

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5669 - L2 Version 002
Chandra X-Ray Center

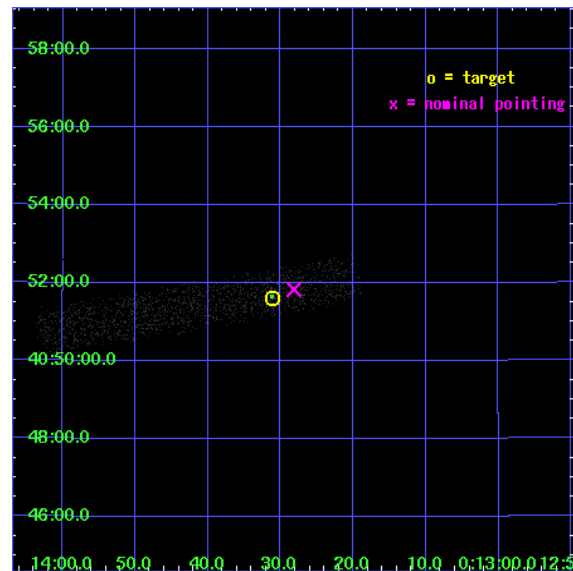
L2 Processing Date : Mar 25 2006

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1 Front

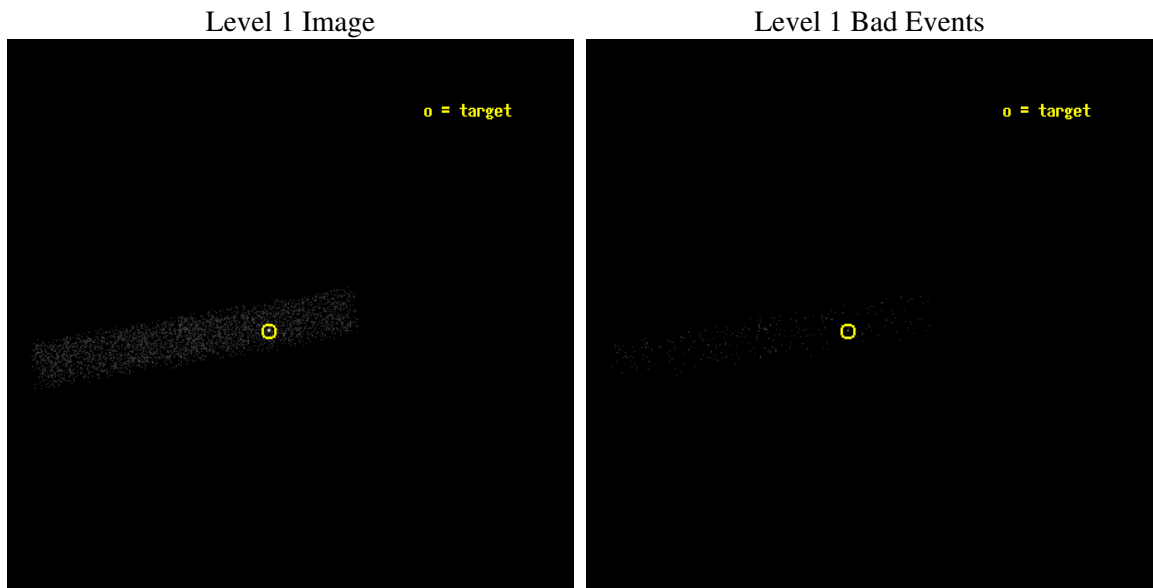
seq_num	701092
obs_id	5669
title	Gems in the Chandra Deep Fields: The Nature of Optically Passive X-ray Galaxies (aka XBONGs)
observer	Dr. Sally Laurent-Muehleisen
object	RGB0013+408
dtcycle	0
cycle	P
ra_targ	3.379583
dec_targ	40.860306
ra_nom	3.3674346926093
dec_nom	40.863684268992
roll_nom	170.5105102784
revision	2
ontime	3131.6000466645
livetime	2840.1959429208
ontime7	3131.6000466645
l2events	2669



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-25T19:10:44
revision	2

sched_exp_time	2969.993000
ontime	4545.3241889477
ontime7	4545.3241889477
l1events	6982

2.1.4 Events

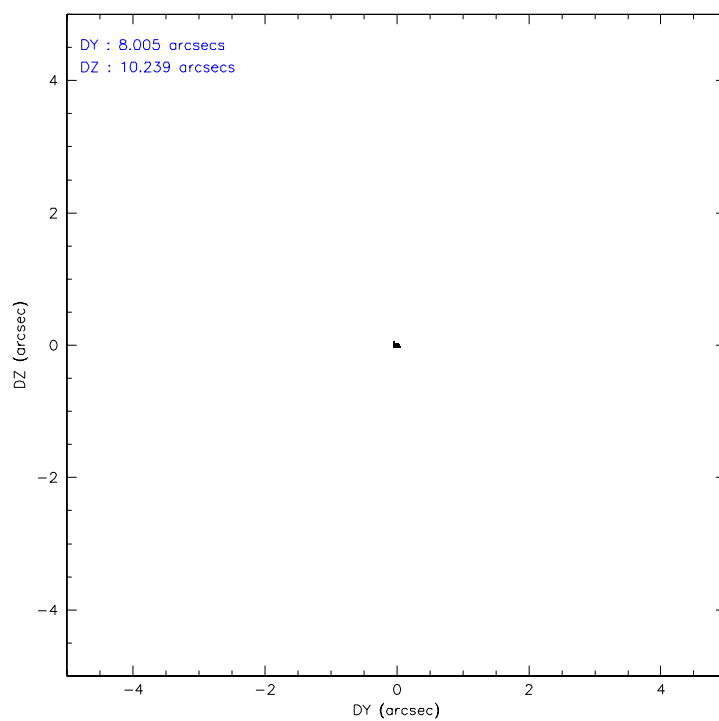
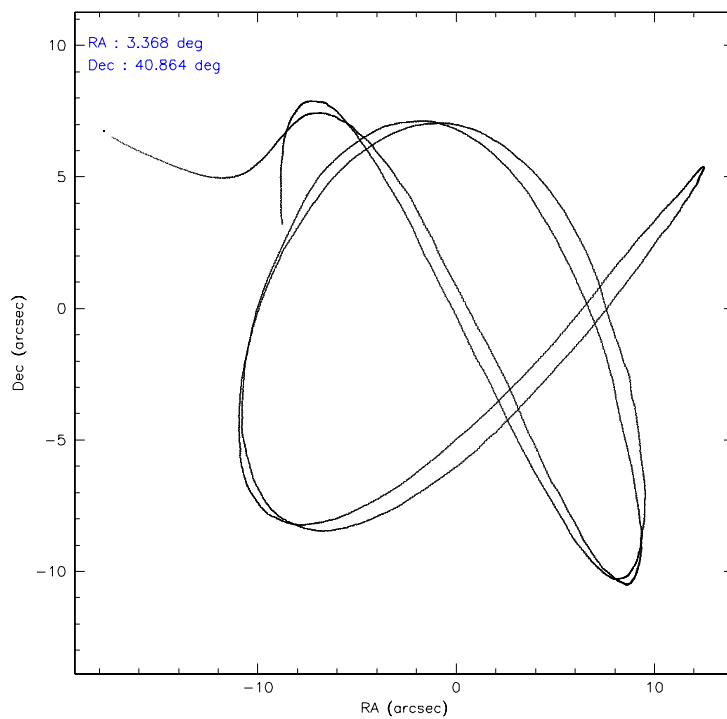
	ccd 7
level 1 events	6982
rejected events	4214
rejected %	60%

