

2015

2015

SLR

2015

SLR

1.1 2015 SLR

2015

SLR

19160

2.6

6237

2634

947

173

1.1.1 2015

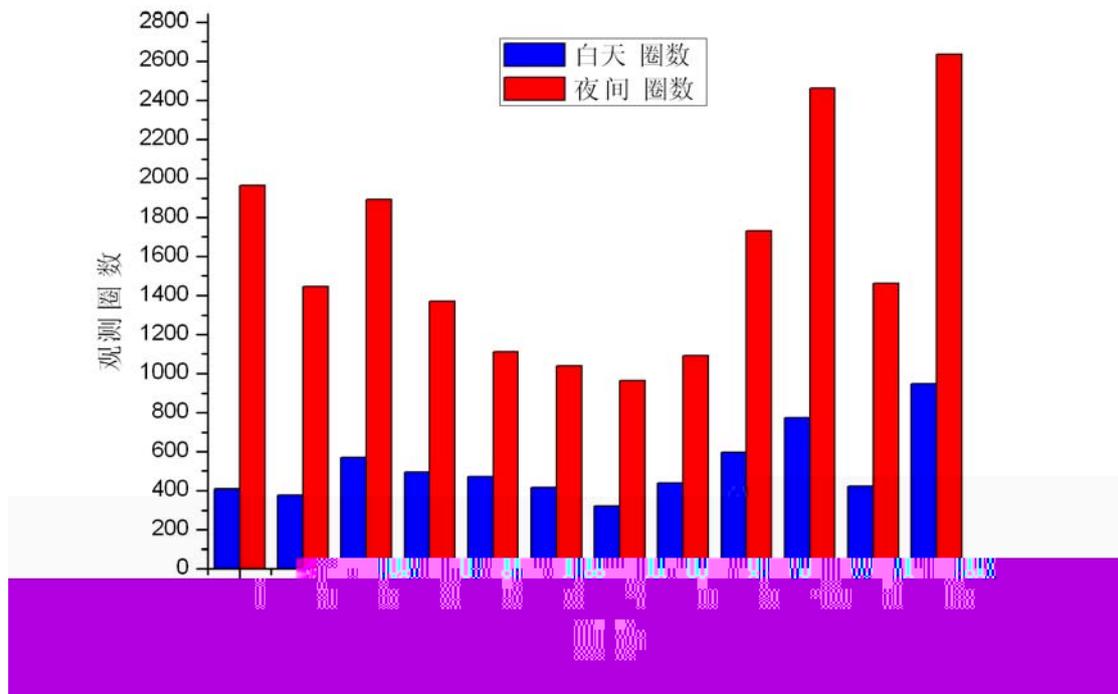
SLR

1.1. 2015

SLR

1	409	1552	1961
2	379	1066	1445
3	570	1323	1893
4	493	876	1369
5	470	640	1110
6	415	622	1037

7	322	642	964
8	438	653	1091
9	597	1135	1732
10	774	1689	2463
11	423	1038	1461
12	947	1687	2634
	6237	12923	19160



1.1.1 2015 SLR

1.2



1.2.1 2015

Ajisai	LEO 1500km
Beacon-C	
Cryosat-2	
Envisat	
Grace-A	
Grace-B	
HY-2A	
Jason-2	
Kompsat-5	
LARES	
LARETS	
Starlette	
Stella	
SARAL	
STSAT2C	
Swarm-A	
Swarm-B	
Swarm-C	
SpinSat	
Tandemx	
Terrasarx	
PN-1A	
Lageos-1	6000km
Lageos-2	
Etalon-1	19100km
Etalon-2	
Glonass-100	19140km
Glonass-101	
Glonass-102	
Glonass-103	
Glonass-105	

42	Glonass-121	
43	Glonass-122	
44	Glonass-123	
45	Glonass-124	
46	Glonass-125	
47	Glonass-126	
48	Glonass-127	
49	Glonass-128	
50	Glonass-129	
51	Glonass-130	
52	Glonass-131	
53	Glonass-132	
54	Glonass-133	
55	Glonass-134	
56	Gps36	20030km
57	GIOVE-A	23916km
58	Galileo-101	23220km
59	Galileo-102	
60	Galileo-103	
61	Galileo-104	
62	Galileo-201	
63	Galileo-202	
64	Galileo-203	
65	Galileo-204	
66	Galileo-205	
67	Compass-G1	21528km-42164km
68	Compass-is1	
69	Compass-is2	
70	Compass-I3	
71	Compass-I5	
72	Compass-M3	
73	Compass-ms1	
74	Compass-ms2	
75	QZS-1	32000-40000km
76	Irns-1a	42164km
77	Irns-1b	
78	Irns-1c	
79	Irns-1d	

