

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4946 - L2 Version 001
Chandra X-Ray Center

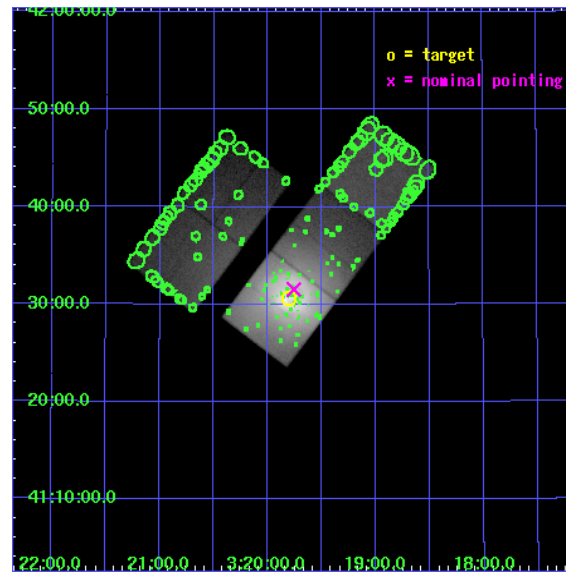
L2 Processing Date : Apr 17 2006

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1 Front

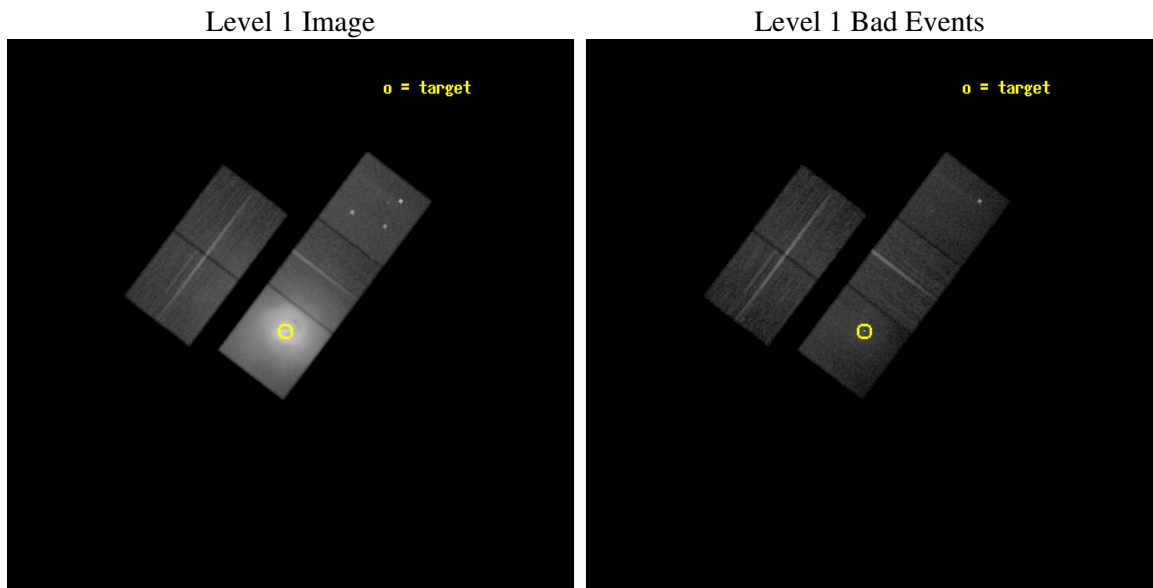
seq_num	800397
obs_id	4946
title	A Megasecond Image of the Core of the Perseus Cluster
observer	Prof Andrew Fabian
object	Abell 426
dtcycle	0
cycle	P
ra_targ	49.950833
dec_targ	41.511722
ra_nom	49.939328262682
dec_nom	41.525901713719
roll_nom	127.16947585372
revision	2
ontime	23975.399953902
livetime	23662.143703071
ontime2	23975.399953902
ontime3	23975.399953902
ontime5	23975.399953902
ontime6	23972.258973658
ontime7	23975.399953902
l2events	2348479



