

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4240 - L2 Version 001
Chandra X-Ray Center

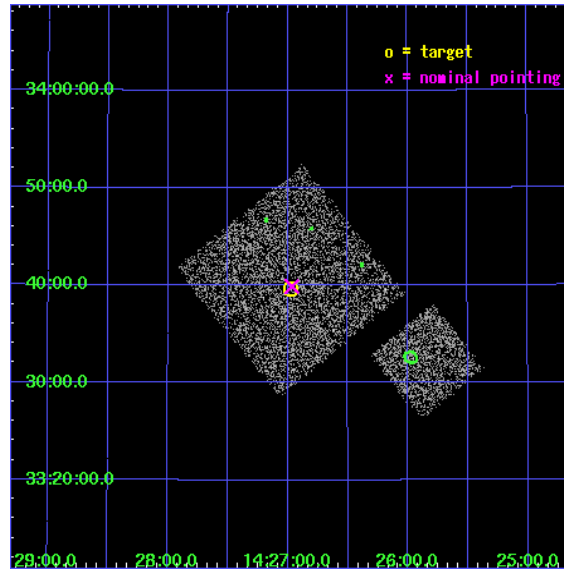
L2 Processing Date : Jul 29 2006

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1 Front

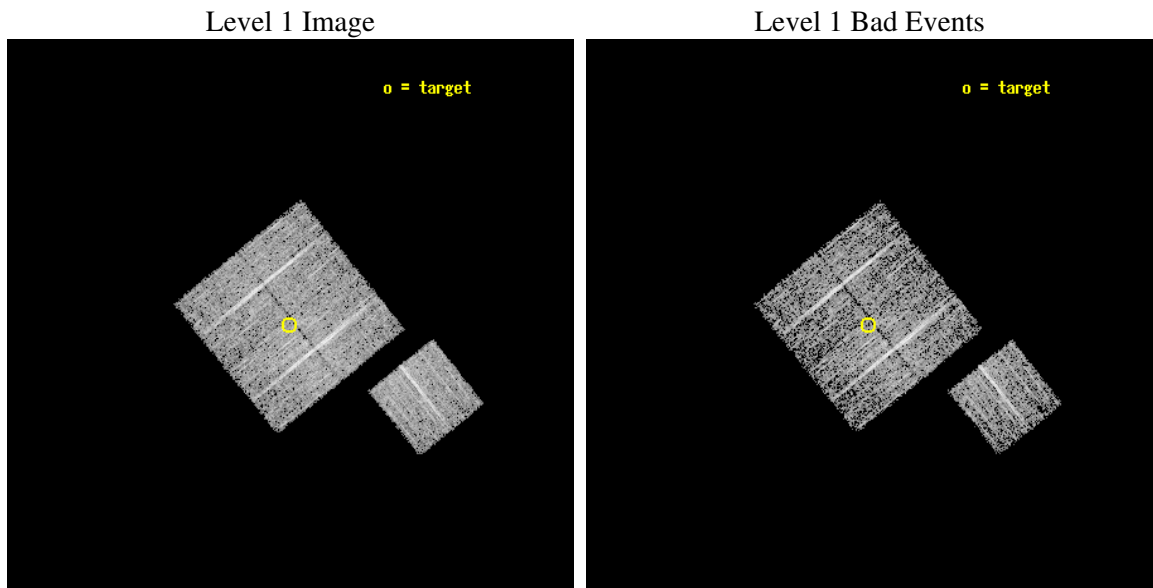
seq_num	900283
obs_id	4240
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION
observer	Dr. Christine Jones
object	SD27
dtcycle	0
cycle	P
ra_targ	216.744263
dec_targ	33.660612
ra_nom	216.74167711684
dec_nom	33.664693127197
roll_nom	141.01014174168
revision	2
ontime	4708.818020463
livetime	4647.2938464442
ontime0	4715.0999909341
ontime1	4715.0999909341
ontime2	4715.0999909341
ontime3	4708.818020463
ontime6	4715.0999909341
l2events	10842



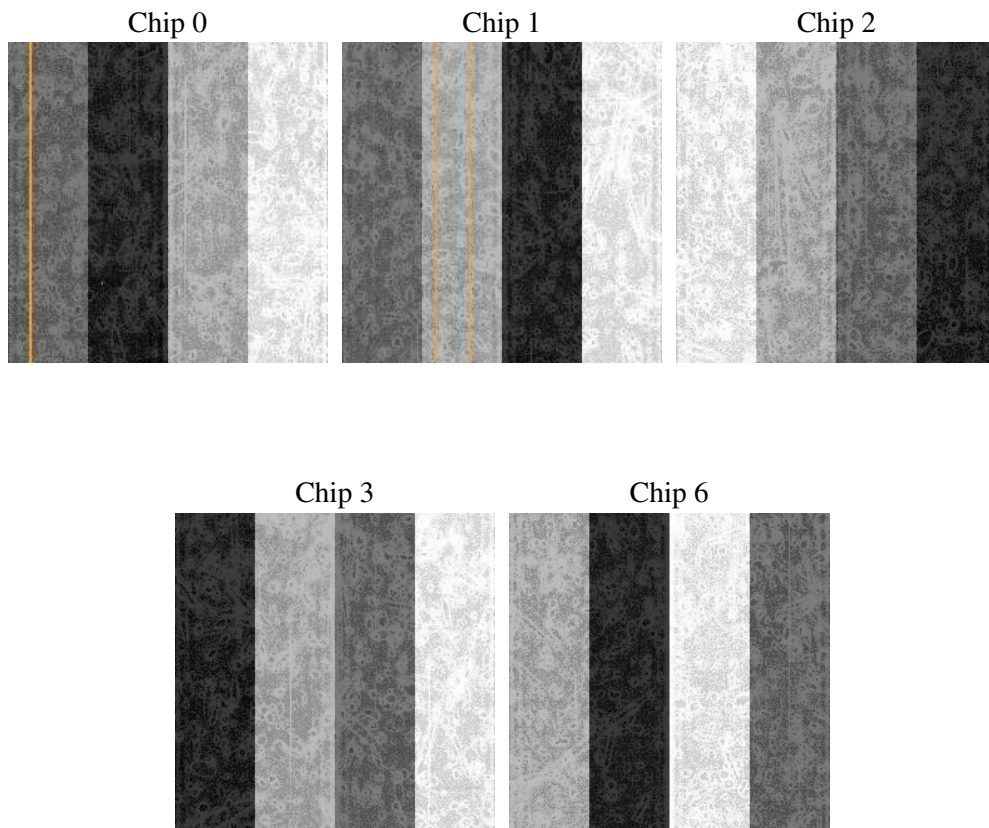
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-29T16:50:58
revision	2

sched_exp_time	4940.448000
ontime	4714.6605083942
ontime0	4720.9424589276
ontime1	4720.9424788654
ontime2	4720.9424788654
ontime3	4714.6605083942
ontime6	4720.942468971
l1events	120641

