

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6252 - L2 Version 002
Chandra X-Ray Center

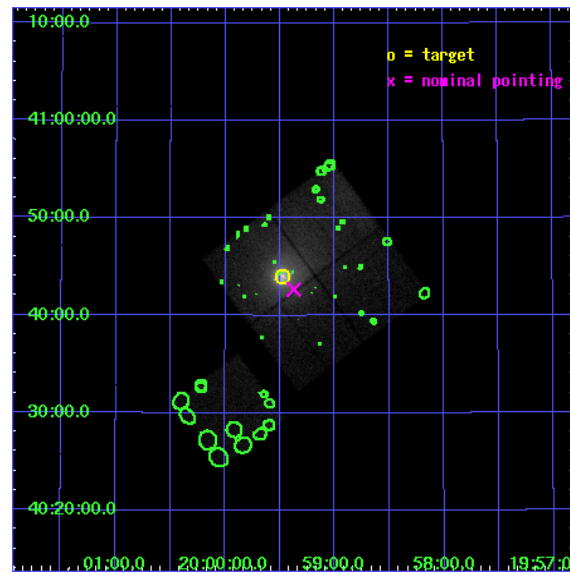
L2 Processing Date : Mar 23 2006

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1 Front

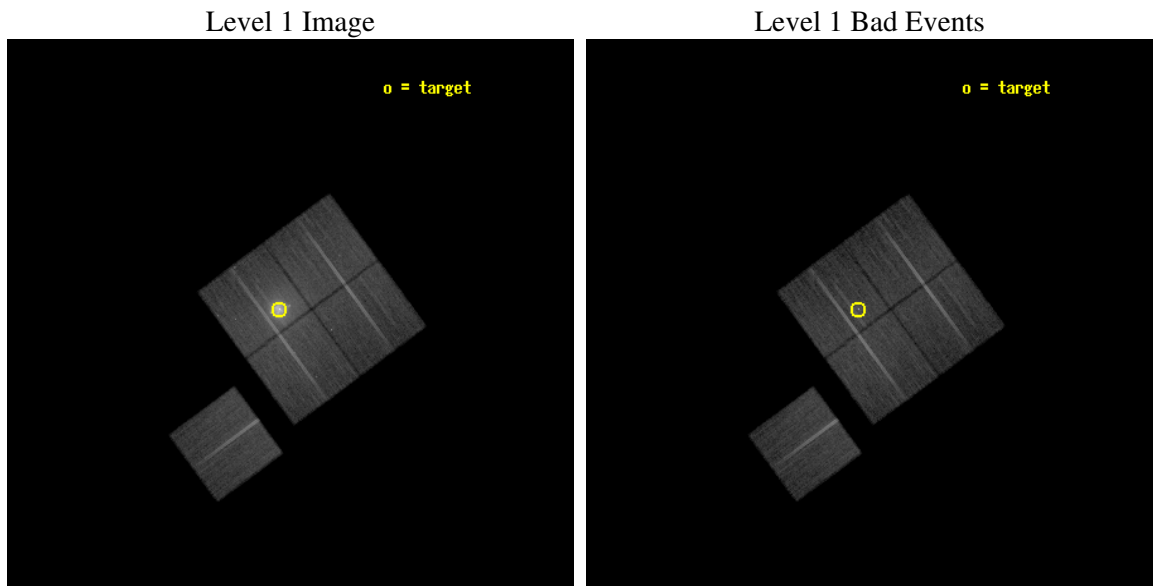
seq_num	800540
obs_id	6252
title	Cygnus A --- Shock Heating of the Intra-Cluster Medium
observer	Dr Andrew Young
object	Cygnus A
dtcycle	0
cycle	P
ra_targ	299.867917
dec_targ	40.733889
ra_nom	299.84299564017
dec_nom	40.711445291103
roll_nom	233.61665403957
revision	2
ontime	30045.158942074
livetime	29652.596821571
ontime0	30045.158971995
ontime1	30048.299942225
ontime2	30042.01806134
ontime3	30045.158942074
ontime6	30048.299942225
l2events	275469



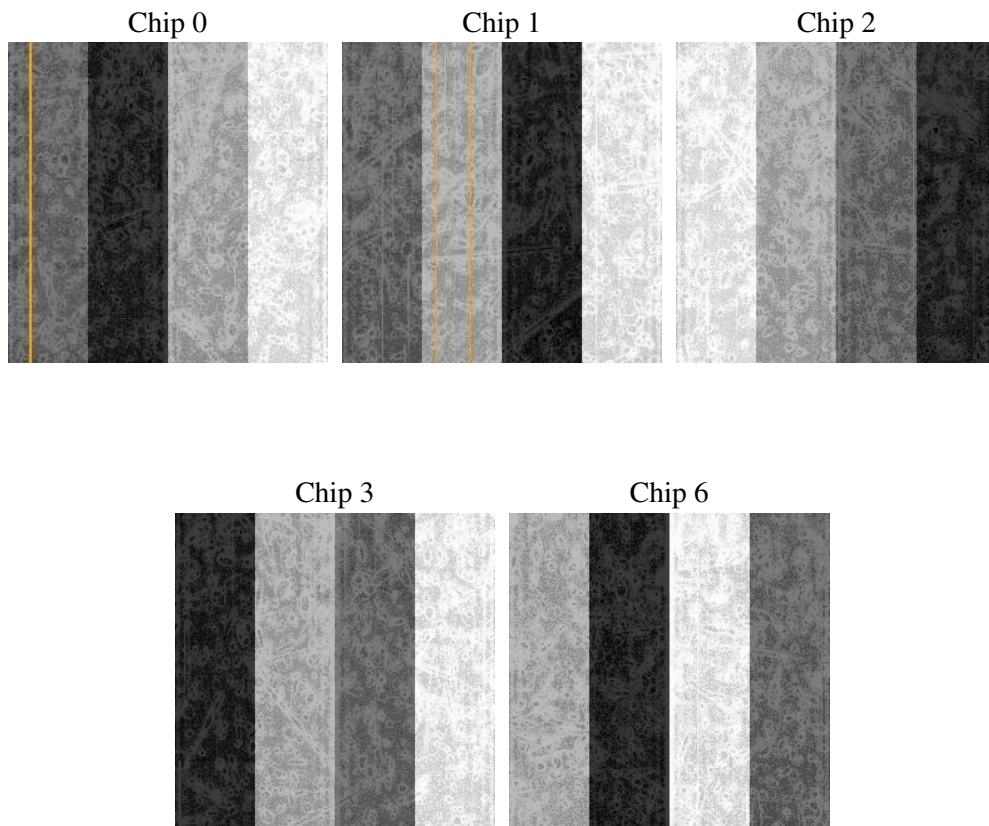
2 OBI

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	2006-03-23T21:33:07
revision	2

sched_exp_time	30000.000000
ontime	30050.036920398
ontime0	30050.03695032
ontime1	30053.17792055
ontime2	30046.896019757
ontime3	30050.036920398
ontime6	30053.17792055
l1events	1140159

