

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6218 - L2 Version 002
Chandra X-Ray Center

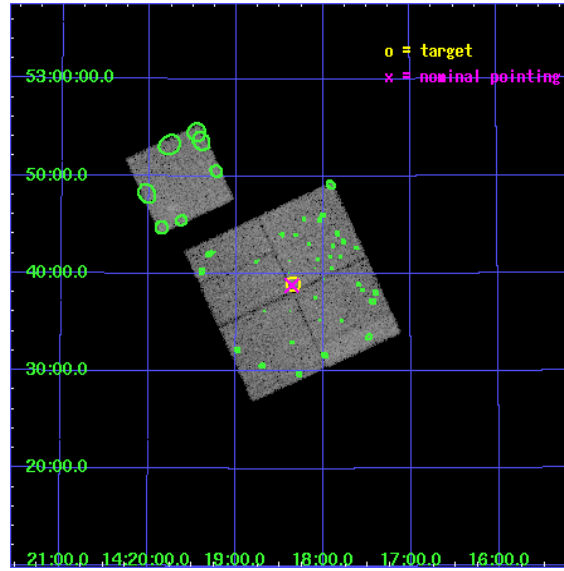
L2 Processing Date : Mar 31 2006

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1 Front

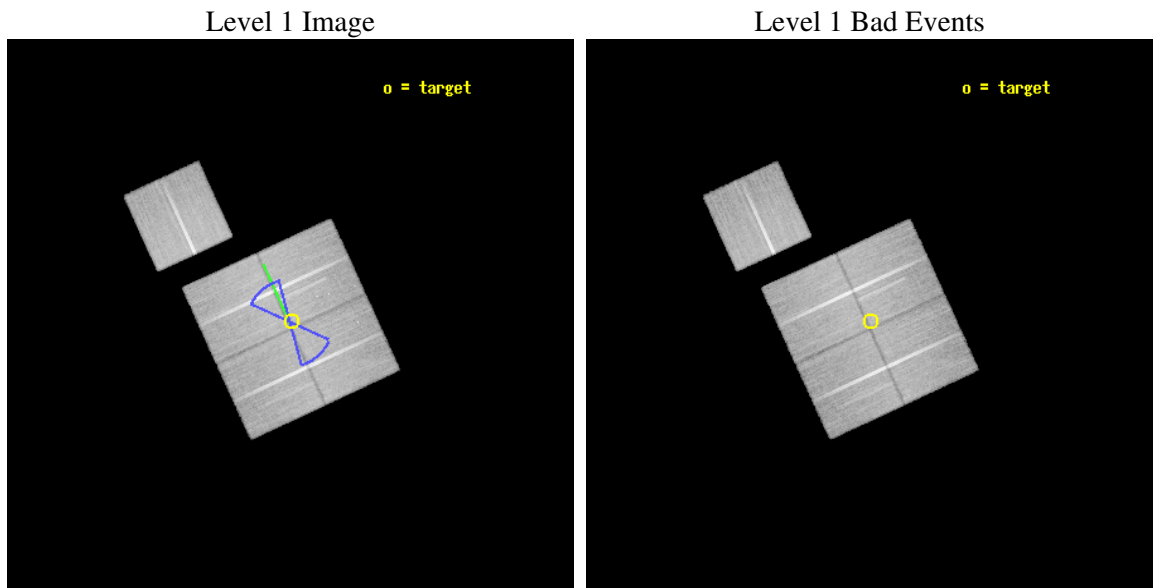
seq_num	900352
obs_id	6218
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Professor Kirpal Nandra
object	EGS-5
dtcycle	0
cycle	P
ra_targ	214.584915
dec_targ	52.65052
ra_nom	214.59005138619
dec_nom	52.647093993084
roll_nom	335.28743681153
revision	2
ontime	41112.891349375
livetime	40575.721157025
ontime0	41115.258950651
ontime1	41112.117950529
ontime2	41115.25895068
ontime3	41112.891349375
ontime6	41108.977000237
l2events	110071



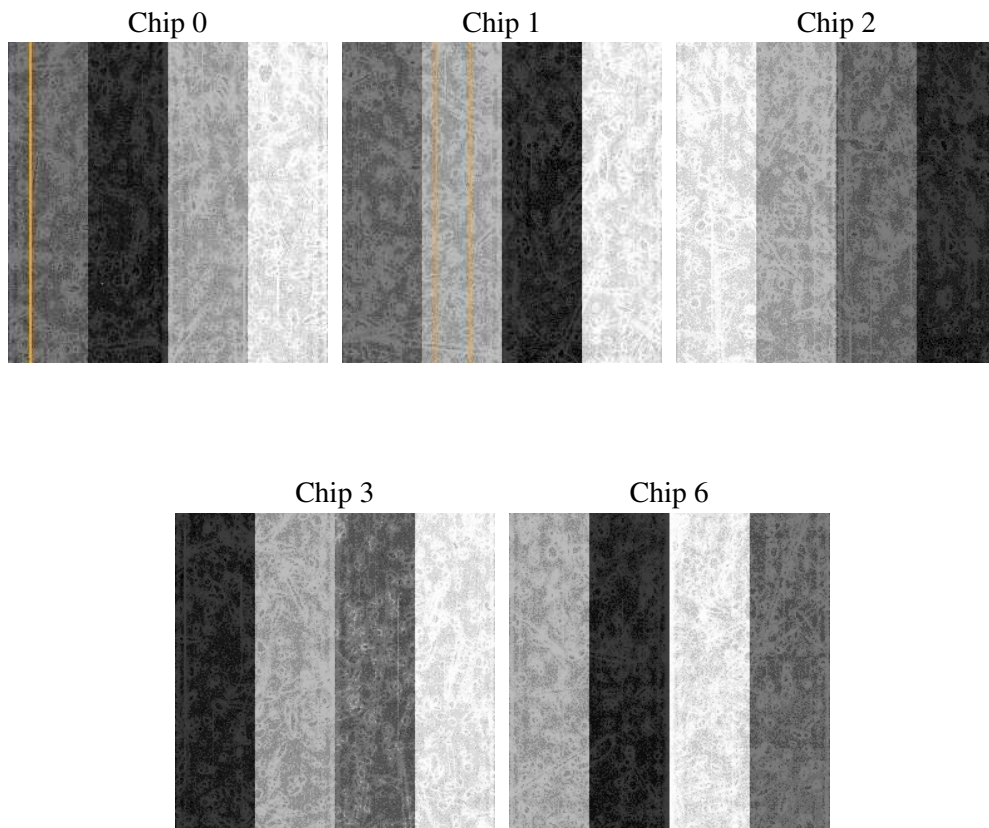
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-31T21:29:35
revision	2

sched_exp_time	41000.000000
ontime	41445.546367824
ontime0	41448.687387854
ontime1	41445.546387732
ontime2	41448.687387884
ontime3	41445.546367824
ontime6	41442.40543744
l1events	1295871

