

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6220 - L2 Version 002
Chandra X-Ray Center

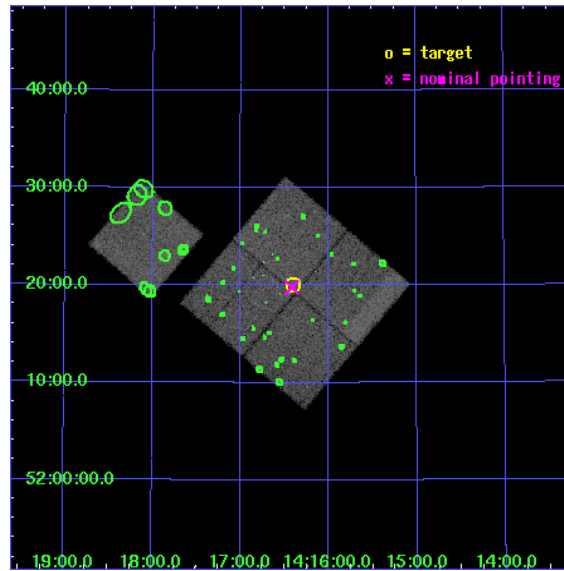
L2 Processing Date : Mar 23 2006

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1 Front

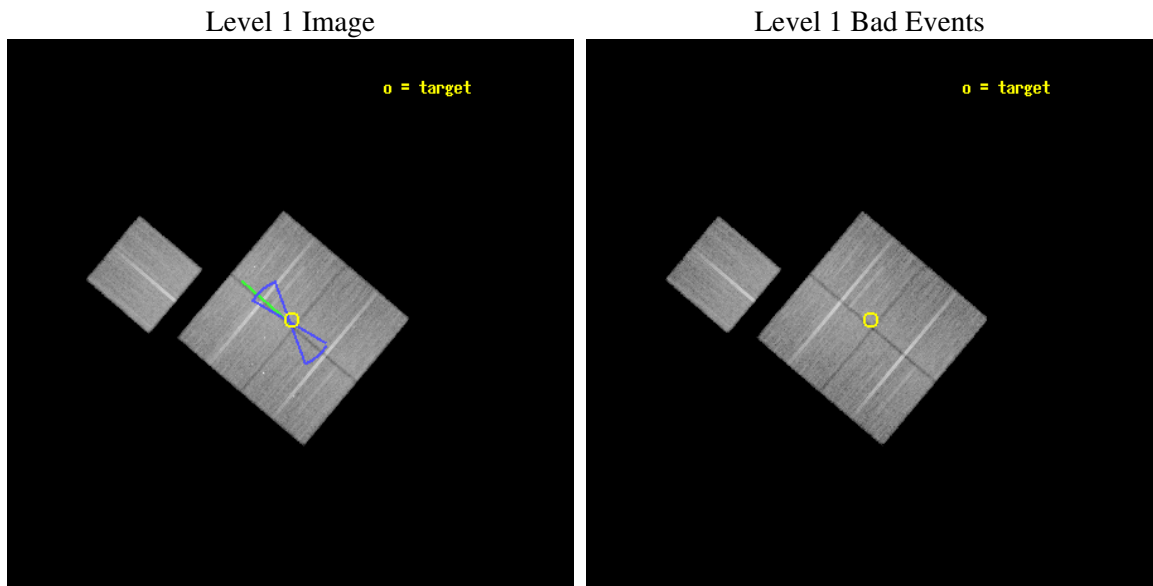
seq_num	900353
obs_id	6220
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Professor Kirpal Nandra
object	EGS-6
dtcycle	0
cycle	P
ra_targ	214.102081
dec_targ	52.334053
ra_nom	214.10430676032
dec_nom	52.329633518291
roll_nom	310.20691573905
revision	2
ontime	38123.799926698
livetime	37625.684414323
ontime0	38123.799926698
ontime1	38123.799926698
ontime2	38123.799926698
ontime3	38123.799926698
ontime6	38123.799926698
l2events	131279



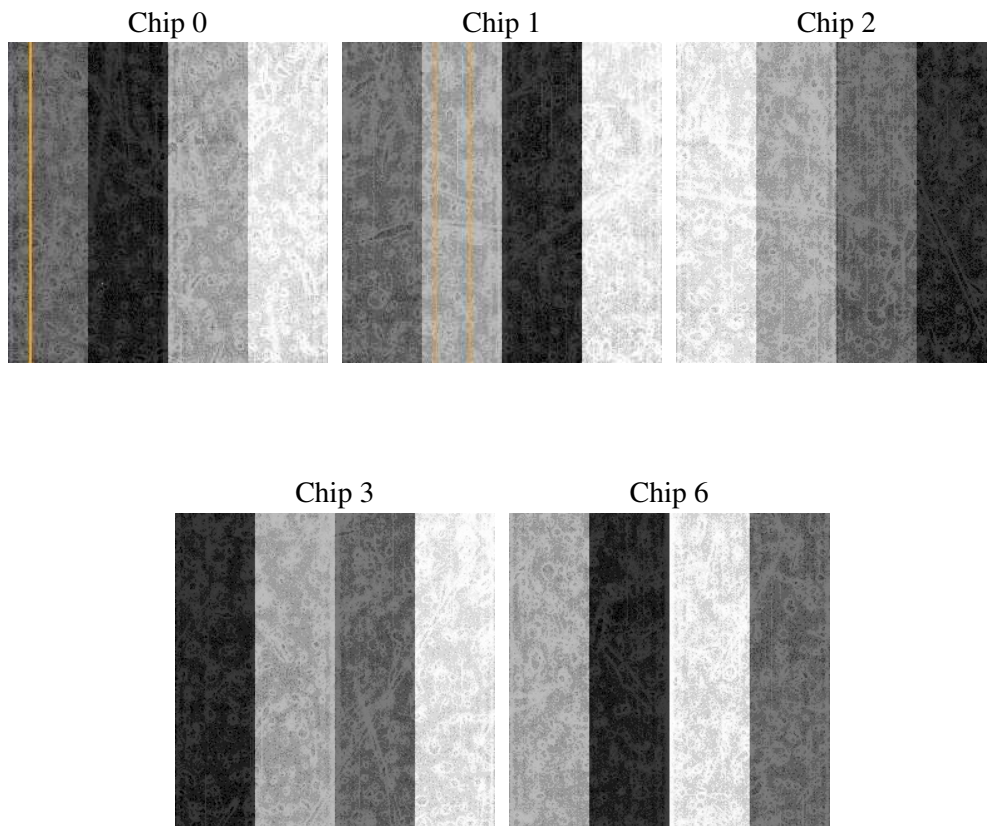
2 OBI

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	2006-03-24T00:22:04
revision	2

sched_exp_time	38000.000000
ontime	38401.898114443
ontime0	38401.898114443
ontime1	38401.898114443
ontime2	38401.898114443
ontime3	38401.898114443
ontime6	38401.898114443
l1events	1046978

