

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5701 - L2 Version 002
Chandra X-Ray Center

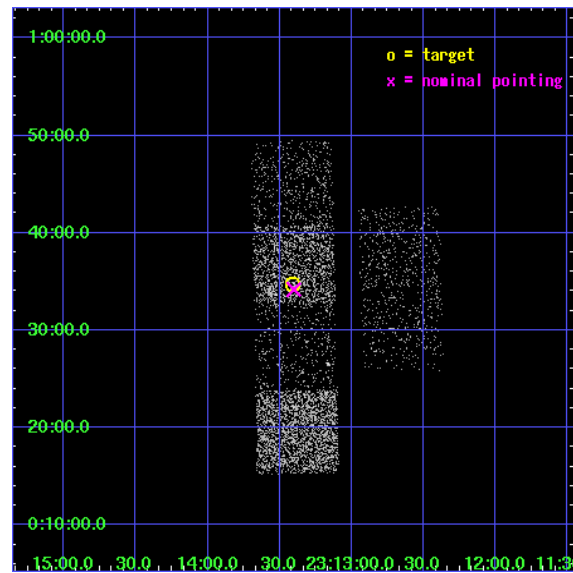
L2 Processing Date : Mar 25 2006

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1 Front

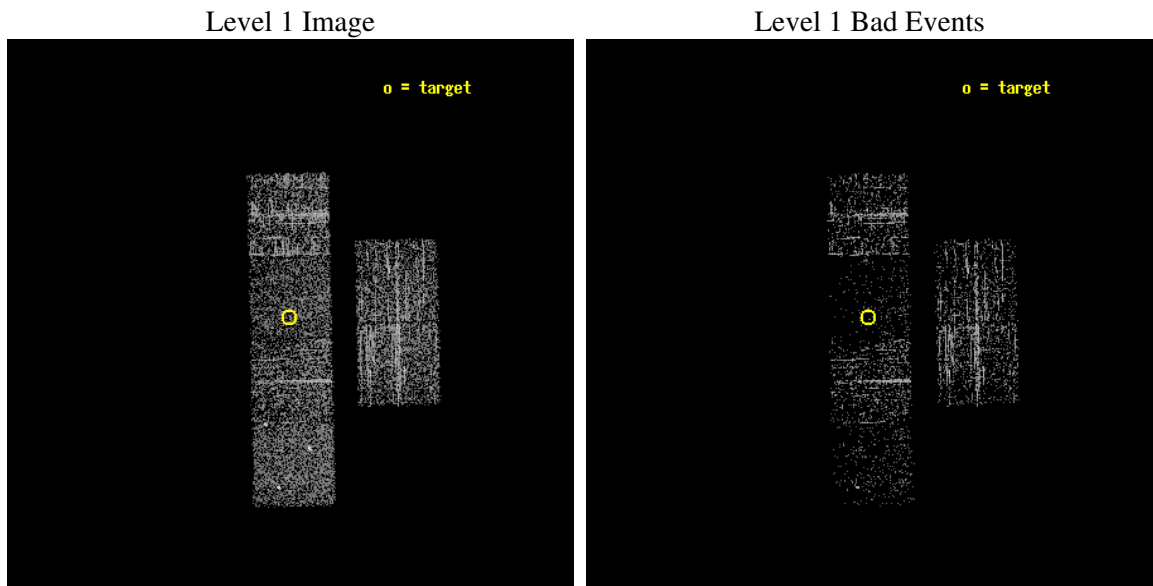
seq_num	701123
obs_id	5701
title	A Uniform Chandra Survey of the Brightest and Most Extreme SDSS BALQSOs
observer	Dr. Scott Anderson
object	SDSS J231324.46+003444.5
dtcycle	0
cycle	P
ra_targ	348.352083
dec_targ	0.579028
ra_nom	348.35044160349
dec_nom	0.56981165235721
roll_nom	268.83747042495
revision	2
ontime	1148.7999957204
livetime	1134.2531984503
ontime2	1148.7999957204
ontime3	1148.7999957204
ontime5	1148.7999957204
ontime6	1148.7999957204
ontime7	1148.7999957204
ontime8	1148.7999957204
l2events	5845



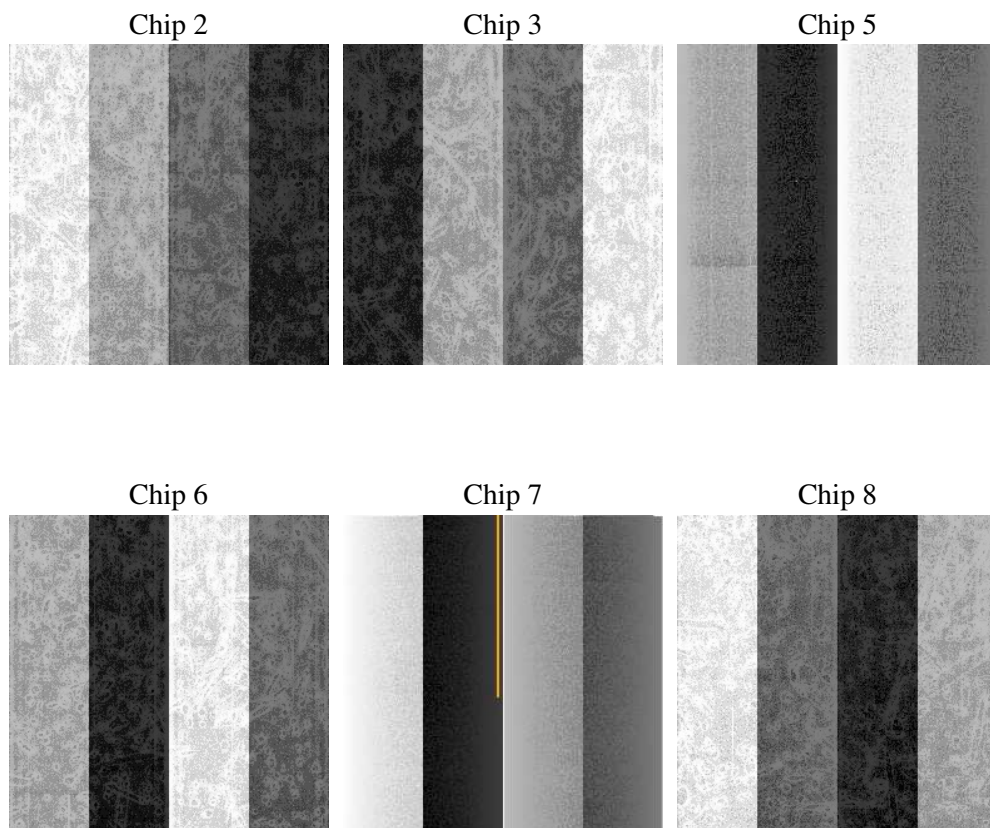
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-25T22:22:17
revision	2

sched_exp_time	1000.000000
ontime	1153.7965832651
ontime2	1153.7965832651
ontime3	1153.7965832651
ontime5	1153.7965832651
ontime6	1153.7965633571
ontime7	1153.7965832651
ontime8	1153.7965832651
l1events	30855