2.1.4 Events

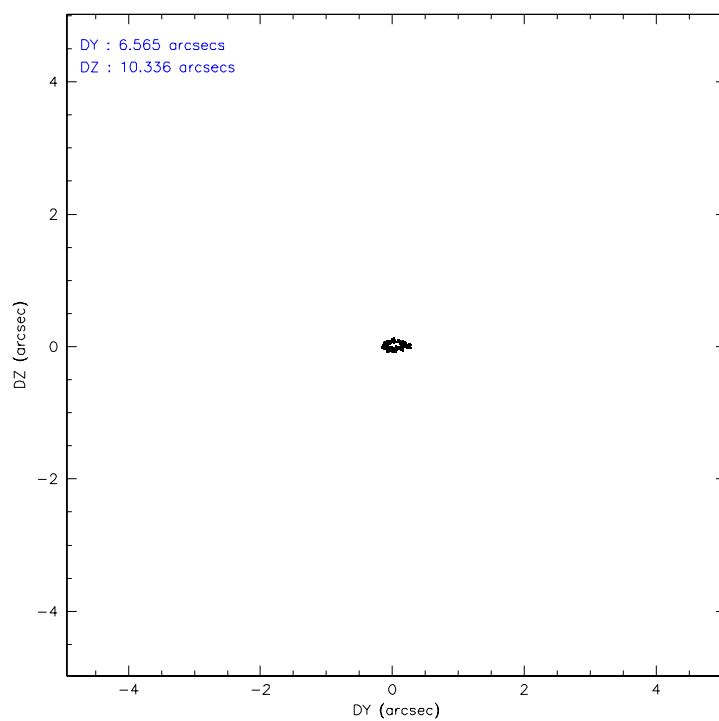
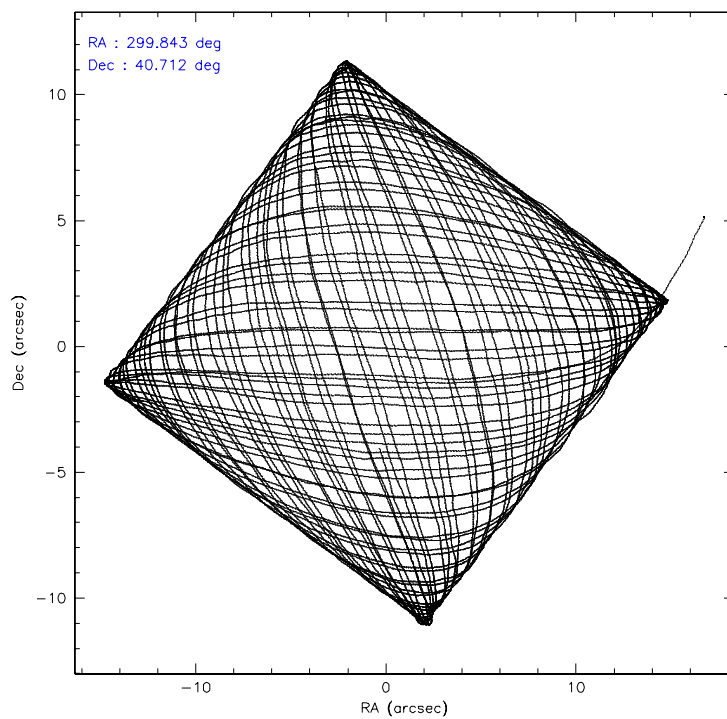
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	183453	212548	216470	336197	191491
rejected events	156038	157304	183766	174638	170175
rejected %	85%	74%	84%	51%	88%

