

INTEROFFICE MEMORANDUM

THIS UPDATE: October 7, 2004
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **October 2004**
 FILENAME: /data/MISR_Project/LM/0410_requests.fm

This is the October 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 September 21, 2004. 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 not a Cal_dark sequence in October.

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: October 2004 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#234	Bahrain	164	70	October 01, 2004	25469	2004/275/07:23:40 (LM)	112.3
L2-AS		#105	Mexico_City	27	75	October 01, 2004	25475	2004/275/17:18:49 (LM)	147.9
L2-AS	*	#242	EastGulfOman	155	72	October 02 2004	25483	2004/276/06:28:56 (LM)	160.0
Cal_Diode		#089	Libya_1	187	71	October 02, 2004	25485	2004/276/09:45:26 (CD)	3.8
Cal_Diode		#166	Pacific_Temp	50	67	October 02, 2004	25491	2004/276/19:37:18 (CD)	137.6
L2-AS	*	#233	Qatar	162	70	October 03, 2004	25498	2004/277/07:11:38 (LM)	61.2
L2-AS	*	#070	Houston	25	67	October 03, 2004	25504	2004/277/17:03:41 (LM)	34.4
L2-AS		#079	JPL	41	63	October 03, 2004	25505	2004/277/18:41:17 (LM)	30.6
L1B1		#091	London	201	49	October 04, 2004	25515	2004/278/11:05:21 (LM)	26.4
L1A		#140	Salar	233	107	October 04, 2004	25517	2004/278/14:42:57 (LM)	3.1
L2-AS		#179	USDA_MD	16	59	October 04, 2004	25518	2004/278/16:05:19 (LM)	137.2
Cal_Diode		#109	MOBY_Buoy	64	74	October 04, 2004	25521	2004/278/21:06:13 (CD)	23.7
L2-AS		#012	TWP_Manus	96	92	October 05, 2004	25523	2004/279/00:31:16 (LM)	77.1
L2-AS	*	#243	UAE_Desert	160	71	October 05, 2004	25527	2004/279/06:59:37 (LM)	5.8
Cal_Diode		#002	Algeria_3	192	66	October 05, 2004	25529	2004/279/10:14:38 (CD)	49.9
L2-AS	*	#040	Chesapeake	14	61	October 06, 2004	25547	2004/280/15:53:38 (LM)	26.8
L2-AS	*	#240	Gulf_of_Oman	158	71	October 07, 2004	25556	2004/281/06:46:57 (LM)	57.3
L2-AS	*	#244	Lampedusa	190	62	October 07, 2004	25558	2004/281/10:01:42 (LM)	84.2
L2-AS		#013	TWP_Nauru	85	91	October 07, 2004	25566	2004/281/23:22:42 (LM)	158.7

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Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#236	SolarVillage	165	71	October 08, 2004	25571	2004/282/07:30:15 (LM)	106.9
L2-AS	*	#242	EastGulfOman	156	72	October 09, 2004	25585	2004/283/06:34:56 (LM)	7.0
L1B1		#205	Plymouth	204	50	October 09, 2004	25588	2004/283/11:24:03 (LM)	49.7
L2-AS	*	#233	Qatar	163	70	October 10, 2004	25600	2004/284/07:17:38 (LM)	90.4
Cal_Diode	*	#204	Egypt_1	179	69	October 10, 2004	25601	2004/284/08:55:10 (CD)	29.9
Cal_Diode		#003	Algeria_5	195	66	October 10, 2004	25602	2004/284/10:32:59 (CD)	43.1
L2-AS	*	#070	Houston	26	67	October 10, 2004	25606	2004/284/17:09:41 (LM)	111.0
L2-AS		#012	TWP_Manus	97	92	October 12, 2004	25625	2004/286/00:37:16 (LM)	90.4
L2-AS	*	#232	Ar_Ruways	161	71	October 12, 2004	25629	2004/286/07:05:40 (LM)	67.5
L1B1		#054	Egypt_Desert	177	73	October 12, 2004	25630	2004/286/08:44:56 (LM)	37.5
L2-AS	*	#040	Chesapeake	15	61	October 13, 2004	25649	2004/287/15:59:36 (LM)	160.8
L2-AS	*	#241	Saih_Salem	159	71	October 14, 2004	25658	2004/288/06:53:08 (LM)	142.9
L2-AS	*	#236	SolarVillage	166	71	October 15, 2004	25673	2004/289/07:36:14 (LM)	44.9
L2-AS	*	#040	Chesapeake	13	61	October 15, 2004	25678	2004/289/15:47:26 (LM)	108.8
L2-AS	*	#242	EastGulfOman	157	72	October 16, 2004	25687	2004/290/06:40:55 (LM)	147.4
L2-AS	*	#244	Lampedusa	189	62	October 16, 2004	25689	2004/290/09:55:30 (LM)	53.7
L2-AS		#013	TWP_Nauru	84	91	October 16, 2004	25697	2004/290/23:16:28 (LM)	10.8
L2-AS	*	#234	Bahrain	164	70	October 17, 2004	25702	2004/291/07:23:27 (LM)	111.5
L2-AS		#105	Mexico_City	27	75	October 17, 2004	25708	2004/291/17:18:36 (LM)	146.9
L2-AS	*	#242	EastGulfOman	155	72	October 18, 2004	25716	2004/292/06:28:43 (LM)	161.2

