

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5831 - L2 Version 002
Chandra X-Ray Center

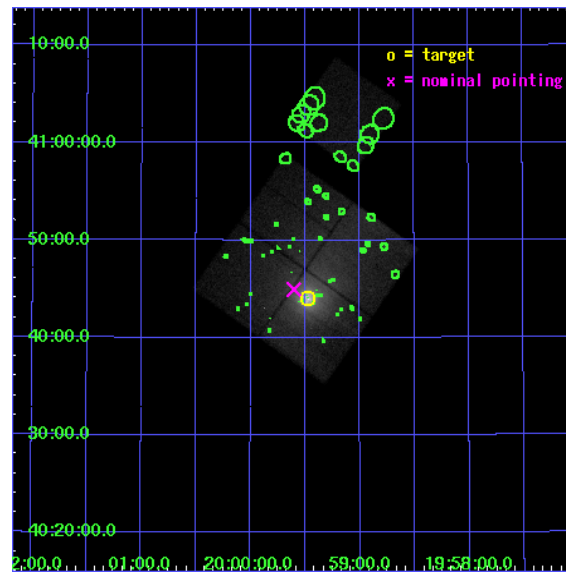
L2 Processing Date: Feb 23 2006

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1 Front

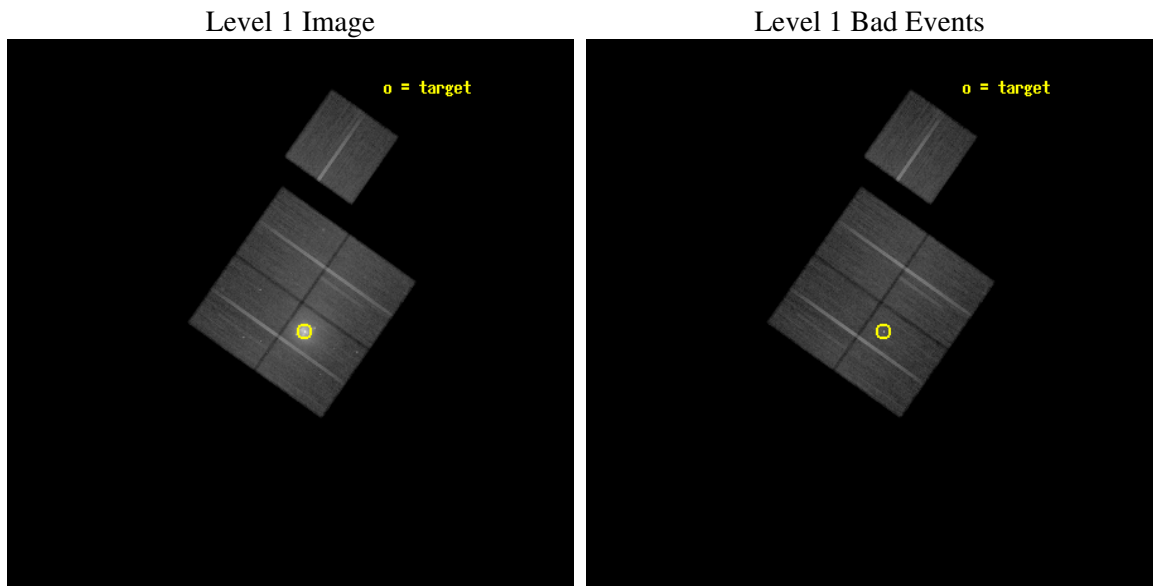
seq_num	800540
obs_id	5831
title	Cygnus A --- Shock Heating of the Intra-Cluster Medium
observer	Dr Andrew Young
object	Cygnus A
dtcycle	0
cycle	P
ra_targ	299.867917
dec_targ	40.733889
ra_nom	299.9009243864
dec_nom	40.749195068379
roll_nom	35.187147333434
revision	2
ontime	51769.876999676
livetime	51093.465444246
ontime0	51773.017939985
ontime1	51769.876999676
ontime2	51773.017969936
ontime3	51763.528981566
ontime6	51779.299900442
l2events	471464



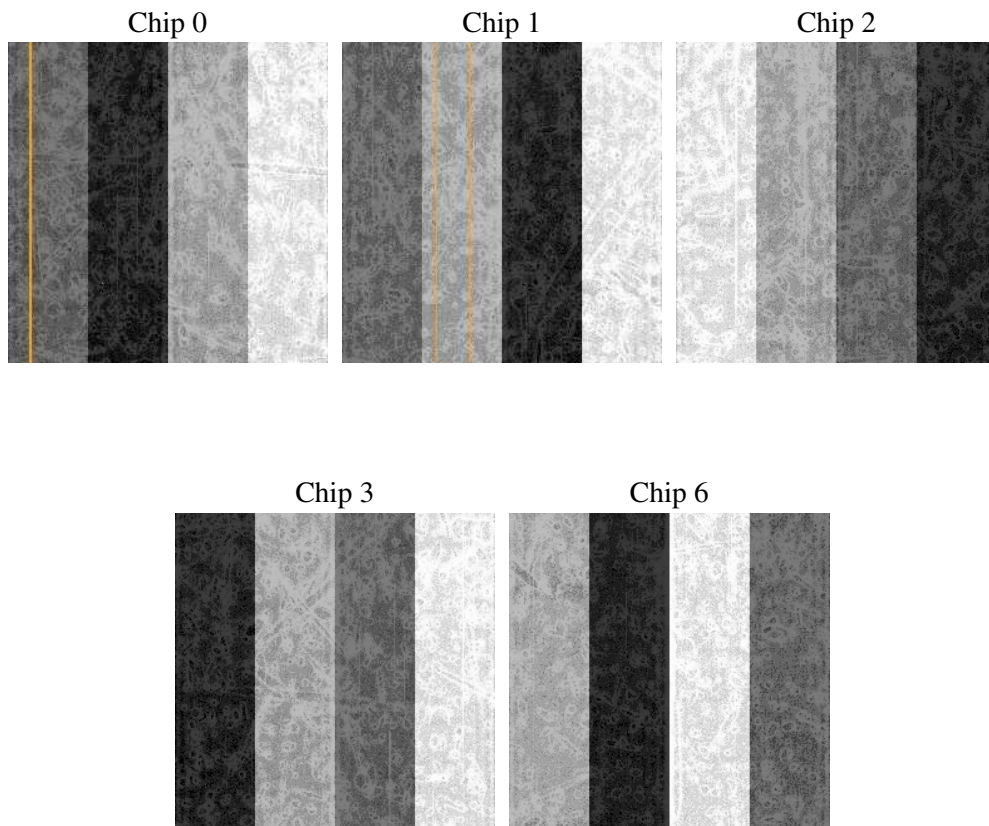
2 OBI

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	2006-02-23T22:29:51
revision	2

sched_exp_time	52000.000000
ontime	51773.147462368
ontime0	51776.288402677
ontime1	51773.147462368
ontime2	51776.288452536
ontime3	51763.724571496
ontime6	51782.570363134
l1events	1897511

