3163

Quick Links

Report Card Status of ILRS Stat

## The ILRS "Global Report Card"

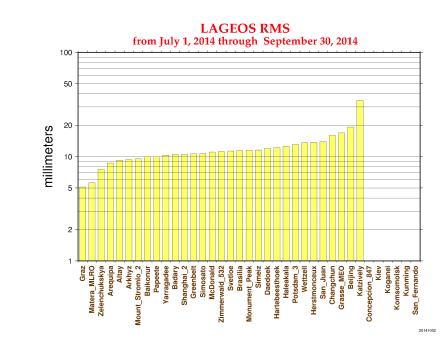
Mark Torrence, (SGT Inc., NASA/GSFC, ILRS CB)

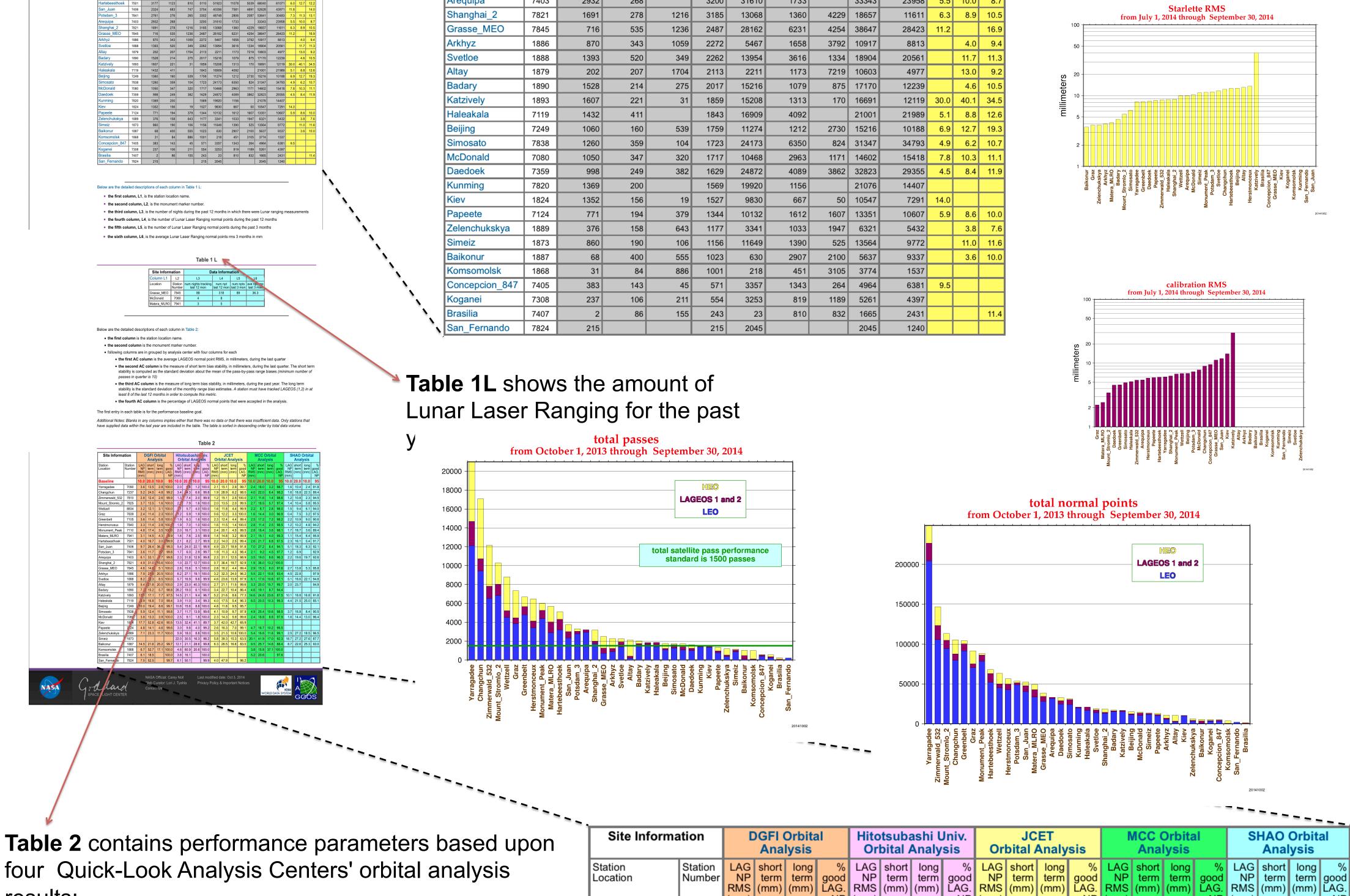
http://ilrs.gsfc.nasa.gov/network/system\_performance/global\_report\_cards/ {monthly}

