

INTEROFFICE MEMORANDUM

THIS UPDATE: May 27, 2003
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **June 2003**
 FILENAME: /data/MISR_Project/LM/0306_requests.fm

This is the June 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 May 19, 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 not a Cal_dark sequence in June.

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: June 2003 Requests

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1	*	#223	Carnarvon	92	111	June 01, 2003	18358	2003/152/00:14:16 (LM)	154.5
L1B1		#205	Plymouth	204	50	June 01, 2003	18365	2003/152/11:25:16 (LM)	51.5
Cal_Diode		#204	Egypt_1	179	69	June 02, 2003	18378	2003/153/08:56:25 (CD)	30.0
Cal_Diode		#003	Algeria_5	195	66	June 02, 2003	18379	2003/153/10:34:13 (CD)	42.8
L2-AS	*	#070	Houston	26	67	June 02, 2003	18383	2003/153/17:10:55 (LM)	111.5
L1B1		#012	TWP_Manus	97	92	June 03, 2003	18402	2003/155/00:38:31 (LM)	91.1
L2-AS	*	#222	Bangkok	129	80	June 03, 2003	18404	2003/155/03:51:58 (LM)	21.1
L1B1		#054	Egypt_Desert	177	73	June 03, 2003	18407	2003/155/08:46:11 (LM)	38.4
L2-AS	*	#179	USDA_MD	15	59	June 04, 2003	18426	2003/156/16:00:25 (LM)	5.8
L2-AS	*	#040	Chesapeake	13	61	June 07, 2003	18455	2003/158/15:48:44 (LM)	108.5
L1B1	*	#223	Carnarvon	93	111	June 08, 2003	18460	2003/159/00:20:18 (LM)	2.2
L2-AS		#013	TWP_Nauru	84	91	June 08, 2003	18474	2003/159/23:17:46 (LM)	9.1
Cal_Diode		#089	Libya_1	187	71	June 10, 2003	18495	2003/161/09:46:31 (CD)	3.1
Cal_Diode		#166	Pacific_Temp	50	67	June 10, 2003	18501	2003/161/19:38:22 (CD)	136.7
L2-AS	*	#070	Houston	25	67	June 11, 2003	18514	2003/162/17:04:46 (LM)	34.0
L2-AS		#079	JPL	41	63	June 11, 2003	18515	2003/162/18:42:22 (LM)	31.0
L1B1		#091	London	201	49	June 12, 2003	18525	2003/163/11:06:26 (LM)	26.6

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Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1A		#140	Salar	233	107	June 12, 2003	18527	2003/163/14:44:02 (LM)	3.1
Cal_Diode		#109	MOBY_Buoy	64	74	June 12, 2003	18531	2003/163/21:02:18 (CD)	23.9
L2-AS		#012	TWP_Manus	96	92	June 13, 2003	18533	2003/164/00:32:21 (LM)	76.6
Cal_Diode		#002	Algeria_3	192	66	June 13, 2003	18539	2003/164/10:15:43 (CD)	50.1
L2-AS	*	#040	Chesapeake	14	61	June 14, 2003	18557	2003/165/15:54:43 (LM)	26.9
L1B1	*	#223	Carnarvon	94	111	June 15, 2003	18562	2003/166/00:26:18 (LM)	149.6
L1B1		#013	TWP_Nauru	85	91	June 15, 2003	18576	2003/166/23:23:47 (LM)	159.0
L2-AS	*	#009	SGP_Lamont	28	61	June 16, 2003	18587	2003/167/17:21:18 (LM)	22.3
L1B1	*	#223	Carnarvon	92	111	June 17, 2003	18591	2003/168/00:14:07 (LM)	154.2
L1B1		#205	Plymouth	204	50	June 18, 2003	18598	2003/168/11:25:07 (LM)	51.8
Cal_Diode		#204	Egypt_1	179	69	June 18, 2003	18611	2003/169/08:56:15 (CD)	29.7
Cal_Diode		#003	Algeria_5	195	66	June 18, 2003	18612	2003/169/10:34:04 (CD)	42.9
L2-AS	*	#070	Houston	26	67	June 18, 2003	18616	2003/169/17:10:45 (LM)	111.6
L1B1	*	#042	Chilbolton	202	49	June 19, 2003	18627	2003/170/11:12:35 (LM)	2.2
L2-AS		#012	TWP_Manus	97	92	June 20, 2003	18635	2003/171/00:38:21 (LM)	90.6
L2-AS		#054	Egypt_Desert	177	73	June 20, 2003	18640	2003/171/08:46:01 (LM)	37.7
L2-AS	*	#040	Chesapeake	15	61	June 21, 2003	18659	2003/172/16:00:41 (LM)	160.0
L2-AS	*	#040	Chesapeake	13	61	June 23, 2003	18688	2003/174/15:48:31 (LM)	109.1

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Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1	*	#223	Carnarvon	93	111	June 24, 2003	18693	2003/175/00:20:05 (LM)	4.4
L2-AS		#013	TWP_Nauru	84	91	June 24, 2003	18707	2003/175/23:17:33 (LM)	10.3
Cal_Diode		#089	Libya_1	187	71	June 26, 2003	18728	2003/177/09:46:17 (CD)	4.4
Cal_Diode		#166	Pacific_Temp	50	67	June 26, 2003	18734	2003/177/19:38:08 (CD)	138.8
L2-AS	*	#070	Houston	25	67	June 26, 2003	18747	2003/178/17:04:31 (LM)	36.1
L2-AS		#079	JPL	41	63	June 27, 2003	18748	2003/178/18:42:07 (LM)	28.9
L1B1		#091	London	201	49	June 28, 2003	18758	2003/179/11:06:10 (LM)	26.6
L1A		#140	Salar	233	107	June 28, 2003	18760	2003/179/14:43:46 (LM)	2.2
Cal_Diode		#109	MOBY_Buoy	64	74	June 28, 2003	18764	2003/179/21:07:03 (LM)	21.6
L2-AS		#012	TWP_Manus	96	92	June 29, 2003	18766	2003/180/00:32:05 (LM)	79.5
Cal_Diode		#002	Algeria_3	192	66	June 29 2003	18772	2003/180/10:15:27 (CD)	47.5
L2-AS	*	#040	Chesapeake	14	61	June 30, 2003	18790	2003/181/15:54:26 (LM)	24.7

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.