

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5850 - L2 Version 002
Chandra X-Ray Center

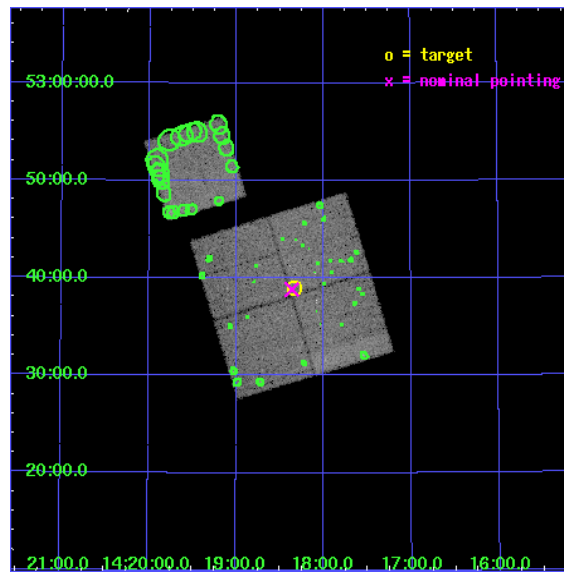
L2 Processing Date : Apr 1 2006

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1 Front

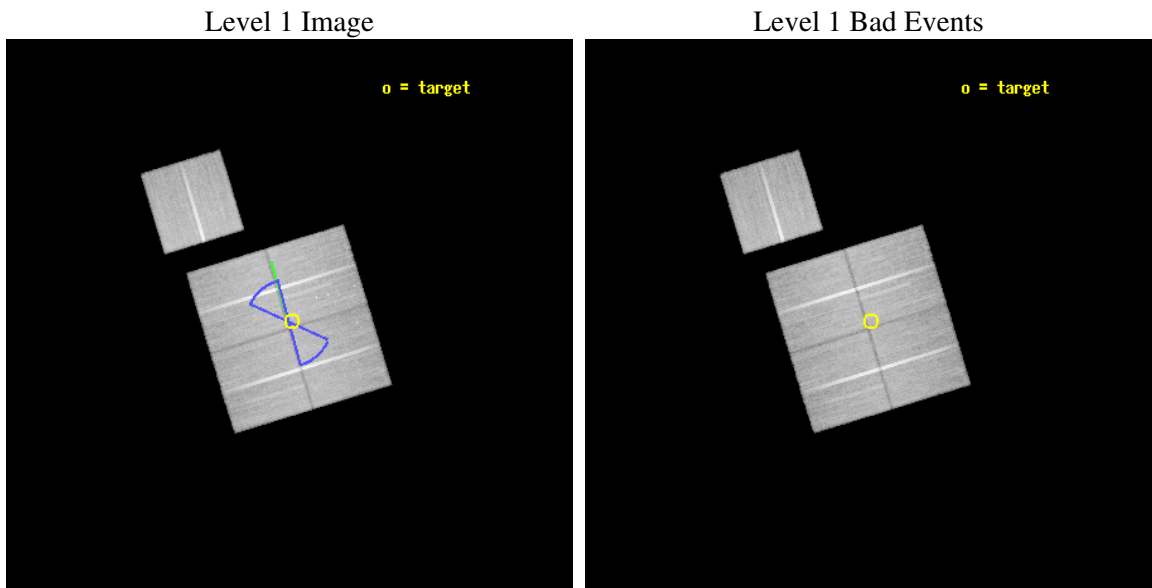
seq_num	900352
obs_id	5850
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Professor Kirpal Nandra
object	EGS-5
dtcycle	0
cycle	P
ra_targ	214.584915
dec_targ	52.65052
ra_nom	214.59074588356
dec_nom	52.64754500498
roll_nom	343.06396272706
revision	2
ontime	46149.617970765
livetime	45546.639237122
ontime0	46140.195109874
ontime1	46149.617950857
ontime2	46152.758951008
ontime3	46149.617970765
ontime6	46155.899911255
l2events	129803



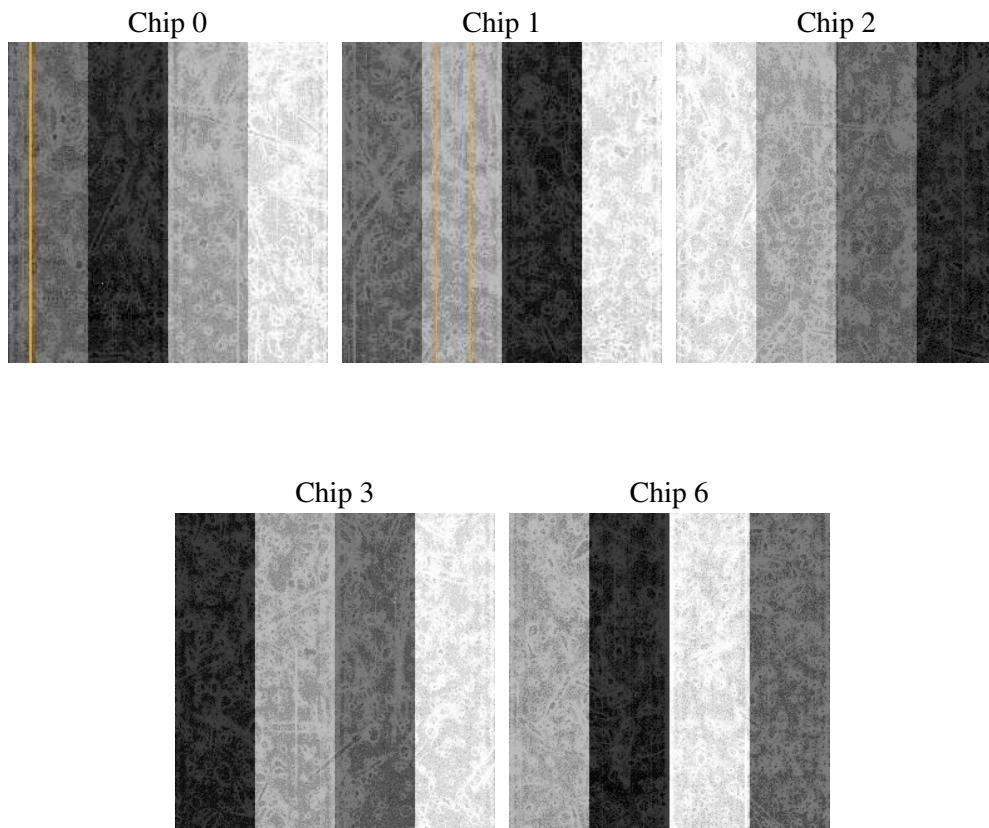
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-01T02:26:51
revision	2

sched_exp_time	46000.000000
ontime	46559.088984221
ontime0	46549.666123331
ontime1	46559.088964313
ontime2	46562.229964465
ontime3	46559.088984221
ontime6	46565.370924711
l1events	1488134

