

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 6229 - L2 Version 002
Chandra X-Ray Center

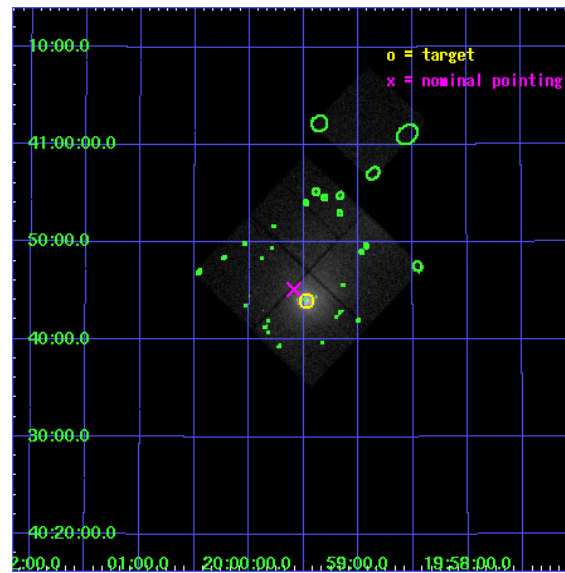
L2 Processing Date: Feb 25 2006

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1 Front

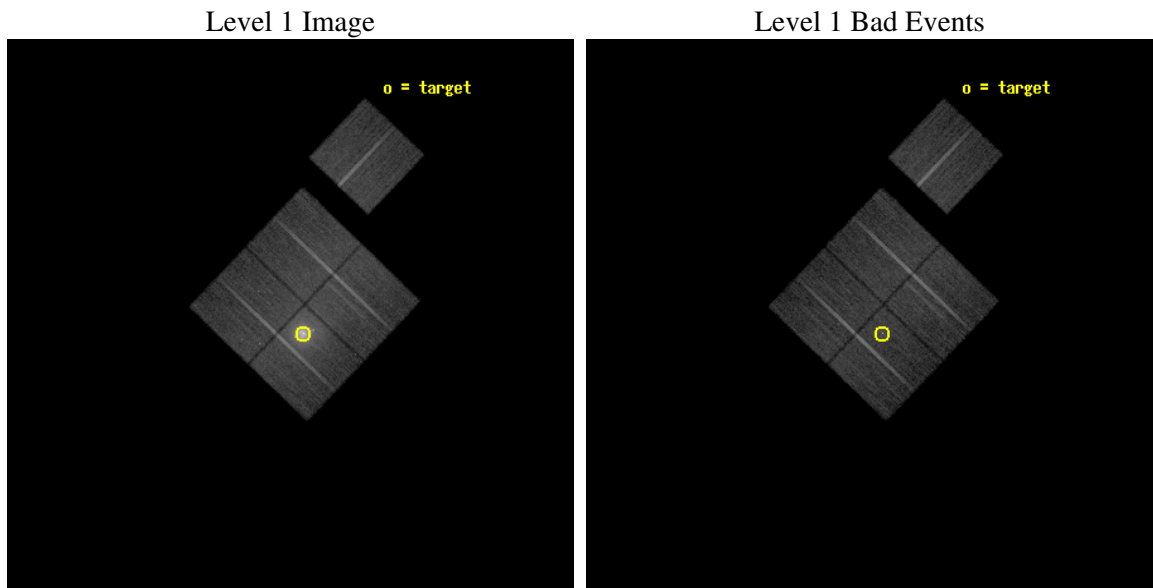
seq_num	800540
obs_id	6229
title	Cygnus A --- Shock Heating of the Intra-Cluster Medium
observer	Dr Andrew Young
object	Cygnus A
dtcycle	0
cycle	P
ra_targ	299.867917
dec_targ	40.733889
ra_nom	299.89758188912
dec_nom	40.752721962269
roll_nom	43.68933037778
revision	2
ontime	23054.699955672
livetime	22753.473328128
ontime0	23054.699955672
ontime1	23054.699955672
ontime2	23051.558975399
ontime3	23051.558985412
ontime6	23048.418015152
l2events	211344



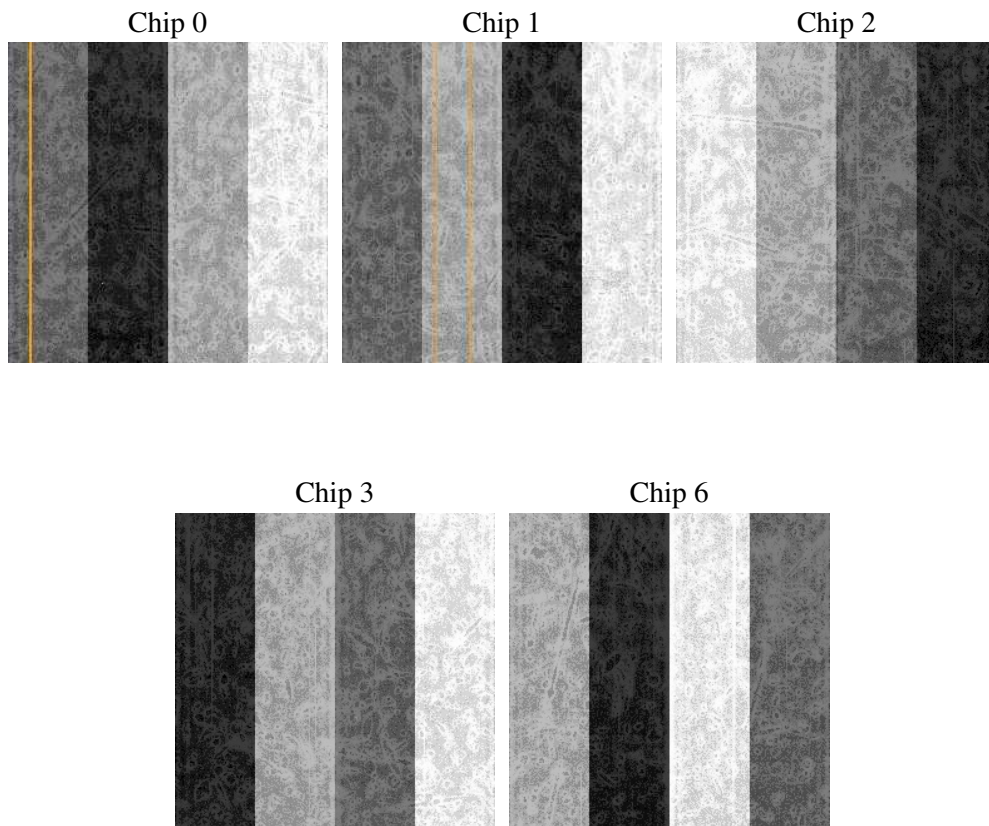
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-25T07:51:17
revision	2

sched_exp_time	22900.000000
ontime	23727.138824433
ontime0	23727.138824433
ontime1	23727.138824433
ontime2	23723.99784416
ontime3	23723.997854173
ontime6	23720.856883913
l1events	865379