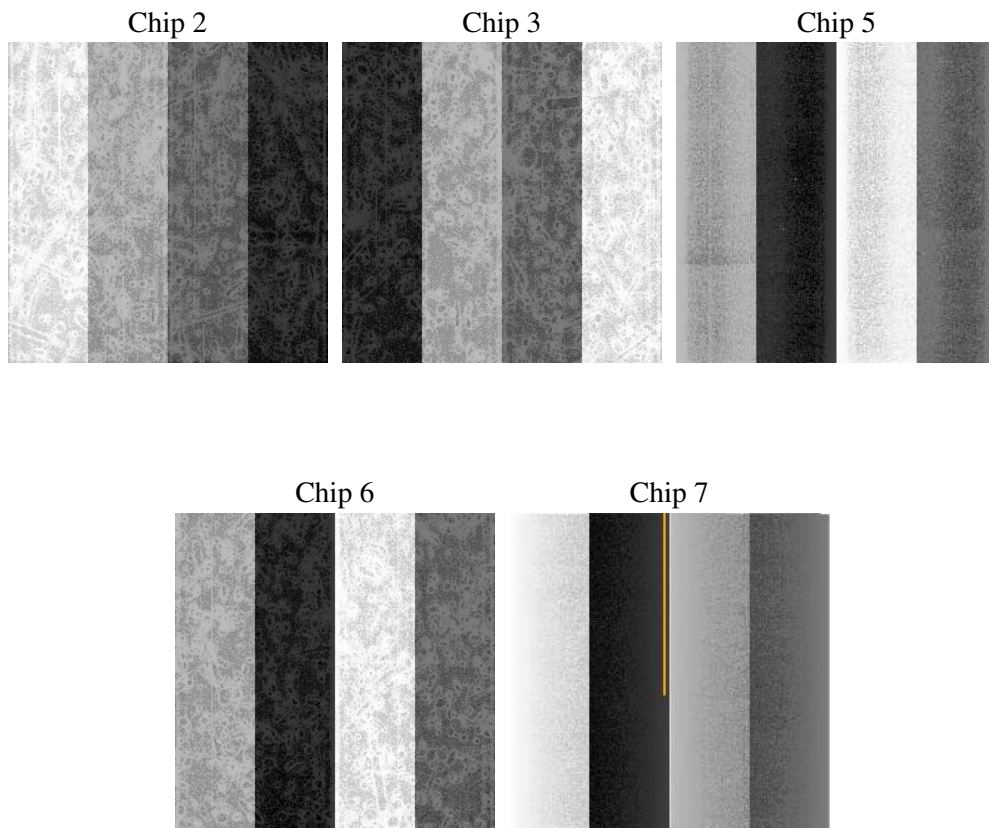
2 OBI

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	2006-04-17T18:57:15
revision	2

sched_exp_time	119108.290000
ontime	25991.856081873
ontime2	25991.856081873
ontime3	25991.856061935
ontime5	25991.856081873
ontime6	25988.715081692
ontime7	25991.856081873
l1events	3187656

