

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6213 - L2 Version 002
Chandra X-Ray Center

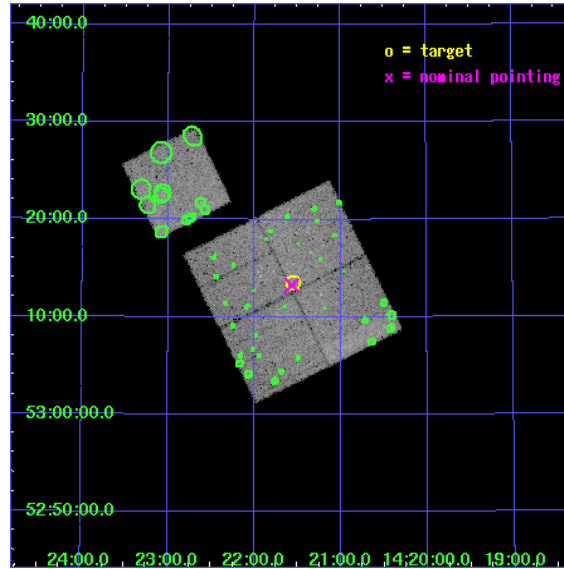
L2 Processing Date : Mar 31 2006

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1 Front

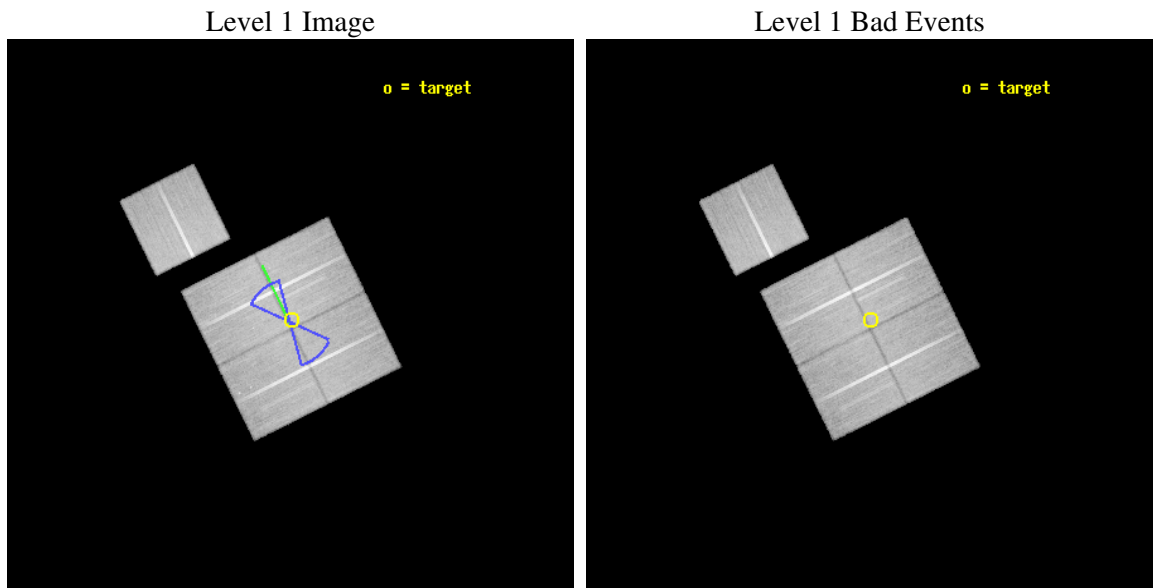
seq_num	900349
obs_id	6213
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Professor Kirpal Nandra
object	EGS-2
dtcycle	0
cycle	P
ra_targ	215.386246
dec_targ	53.224361
ra_nom	215.39126109768
dec_nom	53.220840611505
roll_nom	333.52975412489
revision	2
ontime	48136.677006572
livetime	47507.735883776
ontime0	48130.395006388
ontime1	48136.676986754
ontime2	48142.958937138
ontime3	48136.677006572
ontime6	48142.958947182
l2events	127411



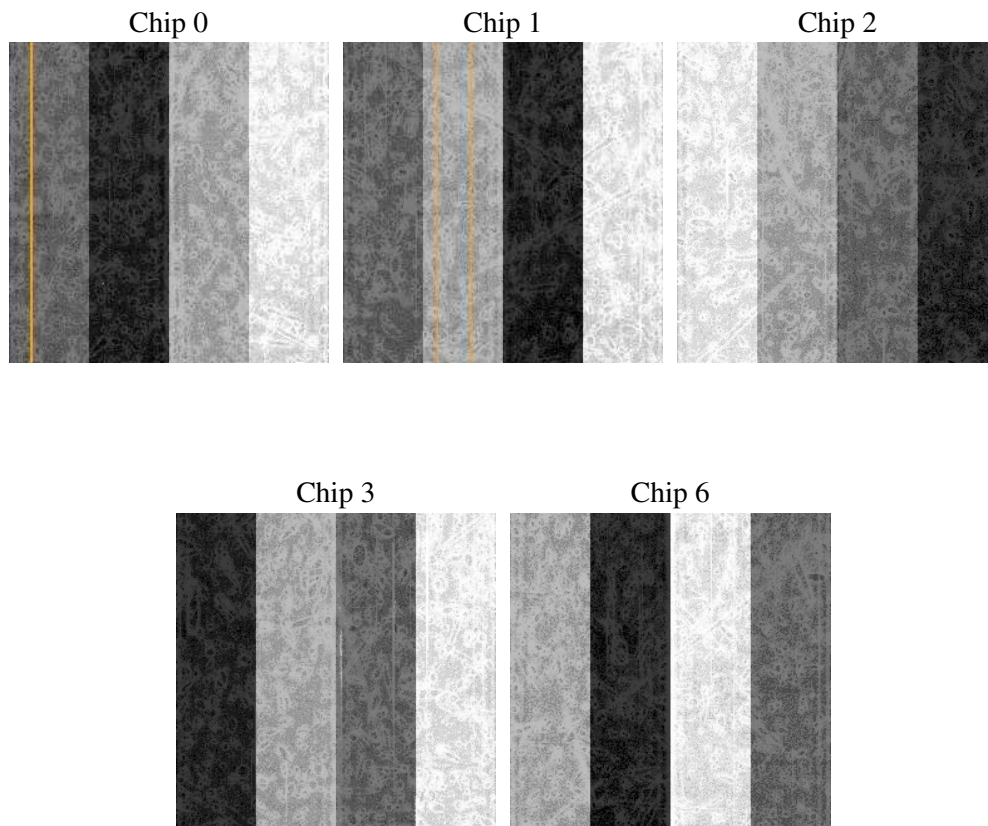
2 OBI

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	2006-03-31T18:10:38
revision	2

sched_exp_time	48000.000000
ontime	48559.907694906
ontime0	48553.625694722
ontime1	48559.907675087
ontime2	48566.189625472
ontime3	48559.907694906
ontime6	48566.189635515
l1events	1511381

