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MAGELLAN GRAVITY DATA VALIDATION REPORT — FINAL

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ORBITS 5779—7619 (NOT inclusive)

Description of contents and form of LOSAPDR (Line of Site Acceleration Profile Data Record) can be found within file headers and in Magellan Project Software Interface Specification Document NAV-138.

Orbits containing gravity data have been validated and are designated here as **losmgnXXXXX**, where **XXXXX** represents the 5-digit orbit number.

Below is an annotated table that lists each orbit file and comments concerning its content. Specific comments pertain to:

1. Longitude at equator
2. Data gaps
3. Spline fits to Doppler residuals

Spline fits to Doppler residuals are classified as Acceptable (A), Marginal (M), Unacceptable (U). Specifically, A means a good fit to the data, M means that the fit can be improved, and U is a bad fit.

Status for each orbit designated as R or NR. Status descriptions as follows:

R – orbit released
NR – orbit not released

Report problems and comments to:
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FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn05779	-23.9	X	A/M		R
losmgn05783	-23.1		A		R
losmgn05786	-22.5		A		R
losmgn05787	-22.3		A		R
losmgn05789	-21.9		A		R
losmgn05790	21.7	X	A		R
losmgn05791	-21.5		A		R
losmgn05792	-21.3		A		R
losmgn05793	-21.1	X	A		R
losmgn05794	-20.9	X	A		R
losmgn05795	-20.7	X	M	- bad fit to first part of data (first 10 degrees of latitude)	NR
losmgn05796	-20.5		A		R
losmgn05797	-20.3	X	A		R
losmgn05799	-19.9		A		R
losmgn05800		X	M	- noisy data - bad fit to first part of data	NR
losmgn05801	-19.5		A		R
losmgn05802	-19.3		A		R
losmgn05804			A	- short arc - noisy data - first data point missing	NR
losmgn05805	-18.7		A		R
losmgn05806	-18.5		A		R
losmgn05807	-18.3		A		R
losmgn05811	-17.5		A		R
losmgn05812	-17.3		A		R
losmgn05816	-16.5		A		R
losmgn05817	-16.3		U	- short arc - first data point missing	NR
losmgn05818	-16.1		A		R
losmgn05819	-15.9		A		R
losmgn05821	-15.5		A		R
losmgn05822	-15.3		A		R
losmgn05823	-15.1		A		R
losmgn05824	-14.9		A		R
losmgn05825	-14.7		A		R
losmgn05826	-14.5		A		R
losmgn05827	-14.3		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn05828	-14.3	X	U	- short arc - first data point missing - bad orbit - altitude	NR
losmgn05829	-14.1		U	- short arc - bad orbit - altitude	NR
losmgn05831	-13.5		A		R
losmgn05833	-13.1		A		R
losmgn05835	-12.7		A		R
losmgn05836	-12.5		A		R
losmgn05838	-12.1		A		R
losmgn05839	-11.9		A		R
losmgn05840	-11.7		A		R
losmgn05841	-11.5	X	A		R
losmgn05843	-11.1		A		R
losmgn05844	-10.9		A		R
losmgn05845	-10.7		A		R
losmgn05846	-10.5	X	A		R
losmgn05847	-10.3	X	A		R
losmgn05848	-10.1		A		R
losmgn05851	-9.5		A		R
losmgn05855	-8.7		A		R
losmgn05856	-8.5		A		R
losmgn05860	-7.7		A		R
losmgn05861	-7.6		A		NR
losmgn05865	-6.7		A		R
losmgn05866	-6.5		A		R
losmgn05868	-6.1	X	A		R
losmgn05870	-5.7	X	A		R
losmgn05871	-5.5	X	A		R
losmgn05872	-5.3		M	- one Doppler residual pt. is bad	R
losmgn05873	-5.1		A		R
losmgn05874	-4.9		U	- short arc	NR
losmgn05877	-4.3		A		R
losmgn05878	-4.1		A		R
losmgn05879	-4.0	X	U	- short arc	NR
losmgn05880	-3.7		A		R
losmgn05881	-3.5		A		R
losmgn05882	-3.3		A		R
losmgn05883	-3.1		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn05884	-2.9		A	- bad orbit - altitude	NR
losmgn05885	-2.7		A		R
losmgn05887	-2.3		A		R
losmgn05888	-2.1		A		R
