

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6215 - L2 Version 002
Chandra X-Ray Center

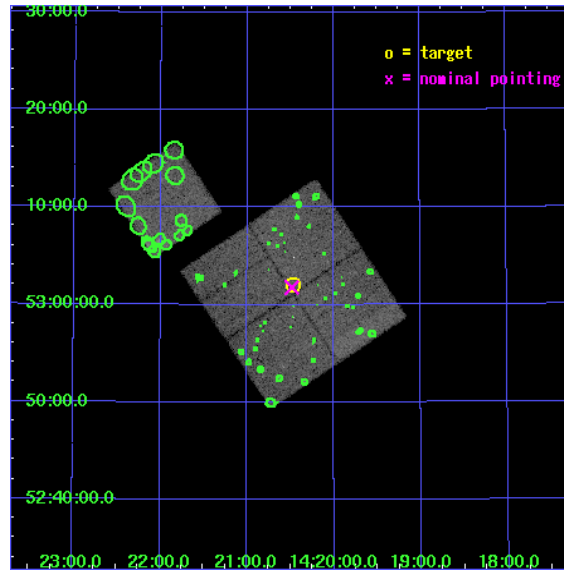
L2 Processing Date : Mar 26 2006

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1 Front

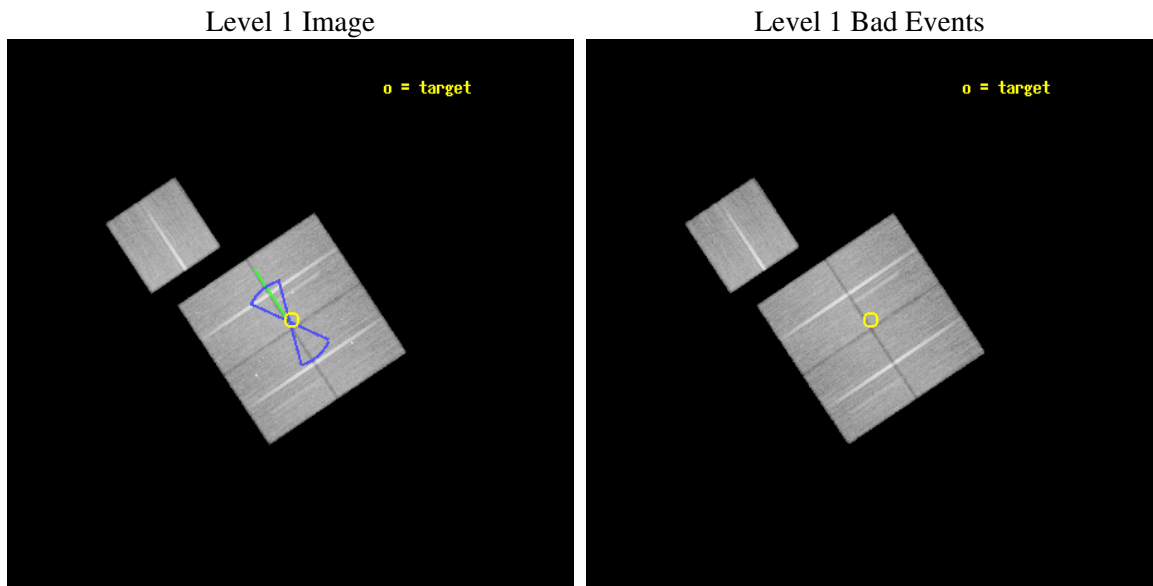
seq_num	900350
obs_id	6215
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Professor Kirpal Nandra
object	EGS-3
dtcycle	0
cycle	P
ra_targ	215.116653
dec_targ	53.033695
ra_nom	215.12088450675
dec_nom	53.029819097942
roll_nom	326.32856743586
revision	2
ontime	49271.358935028
livetime	48627.592357495
ontime0	49274.499905258
ontime1	49268.217974752
ontime2	49265.077014476
ontime3	49271.358935028
ontime6	49274.499905258
l2events	132174



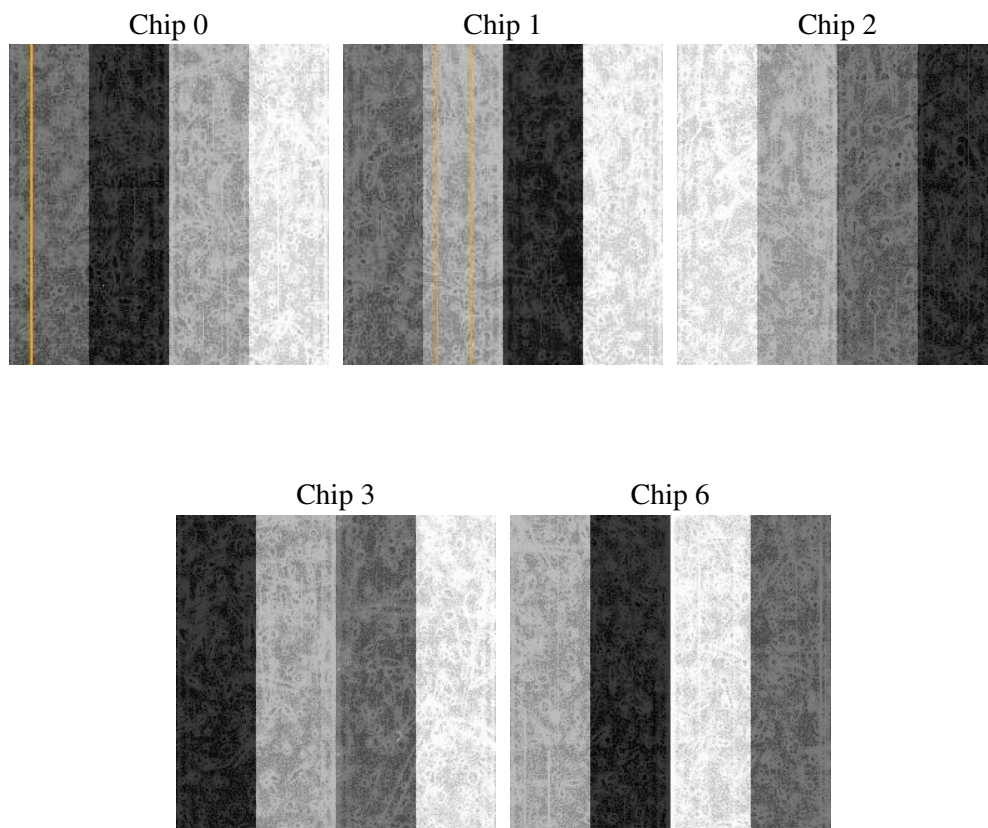
2 OBI

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	2006-03-26T06:05:18
revision	2

sched_exp_time	49140.713000
ontime	50965.924934596
ontime0	50969.065934747
ontime1	50962.784004241
ontime2	50959.643043965
ontime3	50965.924934596
ontime6	50969.065934747
l1events	1531684

