

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4724 - L2 Version 001
Chandra X-Ray Center

L2 Processing Date : Jun 5 2006

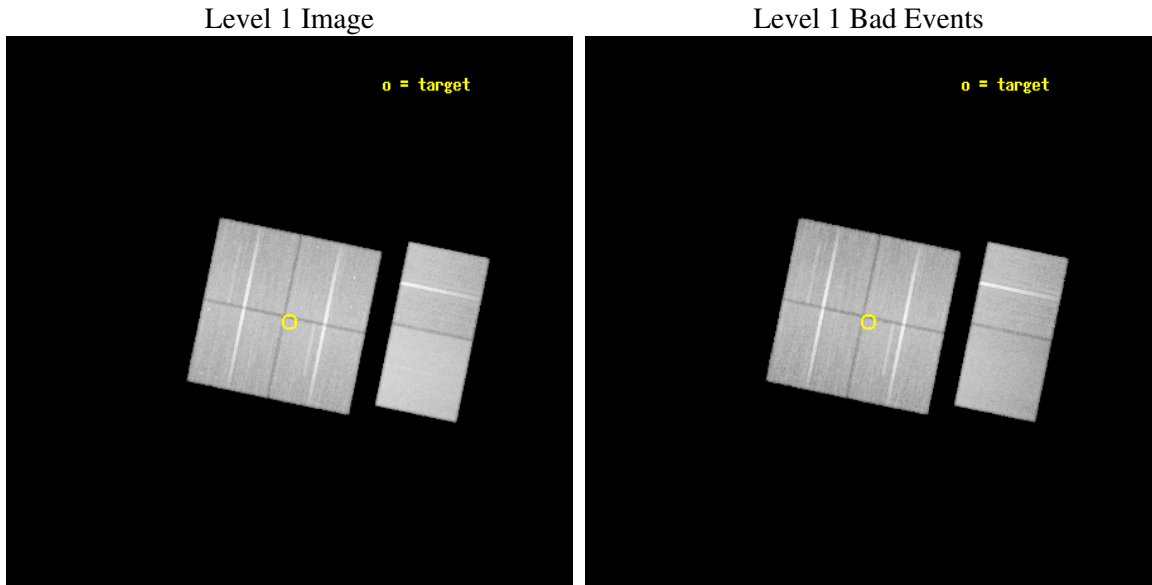
Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
3	Point Sources	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

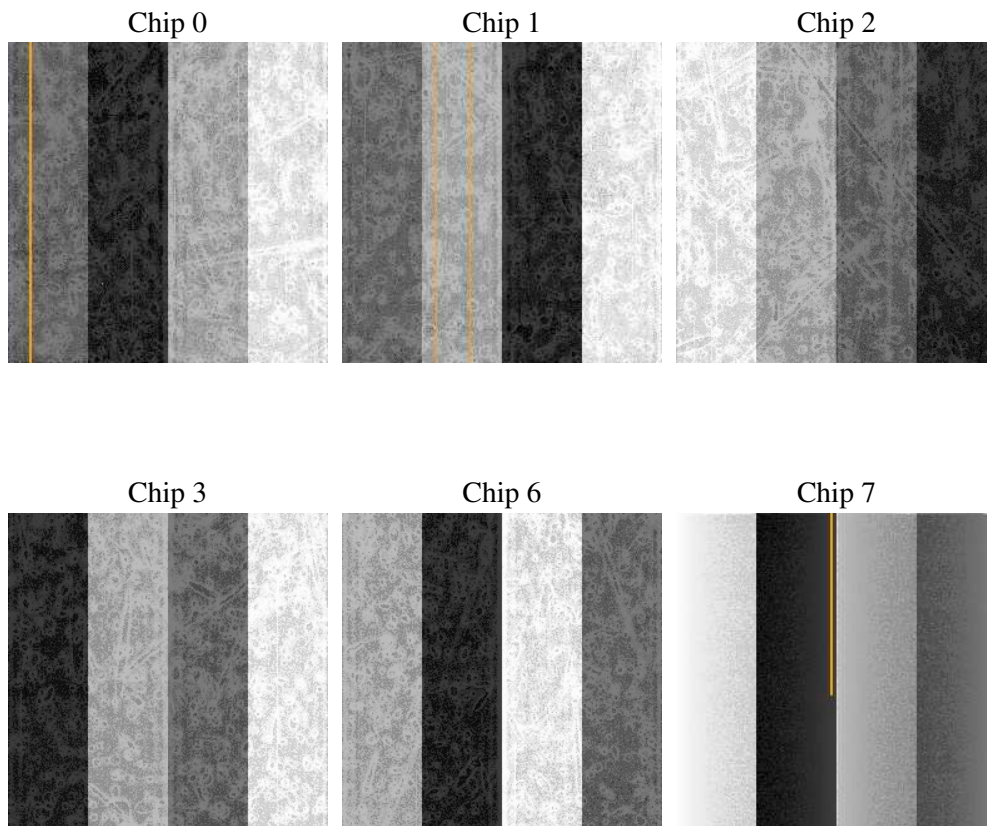
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-06-05T22:30:50
revision	3

sched_exp_time	60287.976000
ontime	60794.874100268
ontime0	60801.356100619
ontime1	60791.633139789
ontime2	60791.633139819
ontime3	60794.874100268
ontime6	60791.633129925
ontime7	60798.115110338
l1events	2570995

2.1.4 Events

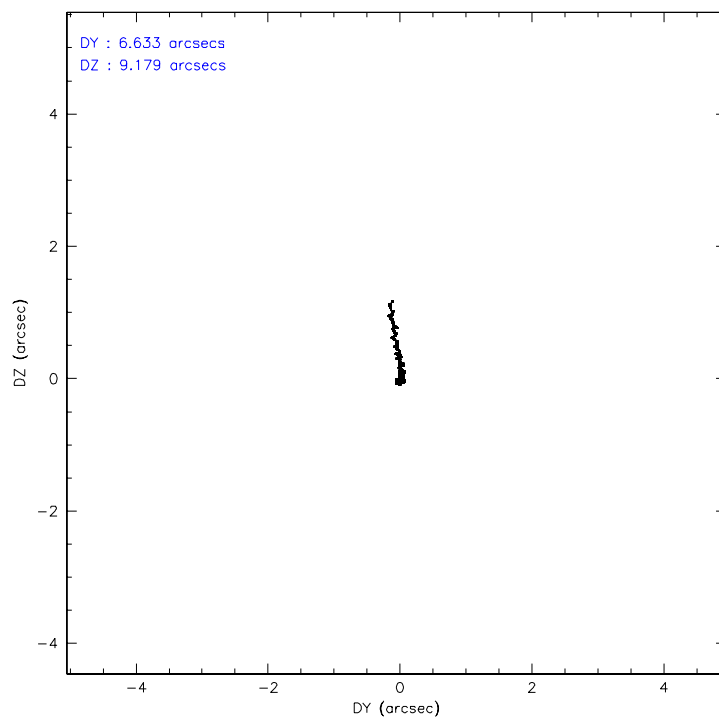
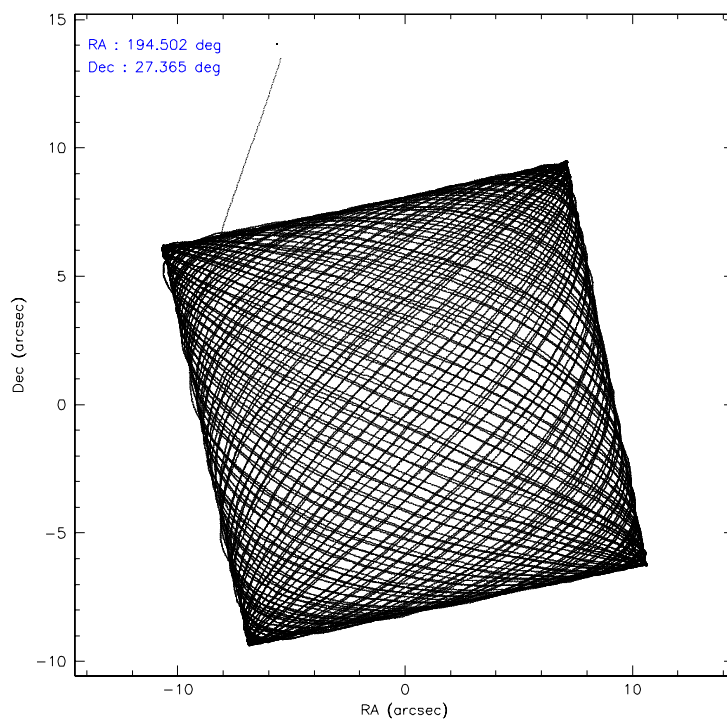
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	372902	376701	415457	399914	441185	564836
rejected events	311951	319058	350820	345911	369780	337927
rejected %	83%	84%	84%	86%	83%	59%