2.1.4 Events

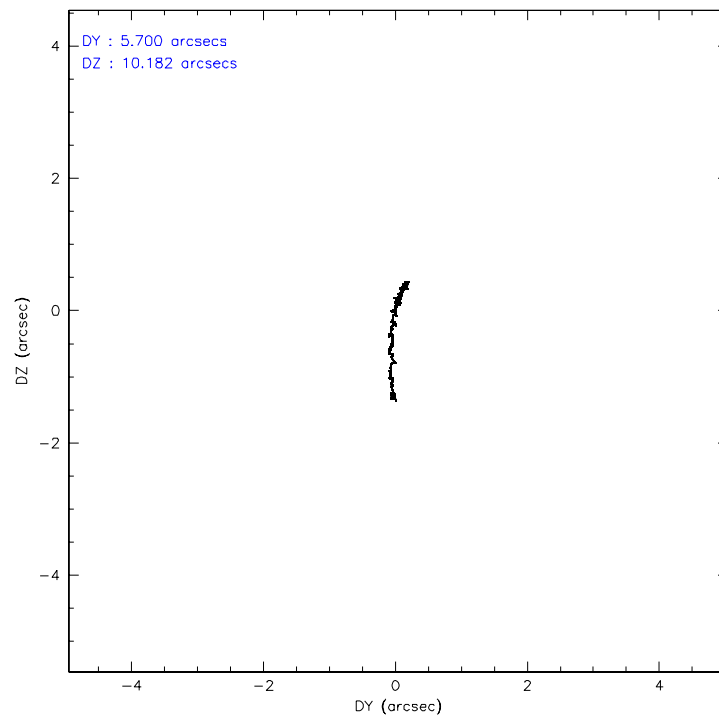
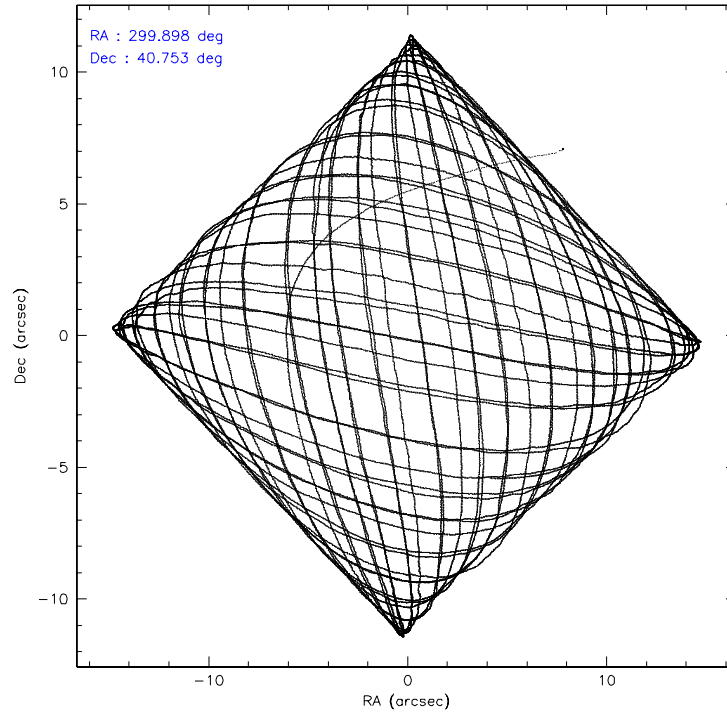
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	147862	242633	161933	165871	147080
rejected events	119632	121609	133204	128661	130171
rejected %	80%	50%	82%	77%	88%