2.1.4 Events

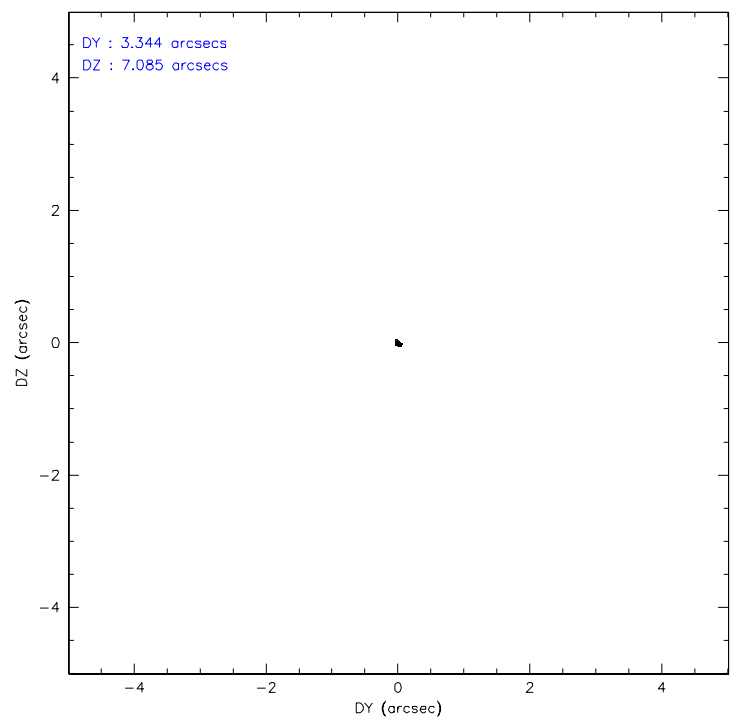
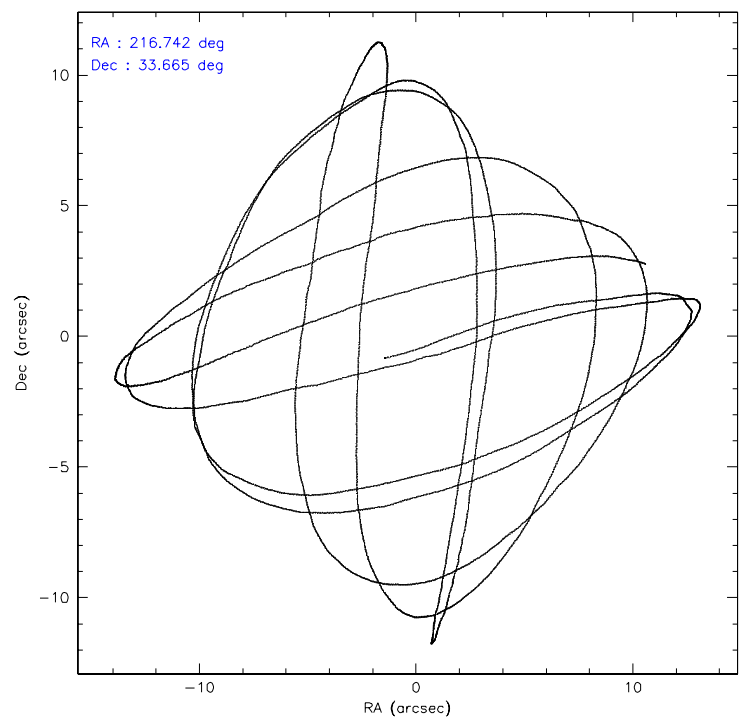
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	23269	22290	25080	24937	25065
rejected events	20667	19593	22622	22423	22332
rejected %	88%	87%	90%	89%	89%

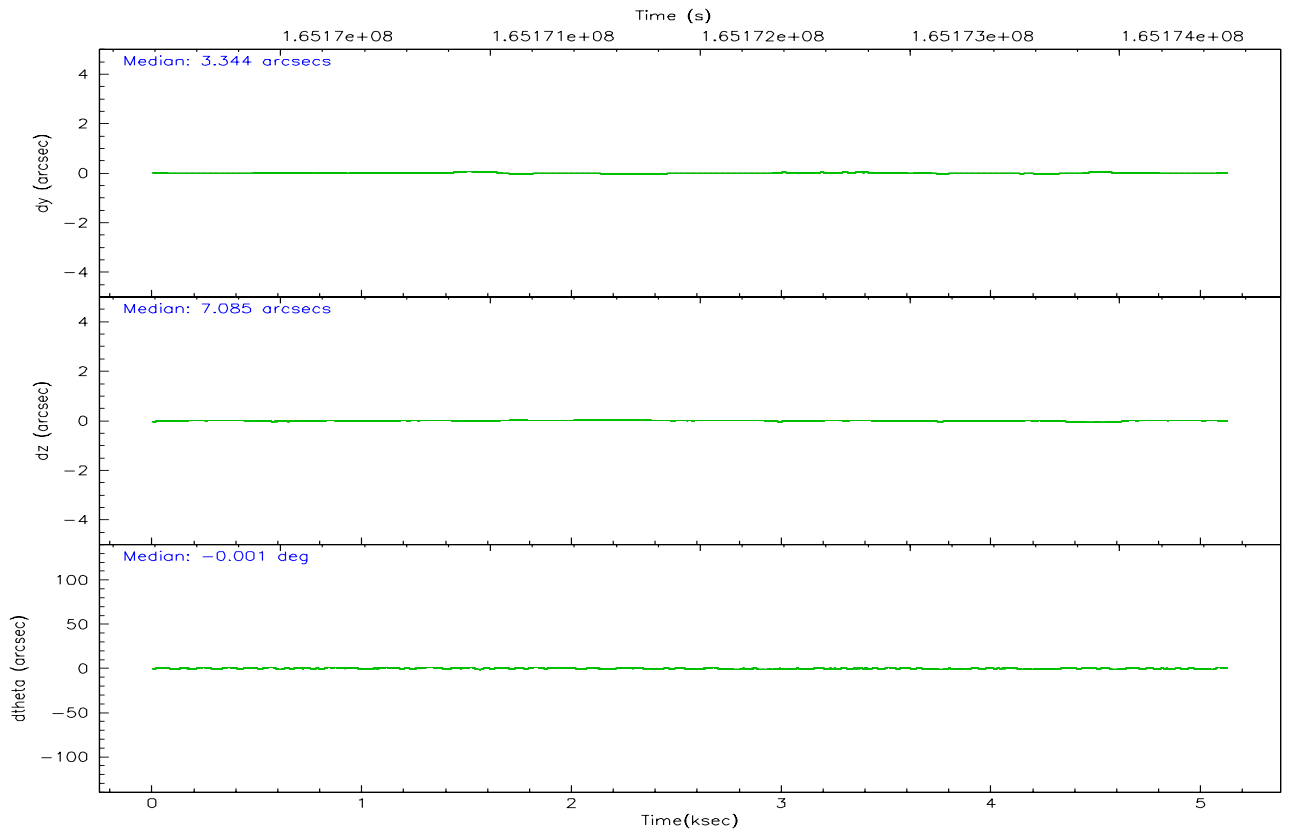
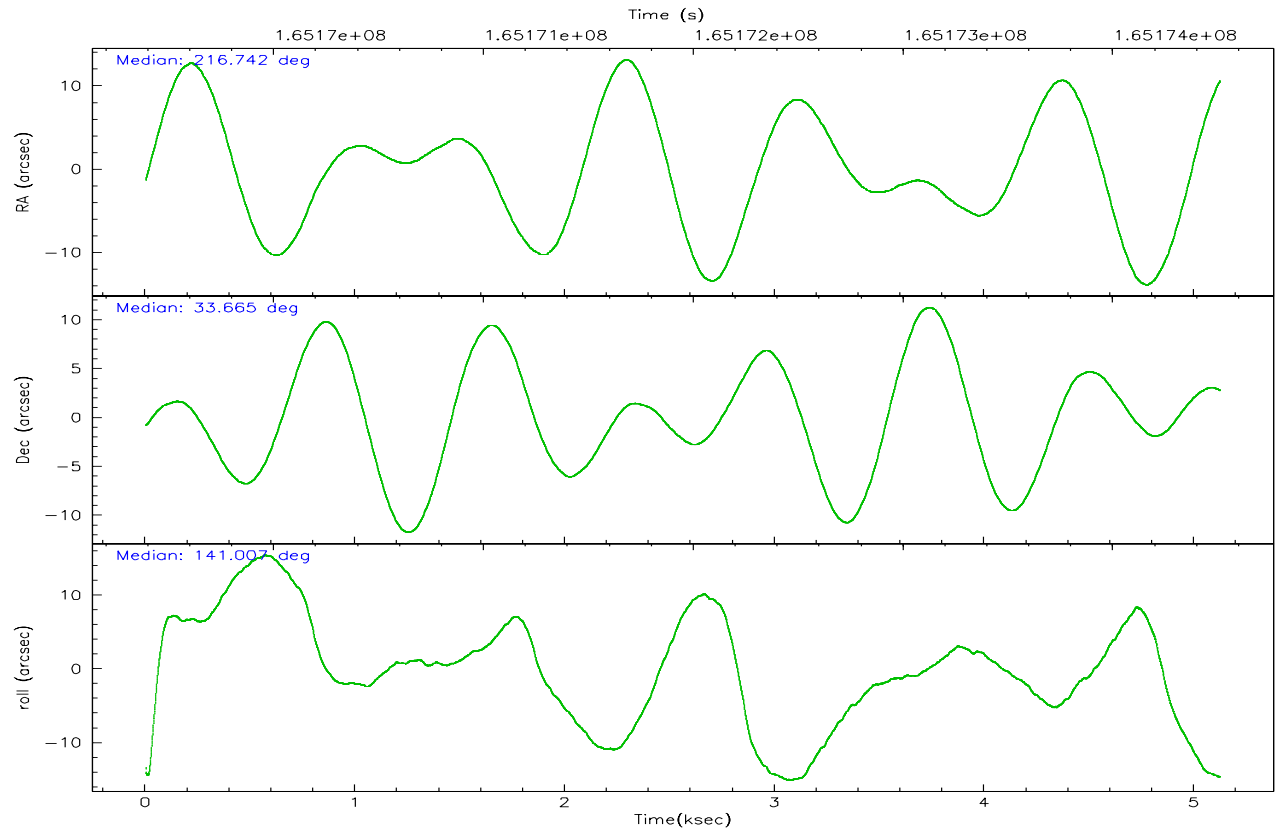
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1055	964	1011	1052	1132
	4%	4%	4%	4%	4%
grade 1 events	14	9	13	15	8
	0%	0%	0%	0%	0%
grade 2 events	550	573	500	480	525
	2%	2%	1%	1%	2%
grade 3 events	267	308	259	283	273
	1%	1%	1%	1%	1%
grade 4 events	273	318	269	274	296
	1%	1%	1%	1%	1%
grade 5 events	696	738	626	791	757
	2%	3%	2%	3%	3%
grade 6 events	459	535	422	426	508
	1%	2%	1%	1%	2%
grade 7 events	19955	18845	21980	21616	21566
	85%	84%	87%	86%	86%