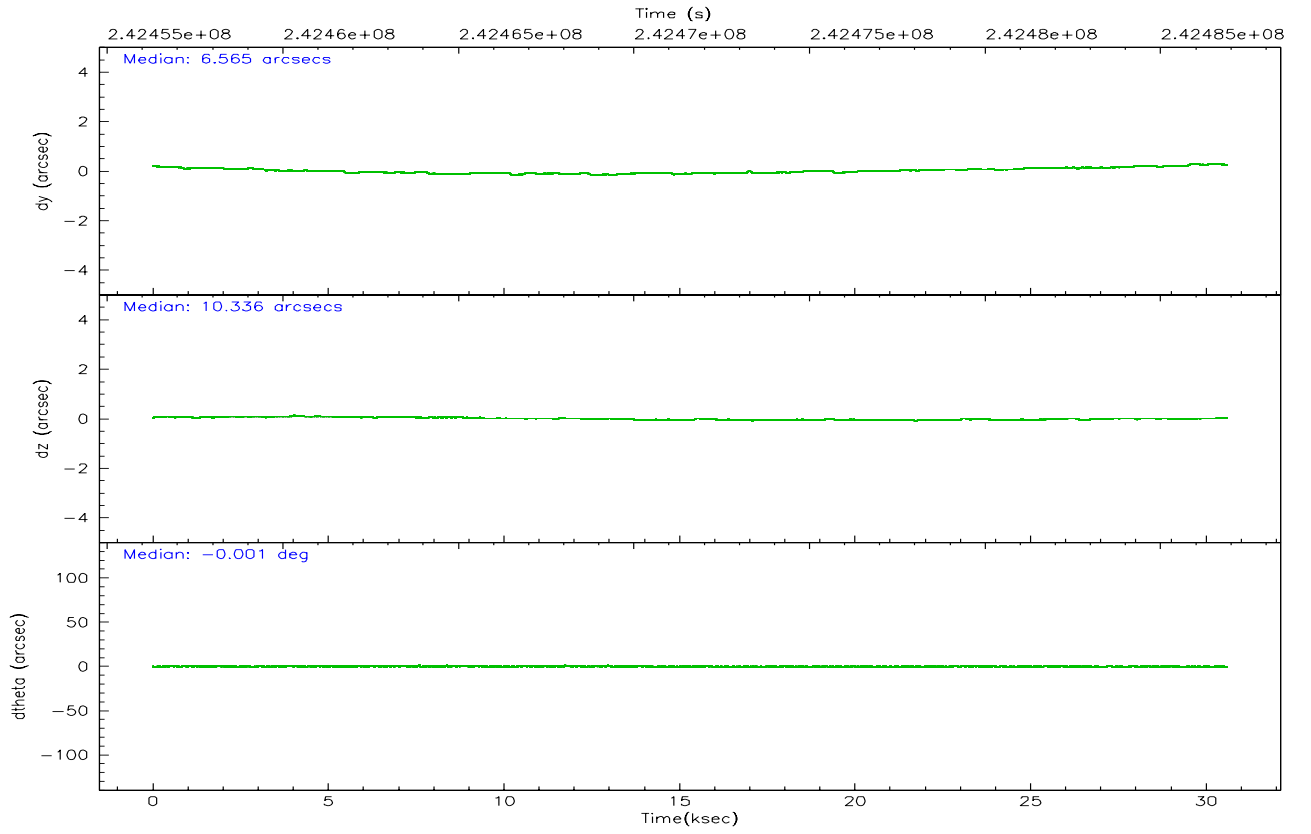
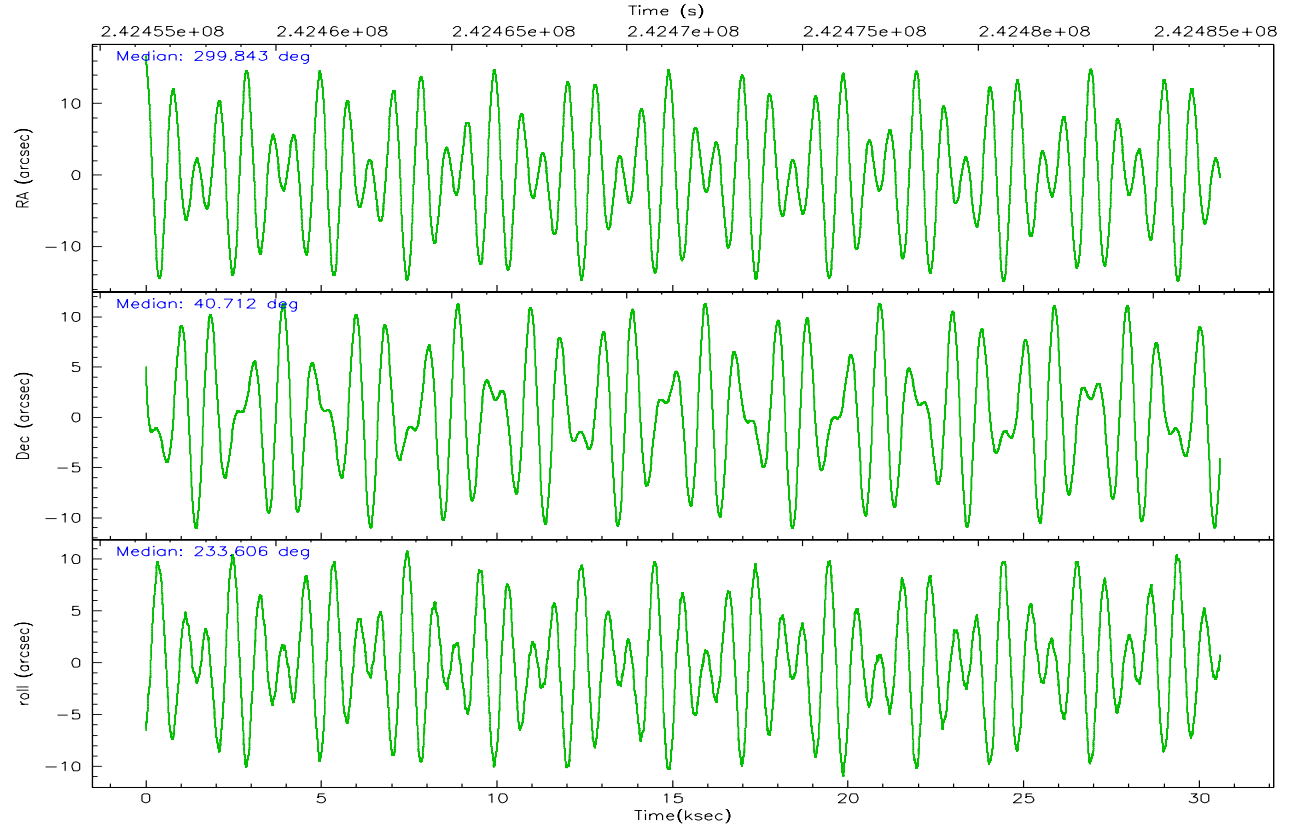
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	13522	34522	18232	119369	8461
	7%	16%	8%	35%	4%
grade 1 events	126	215	138	1242	91
	0%	0%	0%	0%	0%
grade 2 events	5297	8271	5526	19305	4249
	2%	3%	2%	5%	2%
grade 3 events	2412	3491	2497	7098	2180
	1%	1%	1%	2%	1%
grade 4 events	2282	3486	2588	7093	2151
	1%	1%	1%	2%	1%
grade 5 events	6253	7161	6019	8477	7303
	3%	3%	2%	2%	3%
grade 6 events	3904	5488	3863	8722	4278
	2%	2%	1%	2%	2%
grade 7 events	149657	149914	177607	164891	162778
	81%	70%	82%	49%	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	299.846862	299.8429956401744	Alternating exposures requested	N	N
Pointing Dec	40.738677	40.71144529110288	Primary exposure time	0.000000	3.1
Pointing Roll	233.405442	233.6166540395707			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-227.732463	-227.734108438797			
SIM translation stage offset (mm)	-5.86	-5.858344564132665			
Observation start time	242456903.184000	242455715.84197			
Observation start date	2005-09-07T05:07:19	2005-09-07T04:48:35			
Observation end time	242486903.184000	242488223.71846			
Observation end date	2005-09-07T13:27:19	2005-09-07T13:50:23			
Read mode	TIMED	TIMED			