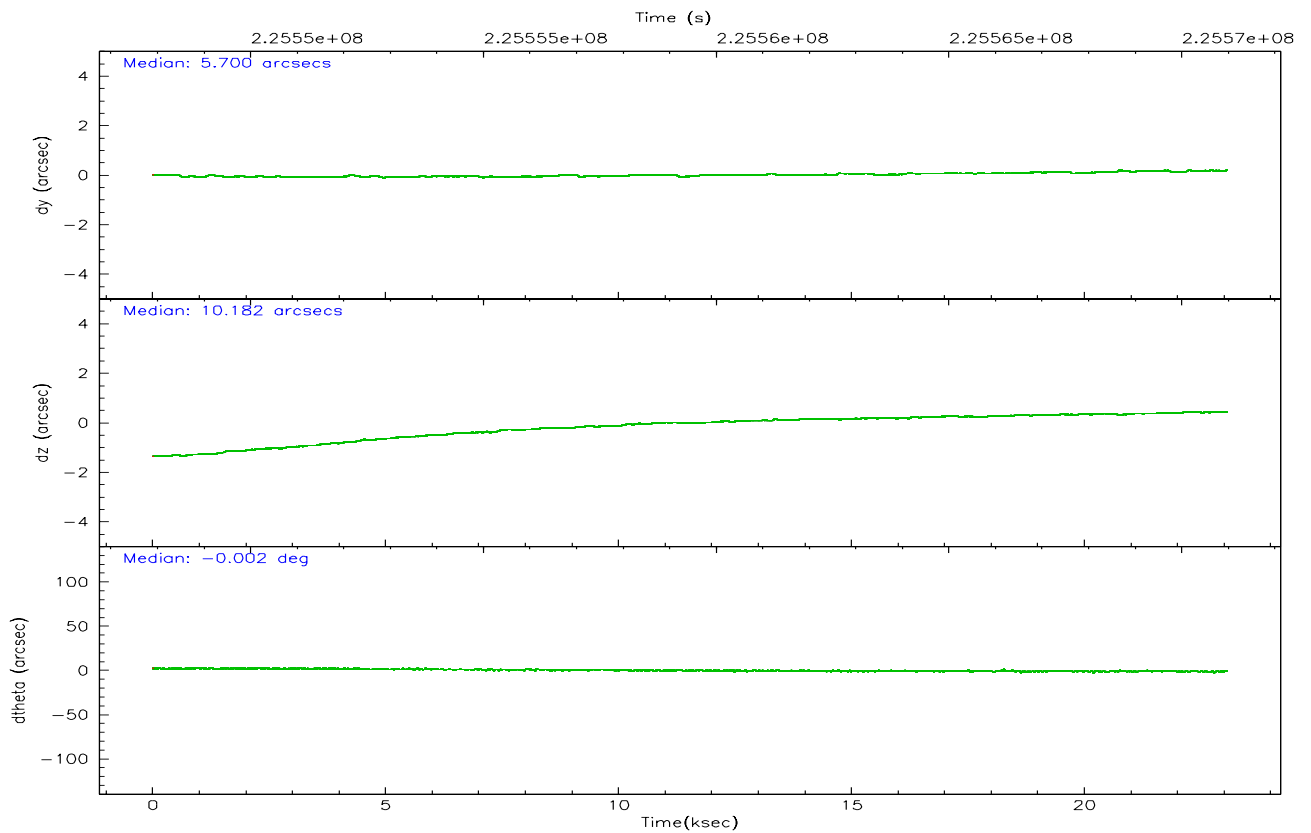
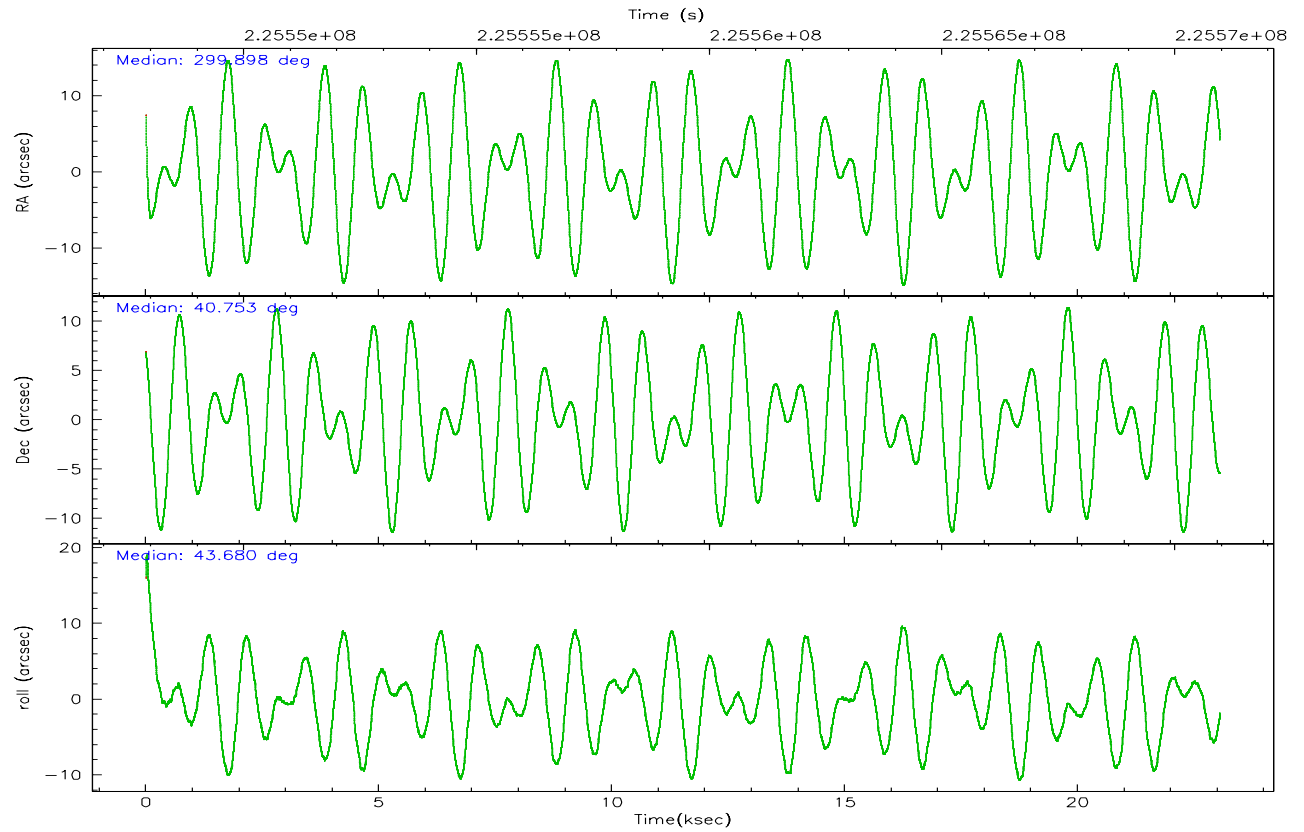
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	16363	88402	17529	23886	7297
	11%	36%	10%	14%	4%
grade 1 events	131	812	136	159	70
	0%	0%	0%	0%	0%
grade 2 events	4976	15766	4642	5577	3413
	3%	6%	2%	3%	2%
grade 3 events	2065	5501	2005	2380	1695
	1%	2%	1%	1%	1%
grade 4 events	1988	5482	2100	2458	1741
	1%	2%	1%	1%	1%
grade 5 events	5146	6300	4926	5944	5662
	3%	2%	3%	3%	3%
grade 6 events	3387	7163	2969	3512	3197
	2%	2%	1%	2%	2%
grade 7 events	113806	113207	127626	121955	124005
	76%	46%	78%	73%	84%

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	299.887572	299.8975818891167	Alternating exposures requested	N	N
Pointing Dec	40.726424	40.75272196226889	Primary exposure time	0.000000	3.1
Pointing Roll	43.487167	43.68933037778049			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-242.392463	-242.3975952774949			
SIM translation stage offset (mm)	8.800000000000001	8.805142274565242			
Observation start time	225548071.184000	225546756.44577			
Observation start date	2005-02-23T12:13:27	2005-02-23T11:52:36			
Observation end time	225570971.184000	225572567.99694			
Observation end date	2005-02-23T18:35:07	2005-02-23T19:02:47			
Read mode	TIMED	TIMED			