2.1.4 Events

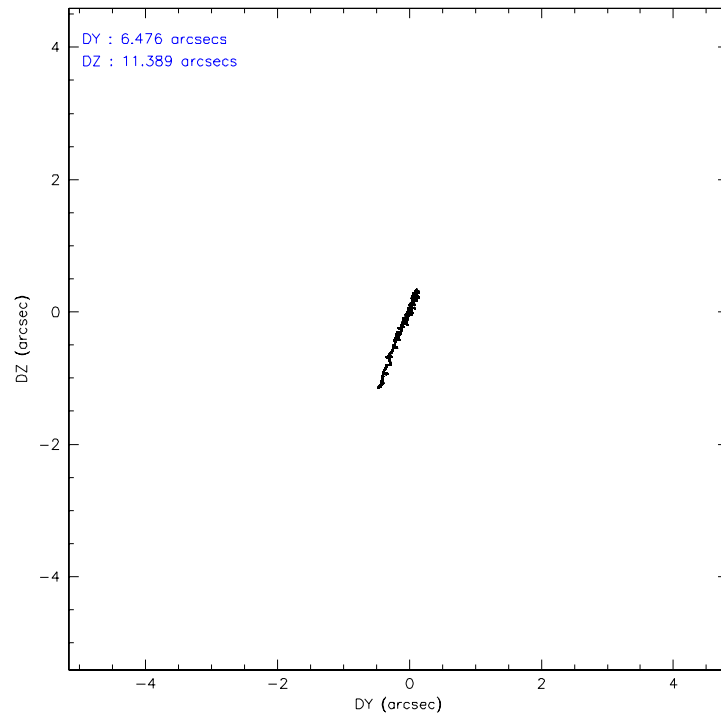
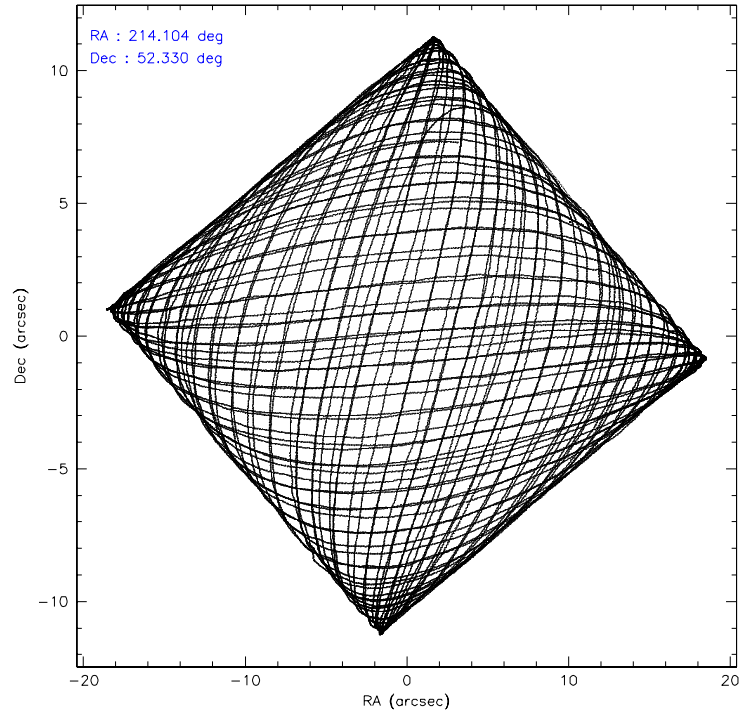
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	195492	194832	225629	212566	218459
rejected events	165583	162654	193398	183472	185903
rejected %	84%	83%	85%	86%	85%