2.3 Aspect



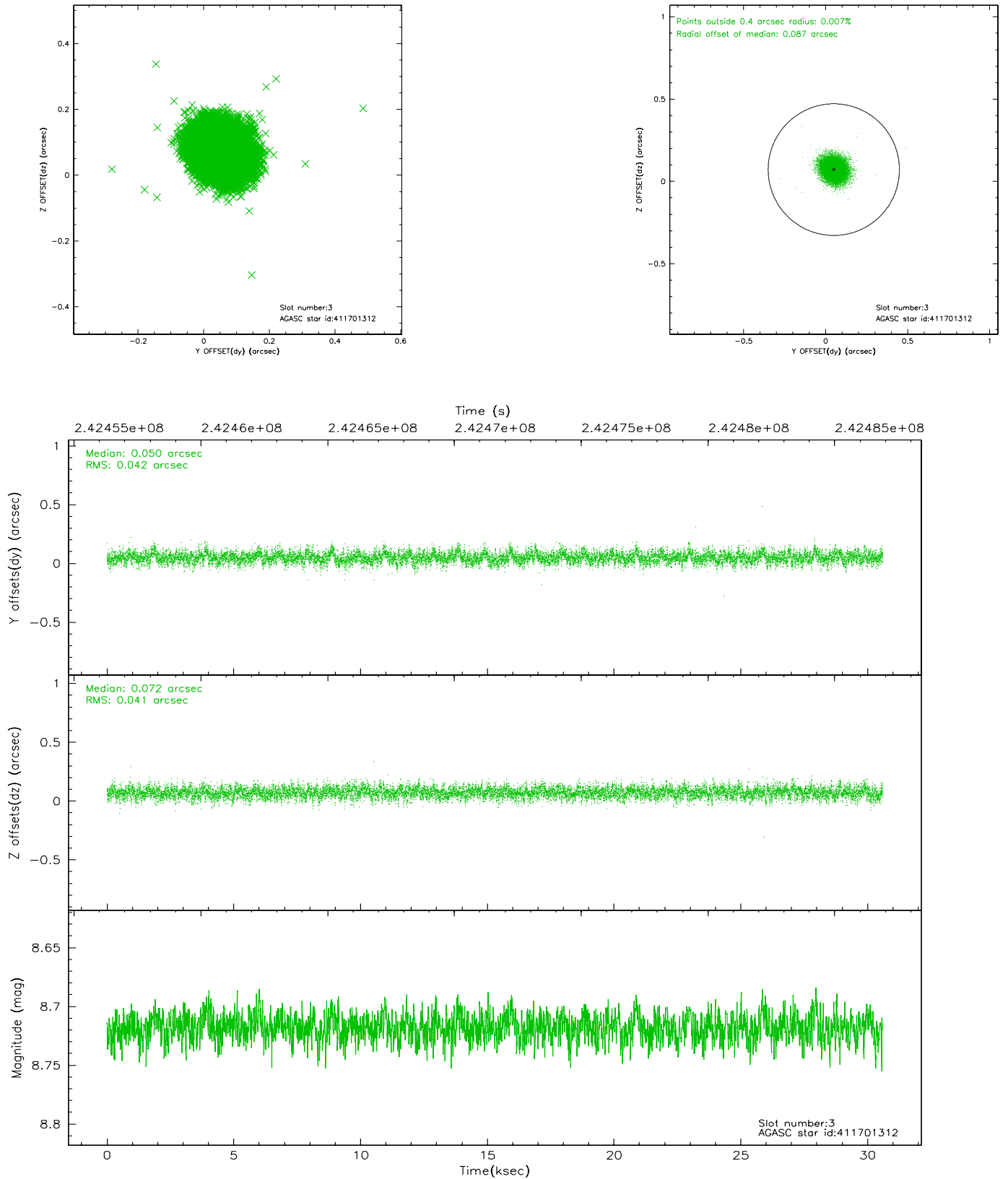


Slot Statistics

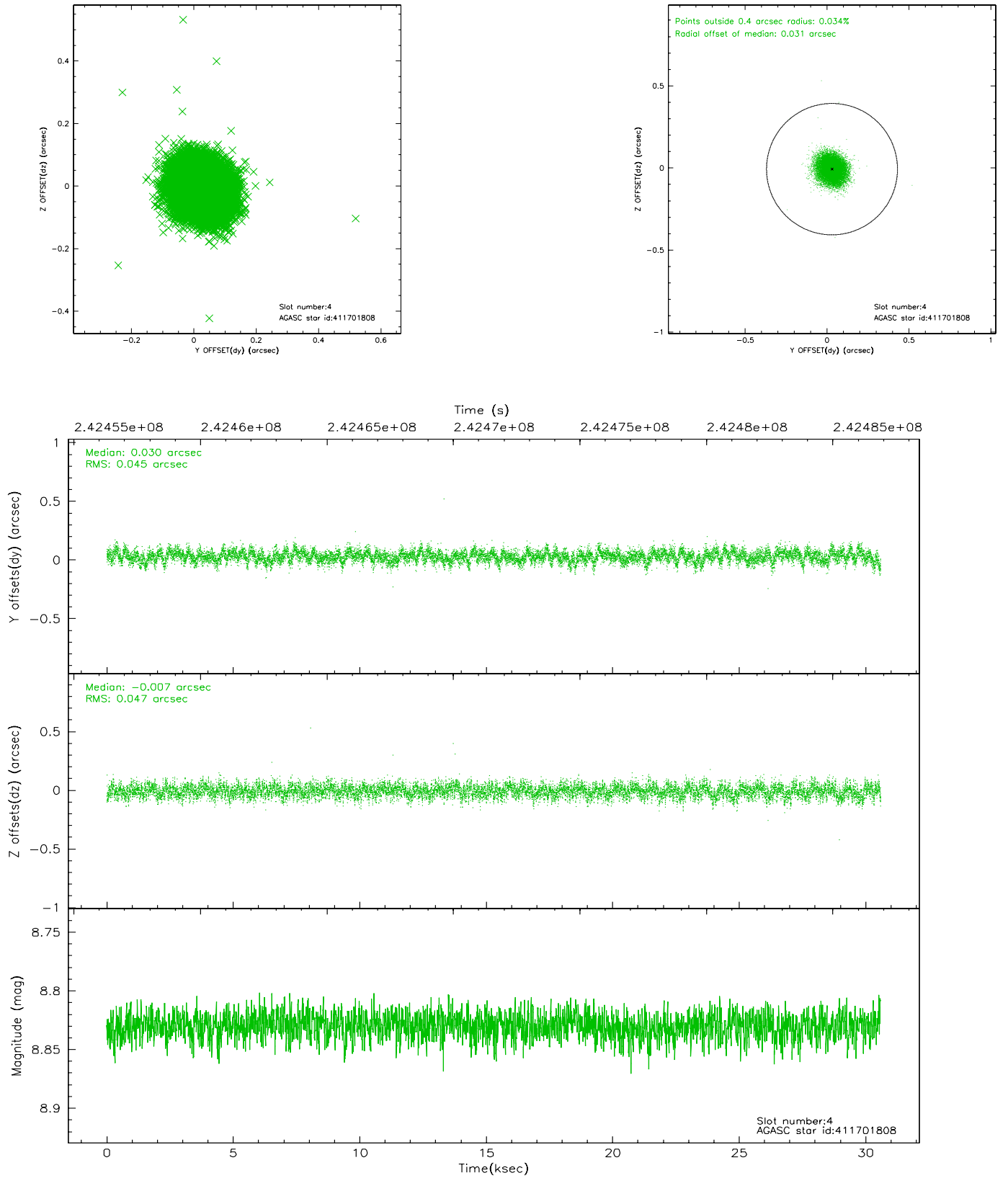
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	7462	0.104	-0.069	0.006	0.011	0.000000	0.000000	933.08	-954.15
1	FID	ACIS-I-5	7.23	7462	-0.214	0.103	0.006	0.011	0.000000	0.000000	-1815.26	943.52
2	FID	ACIS-I-6	7.25	7461	0.018	0.037	0.007	0.012	0.000000	0.000000	398.52	1587.99
3	GUIDE	411701312	8.72	14856	0.050	0.072	0.061	0.100	298.889956	40.820220	1307.63	-2275.82
4	GUIDE	411701808	8.83	14915	0.030	-0.007	0.069	0.112	299.419536	40.880184	282.67	-1238.95
5	GUIDE	412240768	8.28	14922	-0.072	0.228	0.065	0.101	299.999696	41.280279	-1811.91	-830.41
6	GUIDE	413405352	8.35	14922	-0.014	-0.093	0.070	0.109	300.290830	41.091941	-1741.55	207.11
7	GUIDE	413421016	8.71	14919	0.008	-0.195	0.071	0.111	300.612426	40.446254	-412.72	2306.20