2.1.4 Events

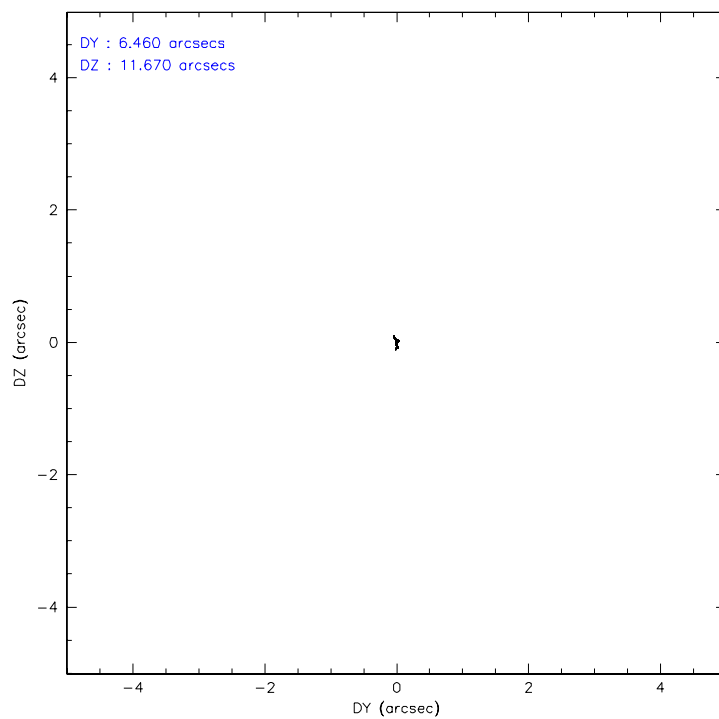
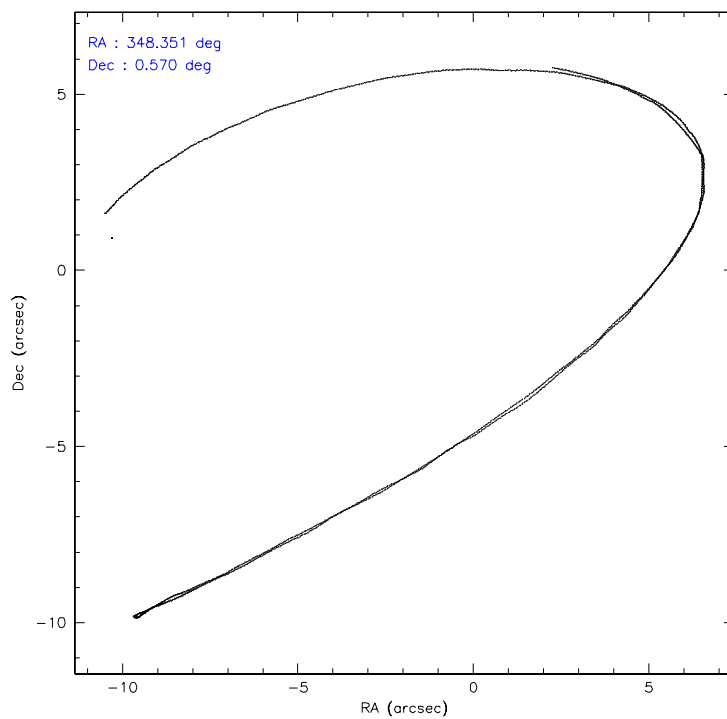
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6245	5107	5027	4903	3224	6349
rejected events	5780	4649	2004	4423	1386	4850
rejected %	92%	91%	39%	90%	42%	76%