2.1.4 Events

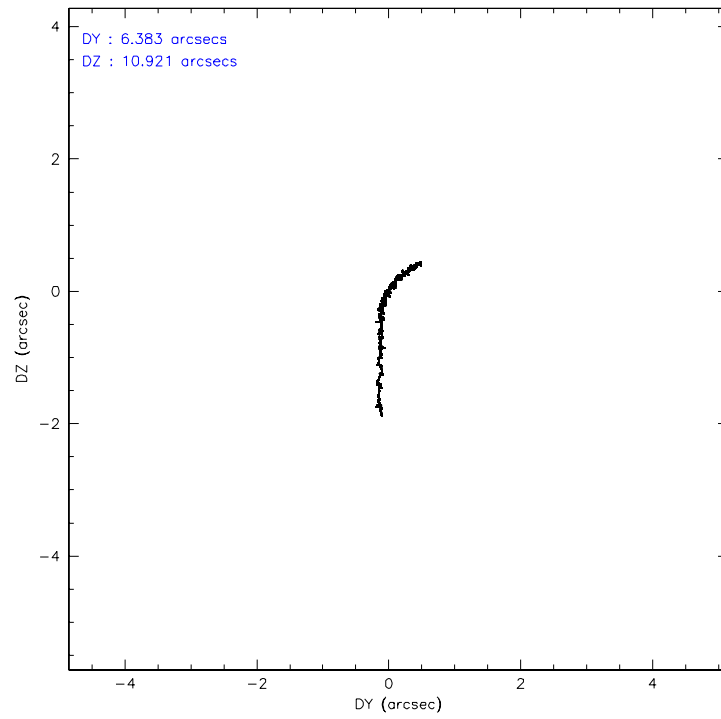
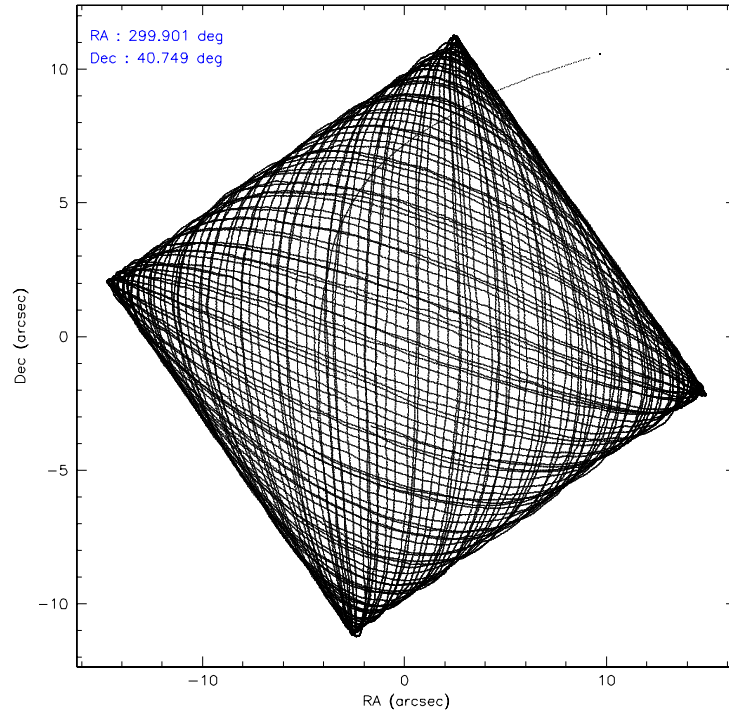
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	318439	541379	350589	374684	312420
rejected events	256492	269962	290840	286750	276137
rejected %	80%	49%	82%	76%	88%