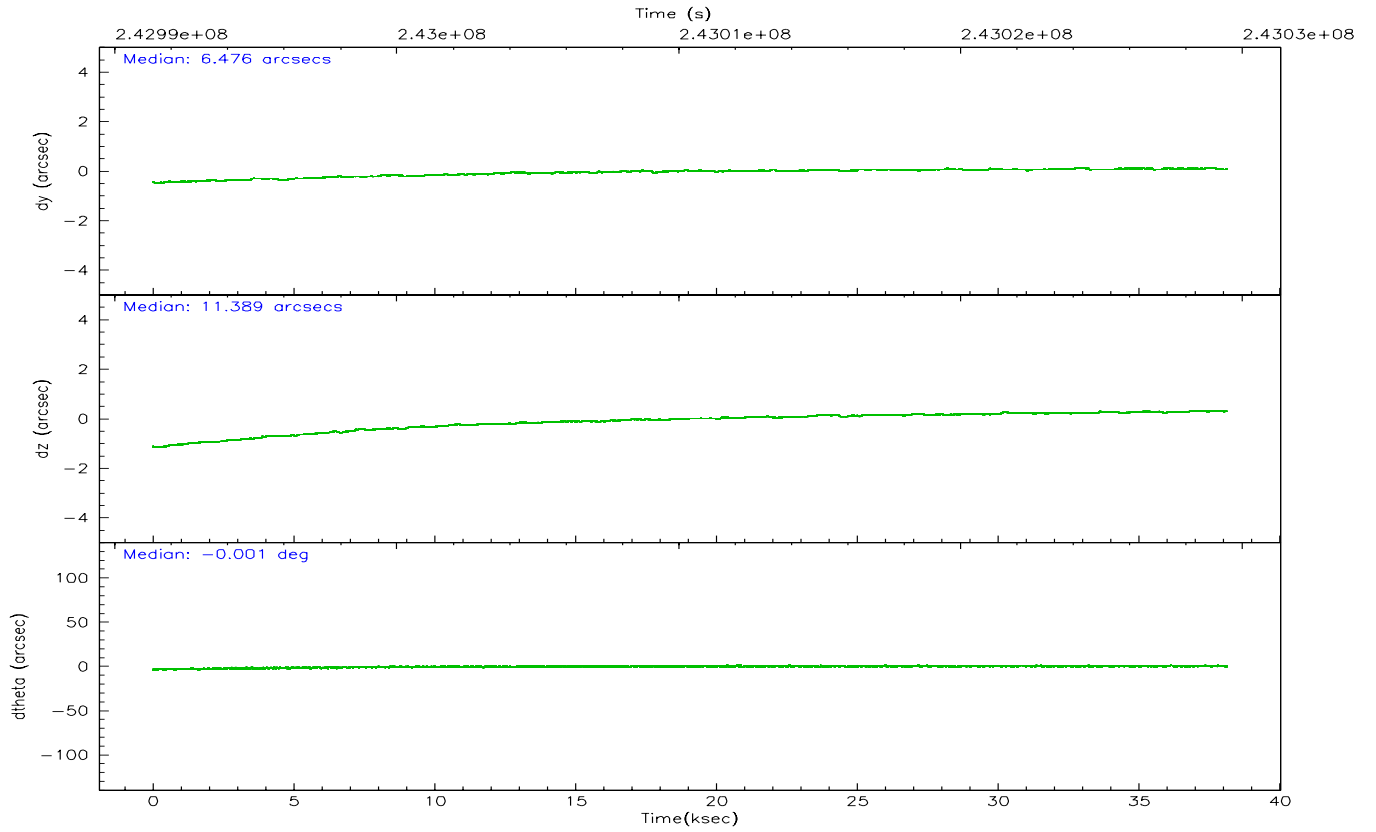
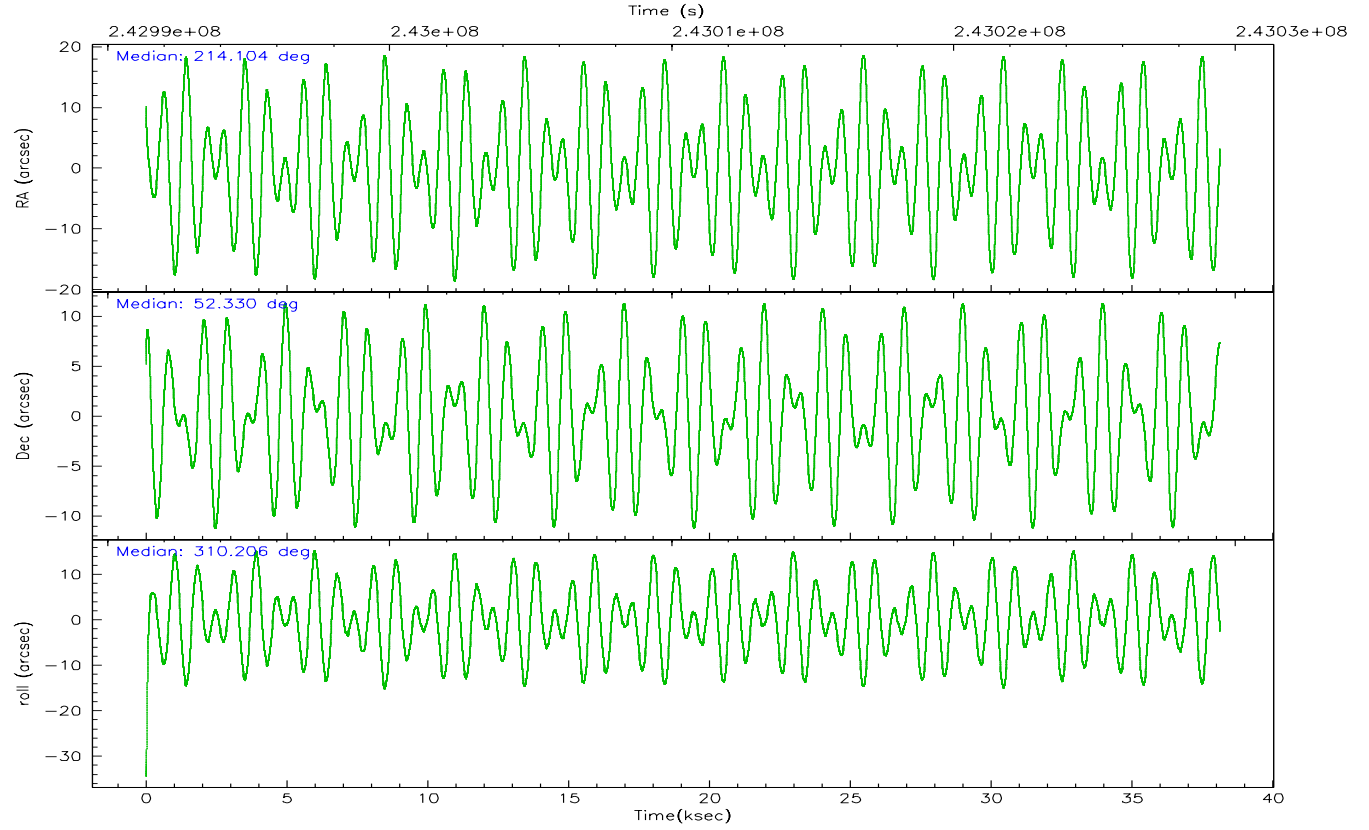
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	12428	13333	13620	11852	12905
	6%	6%	6%	5%	5%
grade 1 events	108	134	143	129	118
	0%	0%	0%	0%	0%
grade 2 events	6707	6856	7253	5898	6694
	3%	3%	3%	2%	3%
grade 3 events	2715	2933	2630	2768	2882
	1%	1%	1%	1%	1%
grade 4 events	2607	2888	3048	2701	2860
	1%	1%	1%	1%	1%
grade 5 events	6551	7229	6213	7620	7514
	3%	3%	2%	3%	3%
grade 6 events	5669	6440	5914	6081	7452
	2%	3%	2%	2%	3%
grade 7 events	158707	155019	186808	175517	178034
	81%	79%	82%	82%	81%

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	214.062099	214.1043067603174	Alternating exposures requested	N	N
Pointing Dec	52.338792	52.32963351829129	Primary exposure time	0.000000	3.1
Pointing Roll	310.031650	310.2069157390548			
Roll angle	50.756000	50.756000			
Roll tolerance	20.000000	20.000000			
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	242991467.184000	242990221.59151			
Observation start date	2005-09-13T09:36:43	2005-09-13T09:17:01			
Observation end time	243029467.184000	243029836.30583			
Observation end date	2005-09-13T20:10:03	2005-09-13T20:17:16			
Read mode	TIMED	TIMED			