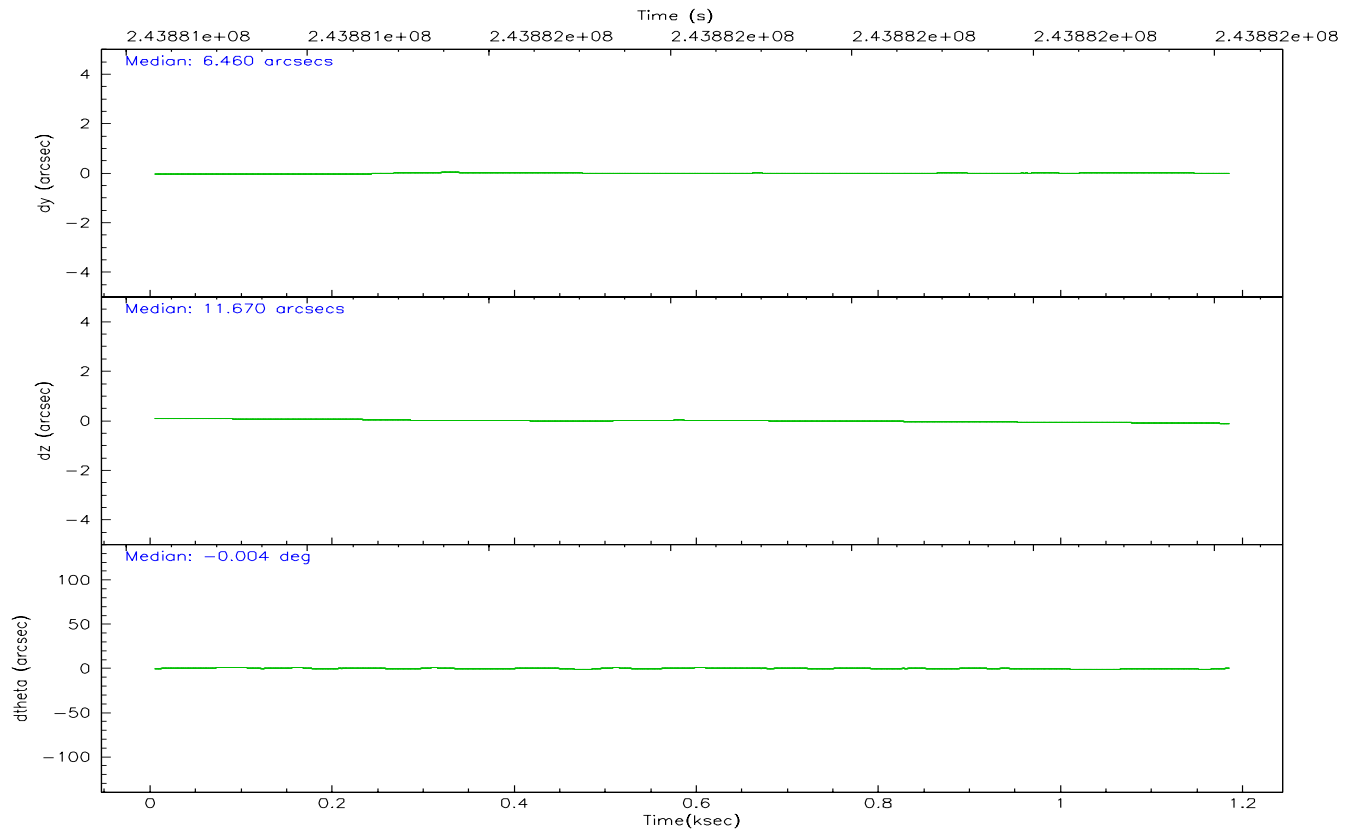
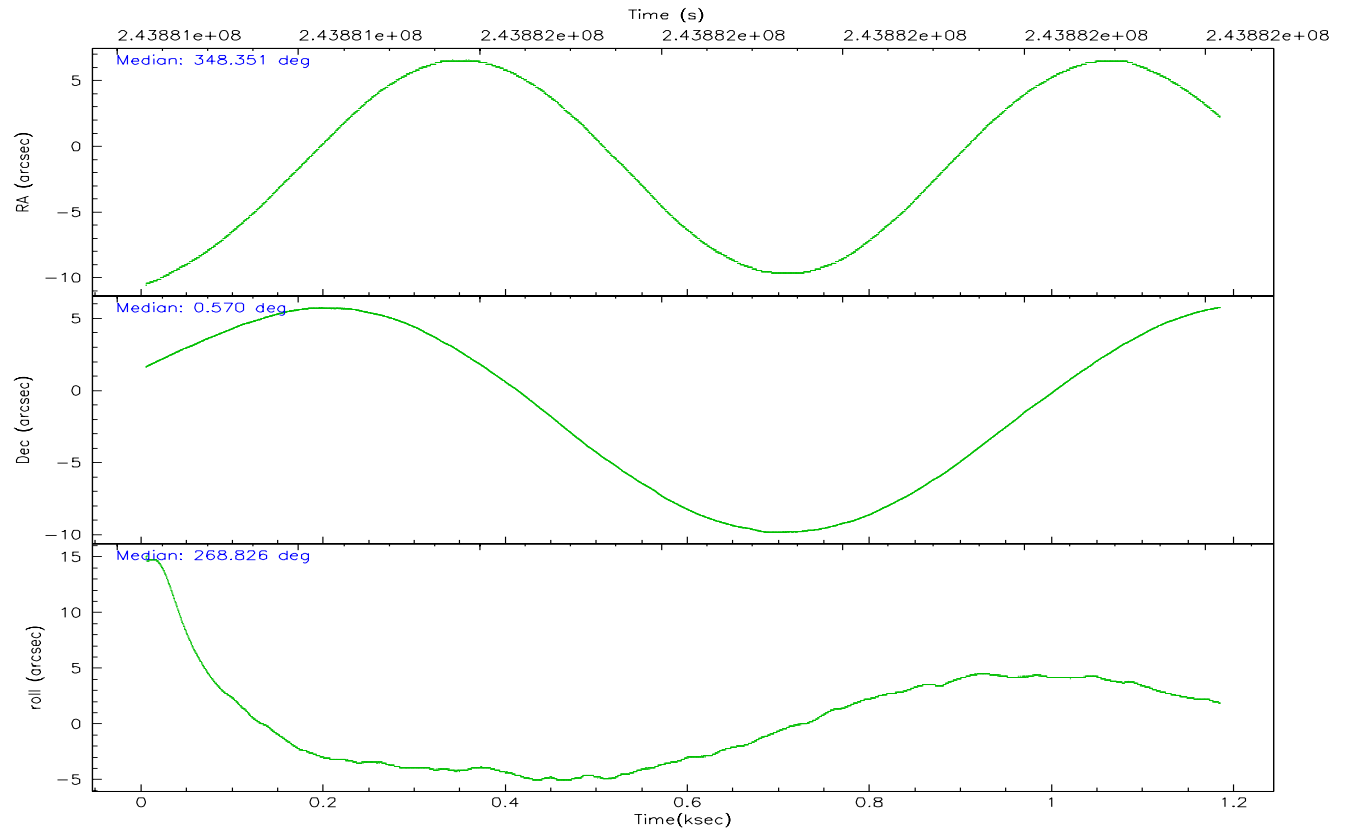
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	188	186	415	215	196	388
	3%	3%	8%	4%	6%	6%
grade 1 events	4	1	10	0	2	1
	0%	0%	0%	0%	0%	0%
grade 2 events	123	118	1066	102	555	423
	1%	2%	21%	2%	17%	6%
grade 3 events	40	47	115	66	123	151
	0%	0%	2%	1%	3%	2%
grade 4 events	40	55	94	44	133	145
	0%	1%	1%	0%	4%	2%
grade 5 events	76	102	300	108	245	196
	1%	1%	5%	2%	7%	3%
grade 6 events	74	57	1350	54	843	397
	1%	1%	26%	1%	26%	6%
grade 7 events	5700	4541	1677	4314	1127	4648
	91%	88%	33%	87%	34%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	348.336738	348.3504416034904	Alternating exposures requested	N	N
Pointing Dec	0.593219	0.5698116523572072	Primary exposure time	0.000000	3.2
Pointing Roll	268.680912	268.8374704249549			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	243881418.184000	243880364.43244			
Observation start date	2005-09-23T16:49:14	2005-09-23T16:32:44			
Observation end time	243882418.184000	243883113.99506			
Observation end date	2005-09-23T17:05:54	2005-09-23T17:18:33			
Read mode	TIMED	TIMED			