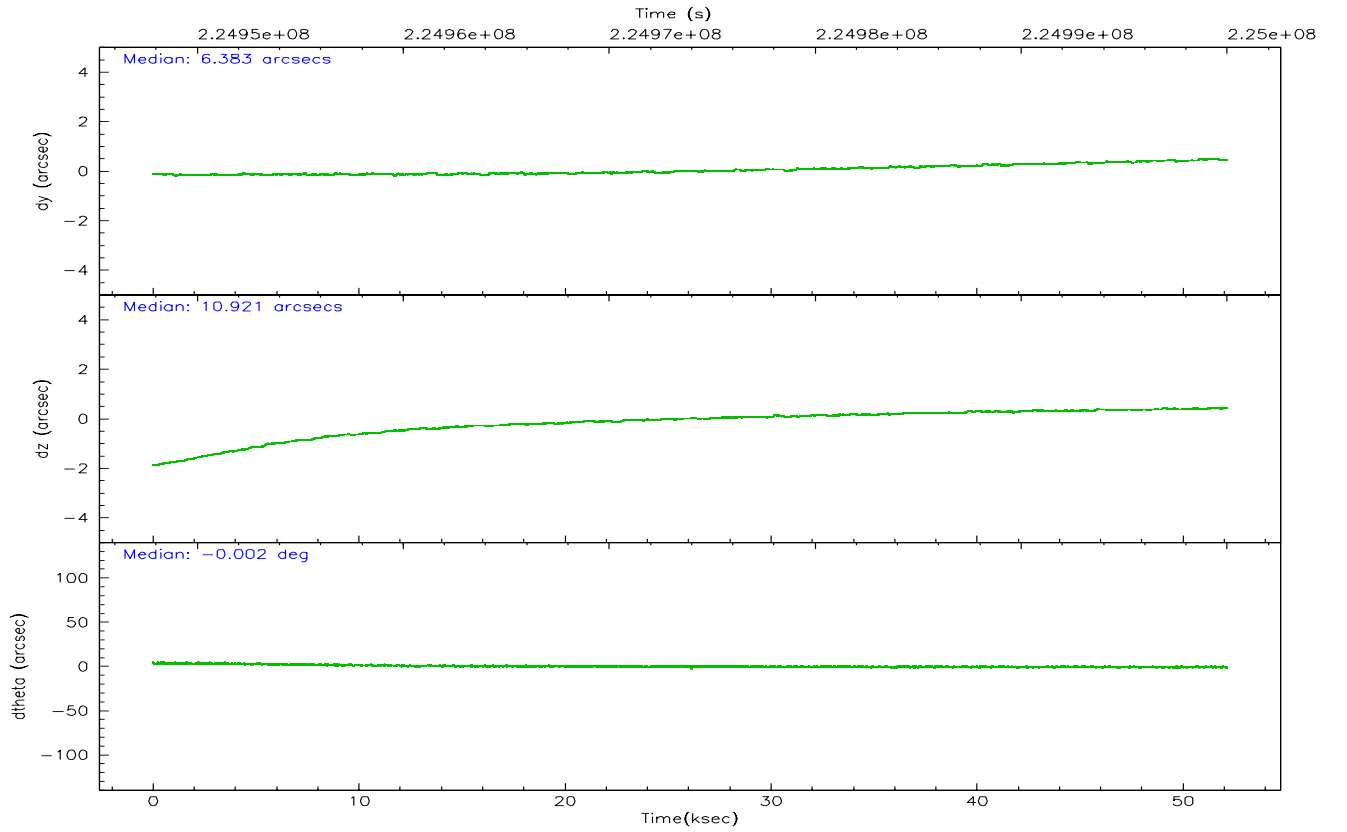
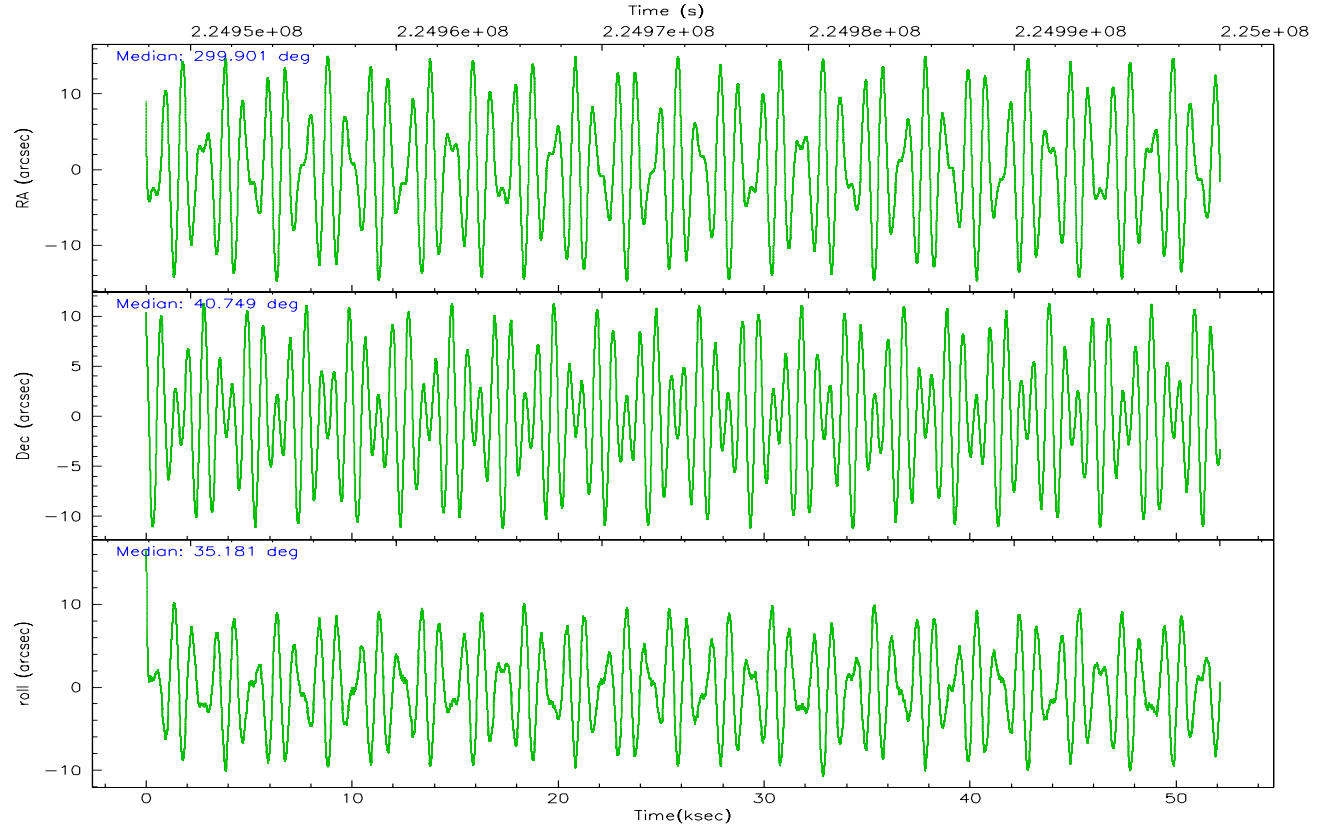
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	35242	197007	34238	56698	14728
	11%	36%	9%	15%	4%
grade 1 events	275	1688	311	387	146
	0%	0%	0%	0%	0%
grade 2 events	10651	34485	10219	12712	7231
	3%	6%	2%	3%	2%
grade 3 events	4646	12103	4414	5407	3756
	1%	2%	1%	1%	1%
grade 4 events	4438	12123	4381	5458	3655
	1%	2%	1%	1%	1%
grade 5 events	11401	13583	10684	12831	12392
	3%	2%	3%	3%	3%
grade 6 events	6973	15718	6501	7659	6916
	2%	2%	1%	2%	2%
grade 7 events	244813	254672	279841	273532	263596
	76%	47%	79%	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	299.885900	299.9009243864011	Alternating exposures requested	N	N
Pointing Dec	40.724309	40.74919506837944	Primary exposure time	0.000000	3.1
Pointing Roll	34.988265	35.18714733343437			
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	224947997.184000	224946073.61859			
Observation start date	2005-02-16T13:32:13	2005-02-16T13:01:13			
Observation end time	224999997.184000	225001050.00858			
Observation end date	2005-02-17T03:58:53	2005-02-17T04:17:30			
Read mode	TIMED	TIMED			