2.1.4 Events

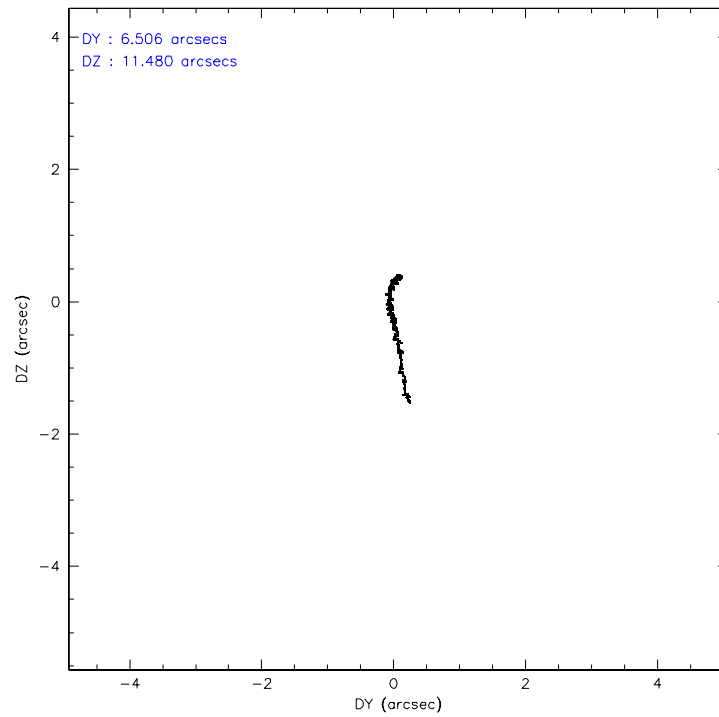
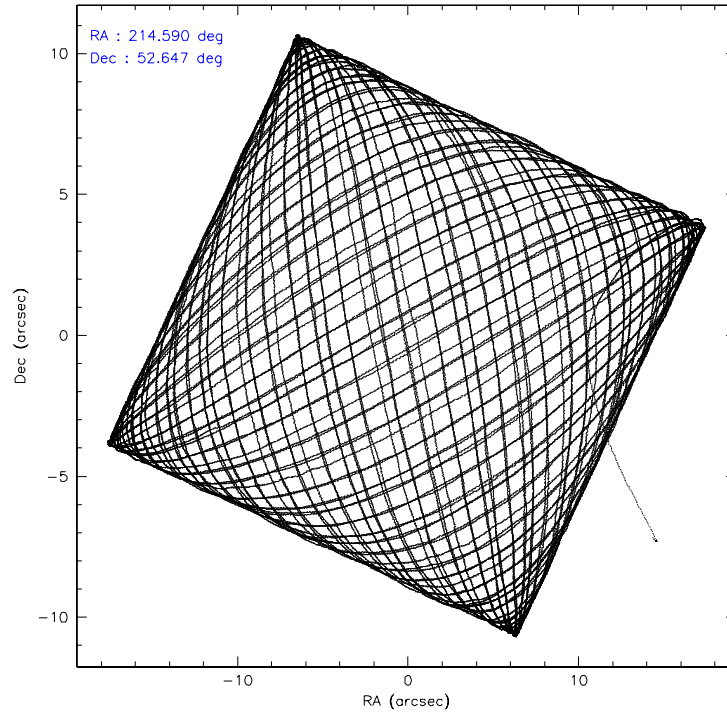
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	243904	247739	276384	264507	263337
rejected events	218789	218416	251164	238834	236682
rejected %	89%	88%	90%	90%	89%

