

INTEROFFICE MEMORANDUM

THIS UPDATE: May 24, 2005
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **April 2005**
 FILENAME: /data/MISR_Project/LM/0504_requests.fm

This is the April 2005 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 March 20, 2005. 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 April.

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: April 2005 Requests

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#250	Sudd	174	84	April 01, 2005	28120	2005/091/08:30:51 (LM)	72.4
L2-AS		#013	TWP_Nauru	85	91	April 01, 2005	28129	2005/091/23:23:08 (LM)	153.1
L1B1		#249	RessacaBrzl	229	93	April 02, 2005	28138	2005/092/14:13:48 (LM)	32.0
L1B1		#257	Tumbarumba	92	119	April 03, 2005	28144	2005/093/00:16:05 (LM)	153.4
L1B1		#205	Plymouth	204	50	April 03, 2005	28151	2005/093/11:24:30 (LM)	45.2
Cal_Diode		#204	Egypt_1	179	69	April 04, 2005	28164	2005/094/08:56:34 (CD)	35.7
Cal_Diode		#003	Algeria_5	195	66	April 04, 2005	28165	2005/094/10:34:23 (CD)	48.9
L1B1		#163	Tapajos	227	93	April 04, 2005	28167	2005/094/14:01:30 (LM)	61.8
L2-AS		#070	Houston	26	67	April 04, 2005	28169	2005/094/17:10:09 (LM)	105.9
L1B1		#257	Tumbarumba	90	119	April 05, 2005	28173	2005/095/00:03:57 (LM)	119.9
L1B1		#256	HowardSpring	106	101	April 05, 2005	28174	2005/095/01:36:37 (LM)	84.0
L1B1		#140	Salar	1	107	April 05, 2005	28182	2005/095/14:49:27 (LM)	156.5
L2-AS		#012	TWP_Manus	97	92	April 06, 2005	28188	2005/096/00:37:47 (LM)	86.0
L1B1		#054	Egypt_Desert	177	73	April 06, 2005	28193	2005/096/08:45:27 (LM)	32.3
L1B1		#247	Eridu	168	66	April 07, 2005	28207	2005/097/07:47:31 (LM)	156.8
L1B1		#140	Salar	232	107	April 07, 2005	28211	2005/097/14:37:17 (LM)	158.4
L2-AS	*	#040	Chesapeake	15	61	April 07, 2005	28212	2005/097/16:00:09 (LM)	155.6
L1B1		#251	Okavango	175	106	April 08, 2005	28222	2005/098/08:44:39 (LM)	6.2
L1B1		#247	Eridu	166	66	April 09, 2005	28236	2005/099/07:35:23 (LM)	132.9

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Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#249	RessacaBrzl	230	93	April 09, 2005	28240	2005/099/14:19:56 (LM)	136.8
L2-AS	*	#040	Chesapeake	13	61	April 09, 2005	28241	2005/099/15:48:01 (LM)	113.2
L1B1		#250	Sudd	173	84	April 10, 2005	28251	2005/100/08:24:48 (LM)	92.7
L2-AS		#013	TWP_Nauru	84	91	April 10, 2005	28260	2005/100/23:17:05 (LM)	13.6
L1B1		#163	Tapajos	228	93	April 11, 2005	28269	2005/101/14:07:37 (LM)	107.0
L2-AS		#105	Mexico_City	27	75	April 11, 2005	28271	2005/101/17:19:14 (LM)	143.1
L1B1		#257	Tumbarumba	91	119	April 12, 2005	28275	2005/102/00:10:03 (LM)	17.5
Cal_Diode		#089	Libya_1	187	71	April 12, 2005	28281	2005/102/09:46:46 (CD)	7.9
Cal_Diode		#166	Pacific_Temp	50	67	April 12, 2005	28287	2005/102/19:38:38 (CD)	142.2
L1B1		#248	Porto_Jofre	226	104	April 13, 2005	28298	2005/103/13:59:21 (LM)	78.7
L2-AS	*	#070	Houston	25	67	April 13, 2005	28300	2005/103/17:04:07 (LM)	39.1
L2-AS		#079	JPL	41	63	April 13, 2005	28301	2005/103/18:41:43 (LM)	26.0
L1B1		#256	HowardSpring	105	101	April 14, 2005	28305	2005/104/01:30:34 (LM)	78.4
L1B1		#091	London	201	49	April 14, 2005	28311	2005/104/11:05:47 (LM)	29.4
L1B1		#140	Salar	233	107	April 14, 2005	28313	2005/104/14:43:24 (LM)	3.1
L2-AS		#179	USDA_MD	16	59	April 14, 2005	28314	2005/104/16:05:46 (LM)	132.3
Cal_Diode		#109	MOBY_Buoy	64	74	April 14, 2005	28317	2005/104/21:07:35 (CD)	18.9
L2-AS		#012	TWP_Manus	96	92	April 15, 2005	28319	2005/105/00:31:43 (LM)	81.1
L1B1		#251	Okavango	176	106	April 15, 2005	28324	2005/105/08:50:45 (LM)	153.9
Cal_Diode		#002	Algeria_3	192	66	April 15, 2005	28325	2005/105/10:16:00 (CD)	45.3