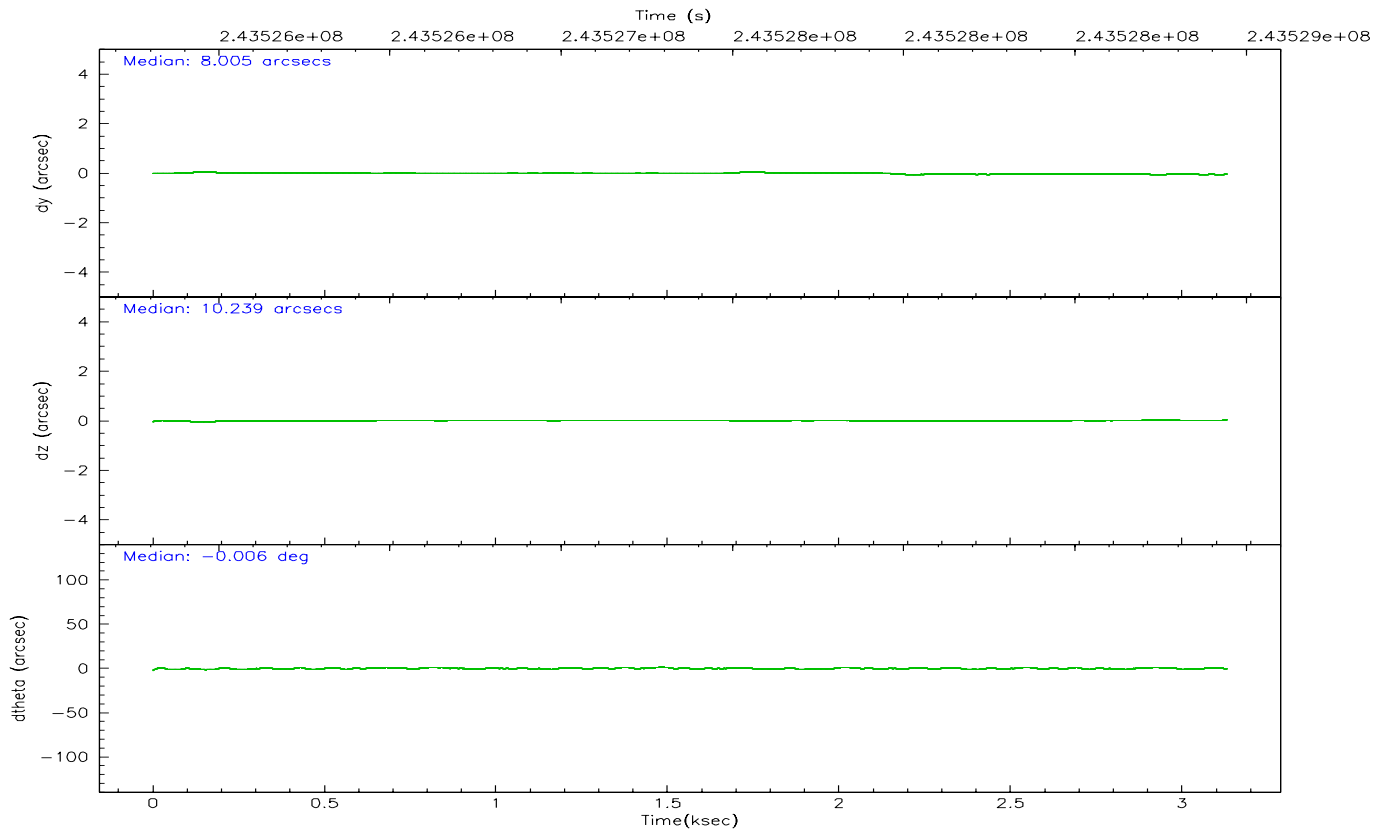
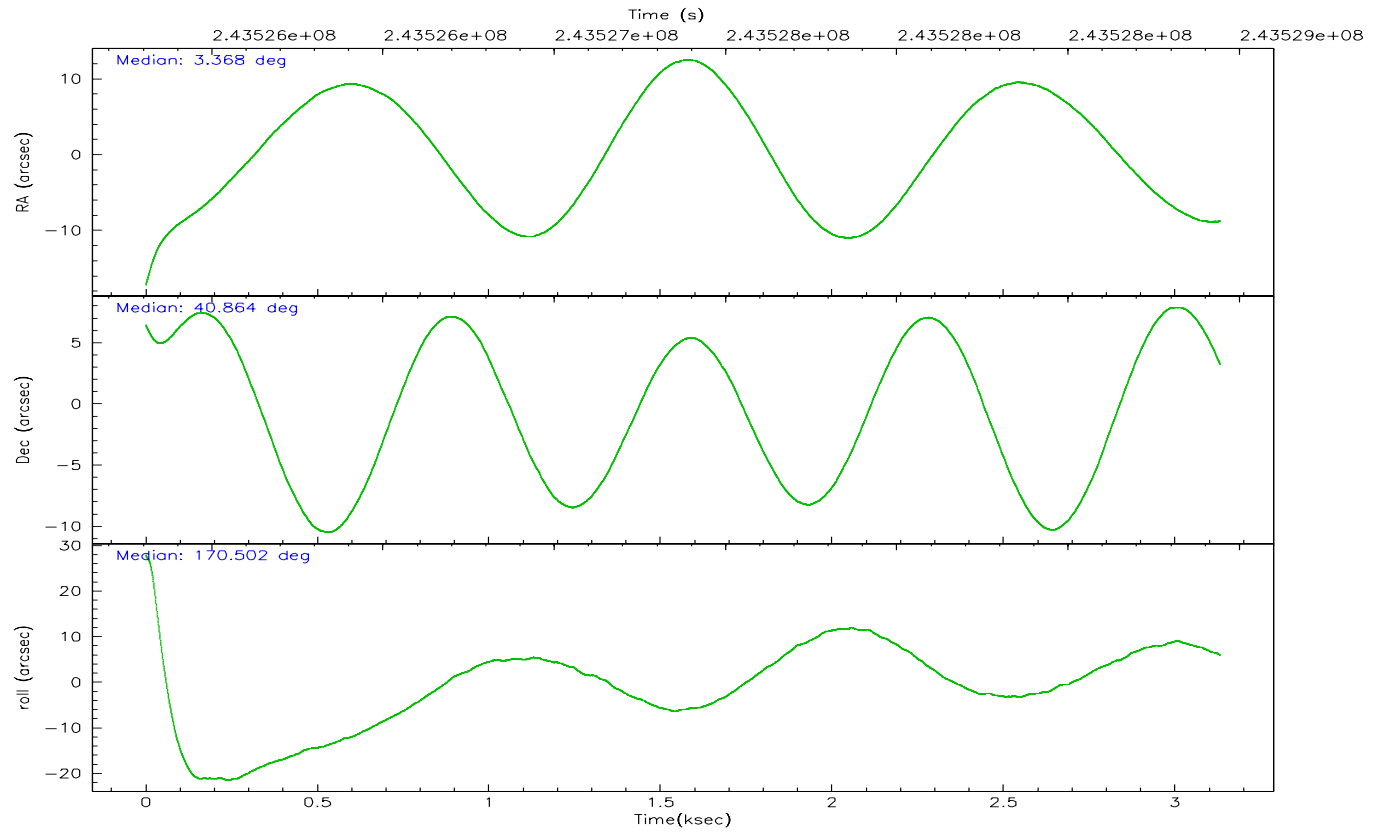
	ccd 7
grade 0 events	501
	7%
grade 1 events	3
	0%
grade 2 events	881
	12%
grade 3 events	364
	5%
grade 4 events	318
	4%
grade 5 events	410
	5%
grade 6 events	1649
	23%
grade 7 events	2856
	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	3.401088	3.367434692609324	Subarray start row	0	449
Pointing Dec	40.873431	40.86368426899197	Subarray row count	1024	128
Pointing Roll	170.331651	170.5105102783981	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	243525970.184000	243524395.75356			
Observation start date	2005-09-19T14:05:06	2005-09-19T13:39:55			
Observation end time	243528940.184000	243529154.31628			
Observation end date	2005-09-19T14:54:36	2005-09-19T14:59:14			
Read mode	TIMED	TIMED			