2.3 Aspect



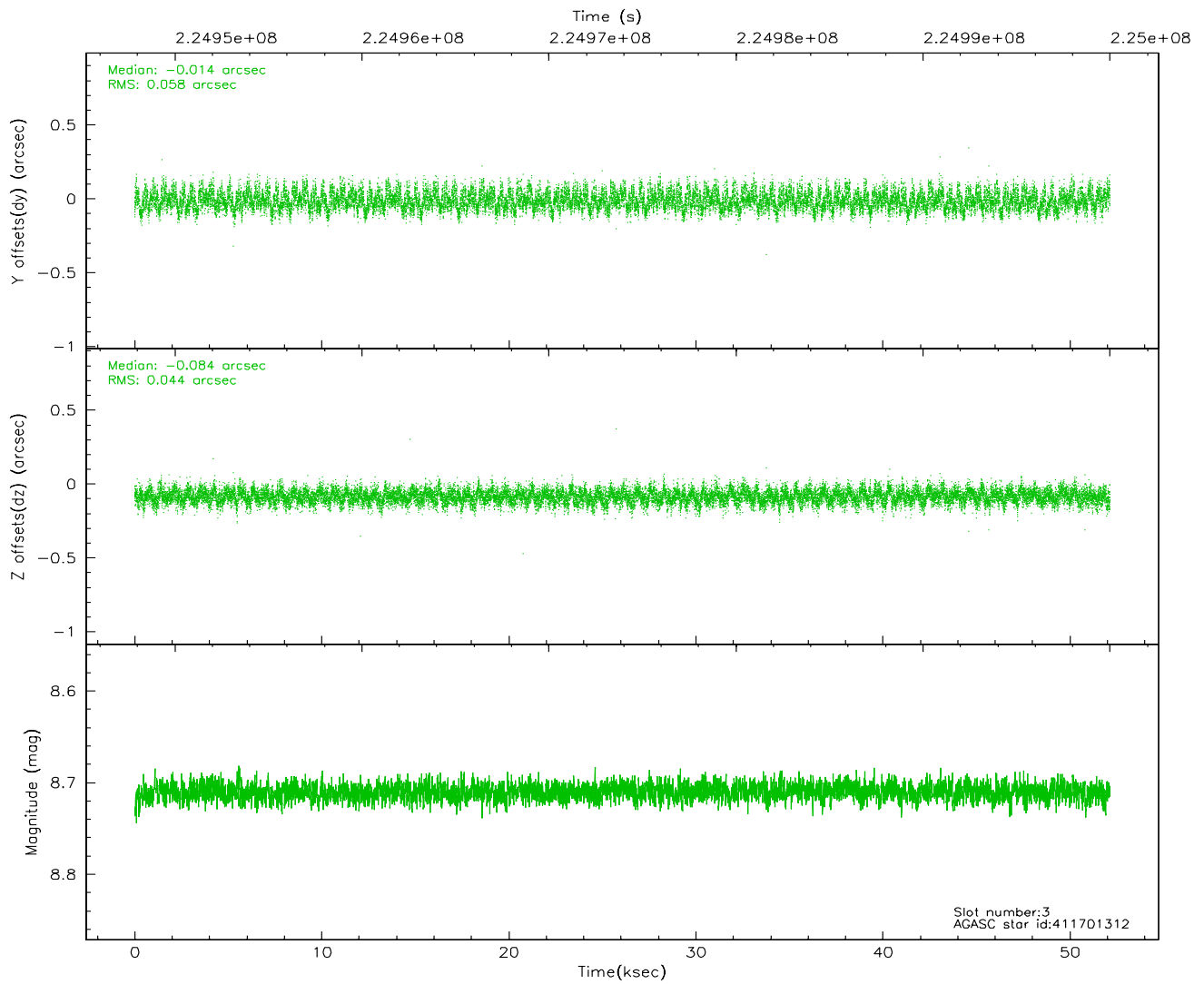
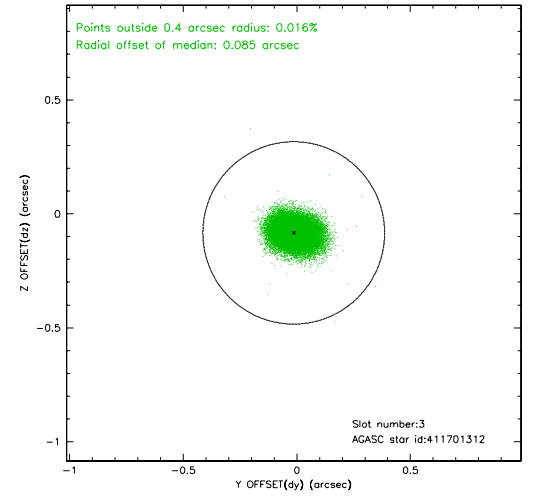
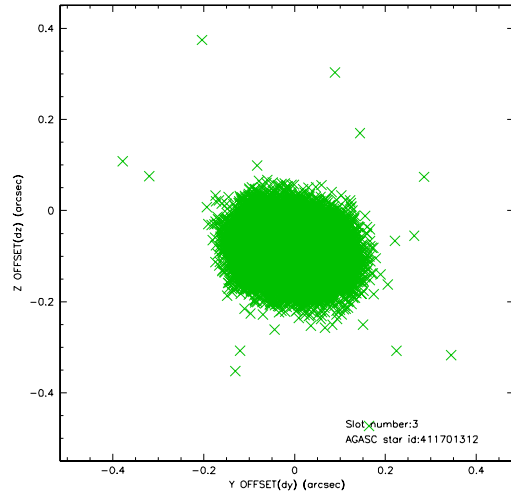


Slot Statistics

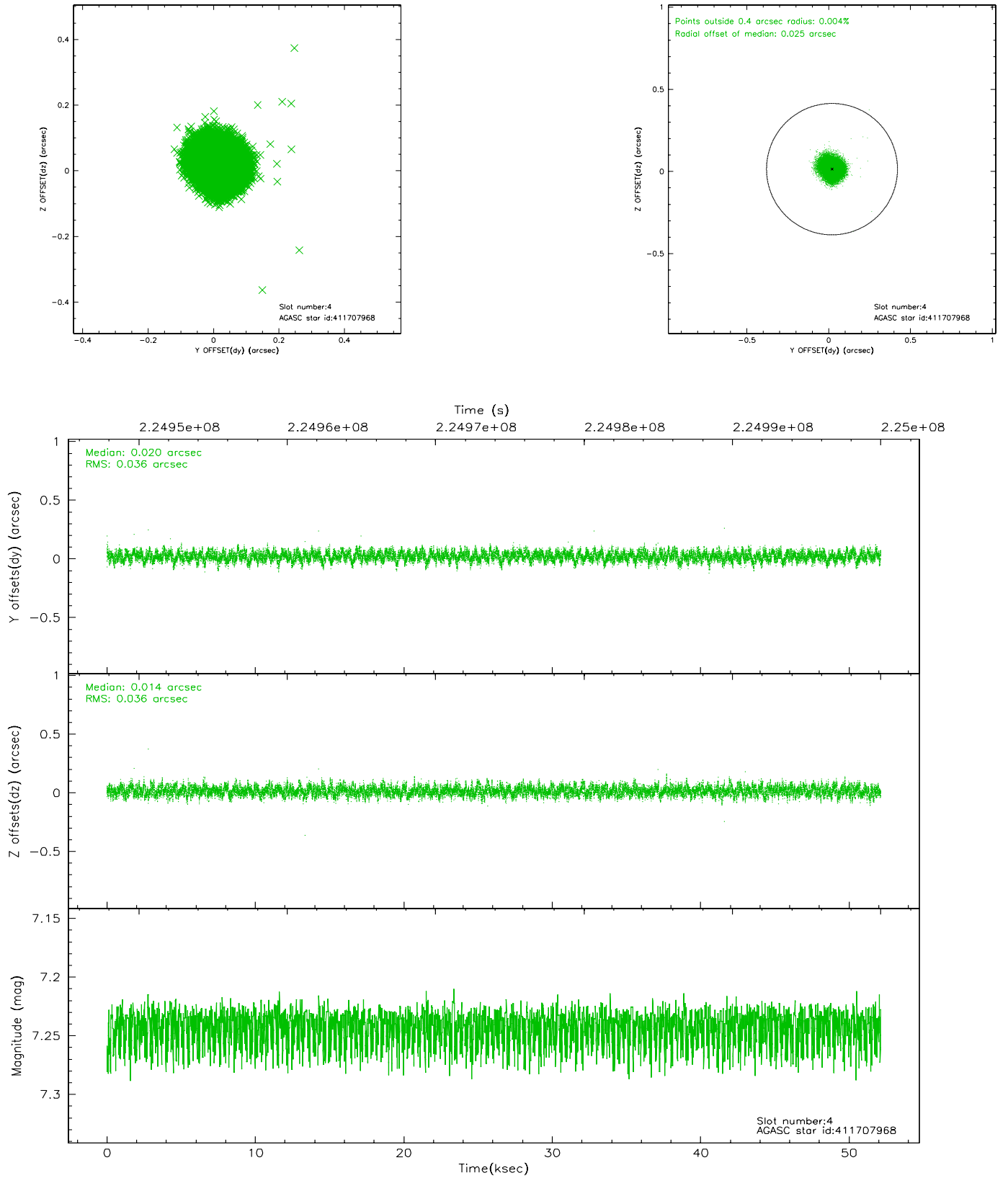
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.28	12716	-0.074	0.145	0.014	0.079	0.000000	0.000000	933.35	-653.12
1	FID	ACIS-I-5	7.24	12719	-0.065	-0.006	0.009	0.024	0.000000	0.000000	-1814.78	1244.25
2	FID	ACIS-I-6	7.24	12719	0.047	-0.068	0.012	0.062	0.000000	0.000000	399.03	1888.67
3	GUIDE	411701312	8.71	25431	-0.014	-0.084	0.078	0.125	298.889956	40.820220	-2016.04	1851.28
4	GUIDE	411707968	7.24	25436	0.020	0.014	0.055	0.086	299.509933	40.926839	-418.36	1185.80
5	GUIDE	413421016	8.71	25431	-0.089	0.120	0.067	0.111	300.612426	40.446254	1061.69	-1954.23
6	GUIDE	413405352	8.36	25363	0.049	-0.136	0.065	0.102	300.290830	41.091941	1660.69	456.52
7	GUIDE	413421624	8.72	25425	0.034	0.081	0.082	0.136	300.399768	40.893051	1496.76	-300.36