2.3 Aspect



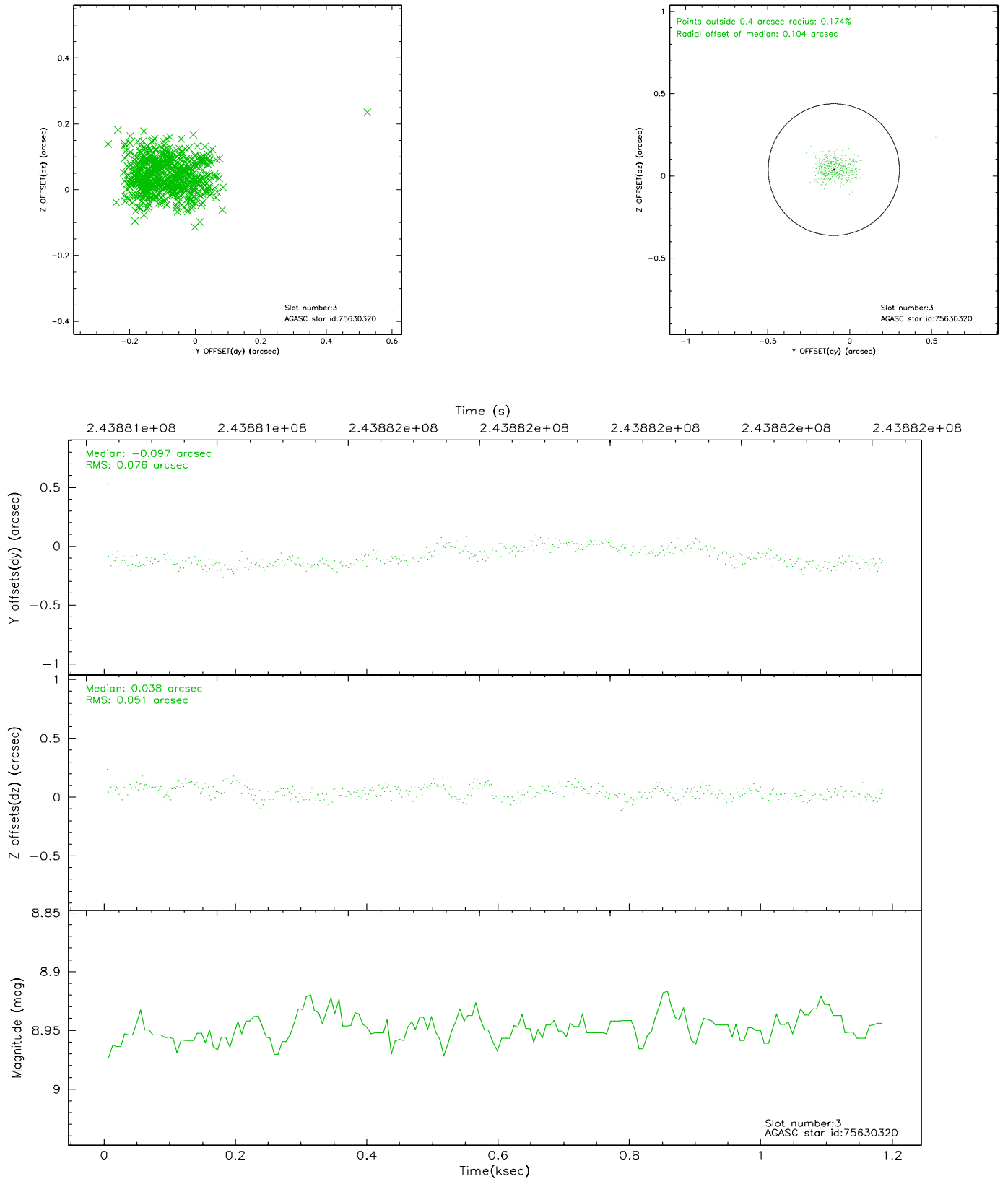


Slot Statistics

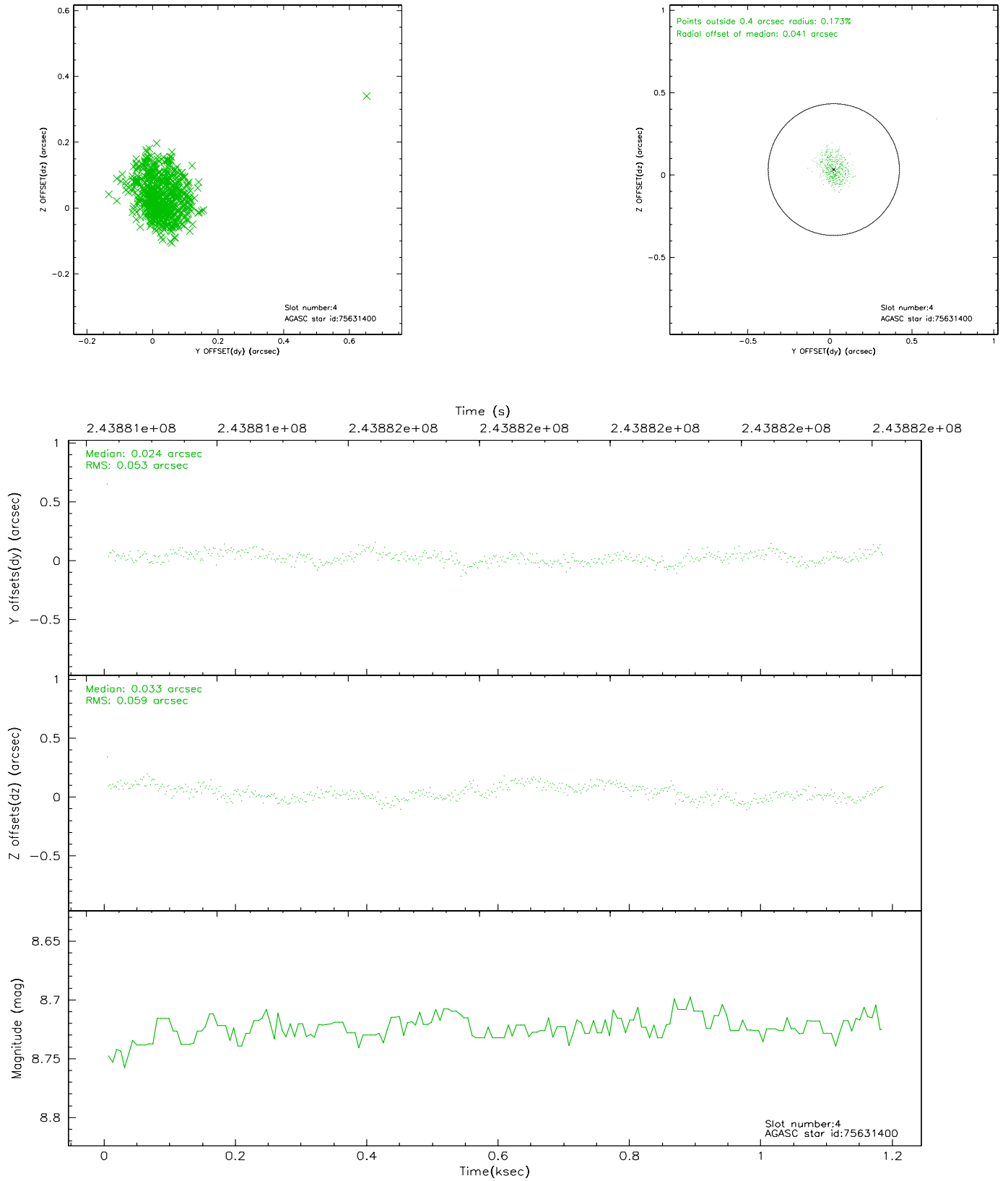
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	288	-0.032	0.007	0.006	0.010	0.000000	0.000000	-759.22	-1732.90
1	FID	ACIS-S-4	7.20	288	0.029	0.013	0.005	0.008	0.000000	0.000000	2151.55	169.74
2	FID	ACIS-S-5	7.23	289	-0.029	-0.013	0.006	0.011	0.000000	0.000000	-1804.82	169.80
3	GUIDE	75630320	8.95	576	-0.097	0.038	0.094	0.151	347.710960	0.409726	715.21	-2237.41
4	GUIDE	75631400	8.72	577	0.024	0.033	0.082	0.126	347.939316	0.223451	1366.42	-1403.54
5	GUIDE	75632512	9.44	577	0.123	0.126	0.107	0.166	348.227941	1.066786	-1691.14	-434.39
6	GUIDE	75632176	8.02	576	-0.105	-0.099	0.053	0.084	348.586215	1.226122	-2300.59	843.53
7	GUIDE	75633944	9.64	574	0.047	-0.111	0.118	0.178	348.993380	0.669916	-334.01	2357.69