losmgn05889			A	- short arc - first data point missing - bad orbit - altitude - bad orbit - inclination	NR
losmgn05890	-1.7		A		R
losmgn05892	-1.3		A		R
losmgn05893	-1.2	X	U	- bad fit to first part of data - bad orbit - inclination	NR
losmgn05894	-0.9		A	- bad orbit - altitude	NR
losmgn05895	-0.7		A		R
losmgn05896	-0.5		A		R
losmgn05897	-0.3		A		R
losmgn05898	-0.1		A		R
losmgn05902	0.7		A		R
losmgn05903	0.9		A		R
losmgn05904	1.1		A		R
losmgn05905	1.3		A		R
losmgn05906	1.5		A		R
losmgn05907	1.7		A		R
losmgn05908	1.9	X	A		R
losmgn05909	2.1		A		R
losmgn05910	2.3		A		R
losmgn05911	2.5		A		R
losmgn05912	2.7		A		R
losmgn05913	2.9		A		R
losmgn05916			A	- short arc - first data point missing	NR
losmgn05917	3.7		A		R
losmgn05918	3.9		A		R
losmgn05921			A	- short arc - noisy data - first data point missing	NR
losmgn05922	4.7	X	A		R
losmgn05923	4.9	X	A		R
losmgn05924	5.1		A		R
losmgn05925	5.3		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn05926			U	- short arc	NR
losmgn05927	5.7		A		R
losmgn05928	5.9		A		R
losmgn05929	6.1		A		R
losmgn05930			U	- short arc	NR
losmgn05934	7.1		A		R
losmgn05935	7.3		A		R
losmgn05936	7.5		A		R
losmgn05937	7.7		A		R
losmgn05938				- incorrect file name - same data file as 5937	NR
losmgn05939	8.1	X	A		R
losmgn05940	8.3		A		R
losmgn05941	8.5		A	- short arc - first data point missing - first acceleration point incorrect	NR
losmgn05942	8.7		A		R
losmgn05946	9.5		A		R
losmgn05947	9.7		A		R
losmgn05948	9.9		M	- bad fit to last part of data (last 5 degrees of latitude)	R
losmgn05949	10.1		A		R
losmgn05950				- incorrect file name - same data file as 5949	NR
losmgn05951	10.5		A		R
losmgn05952	10.7		A		R
losmgn05953	10.6	X	A	- bad orbit - inclination	NR
losmgn05954	11.1		A		R
losmgn05955	11.3		A		R
losmgn05956	11.5		A		R
losmgn05957	11.7		A		R
losmgn05959	12.1		A		R
losmgn05960	12.3	X	A		R
losmgn05962	12.7		A		R
losmgn05963	12.8		U	- short arc	NR
losmgn05964	13.1		A		R
losmgn05966	13.5		A		R
losmgn05967			U	- short arc	NR
losmgn05970	14.3	X	A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn05971	14.5	X	A		R
losmgn05972	14.6		U	- short arc	NR
losmgn05973	14.9		A		R
losmgn05974	15.1		A		R
losmgn05976	15.5		A		R
losmgn05977	15.7		A		R
losmgn05979	16.1		A		R
losmgn05982			U	- short arc	NR
losmgn05983	16.9		A		R
losmgn05984	17.1		A		R
losmgn05985	17.3		A		R
losmgn05990	18.3		A		R
losmgn05991	18.5		A		R
losmgn05992	18.7		A		R
losmgn05995				- incorrect file name - same data file as 5992	NR
losmgn05996	19.5		A		R
losmgn05997				- same data file as 5996	NR
losmgn06001	20.5		A		R
losmgn06002	20.7		A		R
losmgn06003	20.9		A		R
losmgn06005	21.3		A		R
losmgn06006	21.5		A		R
losmgn06007	21.7		A		R
losmgn06008	21.9		A		R
losmgn06009	22.0		M	- bad fit to last part of data - noisy data	NR
losmgn06010			A	- short arc - first data point missing	NR
losmgn06011	22.5		A		R
losmgn06012	22.7		A		R
losmgn06014	23.0		M	- bad fit to last part of data	NR
losmgn06018	23.9		A		R
losmgn06019			U	- short arc - only Doppler residuals (no fit and accelerations)	NR
losmgn06020	24.2		U	- short arc	NR
losmgn06022	24.7		A		R
losmgn06023	24.9		A		R
losmgn06025	25.3		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06026	25.5		A		R
losmgn06027	25.7		A		R
losmgn06028	25.9		A	- short arc	R
losmgn06029	26.1		A		R
losmgn06031	26.4		U	- short arc	NR
losmgn06035	27.3		A		R
losmgn06036	27.5		A		R
losmgn06037	27.7		A		R
losmgn06038	27.9		A		R
losmgn06039	28.1		A		R
losmgn06043	28.9		A		R
losmgn06048	29.8		A/M		NR
losmgn06049	30.1		A		R
losmgn06053	30.9		A		R