2.3 Aspect



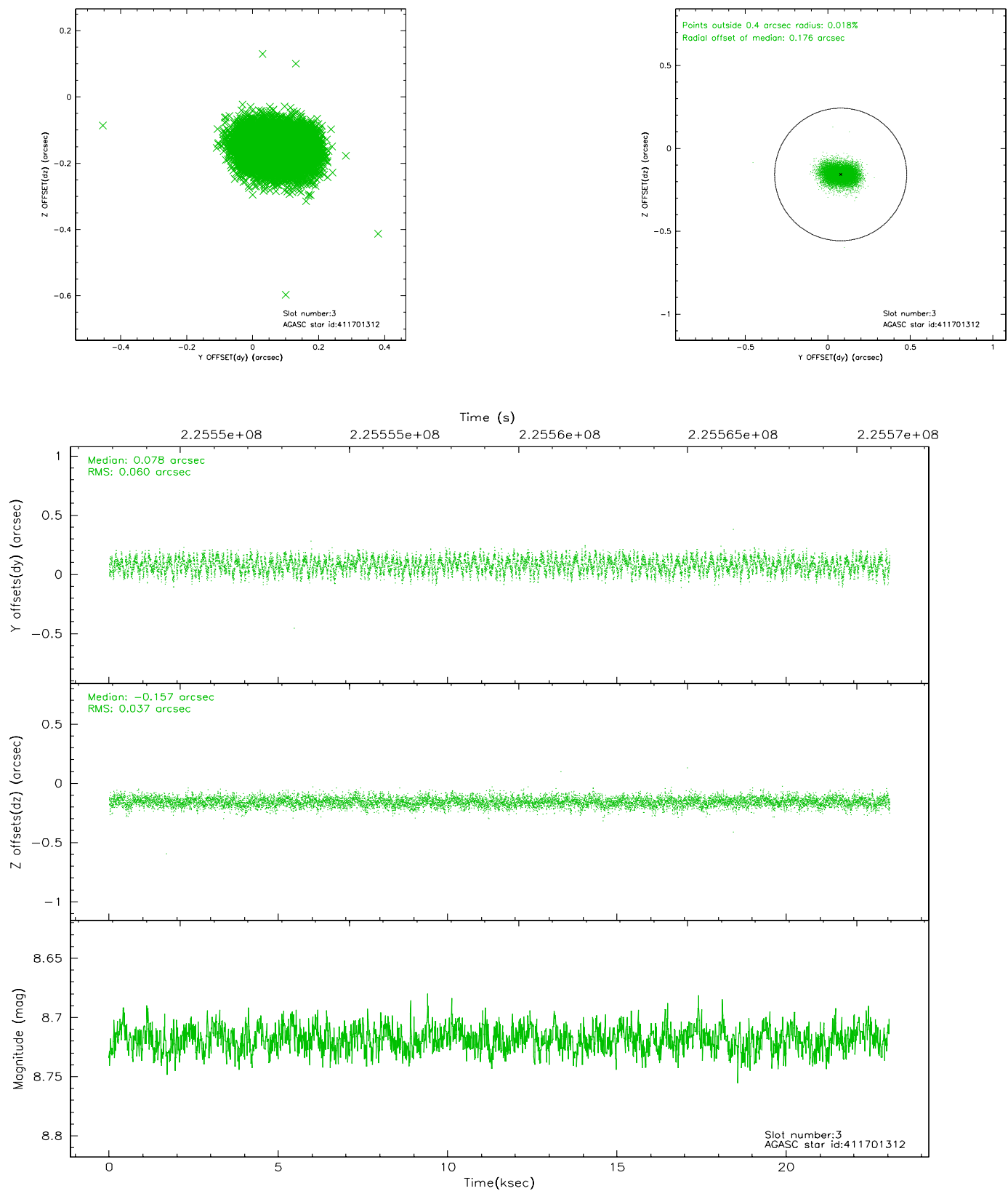


Slot Statistics

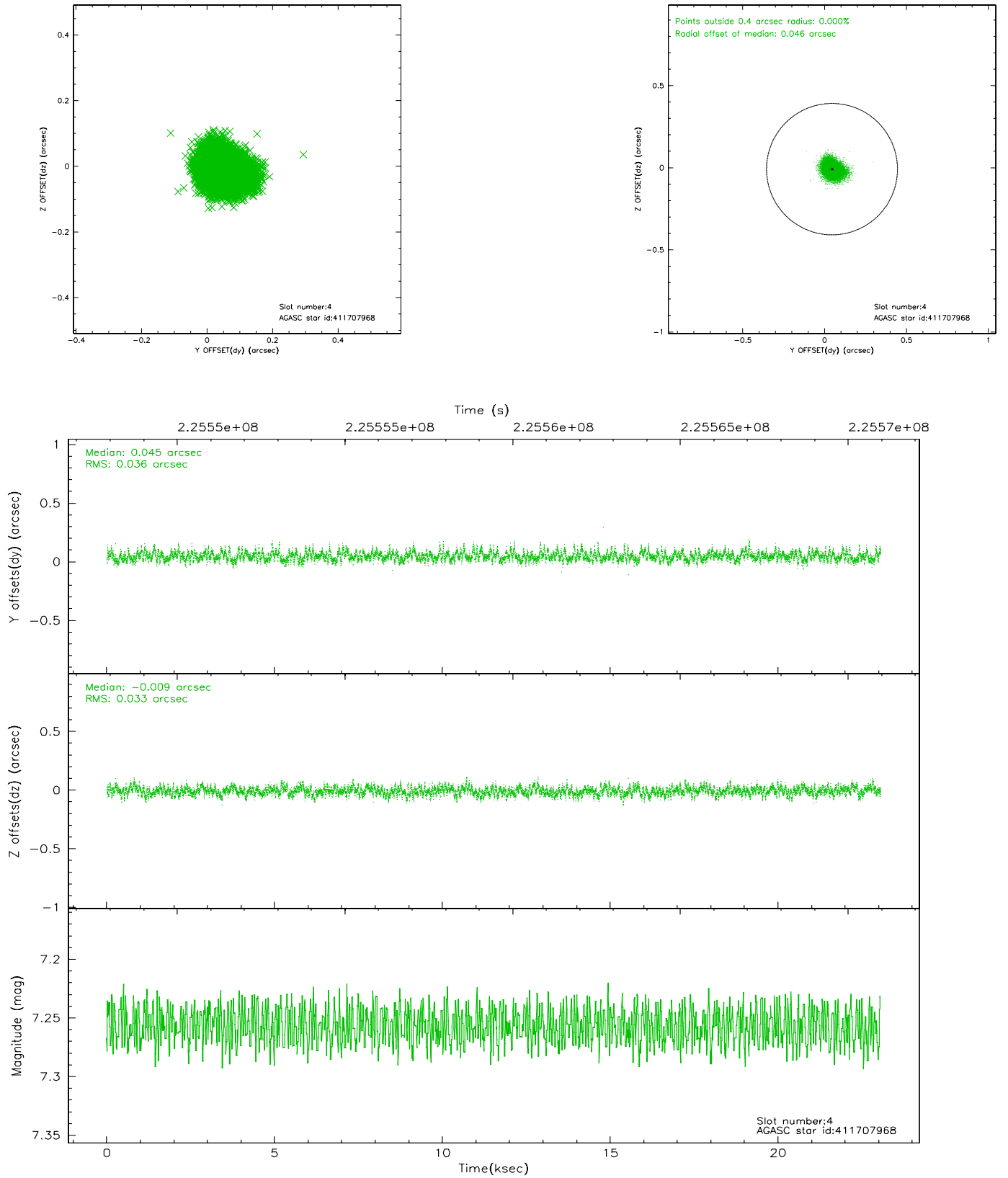
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.28	5625	-0.060	0.125	0.027	0.067	0.000000	0.000000	934.10	-652.39
1	FID	ACIS-I-5	7.24	5625	-0.067	0.003	0.010	0.018	0.000000	0.000000	-1813.93	1244.97
2	FID	ACIS-I-6	7.24	5625	0.036	-0.059	0.022	0.065	0.000000	0.000000	399.60	1889.56
3	GUIDE	411701312	8.72	11246	0.078	-0.157	0.075	0.120	298.889956	40.820220	-1728.83	2126.32
4	GUIDE	411707968	7.26	11249	0.045	-0.009	0.052	0.084	299.509933	40.926839	-247.17	1232.26
5	GUIDE	413405352	8.35	11247	0.014	-0.199	0.057	0.091	300.290830	41.091941	1701.29	203.84
6	GUIDE	413418680	9.30	11240	0.031	0.251	0.095	0.154	300.860298	40.740057	1969.28	-1779.00
7	GUIDE	413421016	8.71	11246	-0.165	0.114	0.068	0.110	300.612426	40.446254	752.82	-2092.30