2.4 Star Slots

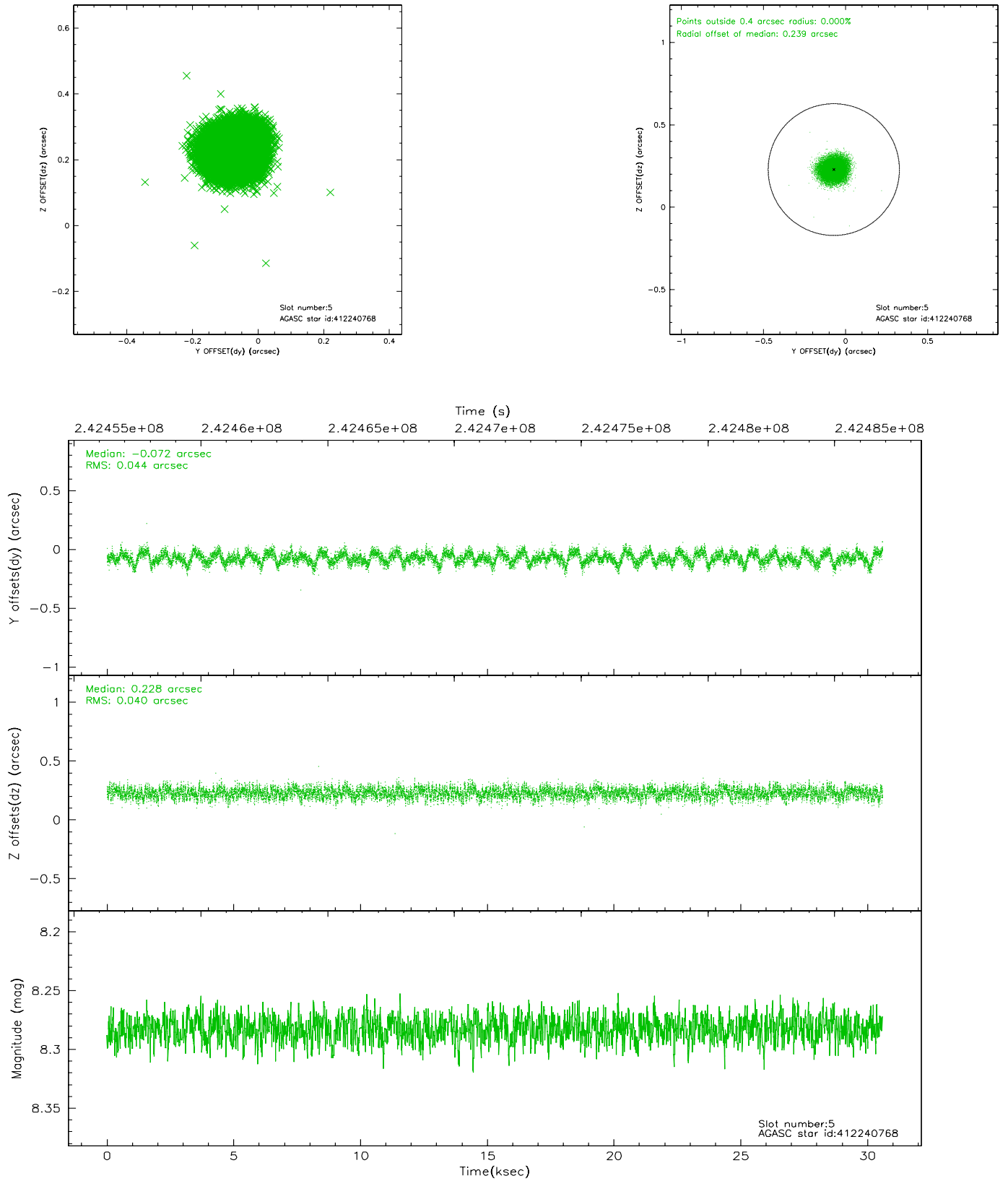
2.4.1 Slot 3



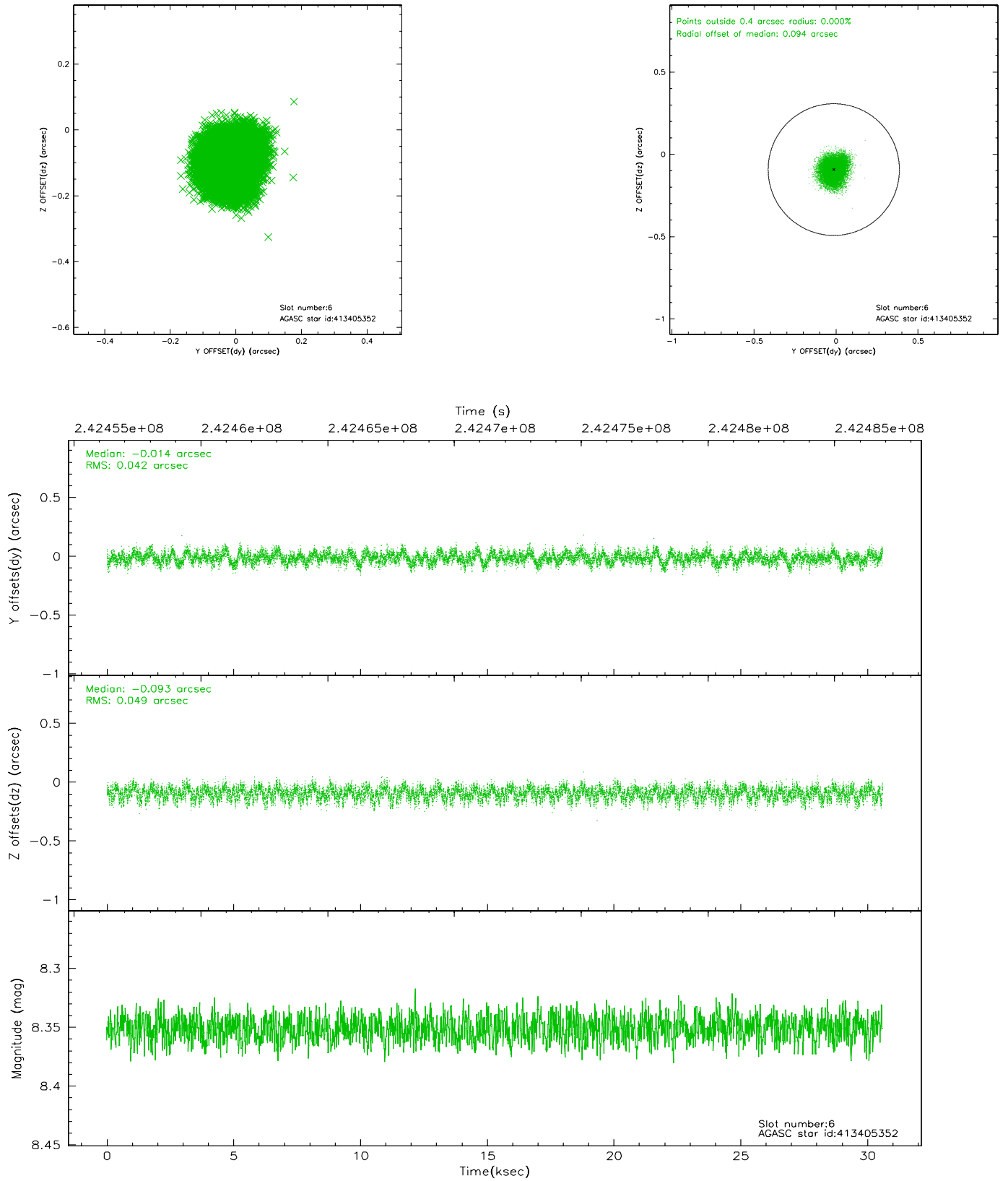
2.4.2 Slot 4