losmgn06054	31.1		A		R
losmgn06055	31.3		A		R
losmgn06057	31.7		A		R
losmgn06058	31.9		A		R
losmgn06060				- same data file as 6058	NR
losmgn06063	32.9		A		R
losmgn06064	33.1		A		R
losmgn06066				- same data file as 6064	NR
losmgn06067			A	- short arc - first data point missing	NR
losmgn06068	33.9		A		R
losmgn06069	34.1		A		R
losmgn06070	34.2		U	- short arc	NR
losmgn06071				- incorrect file name - same data file as 6070	NR
losmgn06072	34.7		A		R
losmgn06079	36.1		A		R
losmgn06080	36.3		A		R
losmgn06081	36.5		A		R
losmgn06082		X	A	- first data point missing - second data point is bad - bad orbit - inclination	NR
losmgn06083	36.9		A		R
losmgn06084			U	- short arc	NR
losmgn06086	37.5		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06087	37.7		A		R
losmgn06088		X	A		NR
losmgn06089	38.1	X	A		R
losmgn06090	38.3		A		R
losmgn06093	38.9		A		R
losmgn06094	39.1		A		R
losmgn06097	39.7		A		R
losmgn06098	39.9		A		R
losmgn06099	40.0		A	-first data point missing -short arc	NR
losmgn06100	40.3		A		R
losmgn06102	40.7		A		R
losmgn06105	41.3		U	-short arc -bad orbit - altitude	NR
losmgn06112	42.7		A		R
losmgn06113	42.9		A		R
losmgn06116			U	-short arc	NR
losmgn06125	45.3		A		R
losmgn06128	45.9		A		R
losmgn06130	46.3		A		R
losmgn06131	46.5		A		R
losmgn06132	46.7		A		R
losmgn06136			M	-first data point missing -short arc -noisy data -bad orbit - altitude	NR
losmgn06137	47.6		U	-short arc	NR
losmgn06138	47.9		A		R
losmgn06139	48.1		A		R
losmgn06140	48.3		A		R
losmgn06142	48.7		A		R
losmgn06143	48.9		A		R
losmgn06144	49.1		A		R
losmgn06145	49.3	X	M	- bad fit to last part of data (last 5 degrees of latitude)	R
losmgn06146	49.5		M	- bad fit to last part of data (last 5 degrees of latitude)	R
losmgn06147	49.7		M	- bad fit to last part of data (last 5 degrees of latitude)	R
losmgn06151	50.5		M	- bad fit to last part of data (last 5 degrees of latitude)	R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06152			M	- bad fit to last part of data (last 10 degrees of latitude) - short arc	NR
losmgn06153	50.9		M	- bad fit to last part of data (last 5 degrees of latitude)	R
losmgn06154	51.1		M	- bad fit to last part of data (last 5 degrees of latitude)	R
losmgn06155	51.3		M	- bad fit to last part of data (last 5 degrees of latitude)	R
losmgn06159	52.1		M	- bad fit to last part of data (last 5 degrees of latitude)	R
losmgn06160	52.3		M	- bad fit to last part of data (last 5 degrees of latitude)	R
losmgn06161	52.5		M	- bad fit to last part of data (last 5 degrees of latitude)	R
losmgn06162	52.7		A		R
losmgn06163	52.9		A		R
losmgn06164	53.1		A		R
losmgn06170	54.3		A		R
losmgn06171	54.5		A	-short arc	R
losmgn06172	54.7		A		R
losmgn06175	55.3		A		R
losmgn06176	55.5		A		R
losmgn06177	55.7		A		R
losmgn06178	55.9		A		R
losmgn06181	56.5		A		R
losmgn06182	56.7		A		R
losmgn06183	56.9		A		R
losmgn06184	57.1		A		R
losmgn06185	57.3		A		R
losmgn06186	57.5		A		R
losmgn06187	57.7		A		R
losmgn06190	58.3		A		R
losmgn06191	58.5		A		R
losmgn06192	58.7		A		R
losmgn06196			A	-first data point missing -short arc -noisy data	NR
losmgn06197	59.7	X	A		R
losmgn06198	59.9		A		R
losmgn06199	60.1		A		R
losmgn06201	60.5		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06203	60.9		A		R
losmgn06204	61.1		A		R
losmgn06205	61.3		A		R
losmgn06206	61.5		A		R
losmgn06207	61.7		A		R
losmgn06216	63.5		A		R
losmgn06217	63.7		A		R
losmgn06219	64.1		A		R
losmgn06220	64.3		A		R
losmgn06221	64.5		A		R
losmgn06222	64.7		A		R
losmgn06223	64.9		A		R
losmgn06224				-same data file as 6223	NR