2.4 Star Slots

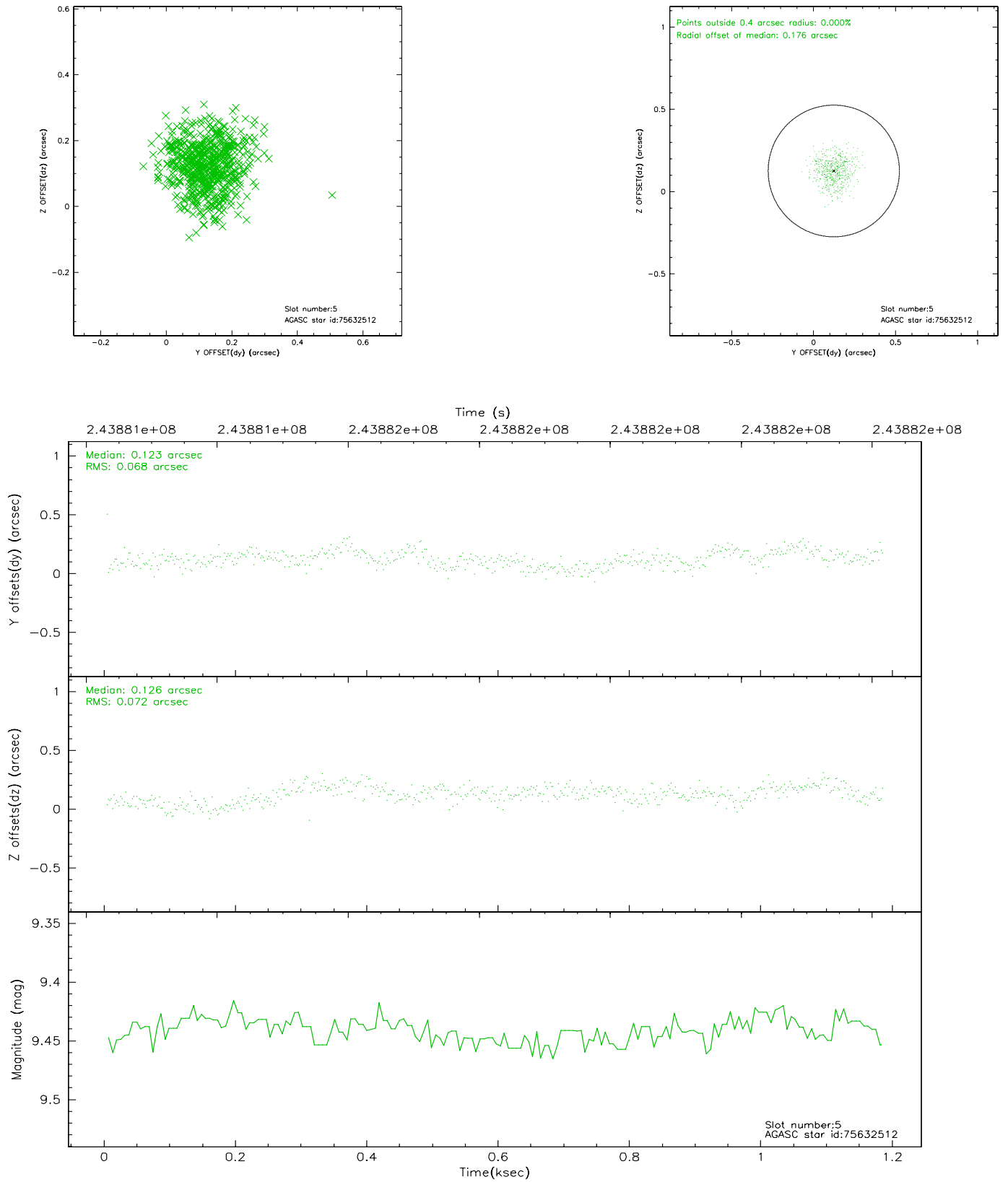
2.4.1 Slot 3



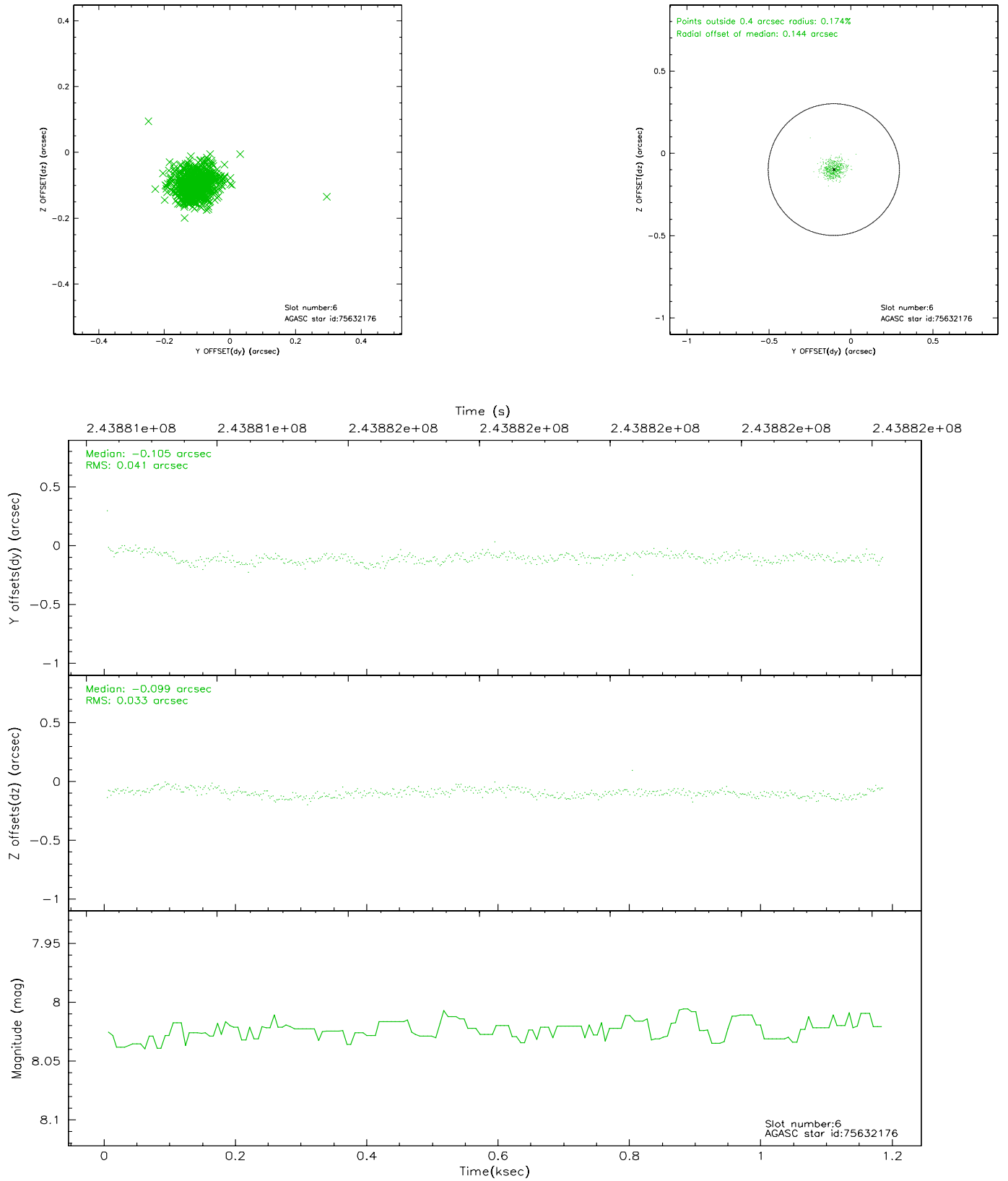
2.4.2 Slot 4



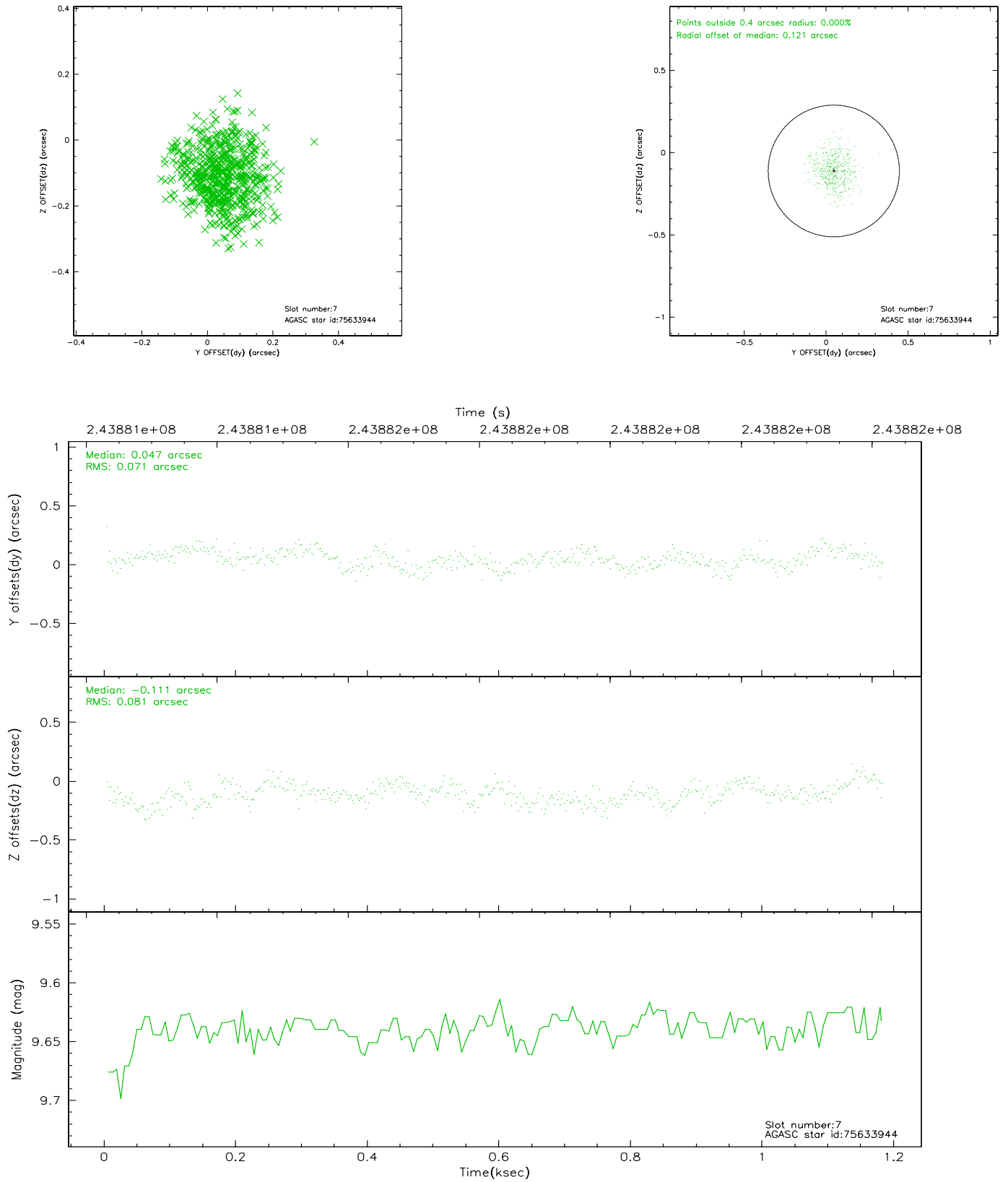
2.4.3 Slot 5



2.4.4 Slot 6

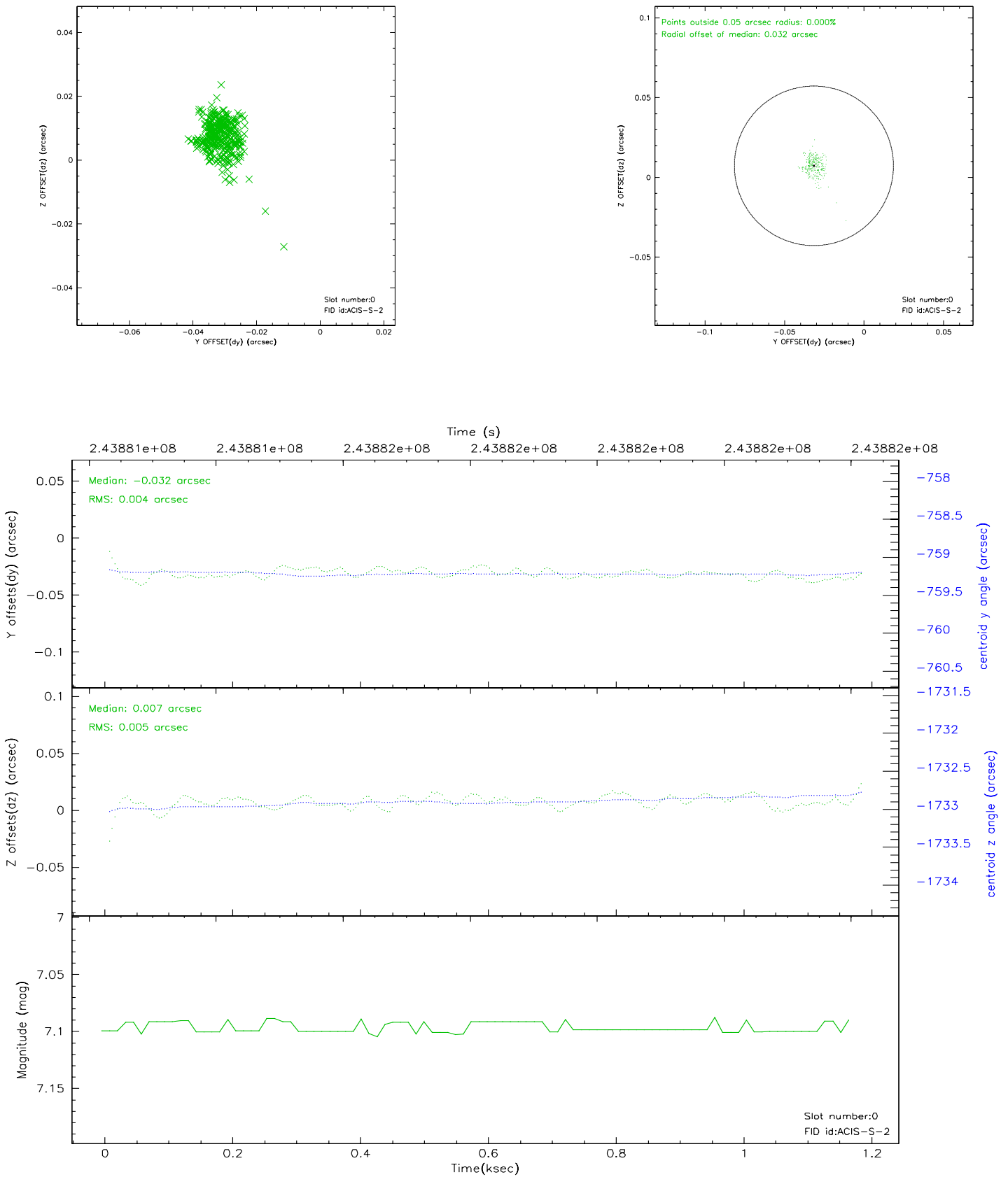


2.4.5 Slot 7

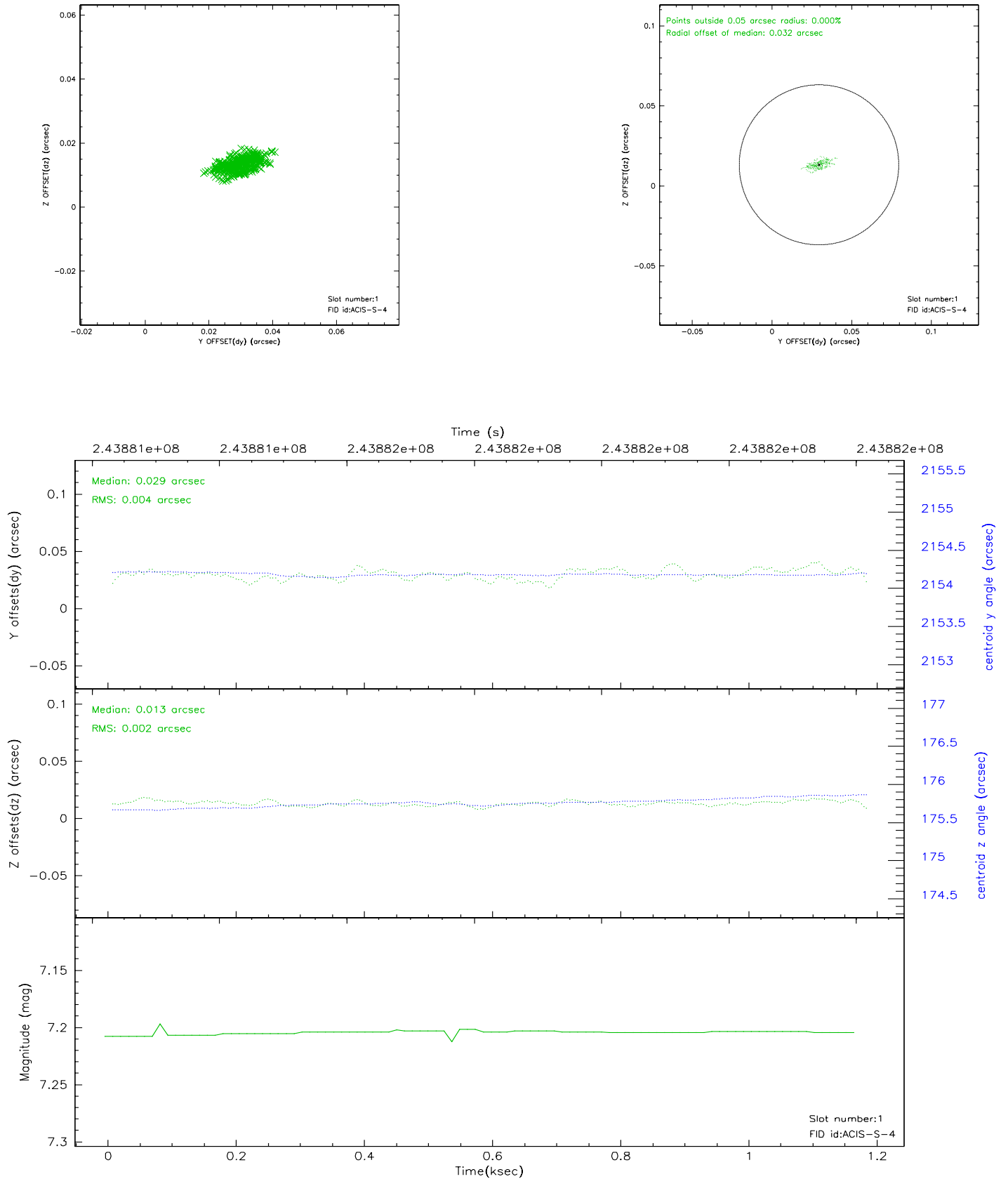


2.5 FID Slots

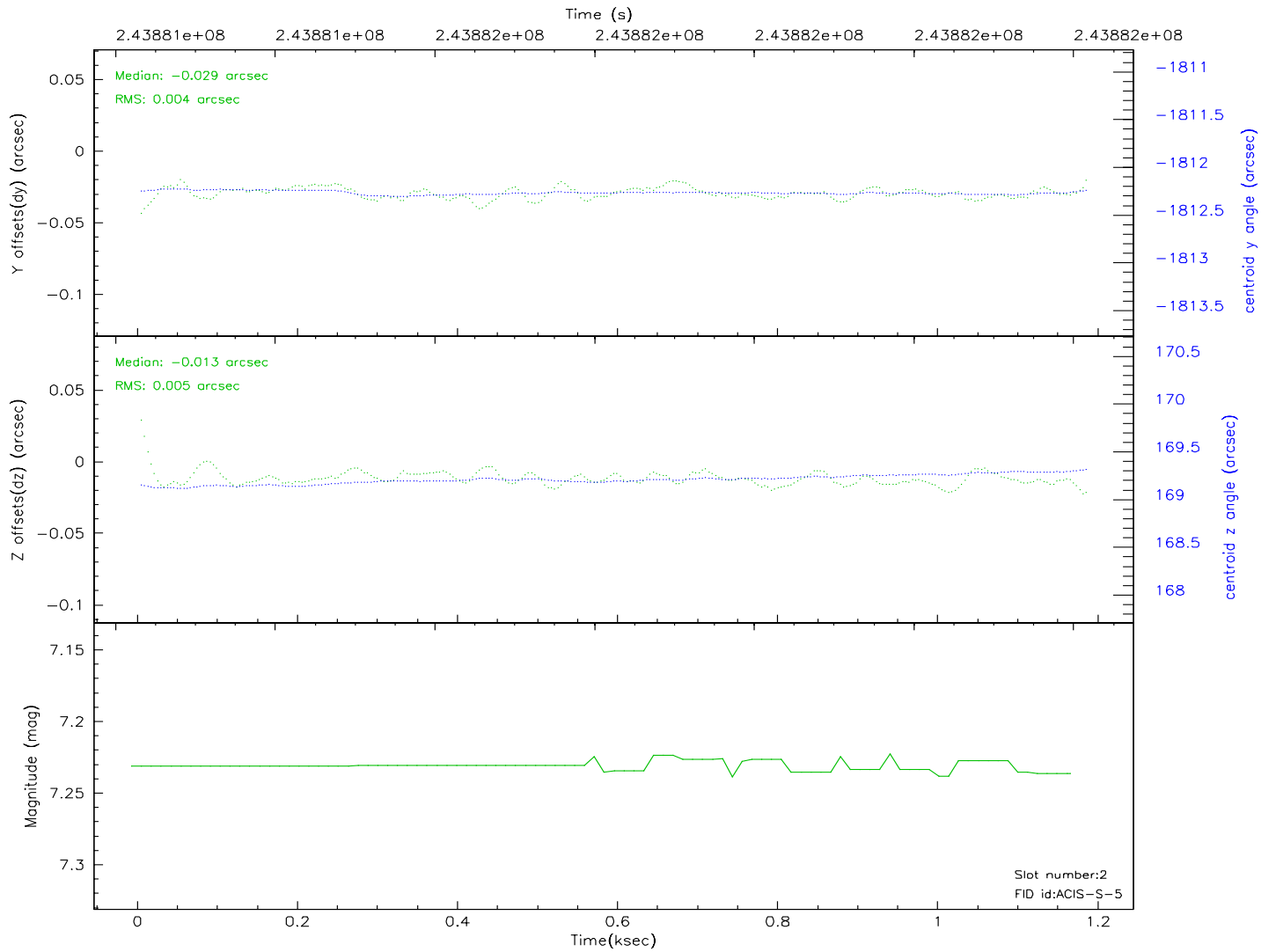