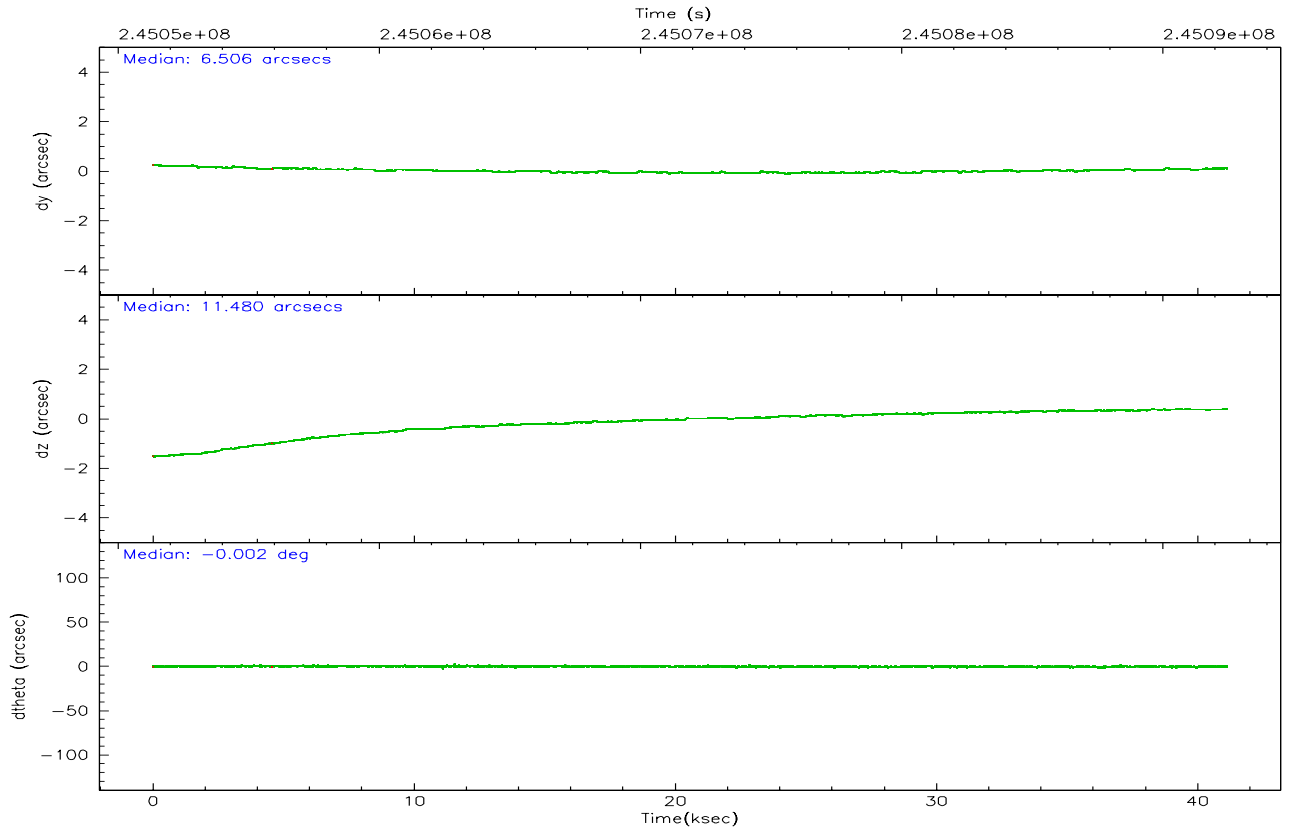
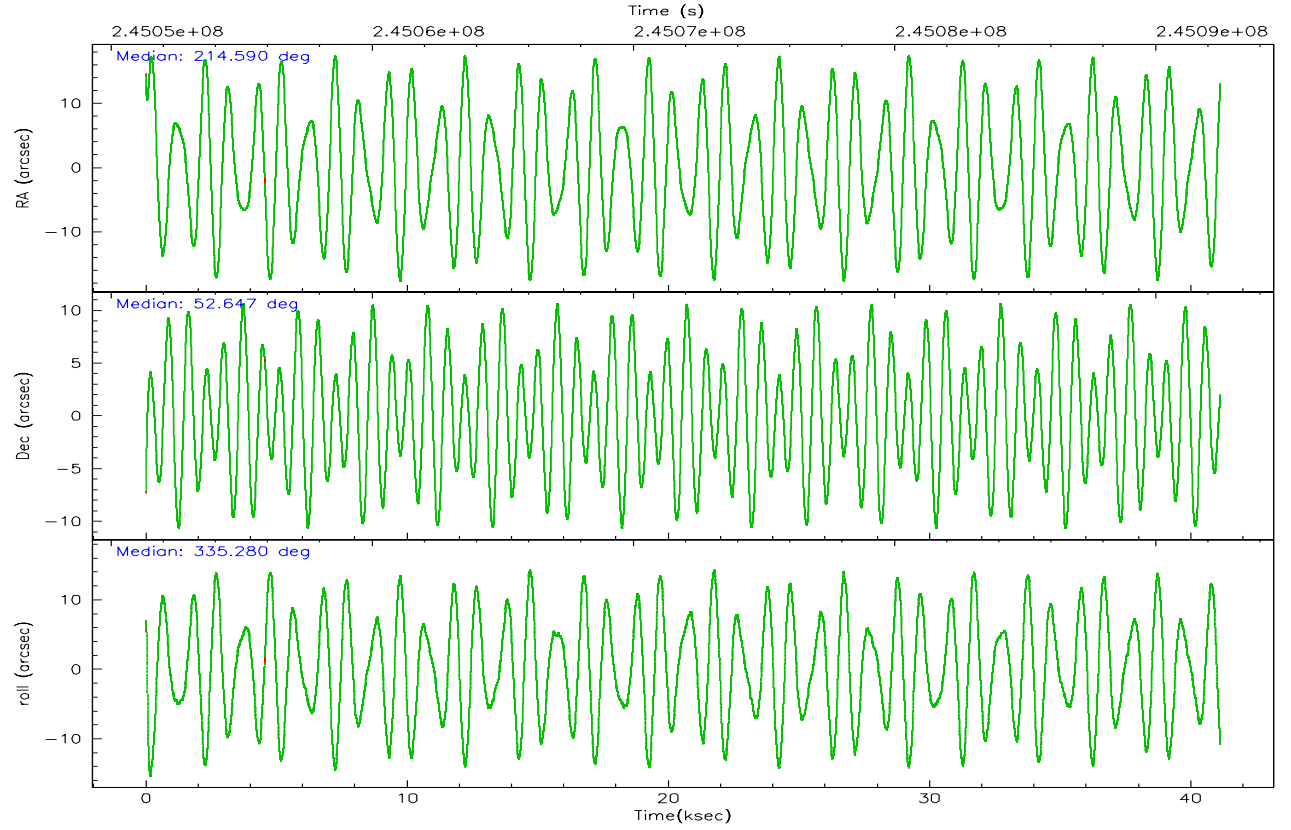
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	8465	10701	9049	9555	9161
	3%	4%	3%	3%	3%
grade 1 events	101	124	144	134	101
	0%	0%	0%	0%	0%
grade 2 events	6217	6538	5966	5466	5863
	2%	2%	2%	2%	2%
grade 3 events	2898	3252	2787	2984	3009
	1%	1%	1%	1%	1%
grade 4 events	2778	3183	2874	2780	2963
	1%	1%	1%	1%	1%
grade 5 events	9177	10143	8847	10697	10565
	3%	4%	3%	4%	4%
grade 6 events	4967	5885	4749	5094	5861
	2%	2%	1%	1%	2%
grade 7 events	209301	207913	241968	227797	225814
	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	214.545137	214.5900513861938	Alternating exposures requested	N	N
Pointing Dec	52.644450	52.64709399308445	Primary exposure time	0.000000	3.1
Pointing Roll	335.114450	335.2874368115282			
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	245051478.184000	245050296.92376			
Observation start date	2005-10-07T05:50:14	2005-10-07T05:31:36			
Observation end time	245092478.184000	245094091.07578			
Observation end date	2005-10-07T17:13:34	2005-10-07T17:41:31			
Read mode	TIMED	TIMED			