LR Global Performance Report Card Column 2 is the monument marker numb lumn 3 is the LEO pass total during the past 12 month Column 4 is the LAGEOS pass total during the past 12 month n 5 is the high satellite pass total during the past 12 month 6 is the pass total (i.e., all satellites) during the past mn 7 is the LEO NP total during the past 12 month column 8 is the LAGEOS NP total during the past 12 months Column 9 is the high satellite NP total during the past 12 months Column 10 is the NP total (i.e., all satellites) during the past 12 months umn 11 is the total tracking minutes (i.e., all satellites) during he number of normal points multiplied by its bin size in minute lumn 12 is the average single-shot calibration RMS, in millimeters, during the last

**Table 1** contains performance measures based on data volume, and statistics derived from the normal point data. The stations link to station pages; the columns link to plots of the information.

Site Information	Data Volu	Data Quality											
Column 1	2	3	4	5	6	7	8	9	10	11	12	13	
Location	Station Number	LEO pass Tot	LAGEOS pass Tot	High pass Tot	Total passes	LEO NP Total	LAGEOS NP Total	High NP Total	Total NP	Minutes of Data	Cal. RMS	Star RMS	
Baseline		1000	400	100	1500								
Yarragadee	7090	12127	2570	6303	21000	204324	22350	22114	248788	163475	6.1	8.2	1
Changchun	7237	9435	1303	6351	17089	79615	8006	17724	105345	61318	8.9	12.3	1
Zimmerwald_532	7810	6531	1282	4334	12147	105535	17920	23309	146764	106885	5.4	8.7	-
Mount_StromIo_2	7825	6822	1221	2237	10280	94384	10492	8391	113267	82857	3.4	5.5	
Wettzell	8834	4499	715	3594	8808	44948	5215	13012	63175	41512	6.9	9.9	1
Graz	7839	3838	631	2881	7350	70267	4931	16167	91365	51286	2.2	3.8	
Greenbelt	7105	4788	874	1024	6686	91507	8928	3864	104299	65751	4.6	8.3	1
Herstmonceux	7840	3391	748	2330	6469	42508	7099	6866	56473	41281	5.8	13.6	1
Monument_Peak	7110	4371	884	756	6011	78513	7739	2052	88304	58873	6.7	11.1	
Matera_MLRO	7941	2885	1161	1649	5695	33517	9385	6586	49488	48340	2.4	4.2	
Hartebeesthoek	7501	3177	1123	810	5110	51923	11078	5039	68040	61071	6.0	12.7	•
San_Juan	7406	2324	683	747	3754	40356	7581	4691	52628	43971	11.8		•
Potsdam_3	7841	2761	276	265	3302	48748	2806	2087	53641	30483	7.3	11.3	•
Arequipa	7403	2932	268		3200	31610	1733		33343	23958	5.5	10.0	
Shanghai_2	7821	1691	278	1216	3185	13068	1360	4229	18657	11611	6.3	8.9	•
Grasse_MEO	7845	716	535	1236	2487	28162	6231	4254	38647	28423	11.2		
Arkhyz	1886	870	343	1059	2272	5467	1658	3792	10917	8813		4.0	
Svetloe	1888	1393	520	349	2262	13954	3616	1334	18904	20561		11.7	
Altay	1879	202	207	1704	2113	2211	1173	7219	10603	4977		13.0	
Badary	1890	1528	214	275	2017	15216	1079	875	17170	12239		4.6	
Katzively	1893	1607	221	31	1859	15208	1313	170	16691	12119	30.0	40.1	- 3
Haleakala	7119	1432	411		1843	16909	4092		21001	21989	5.1	8.8	1
Beijing	7249	1060	160	539	1759	11274	1212	2730	15216	10188	6.9	12.7	
Simosato	7838	1260	359	104	1723	24173	6350	824	31347	34793	4.9	6.2	
McDonald	7080	1050	347	320	1717	10468	2963	1171	14602	15418	7.8	10.3	





results:

