

INTEROFFICE MEMORANDUM

THIS UPDATE: April 26, 2004
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **May 2004**
 FILENAME: /data/MISR_Project/LM/0405_requests.fm

This is the May 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 April 26, 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 a Cal_dark sequence in May

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: May 2004 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#227	Monterey_EVE	44	61	May 01, 2004	23248	2004/122/19:00:00 (LM)	23.9
L1B1		#205	Plymouth	204	50	May 02, 2004	23258	2004/123/11:24:58 (LM)	43.9
Cal_Diode		#204	Egypt_1	179	69	May 03, 2004	23271	2004/124/08:56:06 (CD)	37.6
Cal_Diode		#003	Algeria_5	195	66	May 03, 2004	23272	2004/124/10:33:55 (CD)	50.5
L2-AS	*	#070	Houston	26	67	May 03, 2004	23276	2004/124/17:10:37 (LM)	103.7
L2-AS		#012	TWP_Manus	97	92	May 05, 2004	23295	2004/126/00:38:14 (LM)	82.9
L1B1		#054	Egypt_Desert	177	73	May 05, 2004	23300	2004/126/08:45:54 (LM)	30.2
L2-AS		#040	Chesapeake	15	61	May 06, 2004	23319	2004/127/16:00:35 (LM)	154.9
L2-AS	*	#040	Chesapeake	13	61	May 06, 2004	23348	2004/129/15:48:28 (LM)	115.1
L2-AS		#227	Monterey_EVE	45	61	May 08, 2004	23350	2004/129/19:06:05 (LM)	112.0
L2-AS		#013	TWP_Nauru	84	91	May 09, 2004	23367	2004/130/23:17:31 (LM)	16.3
L2-AS	*	#227	Monterey_EVE	43	61	May 10, 2004	23379	2004/131/18:53:57 (LM)	158.3
Cal_Diode		#089	Libya_1	187	71	May 11, 2004	23388	2004/132/09:46:17 (CD)	9.8
Cal_Diode		#166	Pacific_Temp	50	67	May 11, 2004	23394	2004/132/19:38:08 (CD)	143.7
L2-AS	*	#070	Houston	25	67	May 12, 2004	23407	2004/133/17:04:32 (LM)	40.9
L2-AS		#079	JPL	41	63	May 12, 2004	23408	2004/133/18:42:08 (LM)	24.7
L1B1		#091	London	201	49	May 13, 2004	23418	2004/134/11:06:12 (LM)	30.2
L1A		#140	Salar	233	107	May 13, 2004	23420	2004/134/14:43:48 (LM)	5.4
Cal_Diode		#109	MOBY_Buoy	64	74	May 13, 2004	23424	2004/134/21:07:05 (CD)	17.0

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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	96	92	May 14, 2004	23426	2004/135/00:32:08 (LM)	83.9
Cal_Diode		#002	Algeria_3	192	66	May 14, 2004	23432	2004/135/10:15:30 (CD)	43.4
L2-AS	*	#040	Chesapeake	14	61	May 15, 2004	23450	2004/136/15:54:31 (LM)	20.6
L2-AS		#013	TWP_Nauru	85	91	May 16, 2004	23469	2004/137/23:23:36 (LM)	152.2
L2-AS	*	#227	Monterey_EVE	44	61	May 17, 2004	23481	2004/138/19:00:00 (LM)	22.6
L1B1		#205	Plymouth	204	50	May 18, 2004	23491	2004/139/11:24:57 (LM)	45.1
Cal_Diode		#204	Egypt_1	179	69	May 19, 2004	23504	2004/140/08:56:05 (CD)	36.0
Cal_North		---	29.7 °N 178.7 °W	195	---	May 19, 2004	23505	2004/140/10:06:38 (CN)	---
Cal_Diode		#003	Algeria_5	195	66	May 19, 2004	23505	Cancelled	
Cal_South		---		227	---	May 19, 2004	23507	Cancelled	---
L2-AS	*	#070	Houston	26	67	May 19, 2004	23509	Cancelled	
Cal_Dark		---	40.5 °S 74.2 °E	26	---	May 19, 2004	23509	2004/140/18:01:32 (DK)	---
L2-AS		#012	TWP_Manus	97	92	May 21, 2004	23528	2004/142/00:38:12 (LM)	84.6
L1B1		#054	Egypt_Desert	177	73	May 21, 2004	23533	2004/142/08:45:52 (LM)	31.7
L2-AS	*	#040	Chesapeake	15	61	May 22, 2004	23552	2004/143/16:00:32 (LM)	155.9
L2-AS	*	#040	Chesapeake	13	61	May 24, 2004	23581	2004/145/15:48:24 (LM)	114.2
L2-AS	*	#227	Monterey_EVE	42	61	May 24, 2004	23583	2004/145/19:06:01 (LM)	112.8
L2-AS		#013	TWP_Nauru	84	91	May 25, 2004	23600	2004/146/23:17:27 (LM)	15.9
L2-AS	*	#227	Monterey_EVE	43	61	May 26, 2004	23612	2004/147/18:53:52 (LM)	157.7
Cal_Diode		#089	Libya_1	187	71	May 27, 2004	23621	2004/148/09:46:12 (CD)	10.1

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Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_Diode		#166	Pacific_Temp	50	67	May 27, 2004	23627	2004/148/19:38:03 (CD)	143.5
L2-AS	*	#070	Houston	25	67	May 28, 2004	23640	2004/149/17:04:27 (LM)	41.0
L2-AS		#079	JPL	41	63	May 28, 2004	23641	2004/149/18:42:03 (LM)	24.3
L1B1		#091	London	201	49	May 29, 2004	23651	2004/150/11:06:06 (LM)	30.0
L1A		#140	Salar	233	107	May 29, 2004	23653	2004/150/14:43:42 (LM)	4.9
Cal_Diode		#109	MOBY_Buoy	64	74	May 29, 2004	23657	2004/150/21:06:59 (CD)	16.8
L2-AS		#012	TWP_Manus	96	92	May 30, 2004	23659	2004/151/00:32:02 (LM)	84.1
Cal_Diode		#002	Algeria_3	192	66	May 30, 2004	23665	2004/151/10:15:24 (CD)	43.1
L2-AS	*	#040	Chesapeake	14	61	May 31, 2004	23683	2004/152/15:54:24 (LM)	20.4

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 processed 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.

One Local Mode acquisition was cancelled because of on-board calibration, as was one diode calibration. The Cal_South event was cancelled because the goniometer had not returned to its correct position after Cal_North.