2.3 Aspect



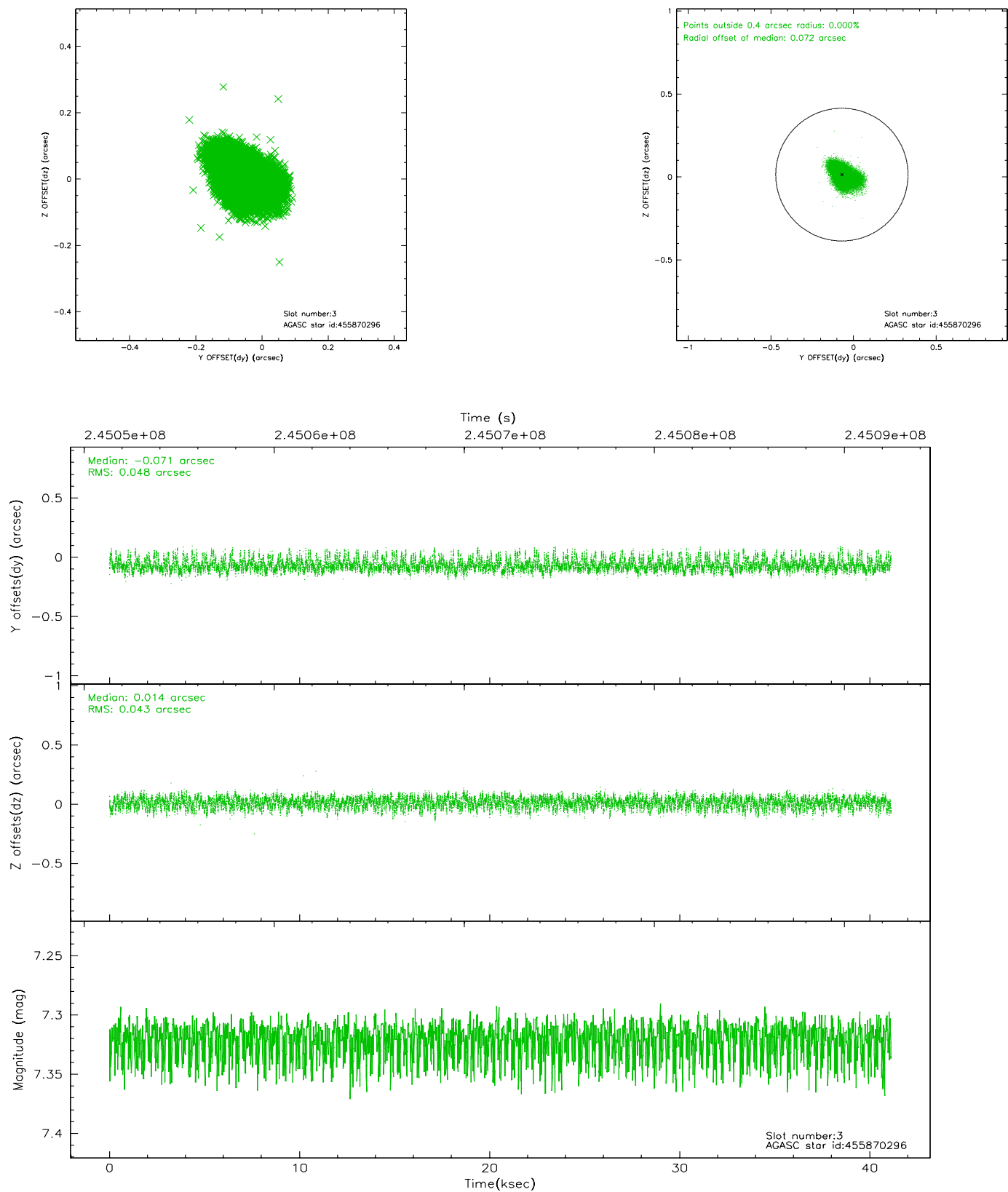


Slot Statistics

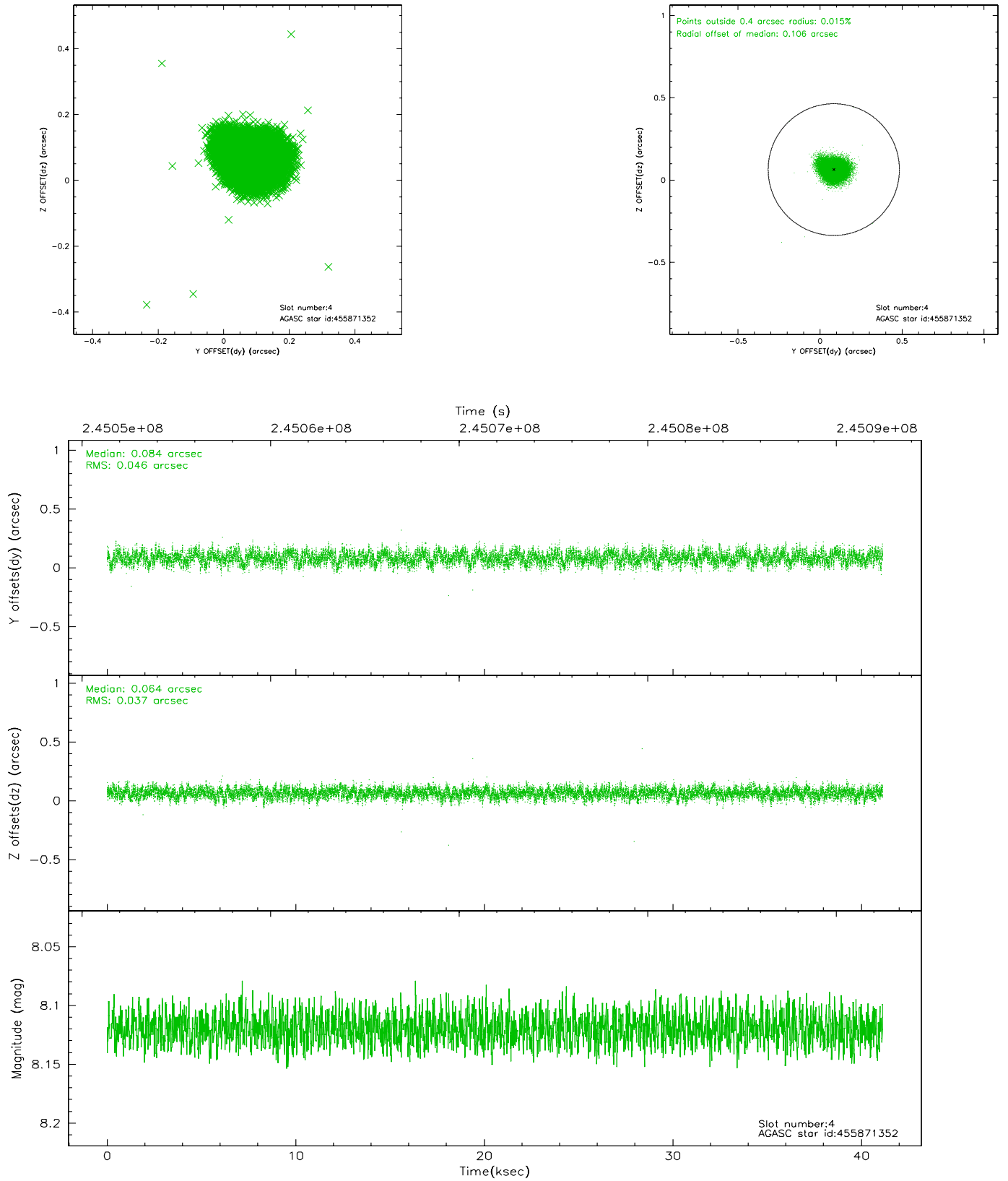
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	10023	-0.015	-0.050	0.014	0.079	0.000000	0.000000	933.15	-834.86
1	FID	ACIS-I-4	7.18	10020	0.048	0.065	0.012	0.057	0.000000	0.000000	2153.28	1065.03
2	FID	ACIS-I-5	7.22	10021	-0.133	0.056	0.009	0.035	0.000000	0.000000	-1814.94	1062.92
3	GUIDE	455870296	7.32	20046	-0.071	0.014	0.068	0.114	214.629779	52.033323	1096.23	-1916.37
4	GUIDE	455871352	8.12	20047	0.084	0.064	0.063	0.100	215.099961	52.172669	1824.43	-1020.50
5	GUIDE	505806936	7.01	20042	-0.030	0.017	0.064	0.101	213.820815	52.535927	-1277.36	-1014.54
6	GUIDE	505812088	8.16	20036	0.154	0.002	0.072	0.120	214.186617	53.263562	-1639.03	1698.79
7	GUIDE	505812376	7.70	20046	-0.139	-0.093	0.048	0.077	214.039537	52.937930	-1441.43	500.40

