Jet Propulsion Laboratory
California Institute of Technology

MISR Multi-angle Imaging Spectro-Radiometer

INTEROFFICE MEMORANDUM

THIS UPDATE: January 26, 2004
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **February 2004**
FILENAME: /data/MISR_Project/LM/0402_requests.fm

This is the February 2004 list of MISR Local Mode observations to be scheduled by the IOT team. Data acquisition times are based on the latest available GRNDTRCK7_* file, of January 19, 2004. 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 February

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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 2004 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	February 02, 2004	21950	2004/033/15:49:08 (LM)	107.5
L1B1	*	#223	Carnarvon	93	111	February 03, 2004	21955	2004/034/00:20:44 (LM)	4.4
L2-AS		#013	TWP_Nauru	84	91	February 03, 2004	21969	2004/034/23:18:13 (LM)	6.6
Cal_Diode		#089	Libya_1	187	71	February 05, 2004	21990	2004/036/09:46:59 (CD)	0.0
Cal_Diode		#166	Pacific_Temp	50	67	February 05, 2004	21996	2004/036/19:38:51 (CD)	135.4
L2-AS	*	#070	Houston	25	67	February 06, 2004	22009	2004/037/17:05:16 (LM)	32.6
L2-AS		#079	JPL	41	63	February 06, 2004	22010	2004/037/18:42:52 (LM)	32.2
L1B1		#091	London	201	49	February 07, 2004	22020	2004/038/11:06:56 (LM)	25.1
L1A		#140	Salar	233	107	February 07, 2004	22022	2004/038/14:44:33 (LM)	8.2
Cal_Diode		#109	MOBY_Buoy	64	74	February 07, 2004	22026	2004/038/21:07:49 (CD)	26.5
L2-AS		#012	TWP_Manus	96	92	February 08, 2004	22028	2004/039/00:32:52 (LM)	72.9
Cal_Diode		#002	Algeria_3	192	66	February 08, 2004	22034	2004/039/10:16:14 (CD)	52.5
L2-AS	*	#040	Chesapeake	14	61	February 09, 2004	22052	2004/040/15:55:16 (LM)	28.7
L1B1	*	#223	Carnarvon	94	111	February 10, 2004	22057	2004/041/00:26:52 (LM)	154.0
L2-AS		#013	TWP_Nauru	85	91	February 10, 2004	22071	2004/041/23:24:21 (LM)	163.4
L1B1		#205	Plymouth	204	50	February 12, 2004	22093	2004/043/11:25:43 (LM)	52.6
Cal_Diode		#204	Egypt_1	179	69	February 13, 2004	22106	2004/044/08:56:52 (CD)	26.4
Cal_Diode		#003	Algeria_5	195	66	February 13, 2004	22107	2004/044/10:34:41 (CD)	40.0
L2-AS	*	#070	Houston	26	67	February 13, 2004	22111	2004/044/17:11:23 (LM)	114.4

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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		#012	TWP_Manus	97	92	February 15, 2004	22130	2004/046/00:39:00 (LM)	96.0
L1B1		#054	Egypt_Desert	177	73	February 15, 2004	22135	2004/046/08:46:40 (LM)	41.7
L2-AS	*	#040	Chesapeake	15	61	February 16, 2004	22154	2004/047/16:01:21 (LM)	164.2
L2-AS	*	#040	Chesapeake	13	61	February 18, 2004	22183	2004/049/15:49:14 (LM)	105.7
L1B1	*	#223	Carnarvon	93	111	February 19, 2004	22188	2004/050/00:20:49 (LM)	3.8
L2-AS		#013	TWP_Nauru	84	91	February 19, 2004	22202	2004/050/23:18:17 (LM)	4.4
Cal_Diode		#089	Libya_1	187	71	February 21, 2004	22223	2004/052/09:47:03 (CD)	0.0
Cal_Diode		#166	Pacific_Temp	50	67	February 21, 2004	22229	2004/052/19:38:55 (CD)	133.9
L2-AS	*	#070	Houston	25	67	February 22, 2004	22242	2004/053/17:05:19 (LM)	31.1
L2-AS		#079	JPL	41	63	February 22, 2004	22243	2004/053/18:42:55 (LM)	33.5
L1B1		#091	London	201	49	February 23, 2004	22253	2004/054/11:06:59 (LM)	25.1
L1A		#140	Salar	233	107	February 23, 2004	22255	2004/054/14:44:35 (LM)	8.5
Cal_Diode		#109	MOBY_Buoy	64	74	February 23, 2004	22259	2004/054/21:07:51 (CD)	28.0
L2-AS		#012	TWP_Manus	96	92	February 24, 2004	22261	2004/055/00:32:54 (LM)	71.7
Cal_Diode		#002	Algeria_3	192	66	February 24, 2004	22267	2004/055/10:16:17 (CD)	53.1
L2-AS	*	#040	Chesapeake	14	61	February 25, 2004	22285	2004/056/15:55:17 (LM)	29.8
L1B1	*	#223	Carnarvon	94	111	February 25, 2004	22290	2004/057/00:26:53 (LM)	154.6
L2-AS		#013	TWP_Nauru	85	91	February 26, 2004	22304	2004/057/23:24:22 (LM)	163.9
L1B1		#205	Plymouth	204	50	February 28, 2004	22326	2004/059/11:25:43 (LM)	52.4
Cal_Diode		#204	Egypt_1	179	69	February 29, 2004	22339	2004/060/08:56:51 (CD)	26.3

Table 2: February 2004 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_Diode		#003	Algeria_5	195	66	February 29, 2004	22340	2004/060/10:34:40 (CD)	39.7
L2-AS	*	#070	Houston	26	67	February 29, 2004	22344	2004/060/17:11:22 (LM)	114.5

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.

Two Local Mode acquitisitions were lost due to the SFE outtage of February 18-19.