JPL

Jet Propulsion Laboratory
California Institute of Technology

MISR

**Multi-angle
Imaging
Spectro-
Radiometer**

INTEROFFICE MEMORANDUM

THIS UPDATE: August 16, 2004
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **July 2004**
FILENAME: /data/MISR_Project/LM/0407_requests.fm

This is the July 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 June 21, 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 July

.

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: July 2004 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS		#012	TWP_Manus	96	92	July 01, 2004	24125	2004/183/00:31:47 (LM)	85.0
L2-AS	*	#229	Al_Fujayrah	160	70	July 01, 2004	24129	2004/183/06:59:40 (LM)	99.4
Cal_Diode		#002	Algeria_3	192	66	July 01, 2004	24131	2004/183/10:15:10 (CD)	42.5
L2-AS	*	#226	Cont_Shelf	7	56	July 01, 2004	24134	2004/183/15:09:23 (LM)	145.6
L2-AS	*	#040	Chesapeake	14	61	July 02, 2004	24149	2004/184/15:54:11 (LM)	20.4
L2-AS		#013	TWP_Nauru	85	91	July 03, 2004	24168	2004/185/23:23:17 (LM)	151.7
L2-AS	*	#236	SolarVillage	165	71	July 04, 2004	24173	2004/186/07:30:50 (LM)	113.6
L2-AS	*	#225	Gulf_ofMaine	12	56	July 04, 2004	24178	2004/186/15:39:59 (LM)	154.9
L1B1		#205	Plymouth	204	50	July 05, 2004	24190	2004/187/11:24:38 (LM)	46.6
L2-AS	*	#233	Qatar	163	70	July 06, 2004	24202	2004/188/07:18:14 (LM)	84.7
Cal_Diode		#204	Egypt_1	179	69	July 06, 2004	24203	2004/188/08:55:47 (CD)	35.8
Cal_Diode		#003	Algeria_5	195	66	July 06, 2004	24204	2004/188/10:33:36 (CD)	48.9
L2-AS	*	#071	Howland	10	54	July 06, 2004	24207	2004/188/15:27:19 (LM)	124.7
L2-AS	*	#070	Houston	26	67	July 06, 2004	24208	2004/188/17:10:18 (LM)	105.4
L2-AS		#012	TWP_Manus	97	92	July 08, 2004	24227	2004/190/00:37:55 (LM)	84.9
L2-AS	*	#232	Ar_Ruways	161	71	July 08, 2004	24231	2004/190/07:06:19 (LM)	72.9
L1B1		#054	Egypt_Desert	177	73	July 08, 2004	24232	2004/190/08:45:35 (LM)	32.3
L2-AS	*	#226	Cont_Shelf	8	56	July 08, 2004	24236	2004/190/15:15:28 (LM)	19.9
L2-AS		#040	Chesapeake	15	61	July 09, 2004	24251	2004/191/16:00:16 (LM)	156.5

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L2-AS	*	#229	Al_Fujayrah	159	70	July 10, 2004	24260	2004/192/06:53:37 (LM)	50.2
L2-AS	*	#236	SolarVillage	166	71	July 11, 2004	24275	2004/193/07:36:56 (LM)	40.6
L2-AS	*	#040	Chesapeake	13	61	July 11, 2004	24280	2004/193/15:48:09 (LM)	113.2
L2-AS		#013	TWP_Nauru	84	91	July 12, 2004	24299	2004/194/23:17:12 (LM)	14.1
L2-AS	*	#234	Bahrain	164	70	July 13, 2004	24304	2004/195/07:24:11 (LM)	107.9
L2-AS	*	#225	Gulf_ofMaine	11	56	July 13, 2004	24309	2004/195/15:33:58 (LM)	32.2
Cal_Diode		#089	Libya_1	187	71	July 14, 2004	24320	2004/196/09:45:58 (CD)	7.6
Cal_Diode		#166	Pacific_Temp	50	67	July 14, 2004	24326	2004/196/19:37:50 (CD)	141.5
L2-AS	*	#232	Ar_Ruways	162	71	July 15, 2004	24333	2004/197/07:12:25 (LM)	82.1
L2-AS	*	#226	Cont_Shelf	9	56	July 15, 2004	24338	2004/197/15:21:31 (LM)	106.6
L2-AS	*	#070	Houston	25	67	July 15, 2004	24339	2004/197/17:04:14 (LM)	38.5
L2-AS		#079	JPL	41	63	July 15, 2004	24340	2004/197/18:41:50 (LM)	26.9
L1B1		#091	London	201	49	July 16, 2004	24350	2004/198/11:05:54 (LM)	28.2
L1A		#140	Salar	233	107	July 16, 2004	24352	2004/198/14:43:30 (LM)	4.4
Cal_Diode		#109	MOBY_Buoy	64	74	July 16, 2004	24356	2004/198/21:06:47 (CD)	19.7
L2-AS		#012	TWP_Manus	96	92	July 17, 2004	24358	2004/199/00:31:50 (LM)	80.8
L2-AS	*	#229	Al_Fujayrah	160	70	July 17, 2004	24362	2004/199/06:59:43 (LM)	103.0
Cal_Diode		#002	Algeria_3	192	66	July 17, 2004	24364	2004/199/10:15:12 (CD)	46.4
L2-AS	*	#226	Cont_Shelf	7	56	July 17, 2004	24367	2004/199/15:09:26 (LM)	143.4
L2-AS	*	#040	Chesapeake	14	61	July 18, 2004	24382	2004/200/15:54:13 (LM)	23.9