2.1.4 Events

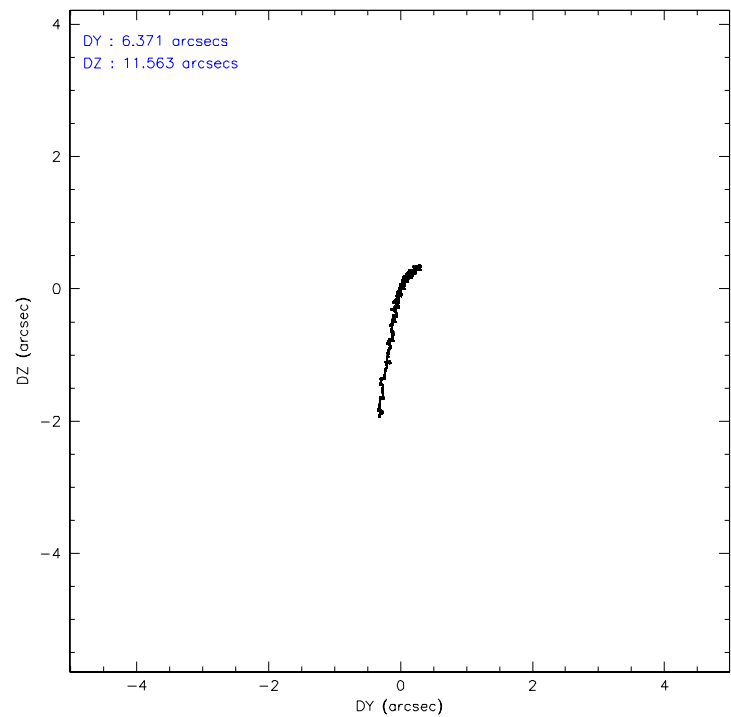
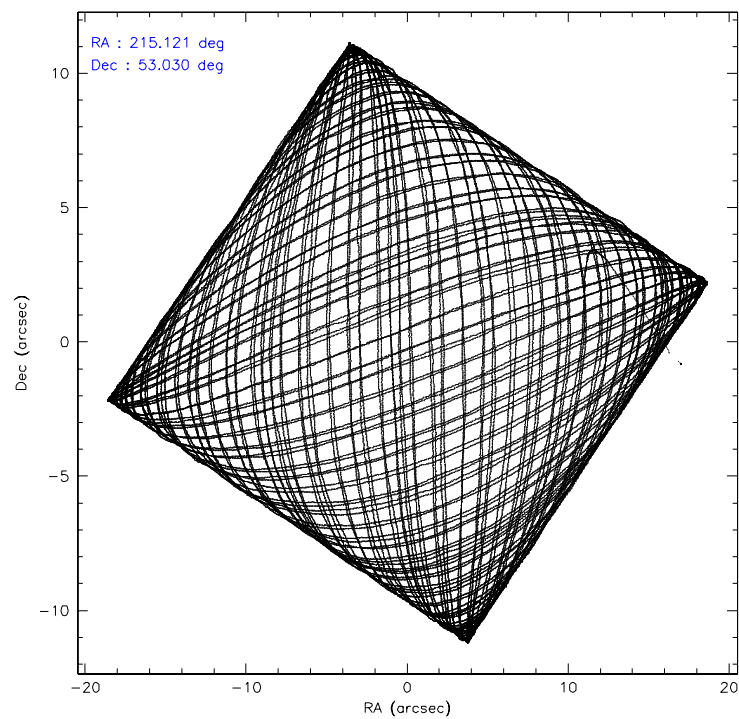
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	295657	291441	326697	308456	309433
rejected events	264299	256070	296960	278862	277592
rejected %	89%	87%	90%	90%	89%