2.4 Star Slots

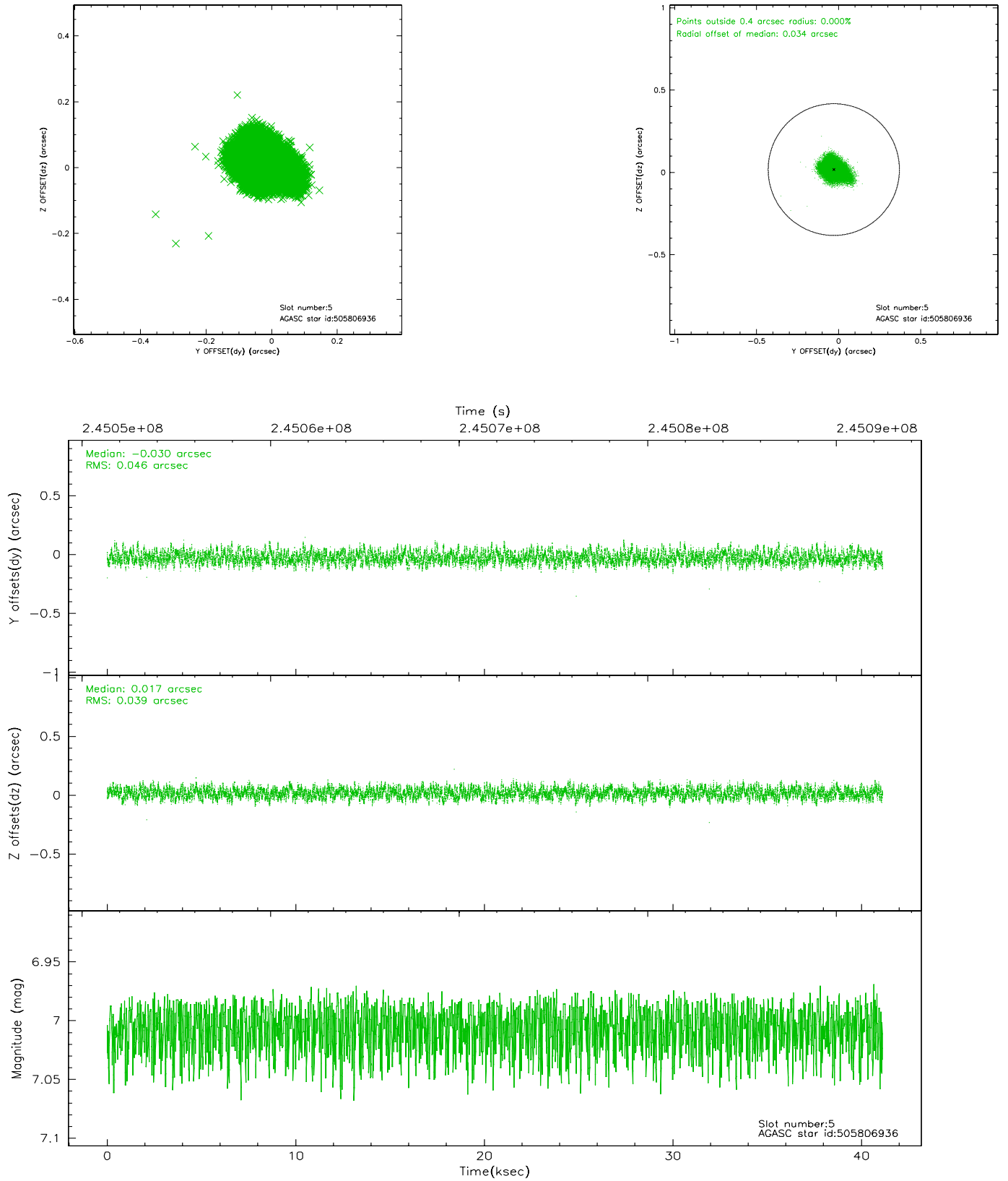
2.4.1 Slot 3



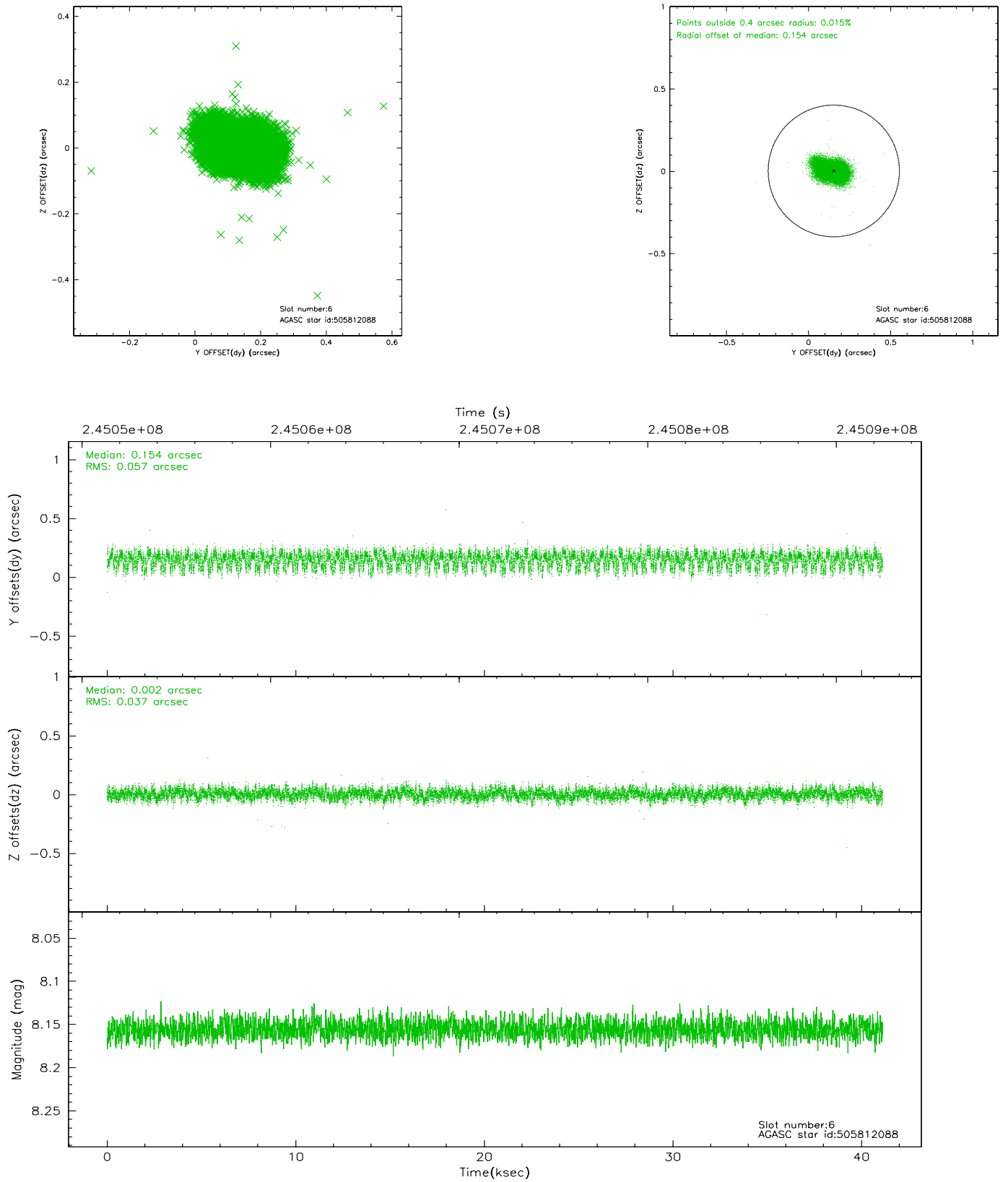
2.4.2 Slot 4



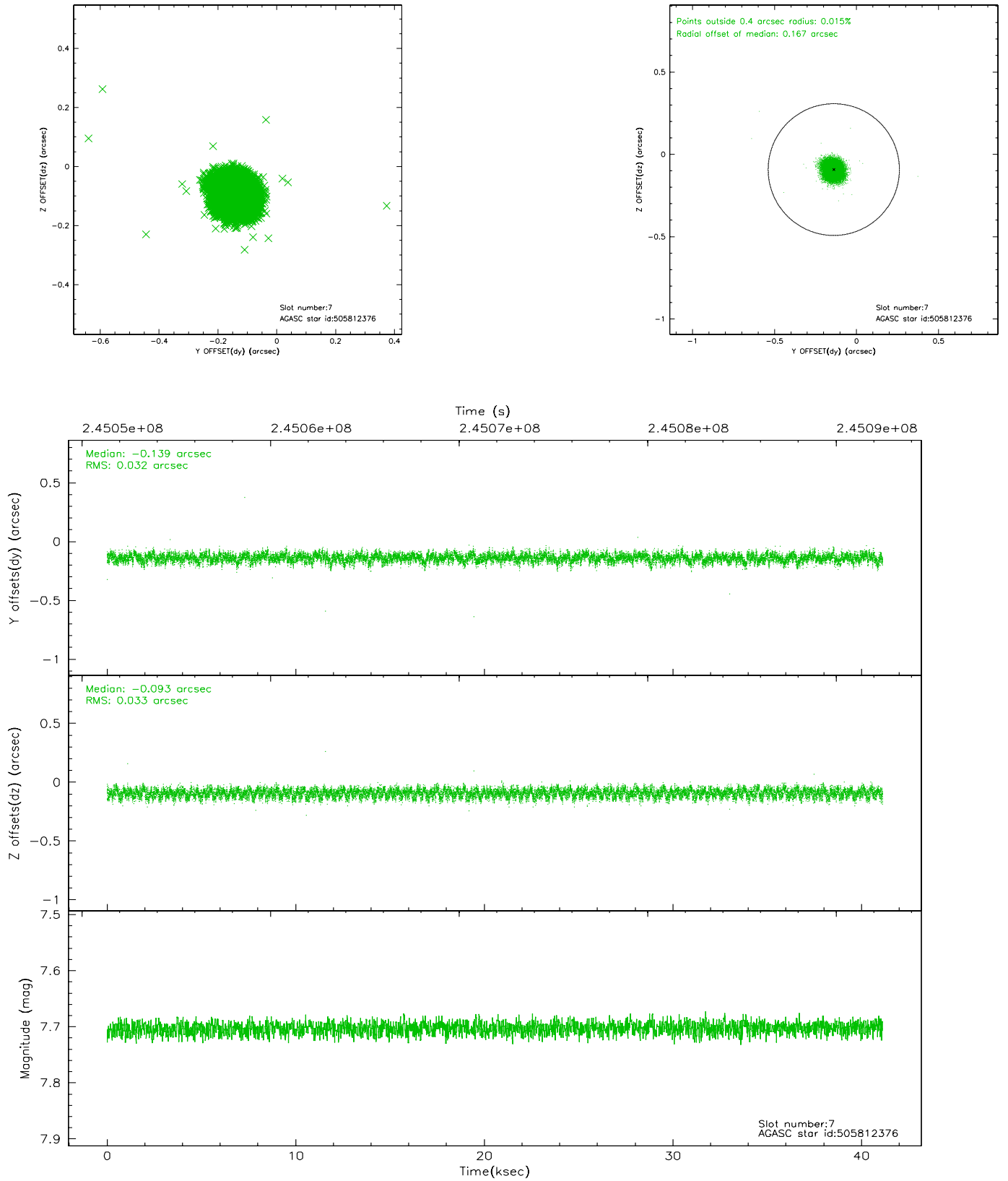