2.3 Aspect



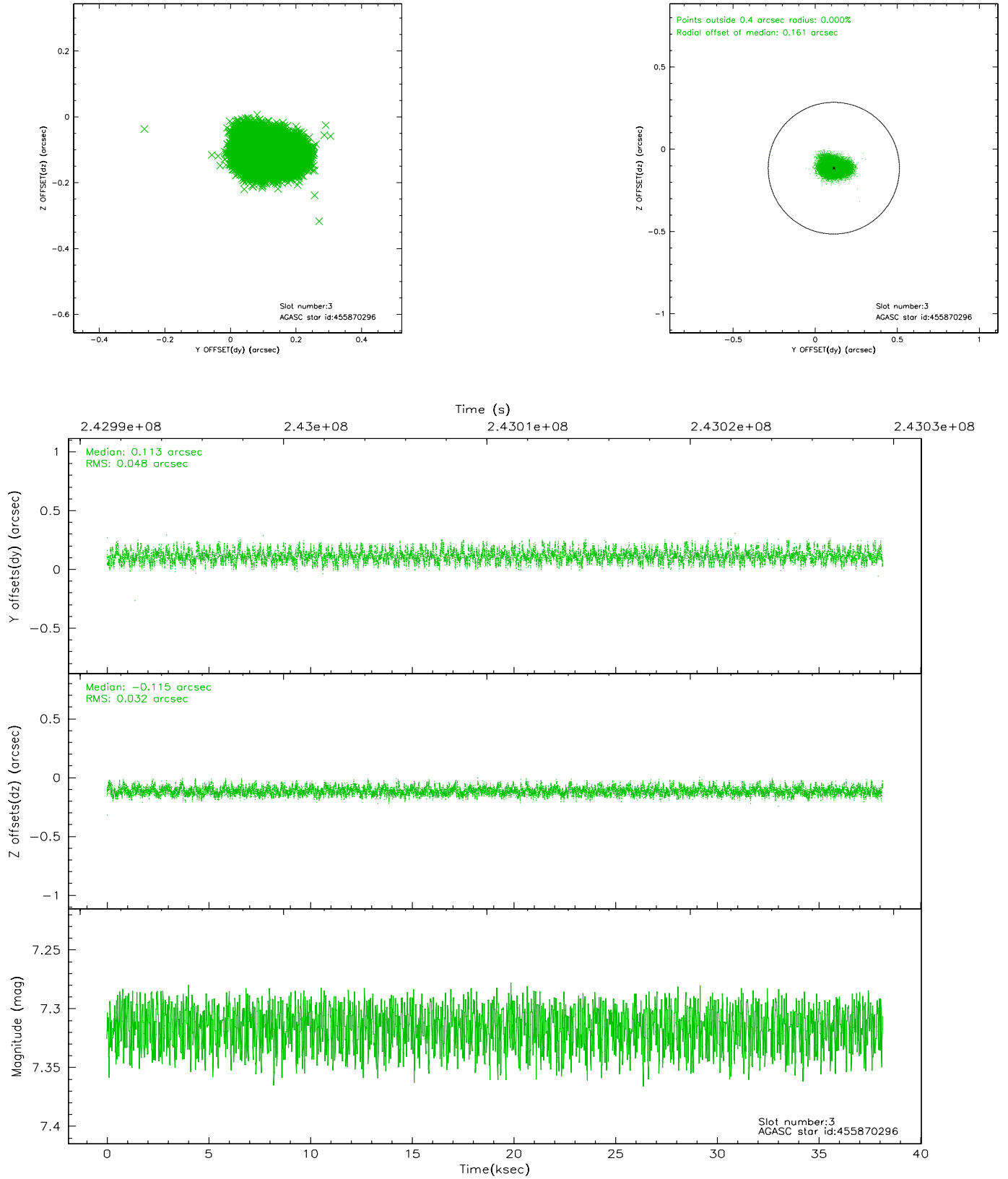


Slot Statistics

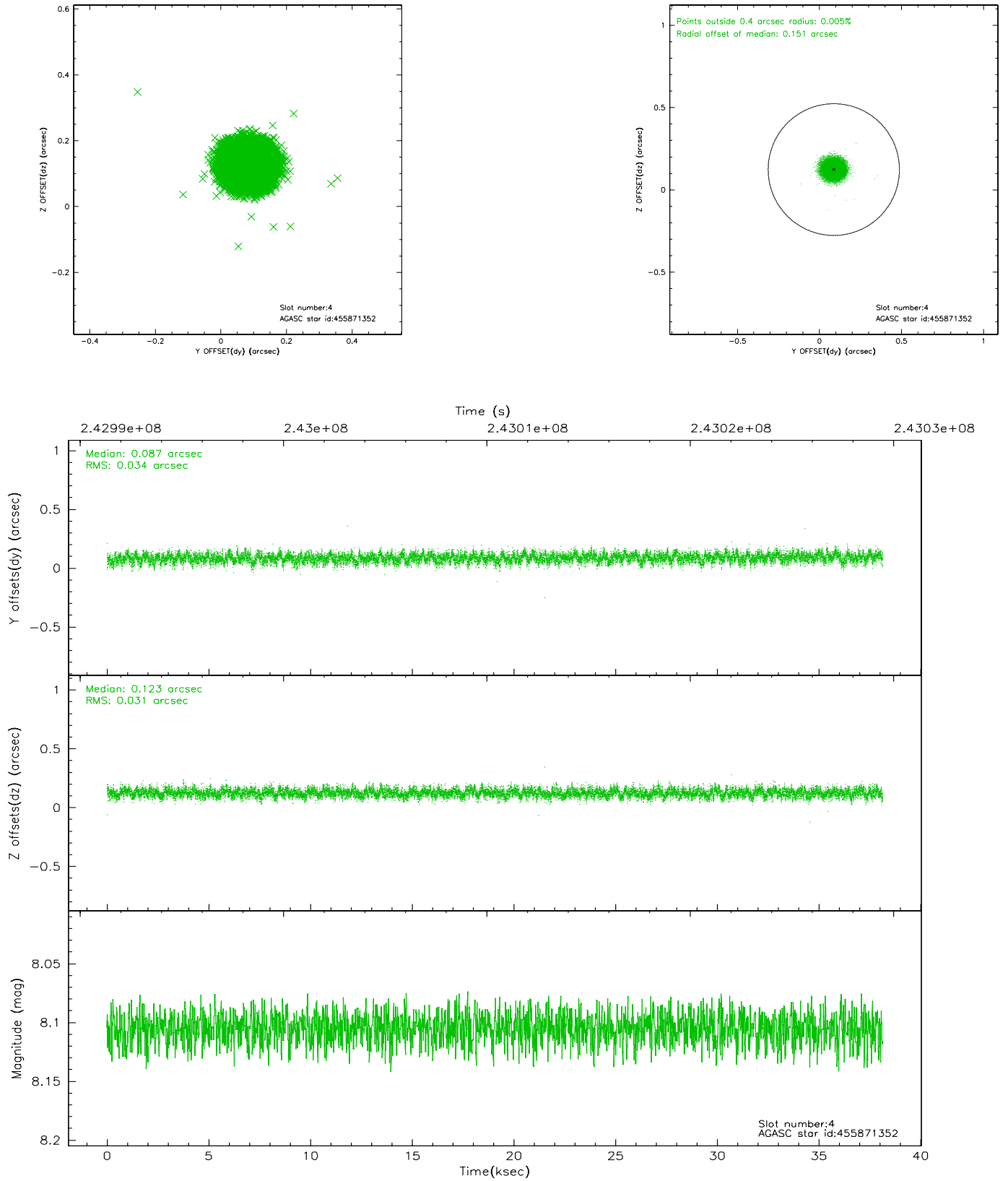
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	9301	0.022	0.005	0.009	0.028	0.000000	0.000000	933.28	-834.79
1	FID	ACIS-I-5	7.23	9301	-0.134	0.050	0.009	0.022	0.000000	0.000000	-1814.93	1062.78
2	FID	ACIS-I-6	7.25	9301	0.022	0.017	0.010	0.020	0.000000	0.000000	398.86	1707.24
3	GUIDE	455870296	7.31	18602	0.113	-0.115	0.062	0.100	214.629779	52.033323	1646.98	258.62
4	GUIDE	455871352	8.10	18601	0.087	0.123	0.049	0.078	215.099961	52.172669	1919.29	1380.76
5	GUIDE	505806936	7.02	18602	-0.030	-0.135	0.071	0.116	213.820815	52.535927	-883.90	52.63
6	GUIDE	505812376	7.60	18600	-0.109	-0.056	0.058	0.091	214.039537	52.937930	-1683.26	1350.02
7	GUIDE	505812088	8.17	18542	-0.073	0.177	0.086	0.141	214.186617	53.263562	-2377.17	2347.34