2.1.4 Events

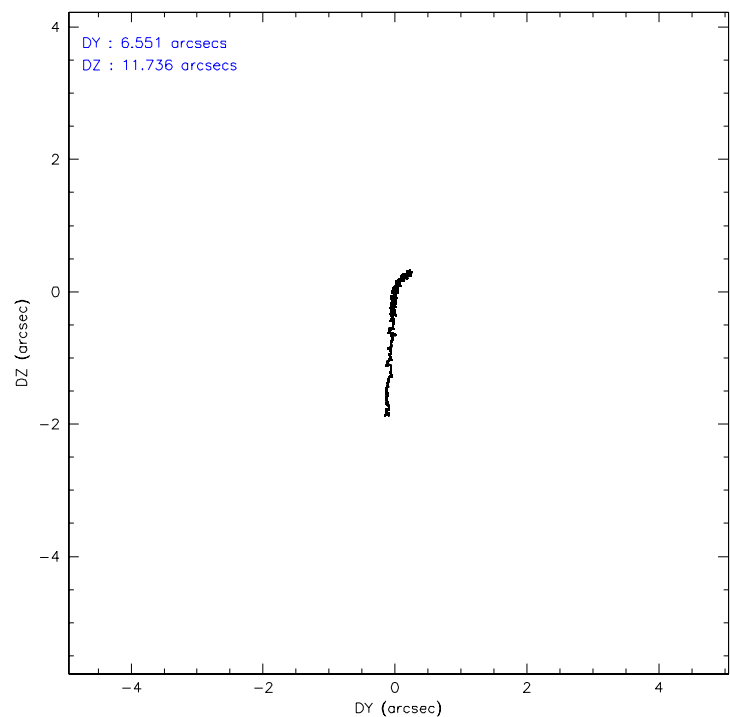
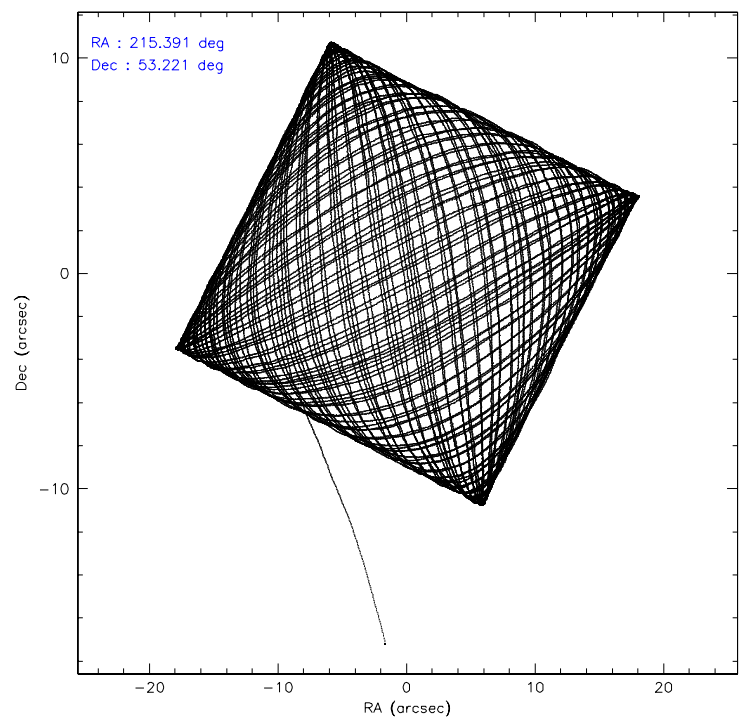
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	293506	283045	319865	310775	304190
rejected events	262864	249352	290175	282128	273614
rejected %	89%	88%	90%	90%	89%