2.3 Aspect



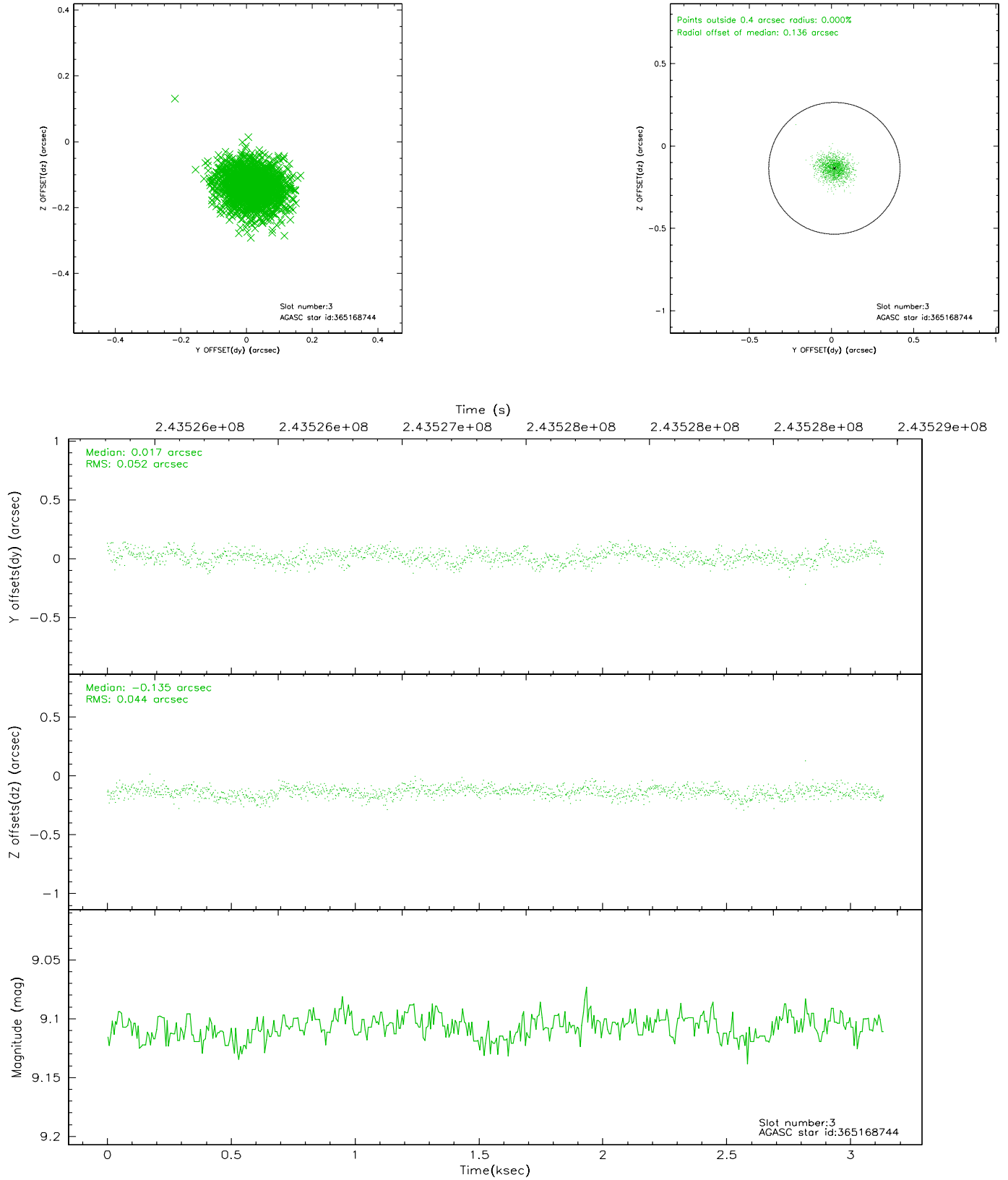


Slot Statistics

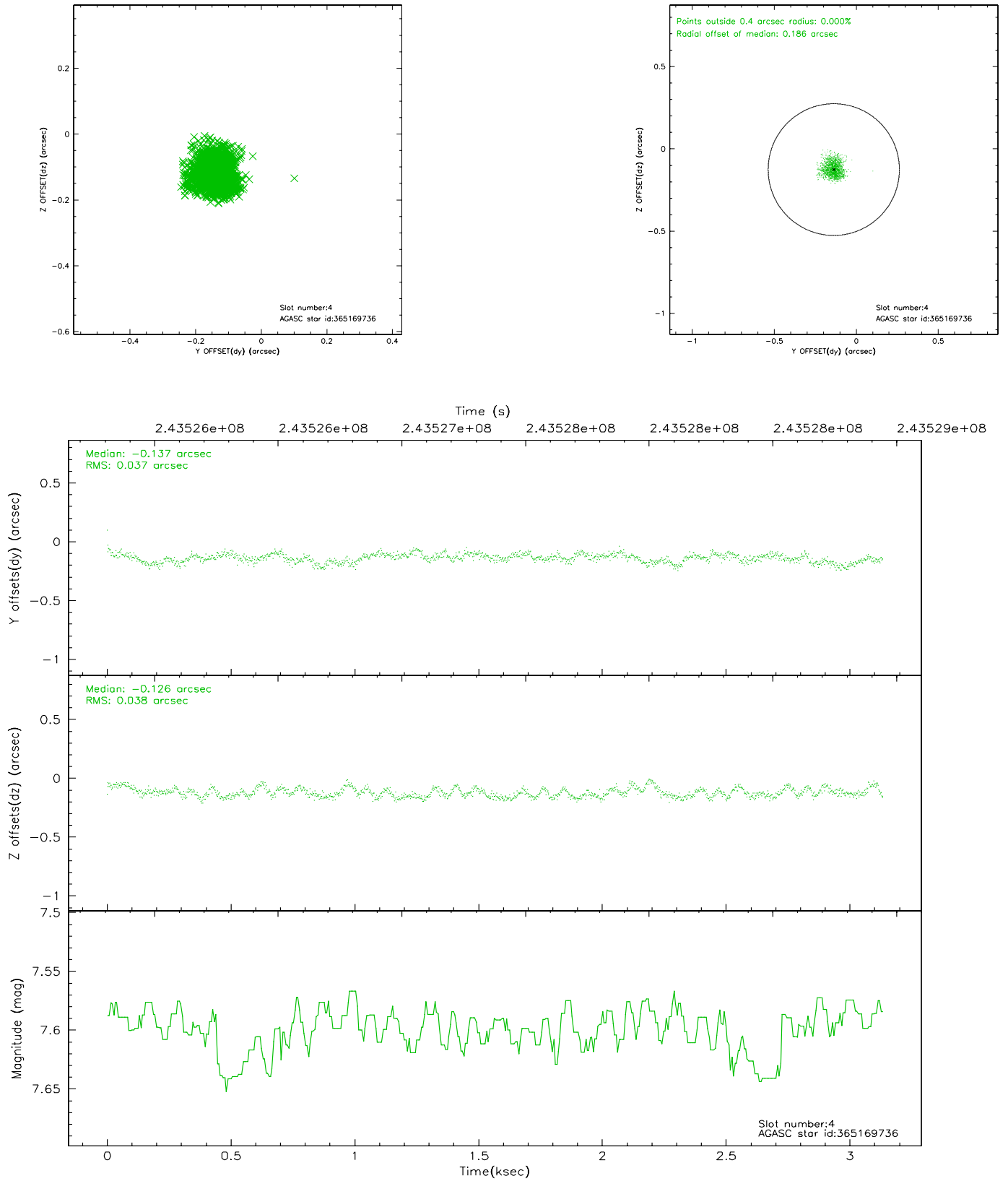
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.20	764	0.050	-0.032	0.005	0.010	0.000000	0.000000	935.33	-1727.14
1	FID	ACIS-S-2	7.11	764	-0.024	0.018	0.006	0.011	0.000000	0.000000	-759.51	-1733.76
2	FID	ACIS-S-5	7.23	764	-0.049	0.020	0.006	0.012	0.000000	0.000000	-1814.87	168.33
3	GUIDE	365168744	9.11	1529	0.017	-0.135	0.073	0.118	2.586496	40.812790	2152.78	578.54
4	GUIDE	365169736	7.60	1529	-0.137	-0.126	0.057	0.089	2.873744	40.553668	1230.31	1373.88
5	GUIDE	365171216	7.83	1529	-0.012	-0.108	0.046	0.077	3.489835	40.420221	-513.37	1568.68
6	GUIDE	365699840	8.74	1529	-0.050	0.260	0.072	0.113	3.337232	41.515989	558.03	-2249.54
7	GUIDE	365705576	9.35	1527	0.185	0.107	0.086	0.142	4.107749	41.278690	-1637.92	-1767.96