2.4 Star Slots

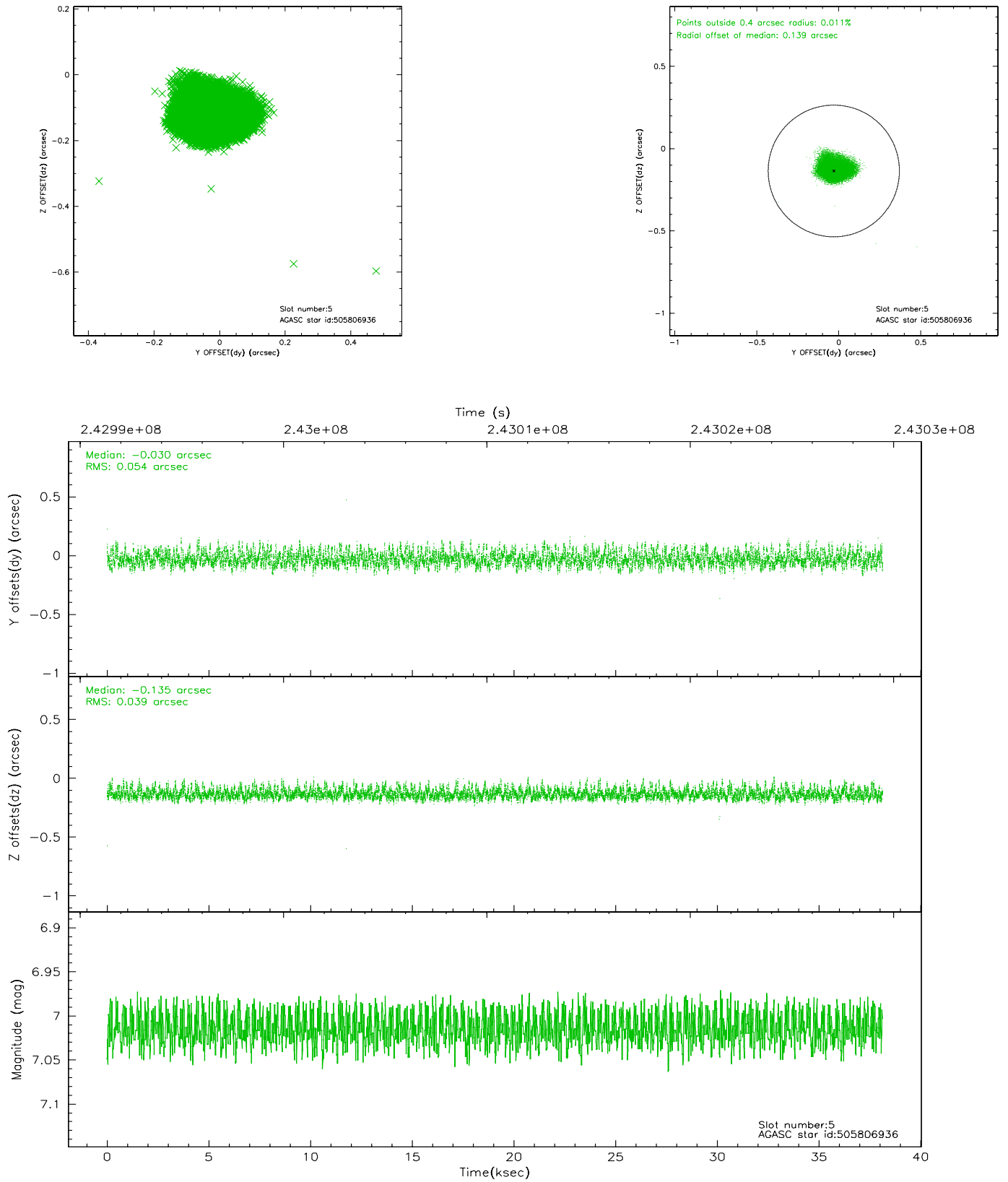
2.4.1 Slot 3



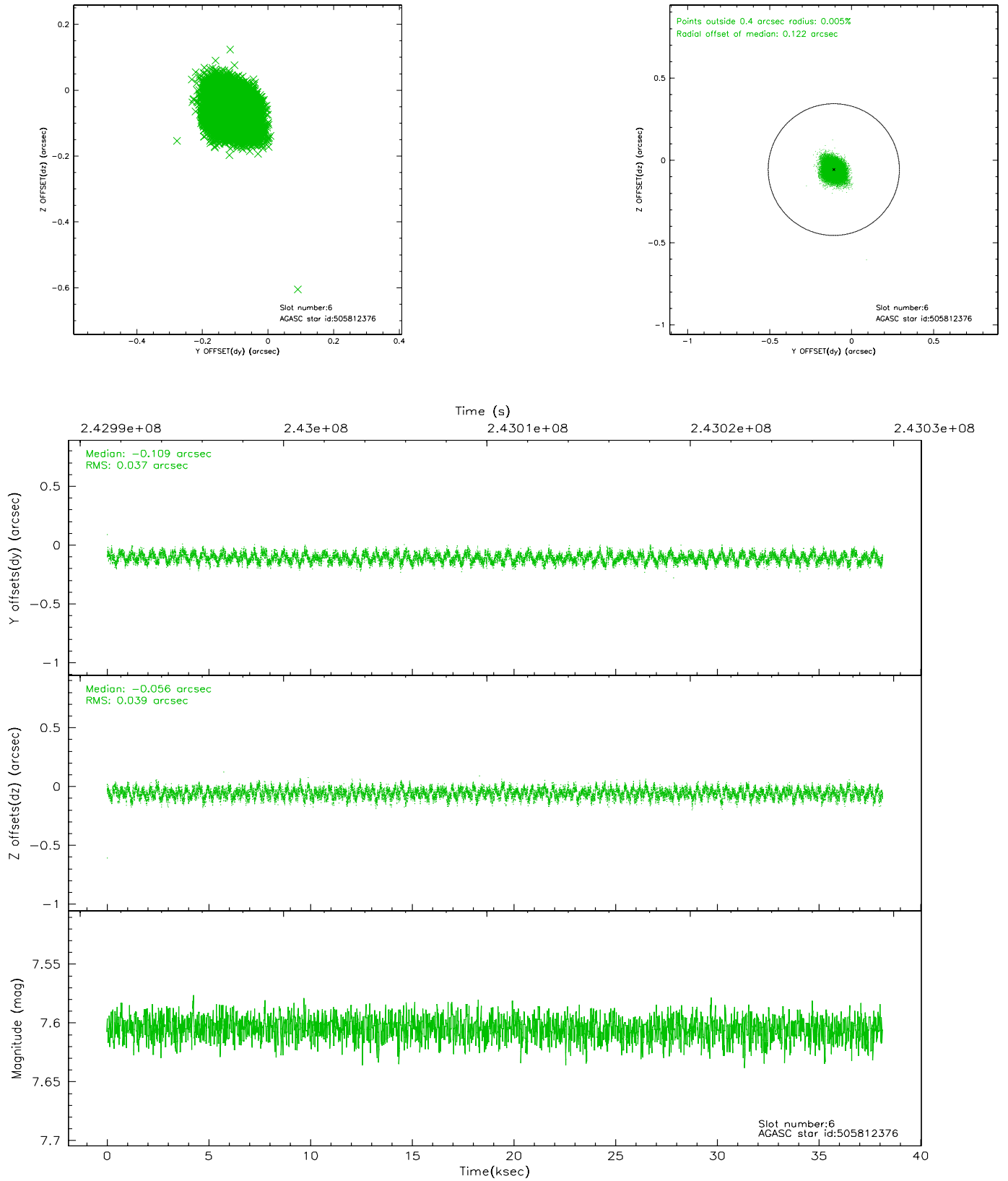
2.4.2 Slot 4