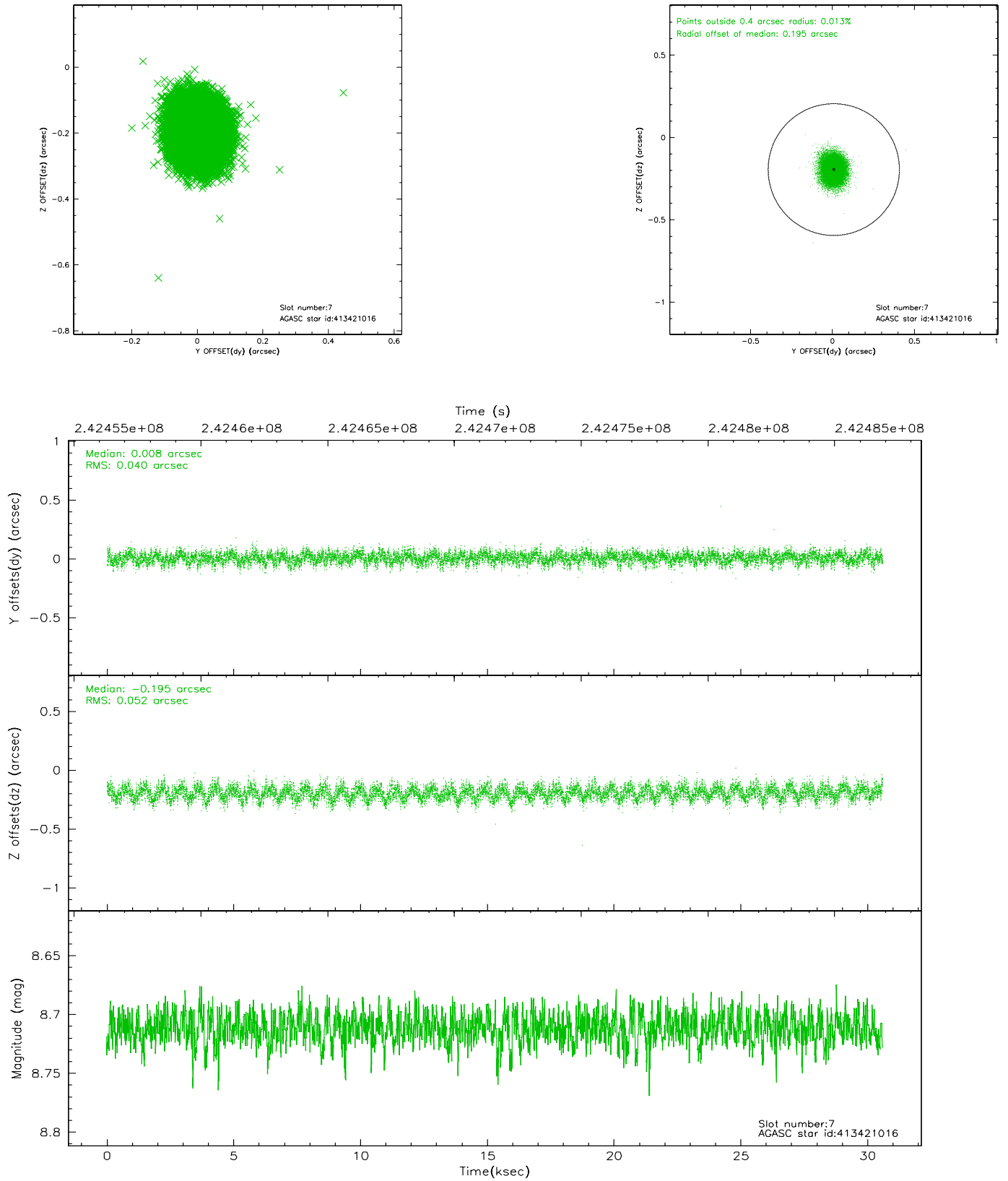
2.4.3 Slot 5



2.4.4 Slot 6

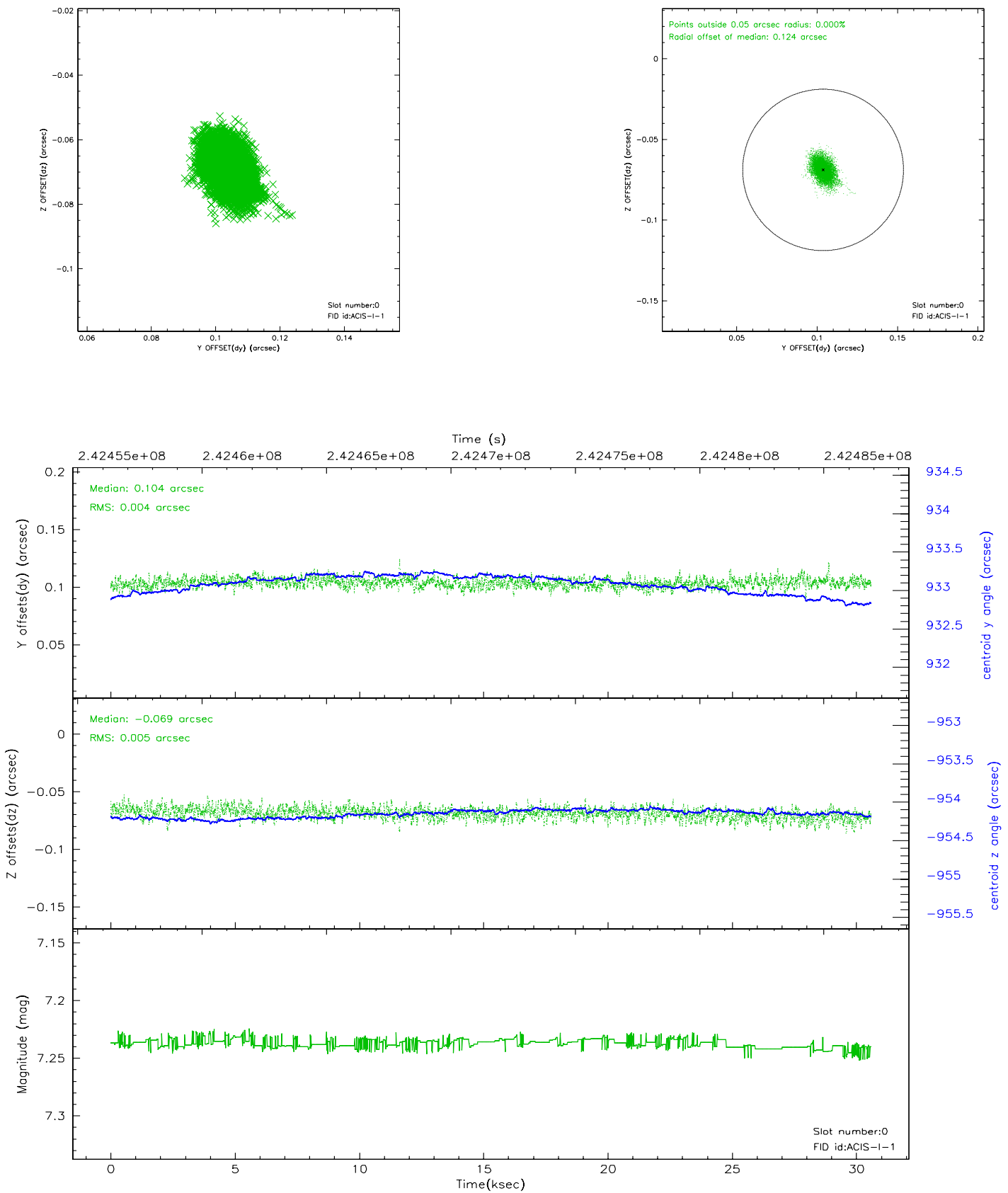


2.4.5 Slot 7