2.4 Star Slots

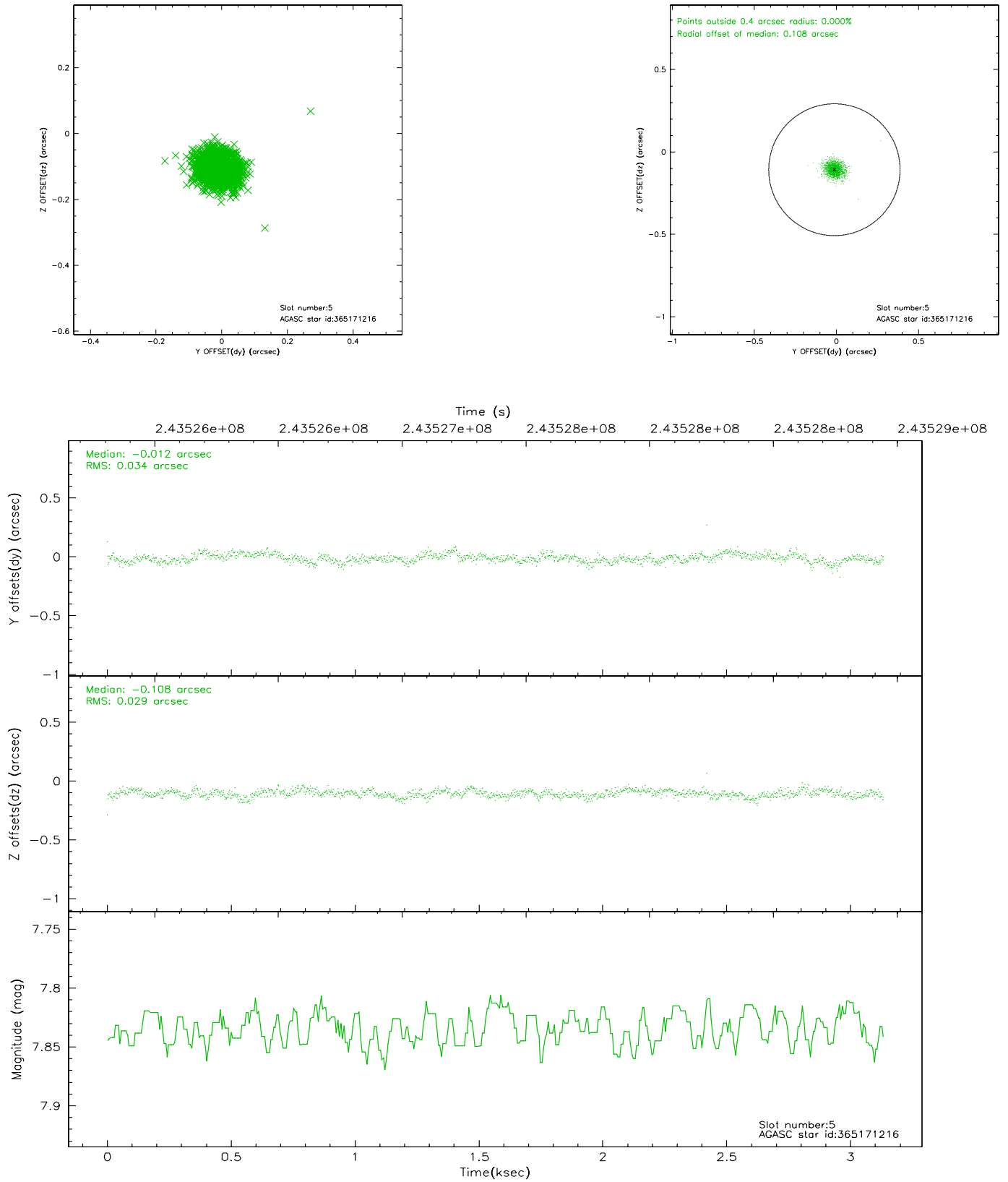
2.4.1 Slot 3



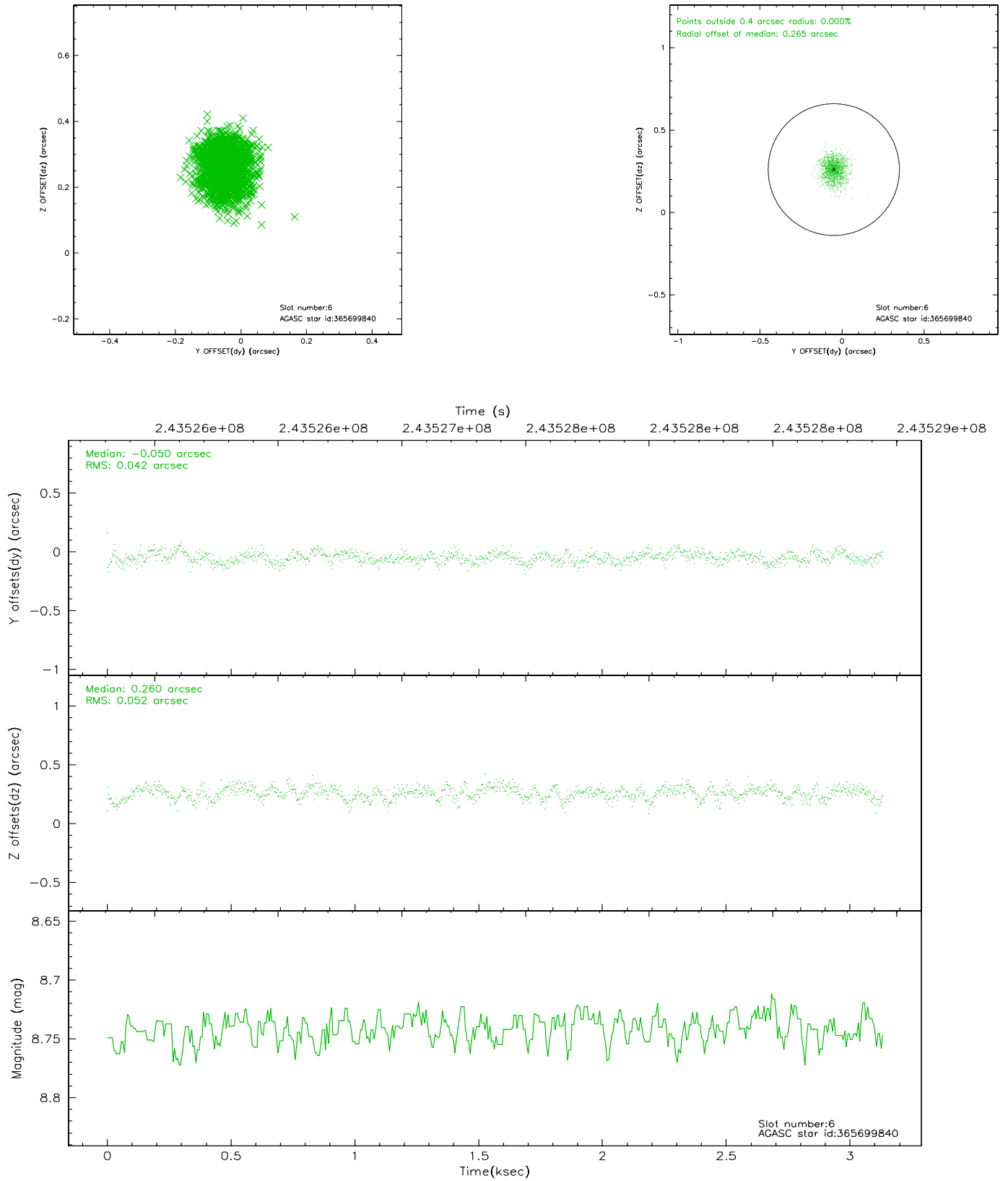
2.4.2 Slot 4