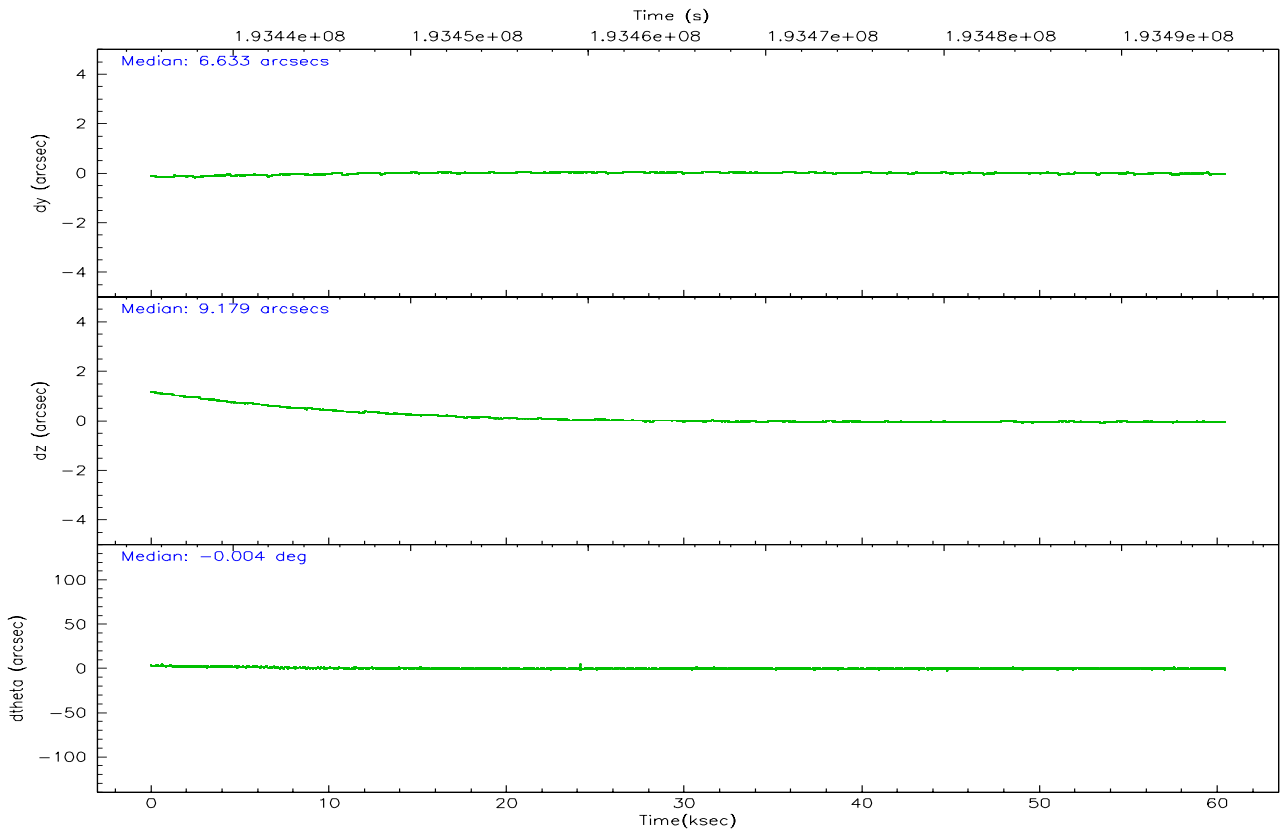
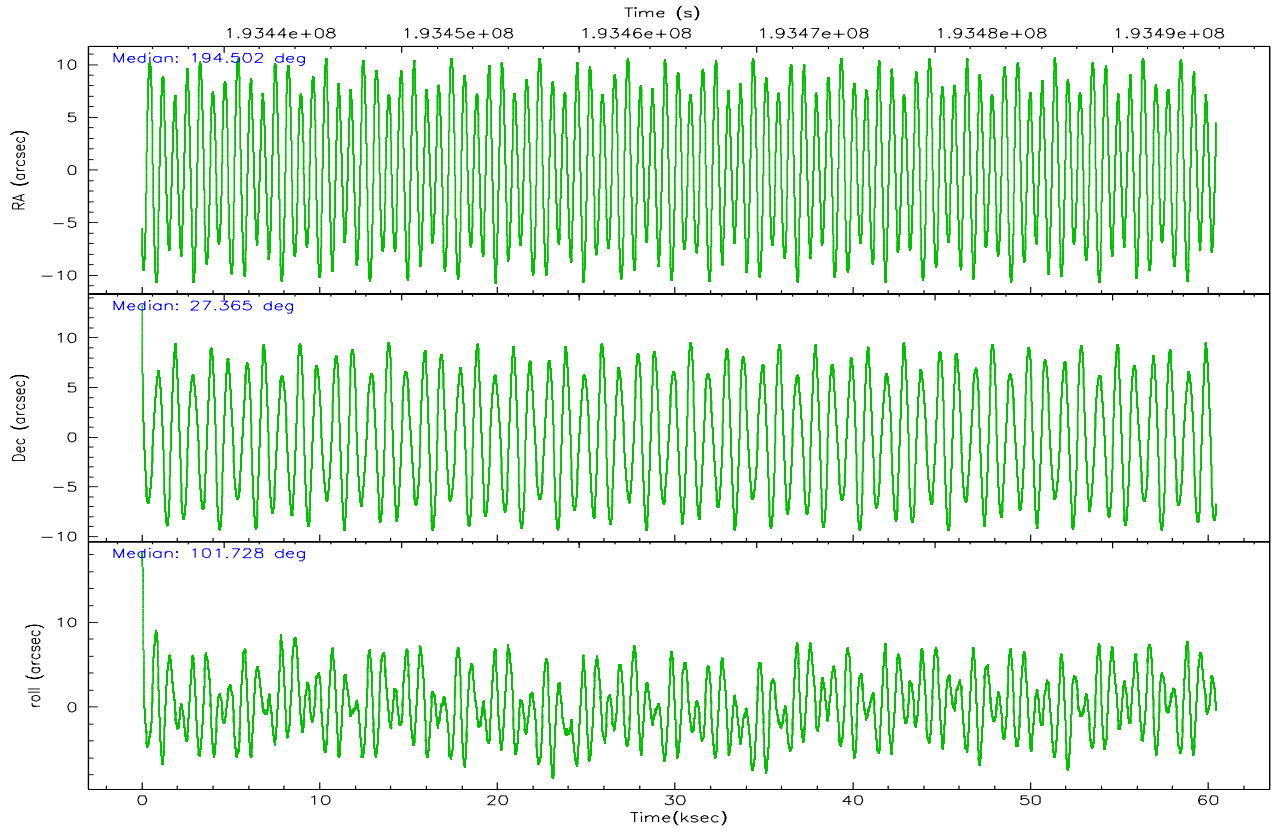
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	31242	25777	35847	26529	38567	17665
	8%	6%	8%	6%	8%	3%
grade 1 events	255	183	300	266	268	323
	0%	0%	0%	0%	0%	0%
grade 2 events	11275	11679	11029	9647	12375	56566
	3%	3%	2%	2%	2%	10%
grade 3 events	5277	5269	5065	4817	5285	12581
	1%	1%	1%	1%	1%	2%
grade 4 events	4743	5184	4867	4879	5084	12191
	1%	1%	1%	1%	1%	2%
grade 5 events	16077	16593	15434	17695	18718	35465
	4%	4%	3%	4%	4%	6%
grade 6 events	8787	10103	8188	8465	10462	129193
	2%	2%	1%	2%	2%	22%
grade 7 events	295246	301913	334727	327616	350426	300852
	79%	80%	80%	81%	79%	53%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	194.522880	194.5022621679203	Alternating exposures requested	N	N
Pointing Dec	27.345076	27.36541900618338	Primary exposure time	0.000000	3.2
Pointing Roll	101.516177	101.7343436457142			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	193435559.184000	193434325.52827			
Observation start date	2004-02-17T20:04:55	2004-02-17T19:45:25			
Observation end time	193495847.184000	193496162.24348			
Observation end date	2004-02-18T12:49:43	2004-02-18T12:56:02			
Read mode	TIMED	TIMED			