2015

8731

1859

12 40

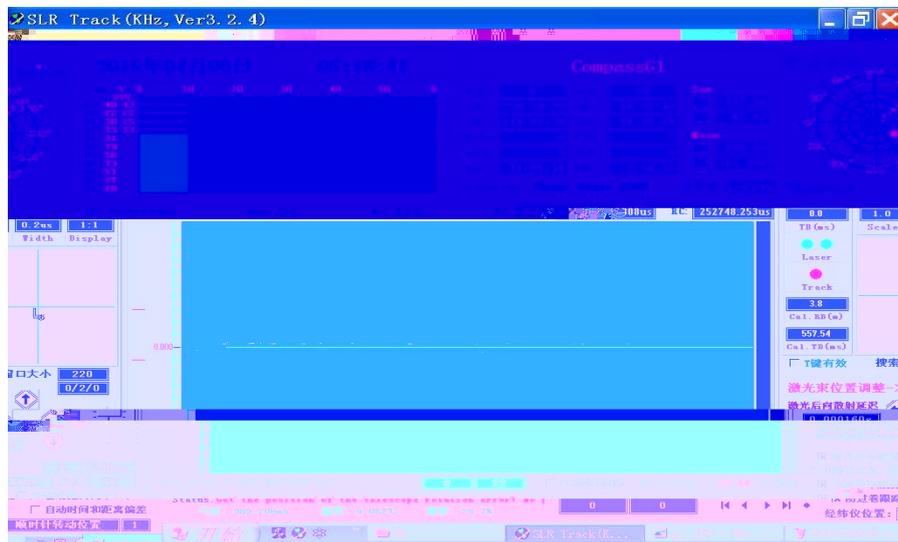
50

COMPASS-G1

13 Compass-G1

1.3.1 2015

Etalon	58	299	357
LAGEOS	583	729	1312
GLONASS	949	3963	4912
GPS36	0	19	19
Galileo	223	774	997
compass	36	741	777
QZS	9	206	215
IINSS	1	141	142
	1859	6872	8731



1.3.1

Compass-G1

1.4

1

2014

ILRS

GNSS

GNSS

GNSS

GNSS

GLONASS

Galileo

GNSS

2015

GNSS

GRAZ

TOPEX

2

- Compass-IS1 MS1 MS2 compass-IS1
KA
- - PN-1A PN-1B
- 3
-

1.5 2015

12

Compass-is1 Compass-is2 Compass-ms1 Compass-ms2 - PN-1A

IRNSS IRNSS-1d

Galileo-202 203 204 205 206 Glonass-134

1.5.1 2015

Compass-is1	11
Compass-is2	3
Compass-ms1	5
Compass-ms2	8
IRNSS-1d	88
Galileo-202	86

Galieo-203	54
Galieo-204	58
Galieo-205	33
Galieo-206	25
PN-1A	32

1.6 SLR

1

SLR

2015 308

84.4%

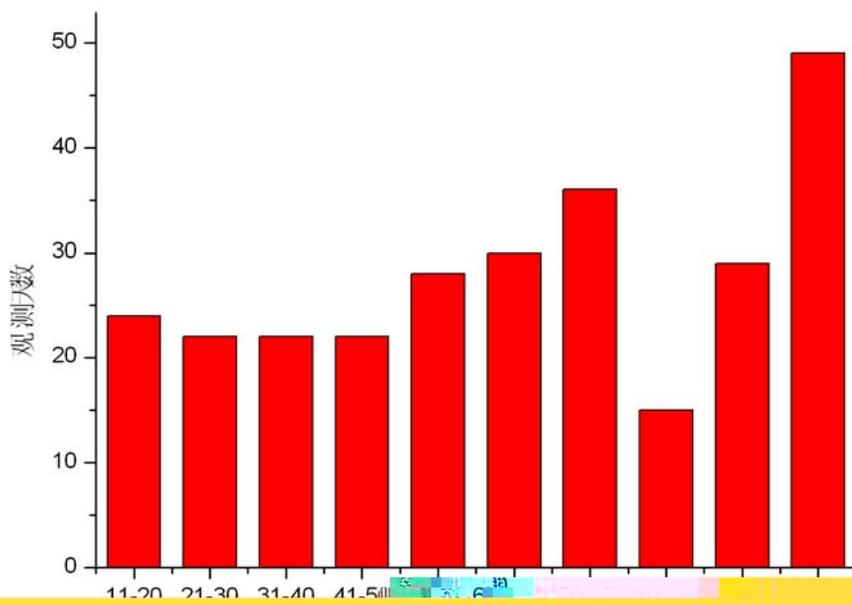
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1.6.1 2015