2.1.4 Events

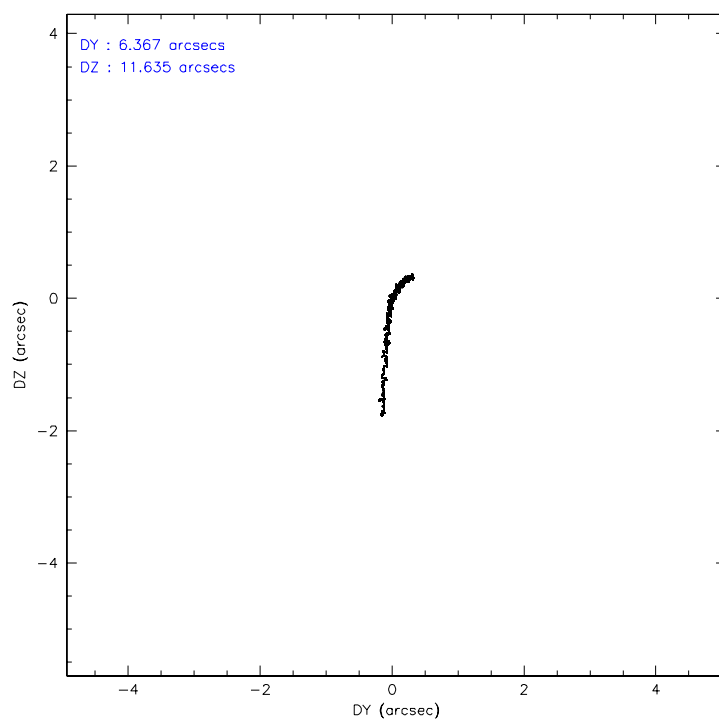
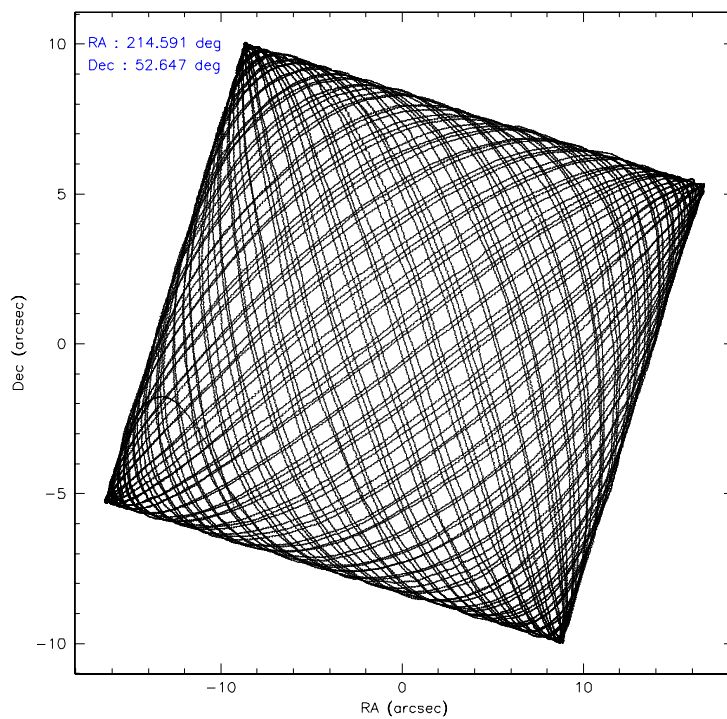
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	289009	281390	311337	305476	300922
rejected events	259574	246845	281809	275283	269802
rejected %	89%	87%	90%	90%	89%