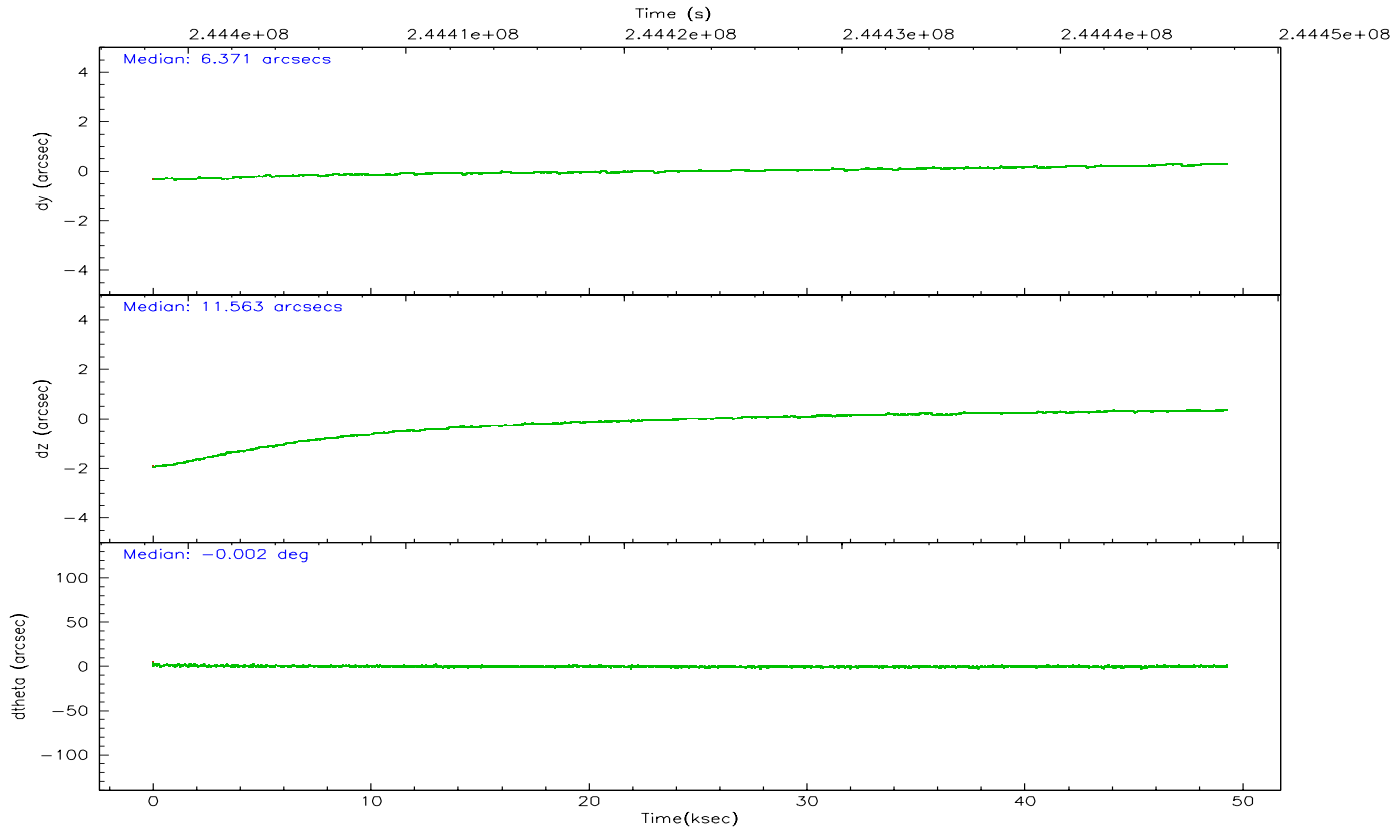
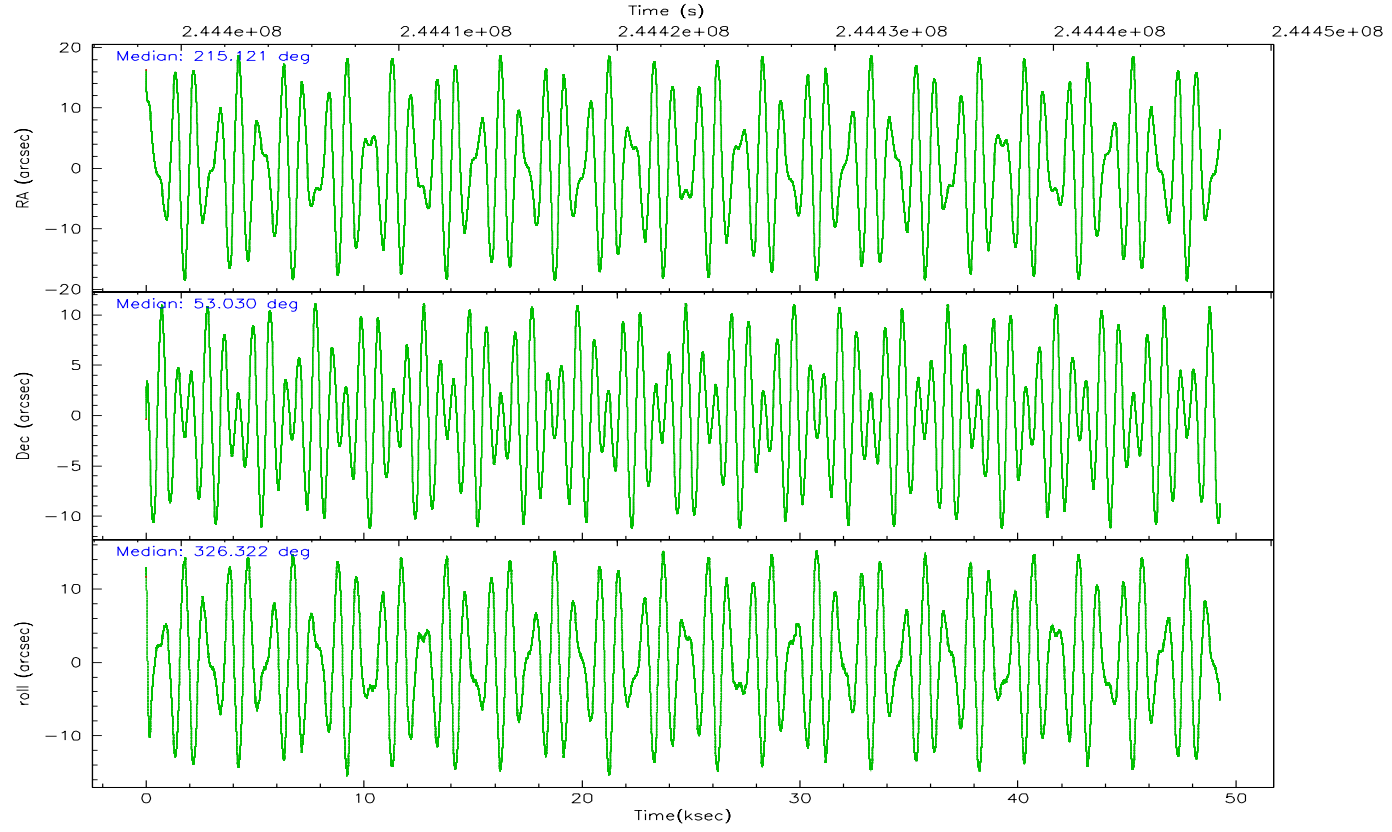
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11861	13822	11086	11130	11569
	4%	4%	3%	3%	3%
grade 1 events	162	174	155	162	140
	0%	0%	0%	0%	0%
grade 2 events	7598	7850	7354	6666	7197
	2%	2%	2%	2%	2%
grade 3 events	3508	3853	3297	3437	3607
	1%	1%	1%	1%	1%
grade 4 events	3296	3765	3332	3419	3522
	1%	1%	1%	1%	1%
grade 5 events	10910	12417	10267	12782	12668
	3%	4%	3%	4%	4%
grade 6 events	6079	7229	5742	5940	6990
	2%	2%	1%	1%	2%
grade 7 events	252243	242331	285464	264920	263740
	85%	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	215.075434	215.1208845067465	Alternating exposures requested	N	N
Pointing Dec	53.031451	53.02981909794239	Primary exposure time	0.000000	3.1
Pointing Roll	326.156185	326.3285674358622			
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	244398520.184000	244396689.24368			
Observation start date	2005-09-29T16:27:36	2005-09-29T15:58:09			
Observation end time	244447661.184000	244447901.32104			
Observation end date	2005-09-30T06:06:37	2005-09-30T06:11:41			
Read mode	TIMED	TIMED			