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Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_North		---	31.0 °N, 163.9 °E	206	---	July 19, 2004	24394	2004/201/11:13:44 (CN)	---
Cal_South		---	65.8 °S, 94.0 °W	5	---	July 19, 2004	24396	2004/201/15:31:23 (CS)	---
Cal_Dark		---	25.3 °N, 76.9 °E	21	---	July 19, 2004	24397	2004/201/17:34:06 (DK)	---
L2-AS		#013	TWP_Nauru	85	91	July 19, 2004	24401	2004/201/23:23:18 (LM)	155.5
L2-AS	*	#236	SolarVillage	165	71	July 20, 2004	24406	2004/202/07:30:52 (LM)	110.2
L2-AS	*	#225	Gulf_ofMaine	12	56	July 20, 2004	24411	2004/202/15:40:01 (LM)	157.4
L1B1		#205	Plymouth	204	50	July 21, 2004	24423	2004/203/11:24:40 (LM)	48.1
L2-AS	*	#233	Qatar	163	70	July 22, 2004	24435	2004/204/07:18:16 (LM)	87.8
Cal_Diode		#204	Egypt_1	179	69	July 22, 2004	24436	2004/204/08:55:48 (CD)	32.6
Cal_Diode		#003	Algeria_5	195	66	July 22, 2004	24437	2004/204/10:33:37 (CD)	45.6
L2-AS	*	#225	Gulf_ofMaine	10	56	July 22, 2004	24440	2004/204/15:27:54 (LM)	91.5
L2-AS	*	#070	Houston	26	67	July 22, 2004	24441	2004/204/17:10:19 (LM)	108.7
L2-AS		#012	TWP_Manus	97	92	July 24, 2004	24460	2004/206/00:37:56 (LM)	88.5
L2-AS	*	#232	Ar_Ruways	161	71	July 24, 2004	24464	2004/206/07:06:20 (LM)	69.7
L1B1		#054	Egypt_Desert	177	73	July 24, 2004	24465	2004/206/08:45:36 (LM)	35.3
L2-AS	*	#226	Cont_Shelf	8	56	July 24, 2004	24469	2004/206/15:15:29 (LM)	17.6
L2-AS	*	#040	Chesapeake	15	61	July 25, 2004	24484	2004/207/16:00:17 (LM)	159.0
L2-AS	*	#229	Al_Fujayrah	159	70	July 26, 2004	24493	2004/208/06:53:38 (LM)	47.4
L2-AS	*	#236	SolarVillage	166	71	July 27, 2004	24508	2004/209/07:36:56 (LM)	43.7
L2-AS	*	#061	Harvard_Fst	13	57	July 27, 2004	24513	2004/209/15:46:28 (LM)	38.7

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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	July 28, 2004	24532	2004/210/23:17:12 (LM)	11.4
L2-AS	*	#234	Bahrain	164	70	July 29, 2004	24537	2004/211/07:24:11 (LM)	110.7
L2-AS	*	#225	Gulf_ofMaine	11	56	July 29, 2004	24542	2004/211/15:33:57 (LM)	35.6
Cal_Diode		#089	Libya_1	187	71	July 30, 2004	24553	2004/212/09:45:58 (CD)	4.9
Cal_Diode		#166	Pacific_Temp	50	67	July 30, 2004	24559	2004/212/19:37:49 (CD)	138.7
L2-AS	*	#232	Ar_Ruways	162	71	July 31, 2004	24566	2004/213/07:12:25 (LM)	84.6
L2-AS	*	#226	Cont_Shelf	9	56	July 31, 2004	24571	2004/213/15:21:31 (LM)	108.0
L2-AS	*	#070	Houston	25	67	July 31, 2004	24572	2004/213/17:04:14 (LM)	36.3
L2-AS		#079	JPL	41	63	July 31, 2004	24573	2004/213/18:41:50 (LM)	28.8

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