2.3 Aspect



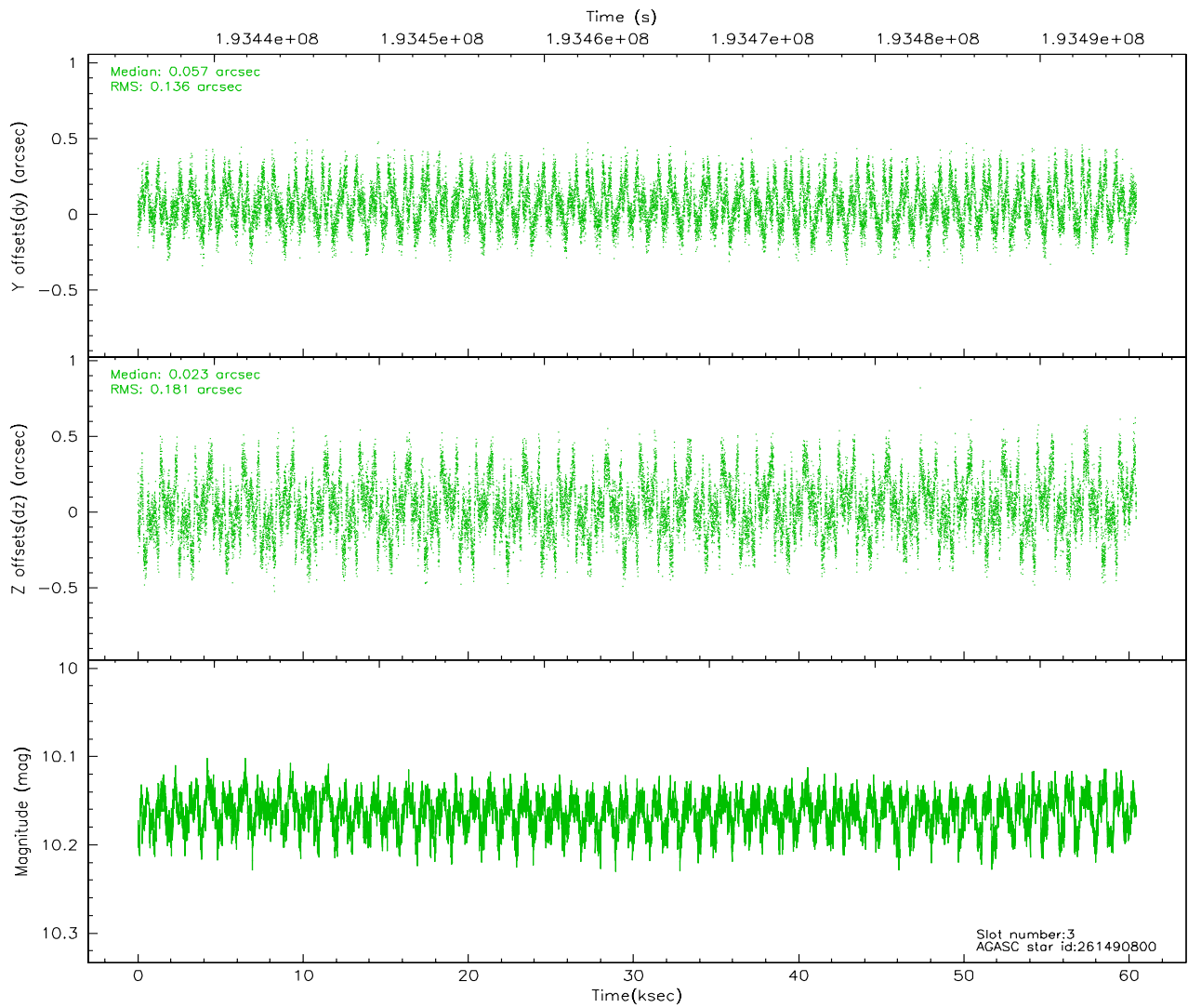
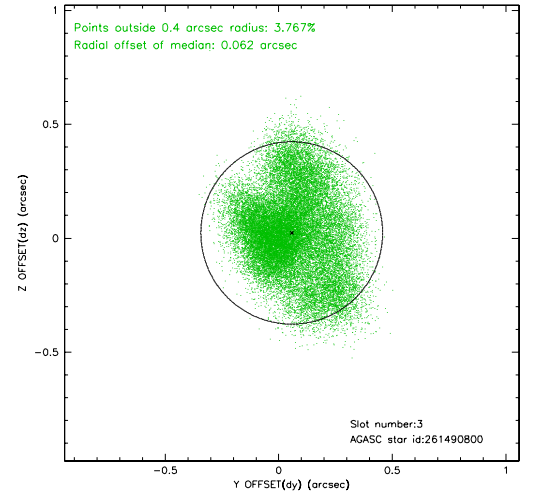
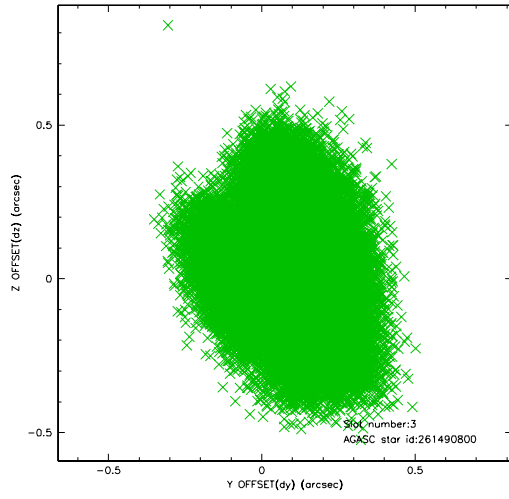