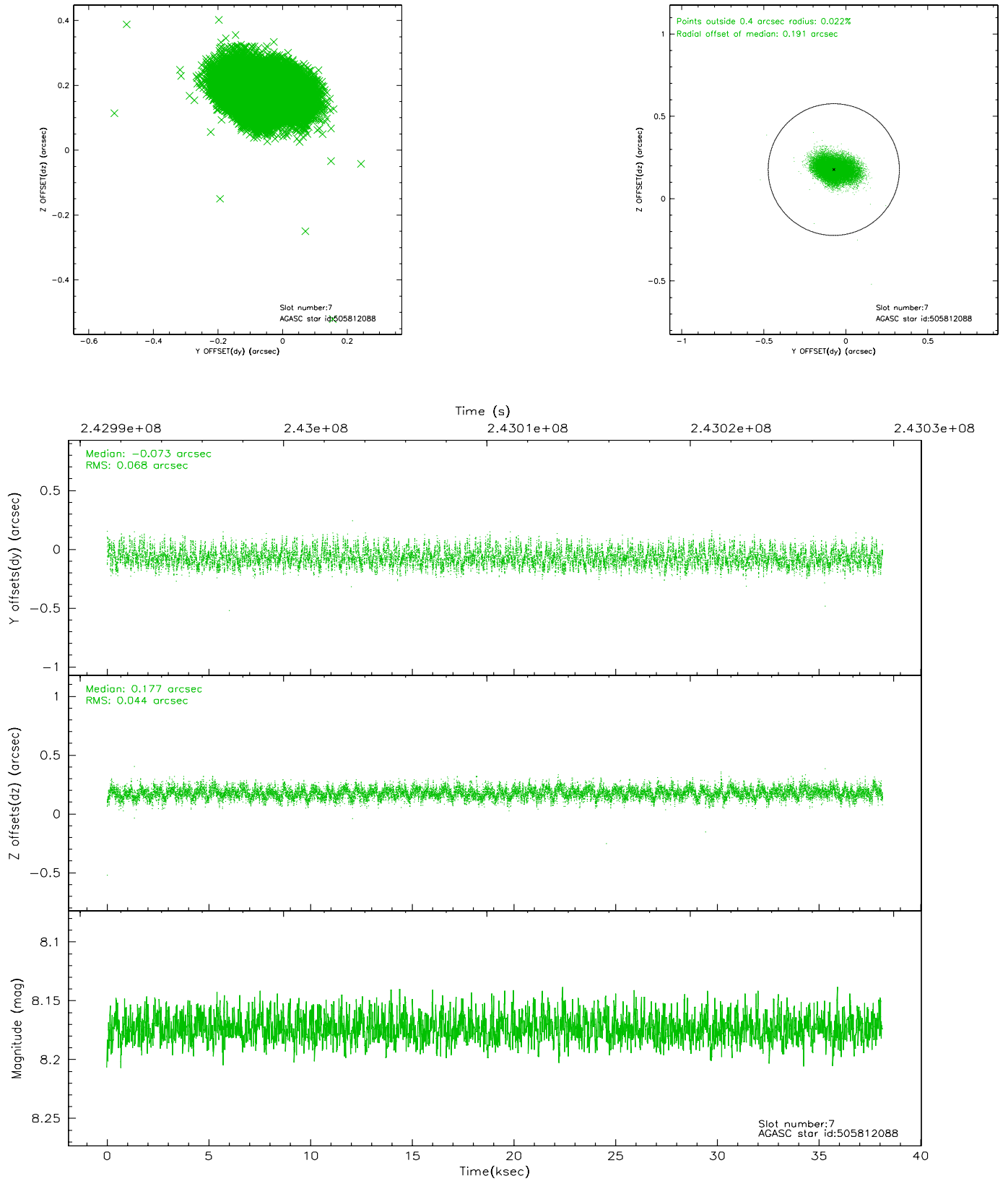
2.4.3 Slot 5



2.4.4 Slot 6

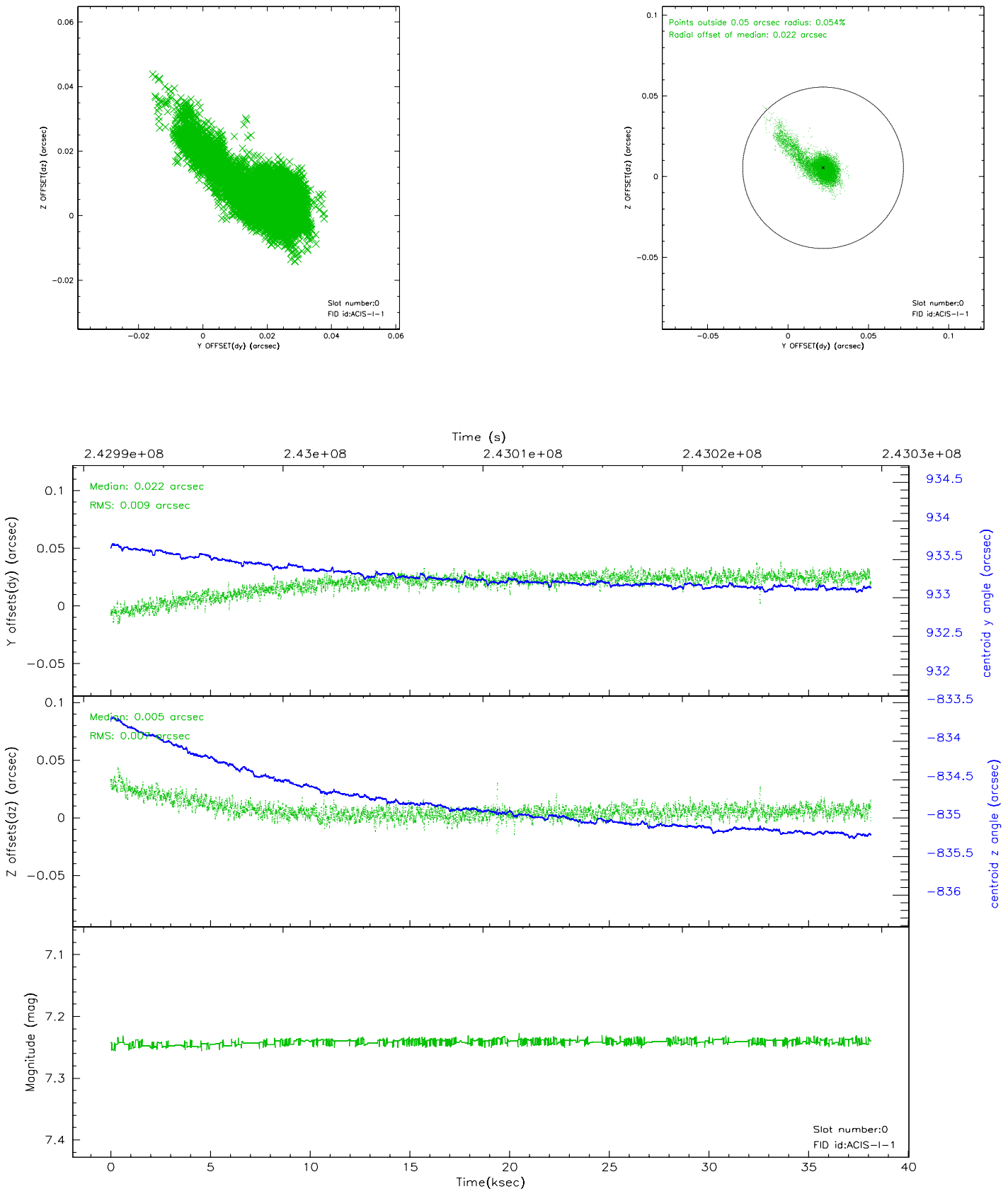


2.4.5 Slot 7