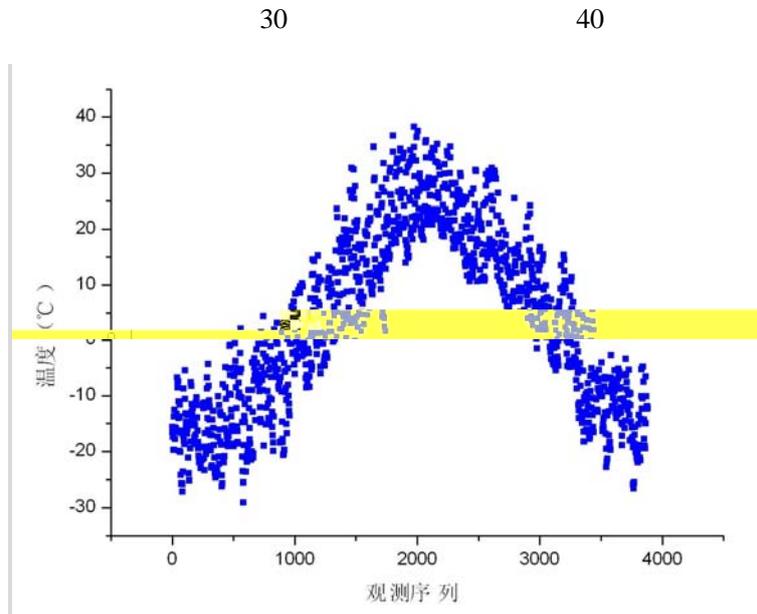
1	29
2	23
3	28
4	26
5	24
6	23
7	26
8	24
9	27
10	29
11	22
12	27
	308

1.6.2. 2015

	2015
1 -10	31
11 -20	24
21 -30	22
31 -40	22
41 -50	22
51 -60	28
61 -70	30
71 -80	36
81 -90	15
91 -100	29
100	49
	308