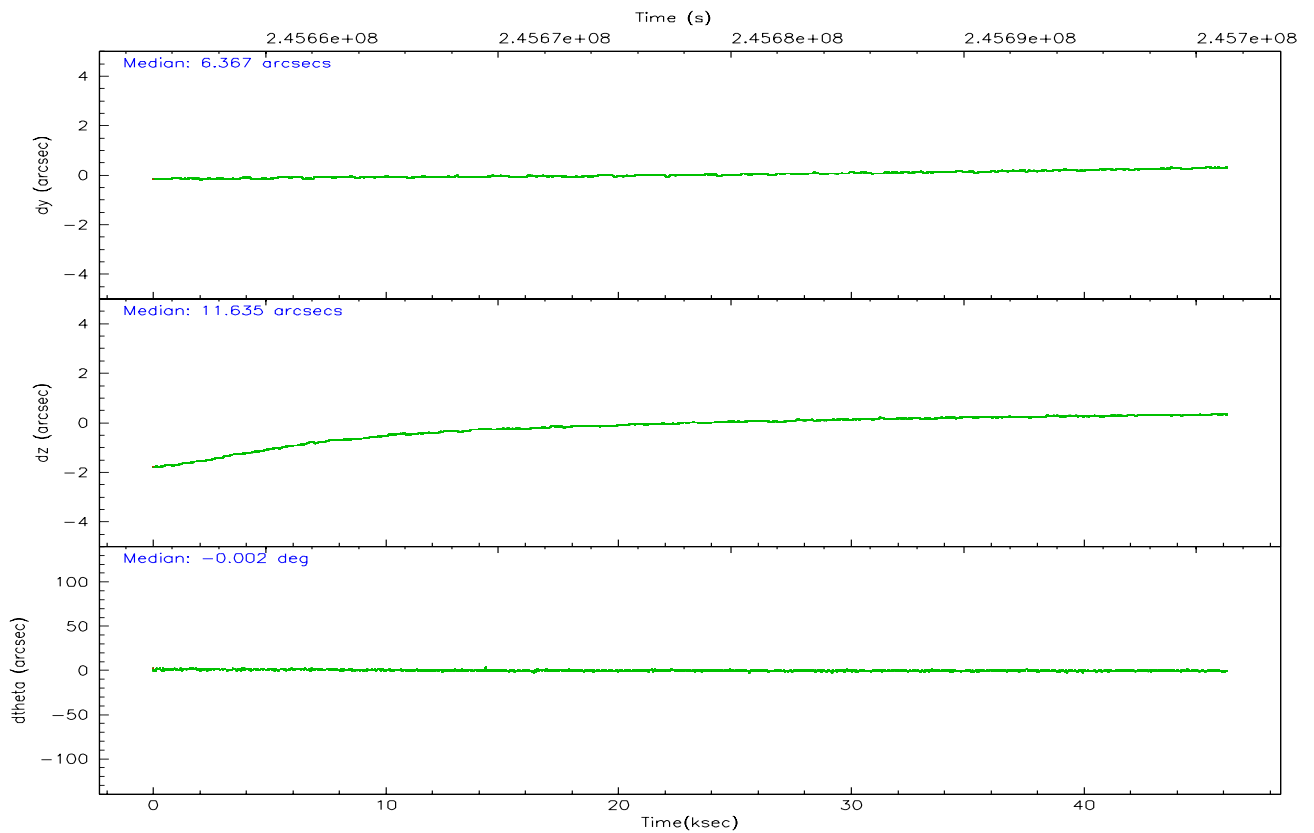
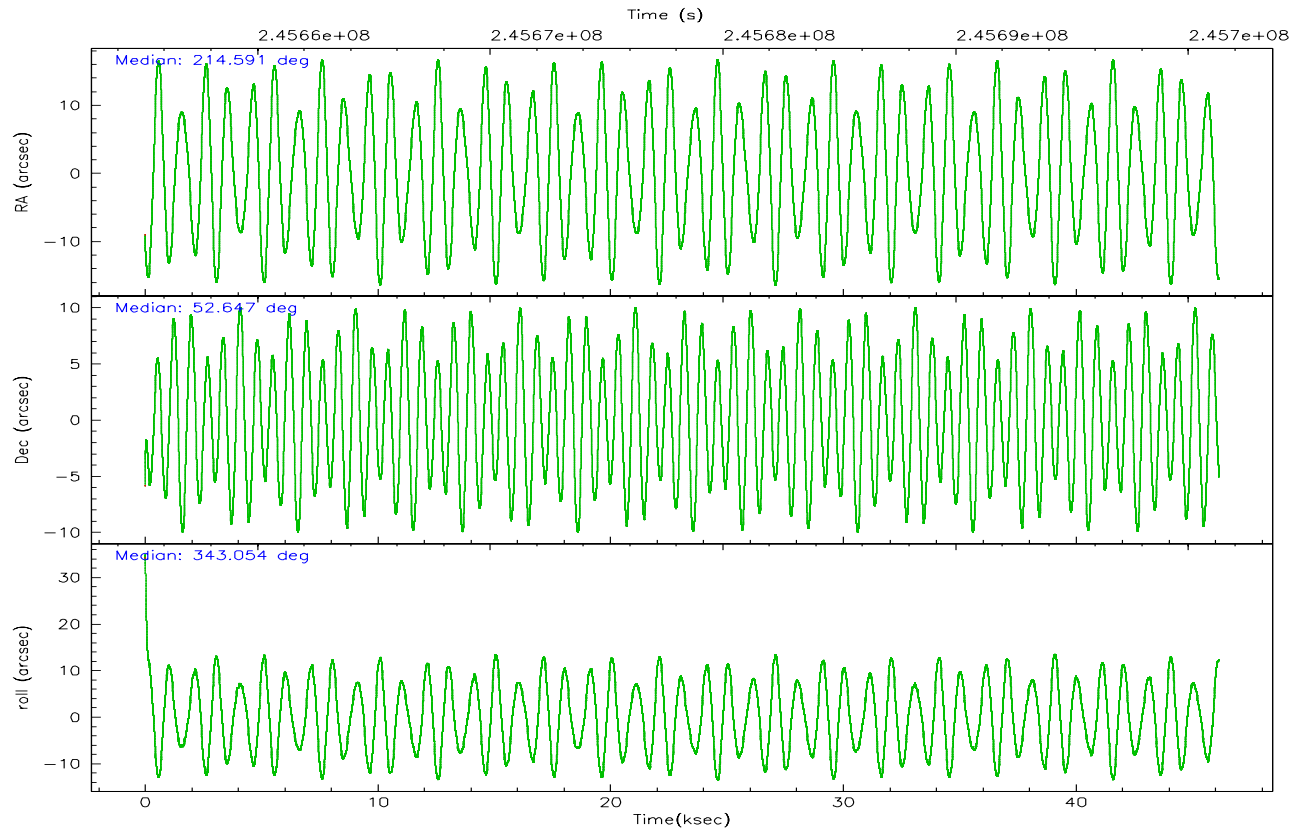
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10819	13363	11152	11755	11718
	3%	4%	3%	3%	3%
grade 1 events	155	134	157	178	128
	0%	0%	0%	0%	0%
grade 2 events	7063	7598	6918	6351	6638
	2%	2%	2%	2%	2%
grade 3 events	3364	3747	3221	3409	3387
	1%	1%	1%	1%	1%
grade 4 events	3077	3705	3355	3281	3333
	1%	1%	1%	1%	1%
grade 5 events	10303	11519	9502	12207	11791
	3%	4%	3%	3%	3%
grade 6 events	5540	6619	5295	5808	6559
	1%	2%	1%	1%	2%
grade 7 events	248688	234705	271737	262487	257368
	86%	83%	87%	85%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	214.546865	214.5907458835583	Alternating exposures requested	N	N
Pointing Dec	52.641238	52.64754500497985	Primary exposure time	0.000000	3.1
Pointing Roll	342.890149	343.063962727063			
Roll angle	50.756000	50.756000			
Roll tolerance	25.000000	25.000000			
Roll constraint allows 180D rotation	Y	Y			
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	245655322.184000	245654137.77656			
Observation start date	2005-10-14T05:34:18	2005-10-14T05:15:37			
Observation end time	245701322.184000	245702262.04128			
Observation end date	2005-10-14T18:20:58	2005-10-14T18:37:42			
Read mode	TIMED	TIMED			