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Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#247	Eridu	167	66	April 16, 2005	28338	2005/106/07:41:29 (LM)	12.8
L2-AS	*	#040	Chesapeake	14	61	April 16, 2005	28343	2005/106/15:54:06 (LM)	22.6
L1B1		#250	Sudd	174	84	April 17, 2005	28353	2005/107/08:30:55 (LM)	74.2
L2-AS		#013	TWP_Nauru	85	91	April 17, 2005	28362	2005/107/23:23:12 (LM)	154.8
L1B1		#249	RessacaBrzl	229	93	April 18, 2005	28371	2005/108/14:13:52 (LM)	30.6
L1B1		#257	Tumbarumba	92	119	April 19, 2005	28377	2005/109/00:16:08 (LM)	154.9
L1B1		#205	Plymouth	204	50	April 19, 2005	28384	2005/109/11:24:33 (LM)	46.9
Cal_Diode		#204	Egypt_1	179	69	April 20, 2005	28397	2005/110/08:56:37 (CD)	34.4
Cal_Diode		#003	Algeria_5	195	66	April 20, 2005	28398	2005/110/10:34:26 (CD)	47.8
L1B1		#163	Tapajos	227	93	April 20, 2005	28400	2005/110/14:01:33 (LM)	60.4
L2-AS	*	#070	Houston	26	67	April 20, 2005	28402	2005/110/17:10:12 (LM)	107.0
L1B1		#257	Tumbarumba	106	107	April 21, 2005	28406	2005/111/00:04:00 (LM)	119.1
L1B1		#256	HowardSpring	1	92	April 21, 2005	28407	2005/111/01:36:40 (LM)	85.1
L1B1		#140	Salar	1	107	April 21, 2005	28415	2005/111/14:49:29 (LM)	157.6
L2-AS		#012	TWP_Manus	97	92	April 22, 2005	28421	2005/112/00:37:49 (LM)	87.0
L1B1		#054	Egypt_Desert	177	73	April 22, 2005	28426	2005/112/08:45:29 (LM)	33.5
L1B1		#247	Eridu	168	66	April 23, 2005	28440	2005/113/07:47:33 (LM)	157.6
L1B1		#140	Salar	232	107	April 23, 2005	28444	2005/113/14:37:19 (LM)	157.6
L2-AS	*	#040	Chesapeake	15	61	April 23, 2005	28445	2005/113/16:00:10 (LM)	157.0
L1B1		#251	Okavango	175	106	April 24, 2005	28455	2005/114/08:44:40 (LM)	5.4

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Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#247	Eridu	166	66	April 25, 2005	28469	2005/115/07:35:24 (LM)	132.2
L1B1		#249	RessacaBrzl	230	93	April 25, 2005	28473	2005/115/14:19:57 (LM)	137.5
L2-AS	*	#040	Chesapeake	13	61	April 25, 2005	28474	2005/115/15:48:03 (LM)	113.4
L1B1		#250	Sudd	173	84	April 26, 2005	28484	2005/116/08:24:49 (LM)	92.1
L2-AS		#013	TWP_Nauru	84	91	April 26, 2005	28493	2005/116/23:17:06 (LM)	13.0
L1B1		#163	Tapajos	228	93	April 27, 2005	28502	2005/117/14:07:38 (LM)	107.2
L2-AS		#105	Mexico_City	27	75	April 27, 2005	28504	2005/117/17:19:14 (LM)	143.5
L1B1		#257	Tumbarumba	91	119	April 28, 2005	28508	2005/118/00:10:04 (LM)	17.3
Cal_Diode		#089	Libya_1	187	71	April 28, 2005	28514	2005/118/09:46:46 (CD)	7.9
Cal_Diode		#166	Pacific_Temp	50	67	April 28, 2005	28520	2005/118/19:38:38 (CD)	142.0
L1B1		#248	Porto_Jofre	226	104	April 29, 2005	28531	2005/119/13:59:20 (LM)	78.7
L2-AS	*	#070	Houston	25	67	April 29, 2005	28533	2005/119/17:04:07 (LM)	39.1
L2-AS		#079	JPL	41	63	April 29, 2005	28534	2005/119/18:41:43 (LM)	25.9
L1B1		#256	HowardSpring	105	101	April 30, 2005	28538	2005/120/01:30:34 (LM)	78.5
L1B1		#091	London	201	49	April 30, 2005	28544	2005/120/11:05:47 (LM)	30.3
L1B1		#140	Salar	233	107	April 30, 2005	28546	2005/120/14:43:23 (LM)	2.2
L2-AS		#179	USDA_MD	16	59	April 30, 2005	28547	2005/120/16:05:46 (LM)	131.9
Cal_Diode		#109	MOBY_Buoy	64	74	April 30, 2005	28550	2005/120/21:07:35 (CD)	18.9

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.