Slot Statistics

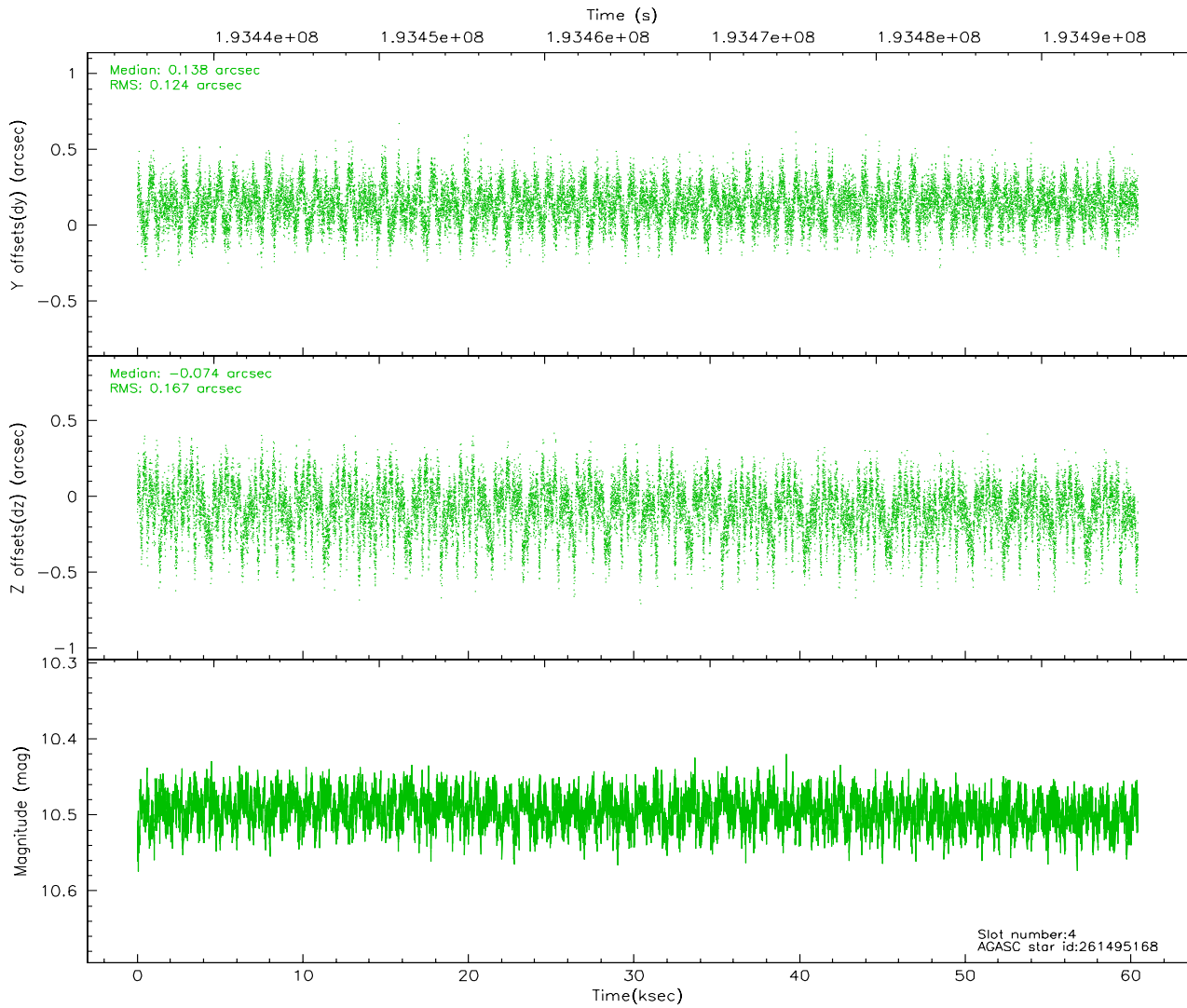
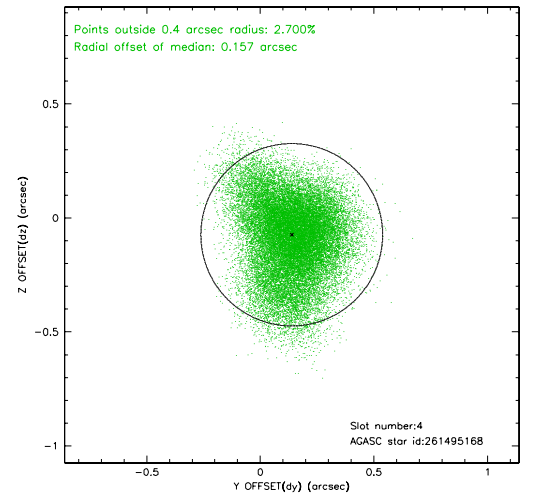
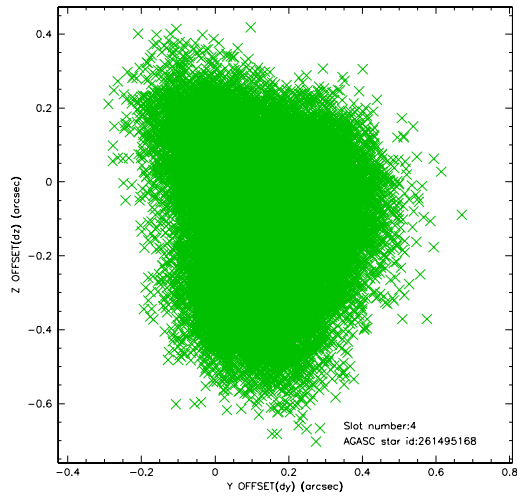
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	14742	-0.019	0.017	0.005	0.024	0.000000	0.000000	933.08	-832.74
1	FID	ACIS-I-5	7.23	14740	-0.042	0.033	0.005	0.024	0.000000	0.000000	-1815.14	1064.70
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	261490800	10.16	29364	0.057	0.023	0.248	0.385	195.029641	27.224508	-745.37	-1503.43
4	GUIDE	261495168	10.50	29447	0.138	-0.074	0.221	0.364	193.929693	26.952985	-998.72	2145.80
5	GUIDE	261502496	7.38	29485	-0.116	0.071	0.078	0.135	194.887297	28.065668	2312.83	-1652.18
6	GUIDE	261503592	7.86	29479	-0.100	-0.046	0.068	0.108	193.784432	27.766358	1962.41	2001.16
7	GUIDE	261505232	9.80	29461	0.015	0.036	0.109	0.175	194.216553	27.802521	1809.49	627.13