2.3 Aspect



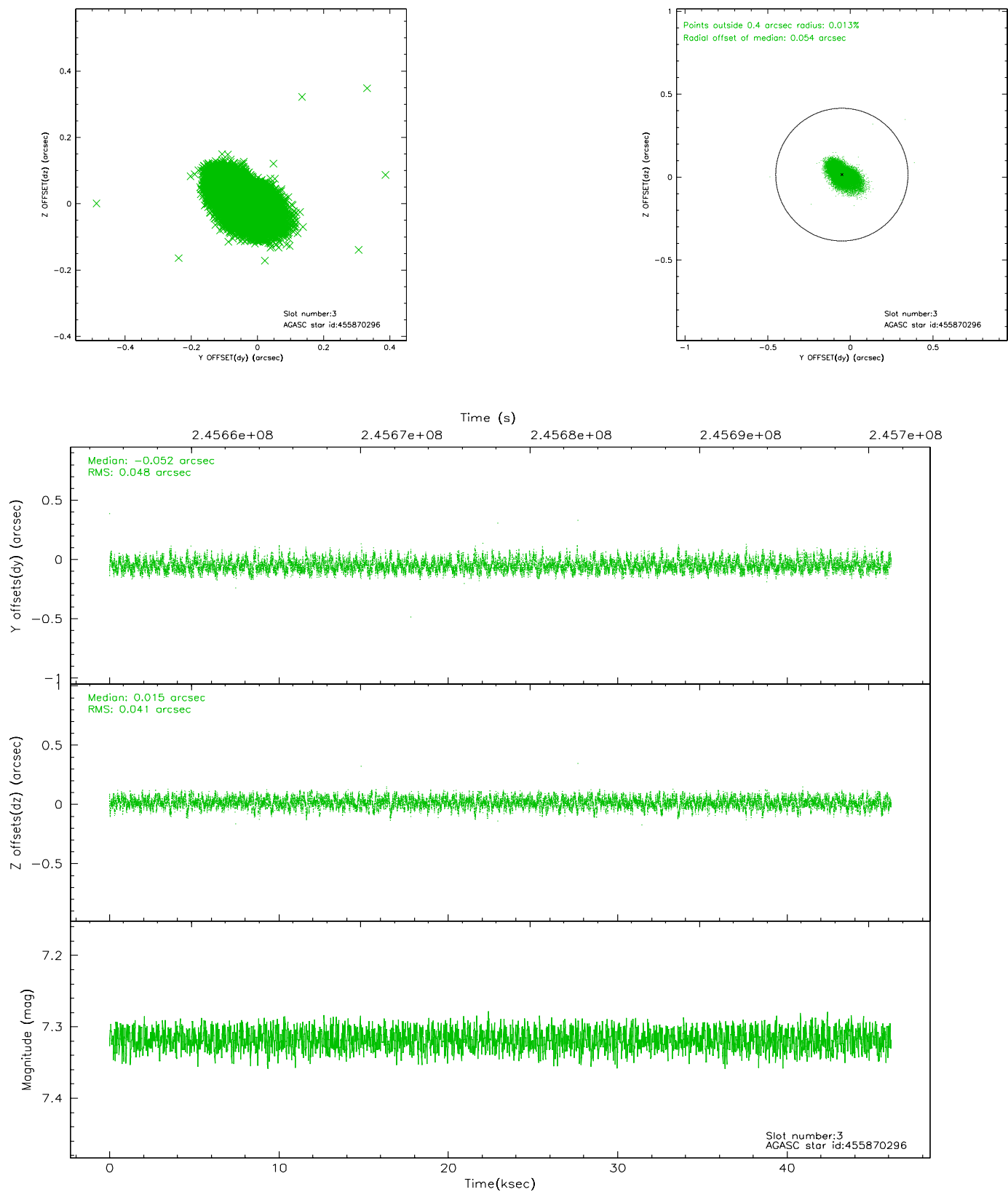


Slot Statistics

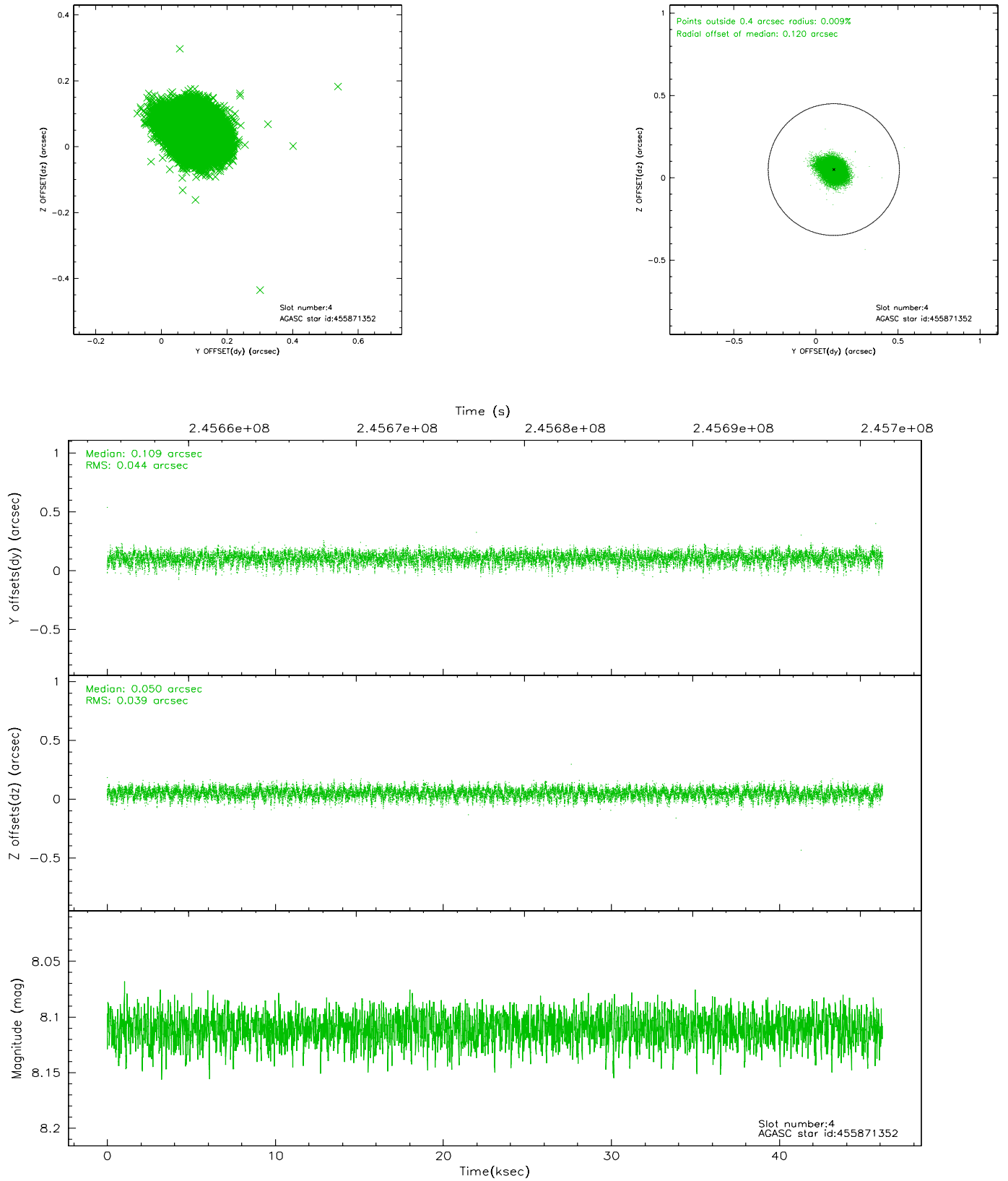
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	11258	-0.061	-0.094	0.016	0.039	0.000000	0.000000	-760.93	-841.40
1	FID	ACIS-I-4	7.17	11259	0.068	0.066	0.009	0.018	0.000000	0.000000	2153.25	1064.94
2	FID	ACIS-I-5	7.22	11258	-0.108	0.097	0.012	0.027	0.000000	0.000000	-1814.82	1062.81
3	GUIDE	455870296	7.32	22513	-0.052	0.015	0.067	0.111	214.629779	52.033323	819.91	-2037.04
4	GUIDE	455871352	8.11	22513	0.109	0.050	0.062	0.101	215.099961	52.172669	1662.61	-1247.91
5	GUIDE	505812088	8.16	22515	0.135	-0.061	0.064	0.108	214.186617	53.263562	-1401.04	1914.83
6	GUIDE	505812376	7.67	22519	-0.141	-0.070	0.047	0.075	214.039537	52.937930	-1367.49	700.79
7	GUIDE	505806936	7.02	22516	-0.061	0.066	0.062	0.108	213.820815	52.535927	-1410.04	-822.27