2.3 Aspect



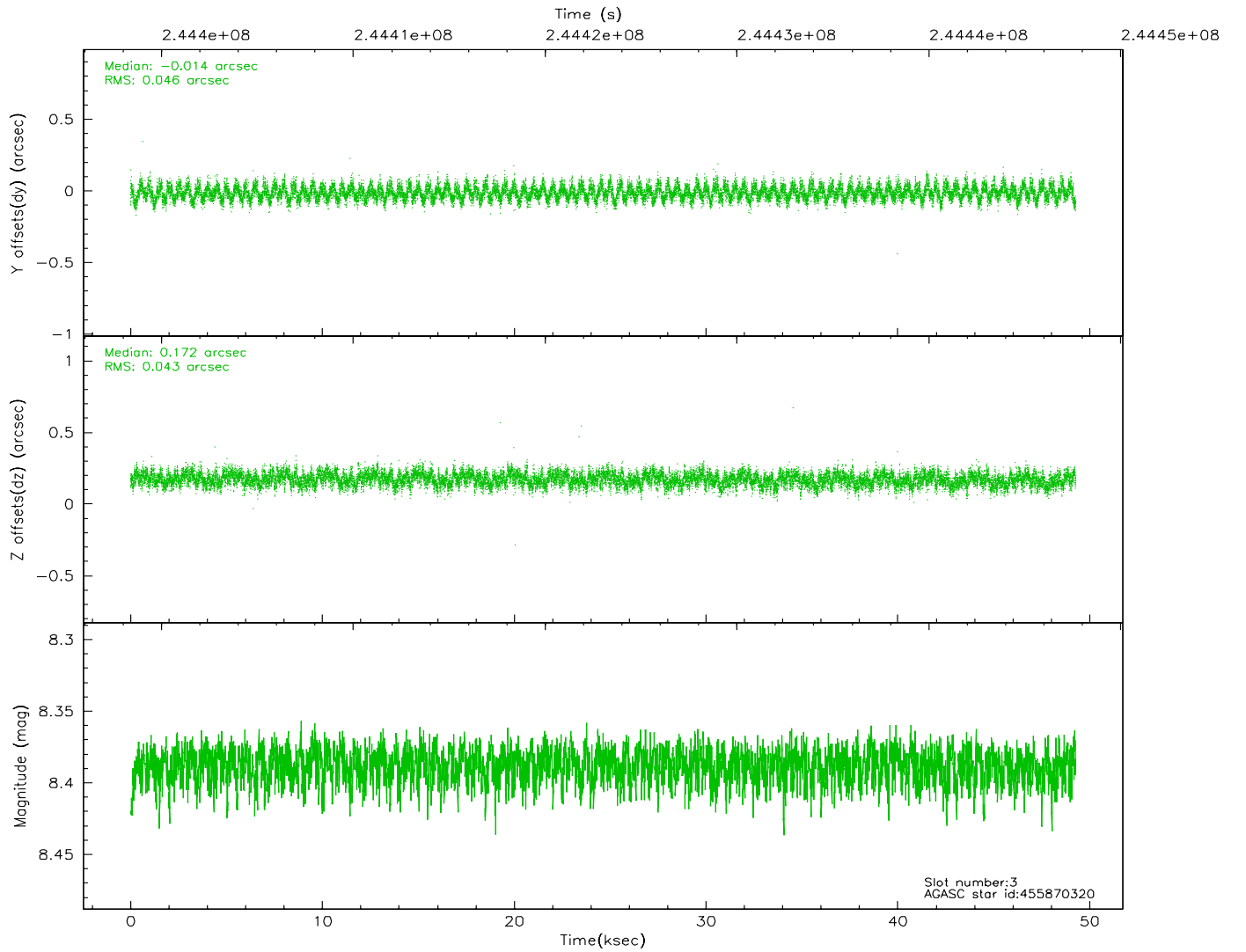
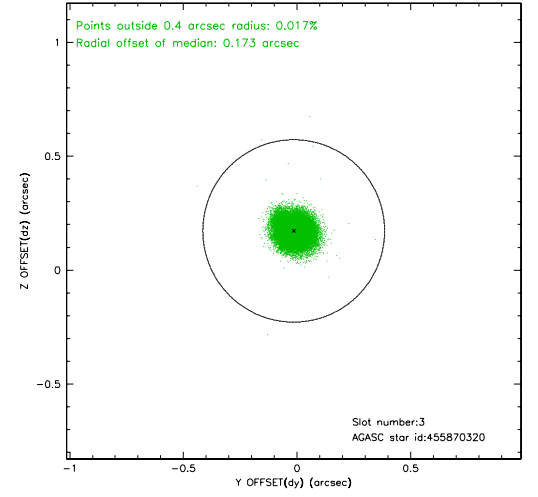
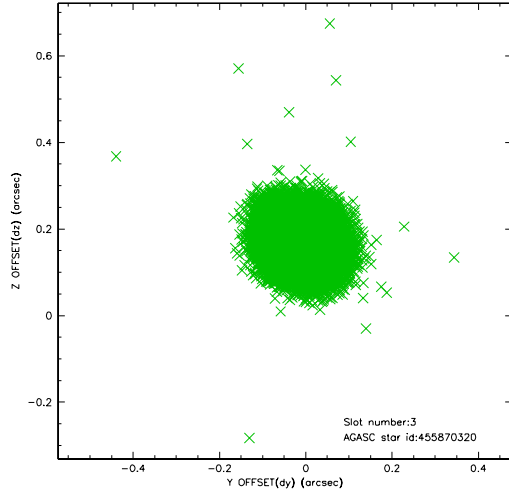