2.1.4 Events

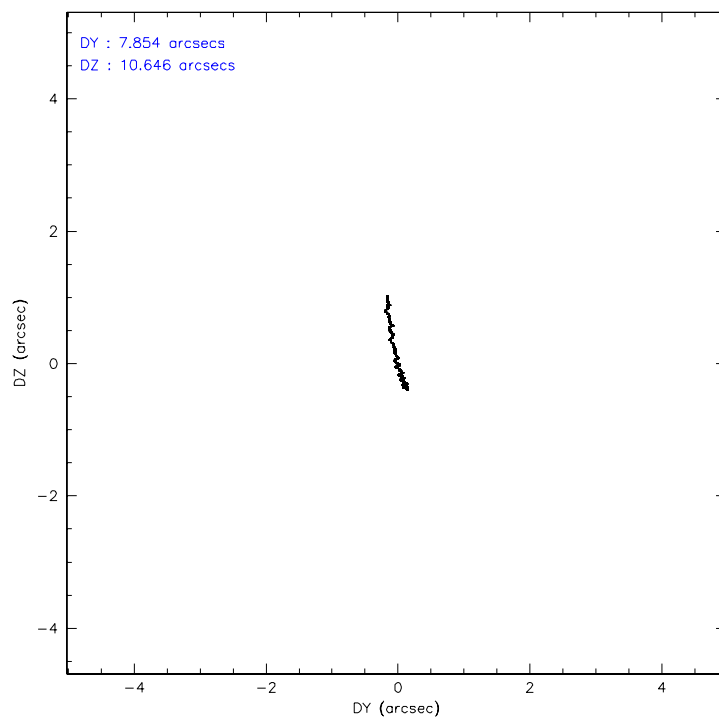
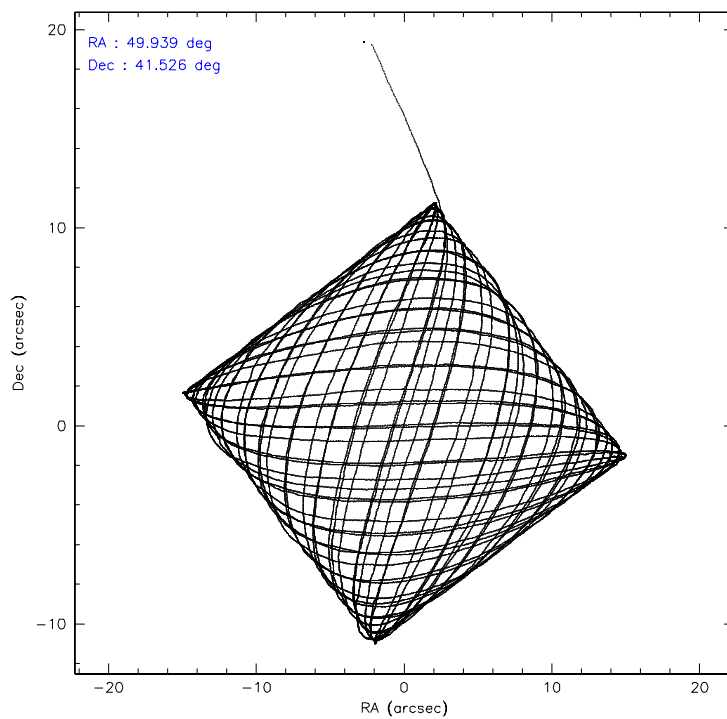
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	232303	263615	276750	417406	1997582
rejected events	163840	155825	132987	167107	166103
rejected %	70%	59%	48%	40%	8%