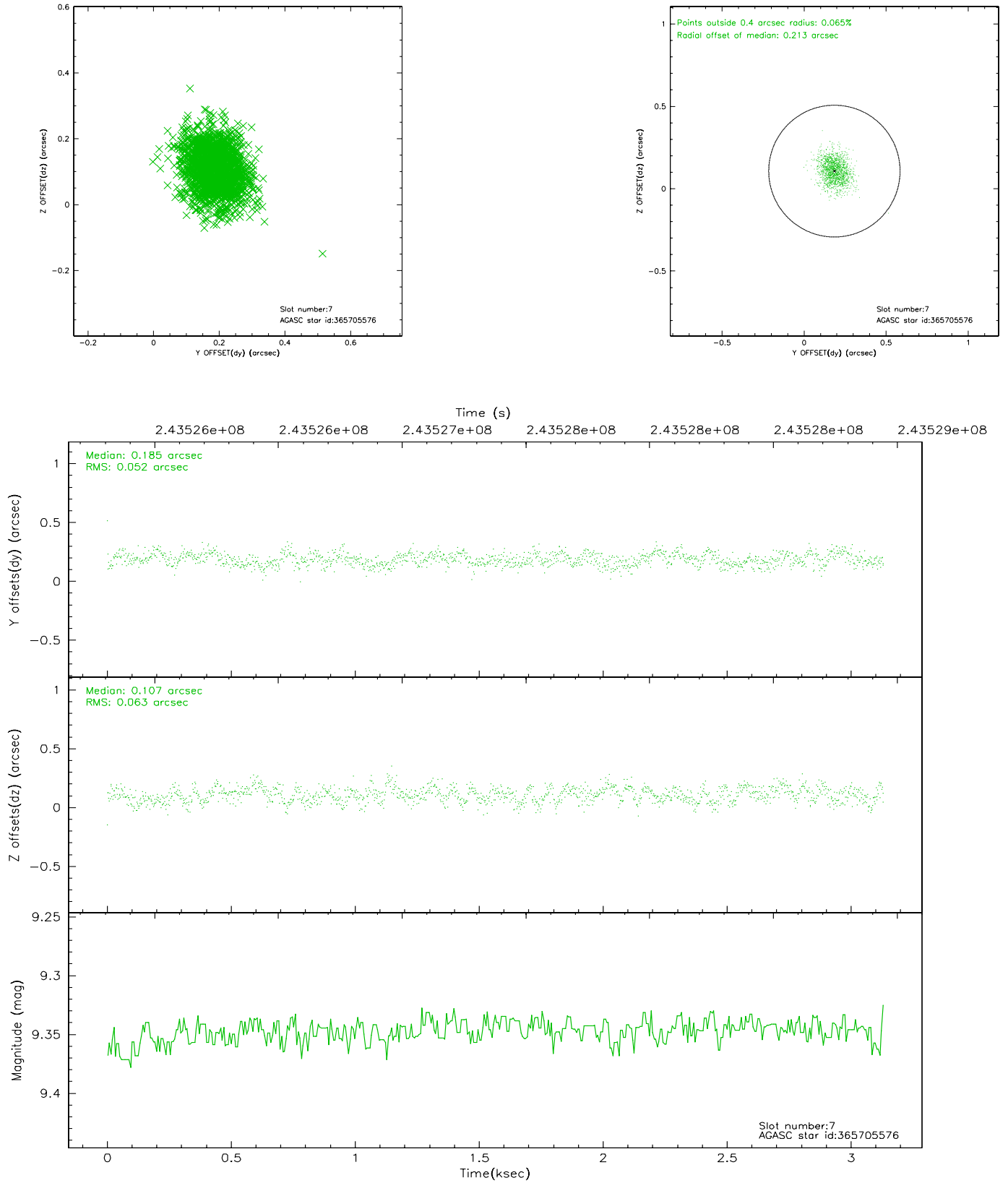
2.4.3 Slot 5



2.4.4 Slot 6

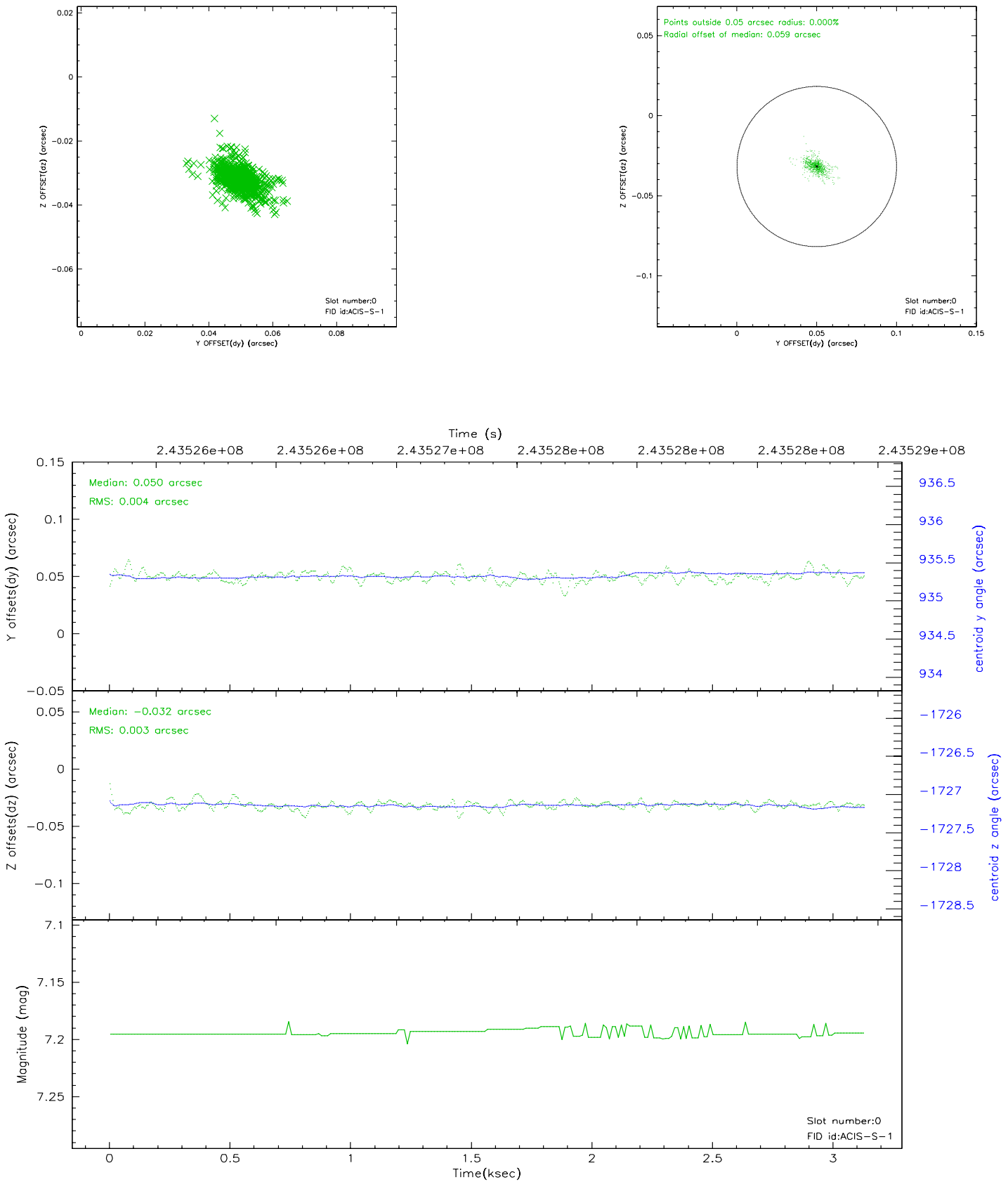


2.4.5 Slot 7

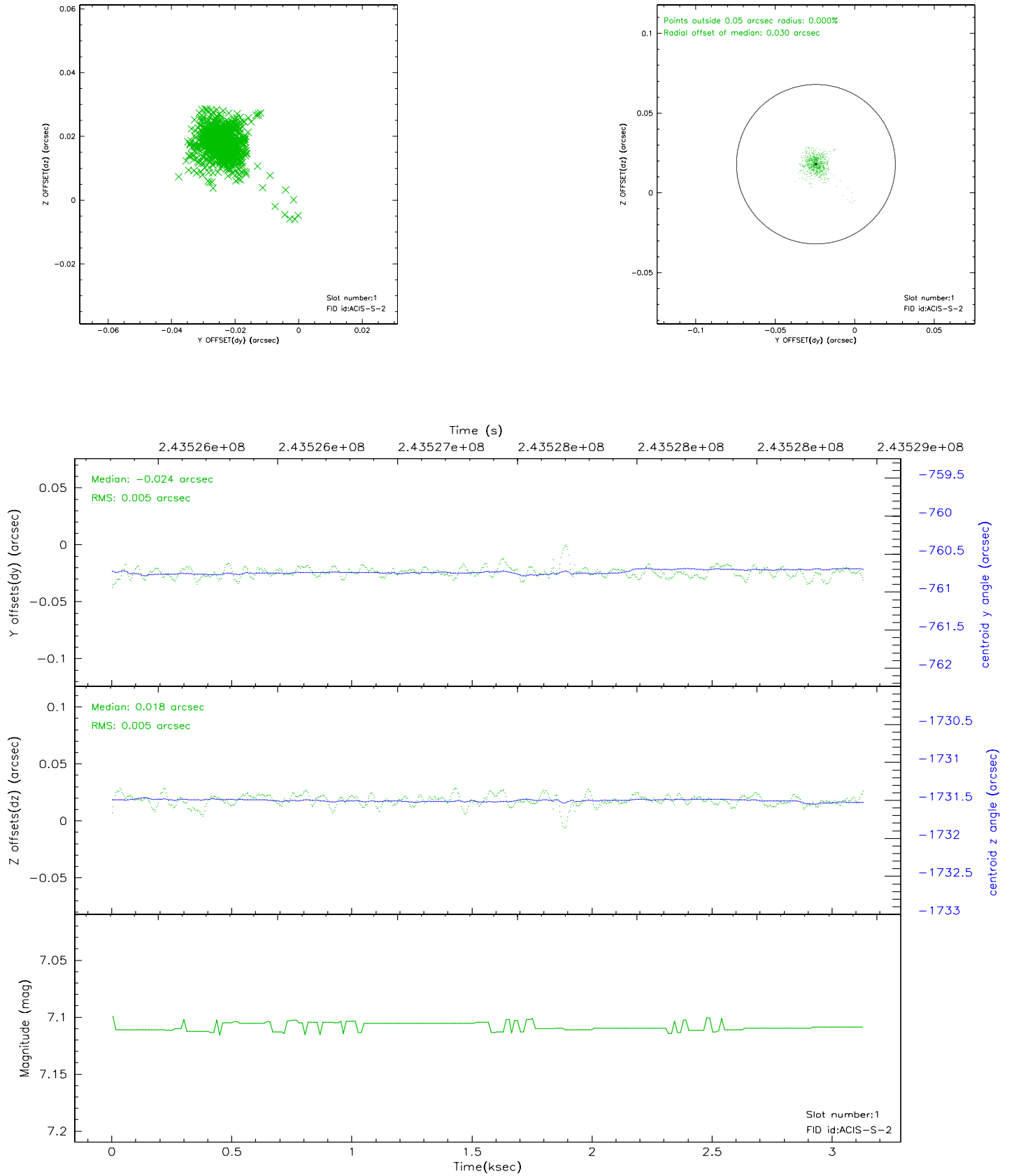