2.4 Star Slots

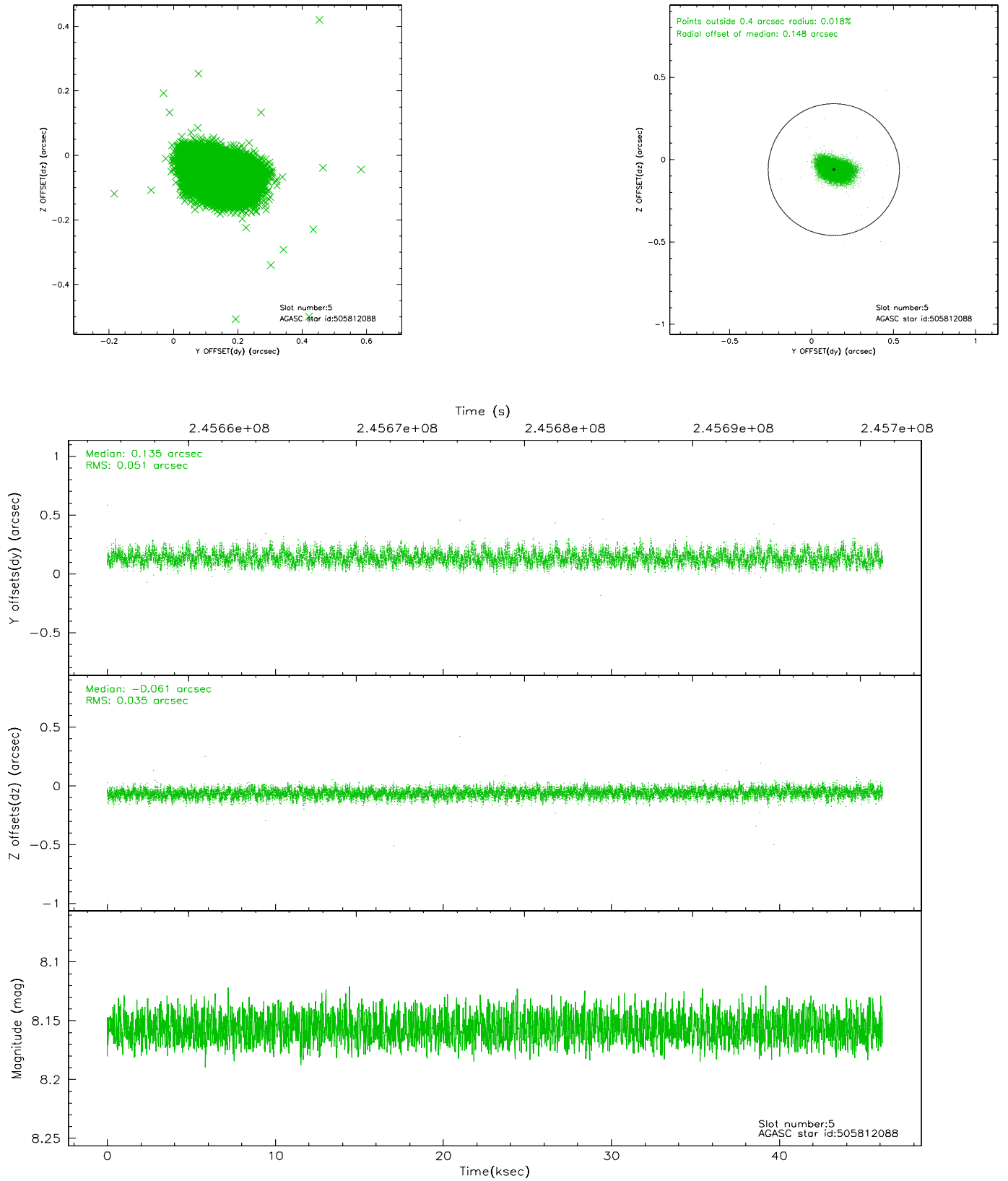
2.4.1 Slot 3



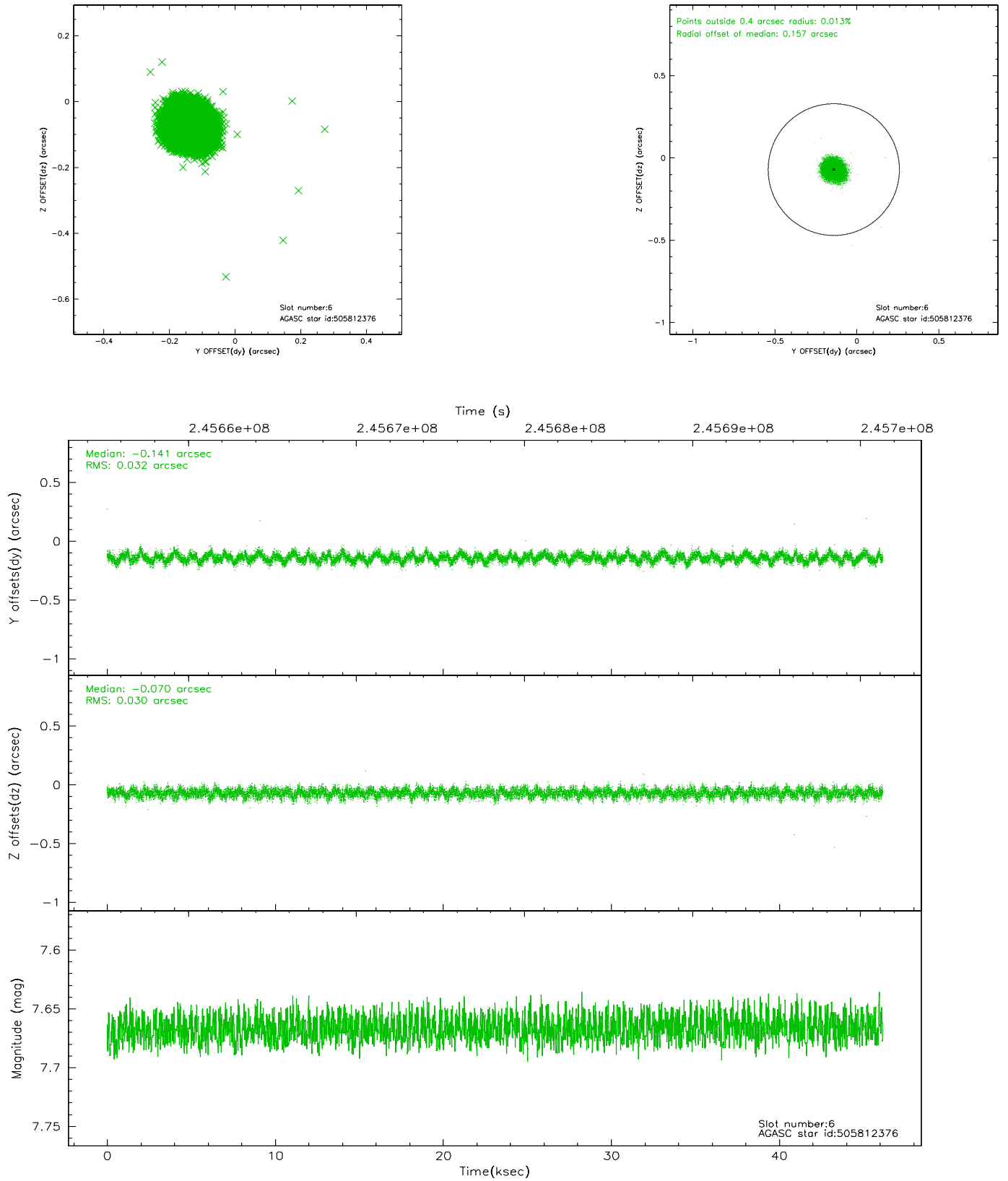
