

INTEROFFICE MEMORANDUM

THIS UPDATE: September 16, 2004
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **September 2004**
 FILENAME: /data/MISR_Project/LM/0409_requests.fm

This is the September 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 August 23, 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 September.

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: September 2004 Requests

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#233	Qatar	162	70	September 01, 2004	25032	2004/245/07:11:24 (LM)	66.2
L2-AS	*	#070	Houston	25	67	September 01, 2004	25038	2004/245/17:03:50 (LM)	39.5
L2-AS		#079	JPL	41	63	September 01, 2004	25039	2004/245/18:41:26 (LM)	25.8
L1B1		#091	London	201	49	September 02, 2004	25049	2004/246/11:05:30 (LM)	29.8
L1A		#140	Salar	233	107	September 02, 2004	25051	2004/246/14:43:06 (LM)	2.2
Cal_Diode		#109	MOBY_Buoy	64	74	September 02, 2004	25055	2004/246/21:06:23 (CD)	18.9
L2-AS		#012	TWP_Manus	96	92	September 03, 2004	25057	2004/247/00:31:25 (LM)	81.8
L2-AS	*	#231	Al_Qurayni	160	73	September 03, 2004	25061	2004/247/07:00:19 (LM)	56.9
L2-AS	*	#237	Adriatic_Sea	192	54	September 03, 2004	25063	2004/247/10:11:32 (LM)	107.0
L2-AS	*	#040	Chesapeake	14	61	September 04, 2004	25081	2004/248/15:53:49 (LM)	23.1
L2-AS	*	#240	Gulf_of_Oman	158	71	September 05, 2004	25090	2004/249/06:47:08 (LM)	60.9
L2-AS	*	#237	Adriatic_Sea	190	55	September 05, 2004	25092	2004/249/09:59:27 (LM)	134.6
L2-AS		#013	TWP_Nauru	85	91	September 05, 2004	25100	2004/249/23:22:54 (LM)	154.9
L2-AS	*	#236	SolarVillage	165	71	September 06, 2004	25105	2004/250/07:30:27 (LM)	110.2
L2-AS	*	#238	Romania	181	55	September 06, 2004	25106	2004/250/09:03:59 (LM)	21.1
L1B1		#205	Plymouth	204	50	September 07, 2004	25122	2004/251/11:24:16 (LM)	48.0
L2-AS	*	#233	Qatar	163	70	September 08, 2004	25134	2004/252/07:17:52 (LM)	87.7
L2-AS	*	#239	Black_Sea	179	55	September 08, 2004	25135	2004/252/08:51:29 (LM)	134.7
Cal_Diode		#003	Algeria_5	195	66	September 08, 2004	25136	2004/252/10:33:13 (CD)	32.6

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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	*	#070	Houston	26	67	September 08, 2004	25140	2004/252/17:09:55 (LM)	108.7
L2-AS		#012	TWP_Manus	97	92	September 10, 2004	25159	2004/254/00:37:32 (LM)	88.3
L2-AS	*	#232	Ar_Ruways	161	71	September 10, 2004	25163	2004/254/07:05:56 (LM)	69.6
L1B1		#054	Egypt_Desert	177	73	September 10, 2004	25164	2004/254/08:45:12 (LM)	35.5
L2-AS	*	#040	Chesapeake	15	61	September 11, 2004	25183	2004/255/15:59:53 (LM)	159.5
L2-AS	*	#241	Saih_Salem	159	71	September 12, 2004	25192	2004/256/06:53:26 (LM)	144.4
L2-AS	*	#237	Adriatic_Sea	191	54	September 12, 2004	25194	2004/256/10:05:30 (LM)	12.2
L2-AS	*	#236	SolarVillage	166	71	September 13, 2004	25207	2004/257/07:36:33 (LM)	43.9
L2-AS	*	#238	Romania	182	55	September 13, 2004	25208	2004/257/09:10:02 (LM)	102.7
L2-AS	*	#040	Chesapeake	13	61	September 13, 2004	25212	2004/257/15:47:46 (LM)	110.5
L2-AS	*	#242	EastGulfOman	157	72	September 14, 2004	25221	2004/258/06:41:14 (LM)	146.3
L2-AS		#013	TWP_Nauru	84	91	September 14, 2004	25231	2004/258/23:16:49 (LM)	10.8
L2-AS	*	#234	Bahrain	164	70	September 15, 2004	25236	2004/259/07:23:47 (LM)	111.3
Cal_North		---	49.6 °N, 173.3 °E	196	---	September 15, 2004	25238	2004/259/10:16:43 (CN)	---
Cal_South		---	81.1 °S, 151.4 °W	11	---	September 15, 2004	25241	2004/259/16:13:27 (CS)	---
Cal_Dark		---	24.1 °S, 68.2 °E	27	--	September 15, 2004	25242	2004/259/18:10:44 (DK)	---
L2-AS		#242	EastGulfOman	155	72	September 16, 2004	25250	2004/260/06:29:03 LM)	161.5
Cal_Diode		#089	Libya_1	187	71	September 16, 2004	25252	2004/260/09:45:34 (CD)	4.4
Cal_Diode		#166	Pacific_Temp	50	67	September 16, 2004	25258	2004/260/19:37:26 (CD)	138.4
L2-AS	*	#232	Ar_Ruways	162	71	September 17, 2004	25265	2004/261/07:12:01 (LM)	85.2