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	216.774162	216.7416771168371	Alternating exposures requested	N	N
Pointing Dec	33.660523	33.66469312719683	Primary exposure time	0.000000	3.1
Pointing Roll	140.783428	141.010141741676			
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	165169579.184000	165169204.14061			
Observation start date	2003-03-27T16:25:15	2003-03-27T16:20:04			
Observation end time	165174520.184000	165174834.46585			
Observation end date	2003-03-27T17:47:36	2003-03-27T17:53:54			
Read mode	TIMED	TIMED			

2.3 Aspect



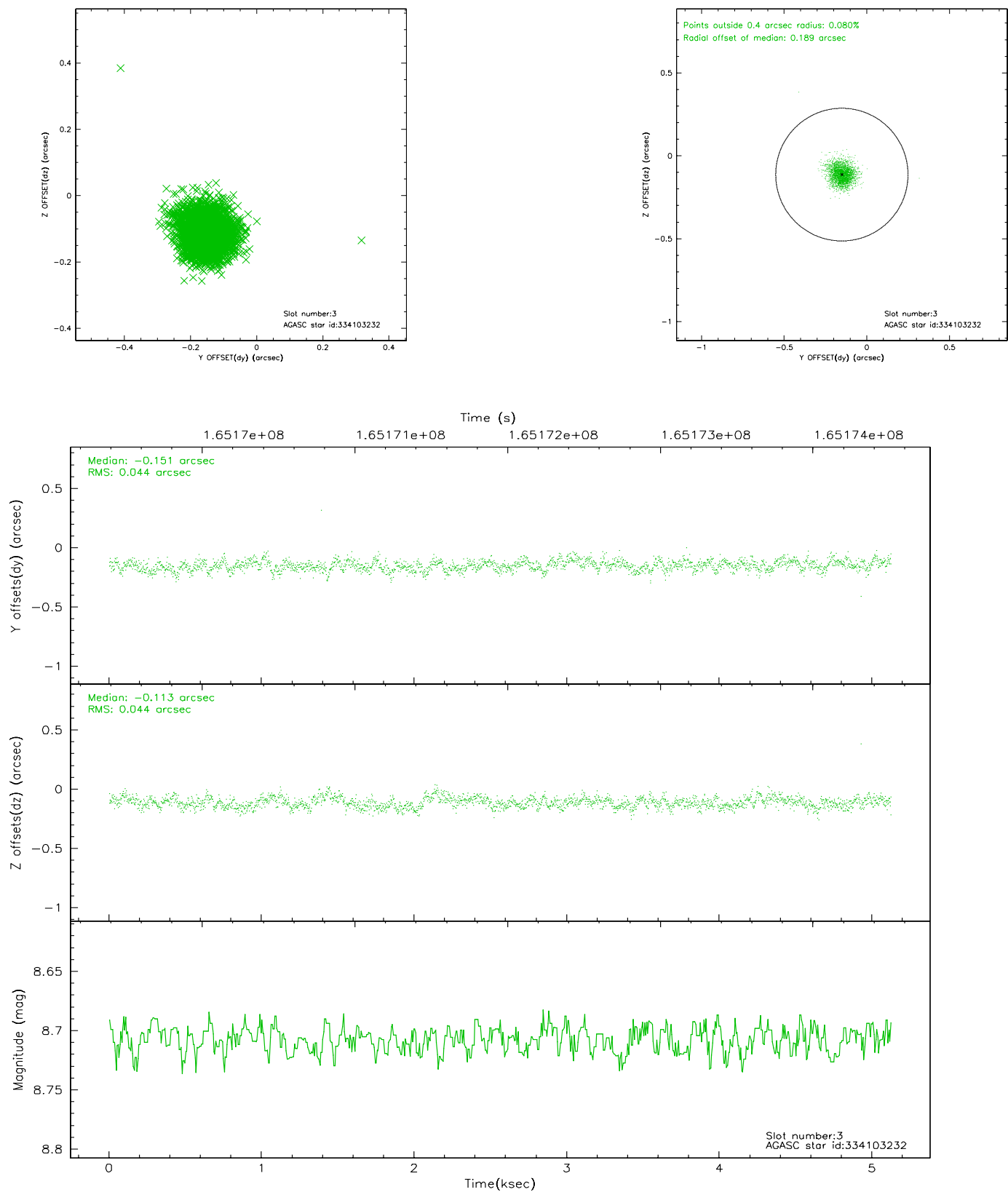


Slot Statistics

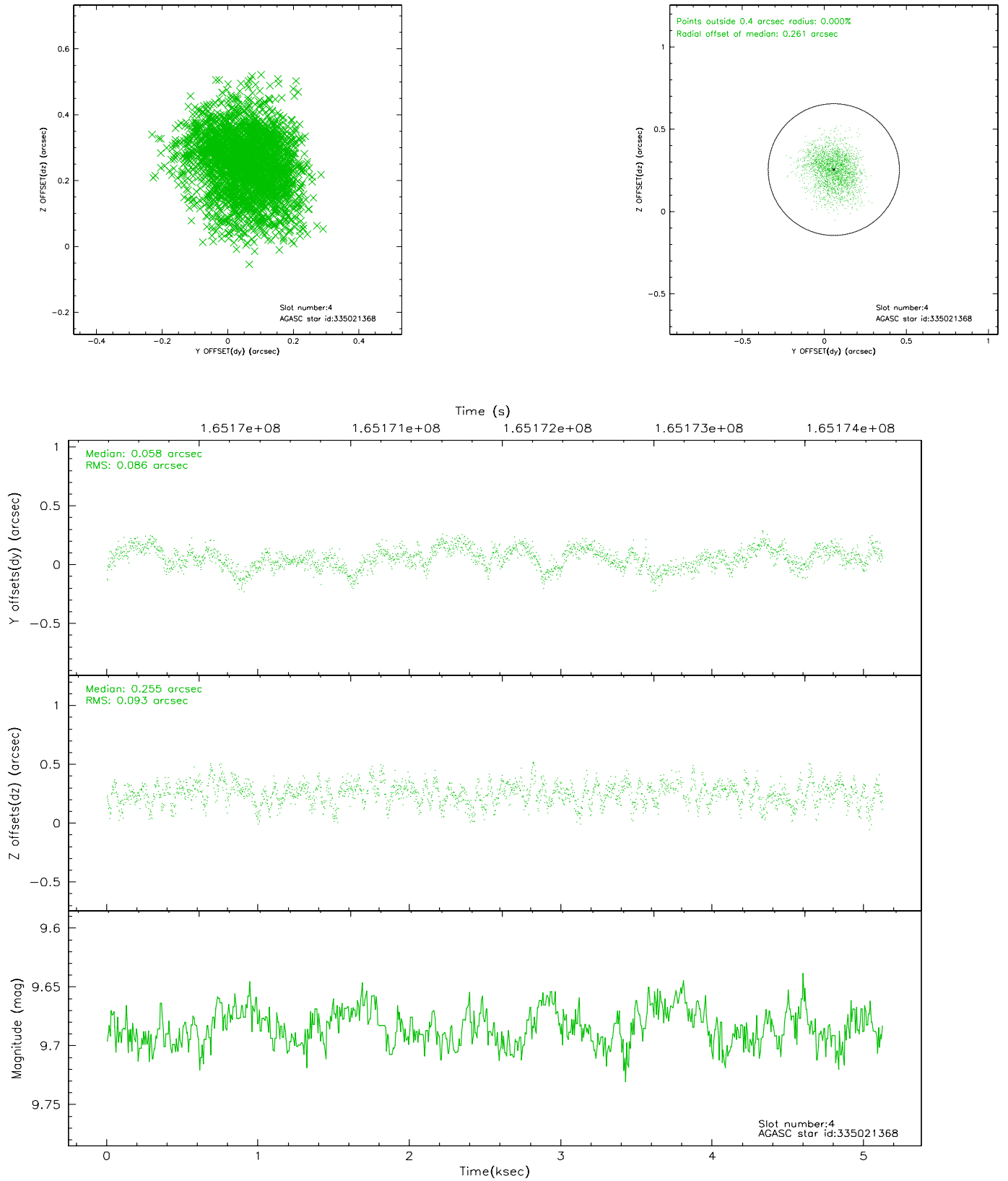
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1250	0.000	0.037	0.007	0.013	0.000000	0.000000	936.42	-830.46
1	FID	ACIS-I-5	7.24	1250	-0.060	0.054	0.006	0.011	0.000000	0.000000	-1811.05	1066.51
2	FID	ACIS-I-6	7.26	1250	-0.031	-0.021	0.007	0.012	0.000000	0.000000	400.70	1712.24
3	GUIDE	334103232	8.71	2499	-0.151	-0.113	0.064	0.104	215.850271	33.571936	1953.24	1990.08
4	GUIDE	335021368	9.69	2451	0.058	0.255	0.134	0.218	217.529643	33.934817	-1117.35	-2196.75
5	GUIDE	335025848	9.73	2499	0.039	0.040	0.102	0.163	217.530531	33.778292	-1480.29	-1766.35
6	GUIDE	335028240	9.17	2494	0.001	-0.156	0.077	0.124	216.746851	33.385009	-563.66	819.94
7	GUIDE	335029368	10.12	2497	0.061	-0.014	0.164	0.273	217.181018	33.065030	-2304.89	883.64