2.4.2 Slot 4



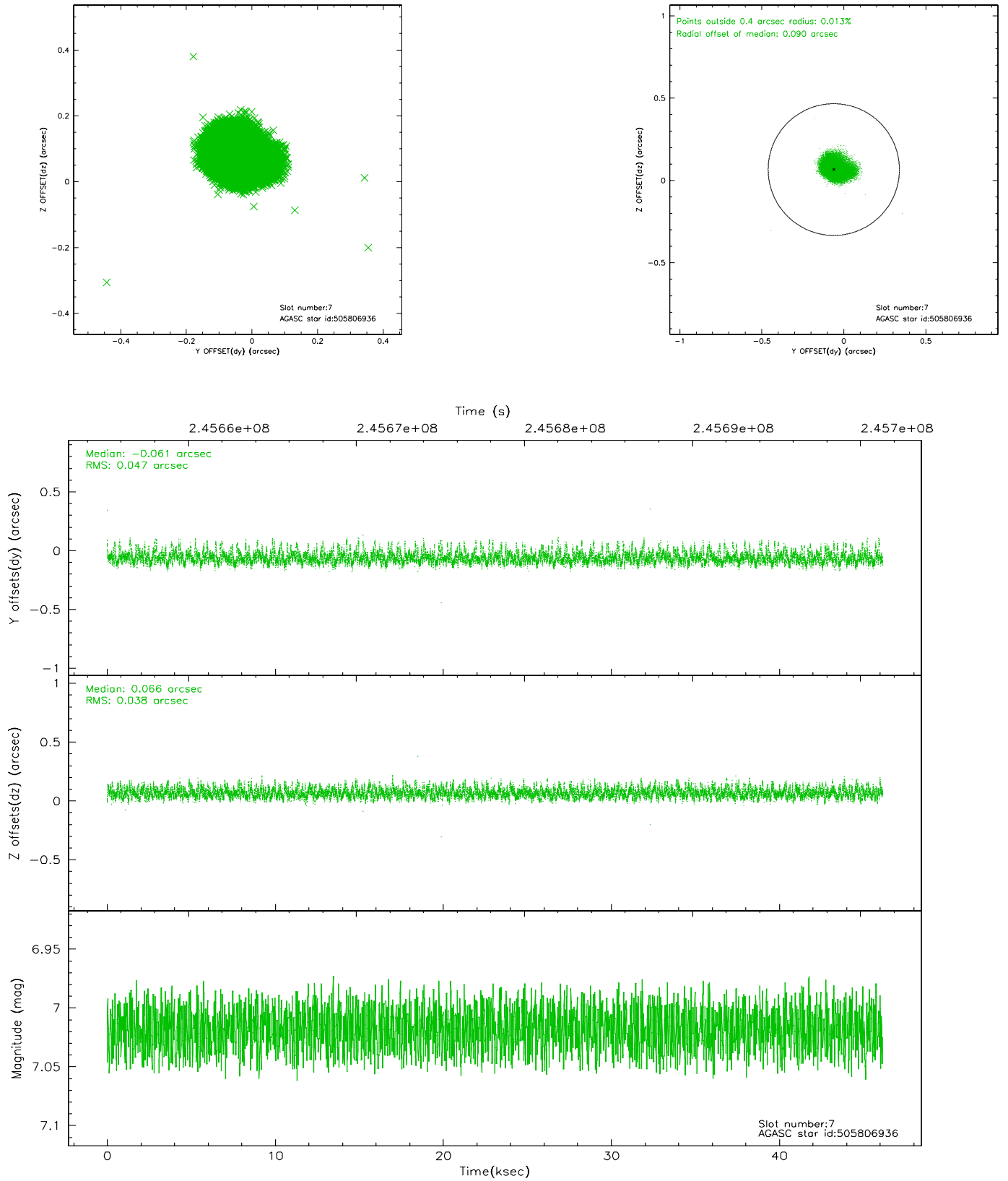
2.4.3 Slot 5



2.4.4 Slot 6