2.4.3 Slot 5



2.4.4 Slot 6

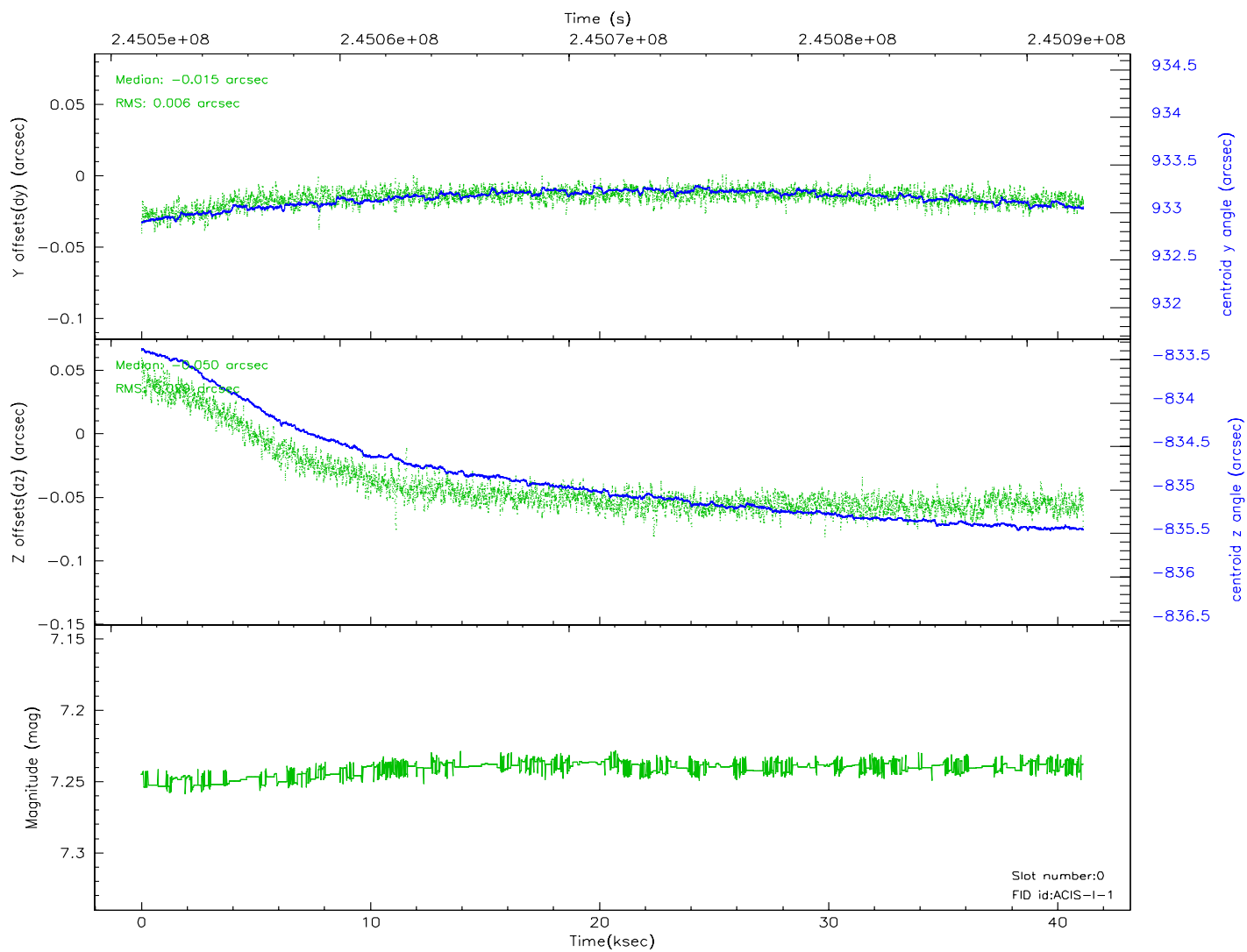
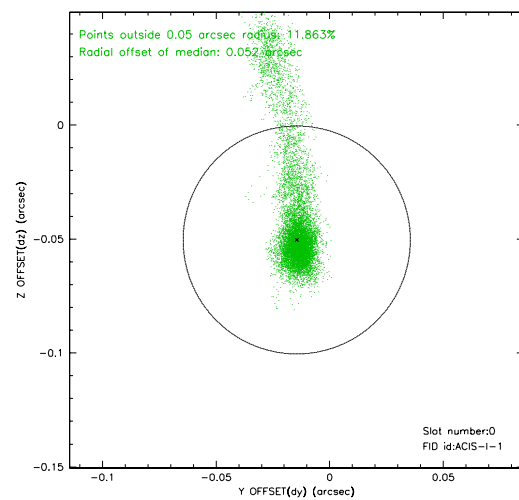
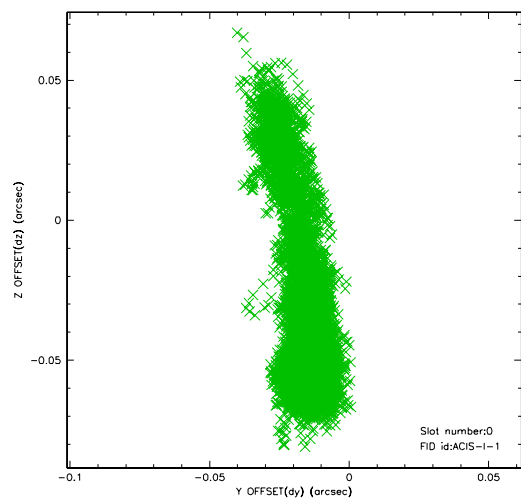