2.4 Star Slots

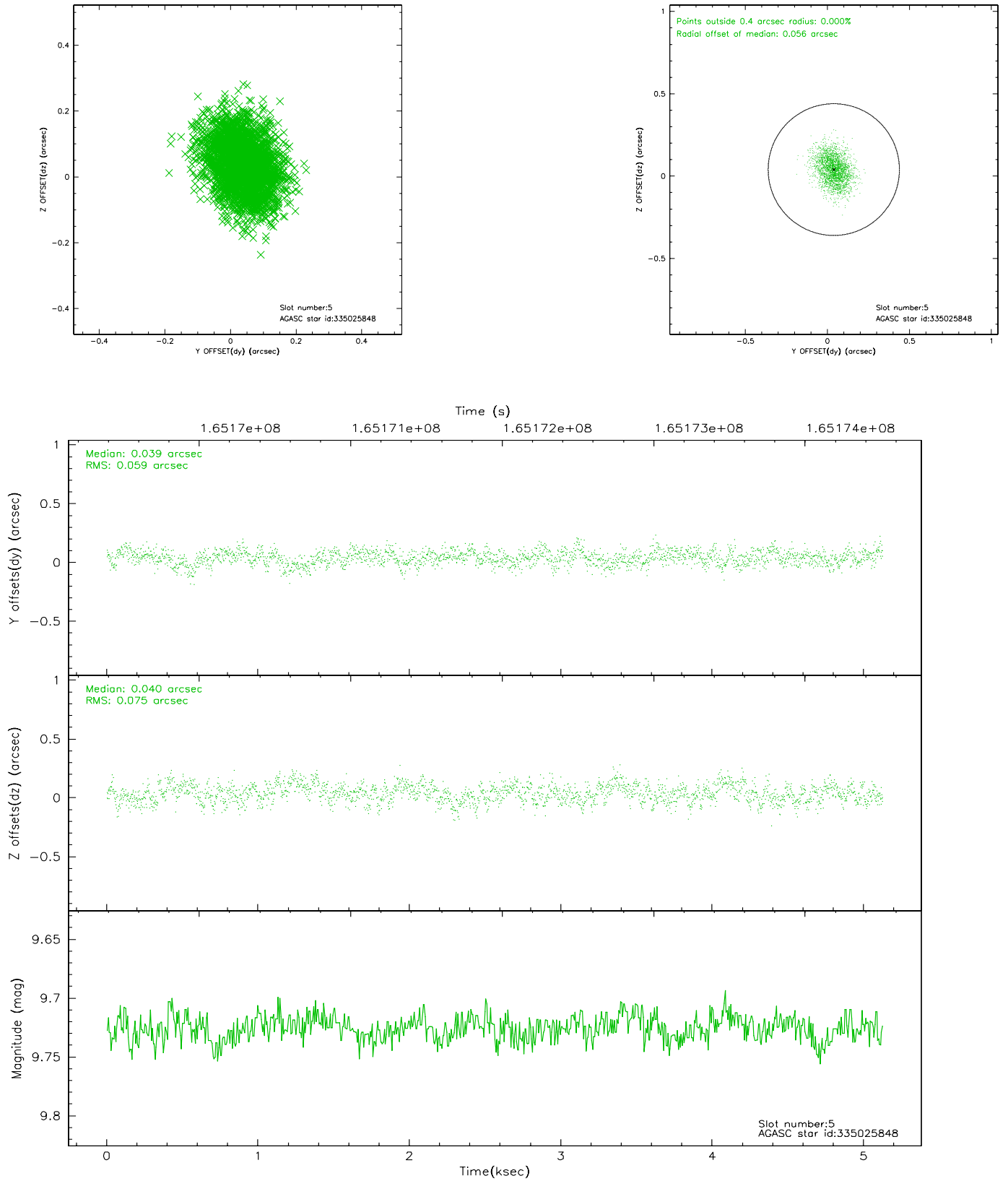
2.4.1 Slot 3



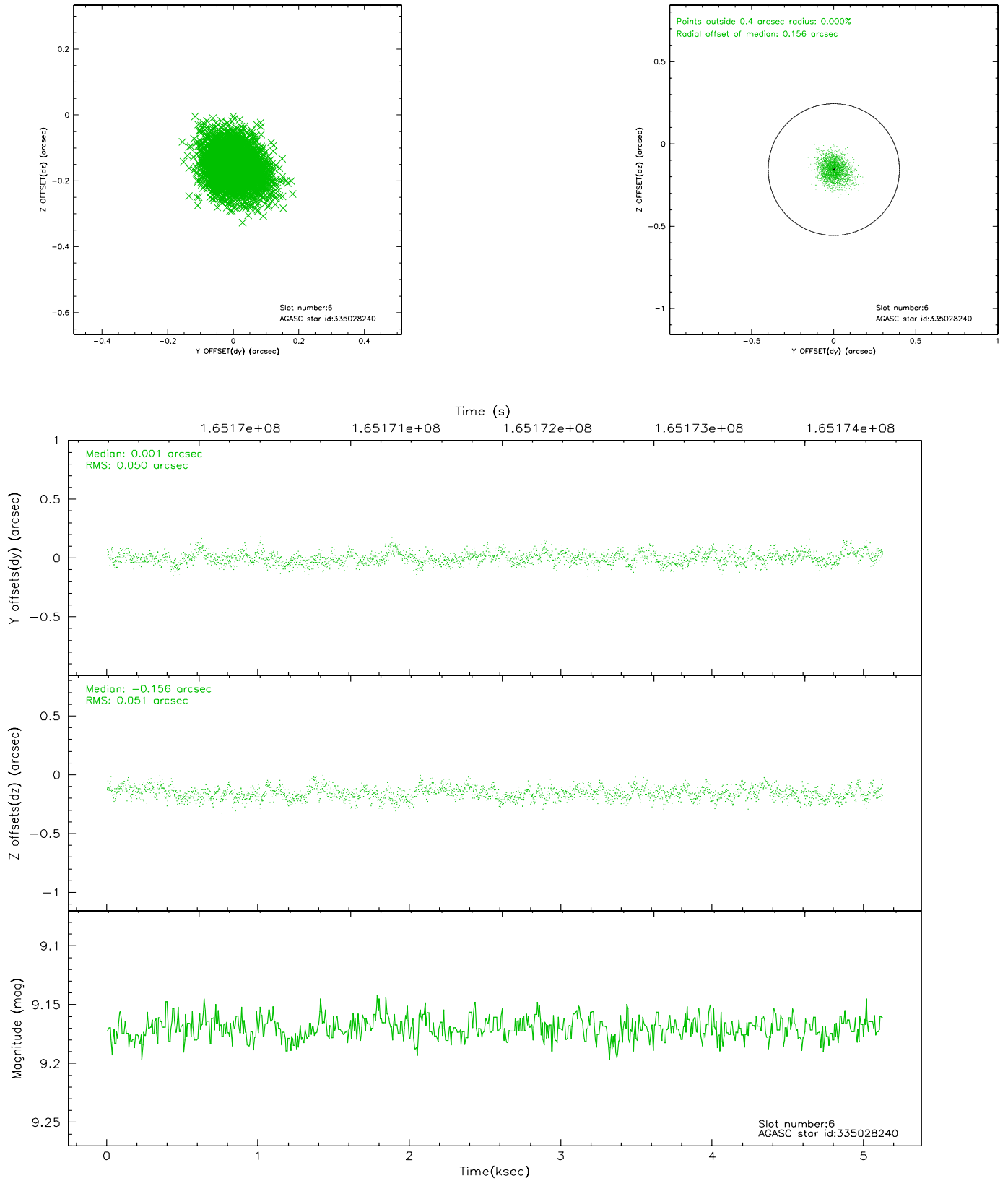
2.4.2 Slot 4