losmgn06226	65.5		A		R
losmgn06231	66.5		A	-short arc	R
losmgn06232	66.7		A		R
losmgn06234	67.1		A		R
losmgn06235	67.3		A		R
losmgn06236	67.5		A		R
losmgn06241	68.5		A		R
losmgn06242	68.6		U	-short arc -noisy data	NR
losmgn06243	68.9		A		R
losmgn06244	69.1		A		R
losmgn06246	69.5	X	A		R
losmgn06247	69.5		U	-short arc	NR
losmgn06249	70.1		A		R
losmgn06250	70.3		A		R
losmgn06251			U	-short arc	NR
losmgn06253	70.9		A		R
losmgn06254	71.1		A		R
losmgn06256	71.5		A		R
losmgn06257	71.7		A		R
losmgn06258	71.9		A		R
losmgn06259	72.1		A		R
losmgn06264	73.1		A		R
losmgn06265	73.3		A		R
losmgn06268	73.9		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06269	74.1		A		R
losmgn06271	74.5	X	A		R
losmgn06272	74.7		A		R
losmgn06273	74.9		A		R
losmgn06274	75.1		A		R
losmgn06277	75.7		A	-short arc	R
losmgn06279	76.1		A		R
losmgn06280	76.3		A		R
losmgn06283	76.9		A		R
losmgn06284	77.0		U	-short arc	NR
losmgn06286	77.5		A		R
losmgn06287				- same data file as 6286	NR
losmgn06290	78.3	X	A		R
losmgn06291	78.5		A		R
losmgn06292	78.7		A		R
losmgn06293	78.9		A		R
losmgn06295	79.3		A		R
losmgn06297	79.7		A	-short arc	R
losmgn06298	79.9		A		R
losmgn06299				-same data file as 6298	NR
losmgn06301	80.5		A		R
losmgn06302	80.7		A		R
losmgn06303	80.9		A		R
losmgn06304	81.1		A		R
losmgn06307	81.7		A		R
losmgn06308	81.8	X	U		NR
losmgn06309	82.1		A		R
losmgn06310	82.3		A		R
losmgn06311	82.5		A		R
losmgn06314	83.1		A	- short arc	R
losmgn06316	83.5		A		R
losmgn06320		X	U		NR
losmgn06321	84.5		A		R
losmgn06322	84.7		A		R
losmgn06323	84.9	X	A		R
losmgn06326	85.5		A		R
losmgn06329	86.1		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06331	86.5		A		R
losmgn06332	86.7		A		R
losmgn06335	87.3		A		R
losmgn06336	87.5		A	- short arc - bad inclination	NR
losmgn06343	88.9	X	U	- short arc	NR
losmgn06345	89.3		A		R
losmgn06349	90.1		A		R
losmgn06350	90.3		A		R
losmgn06352	90.7		A		R
losmgn06353	90.9		A		R
losmgn06354	91.1		A		R
losmgn06355	91.3		A	- short arc	R
losmgn06356	91.5		A	- short arc - bad inclination	NR
losmgn06360	92.3		A	- bad inclination	NR
losmgn06361	92.5		A		R
losmgn06364	93.1		A		R
losmgn06365	93.3		A		R
losmgn06370	94.3		A		R
losmgn06372	94.7		A		R
losmgn06373	94.9		A		R
losmgn06375	95.3		A		R
losmgn06379	96.1		A		R
losmgn06380	96.3		A		R
losmgn06383	97.0		A	- questionable inclination beyond 75 south	R
losmgn06387	97.8		A	- short arc - questionable inclination beyond 65 south	R
losmgn06389	98.1		A		R
losmgn06390	98.3		A	- short arc - questionable inclination beyond 55 north	NR
losmgn06396	99.5	X	A	- first two points possibly bad - questionable inclination beyond 50 north	NR
losmgn06397	99.7	X	A		R
losmgn06398	99.9		A		R
losmgn06402	100.7		A		R
losmgn06405	101.3		A		R
losmgn06409	102.1		A		R
losmgn06410	102.3		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06412	102.7		A		R
losmgn06413	102.9		A		R
losmgn06416	103.5		A		R
losmgn06417	103.7		A		R
losmgn06427	105.7	X	A		R
losmgn06431	106.5		A		R
losmgn06432	106.7		A		R
losmgn06433	106.9		A		R
losmgn06442	108.7		A		R
losmgn06443	108.9		A		R
losmgn06444	109.1		A		R
losmgn06446	109.5		A		R
losmgn06447	109.7		A		R
losmgn06449	110.1		A		R
losmgn06450	110.3		A		R
losmgn06451	110.5		A		R
losmgn06452	110.7		A		R
losmgn06453	110.9	X	A		R
losmgn06454	111.1		A		R
losmgn06457	111.7		A		R
losmgn06460	112.3		A	- short arc - questionable inclination beyond 50 south	NR
losmgn06461	112.5		A		R
losmgn06462	112.7		A		R
losmgn06464	113.1		A		R
losmgn06465	113.3		A		R
losmgn06468	113.9		A		R