2.4.5 Slot 7

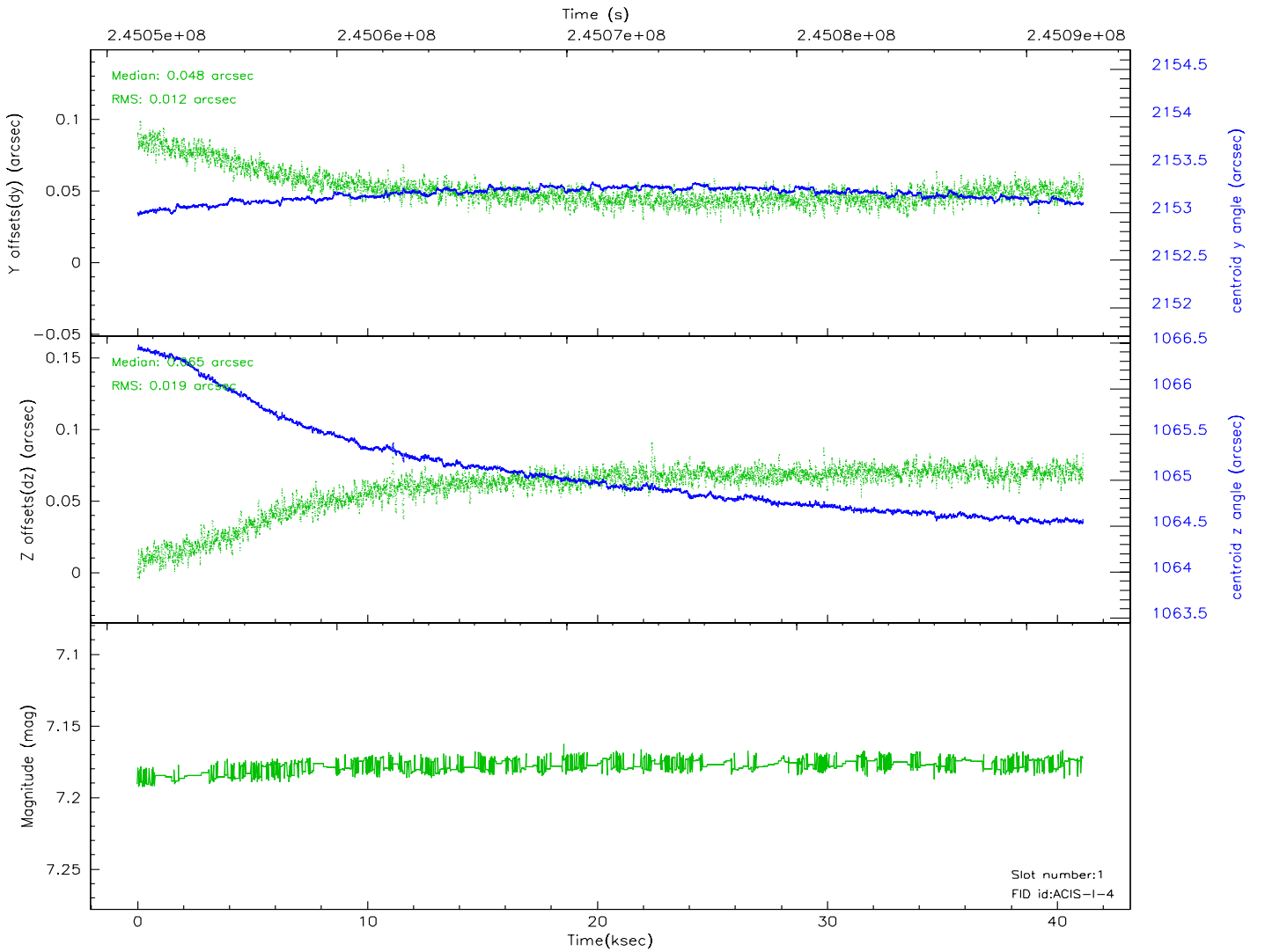
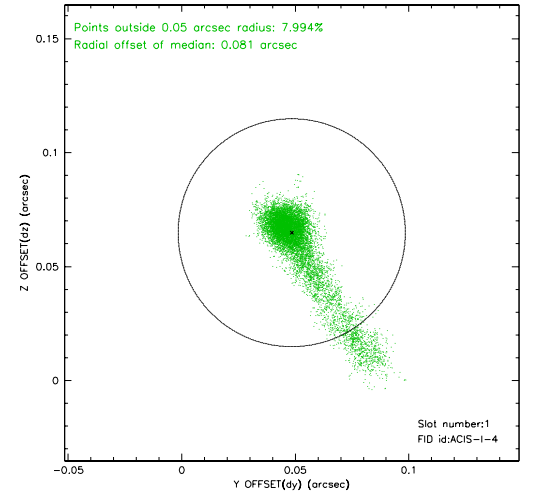
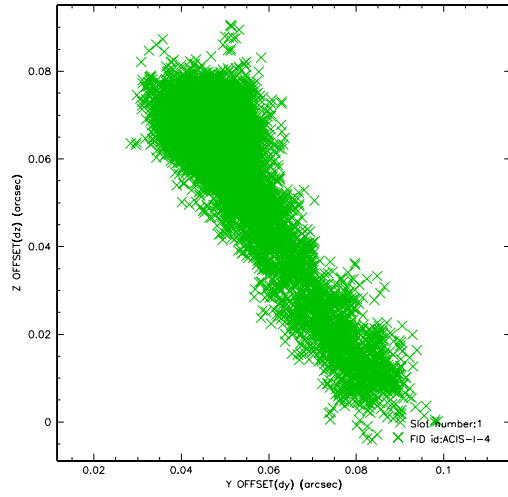