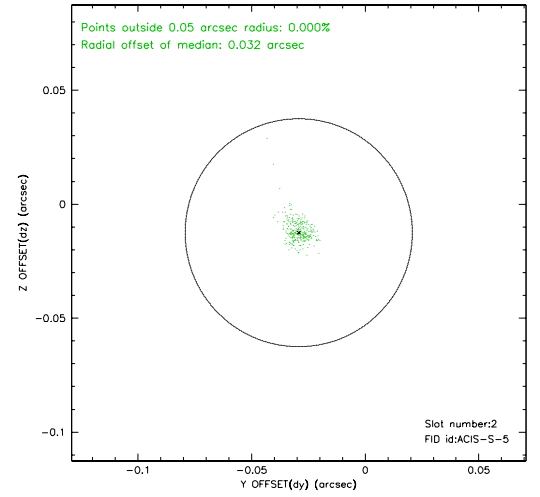
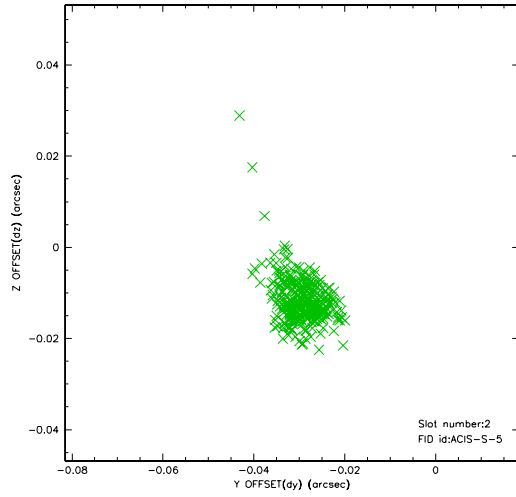
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.148799

A.2 Comments

As a consequence of the DEA-A shutdown anomaly on Sep 15th (DOY258), the the reported value of the ACIS FP temperature was ~1.3 degrees warmer than the actual temperature. GOs should subtract 1.3 degrees from the reported temperature to determine the true temperature. In addition the FP temperature was not regulating during this period. The FP temperature fluctuated between -121.3 C and -118.8 C during this time. For analysis of line-dominated spectra from the FI CCDs, GOs might notice a systematic gain shift by up to 0.5%, either towards higher/lower energies depending on if the FP temperature was colder/warmer than -119.7 C. Analysis of line-dominated spectra on S3 are mostly unaffected (where mostly unaffected means that the changes are smaller than the current uncertainties in the calibration). Analysis of continuum-dominated spectra on both the FI and BI CCDs are mostly unaffected. Imaging analysis on both the FI and BI CCDs are mostly unaffected.