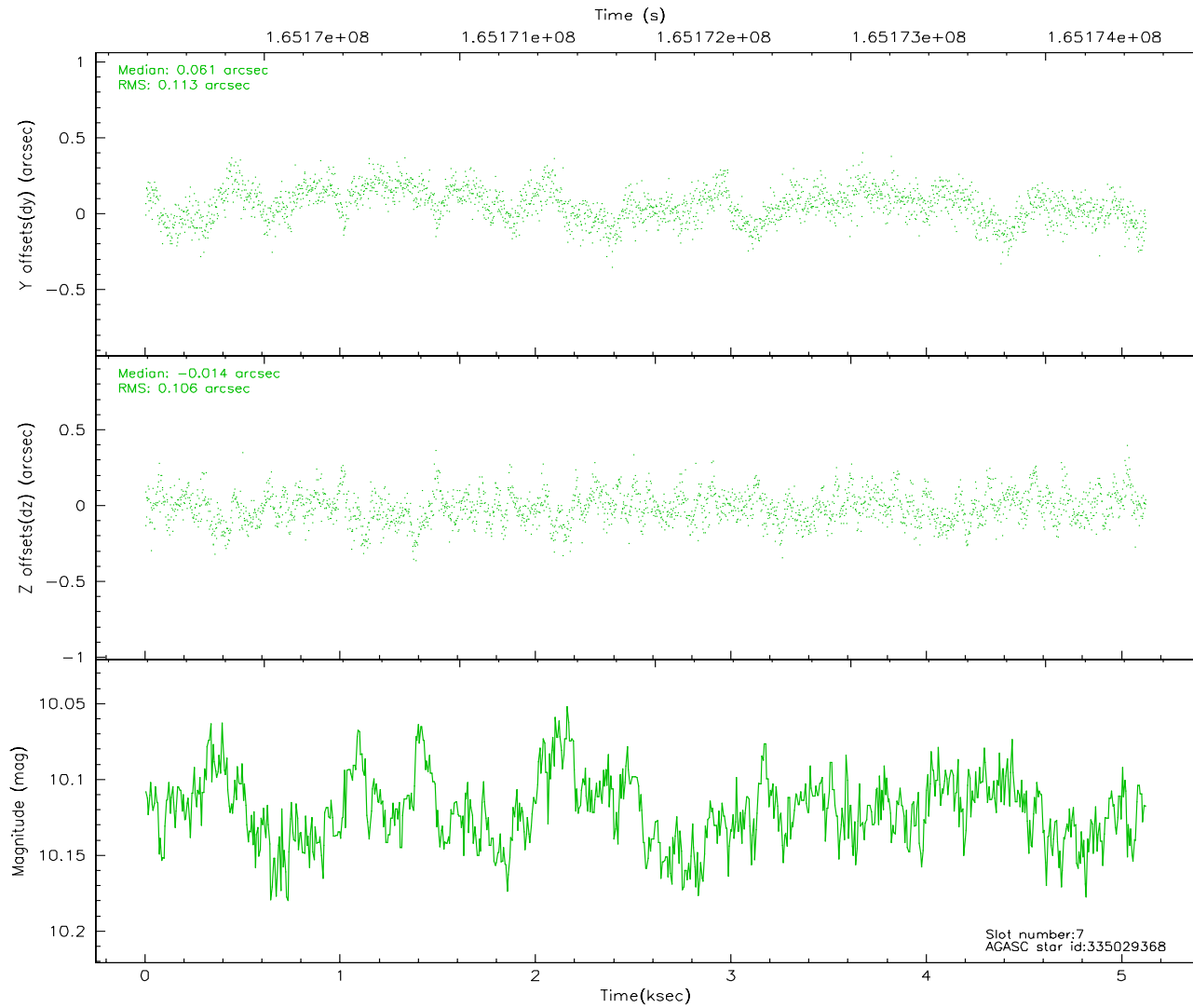
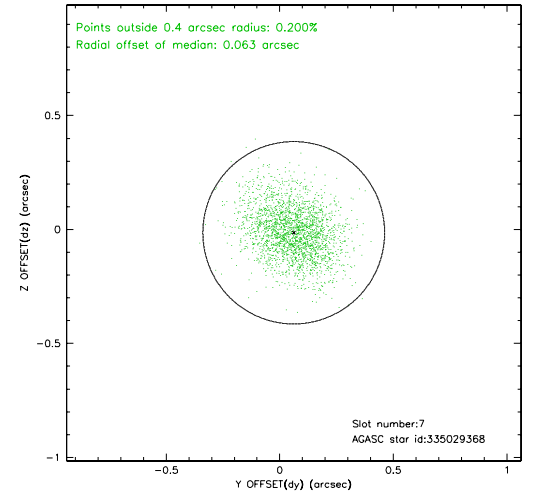
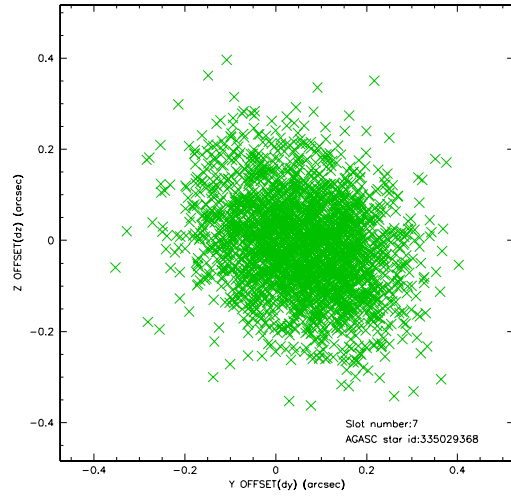
2.4.3 Slot 5