2.5 FID Slots

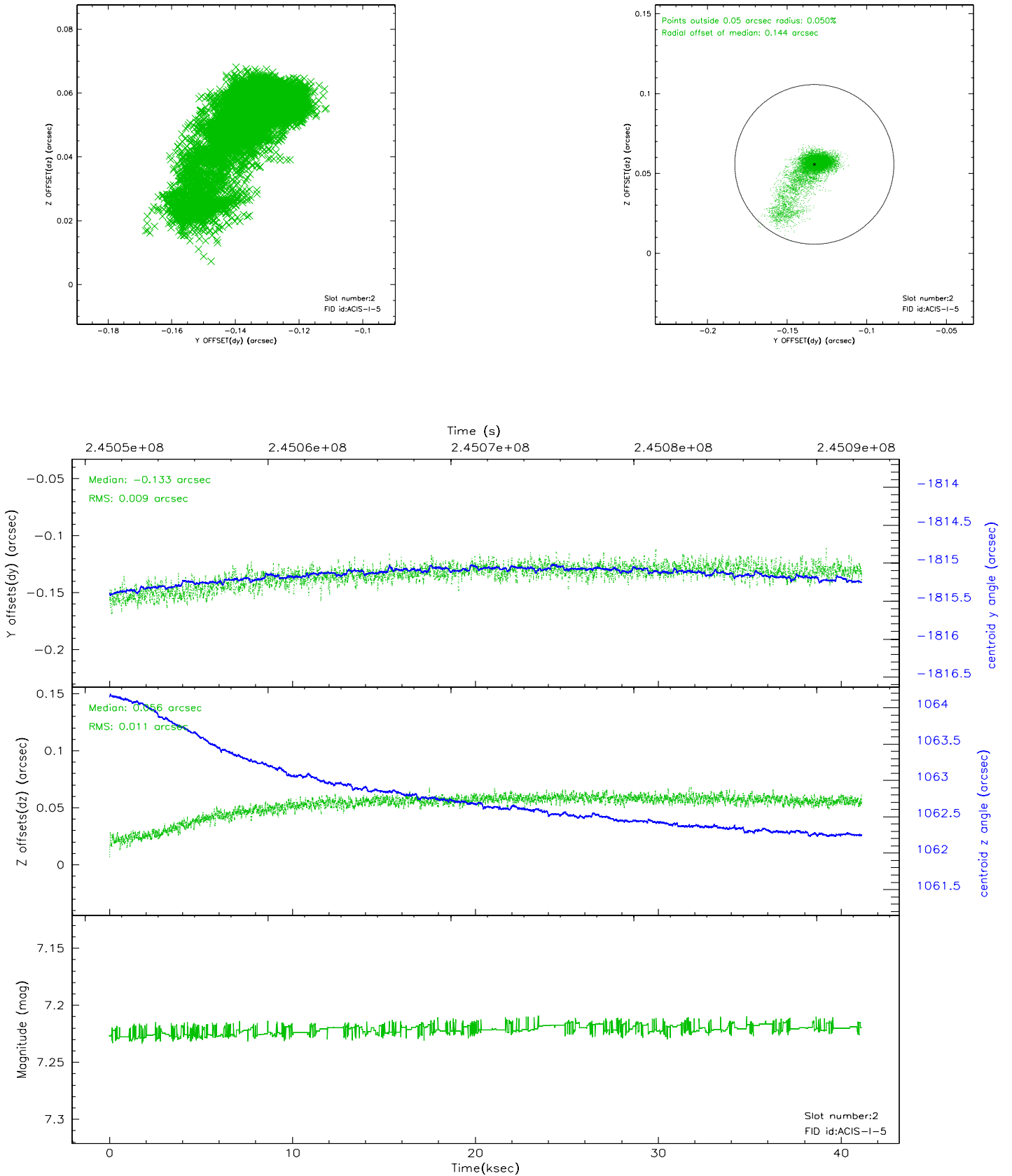
2.5.1 Slot 0



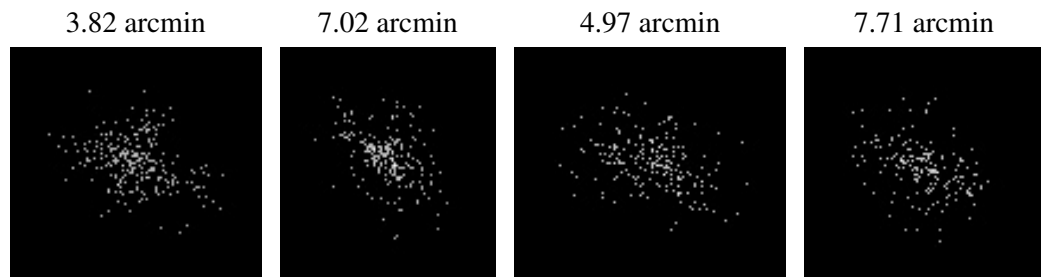
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.11289

A.2 Comments

As a consequence of the DEA-A shutdown anomaly on Sep 15th (DOY258), the the reported value of the ACIS FP temperature was ~1.3 degrees warmer than the actual temperature. GOs should subtract 1.3 degrees from the reported temperature to determine the true temperature. Roll constraint met.

Roll constraint met.