2.4 Star Slots

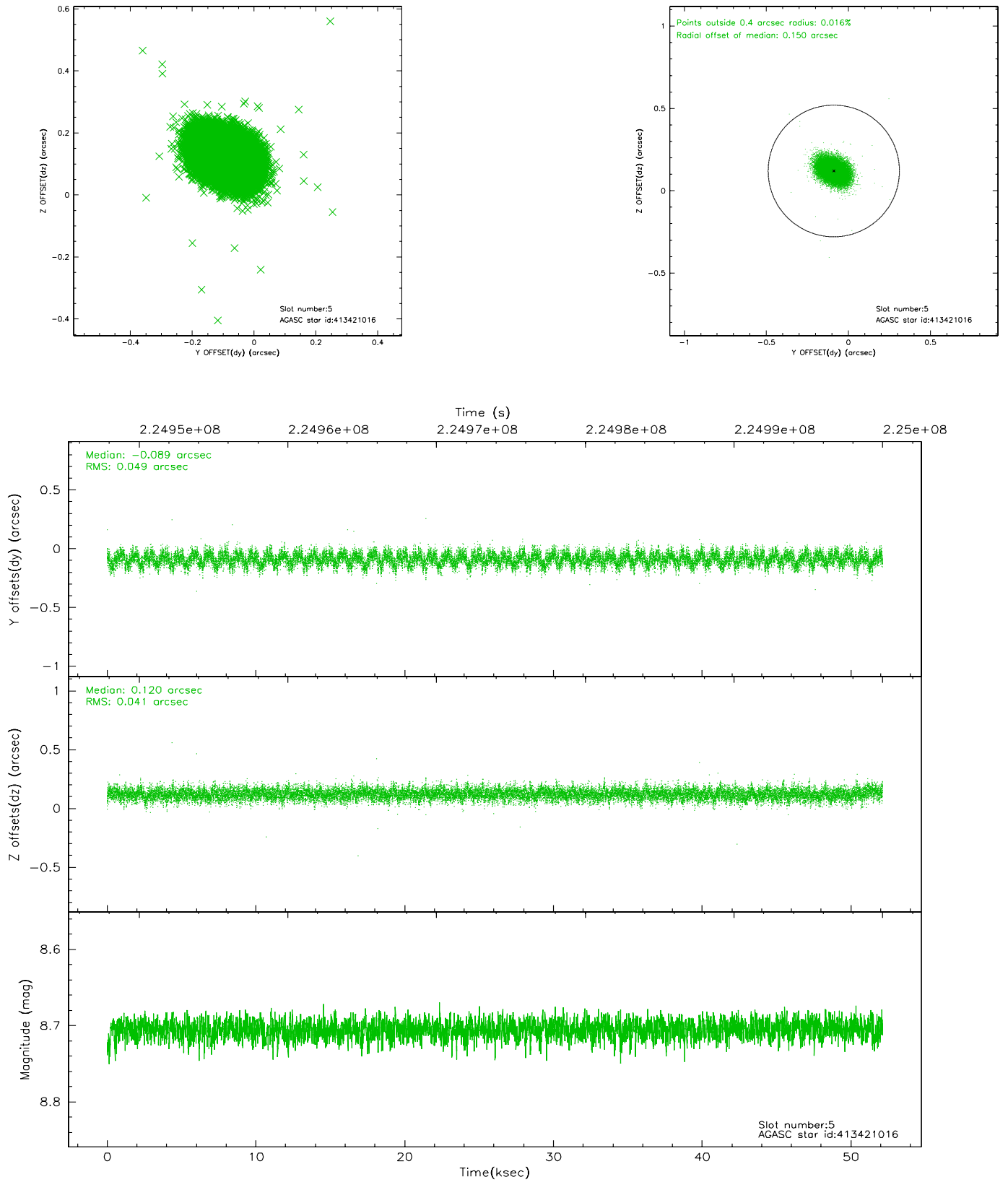
2.4.1 Slot 3



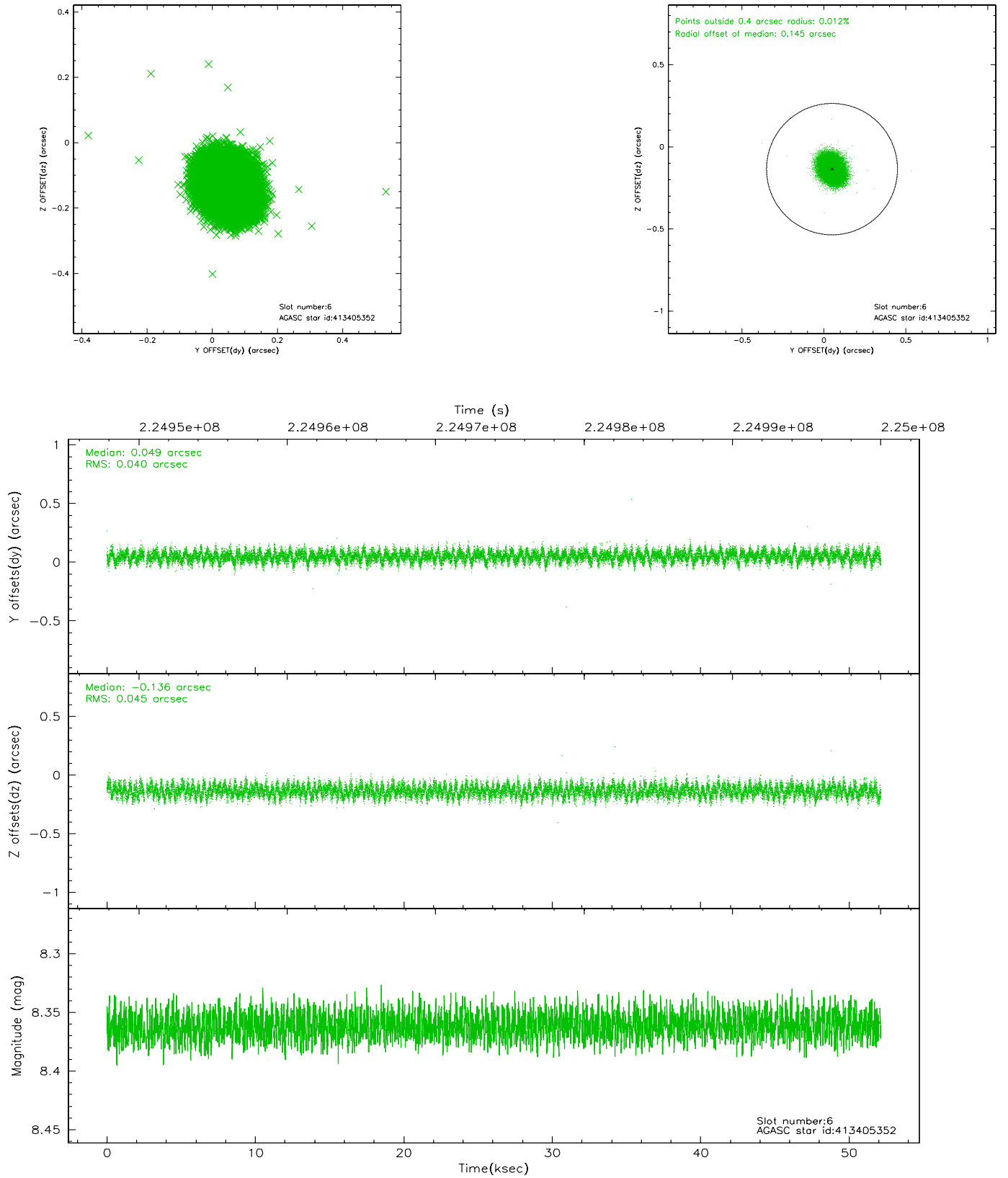
2.4.2 Slot 4



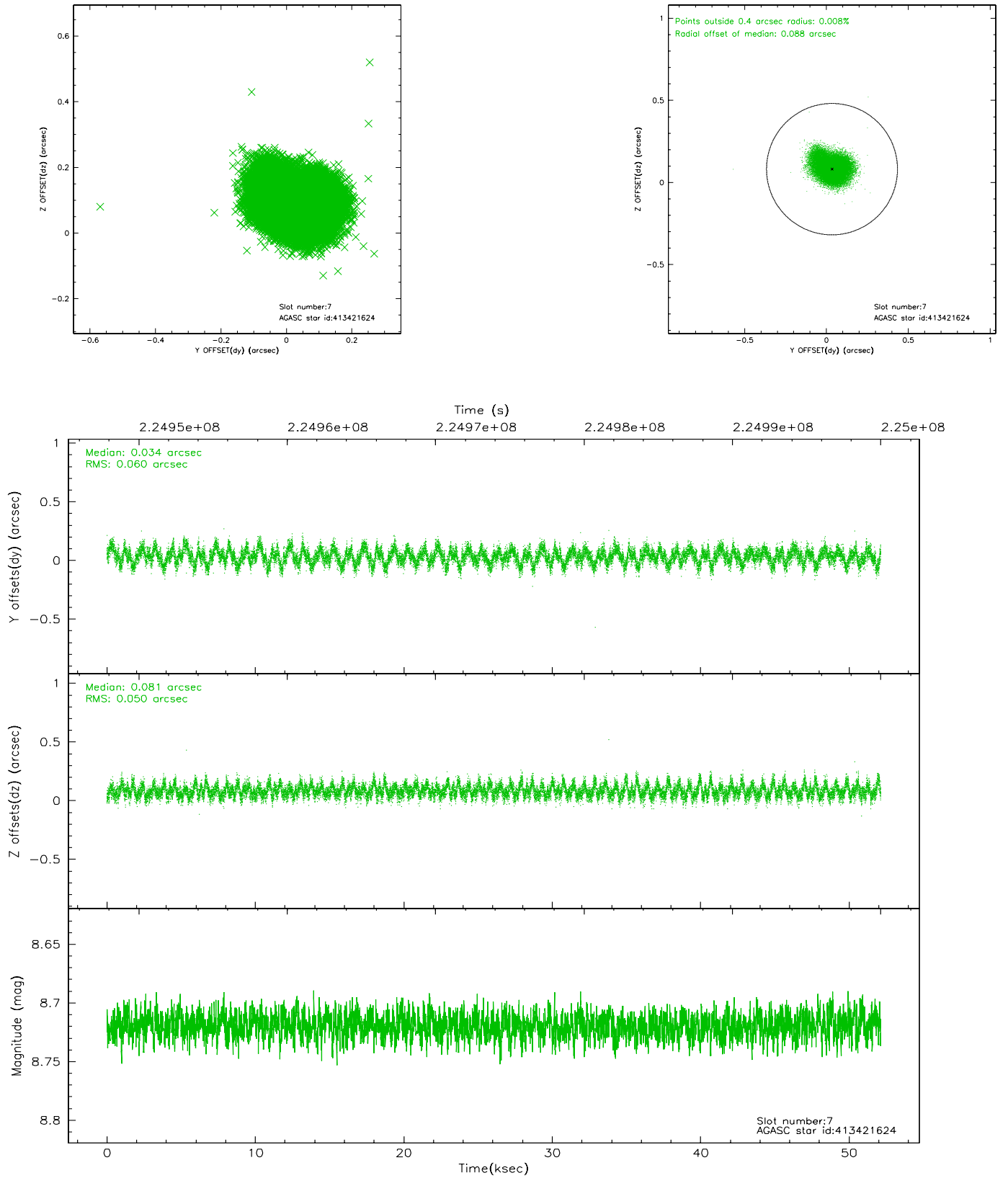