2.4 Star Slots

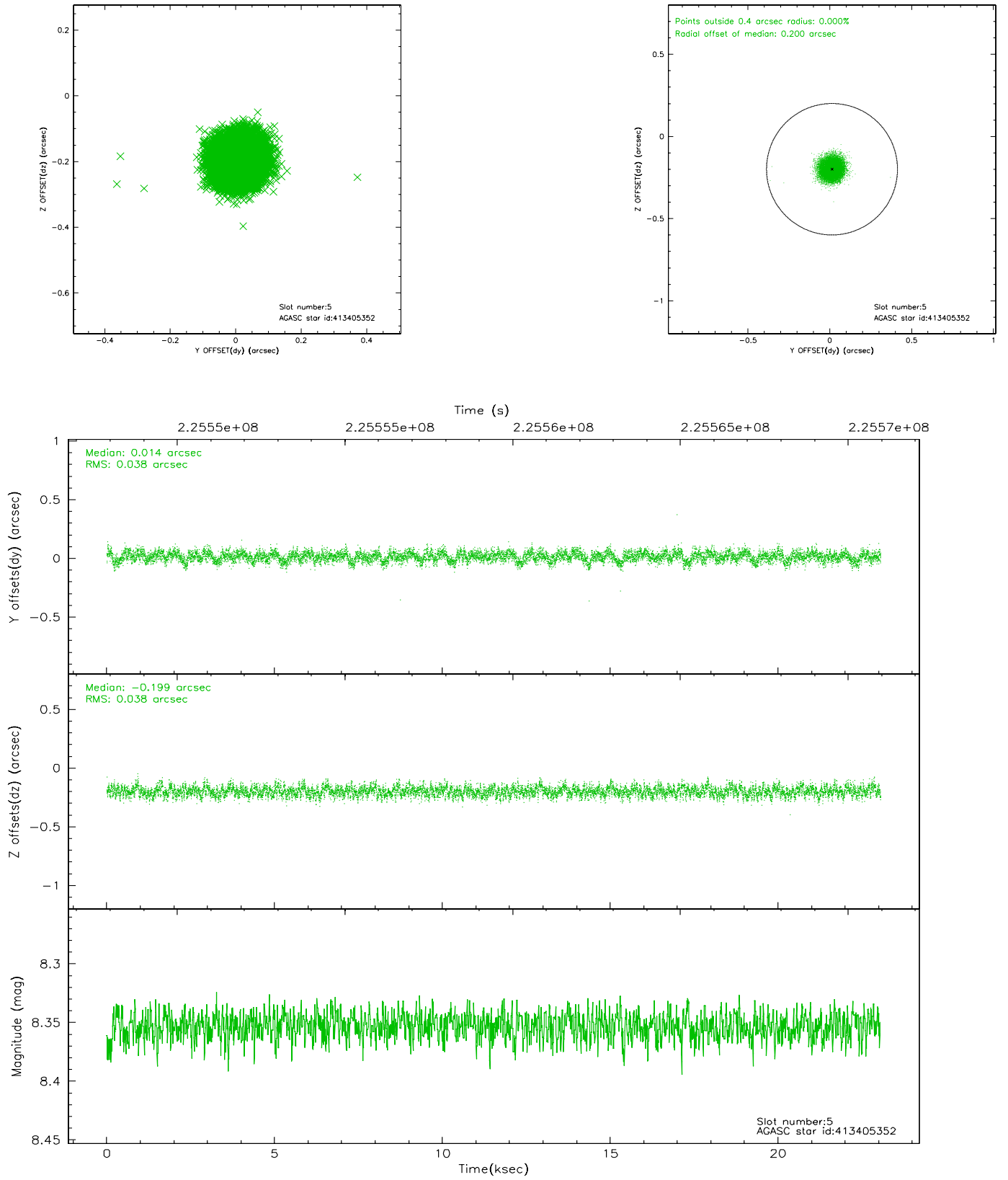
2.4.1 Slot 3



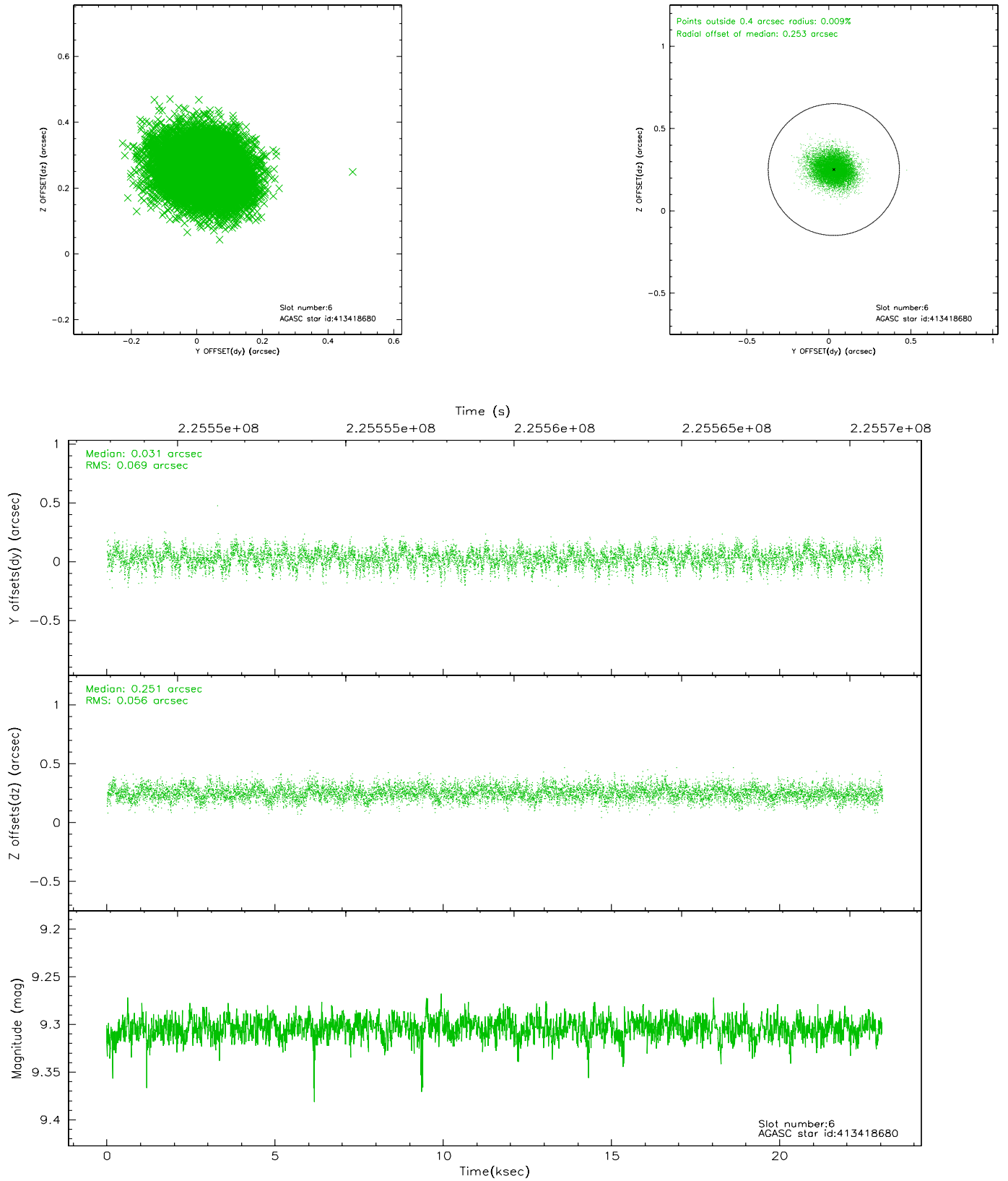
2.4.2 Slot 4



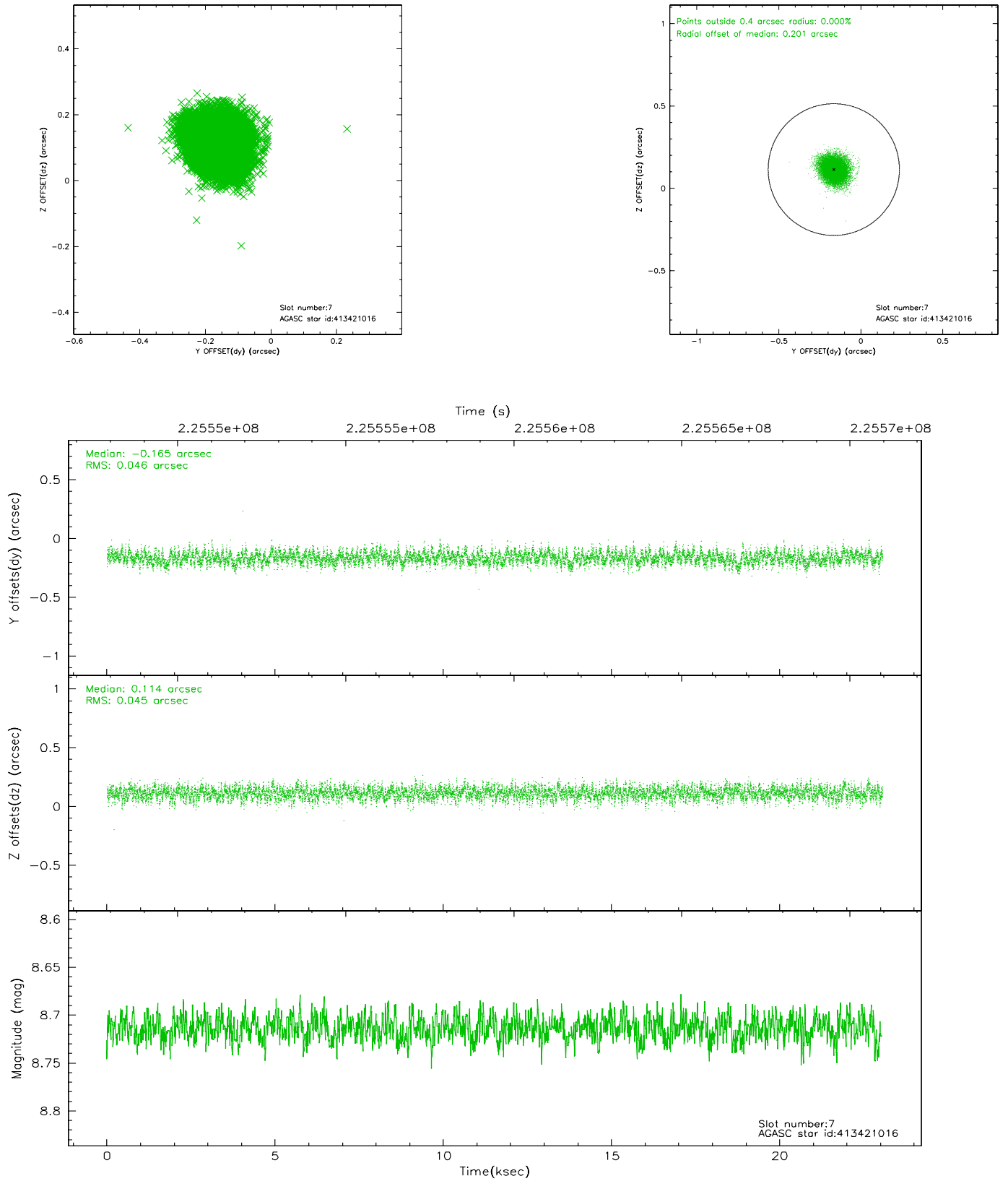