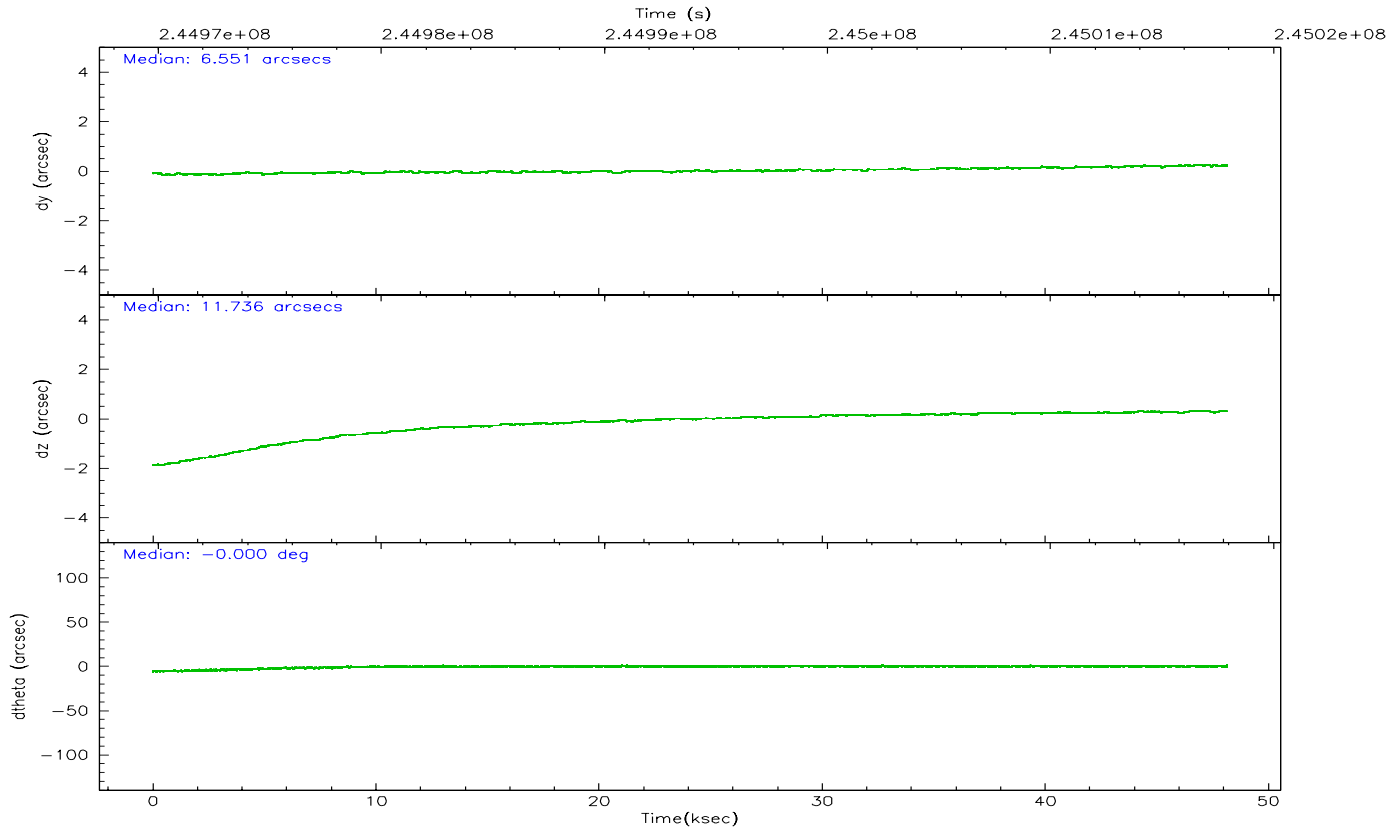
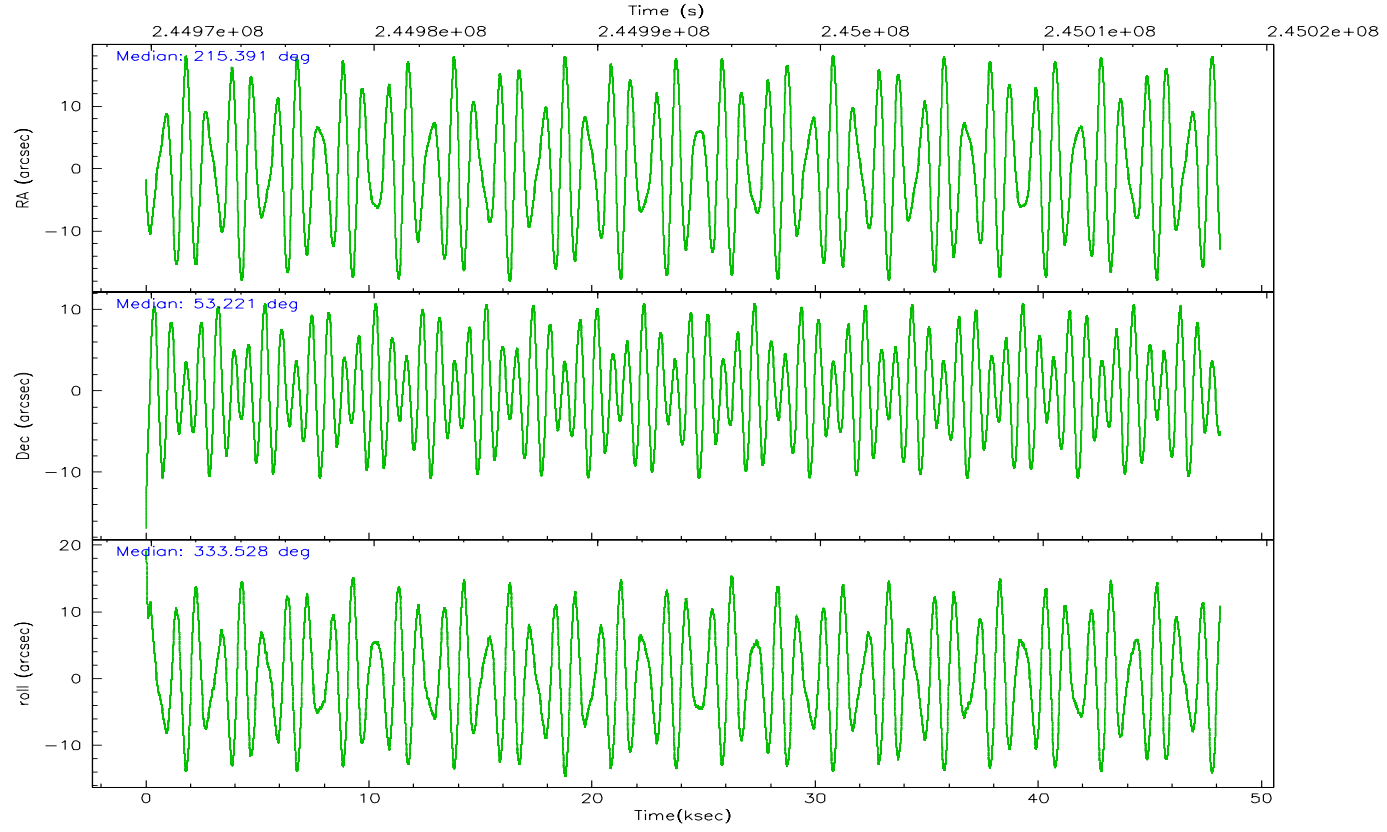
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10781	12085	10681	10119	10400
	3%	4%	3%	3%	3%
grade 1 events	166	160	177	168	142
	0%	0%	0%	0%	0%
grade 2 events	7451	7369	7170	6336	6851
	2%	2%	2%	2%	2%
grade 3 events	3541	3854	3234	3321	3542
	1%	1%	1%	1%	1%
grade 4 events	3276	3811	3336	3269	3385
	1%	1%	1%	1%	1%
grade 5 events	10491	11852	10196	12447	12434
	3%	4%	3%	4%	4%
grade 6 events	5924	6901	5603	5892	6697
	2%	2%	1%	1%	2%
grade 7 events	251876	237013	279468	269223	260739
	85%	83%	87%	86%	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	215.345649	215.3912610976821	Alternating exposures requested	N	N
Pointing Dec	53.219043	53.22084061150462	Primary exposure time	0.000000	3.1
Pointing Roll	333.357598	333.5297541248891			
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	244969919.184000	244968733.57001			
Observation start date	2005-10-06T07:10:55	2005-10-06T06:52:13			
Observation end time	245017919.184000	245018774.07231			
Observation end date	2005-10-06T20:30:55	2005-10-06T20:46:14			
Read mode	TIMED	TIMED			