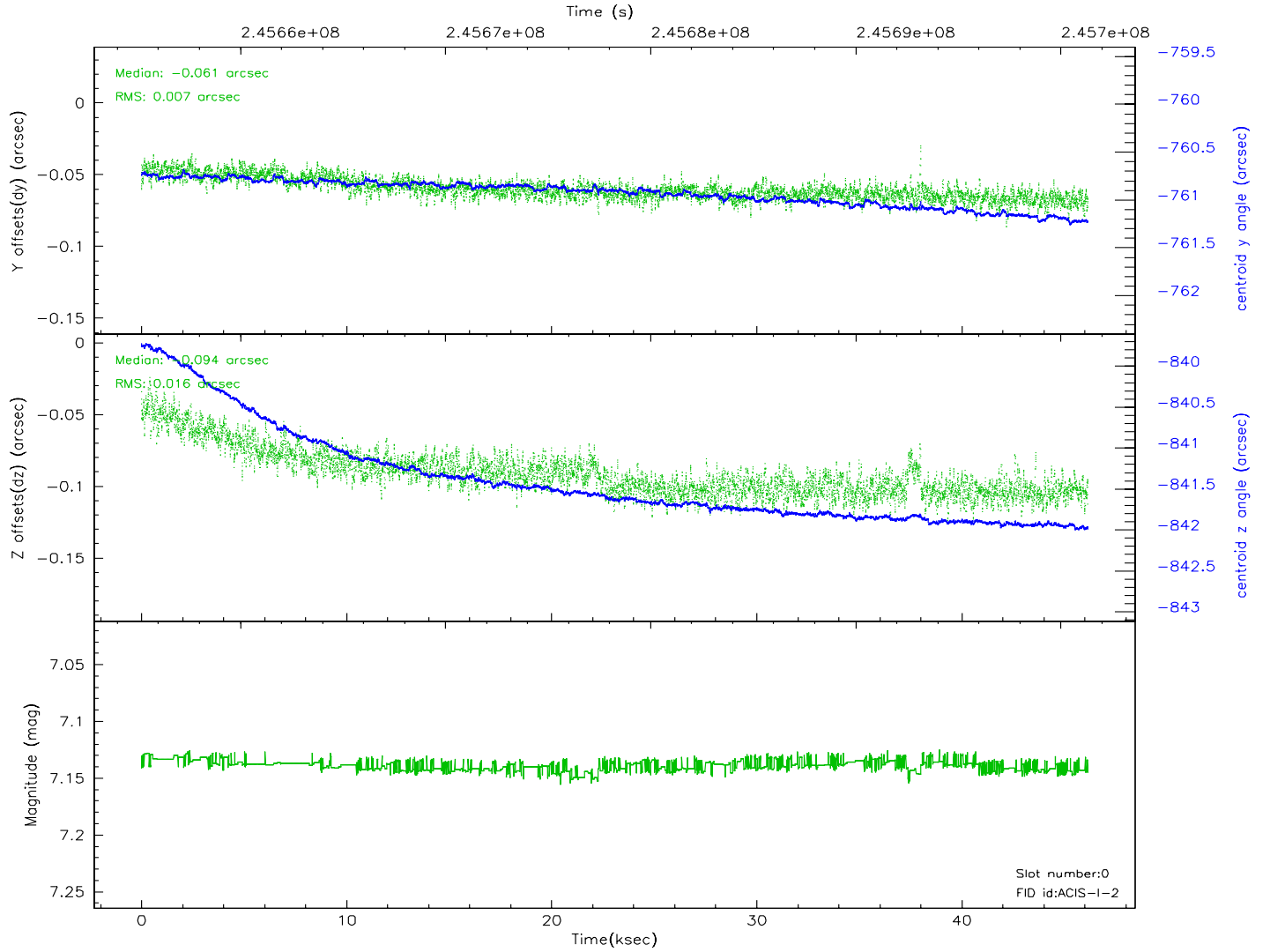
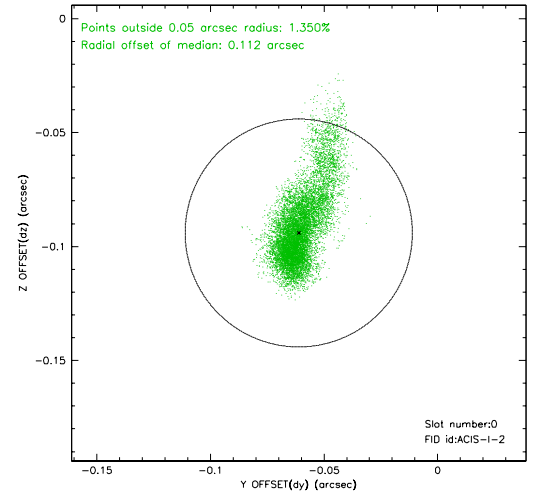
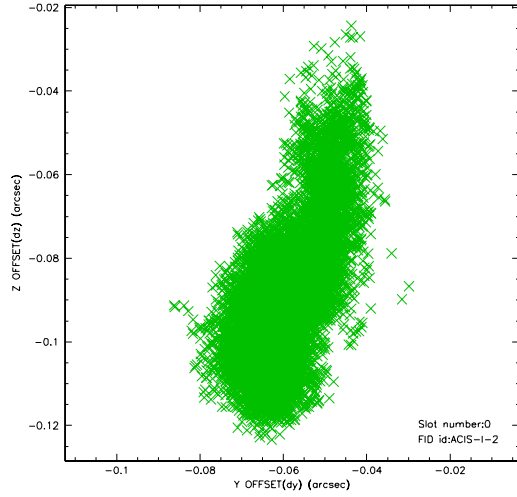