losmgn06469	114.1		A		R
losmgn06475	115.3		A		R
losmgn06479	116.1		A		R
losmgn06481	116.5		A		R
losmgn06484	117.1		A		R
losmgn06486	117.5		A		R
losmgn06487	117.7		A		R
losmgn06491	118.5		A		R
losmgn06494	119.1		A		R
losmgn06499	120.1		A		R
losmgn06501	120.5		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06509	122.1		A		R
losmgn06512	122.7		A		R
losmgn06513	122.9		A		R
losmgn06514	123.1		A		R
losmgn06516	123.5		A		R
losmgn06517	123.7		A		R
losmgn06523	124.9	X	A		R
losmgn06526	125.5		A		R
losmgn06527	125.7		A		R
losmgn06528	125.9		A		R
losmgn06531	126.5		A		R
losmgn06535	127.3		A		R
losmgn06536	127.4		A		R
losmgn06537	127.6		A		R
losmgn06538	127.9		A		R
losmgn06539	128.1		A		R
losmgn06561	132.4		A		R
losmgn06564	133.0		A		R
losmgn06566	133.4		A		R
losmgn06567	133.6		A		R
losmgn06568	133.8		A		R
losmgn06570	134.2		A		R
losmgn06575	135.2		A		R
losmgn06576	135.4		A		R
losmgn06577	135.6		A		R
losmgn06579	136.0		A		R
losmgn06583	136.8		A		R
losmgn06586	137.4		A		R
losmgn06589	138.0		A		R
losmgn06590	138.2		A		R
losmgn06592	138.6		A		R
losmgn06595	139.2	X	A		R
losmgn06597	139.6		A		R
losmgn06598	139.8		A		R
losmgn06601	140.4	X	A		R
losmgn06604	141.0		A		R
losmgn06605	141.2		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06606	141.4		A		R
losmgn06607	141.6		A		R
losmgn06613	142.8		A		R
losmgn06619	144.0		A		R
losmgn06621	144.4		A		R
losmgn06622	144.6		A		R
losmgn06627	145.6		A		R
losmgn06631	146.4		A		R
losmgn06635	147.2		A		R
losmgn06637	147.6		A		R
losmgn06639	148.0		A	- short arc	R
losmgn06640	148.2		A		R
losmgn06641	148.4		A		R
losmgn06642	148.6		A		R
losmgn06643	148.8		A		R
losmgn06644	149.0		A		R
losmgn06647	149.6		A		R
losmgn06649	150.0		A		R
losmgn06650	150.2		A		R
losmgn06654	151.0		A		R
losmgn06655	151.2		A		R
losmgn06656	151.4		A		R
losmgn06657	151.6		A		R
losmgn06658	151.8		A		R
losmgn06659	152.0		A		R
losmgn06662	152.6		A		R
losmgn06663	152.8		A		R
losmgn06666	153.4		A		R
losmgn06670	154.2		A		R
losmgn06671	154.4		A		R
losmgn06672	154.6		A		R
losmgn06673	154.8		A		R
losmgn06674	155.0		A		R
losmgn06677	155.6		A		R
losmgn06678	155.8		A		R
losmgn06679	156.0		A		R
losmgn06680	156.2		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06681	156.4		A		R
losmgn06685	157.2		A		R
losmgn06687	157.6		A		R
losmgn06688	157.8		A		R
losmgn06691	158.4		A		R
losmgn06696	159.4		A		R
losmgn06701	160.4		A		R
losmgn06705	161.2		A		R
losmgn06706	161.4		A		R
losmgn06708	161.8		A		R
losmgn06712	162.6	X	A		R
losmgn06715	163.2		A		R
losmgn06720	164.2		A		R
losmgn06721	164.4		A		R
losmgn06723	164.8		A		R
losmgn06724	165.0		A		R
losmgn06725	165.2		A		R
losmgn06726	165.4		A		R
losmgn06728	165.8		A		R
losmgn06729	166.0		A		R
losmgn06730	166.2		A		R
losmgn06731	166.4		A		R
losmgn06732	166.6		A		R
losmgn06733	166.8		A		R
losmgn06739	168.0		A		R
losmgn06740	168.2		A		R
losmgn06742	168.6		A		R
losmgn06746	169.4		A		R
losmgn06747	169.6		A		R
losmgn06748	169.8		A		R
losmgn06751	170.4		A		R
losmgn06752	170.6		A		R
losmgn06757	171.6		A		R
losmgn06760	172.2	X	A		R
losmgn06761	172.3		A		R
losmgn06762	172.6		A		R
losmgn06763	172.8		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06766	173.4		A	- short arc	R
losmgn06767	173.6		A		R
losmgn06770	174.2	X	A		R
losmgn06774	175.0		A		R
losmgn06775	175.2	X	A		R
losmgn06776	175.3		A	- bad inclination	NR
losmgn06777	175.6		A		R
losmgn06782	176.6		A		R
losmgn06783	176.8		A		R
losmgn06784	177.0		A		R
losmgn06789	177.9		A		R
losmgn06791	178.4		A		R
losmgn06792	178.6		A		R
