

**INTEROFFICE MEMORANDUM**

THIS UPDATE: April 24, 2003  
 FROM: Barbara Gaitley  
 SUBJECT: Local Mode data acquisition requests for **May 2003**  
 FILENAME: /data/MISR\_Project/LM/0305\_requests.fm

This is the May 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 April 21, 2003. Rows preceded 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 2003 Requests**

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_Diode		#204	Egypt_1	179	69	May 01, 2003	17912	2003/121/08:56:10 (CD)	43.3
Cal_Diode		#003	Algeria_5	195	66	May 01, 2003	17913	2003/121/10:33:59 (CD)	56.0
L2-AS	*	#070	Houston	26	67	May 01, 2003	17917	2003/121/17:10:41 (LM)	98.4
Cal_Diode		#095	Makapuu_Pt	65	73	May 02, 2003	17934	2003/122/21:13:10 (CD)	104.8
L1B1		#012	TWP_Manus	97	92	May 03, 2003	17936	2003/123/00:38:19 (LM)	77.0
Cal_Diode		#221	Rottnest_Is	113	116	May 03, 2003	17937	2003/123/02:24:36 (CD)	19.4
L2-AS	*	TOO	13.7 °N, 100.7 °E	129	80	May 03, 2003	17938	2003/123/03:51:46 (LM)	7.6
L1B1		#054	Egypt_Desert	177	73	May 03, 2003	17941	2003/123/08:46:00 (LM)	25.1
L2-AS	*	TOO	34.2 °N, 116.9 °W	40	63	May 03, 2003	17947	2003/123/18:36:05 (LM)	6.2
Cal_Diode		#219	Amsterdam_Is	136	121	May 04, 2003	17953	2003/124/04:48:25 (CD)	27.8
Cal_Diode		#014	Ascension_Is	200	97	May 04, 2003	17957	2003/124/11:15:43 (CD)	75.2
L2-AS	*	#179	USDA_MD	15	59	May 04, 2003	17960	2003/124/16:00:15 (LM)	3.1
Cal_Diode		#171	Pacific_Trop	47	87	May 04, 2003	17962	2003/124/19:26:33 (CD)	49.6
Cal_Diode		#102	Mauna_Loa	63	75	May 04, 2003	17963	2003/124/21:01:22 (CD)	48.1
Cal_Diode		#220	Tahiti	54	104	May 05, 2003	17977	2003/125/20:16:00 (CD)	65.7
L2-AS		#040	Chesapeake	13	61	May 06, 2003	17989	2003/126/15:48:37 (LM)	117.9
L1B1	*	TOO	25.5 °S, 147.5 °E	93	111	May 07, 2003	17994	2003/127/00:20:12 (LM)	13.4

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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		#013	TWP_Nauru	84	91	May 07, 2003	18008	2003/127/23:17:41 (LM)	19.8
Cal_Diode		#089	Libya_1	187	71	May 09, 2003	18029	2003/129/09:46:28 (CD)	11.6
Cal_Diode		#166	Pacific_Temp	50	67	May 09, 2003	18035	2003/129/19:38:20 (CD)	145.5
L2-AS	*	#070	Houston	25	67	May 10, 2003	18048	2003/130/17:04:45 (LM)	42.3
L2-AS		#079	JPL	41	63	May 10, 2003	18049	2003/130/18:42:21 (LM)	23.3
L1B1		#091	London	201	49	May 11, 2003	18059	2003/131/11:06:25 (LM)	30.1
L1A		#140	Salar	233	107	May 11, 2003	18061	2003/131/14:44:02 (LM)	4.9
Cal_Diode		#109	MOBY_Buoy	64	74	May 11, 2003	18065	2003/131/21:07:18 (CD)	16.3
L2-AS		#012	TWP_Manus	96	92	May 12, 2003	18067	2003/132/00:32:21 (LM)	85.1
Cal_Diode		#002	Algeria_3	192	66	May 12, 2003	18073	2003/132/10:15:44 (CD)	43.0
Cal_Diode		#157	Pacific_S	39	127	May 12, 2003	18078	2003/132/18:51:05 (CD)	28.0
L2-AS		#040	Chesapeake	14	61	May 13, 2003	18091	2003/133/15:54:46 (LM)	20.6
L1B1	*	TOO	25.5 °S, 147.5 °E	94	111	May 14, 2003	18096	2003/134/00:26:22 (LM)	142.8
L1B1		#013	TWP_Nauru	85	91	May 14, 2003	18110	2003/134/23:23:52 (LM)	152.4
L2-AS	*	#009	SGP_Lamont	28	61	May 15, 2003	18121	2003/135/17:21:24 (LM)	16.9
L2-AS	*	#112	MontereyBay	44	61	May 15, 2003	18122	2003/135/19:00:13 (LM)	38.4
L1B1	*	#223	Carnarvon	92	111	May 16, 2003	18125	2003/136/00:14:13 (LM)	159.5
L1B1		#205	Plymouth	204	50	May 16, 2003	18132	2003/136/11:25:14 (LM)	47.1