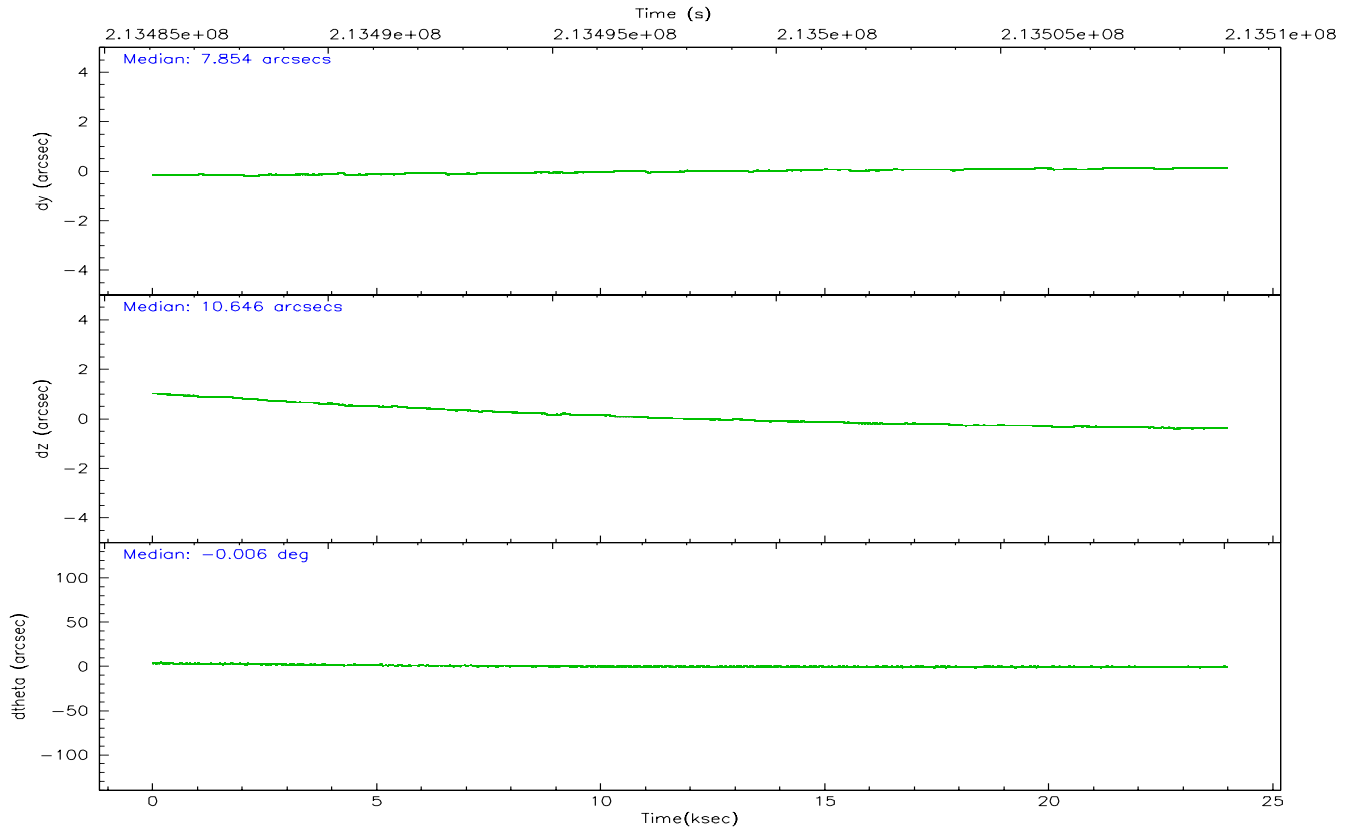
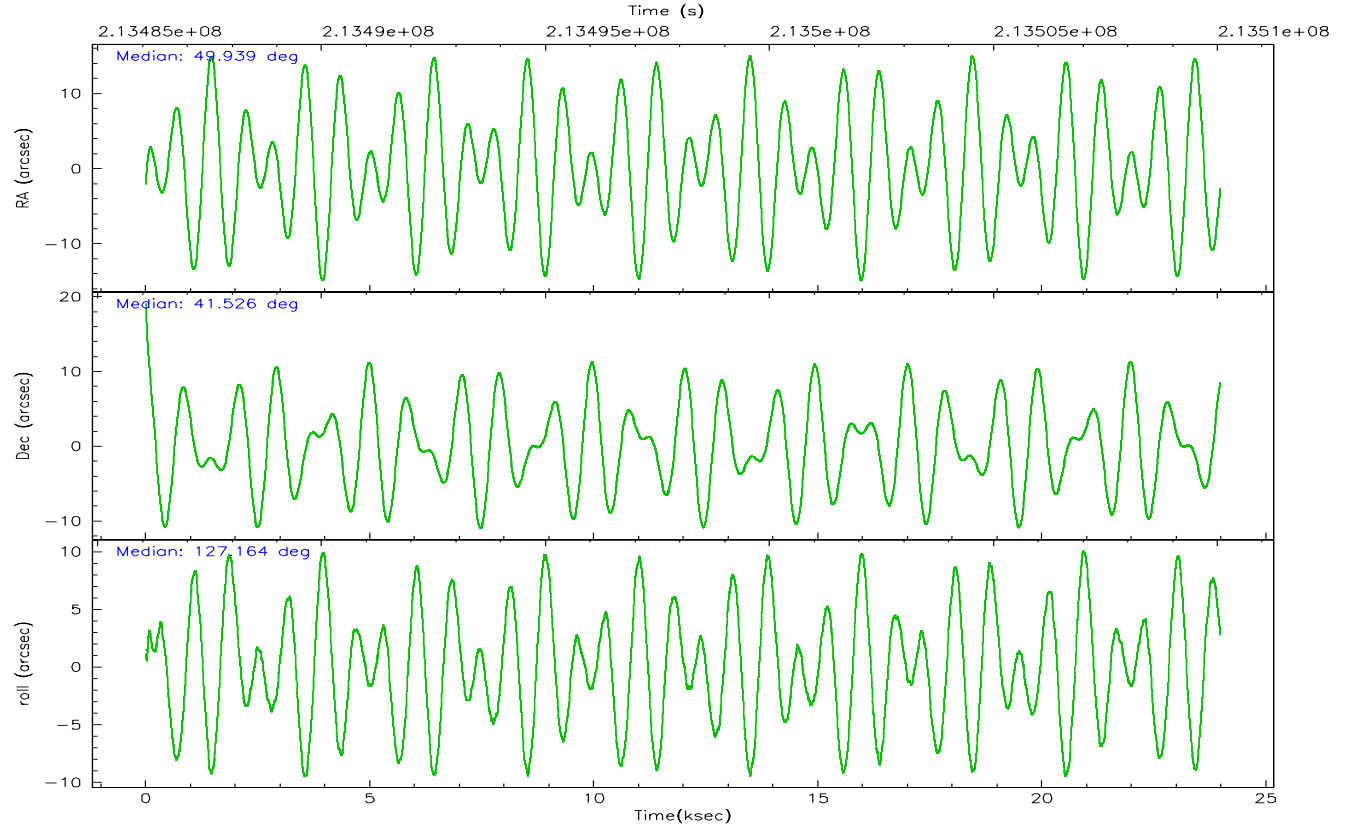
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	50458	82252	22973	196465	454937
	21%	31%	8%	47%	22%
grade 1 events	354	498	349	900	1155
	0%	0%	0%	0%	0%
grade 2 events	9300	12873	50924	28212	533395
	4%	4%	18%	6%	26%
grade 3 events	3567	5071	5174	9324	200294
	1%	1%	1%	2%	10%
grade 4 events	3495	4844	5356	9389	195468
	1%	1%	1%	2%	9%
grade 5 events	5591	6758	13323	7628	28044
	2%	2%	4%	1%	1%
grade 6 events	4466	5463	69168	10622	473100
	1%	2%	24%	2%	23%
grade 7 events	155072	145856	109483	154866	111189
	66%	55%	39%	37%	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	49.973039	49.93932826268163	Alternating exposures requested	N	N
Pointing Dec	41.515694	41.52590171371894	Primary exposure time	0.000000	3.1
Pointing Roll	126.990499	127.1694758537154			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	213486231.184000	213484566.153			
Observation start date	2004-10-06T21:42:47	2004-10-06T21:16:06			
Observation end time	213605339.184000	213510706.21667			
Observation end date	2004-10-08T06:47:55	2004-10-07T04:31:46			
Read mode	TIMED	TIMED			