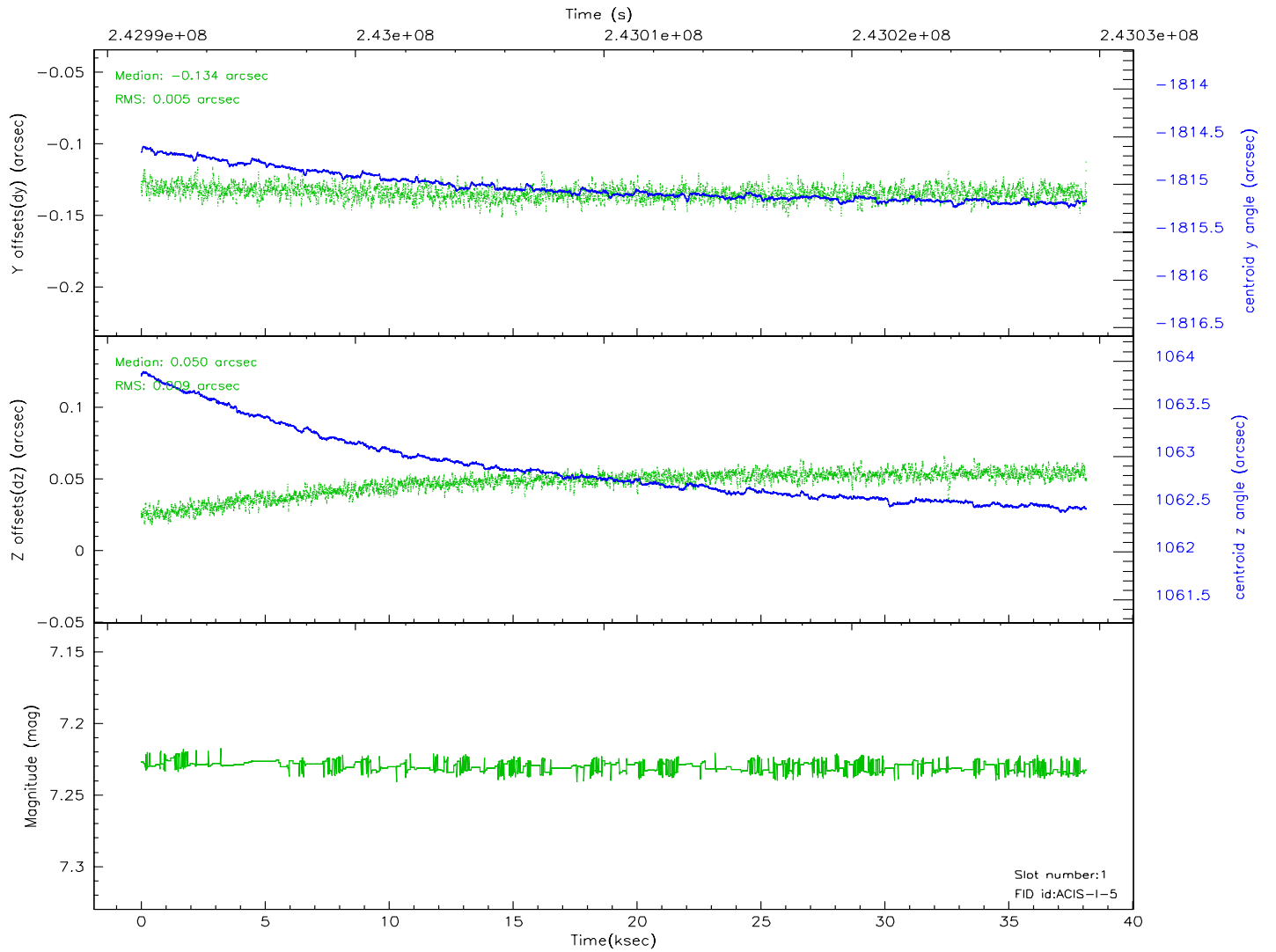
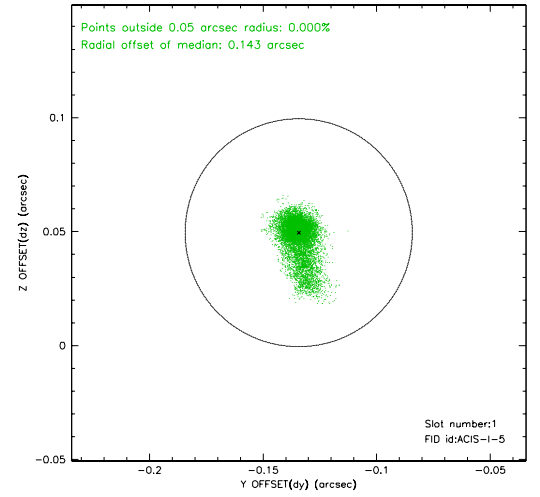
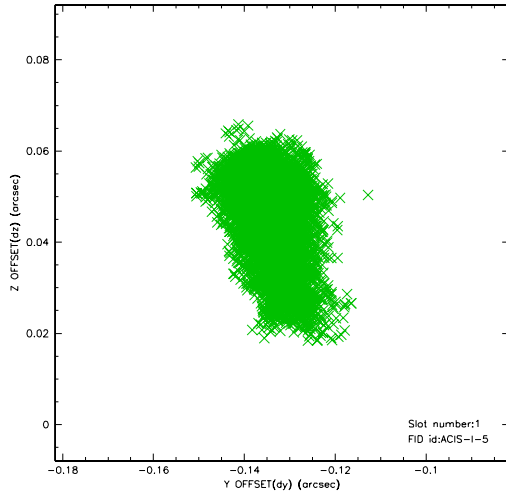