2.3 Aspect



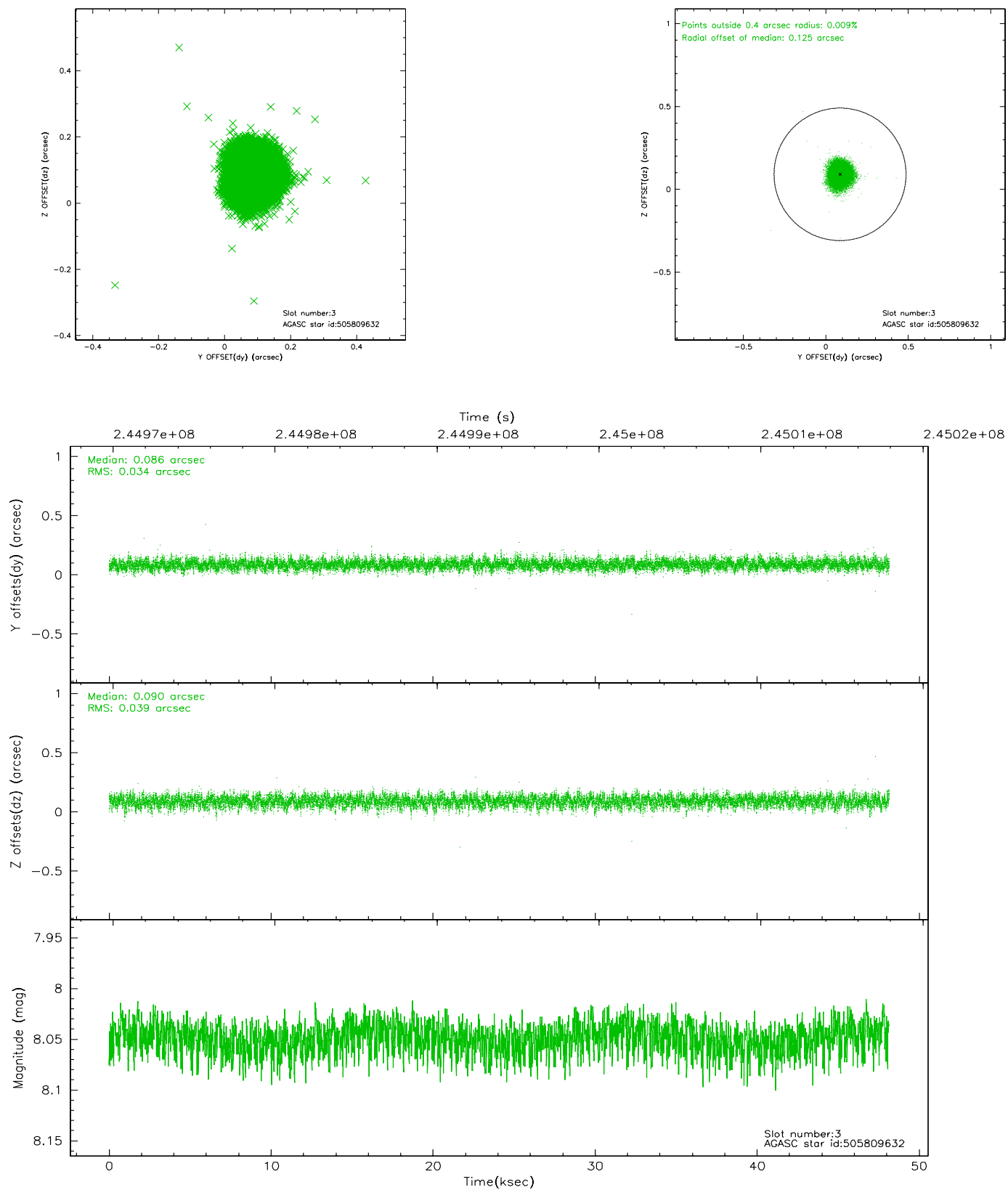


Slot Statistics

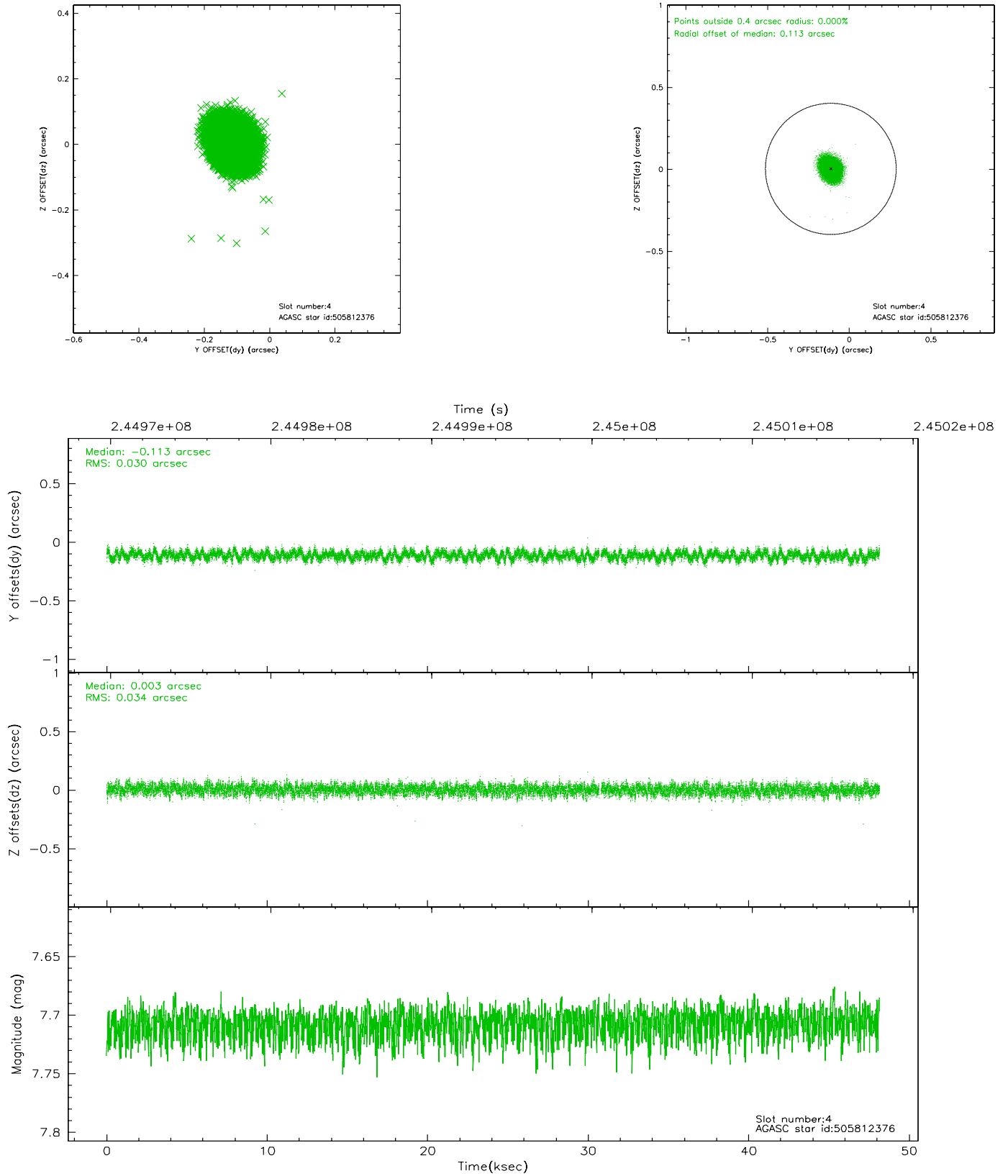
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11745	0.027	0.005	0.010	0.039	0.000000	0.000000	933.12	-835.05
1	FID	ACIS-I-5	7.23	11743	-0.130	0.057	0.009	0.033	0.000000	0.000000	-1815.11	1062.56
2	FID	ACIS-I-6	7.25	11745	0.012	0.010	0.014	0.034	0.000000	0.000000	398.73	1706.96
3	GUIDE	505809632	8.05	23489	0.086	0.090	0.055	0.088	215.499426	53.521185	-193.58	1120.36
4	GUIDE	505812376	7.71	23423	-0.113	0.003	0.049	0.078	214.039537	52.937930	-2090.57	-2152.06
5	GUIDE	505815088	7.28	23489	-0.062	-0.075	0.047	0.076	216.315963	53.584954	1256.95	2119.74
6	GUIDE	505815928	8.33	23486	-0.008	0.046	0.059	0.093	216.234742	53.074559	1946.74	408.38
7	GUIDE	505812088	8.14	23485	0.096	-0.061	0.069	0.108	214.186617	53.263562	-2311.27	-957.78