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Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_Diode		#204	Egypt_1	179	69	May 17, 2003	18145	2003/137/08:56:23 (CD)	34.4
Cal_Diode		#003	Algeria_5	195	66	May 17, 2003	18146	2003/137/10:34:12 (CD)	47.4
L2-AS	*	#070	Houston	26	67	May 17, 2003	18150	2003/137/17:10:54 (LM)	107.0
Cal_Diode		#095	Makapuu_Pt	65	73	May 18, 2003	18167	2003/138/21:13:22 (CD)	113.8
L2-AS		#012	TWP_Manus	97	92	May 19, 2003	18169	2003/139/00:38:31 (LM)	86.5
Cal_Diode		#221	Rottnest_Is	113	116	May 19, 2003	18170	2003/139/02:24:48 (CD)	27.6
L2-AS	*	#222	Bangkok	129	80	May 19, 2003	18171	2003/139/03:51:58 (LM)	16.5
L2-AS		#054	Egypt_Desert	177	73	May 19, 2003	18174	2003/139/08:46:11 (LM)	34.1
Cal_Diode		#219	Amsterdam_Is	136	121	May 20, 2003	18186	2003/140/04:48:36 (CD)	20.4
Cal_Diode		#014	Ascension_Is	200	97	May 20, 2003	18190	2003/140/11:15:54 (CD)	66.2
L2-AS	*	#179	USDA_MD	15	59	May 20, 2003	18193	2003/140/16:00:26 (LM)	3.1
Cal_Diode		#171	Pacific_Trop	47	87	May 20, 2003	18195	2003/140/19:26:43 (CD)	40.4
Cal_Diode		#102	Mauna_Loa	63	75	May 20, 2003	18196	2003/140/21:01:32 (CD)	56.9
Cal_Diode		#220	Tahiti	54	104	May 21, 2003	18210	2003/141/20:16:09 (CD)	74.0
L2-AS		#040	Chesapeake	13	61	May 22, 2003	18222	2003/142/15:48:46 (LM)	110.8
L1B1	*	#223	Carnarvon	93	111	May 23, 2003	18227	2003/143/00:20:21 (LM)	5.8
L2-AS		#013	TWP_Nauru	84	91	May 23, 2003	18241	2003/143/23:17:50 (LM)	11.8
Cal_Diode		#089	Libya_1	187	71	May 25, 2003	18262	2003/145/09:46:36 (CD)	5.4

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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 25, 2003	18268	2003/145/19:38:27 (CD)	138.7
L2-AS	*	#070	Houston	25	67	May 26, 2003	18281	2003/146/17:04:51 (LM)	35.7
L2-AS		#079	JPL	41	63	May 26, 2003	18282	2003/146/18:42:28 (LM)	29.0
L1B1		#091	London	201	49	May 27, 2003	18292	2003/147/11:06:31 (LM)	25.7
L1A		#140	Salar	233	107	May 27, 2003	18294	2003/147/14:44:08 (LM)	2.2
Cal_Diode		#109	MOBY_Buoy	64	74	May 27, 2003	18298	2003/147/21:07:24 (CD)	22.5
L2-AS		#012	TWP_Manus	96	92	May 28, 2003	18300	2003/148/00:32:27 (LM)	78.2
Cal_Diode		#002	Algeria_3	192	66	May 28, 2003	18306	2003/148/10:15:49 (CD)	49.1
Cal_Diode		#157	Pacific_S	39	127	May 28, 2003	18311	2003/148/18:51:10 (CD)	23.4
Cal_North		---	29.6 °N, 175.1 °E	199	---	May 29, 2003	18321	2003/149/10:31:10 (CN)	---
Cal_South		---	64.5 °S, 81.9 °W	231	---	May 29, 2003	18323	2003/149/14:48:34 (CS)	---
L2-AS		#040	Chesapeake	14	61	May 29, 2003	18324	2003/149/15:54:50 (LM)	26.2
Cal_Dark		---	26.2 °S, 64.0 °E	30	---	May 29, 2003	18325	2003/149/18:30:16 (DK)	---
L1B1	*	#223	Carnarvon	94	111	May 30, 2003	18329	2003/150/00:26:26 (LM)	148.4
L2-AS		#013	TWP_Nauru	85	91	May 30, 2003	18343	2003/150/23:23:55 (LM)	158.3
L2-AS	*	#009	SGP_Lamont	28	61	May 31, 2003	18354	2003/151/17:21:27 (LM)	21.4
L2-AS	*	#112	MontereyBay	44	61	May 31, 2003	18355	2003/151/19:00:15 (LM)	43.4

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 month continues to have many more Cal\_Diode events than is usual. They are being taken over dark water and/or islands, to support MISR radiometric calibration over low light scenes.

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