2.4.3 Slot 5



2.4.4 Slot 6

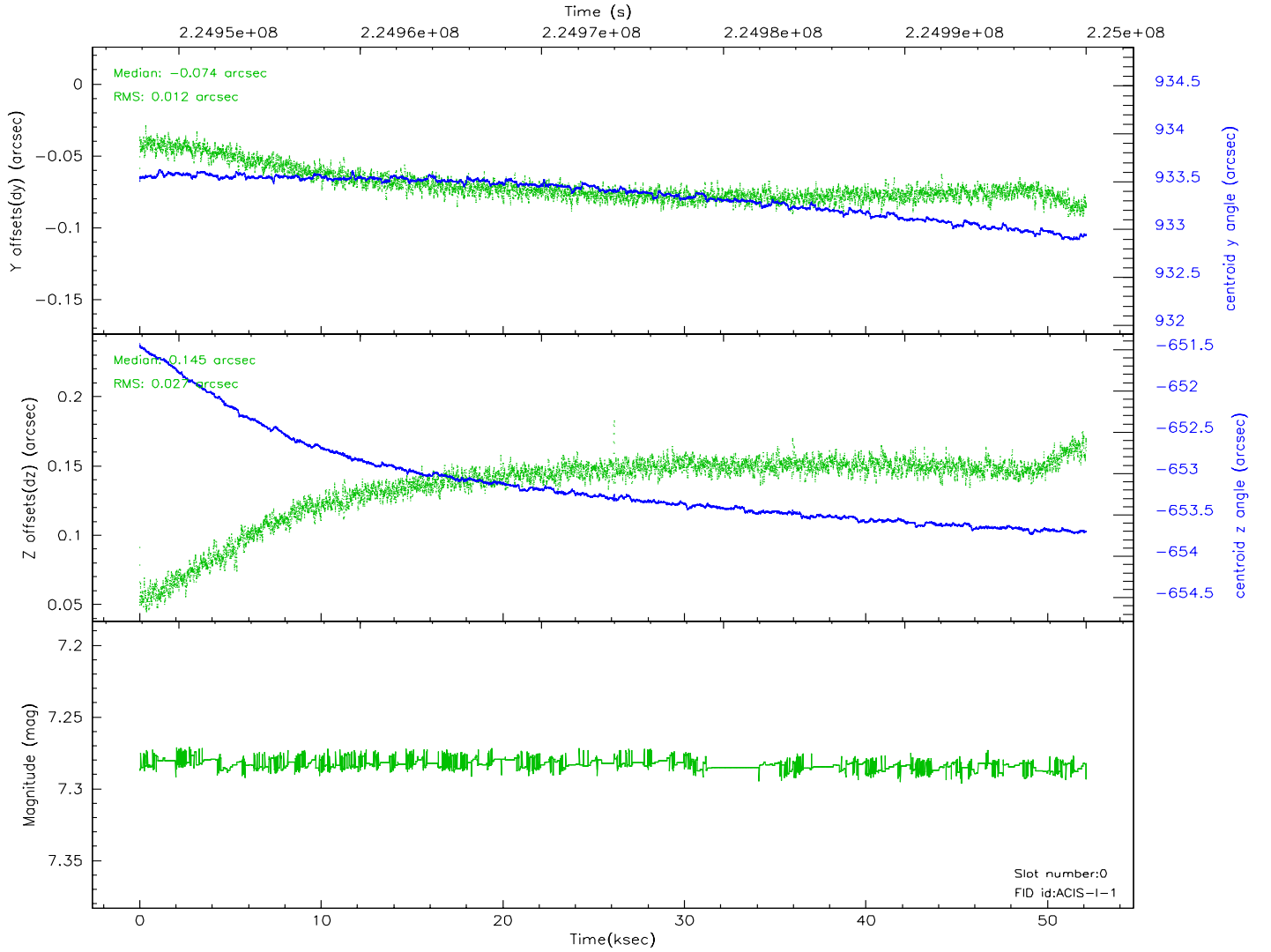
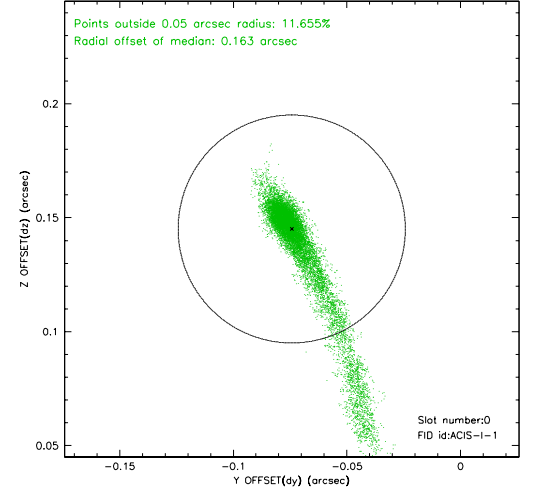
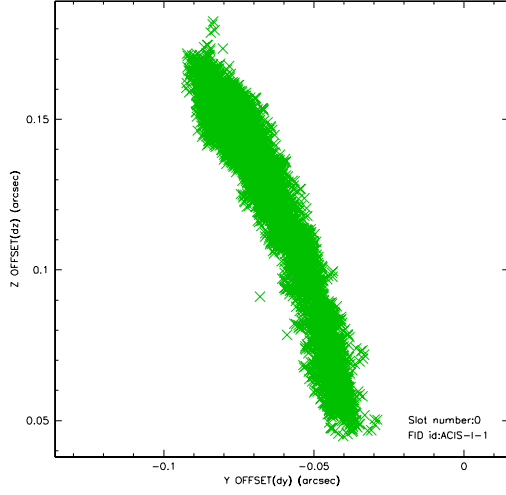