Slot Statistics

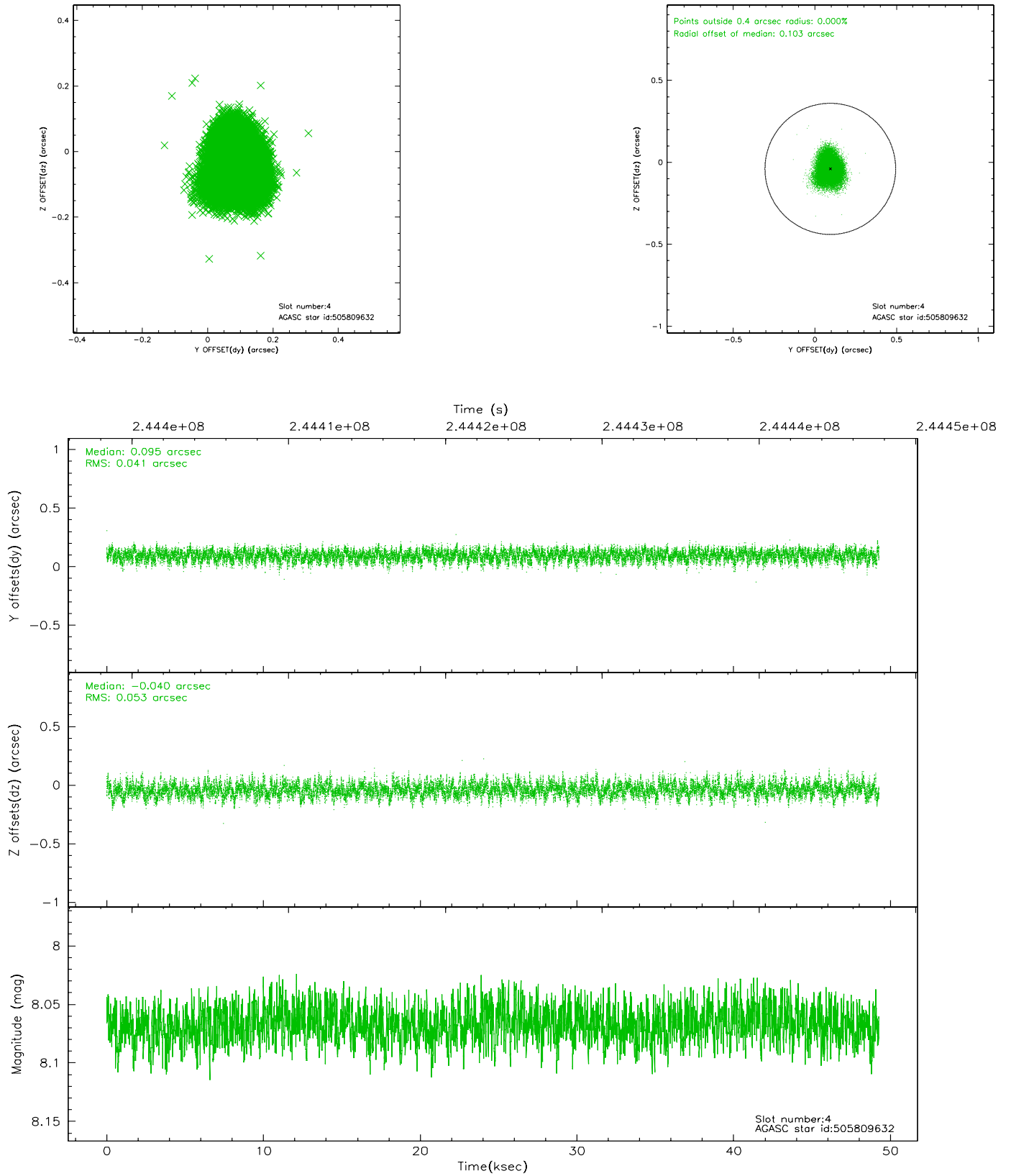
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	12020	-0.061	-0.086	0.017	0.043	0.000000	0.000000	-760.91	-841.30
1	FID	ACIS-I-4	7.18	12021	0.063	0.064	0.010	0.019	0.000000	0.000000	2153.28	1065.03
2	FID	ACIS-I-5	7.22	12021	-0.103	0.091	0.013	0.030	0.000000	0.000000	-1814.80	1062.89
3	GUIDE	455870320	8.39	24033	-0.014	0.172	0.067	0.105	214.874440	52.401638	896.22	-2128.10
4	GUIDE	505809632	8.07	24035	0.095	-0.040	0.071	0.117	215.499426	53.521185	-229.62	1971.98
5	GUIDE	505812088	8.15	24039	0.048	-0.009	0.056	0.088	214.186617	53.263562	-2061.30	-361.97
6	GUIDE	505812376	7.72	24040	-0.104	-0.099	0.055	0.089	214.039537	52.937930	-1688.08	-1517.97
7	GUIDE	505815928	8.33	24031	-0.023	-0.020	0.056	0.089	216.234742	53.074559	1984.61	1542.46