2.5 FID Slots

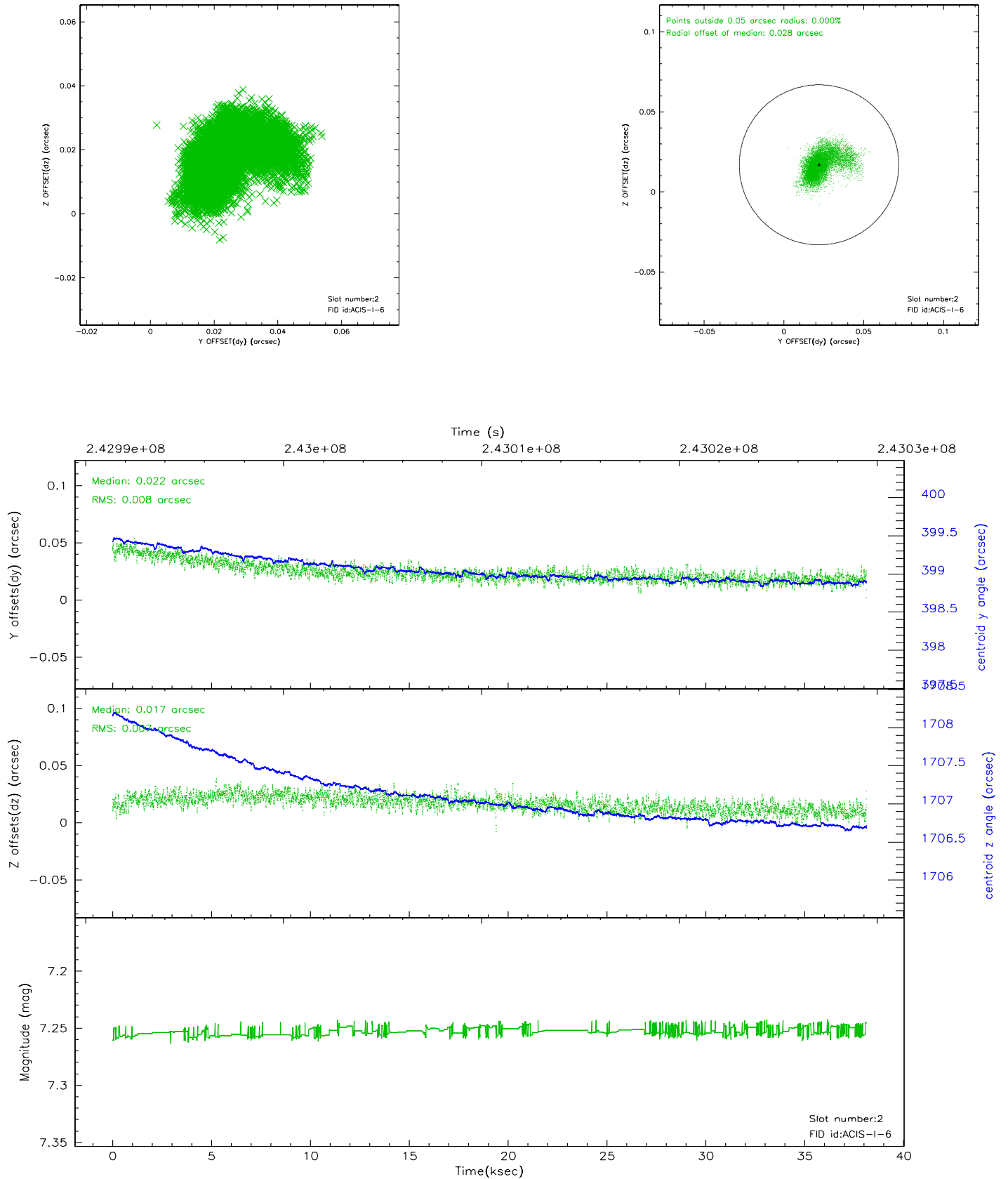
2.5.1 Slot 0



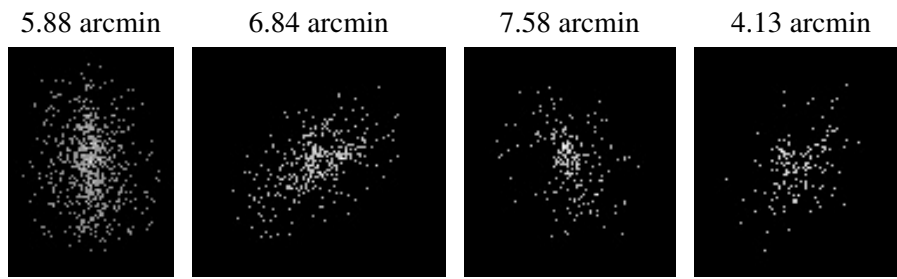
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.12379

A.2 Comments

Roll constraint met.