2.4 Star Slots

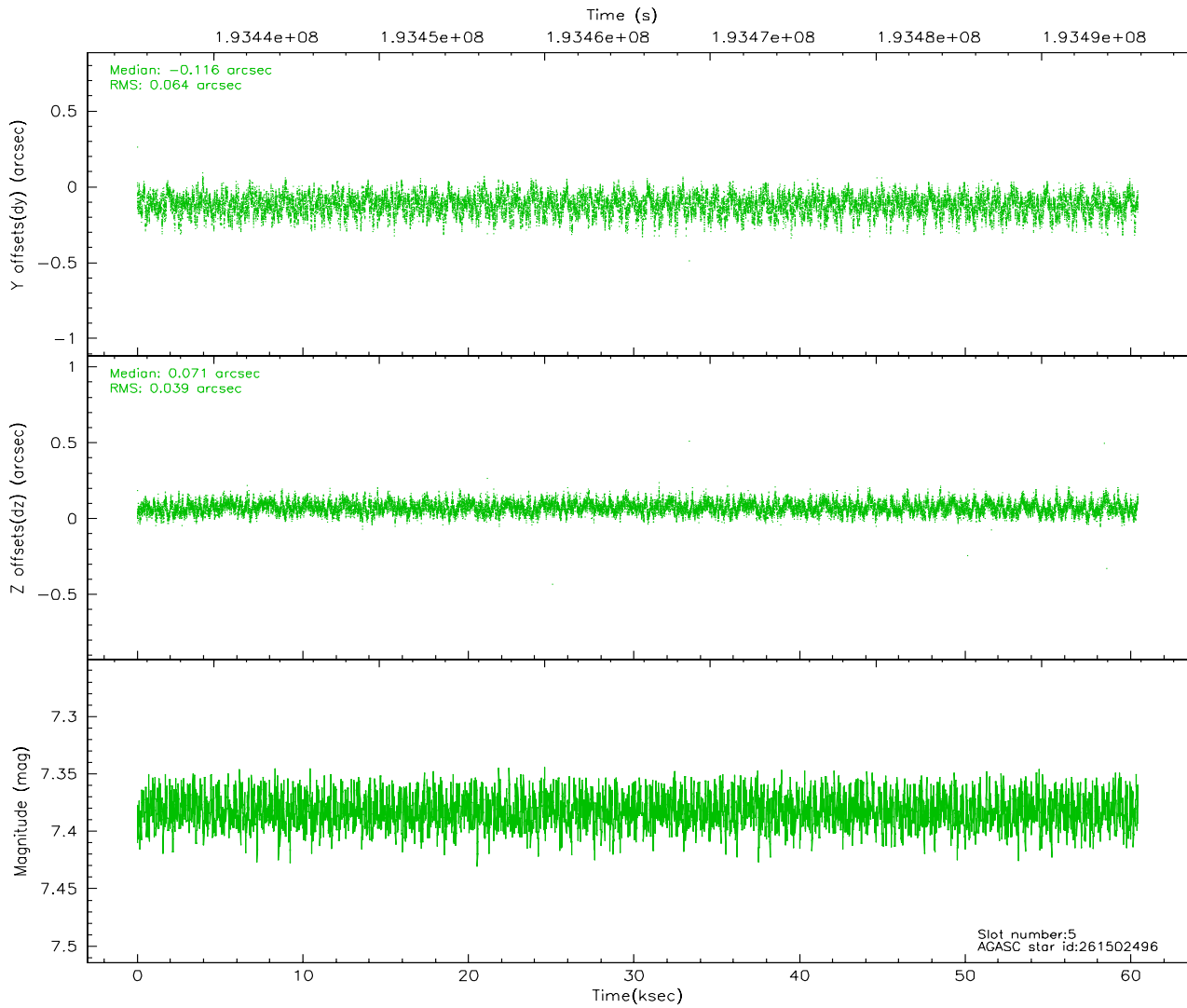
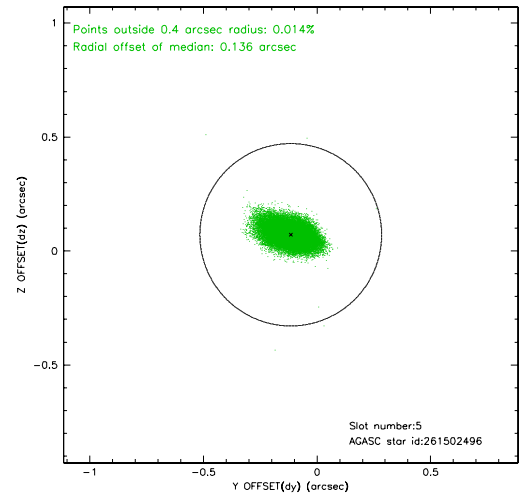
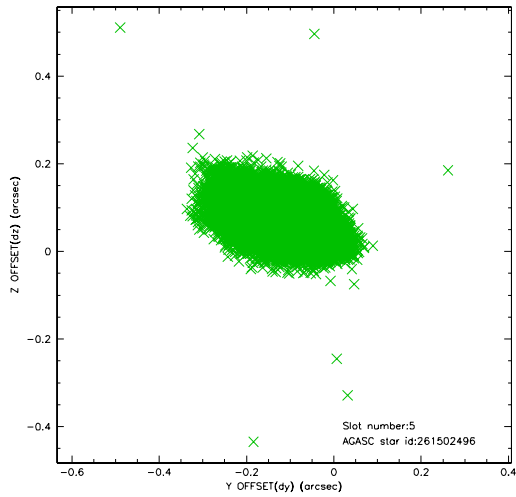
2.4.1 Slot 3