losmgn06797	179.6		A		R
losmgn06799	180.0		A		R
losmgn06801	-179.7		A		R
losmgn06804	-179.0		A		R
losmgn06807	-178.5		A		R
losmgn06811	-177.7		A		R
losmgn06812	-177.5	X	A		R
losmgn06813	-177.3		A		R
losmgn06814	-177.1		A		R
losmgn06818	-176.3		A		R
losmgn06819	-176.1		A		R
losmgn06820	-175.9		A		R
losmgn06821	-175.7		A		R
losmgn06825	-174.9	X	A		R
losmgn06826	-174.7		A		R
losmgn06827	-174.5		A		R
losmgn06828	-174.3		A		R
losmgn06829	-174.1		A		R
losmgn06833	-173.3		A		R
losmgn06834	-173.1		A		R
losmgn06835	-172.9		A		R
losmgn06836	-172.7		A		R
losmgn06840	-171.9		A		R
losmgn06841	-171.7		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06845	-170.9		A	- short arc	R
losmgn06848	-170.3		A		R
losmgn06849	-170.1	X	A		R
losmgn06851	-169.7		A		R
losmgn06856	-168.7		A	- short arc	R
losmgn06857	-168.5		A		R
losmgn06863	-167.3		A		R
losmgn06864	-167.1		A		R
losmgn06867	-166.5		A	- short arc	R
losmgn06868	-166.3		A		R
losmgn06873	-165.3		A		R
losmgn06876	-164.7		A		R
losmgn06877	-164.5		A		R
losmgn06878	-164.3		A		R
losmgn06879	-164.1		A		R
losmgn06880	-163.9		A		R
losmgn06881	-163.7		A		R
losmgn06883	-163.3		A		R
losmgn06887	-162.4		A		R
losmgn06895	-160.9		A		R
losmgn06901	-159.7		A		R
losmgn06903	-159.3		A		R
losmgn06905	-158.9		A		R
losmgn06906	-158.7		A		R
losmgn06907	-158.5		A		R
losmgn06910	-157.9		A		R
losmgn06911	-157.7		A		R
losmgn06913	-157.3		A		R
losmgn06914	-157.1		A		R
losmgn06920	-155.9		A		R
losmgn06922	-155.5		A		R
losmgn06923	-155.3		A		R
losmgn06924	-155.1		A		R
losmgn06928	-154.3		A		R
losmgn06929	-154.1		A		R
losmgn06930	-153.9		A		R
losmgn06931	-153.7		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06932	-153.5		A		R
losmgn06935	-152.9		A		R
losmgn06936	-152.7		A		R
losmgn06937	-152.5		A		R
losmgn06939	-152.1		A		R
losmgn06942	-151.5		A		R
losmgn06943	-151.3		A		R
losmgn06944	-151.1		A		R
losmgn06945	-150.9		A		R
losmgn06947	-150.5		A		R
losmgn06949	-150.1		A		R
losmgn06951	-149.7		A		R
losmgn06952	-149.5		A		R
losmgn06953	-149.3		A		R
losmgn06954	-149.1		A		R
losmgn06955	-148.9		A		R
losmgn06956	-148.7		A		R
losmgn06957	-148.5		A		R
losmgn06958	-148.3		A		R
losmgn06959	-148.1		A		R
losmgn06960	-147.9		A		R
losmgn06964	-147.1		A		R
losmgn06965	-146.9		A		R
losmgn06968	-146.3		A		R
losmgn06969	-146.1		A		R
losmgn06970	-145.9		A		R
losmgn06973	-145.3		A		R
losmgn06974	-145.1		A		R
losmgn06976	-144.7		A		R
losmgn06977	-144.5		A		R
losmgn06981	-143.7		A		R
losmgn06982	-143.5		A		R
losmgn06983	-143.3		A		R
losmgn06985	-142.9		A		R
losmgn06987	-142.5		A		R
losmgn06988	-142.3		A		R
losmgn06989	-142.1		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn06990	-141.9		A		R
losmgn06991	-141.7		A		R
losmgn06994	-141.1		A		R
losmgn06996	-140.7		A		R
losmgn06997	-140.5		A		R
losmgn07000	-139.9		A		R
losmgn07001	-139.7		A		R
losmgn07002	-139.5		A		R
losmgn07003	-139.3		A		R
losmgn07005	-138.9		A		R
losmgn07006	-138.7		A		R
losmgn07009	-138.1		A/M	- noisy data	R
losmgn07010	-137.9		A		R
losmgn07016	-136.7		A		R
losmgn07017	-136.6		A		R
losmgn07020	-136.0		A		R
losmgn07021	-135.8		A		R
losmgn07028	-134.4		A		R
losmgn07031	-133.8		A		R
losmgn07033	-133.4		A		R
losmgn07034	-133.2		A		R
losmgn07035	-133.0		A		R
losmgn07036	-132.8		A		R
losmgn07039	-132.2	X	A		R
losmgn07040	-132.0		A		R
losmgn07041	-131.8		A		R
losmgn07042	-131.6		A		R
losmgn07046	-130.8		A		R
losmgn07048	-130.4		A		R
losmgn07050	-130.0		A		R
losmgn07051	-129.8		A		R
losmgn07055	-129.0		A		R
losmgn07056	-128.8		A		R
losmgn07057	-128.6		A		R