2.4.4 Slot 6

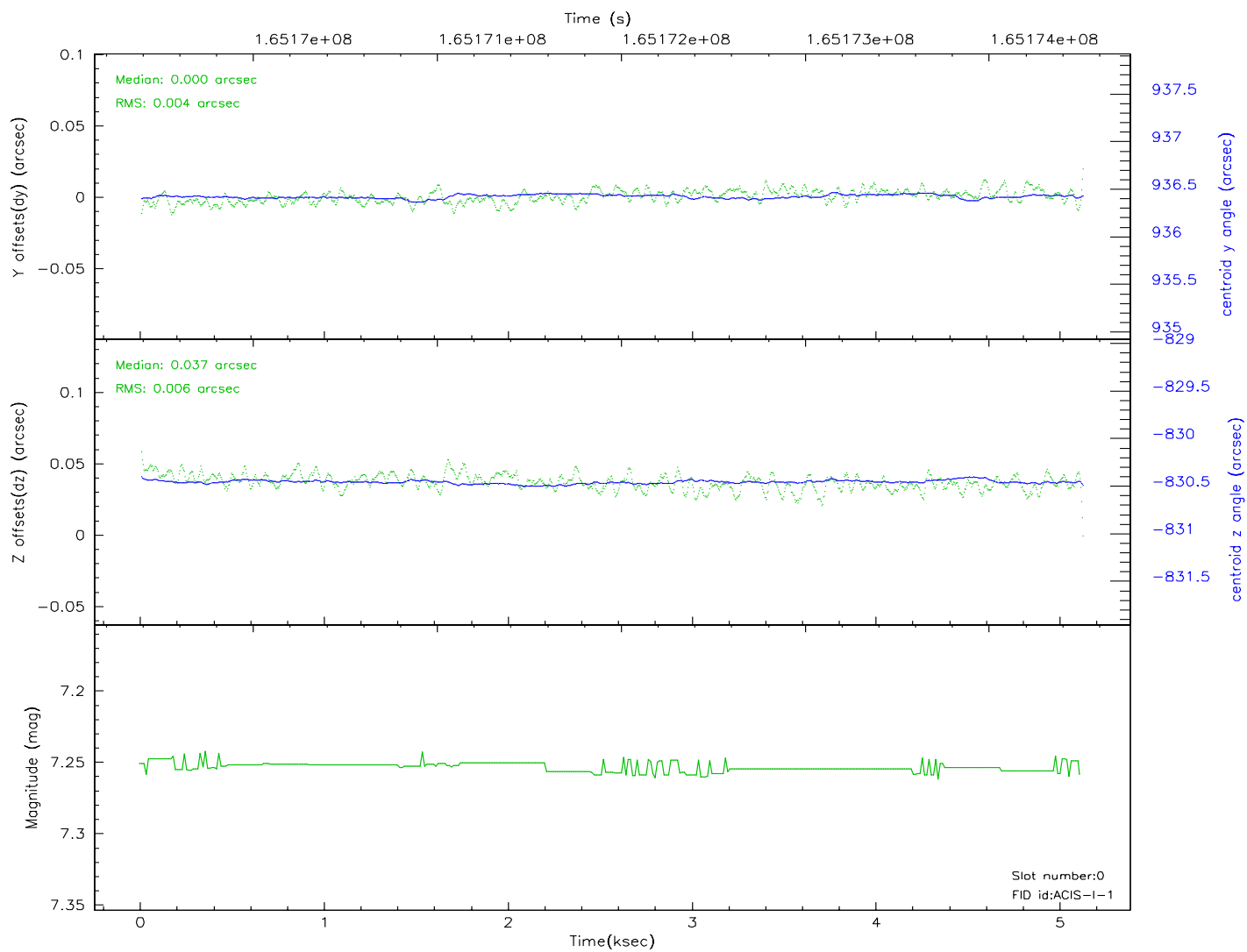
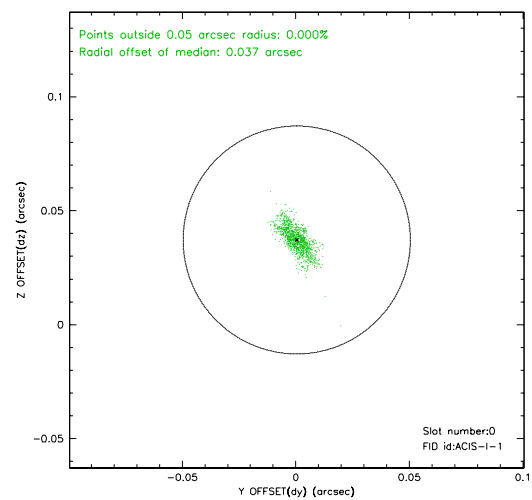
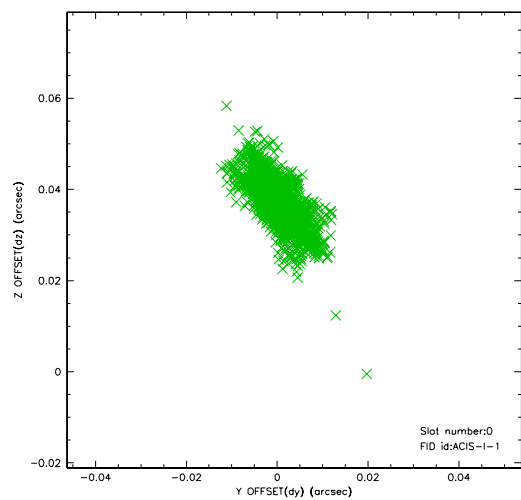