2.4 Star Slots

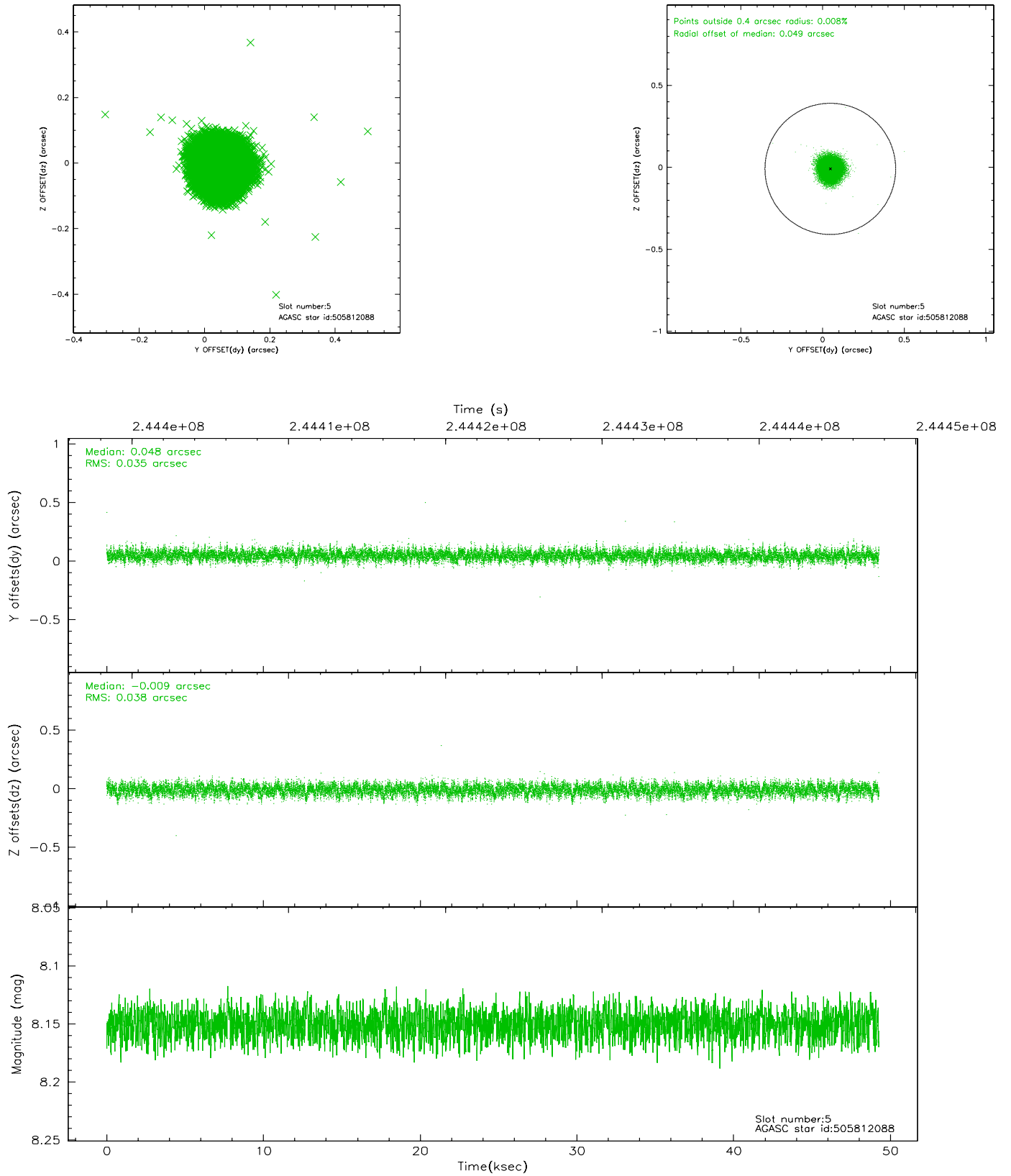
2.4.1 Slot 3



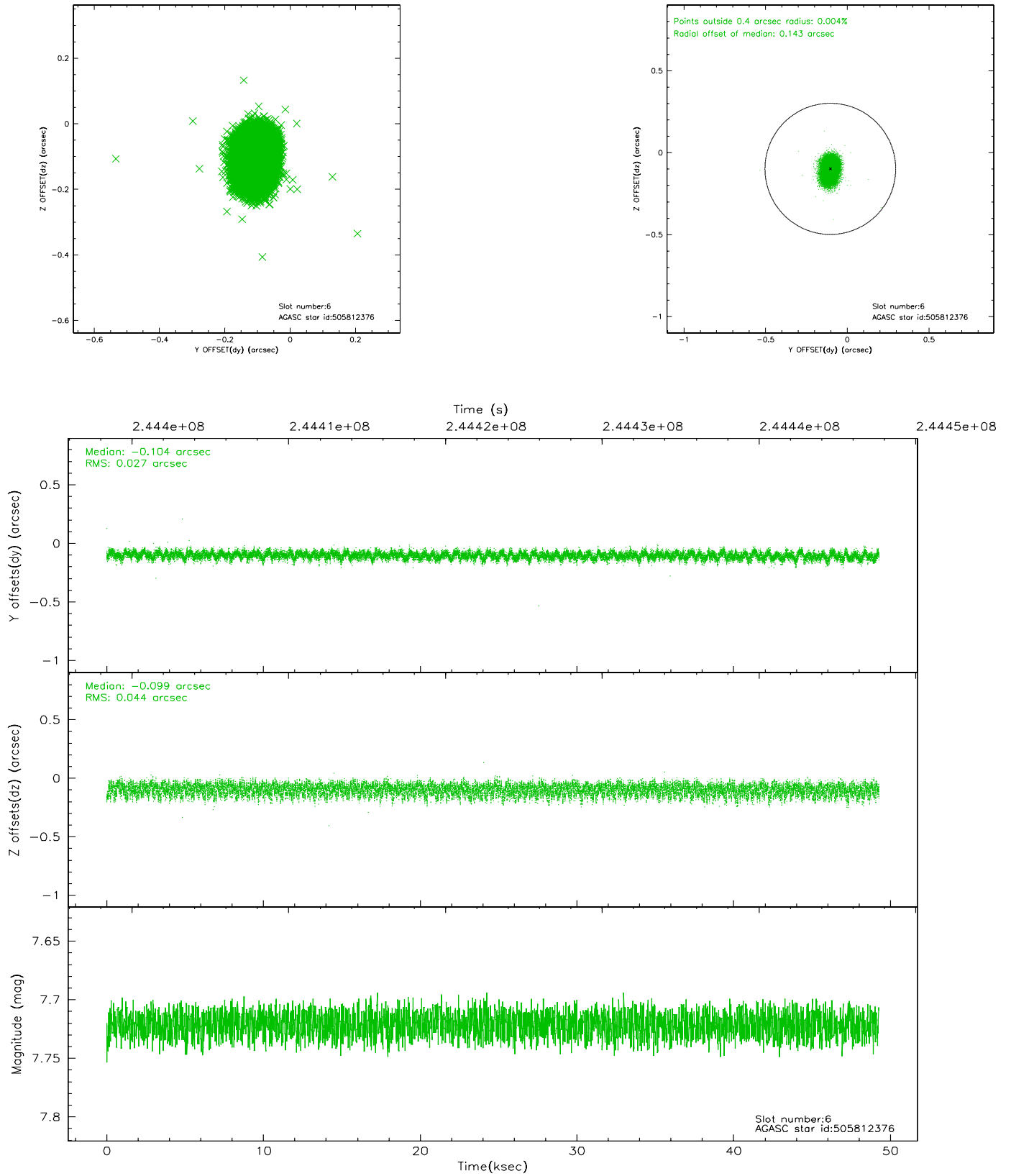
2.4.2 Slot 4



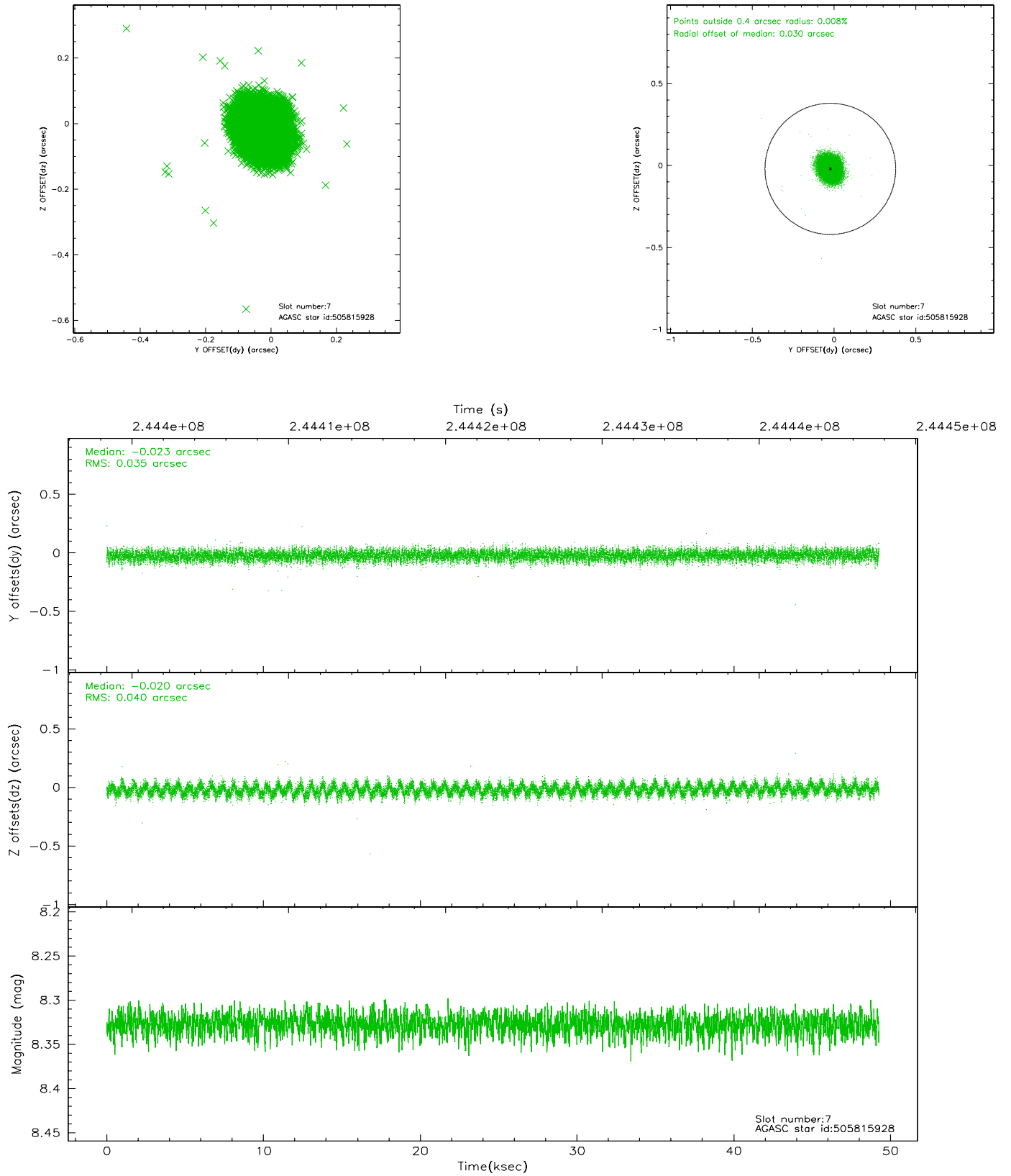
2.4.3 Slot 5