2.4.3 Slot 5



2.4.4 Slot 6

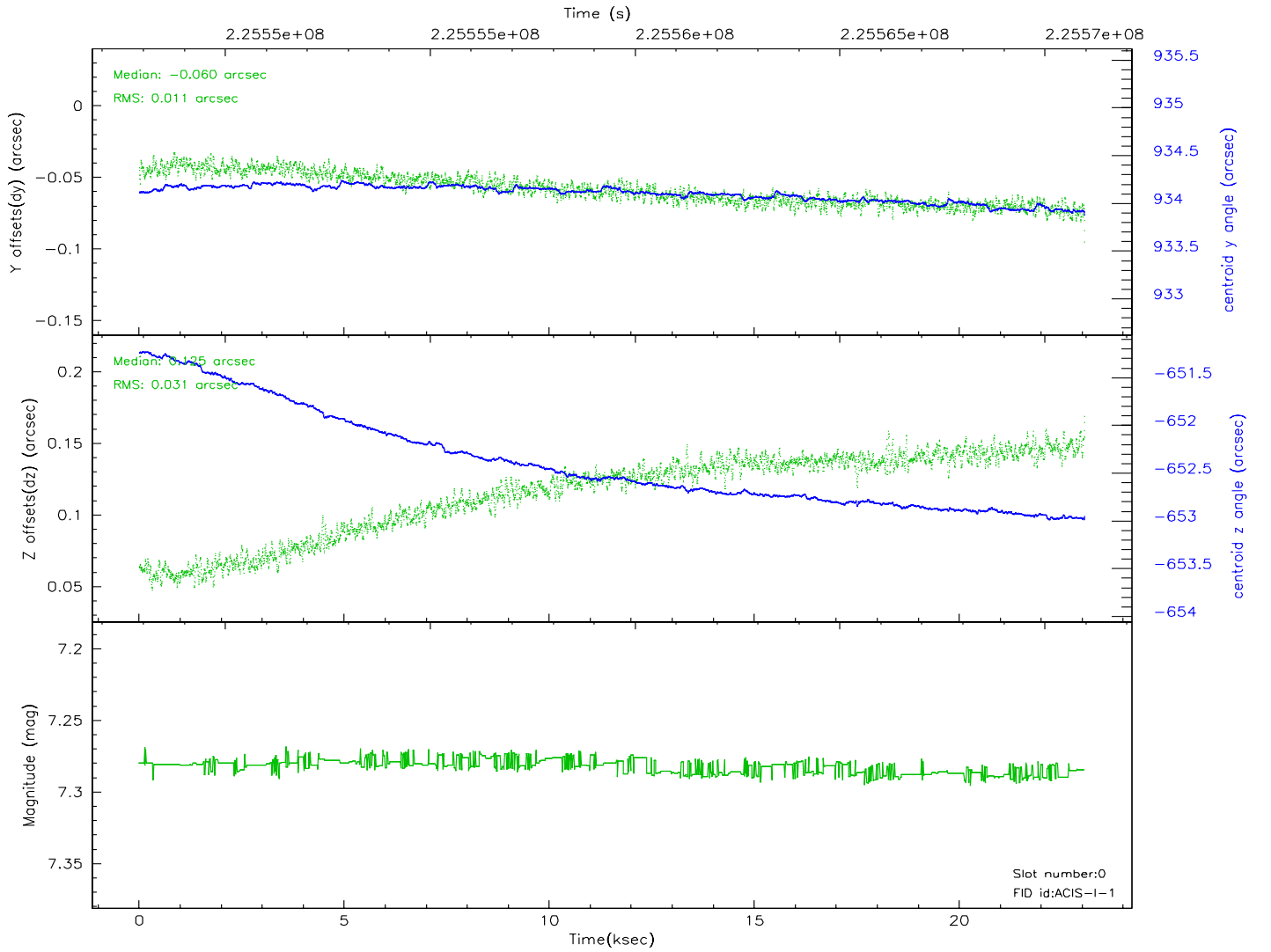
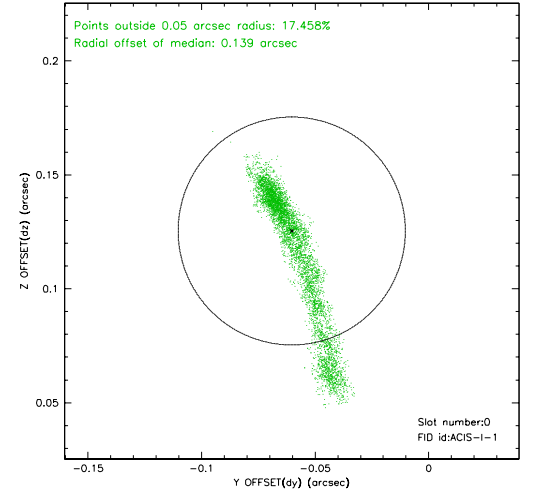
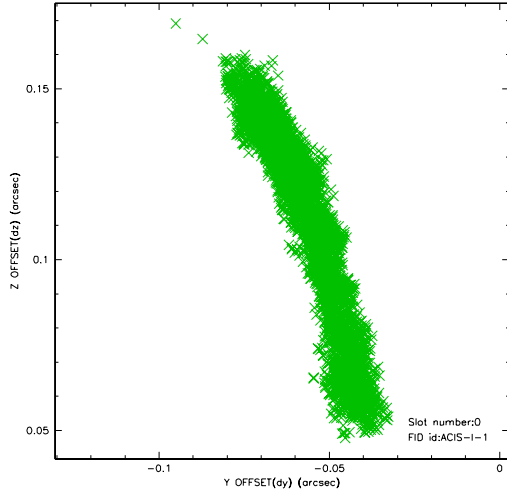


