

INTEROFFICE MEMORANDUM

THIS UPDATE: August 16, 2004
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **August 2004**
 FILENAME: /data/MISR_Project/LM/0408_requests.fm

This is the August 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 July 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 not a Cal_dark sequence in August.

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: August 2004 Requests

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#091	London	201	49	August 01, 2004	24583	2004/214/11:05:48 (LM)	28.1
L1A		#140	Salar	233	107	August 01, 2004	24585	2004/214/14:43:24 (LM)	2.2
Cal_Diode		#109	MOBY_Buoy	64	74	August 01, 2004	24589	2004/214/21:01:41 (CD)	19.8
L2-AS		#012	TWP_Manus	96	92	August 02, 2004	24591	2004/215/00:31:44 (LM)	80.8
L2-AS	*	#230	Al_Dhafra	160	71	August 02, 2004	24595	2004/215/07:00:00 (LM)	58.0
Cal_Diode		#002	Algeria_3	192	66	August 02, 2004	24597	2004/215/10:15:06 (CD)	106.9
L2-AS	*	#226	Cont_Shelf	7	56	August 02, 2004	24600	2004/215/15:09:19 (LM)	46.1
L2-AS	*	#040	Chesapeake	14	61	August 03, 2004	24615	2004/216/15:54:06 (LM)	23.1
L2-AS	*	#240	Gulf_of_Oman	158	71	August 04, 2004	24624	2004/217/06:47:25 (LM)	61.1
L2-AS		#013	TWP_Nauru	85	91	August 04, 2004	24634	2004/217/23:23:10 (LM)	154.8
L2-AS	*	#236	SolarVillage	165	71	August 05, 2004	24639	2004/218/07:30:43 (LM)	110.7
L2-AS	*	#225	Gulf_ofMaine	12	56	August 05, 2004	24644	2004/218/15:39:52 (LM)	157.1
L1B1		#205	Plymouth	204	50	August 06, 2004	24656	2004/219/11:24:31 (LM)	46.7
L2-AS	*	#233	Qatar	163	70	August 07, 2004	24668	2004/220/07:18:06 (LM)	86.7
Cal_Diode		#204	Egypt_1	179	69	August 07, 2004	24669	2004/220/08:55:38 (CD)	33.8
Cal_Diode		#003	Algeria_5	195	66	August 07, 2004	24670	2004/220/10:33:27 (CD)	46.8
L2-AS	*	#070	Houston	26	67	August 07, 2004	24674	2004/220/17:10:09 (LM)	107.4
L2-AS		#012	TWP_Manus	97	92	August 09, 2004	24693	2004/222/00:37:44 (LM)	86.6
L2-AS	*	#232	Ar_Ruways	161	71	August 09, 2004	24697	2004/222/07:06:09 (LM)	71.5

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L1B1		#054	Egypt_Desert	177	73	August 09, 2004	24698	2004/222/08:45:24 (LM)	33.8
L2-AS	*	#226	Cont_Shelf	8	56	August 09, 2004	24702	2004/222/15:15:17 (LM)	18.1
L2-AS	*	#040	Chesapeake	15	61	August 10, 2004	24717	2004/223/16:00:05 (LM)	156.9
L2-AS	*	#241	Saih_Salem	159	71	August 11, 2004	24726	2004/224/06:53:37 (LM)	147.0
L2-AS	*	#236	SolarVillage	166	71	August 12, 2004	24741	2004/225/07:36:43 (LM)	41.0
L2-AS	*	#066	Harvard_Fst	13	57	August 12, 2004	24746	2004/225/15:46:16 (LM)	36.9
L2-AS		#013	TWP_Nauru	84	91	August 13, 2004	24765	2004/226/23:16:58 (LM)	14.4
L2-AS	*	#234	Bahrain	164	70	August 14, 2004	24770	2004/227/07:23:56 (LM)	107.5
L2-AS	*	#225	Gulf_ofMaine	11	56	August 14, 2004	24775	2004/227/15:33:42 (LM)	32.5
Cal_Diode		#089	Libya_1	187	71	August 15, 2004	24786	2004/228/09:45:42 (CD)	8.5
Cal_Diode		#166	Pacific_Temp	50	67	August 15, 2004	24792	2004/228/19:37:33 (CD)	142.2
L2-AS	*	#232	Ar_Ruways	162	71	August 16, 2004	24799	2004/229/07:12:08 (LM)	80.9
L2-AS	*	#226	Cont_Shelf	9	56	August 16, 2004	24804	2004/229/15:21:14 (LM)	105.0
L2-AS	*	#070	Houston	25	67	August 16, 2004	24805	2004/229/17:03:57 (LM)	40.0
L2-AS		#079	JPL	41	63	August 16, 2004	24806	2004/229/18:41:33 (LM)	25.3
L1B1		#091	London	201	49	August 17, 2004	24816	2004/230/11:05:36 (LM)	30.0
L1A		#140	Salar	233	107	August 17, 2004	24818	2004/230/14:43:12 (LM)	3.1
Cal_Diode		#109	MOBY_Buoy	64	74	August 17, 2004	24822	2004/230/21:06:28 (CD)	17.9
L2-AS		#012	TWP_Manus	96	92	August 18, 2004	24824	2004/231/00:31:31 (LM)	83.1
L2-AS	*	#230	Al_Dhafra	160	71	August 18, 2004	24828	2004/231/06:59:47 (LM)	60.1