2.4.5 Slot 7

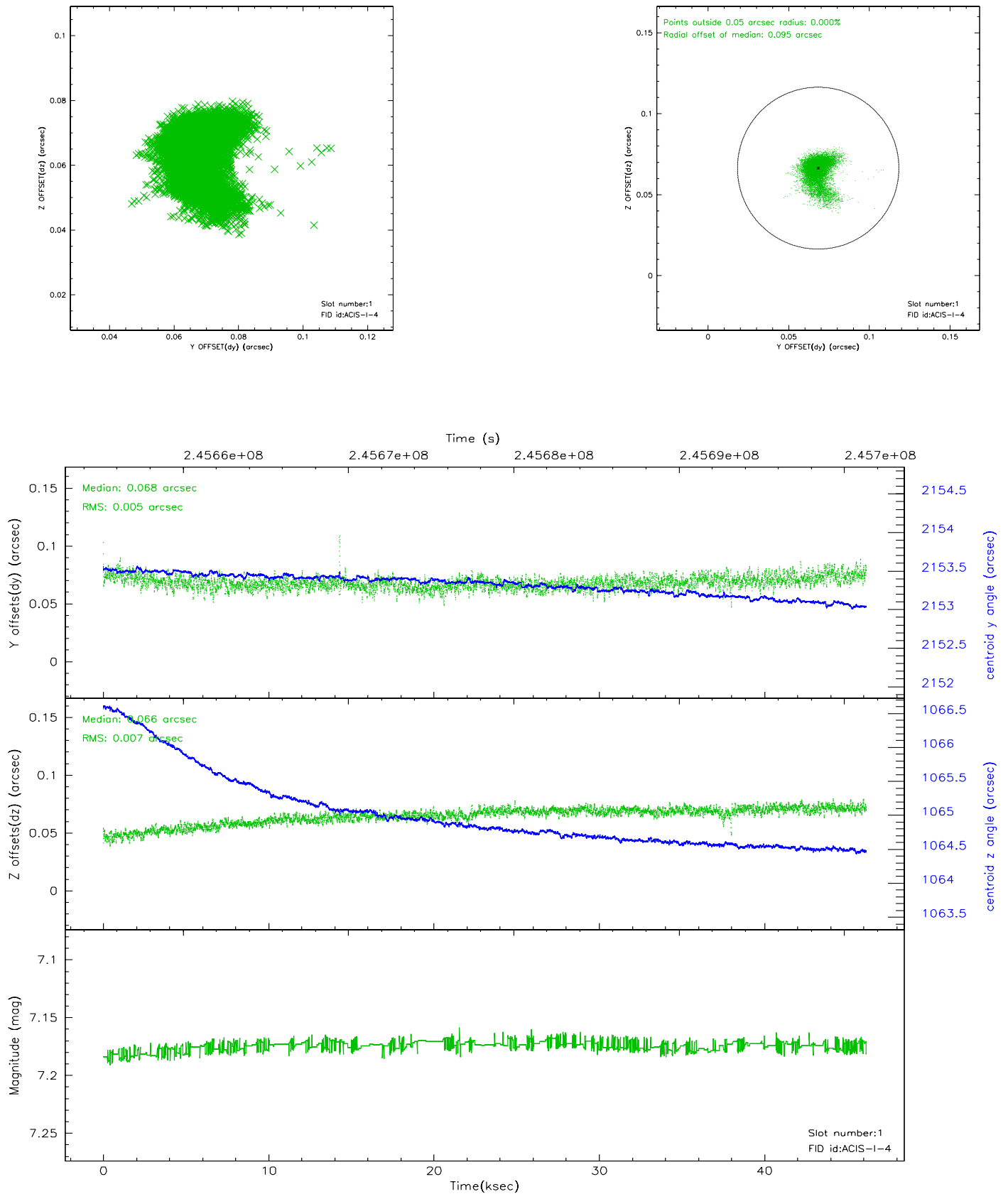


2.5 FID Slots

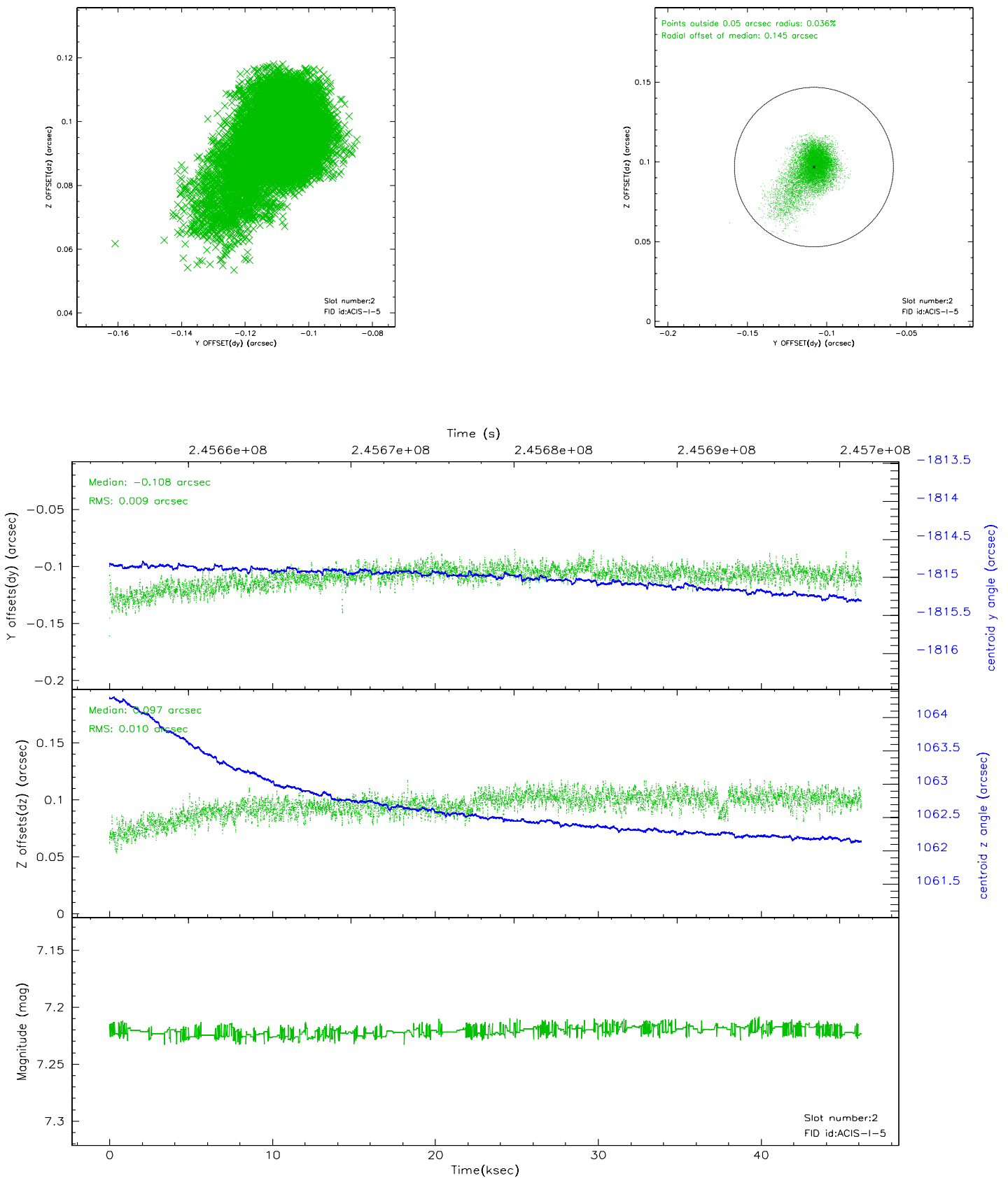
2.5.1 Slot 0



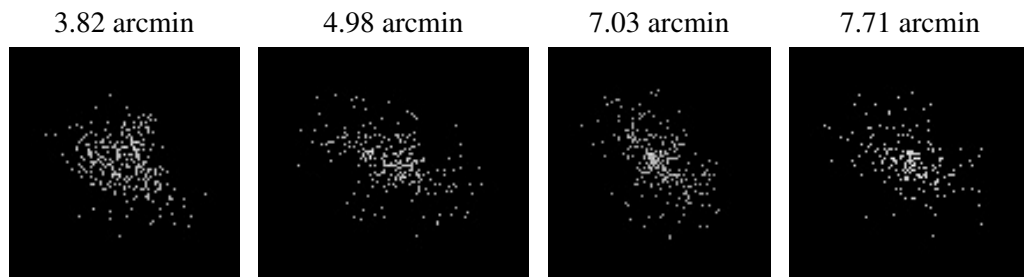
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.14961

A.2 Comments

Roll constraint satisfied.

Focal plane temperature is elevated at start of observation (initial ~10 ksec).