losmgn07058	-128.4		A		R
losmgn07062	-127.6		A		R
losmgn07066	-126.8		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn07069	-126.2		A		R
losmgn07070	-126.0		A		R
losmgn07071	-125.8		A		R
losmgn07073	-125.4		A		R
losmgn07077	-124.6		A		R
losmgn07079	-124.2		A		R
losmgn07080	-124.0		A		R
losmgn07081	-123.8		A		R
losmgn07085	-123.0		A		R
losmgn07099	-120.2		A		R
losmgn07109	-118.2	X	A		R
losmgn07110	-118.0		A		R
losmgn07114	-117.3		A		R
losmgn07115	-117.0		A		R
losmgn07118	-116.4		A		R
losmgn07122	-115.7		A		R
losmgn07123	-115.4		A		R
losmgn07126	-114.9		A		R
losmgn07136	-112.9		A		R
losmgn07139	-112.3		A		R
losmgn07146	-110.9		A/M		R
losmgn07147	-110.7		A/M		R
losmgn07151	-109.9		A		R
losmgn07152	-109.7		A		R
losmgn07156	-108.9		A		R
losmgn07160	-108.0		A		R
losmgn07165	-107.1		A		R
losmgn07167	-106.7		A		R
losmgn07173	-105.4		A		R
losmgn07176	-104.8		A		R
losmgn07177	-104.6		A	-questionable inclination beyond 70 south	R
losmgn07180	-104.1		A		R
losmgn07184	-103.2		A		R
losmgn07188	-102.4		A		R
losmgn07189	-102.2		A		R
losmgn07191	-101.8		A		R
losmgn07195	-101.0		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn07196	-100.8		A		R
losmgn07197	-100.6		A		R
losmgn07198	-100.4		A		R
losmgn07202	-99.6		A		R
losmgn07203	-99.4		A		R
losmgn07204	-99.2		A/M	- poor fit to last 3 degrees of data	R
losmgn07205	-99.0		A		R
losmgn07206	-98.8		A		R
losmgn07210	-98.0		A		R
losmgn07214	-97.2		A		R
losmgn07218	-96.6		A		R
losmgn07219	-96.2		A		R
losmgn07225	-95.0		A		R
losmgn07226	-94.8		A		R
losmgn07227	-94.6	X	A		R
losmgn07228	-94.4		A		R
losmgn07232	-93.6		A		R
losmgn07234	-93.2		A		R
losmgn07235	-93.0		A		R
losmgn07239	-92.2		A		R
losmgn07240	-92.0		A		R
losmgn07241	-91.8		A		R
losmgn07243	-91.4		A		R
losmgn07247	-90.6		A		R
losmgn07248	-90.4		A		R
losmgn07249	-90.2		A		R
losmgn07250	-90.0		A		R
losmgn07254	-89.2		A		R
losmgn07255	-89.0		A		R
losmgn07256	-88.8		A		R
losmgn07257	-88.6		A		R
losmgn07258	-88.4		A		R
losmgn07262	-87.6		A		R
losmgn07269	-86.2		A		R
losmgn07270	-86.0		A		R
losmgn07271	-85.8		A		R
losmgn07276	-84.8		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn07277	-84.6		A		R
losmgn07279	-84.2		A		R
losmgn07280	-84.0		A		R
losmgn07281	-83.8		A		R
losmgn07286	-82.8		A		R
losmgn07287	-82.6		A		R
losmgn07291	-81.8		A		R
losmgn07292	-81.6		A		R
losmgn07293	-81.4		A		R
losmgn07294	-81.2		A		R
losmgn07295	-81.0		A		R
losmgn07298	-80.4		A		R
losmgn07299	-80.2		A		R
losmgn07300	-80.0	X	M	- possibly incorrect Doppler frequencies near data gap - poor fit near gap	NR
losmgn07301	-79.8		A		R
losmgn07302	-79.6		A		R
losmgn07304	-79.2	X	A	- short arc	R
losmgn07305	-79.0		A		R
losmgn07306	-78.8		A		R
losmgn07307	-78.6	X	A		R
losmgn07308	-78.4		A		R
losmgn07309	-78.2		A		R
losmgn07310	-78.0		A		R
losmgn07314	-77.2		A		R
losmgn07319	-76.2		A		R
losmgn07321	-75.8		A		R
losmgn07322	-75.6		A		R
losmgn07323	-75.4		A		R
losmgn07327	-74.6		A		R
losmgn07328	-74.4		A		R
losmgn07330	-74.0		A		R
losmgn07333	-73.4		A		R
losmgn07334	-73.2		A		R
losmgn07335	-73.0		A		R
losmgn07336	-72.8		A		R
losmgn07338	-72.4		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn07341	-71.8	X	A	- short arc	R
losmgn07342	-71.6	X	A		R
losmgn07343	-71.4		A		R
losmgn07344	-71.2		A		R
losmgn07345	-71.0		A		R
losmgn07346	-70.8		A		R
losmgn07347	-70.6		A		R
losmgn07349	-70.2		A		R
losmgn07350	-70.0		A		R
losmgn07351	-69.8		A		R
losmgn07352	-69.6		A		R
losmgn07353	-69.4		A		R
losmgn07354	-69.2		A		R
losmgn07356	-68.8		A		R