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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	*	#070	Houston	25	67	September 17, 2004	25271	2004/261/17:03:50 (LM)	35.4
L2-AS		#079	JPL	41	63	September 17, 2004	25272	2004/261/18:41:26 (LM)	29.7
L1B1		#091	London	201	49	September 18, 2004	25282	2004/262/11:05:30 (LM)	26.9
L1A		#140	Salar	233	107	September 18, 2004	25284	2004/262/14:43:06 (LM)	3.1
Cal_Diode		#109	MOBY_Buoy	64	74	September 18, 2004	25288	2004/262/21:06:22 (CD)	23.2
L2-AS		#012	TWP_Manus	96	92	September 19, 2004	25290	2004/263/00:31:25 (LM)	77.7
L2-AS	*	#243	UAE_Desert	160	71	September 19, 2004	25294	2004/263/06:59:46 (LM)	7.6
Cal_Diode		#002	Algeria_3	192	66	September 19, 2004	25296	2004/263/10:14:48 (CD)	49.0
L2-AS	*	#040	Chesapeake	14	61	September 20, 2004	25314	2004/264/15:53:48 (LM)	26.6
L2-AS	*	#240	Gulf_of_Oman	158	71	September 21, 2004	25323	2004/265/06:47:07 (LM)	57.5
L1B1		#244	Lampedusa	190	62	September 21, 2004	25325	2004/265/10:01:51 (LM)	83.7
L2-AS		#013	TWP_Nauru	85	91	September 21, 2004	25333	2004/265/23:22:53 (LM)	158.6
L2-AS	*	#236	SolarVillage	165	71	September 22, 2004	25338	2004/266/07:30:26 (LM)	107.0
L2-AS	*	#242	EastGulfOman	156	72	September 23, 2004	25352	2004/267/06:35:07 (LM)	7.0
L1B1		#205	Plymouth	204	50	September 23, 2004	25355	2004/267/11:24:14 (LM)	50.3
L2-AS	*	#233	Qatar	163	70	September 24, 2004	25367	2004/268/07:17:49 (LM)	90.9
Cal_Diode		#204	Egypt_1	179	69	September 24, 2004	25368	2004/268/08:55:22 (CD)	29.7
Cal_Diode		#003	Algeria_5	195	66	September 24, 2004	25369	2004/268/10:33:11 (CD)	43.0
L2-AS	*	#070	Houston	26	67	September 24, 2004	25373	2004/268/17:09:52 (LM)	111.7
L2-AS		#012	TWP_Manus	97	92	September 26, 2004	25392	2004/270/00:37:29 (LM)	91.2

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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	*	#232	Ar_Ruways	161	71	September 26, 2004	25396	2004/270/07:05:53 (LM)	66.9
L1B1		#054	Egypt_Desert	177	73	September 26, 2004	25397	2004/270/08:45:09 (LM)	38.2
L2-AS	*	#040	Chesapeake	15	61	September 27, 2004	25416	2004/271/15:59:49 (LM)	161.7
L2-AS	*	#241	Saih_Salem	159	71	September 28, 2004	25425	2004/272/06:53:22 (LM)	142.1
L2-AS	*	#236	SolarVillage	166	71	September 29, 2004	25440	2004/273/07:36:28 (LM)	46.1
L2-AS	*	#040	Chesapeake	13	61	September 29, 2004	25445	2004/273/15:47:41 (LM)	108.3
L2-AS	*	#242	EastGulfOman	157	72	September 30, 2004	25454	2004/274/06:41:09 (LM)	148.3
L1B1	*	\$244	Lampedusa	189	62	September 30, 2004	25456	2004/274/09:55:43 (LM)	52.3
L2-AS		#013	TWP_Nauru	84	91	September 30, 2004	25464	2004/274/23:16:43 (LM)	9.3

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.