2.4 Star Slots

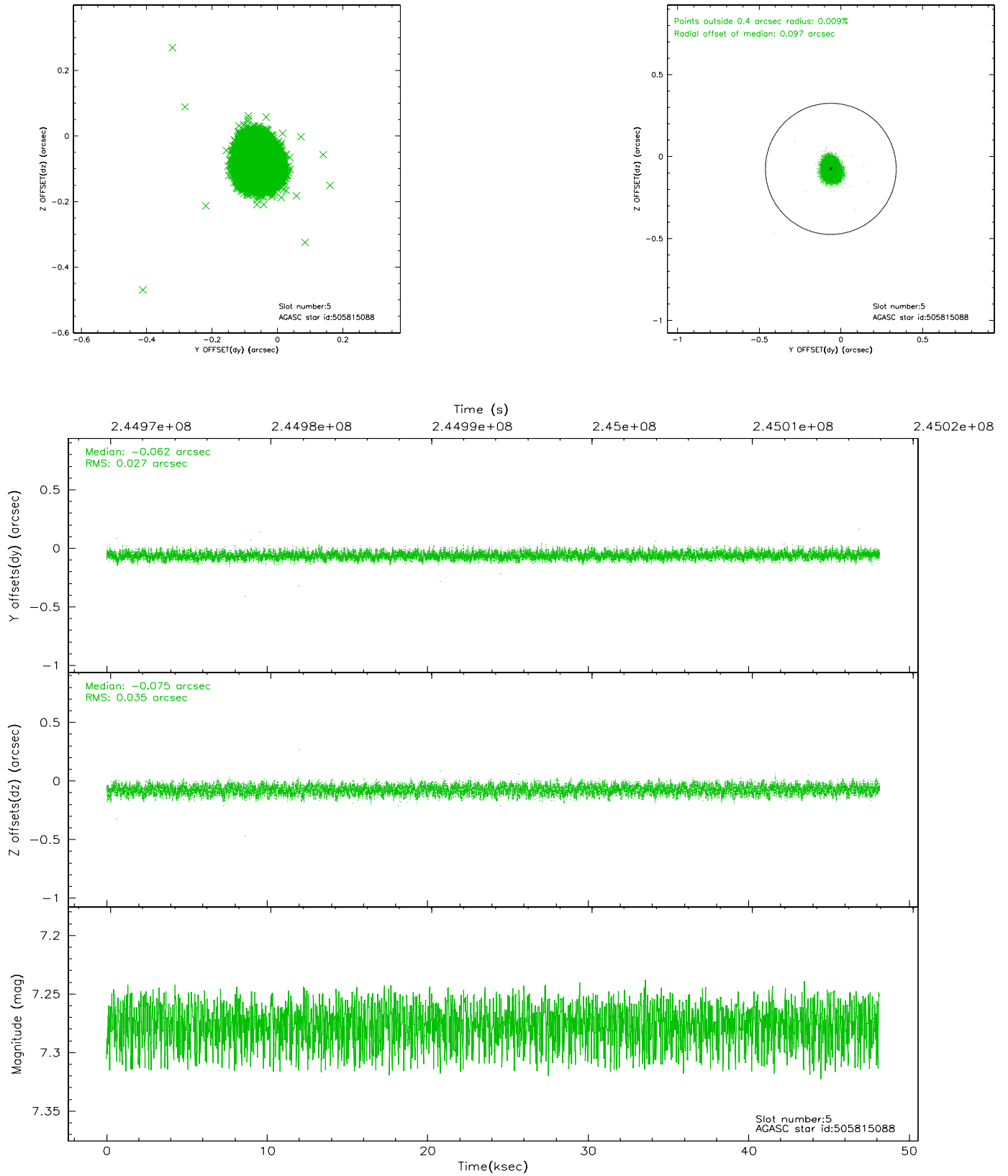
2.4.1 Slot 3



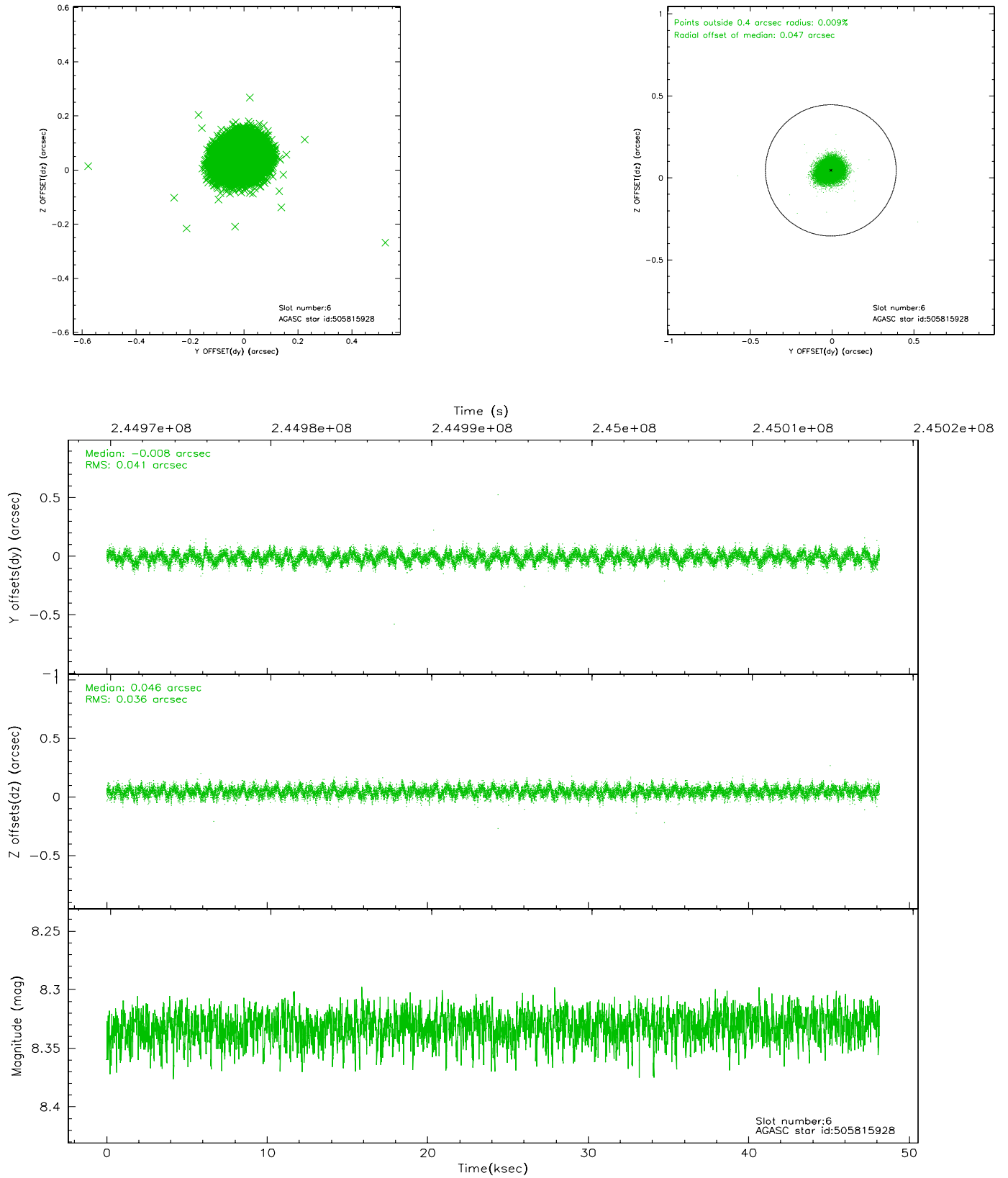
2.4.2 Slot 4