- Deutshces Geodatisches Forshungsinstitut (DGFI)
- Germany; Hitotsubashi Univ. Japan
- Joint Center for Earth Systems Technology (JCET), Univ of MD
- Mission Control Centre (MCC) Moscow, Russia
- Shanghai Astronomical Observatory (SHAO), Chinese Academy of Sciences

The columns for each Quick-Look Analysis Center are statistics for LAGEOS (1,2):

- average normal point RMS, in millimeters, during the last quarter
- short term bias stability (mm) during the last quarter computed as the standard deviation about the mean of the pass-by-pass range biases. If the number of passes greater than 10.
- long term bias stability (mm) during the past year which is the standard deviation of the monthly range bias estimates. If there are at least 8 months in the past 12.
- percent of normal points used in the analysis.

		(mm)			NP	(mm)			NP	(mm)			NP	(mm)			NP	(mm)	· · ·		NP
Baseline		10.0	20.0	10.0	95	10.0	<b>20.0</b>	10.0	95	10.0	20.0	10.0	95	10.0	20.0	10.0	95	10.0	20.0	10.0	95
Yarragadee	7090	3.6	13.5	2.8	100.0	2.0	6.8	1.2	100.0	2.1	15.1	2.9	99.7	2.4	18.0	3.2	98.7	1.6	10.4	2.4	91.8
Changchun	7237	5.2	24.5	4.8	99.2	3.4	24.3	6.6	99.8	1.9	28.9	6.2	98.0	4.0	22.0	6.4	98.2	1.6	18.8	22.3	89.4
Zimmerwald_532	7810	2.8	12.4	2.6	99.9	1.3	7.4	2.0	99.9	1.2	15.1	2.5	100.0	2.1	11.6	1.4	98.6	1.2	10.8	2.3	94.5
Mount_StromIo_2	7825	3.7	13.5	1.6	100.0	2.2	7.9	1.6	100.0	2.0	13.5	2.0	99.5	2.7	18.5	5.7	97.4	1.4	10.4	5.8	95.5
Wettzell	8834	3.2	12.1	3.1	100.0	2.1	5.7	4.0	100.0	1.6	11.8	4.4	99.9	2.2	8.7	2.8	98.0	1.5	9.4	6.1	94.0
Graz	7839	2.4	11.4	2.3	100.0	1.2	5.9	1.9	100.0	0.6	12.2	3.3	100.0	1.6	14.4	3.0	96.9	0.4	7.5	3.2	97.5
Greenbelt	7105	3.6	11.4	5.8	100.0	1.9	6.3	1.6	100.0	2.3	12.4	4.4	99.4	2.5	17.2	7.2	98.2	2.2	10.9	9.0	90.6
Herstmonceux	7840	3.3	11.4	2.8	100.0	1.9	7.0	1.0	100.0	1.6	11.5	1.4	100.0	2.8	11.4	2.5	98.5	1.2	10.2	4.8	94.2
Monument_Peak	7110	4.8	17.4	3.5	100.0	2.0	16.7	3.1	100.0	2.4	20.1	4.5	99.5	2.8	18.4	3.6	98.1	1.7	18.7	3.6	89.4
Matera_MLRO	7941	3.1	14.5	4.3	99.9	1.6	7.6	2.5	99.9	1.4	14.8	3.2	99.9	2.1	15.1	4.0	99.3	1.1	15.4	6.4	95.9
Hartebeesthoek	7501	4.0	16.7	3.0	99.9	2.1	8.2	2.7	99.9	2.2	14.0	2.5	99.4	2.6	21.7	6.8	97.5	2.3	16.1	5.4	91.7