2.4.5 Slot 7

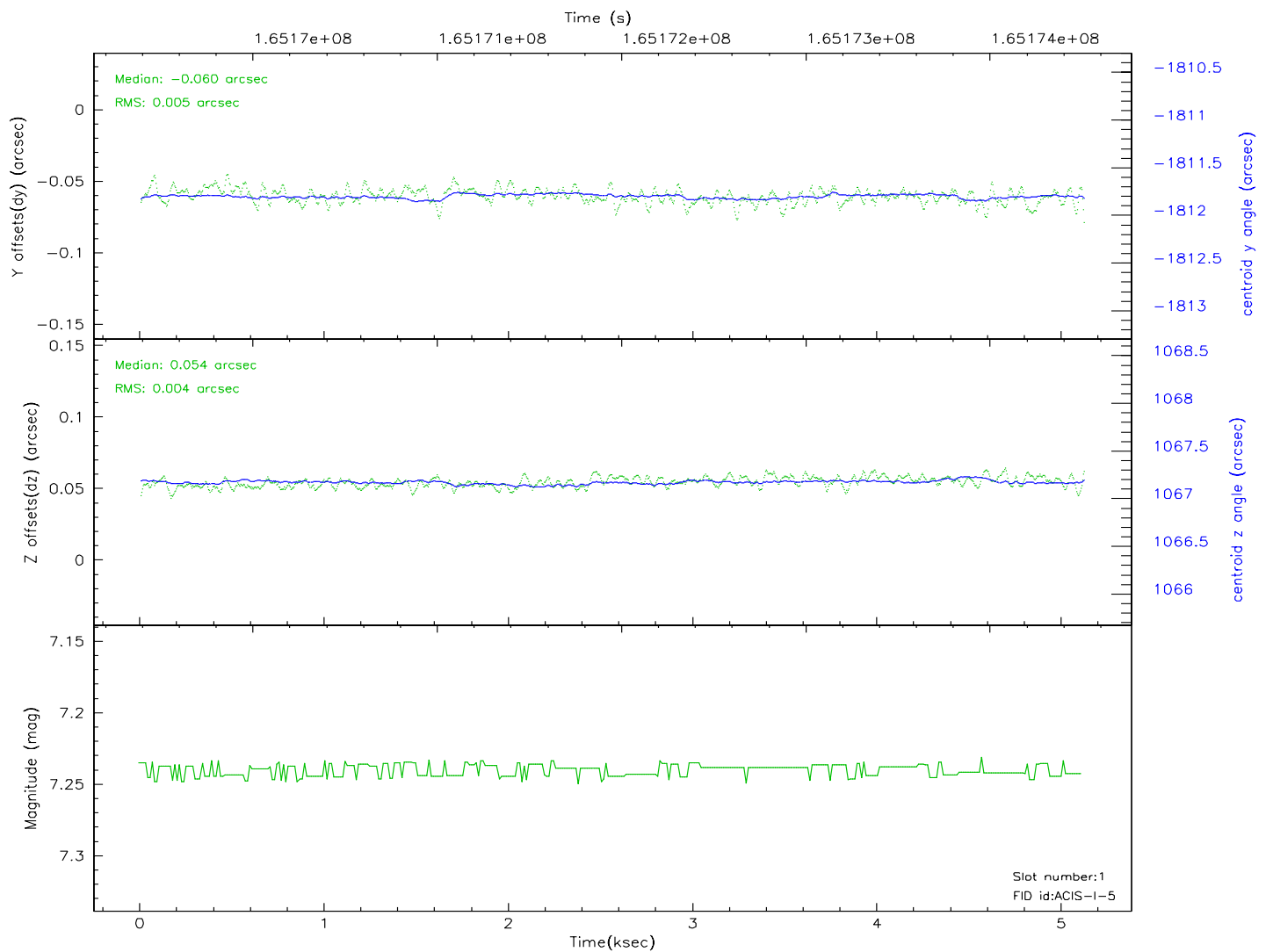
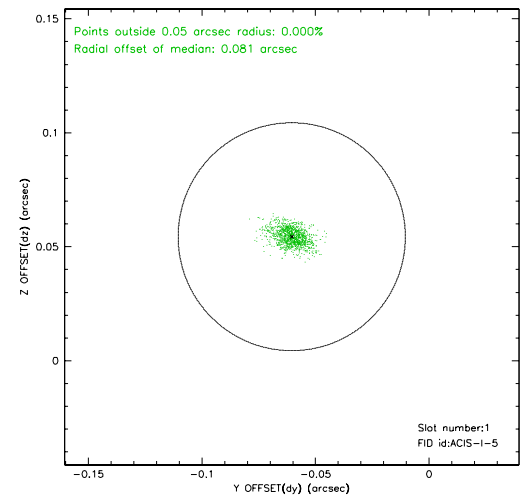
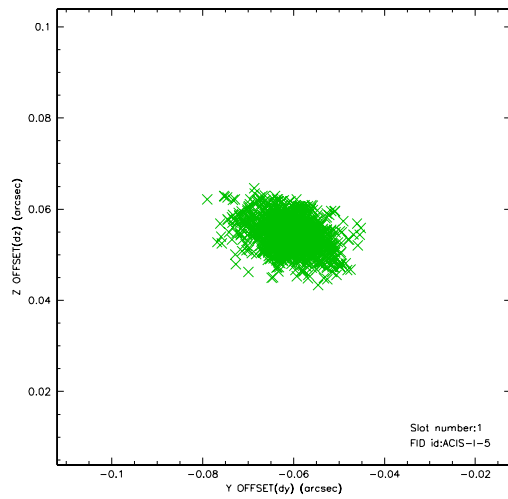