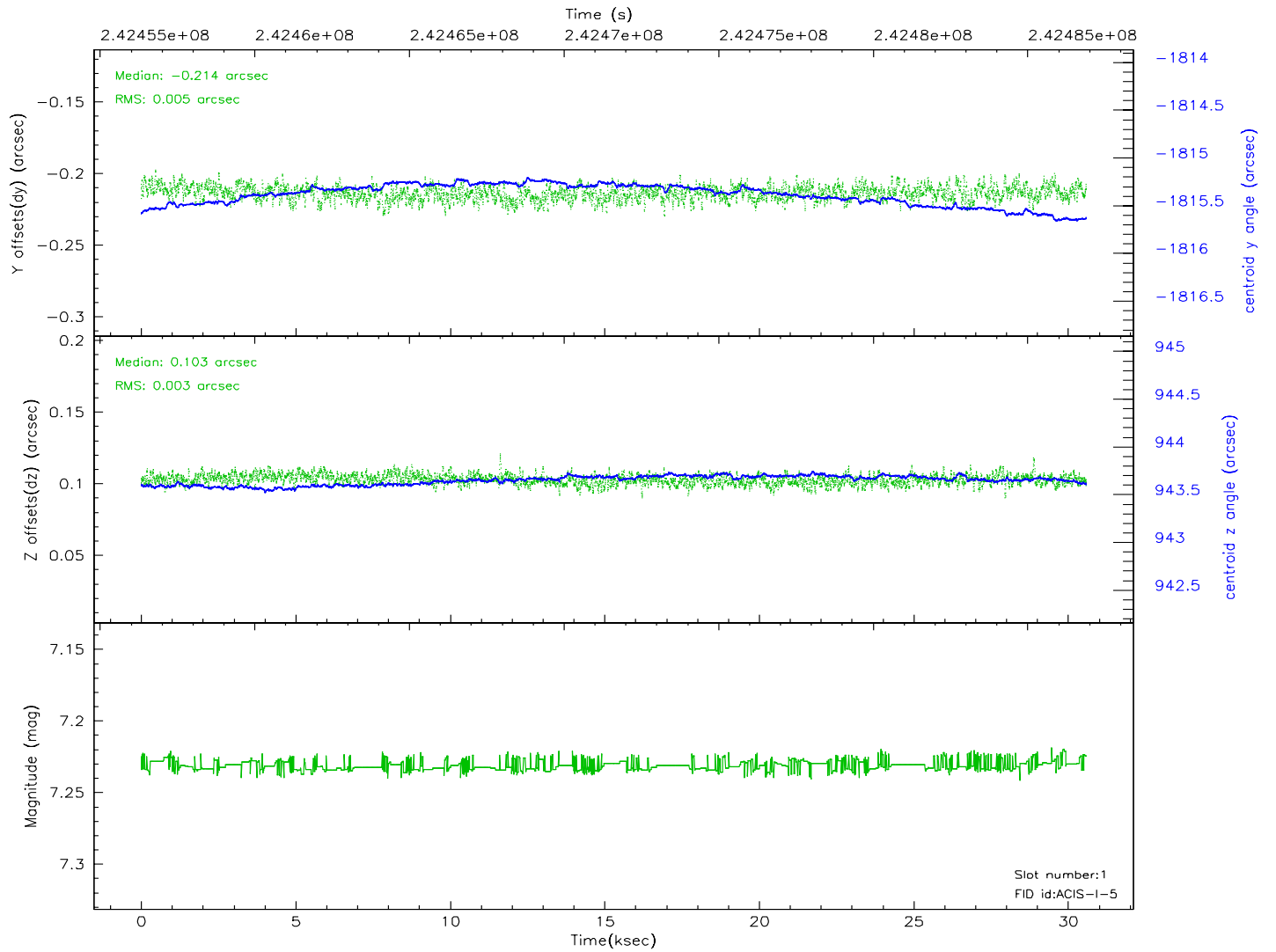
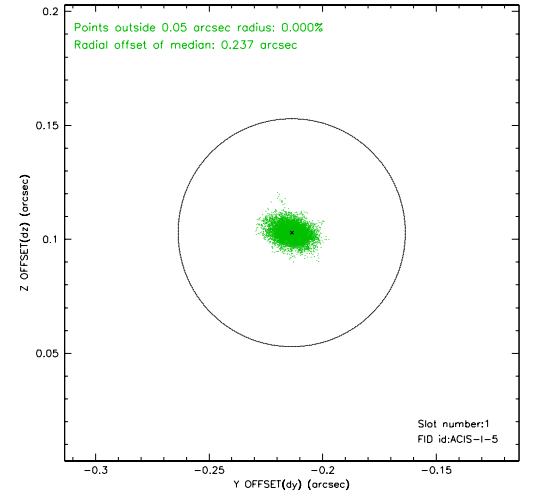
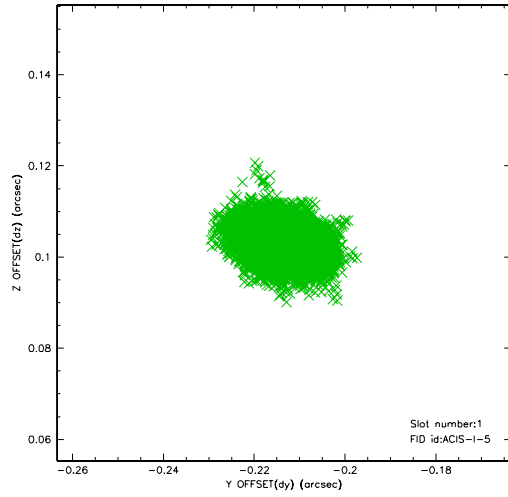