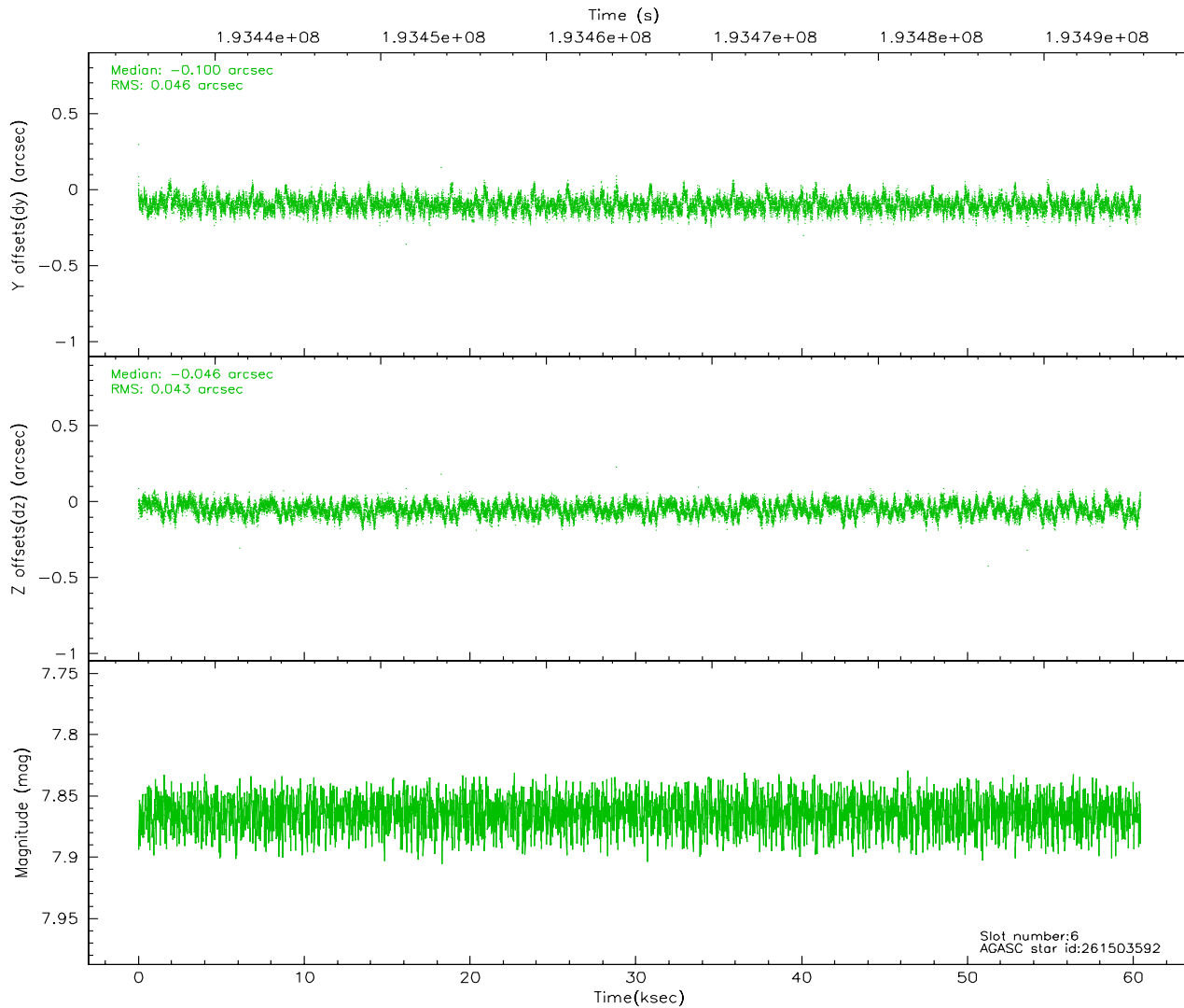
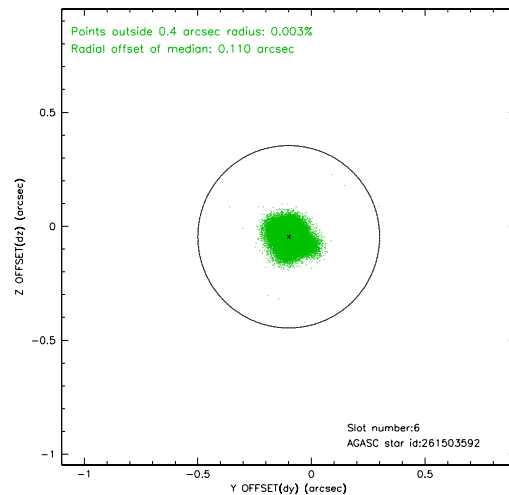
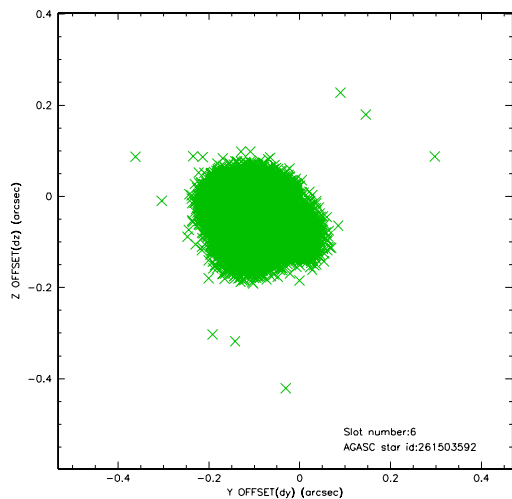
2.4.2 Slot 4



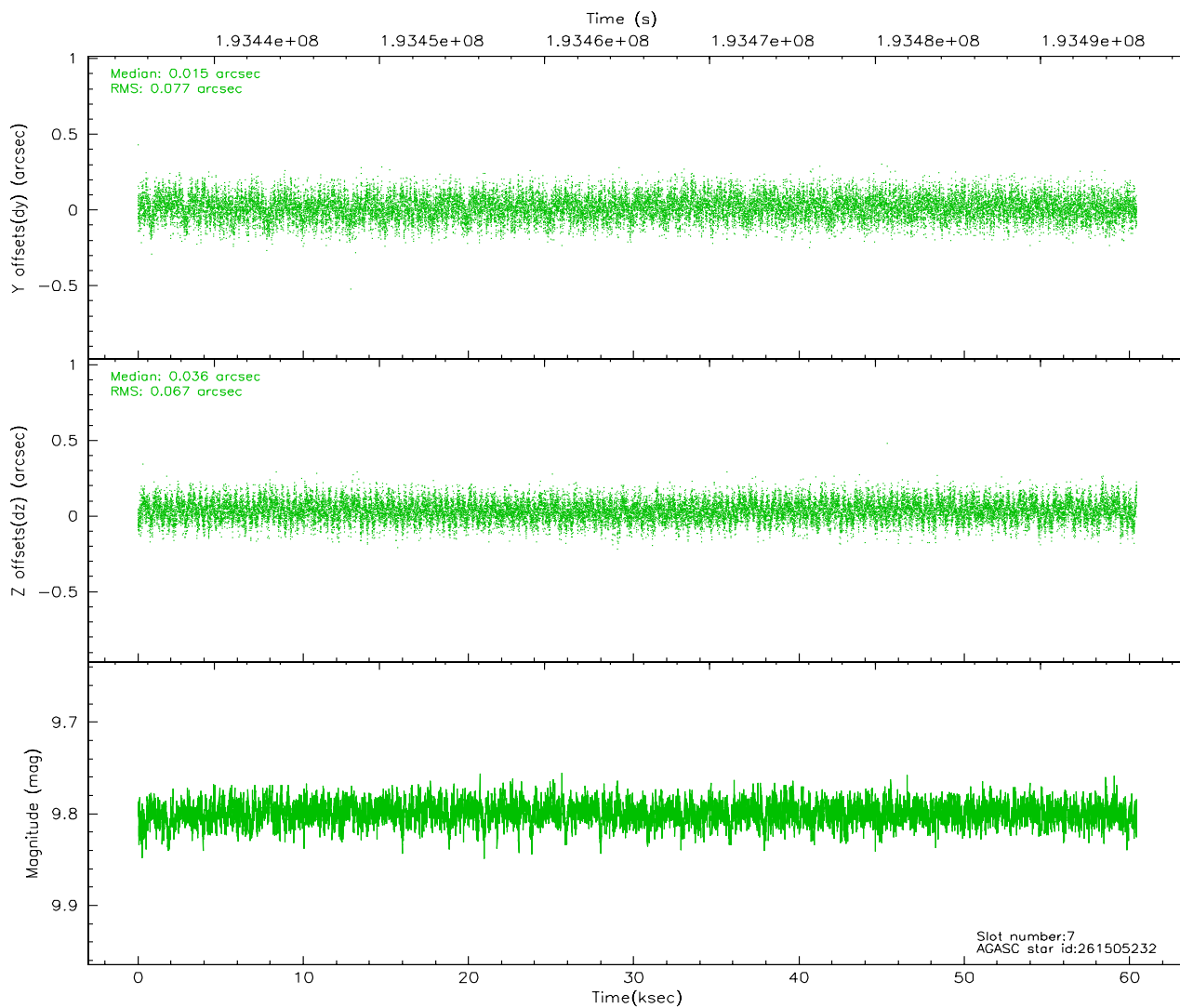
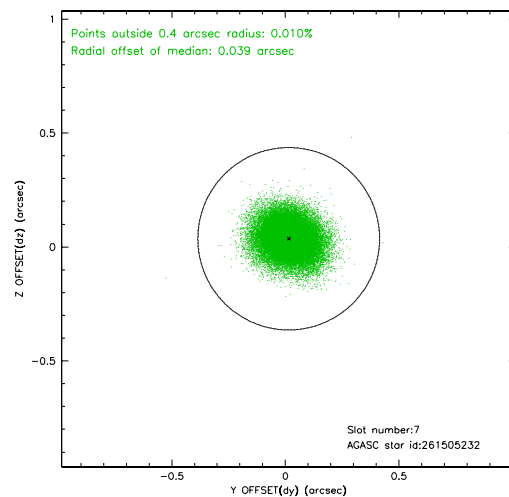
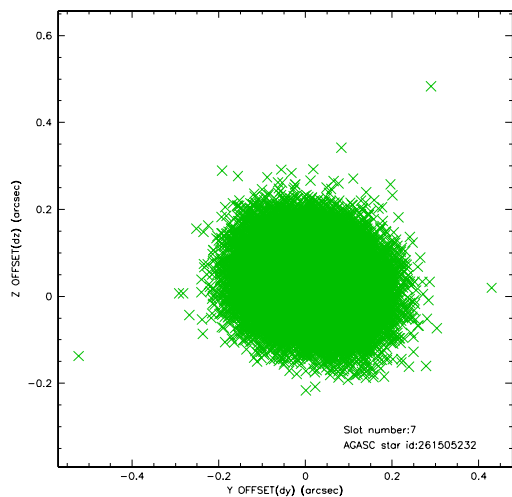
2.4.3 Slot 5