2.5 FID Slots

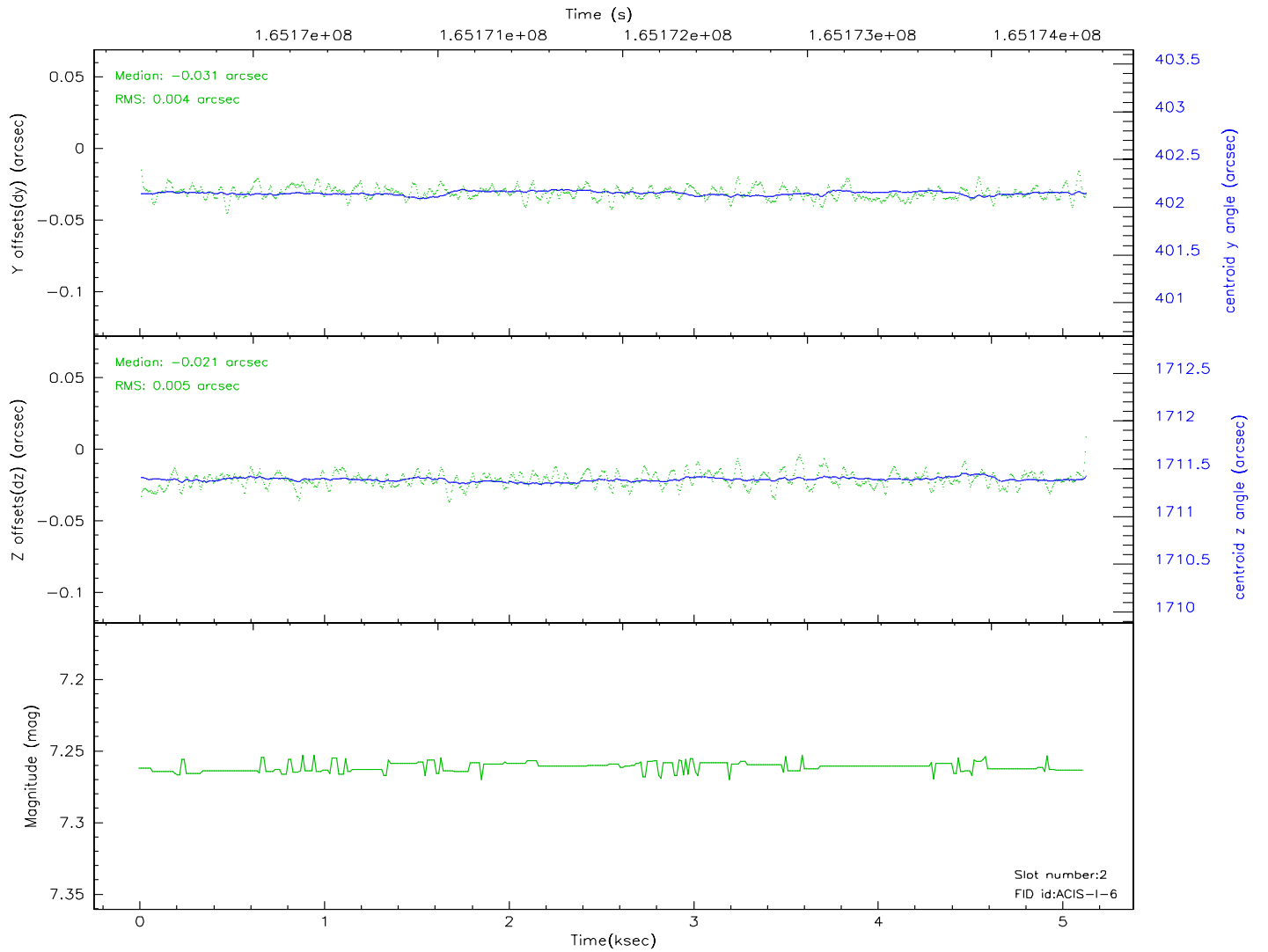
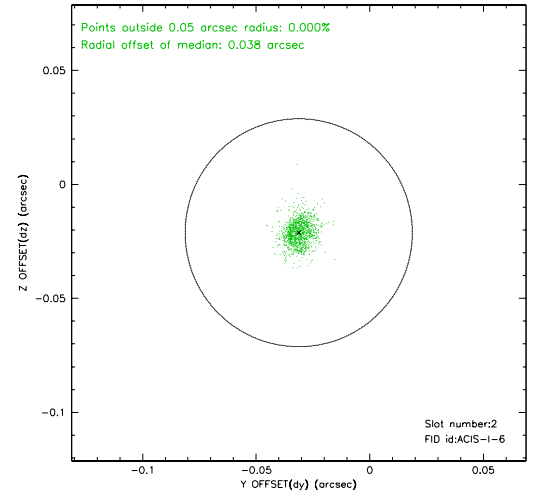
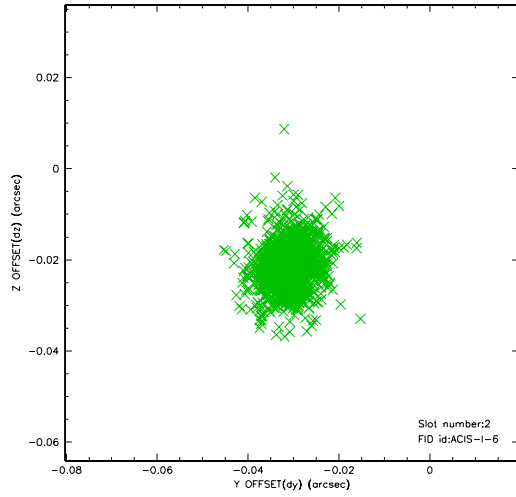
2.5.1 Slot 0



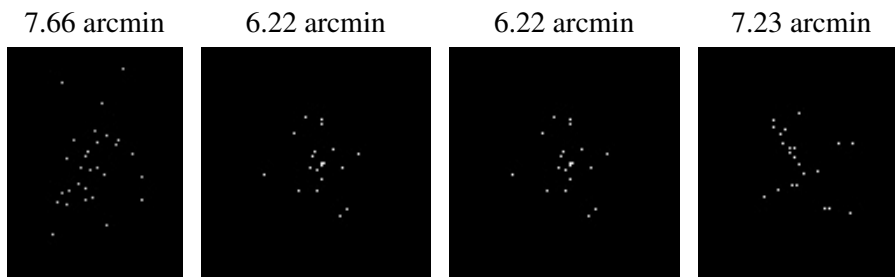
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.711

A.2 Comments

The ACIS focal plane temperature was above calibration limits for the entire observation.

The ACIS spectral response calibration is less accurate at these warmer temperatures than it is at -119.7 C. Users whose science objectives depend on the most accurate spectral response (ie: 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.