San_Juan	7406	9.7	26.4	36.3	99.3	5.4	24.0	22.1	98.9	4.9	23.7	18.9	91.8	7.0	27.2	8.4	94.1	5.1	18.3	6.3	92.1
Potsdam_3	7841	3.6	11.7	3.7	99.8	1.7	6.0	2.9	99.7	1.9	11.3	4.3	98.4	2.1	9.2	4.5	97.7	1.2	6.9		92.9
Arequipa	7403	6.1	33.1	7.7	99.8	2.3	31.8	12.9	99.8	2.3	31.1	12.5	98.9	3.5	19.0	8.6	96.3	2.2	19.6	19.7	92.6
Shanghai_2	7821	4.9	31.0	15.6	100.0	1.0	22.7	12.7	100.0	0.7	36.4	19.7	92.9	1.9	36.0	13.2	100.0				
Grasse_MEO	7845	4.6	14.6	5.1	100.0	2.8	15.6	5.1	100.0	2.8	16.2	4.4	99.4	2.9	15.3	6.0	97.6	2.7	13.8	5.3	95.8
Arkhyz	1886	7.9	25.5	20.5	100.0	6.2	27.1	19.1	100.0	3.2	32.3	24.0	96.2	5.5	22.1	10.8	93.4	4.5	22.8		97.9
Svetloe	1888	8.2	22.3	8.5	100.0	5.7	16.9	9.6	99.9	4.6	23.6	13.9	97.9	6.1	17.6	10.8	97.1	5.1	18.6	22.1	94.8
Altay	1879	5.4	21.8	20.0	100.0	2.9	23.0	40.3	100.0	2.7	21.1	11.5	99.6	3.3	20.0	15.7	99.7	2.0	23.7		94.9
Badary	1890	7.2	15.2	5.7	98.8	28.2	19.0	6.1	100.0	3.4	22.7	10.4	86.4	4.6	19.1	8.7	94.4				
Katzively	1893	17.1	17.1	7.7	97.5	14.5	21.1	9.4	96.7	5.2	21.6	8.6	77.3	14.6	24.8	23.6	87.5	10.1	18.8	16.8	91.8
Haleakala	7119	6.9	16.8	7.0	99.4	3.9	11.0	3.4	99.3	4.0	17.5	5.4	96.3	6.5	20.5	10.3	99.3	4.4	21.5	25.0	85.1
Beijing	7249	10.0	19.4	8.6	99.1	10.8	15.6	8.8	100.0	4.8	11.8	9.5	95.7								
Simosato	7838	5.9	12.4	11.1	99.8	3.7	11.7	13.9	99.6	4.1	10.9	9.7	97.9	4.9	25.4	10.6	98.5	3.7	16.8	8.4	90.5
McDonald	7080	3.8	13.3	3.9	100.0	2.5	9.1	1.8	100.0	2.3	14.3	5.9	99.6	2.4	18.8	8.8	97.9	1.6	14.4	13.0	96.4
Kiev	1824	17.7	52.8	42.6	90.5	13.5	32.4	41.1	89.7	3.7	42.0	42.7	65.9								
Papeete	7124	4.8	14.1	4.6	99.6	3.0	9.8	4.0	99.2	2.6	16.3	7.0	99.1	4.7	16.7	10.2	99.5				
Zelenchukskya	1889	7.1	23.3	11.7	100.0	5.9	18.0	8.8	100.0	3.5	21.3	10.6	100.0	5.4	16.6	11.6	99.1	2.5	27.2	18.5	96.5
Simeiz	1873					22.0	30.5	16.3	98.2	5.8	39.3	15.3	63.5	20.1	41.9	17.0	92.3	18.7	27.2	27.6	87.7
Baikonur	1887	14.5	21.6	25.2	99.7	12.1	21.1	28.6	99.8	6.3	26.5	16.6	83.0	9.5	25.7	14.6	88.4	8.7	22.6	25.3	93.0
Komsomolsk	1868	6.7	52.7	17.1	100.0	4.6	60.9	20.6	100.0					3.8	15.8	37.1	100.0				
Brasilia	7407	6.1	18.5		100.0	3.8	16.1		100.0					5.2	20.6		97.6				
San_Fernando	7824	7.5	52.5		99.7	6.1	50.1		99.9	4.0	47.9		96.2								