2.5 FID Slots

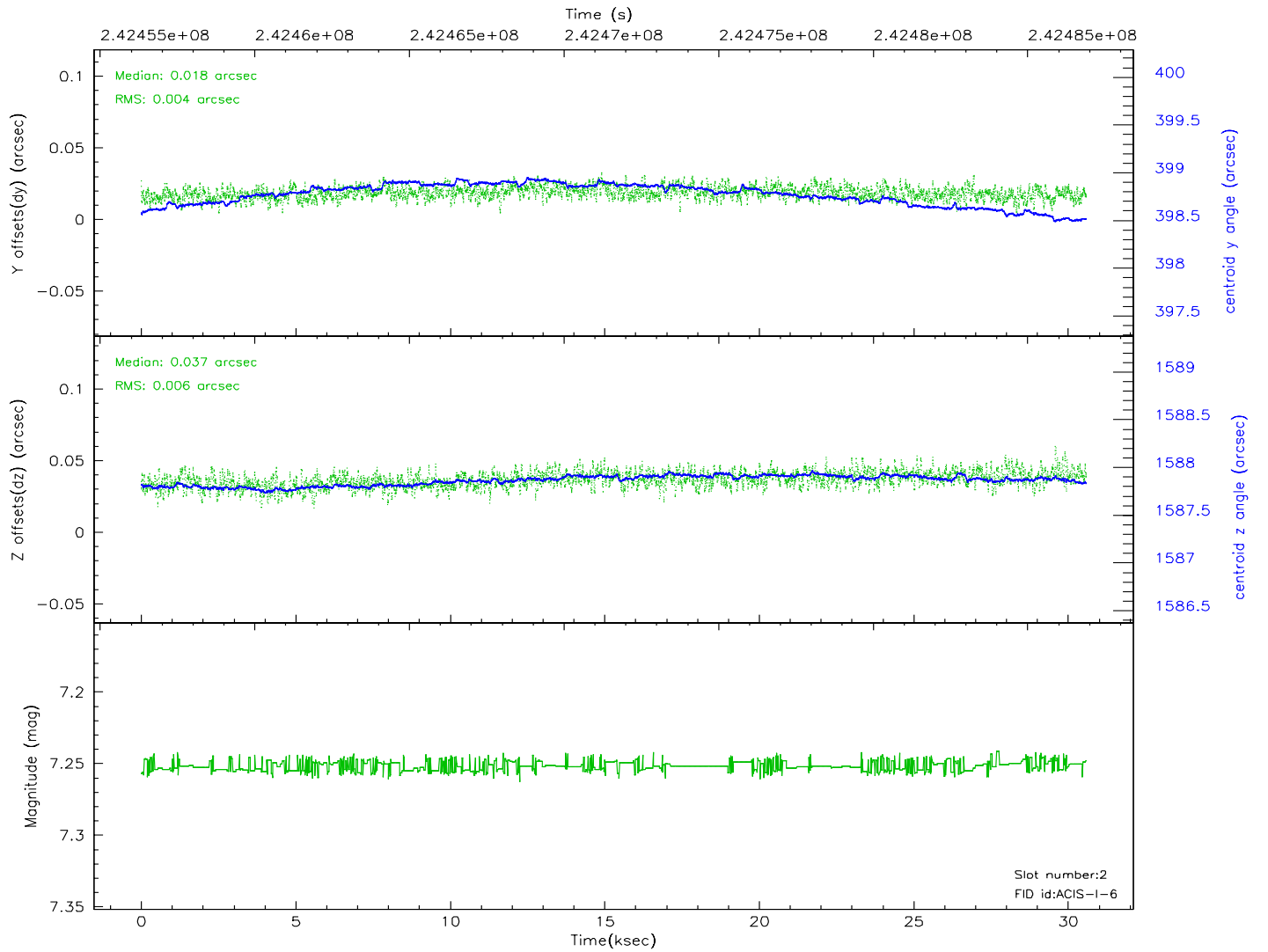
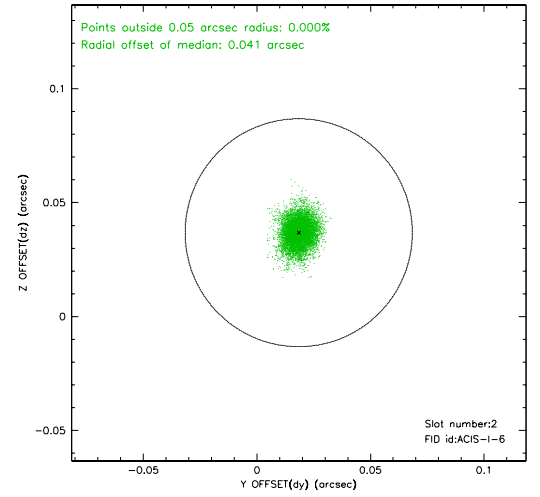
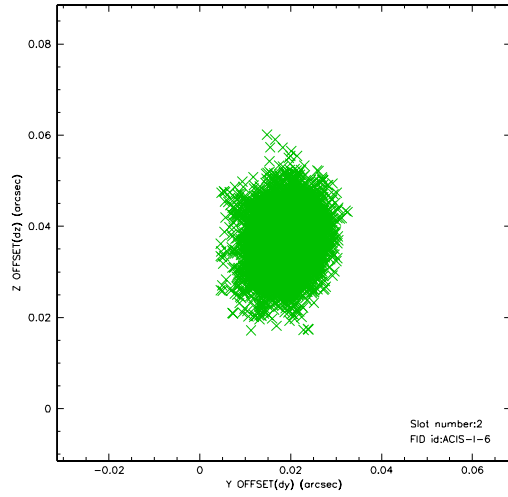
2.5.1 Slot 0



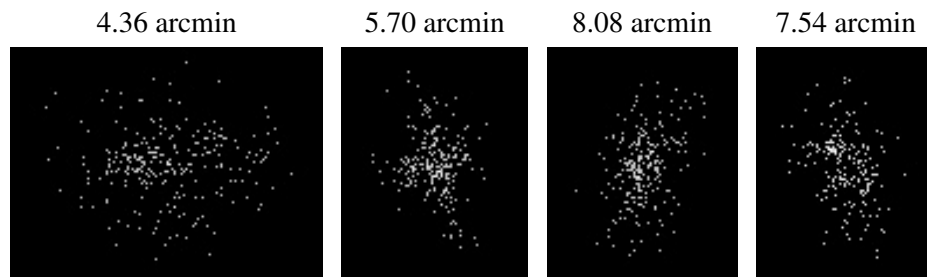
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.04515

A.2 Comments