2.4.4 Slot 6

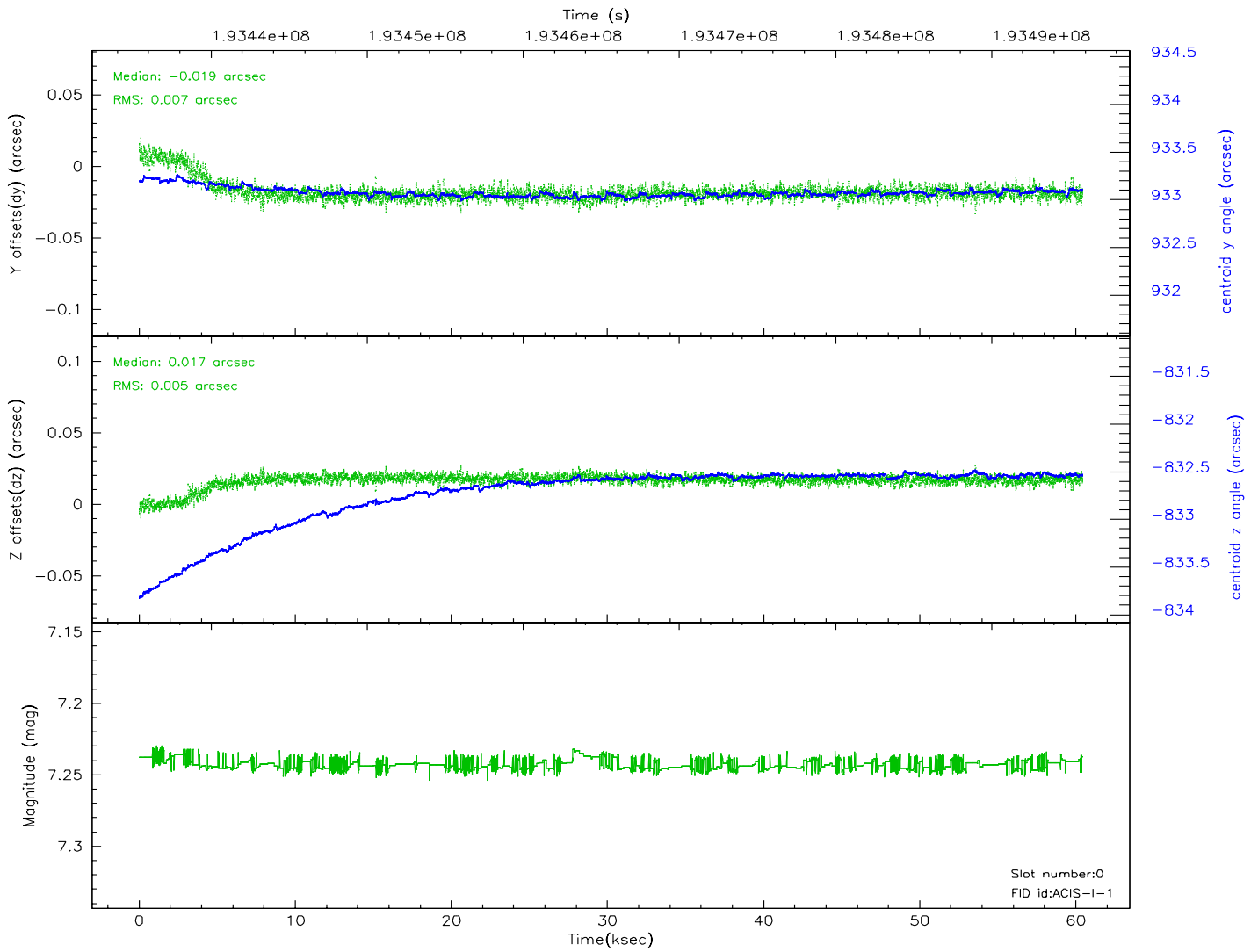
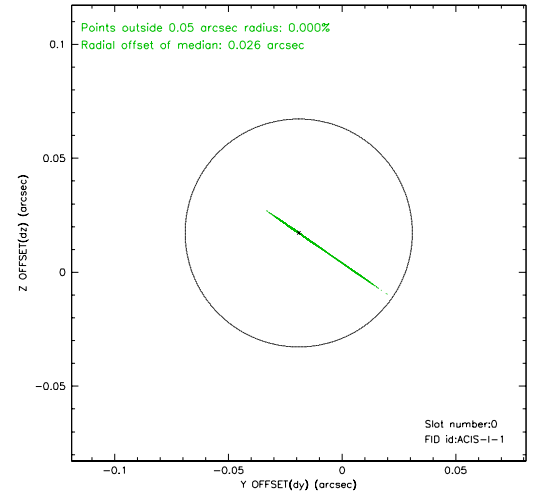
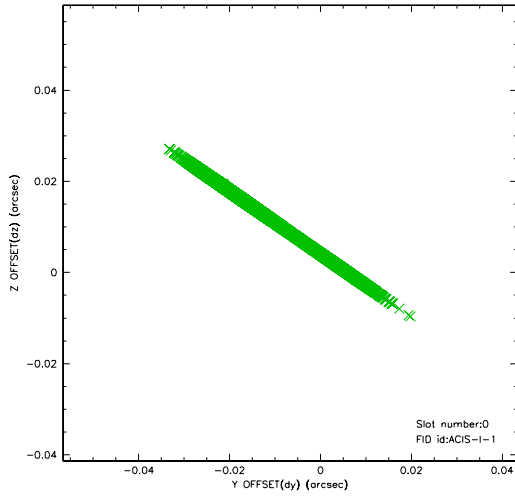