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Cal_Diode		#002	Algeria_3	192	66	August 18, 2004	24830	2004/231/10:14:53 (CD)	44.1
L2-AS	*	#226	Cont_Shelf	7	56	August 18, 2004	24833	2004/231/15:09:06 (LM)	144.5
L2-AS	*	#040	Chesapeake	14	61	August 19, 2004	24848	2004/232/15:53:53 (LM)	21.0
L2-AS	*	#240	Gulf_of_Oman	158	71	August 20, 2004	24857	2004/233/06:47:11 (LM)	63.4
L2-AS	*	#237	Adriatic_Sea	190	55	August 20, 2004	24859	2004/233/09:59:30 (LM)	137.3
L2-AS		#013	TWP_Nauru	85	91	August 20, 2004	24867	2004/233/23:22:56 (LM)	151.8
L2-AS	*	#236	SolarVillage	165	71	August 21, 2004	24872	2004/234/07:30:29 (LM)	113.5
L2-AS	*	#238	Romania	181	55	August 21, 2004	24873	2004/234/09:04:01 (LM)	24.5
L2-AS	*	#225	Gulf_ofMaine	12	56	August 21, 2004	24877	2004/234/15:39:38 (LM)	154.5
L1B1		#205	Plymouth	204	50	August 22, 2004	24889	2004/235/11:24:16 (LM)	45.2
L2-AS	*	#233	Qatar	163	70	August 23, 2004	24901	2004/236/07:17:51 (LM)	83.4
L2-AS	*	#239	Black_Sea	179	55	August 23, 2004	24902	2004/236/08:51:27 (LM)	137.0
Cal_Diode		#003	Algeria_5	195	66	August 23, 2004	24903	2004/236/10:33:12 (CD)	49.9
L2-AS	*	#070	Houston	26	67	August 23, 2004	24907	2004/236/17:09:53 (LM)	104.5
L2-AS		#012	TWP_Manus	97	92	August 25, 2004	24926	2004/238/00:37:28 (LM)	82.5
L2-AS	*	#232	Ar_Ruways	161	71	August 25, 2004	24930	2004/238/07:05:52 (LM)	75.0
L1B1		#054	Egypt_Desert	177	73	August 25, 2004	24931	2004/238/08:45:08 (LM)	30.0
L2-AS	*	#226	Cont_Shelf	8	56	August 25, 2004	24935	2004/238/15:15:00 (LM)	21.0
L2-AS	*	#040	Chesapeake	15	61	August 26, 2004	24950	2004/239/15:59:47 (LM)	154.1
L2-AS	*	#241	Saih_Salem	159	71	August 27, 2004	24959	2004/240/06:53:19 (LM)	150.9

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L2-AS	*	#237	Adriatic_Sea	191	54	August 27, 2004	24961	2004/240/10:05:24 (LM)	18.5
L2-AS	*	#236	SolarVillage	166	71	August 28, 2004	24974	2004/241/07:36:24 (LM)	36.9
L2-AS	*	#238	Romania	182	55	August 28, 2004	24975	2004/241/09:09:54 (LM)	96.6
L2-AS	*	#040	Chesapeake	13	61	August 28, 2004	24979	2004/241/15:47:37 (LM)	116.8
L2-AS		#013	TWP_Nauru	84	91	August 29, 2004	24998	2004/242/23:16:38 (LM)	19.7
L2-AS	*	#234	Bahrain	164	70	August 30, 2004	25003	2004/243/07:23:36 (LM)	102.9
L2-AS	*	#239	Black_Sea	180	54	August 30, 2004	25004	2004/243/08:57:20 (LM)	17.7
Cal_Diode		#089	Libya_1	187	71	August 31, 2004	25019	2004/244/09:45:22 (CD)	29.1
Cal_Diode		#166	Pacific_Temp	50	67	August 31, 2004	25025	2004/244/19:37:13 (CD)	13.4

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.

The May Cal_South sequence was done in August after being cancelled in May. The goniometer had not homed correctly, and the problem needed studying before the acquisition was done.