/034/14:30:01 (CS)	---
L2-AS	*	#070	Houston	25	67	February 03, 2003	16650	2003/034/17:05:37 (LM)	38.2
Cal_Dark		---	25.7 °S, 71.6 °E	25	---	February 03, 2003	16650	2003/034/18:00:25 (DK)	---
L2-AS		#079	JPL	41	63	February 03, 2003	16651	2003/034/18:43:14 (LM)	27.5
L1B1		#091	London	201	49	February 04, 2003	16661	2003/035/11:07:18 (LM)	28.3
L1A		#140	Salar	233	107	February 04, 2003	16663	2003/035/14:44:55 (LM)	4.4
L2-AS		#012	TWP_Manus	96	92	February 05, 2003	16669	2003/036/00:33:14 (LM)	79.5
Cal_Diode		#002	Algeria_3	192	66	February 05, 2003	16675	2003/036/10:16:36 (CD)	46.7
L2-AS	*	#040	Chesapeake	14	61	February 06, 2003	16693	2003/037/15:55:37 (LM)	23.7
L1B1		#013	TWP_Nauru	85	91	February 07, 2003	16712	2003/038/23:24:42 (LM)	156.3
L1B1		#205	Plymouth	204	50	February 09, 2003	16734	2003/040/11:26:03 (LM)	47.9
Cal_Diode		#204	Egypt_1	179	69	February 10, 2003	16747	2003/041/08:57:11 (CD)	32.6
Cal_Diode		#003	Algeria_5	195	66	February 10, 2003	16748	2003/041/10:34:60 (CD)	45.9
L2-AS	*	#070	Houston	26	67	February 10, 2003	16752	2003/041/17:11:39 (LM)	107.3
L2-AS		#012	TWP_Manus	97	92	February 12, 2003	16771	2003/043/00:39:18 (LM)	88.2

Table 2: February 2003 Requests

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS		#054	Egypt_Desert	177	73	February 12, 2003	16776	2003/043/08:46:58 (LM)	34.8
L2-AS	*	#040	Chesapeake	13	61	February 15, 2003	16824	2003/046/15:49:29 (LM)	111.8
L2-AS		#013	TWP_Nauru	84	91	February 15, 2003	16843	2003/047/23:18:32 (LM)	12.8
Cal_Diode		#089	Libya_1	187	71	February 18, 2003	16864	2003/049/09:47:16 (CD)	7.3
L2-AS	*	#070	Houston	25	67	February 19, 2003	16883	2003/050/17:05:27 (LM)	40.9
L2-AS		#079	JPL	41	63	February 19, 2003	16884	2003/050/18:43:07 (LM)	26.2
L1B1		#091	London	201	49	February 20, 2003	16894	2003/051/11:07:10 (LM)	29.0
L1A		#140	Salar	233	107	February 20, 2003	16896	2003/051/14:44:46 (LM)	3.8
L2-AS		#012	TWP_Manus	96	92	February 21, 2003	16902	2003/052/00:33:05 (LM)	81.7
Cal_Diode		#002	Algeria_3	192	66	February 21, 2003	16908	2003/052/10:16:27 (CD)	45.0
L2-AS	*	#040	Chesapeake	14	61	February 22, 2003	16926	2003/053/15:55:27 (LM)	21.6
L2-AS		#013	TWP_Nauru	85	91	February 23, 2003	16945	2003/054/23:24:31 (LM)	153.0
L1B1		#205	Plymouth	204	50	February 25, 2003	16967	2003/056/11:25:50 (LM)	46.0
Cal_Diode		#204	Egypt_1	179	69	February 26, 2003	16980	2003/057/08:56:58 (CD)	36.7
Cal_Diode		#003	Algeria_5	195	66	February 26, 2003	16981	2003/057/10:34:46 (CD)	49.4
L2-AS	*	#070	Houston	26	67	February 26, 2003	16985	2003/057/17:11:23 (LM)	101.5
L2-AS		#012	TWP_Manus	97	92	February 28, 2003	17004	2003/059/00:39:03 (LM)	83.3
L2-AS		#054	Egypt_Desert	177	73	February 28, 2003	17009	2003/059/08:46:42 (LM)	30.3

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.