2.5 FID Slots

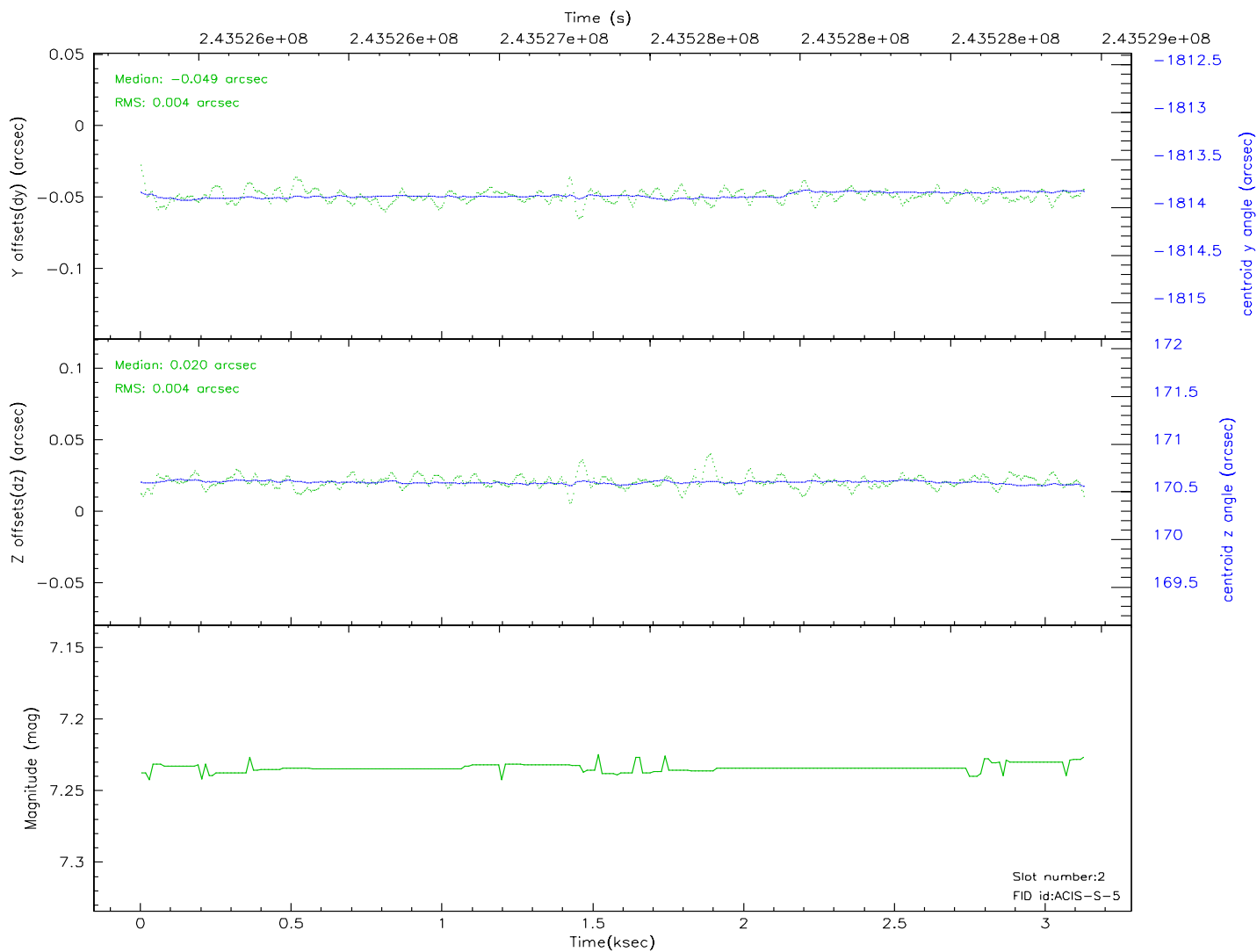
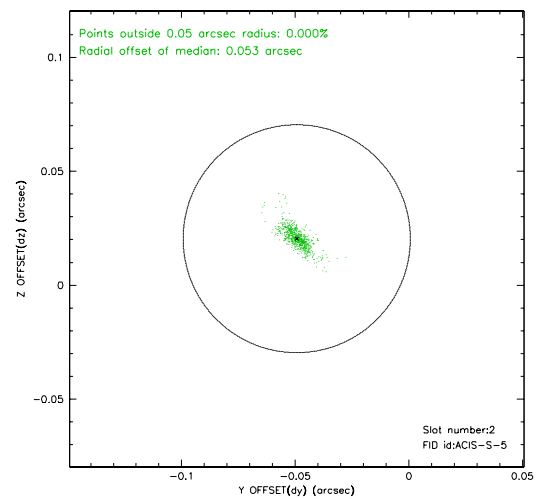
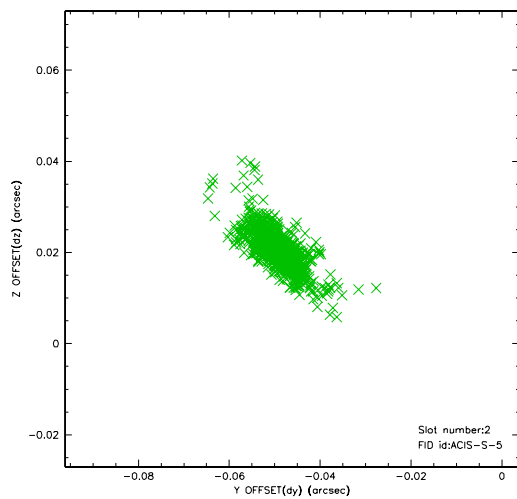
2.5.1 Slot 0



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	3.1316

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.