2.4.5 Slot 7

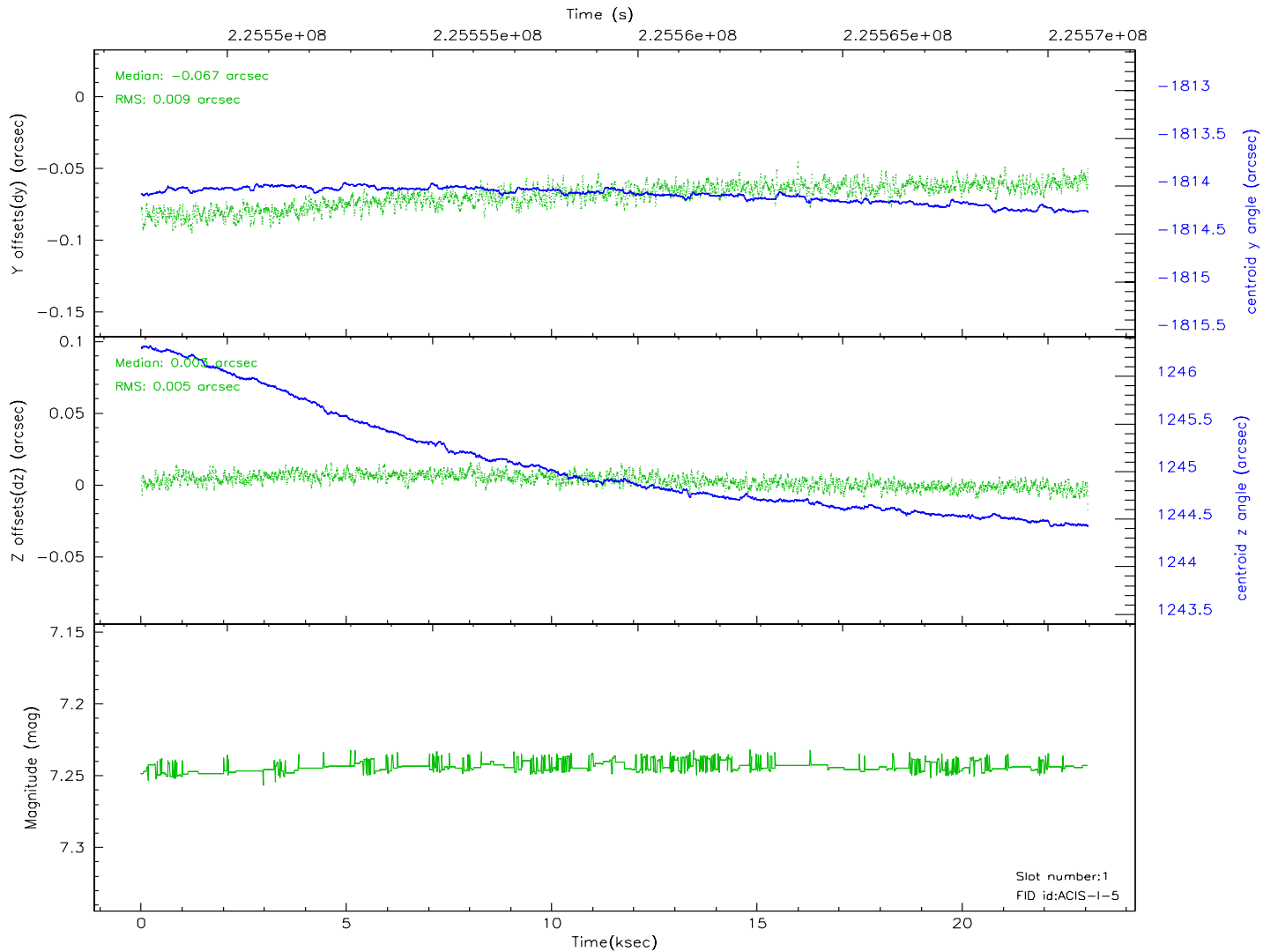
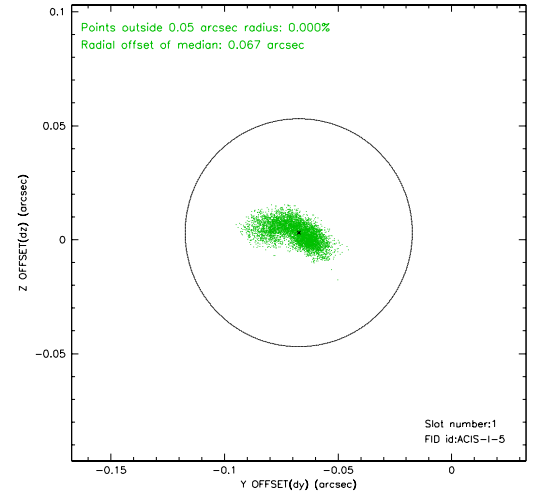
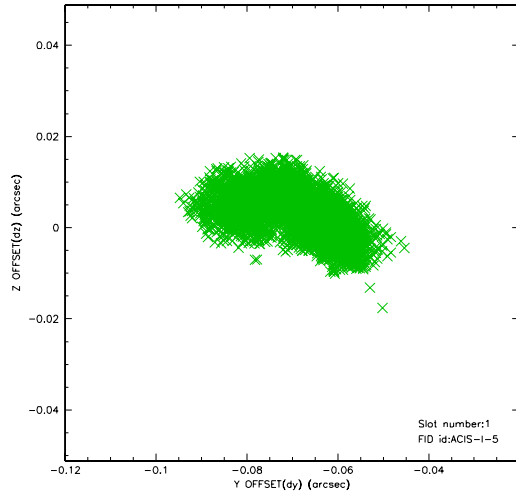