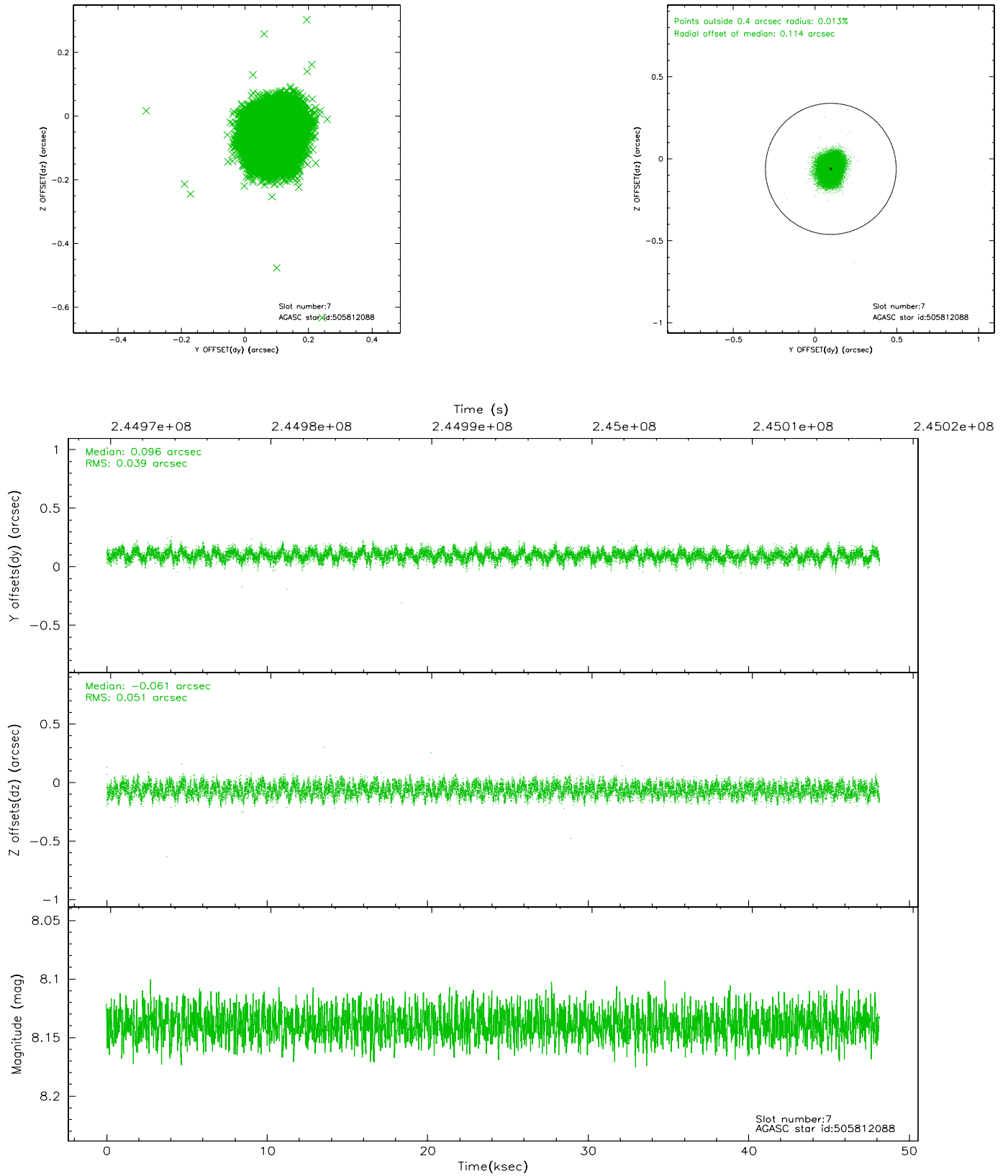
2.4.3 Slot 5



2.4.4 Slot 6

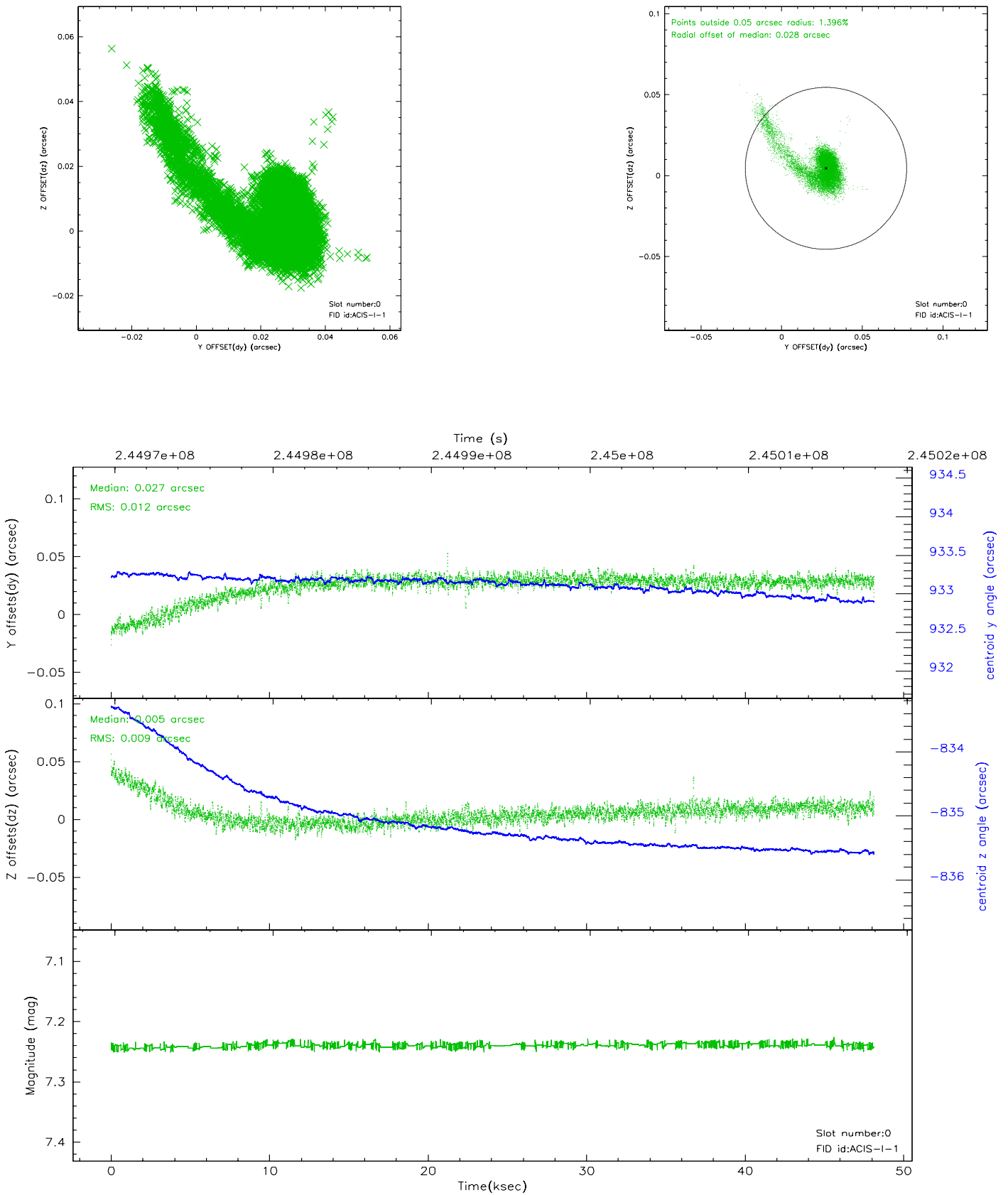


2.4.5 Slot 7