2.4.4 Slot 6

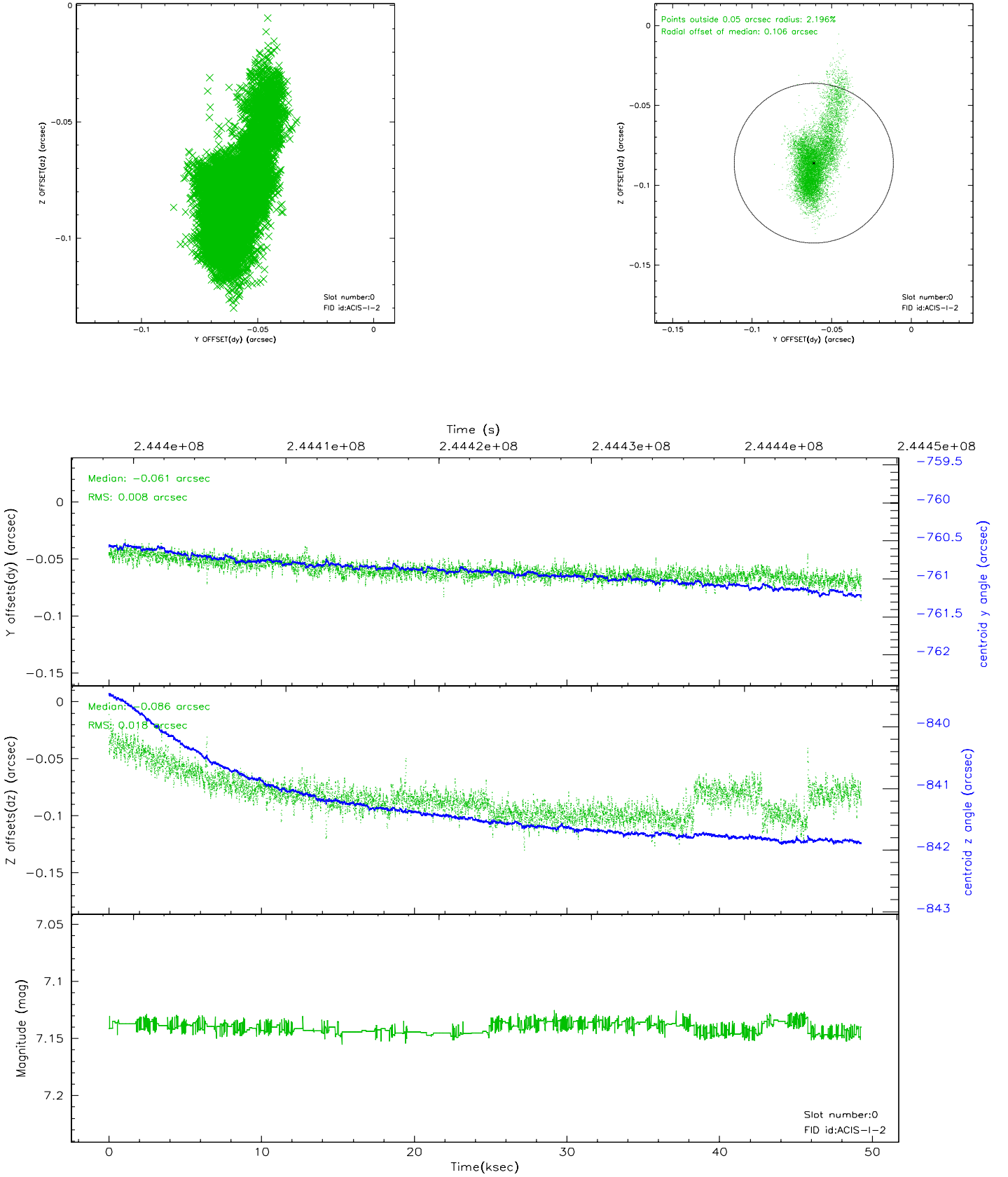


2.4.5 Slot 7

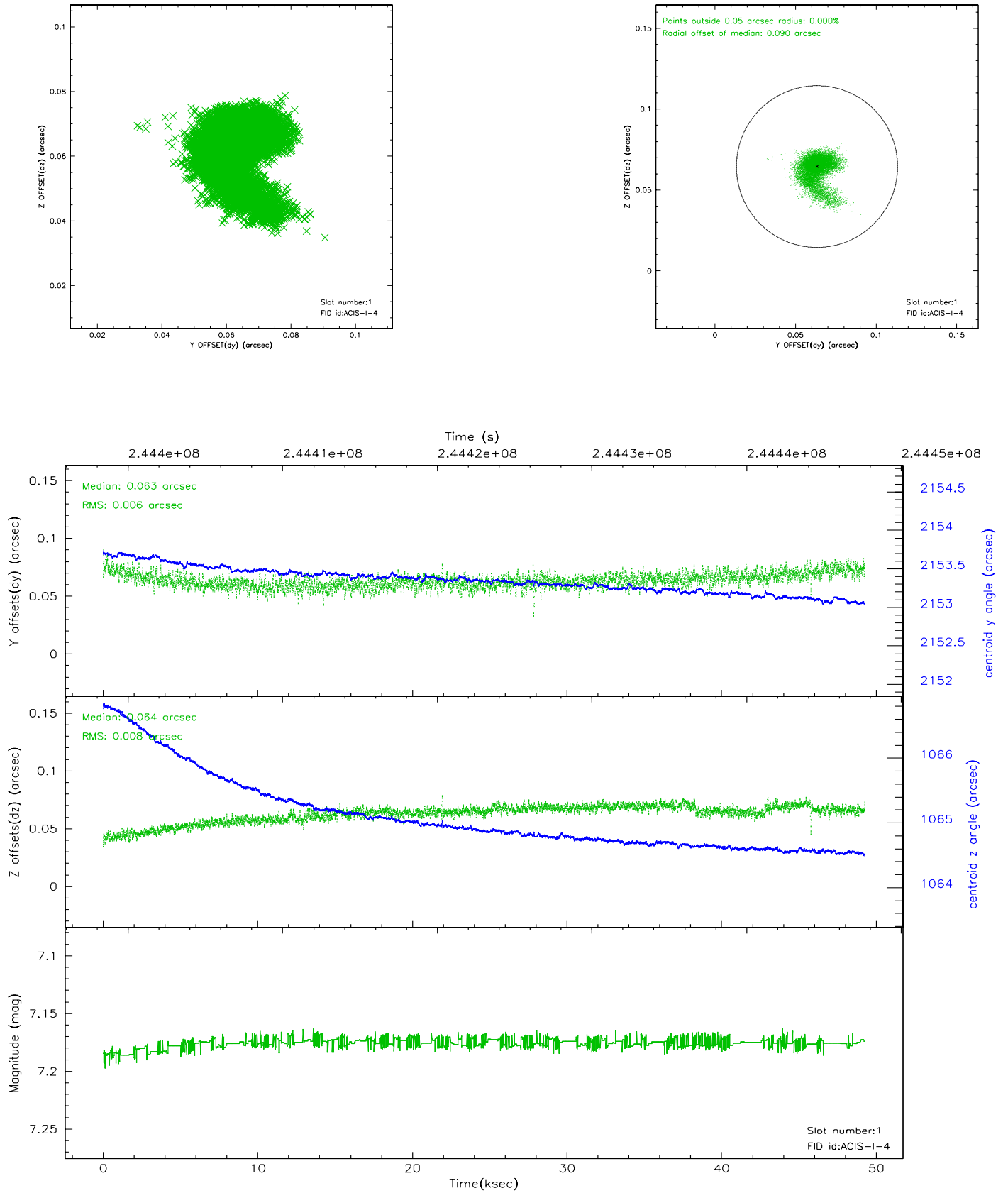


2.5 FID Slots

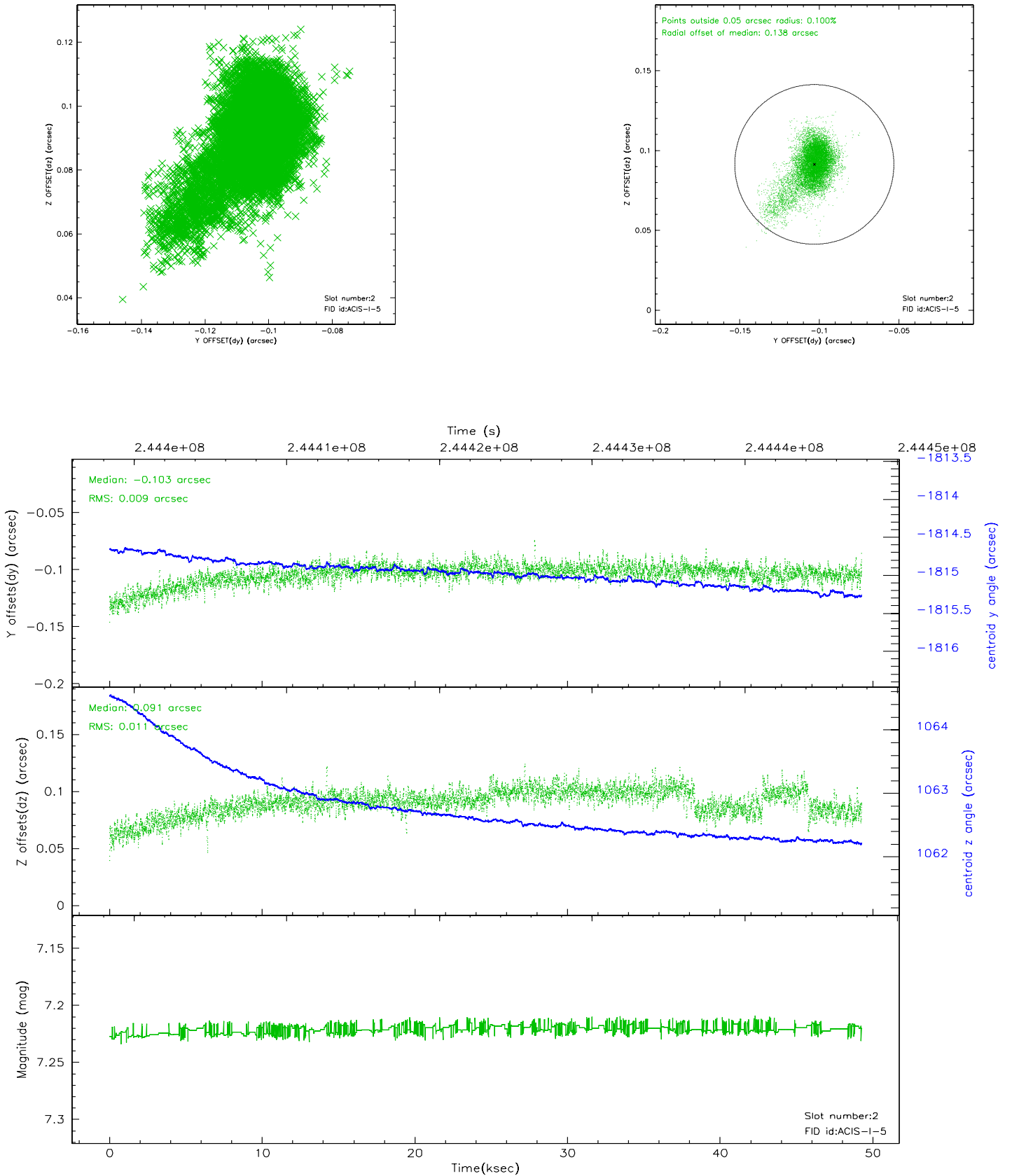
2.5.1 Slot 0



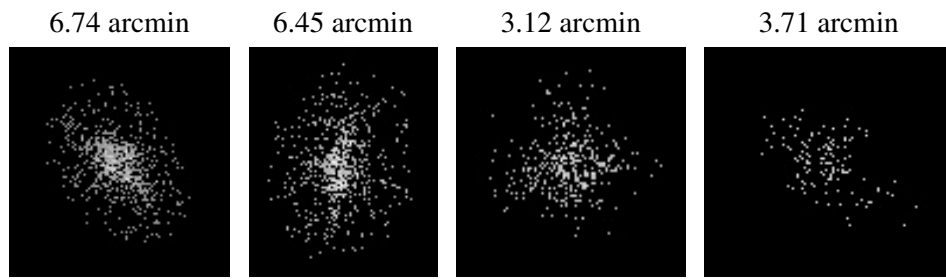
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.27135

A.2 Comments

Focal plane temperature is elevated at beginning of observation.
Roll constraint satisfied.