losmgn07359	-68.2		A		R
losmgn07360	-68.0		A		R
losmgn07361	-67.8		A		R
losmgn07364	-67.2		A		R
losmgn07365	-67.0		A		R
losmgn07366	-66.8		A		R
losmgn07367	-66.6		A		R
losmgn07369	-66.2		A		R
losmgn07371	-65.8		A		R
losmgn07372	-65.6		A		R
losmgn07375	-65.0		A		R
losmgn07378	-64.4	X	A		R
losmgn07380	-64.0		A		R
losmgn07381	-63.8	X	A		R
losmgn07382	-63.6		A		R
losmgn07383	-63.4		A		R
losmgn07384	-63.2		A		R
losmgn07385	-63.0		A		R
losmgn07386	-62.8		A		R
losmgn07387	-62.6		A		R
losmgn07388	-62.4		A		R
losmgn07389	-62.2		A		R
losmgn07390	-62.0	X	A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn07391	-61.8		A		R
losmgn07393	-61.4		A		R
losmgn07395	-61.0		A		R
losmgn07396	-60.8		A		R
losmgn07397	-60.6		A		R
losmgn07398	-60.4		A		R
losmgn07402	-59.6		A		R
losmgn07403	-59.4		A		R
losmgn07404	-59.2		A		R
losmgn07405	-59.0		A		R
losmgn07406	-58.8		A		R
losmgn07408	-58.4		A		R
losmgn07409	-58.2		A		R
losmgn07410	-58.0		A		R
losmgn07411	-57.8		A		R
losmgn07412	-57.6		A		R
losmgn07413	-57.4		A		R
losmgn07417	-56.6		A		R
losmgn07419	-56.2		A		R
losmgn07420	-56.0		A		R
losmgn07421	-55.8		A		R
losmgn07424	-55.2	X	A		R
losmgn07425	-55.0		A		R
losmgn07426	-54.8		A		R
losmgn07437	-52.6		A		R
losmgn07441	-51.9		A		R
losmgn07442	-51.7	X	A		R
losmgn07443	-51.5		A		R
losmgn07445	-51.1		A		R
losmgn07448	-50.5		A		R
losmgn07449	-50.3		A		R
losmgn07456	-48.9		A		R
losmgn07457	-48.7		A		R
losmgn07461	-47.9		A		R
losmgn07465	-47.1		A		R
losmgn07467	-46.7		A		R
losmgn07468	-46.5		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn07471	-45.9		A		R
losmgn07474	-45.2	X	A		R
losmgn07478	-44.5		A	- noisy data	R
losmgn07483	-43.5		A	- noisy data	R
losmgn07484	-43.3		A		R
losmgn07485	-43.1		A	- short arc - noisy data	R
losmgn07486	-42.9		A		R
losmgn07487	-42.6		A	- noisy data	R
losmgn07490	-42.1	X	A		R
losmgn07491	-41.9		A		R
losmgn07493	-41.5		A	- noisy data	R
losmgn07494	-41.3	X	A		R
losmgn07495	-41.1		A		R
losmgn07497	-40.7		A		R
losmgn07504	-39.3		A		R
losmgn07508	-38.5		A		R
losmgn07509	-38.3		A		R
losmgn07510	-38.1		A		R
losmgn07513	-37.5		A		R
losmgn07515	-37.1		A		R
losmgn07516	-36.9		A		R
losmgn07517	-36.7		A		R
losmgn07520	-36.1		A		R
losmgn07521	-35.9		A		R
losmgn07524	-35.3		A		R
losmgn07526	-34.9		A		R
losmgn07527	-34.7		A		R
losmgn07528	-34.5	X	A		R
losmgn07529	-34.3		A		R
losmgn07530	-34.1		A		R
losmgn07534	-33.3		A		R
losmgn07535	-33.1		A		R
losmgn07536	-32.9		A		R
losmgn07537	-32.7		A		R
losmgn07538	-32.5		A		R
losmgn07539	-32.3		A		R
losmgn07541	-31.9		A		R

FILE NAME	LONGITUDE AT EQUATOR	DATA GAP	SPLINE-FIT (A/M/U)	COMMENTS	STATUS (R, NR)
losmgn07544	-31.3		A		R
losmgn07545	-31.1		A		R
losmgn07546	-30.9		A		R
losmgn07550	-30.1		A		R
losmgn07551	-29.9		A		R
losmgn07552	-29.7	X	A		R
losmgn07553	-29.5		A		R
losmgn07554	-29.3		A		R
losmgn07556	-28.9		A		R
losmgn07557	-28.7		A		R
losmgn07558	-28.5		A		R
losmgn07560	-28.1		A		R
losmgn07564	-27.3		A		R
losmgn07565	-27.1		A		R
losmgn07570	-26.1		A		R
losmgn07571	-25.9		A		R
losmgn07578	-24.5		A		R
losmgn07579	-24.3		A		R
losmgn07587	-22.7		A		R
losmgn07591	-21.9		A		R
losmgn07593	-21.5		A		R
losmgn07594	-21.3		A		R
losmgn07596	-20.9		A		R
losmgn07601	-19.9		A		R
losmgn07603	-19.5		A		R
losmgn07604	-19.3		A		R
losmgn07606	-18.9		A		R
losmgn07608	-18.5		A		R
losmgn07609	-18.3	X	A		R
losmgn07610	-18.1		A		R
losmgn07611	-17.9		A		R
losmgn07612	-17.7		A		R
losmgn07615	-17.1		A		R
losmgn07616	-16.9		A		R
losmgn07617	-16.7		A		R
losmgn07618	-16.5		A		R
losmgn07619	-16.3		A		R