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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		#089	Libya_1	187	71	October 18, 2004	25718	2004/292/09:45:13 (CD)	4.9
L1B1	*	#246	W_Barbuda_Is	2	77	October 18, 2004	25721	2004/292/14:44:44 (LM)	100.1
Cal_Diode		#166	Pacific_Temp	50	67	October 18, 2004	25724	2004/292/19:37:04 (CD)	138.5
L2-AS	*	#232	Ar_Ruways	162	71	October 19, 2004	25731	2004/293/07:11:38 (LM)	85.1
L2-AS	*	#070	Houston	25	67	October 19, 2004	25737	2004/293/17:03:27 (LM)	35.7
L2-AS		#079	JPL	41	63	October 19, 2004	25738	2004/293/18:41:03 (LM)	29.3
L1B1		#091	London	201	49	October 20, 2004	25748	2004/294/11:05:06 (LM)	26.2
L1B1	*	#245	E_Barbuda_Is	233	77	October 20, 2004	25750	2004/294/14:32:20 (LM)	109.8
L2-AS		#179	USDA_MD	16	59	October 20, 2004	25751	2004/294/16:05:05 (LM)	135.4
Cal_Diode		#109	MOBY_Buoy	64	74	October 20, 2004	25754	2004/294/21:05:58 (CD)	22.2
L2-AS		#012	TWP_Manus	96	92	October 21, 2004	25756	2004/295/00:31:01 (LM)	78.9
L2-AS	*	#243	UAE_Desert	160	71	October 21, 2004	25760	2004/295/06:59:22 (LM)	7.3
Cal_Diode		#002	Algeria_3	192	66	October 21, 2004	25762	2004/295/10:14:23 (CD)	48.2
L2-AS	*	#040	Chesapeake	14	61	October 22, 2004	25780	2004/296/15:53:22 (LM)	25.7
L2-AS	*	#240	Gulf_of_Oman	158	71	October 23, 2004	25789	2004/297/06:46:41 (LM)	59.3
L1B1	*	#244	Lampedusa	190	62	October 23, 2004	25791	2004/297/10:01:26 (LM)	82.4
L2-AS		#013	TWP_Nauru	85	91	October 23, 2004	25799	2004/297/23:22:26 (LM)	156.2
L2-AS	*	#236	SolarVillage	165	71	October 24, 2004	25804	2004/298/07:29:59 (LM)	109.3
L2-AS	*	#242	EastGulfOman	156	72	October 25, 2004	25818	2004/299/06:34:40 (LM)	8.8
L1B1		#205	Plymouth	204	50	October 25, 2004	25821	2004/299/11:23:46 (LM)	47.9

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Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#246	W_Barbuda_Is	3	76	October 25, 2004	25823	2004/299/14:50:41 (LM)	58.9
L2-AS	*	#233	Qatar	163	70	October 26, 2004	25833	2004/300/07:17:20 (LM)	88.0
Cal_Diode		#204	Egypt_1	179	69	October 26, 2004	25834	2004/300/08:54:53 (CD)	32.6
Cal_Diode		#003	Algeria_5	195	66	October 26, 2004	25835	2004/300/10:32:42 (CD)	45.9
L2-AS	*	#070	Houston	26	67	October 26, 2004	25839	2004/300/17:09:23 (LM)	107.7
L1B1	*	#245	E_Barbuda_Is	1	76	October 27, 2004	25852	2004/301/14:38:18 (LM)	48.3
L2-AS		#012	TWP_Manus	97	92	October 28, 2004	25858	2004/302/00:36:58 (LM)	87.2
L2-AS	*	#232	Ar_Ruways	161	71	October 28, 2004	25862	2004/302/07:05:23 (LM)	71.5
L1B1		#054	Egypt_Desert	177	73	October 28, 2004	25863	2004/302/08:44:38 (LM)	33.6
L2-AS	*	#040	Chesapeake	15	61	October 29, 2004	25882	2004/303/15:59:18 (LM)	156.0
L2-AS	*	#241	Saih_Salem	159	71	October 30, 2004	25891	2004/304/06:52:50 (LM)	147.9
L2-AS	*	#236	SolarVillage	166	71	October 31, 2004	25906	2004/305/07:35:56 (LM)	39.8
L2-AS	*	#040	Chesapeake	13	61	October 31, 2004	25911	2004/305/15:47:09 (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 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.