2.5 FID Slots

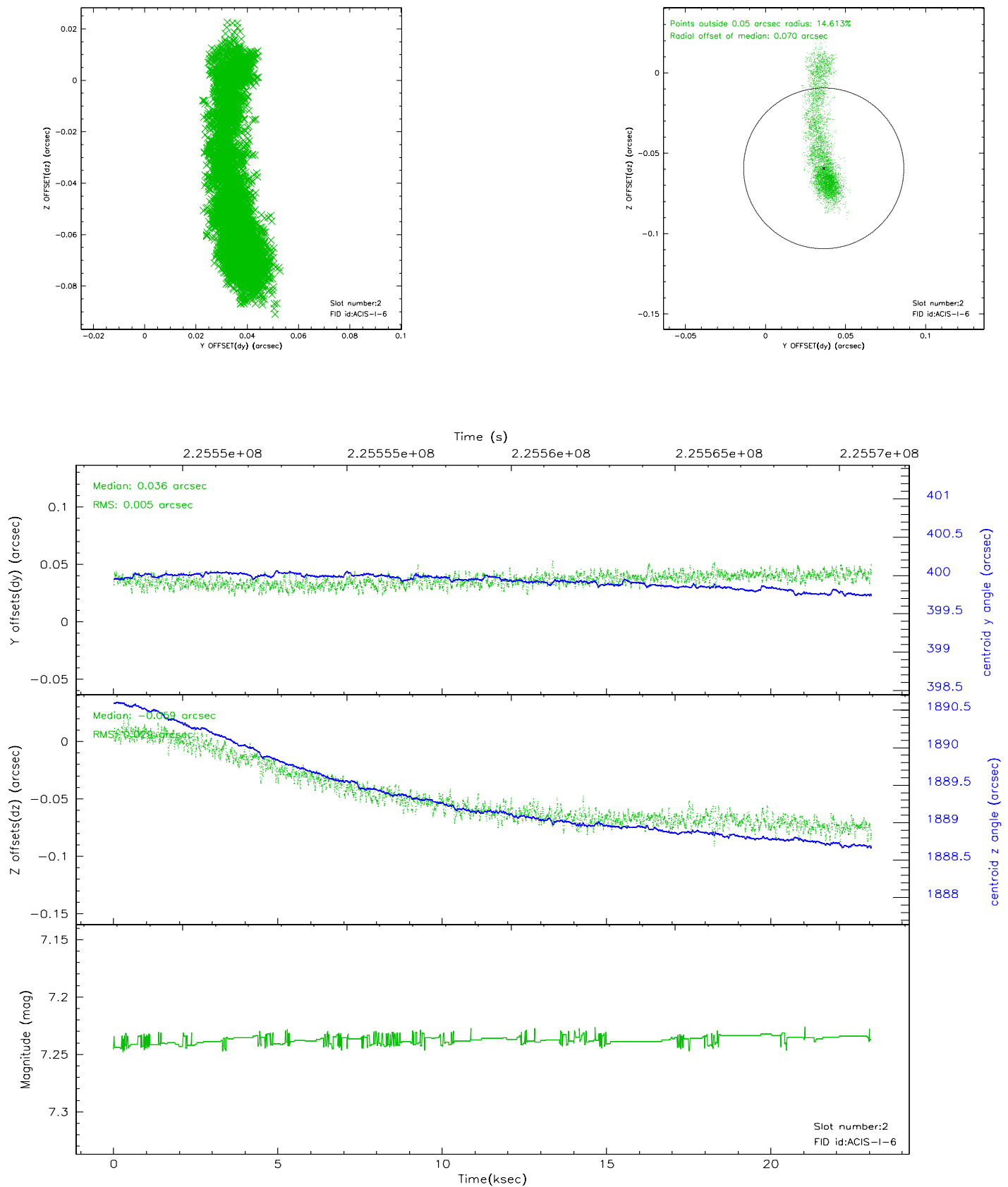
2.5.1 Slot 0



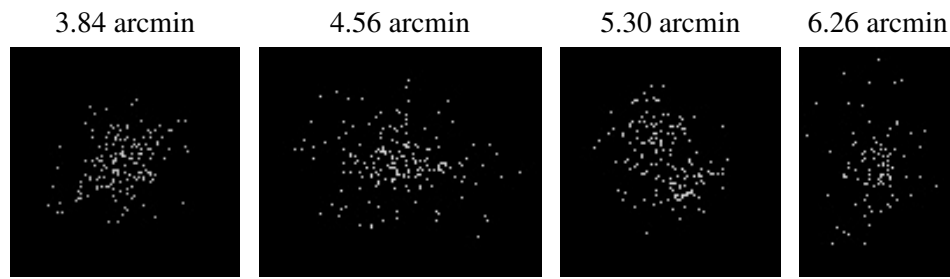
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.05469

A.2 Comments