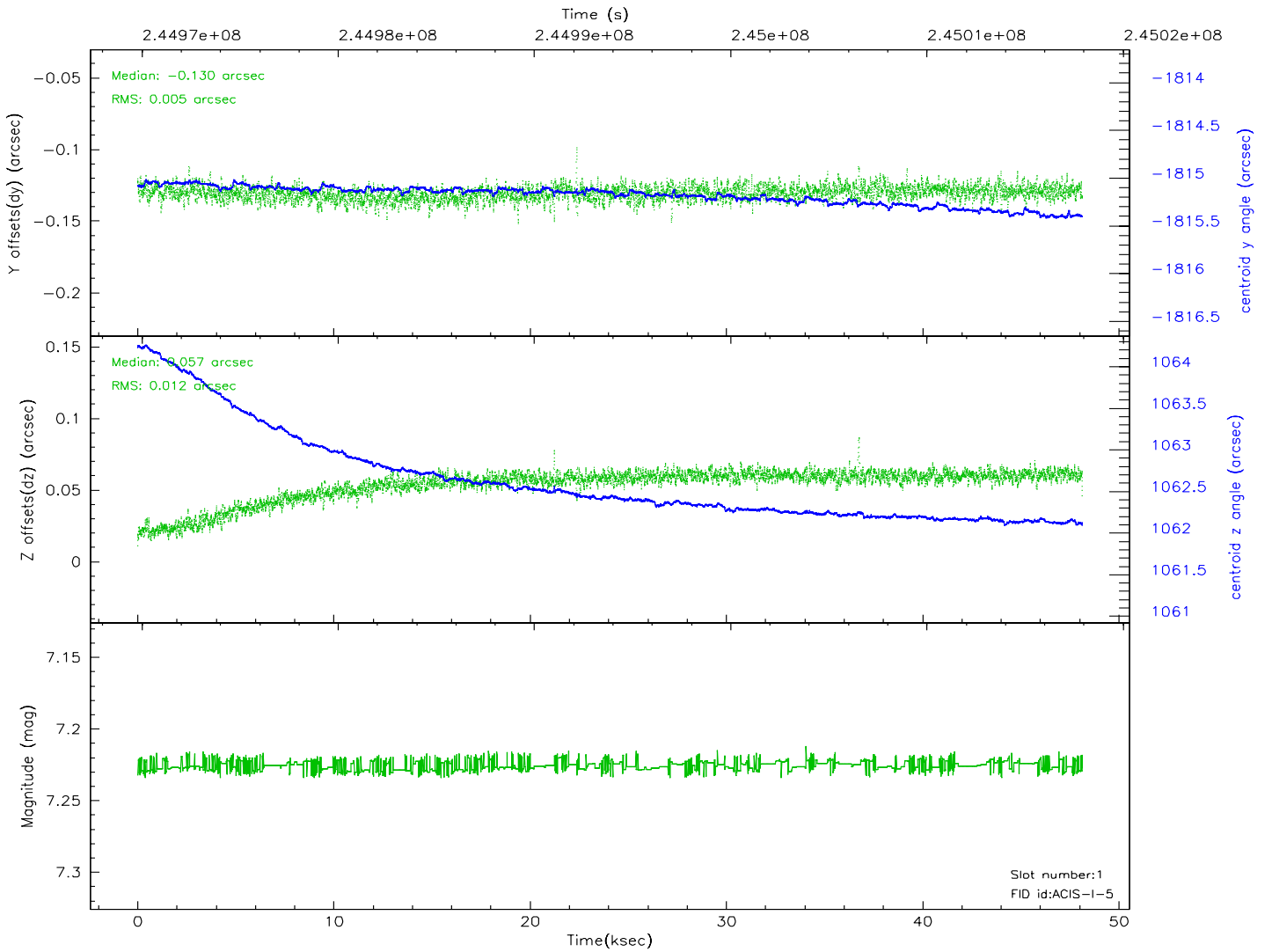
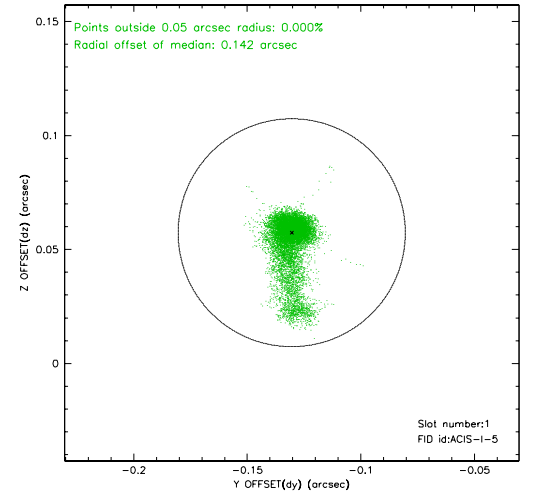
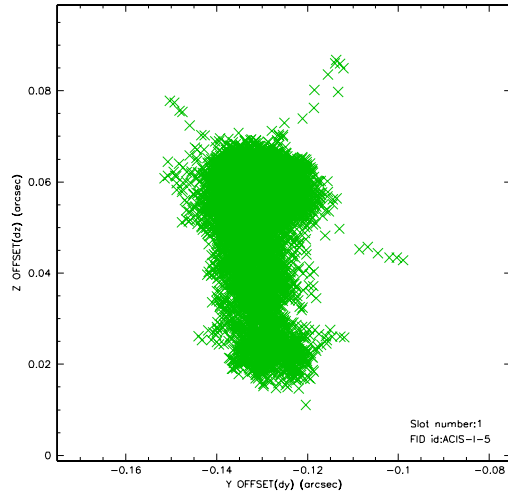