2.4.5 Slot 7

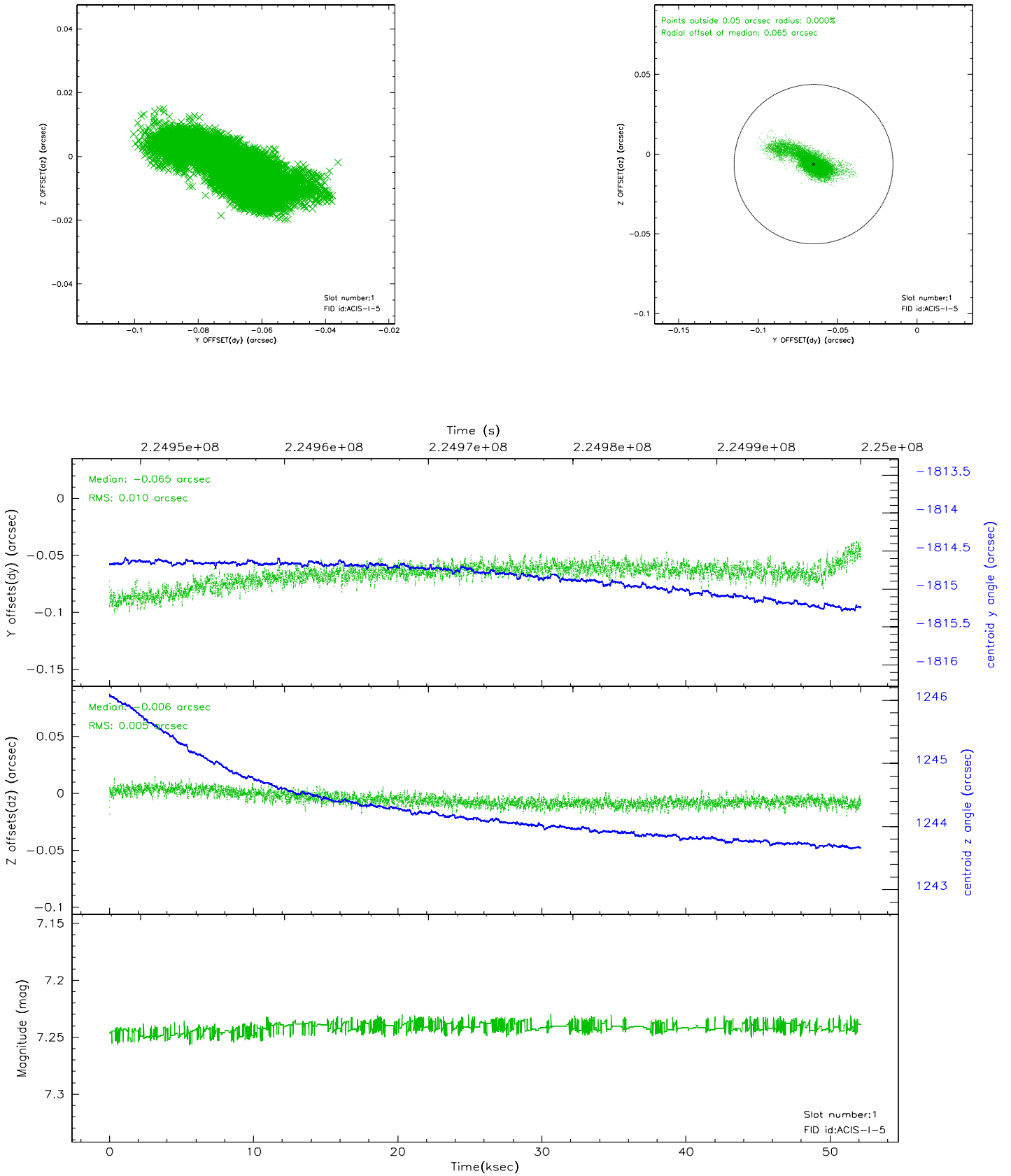


2.5 FID Slots

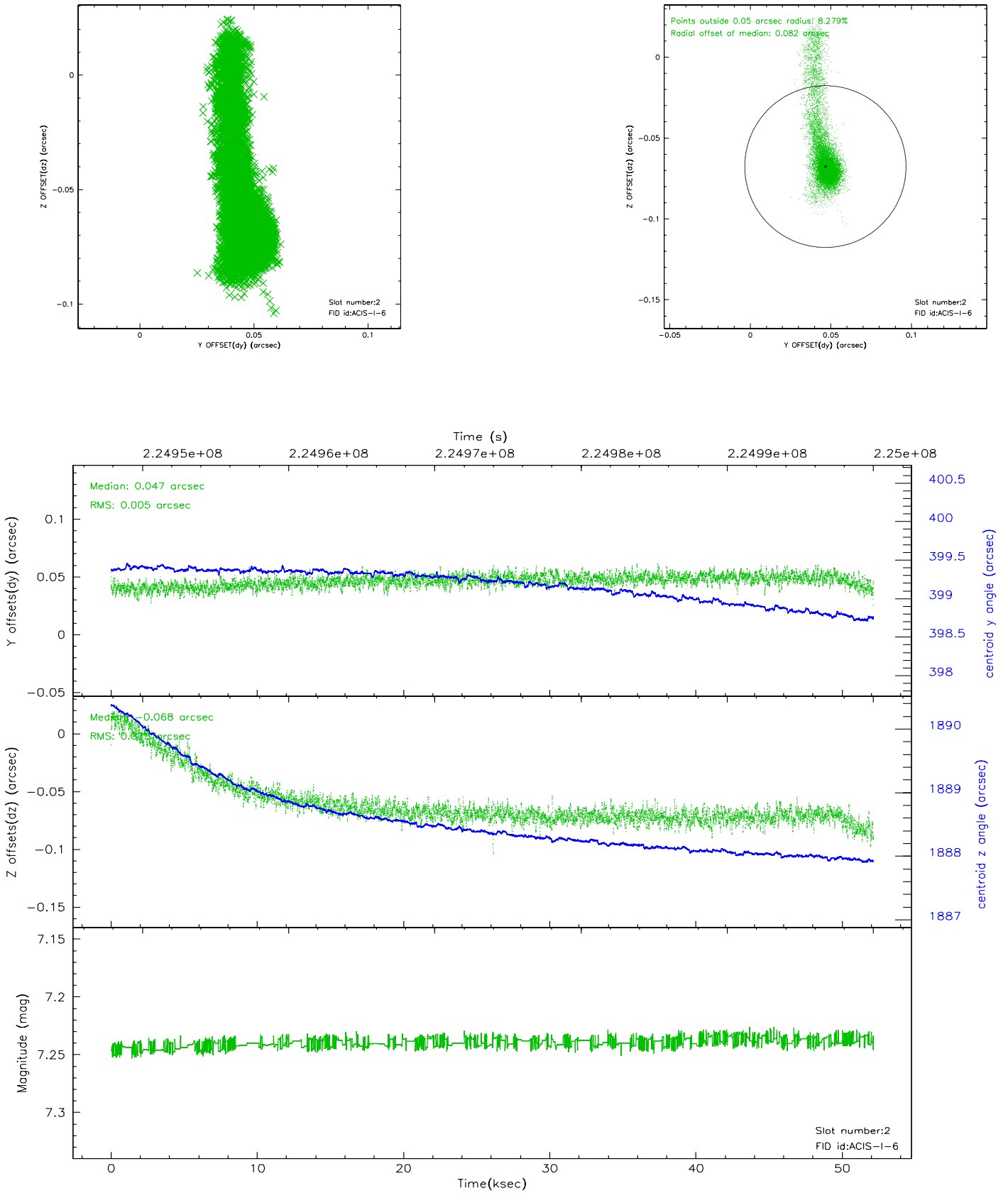
2.5.1 Slot 0



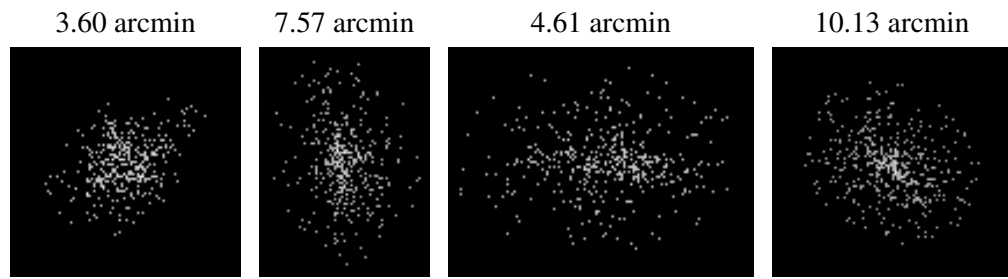
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	51.76987

A.2 Comments