1.6.1 2015



1.6.1 2015

1.7

1 2015

SLR

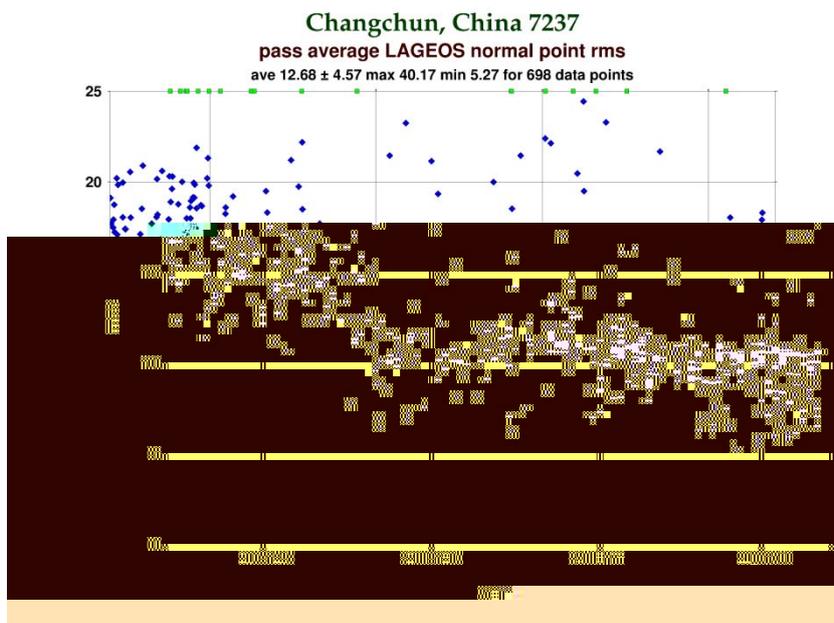
KHz SLR

2015

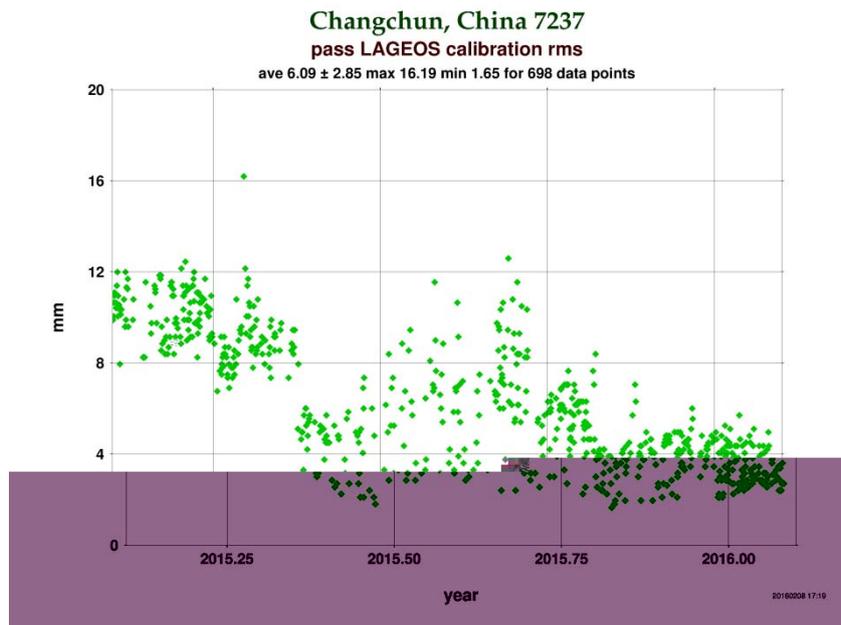
LAGEOS

1.7.1

1.7.2



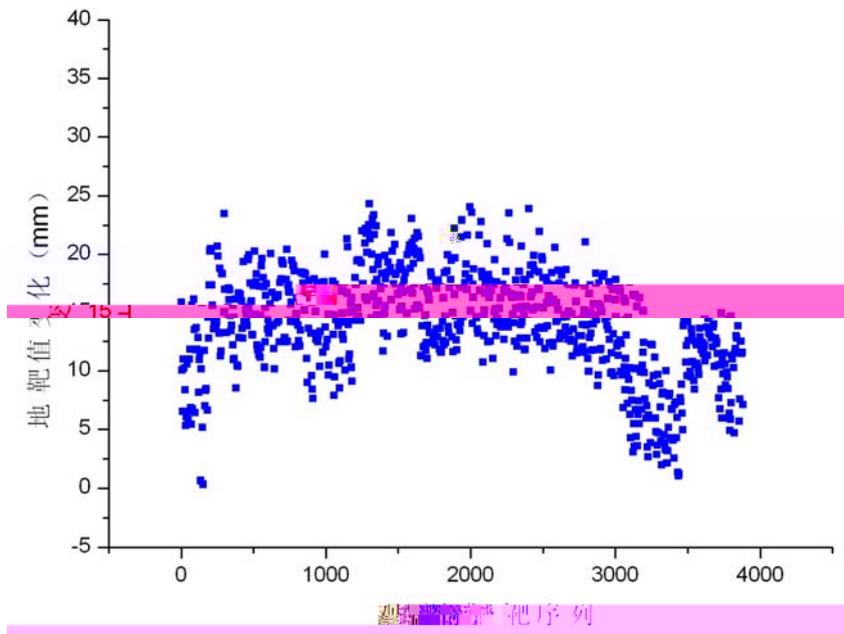
1.7.1 2015 LAGEOS



1.7.2 2015 LAGEOS

2 2015

1.7.3 2015 SLR



1.7.3 2015 SLR

2015

1
PI KHz 2015 22000
1W SESAM

2
CCD

3

4

2015

2015 12 SLR 60cm
20 23 RCS
1.4m² 596 1443

2015 1KHz 1mJ
12 51 TLE
TLE

TLE

2015 SLR
SLR 19160

LAGEOS 583

1859

2015