2.5 FID Slots

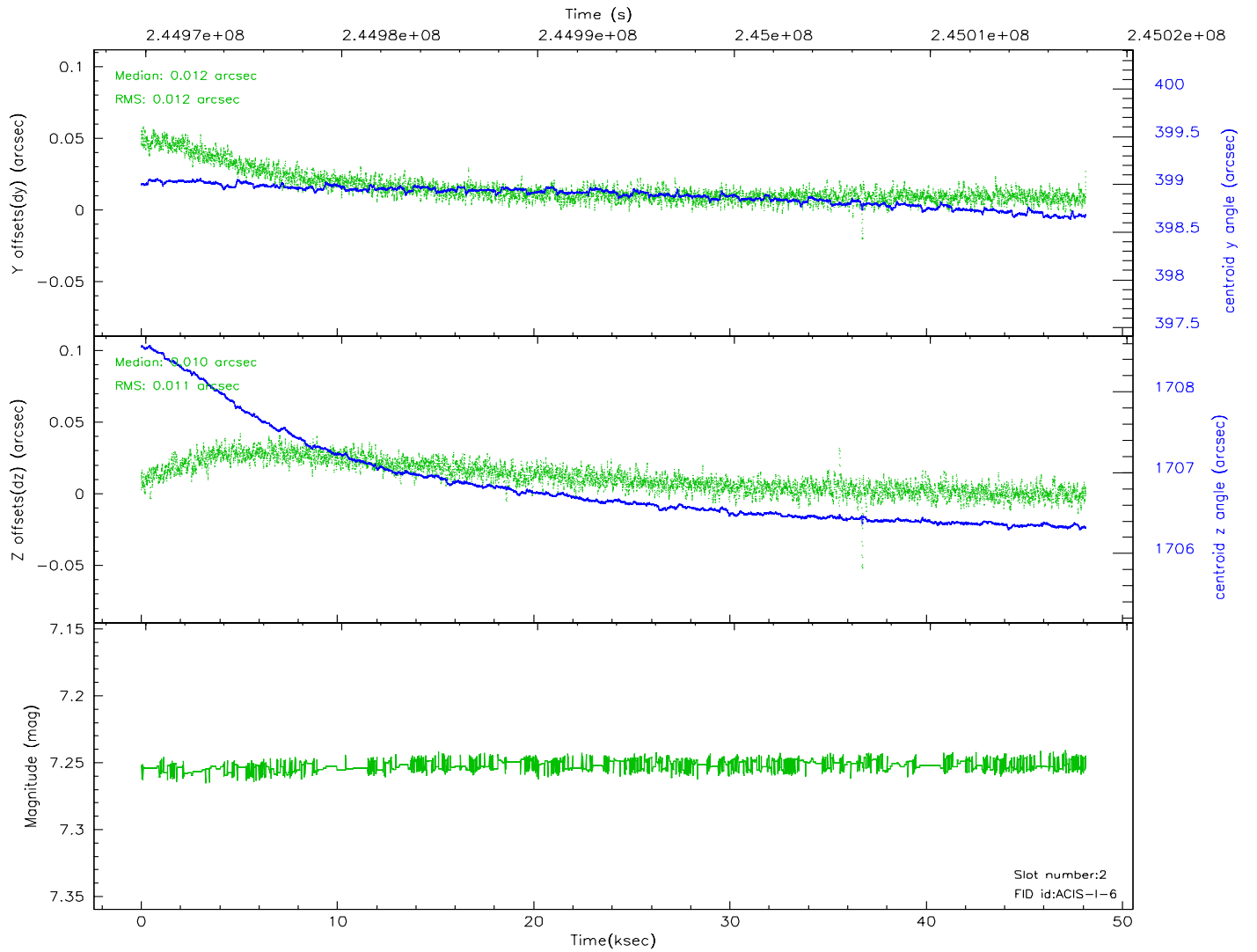
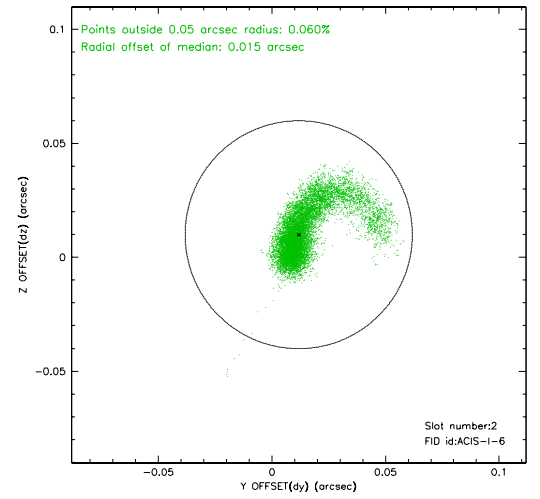
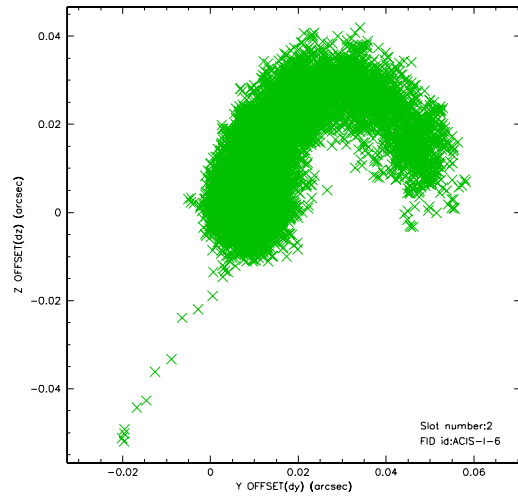
2.5.1 Slot 0



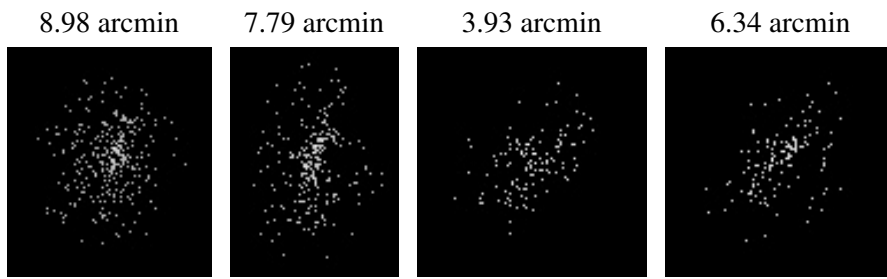
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.13667

A.2 Comments

Roll constraint satisfied.