2.4.5 Slot 7

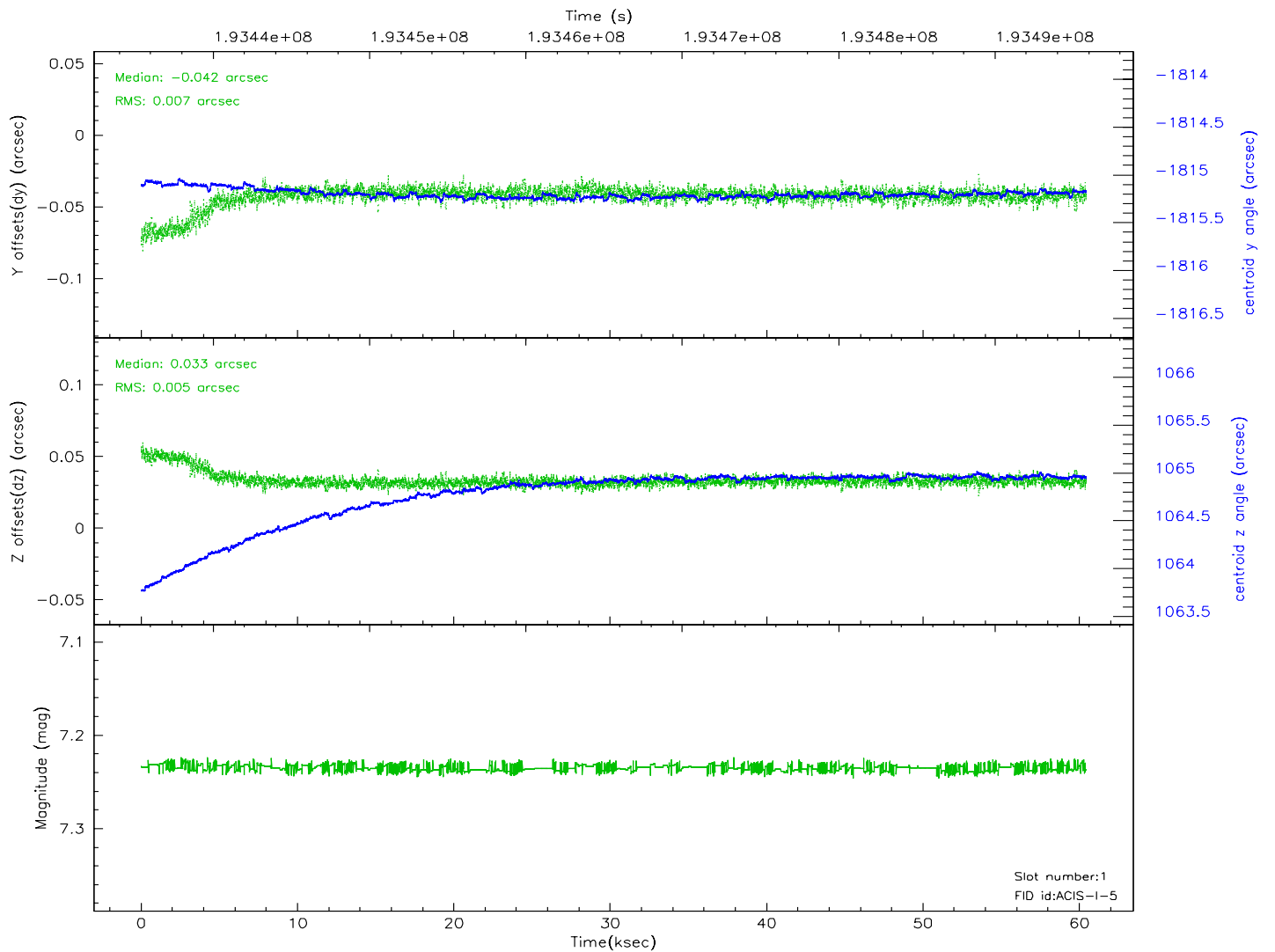
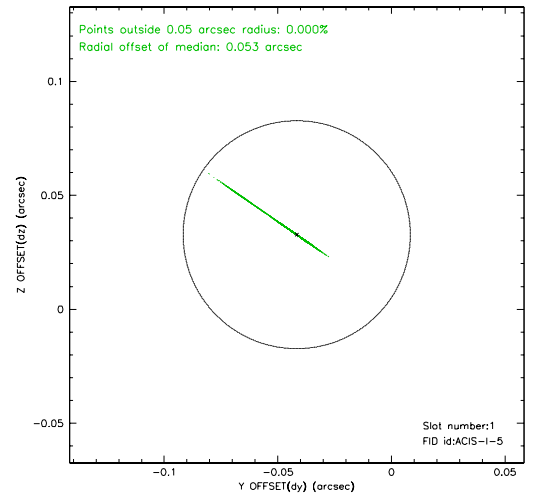
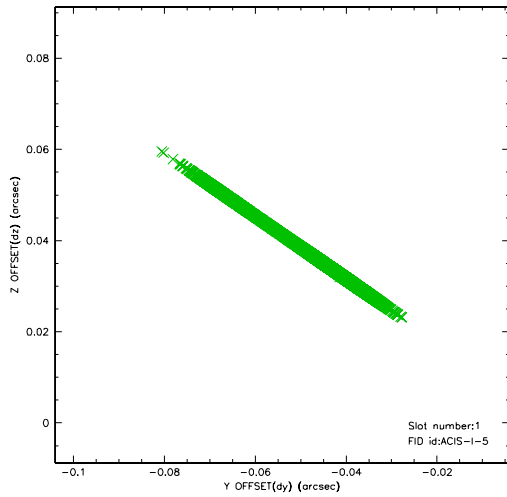


2.5 FID Slots

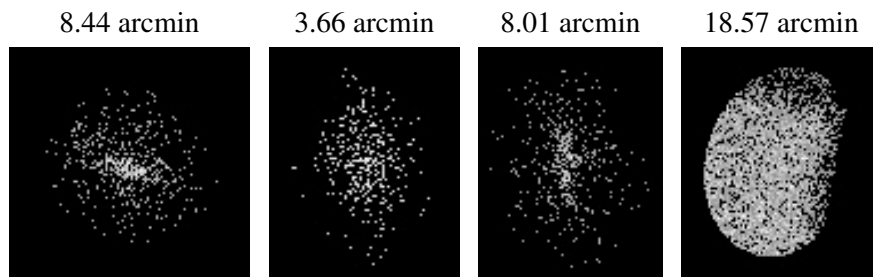
2.5.1 Slot 0



2.5.2 Slot 1



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.10.04
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	60.444

A.2 Comments

The fid light in slot 2 was manually excluded from the processing due to poor data quality.

Focal plane temperature is warmer than -118.7 C degrees during the last ~20 ksec of this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation. Users whose science objectives depend on the most accurate spectral response (i.e.: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.