2.3 Aspect



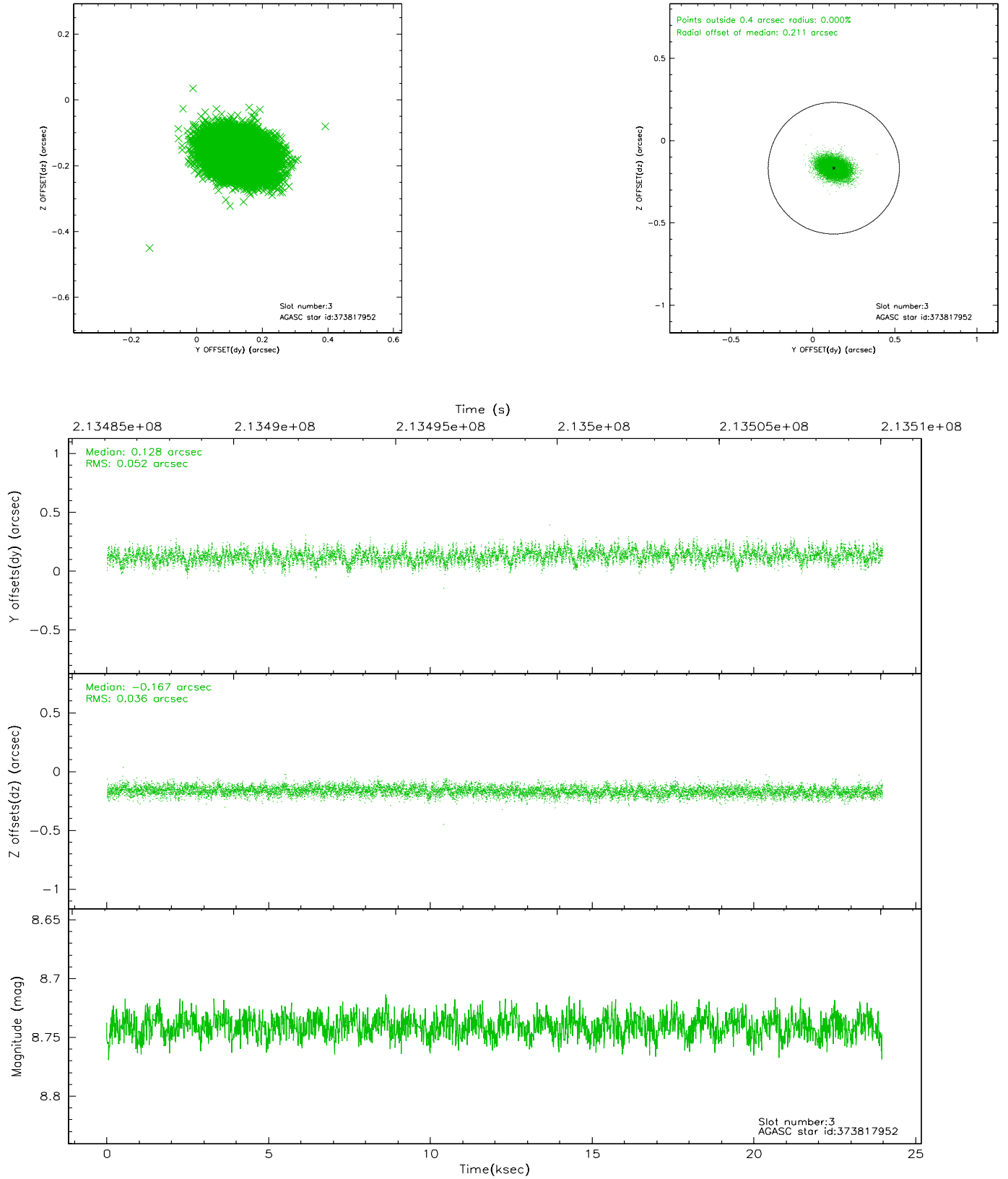


Slot Statistics

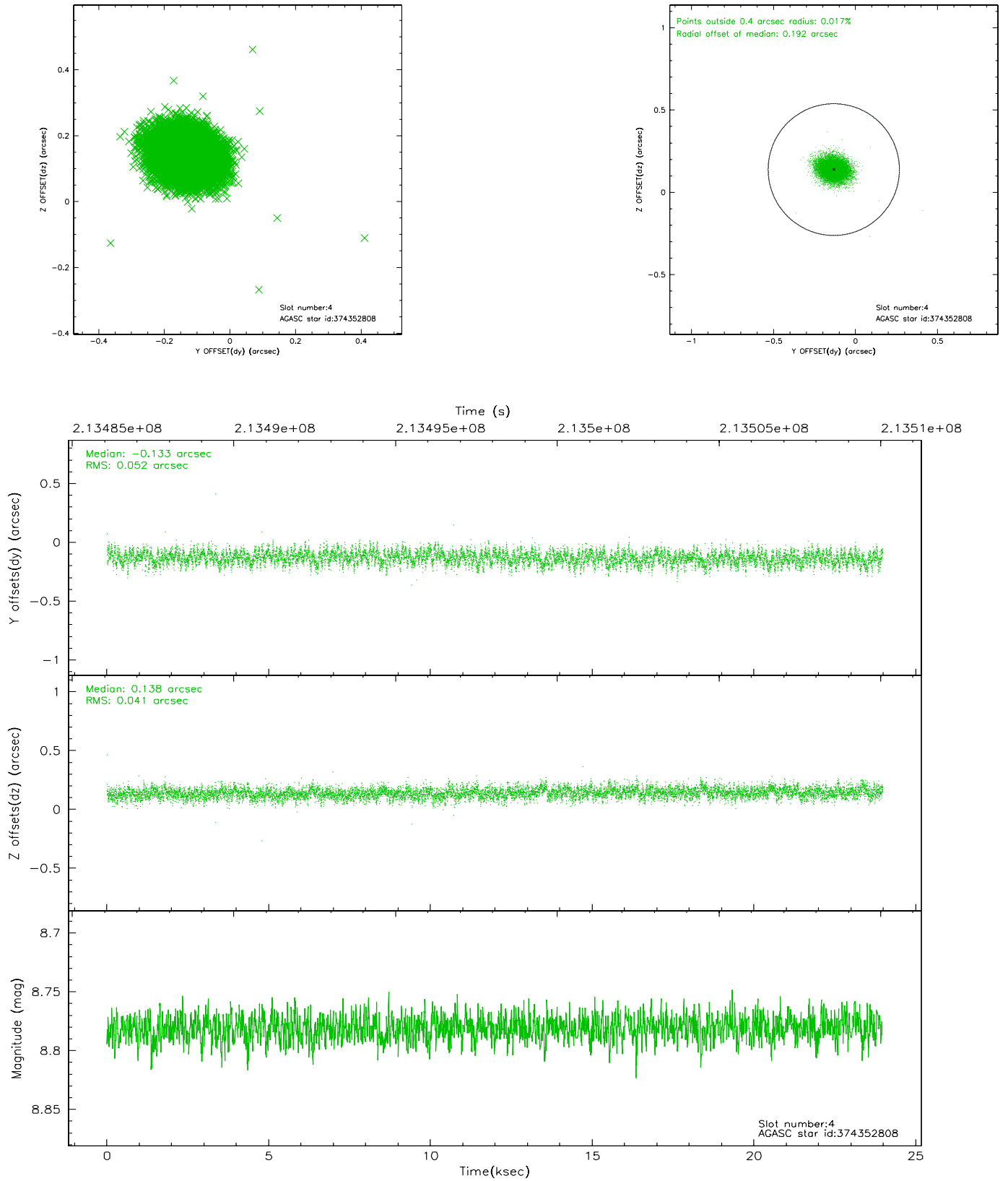
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	5848	0.001	-0.040	0.025	0.036	0.000000	0.000000	935.42	-1727.70
1	FID	ACIS-S-4	7.21	5847	0.041	0.033	0.015	0.021	0.000000	0.000000	2152.93	176.40
2	FID	ACIS-S-5	7.23	5849	-0.070	0.020	0.015	0.021	0.000000	0.000000	-1813.36	170.12
3	GUIDE	373817952	8.74	11690	0.128	-0.167	0.066	0.110	49.913424	40.978510	-1447.02	1292.82
4	GUIDE	374352808	8.78	11690	-0.133	0.138	0.069	0.113	49.969955	42.208621	1997.45	-1493.83
5	GUIDE	374357808	8.68	11693	-0.181	0.120	0.072	0.116	49.921429	42.176083	1982.02	-1320.26
6	GUIDE	374345008	9.37	11683	0.080	-0.069	0.090	0.143	48.768668	41.619367	2266.31	2350.94
7	GUIDE	375534552	8.20	11692	0.109	-0.021	0.062	0.100	50.877490	41.206927	-2351.09	-1295.39

2.4 Star Slots

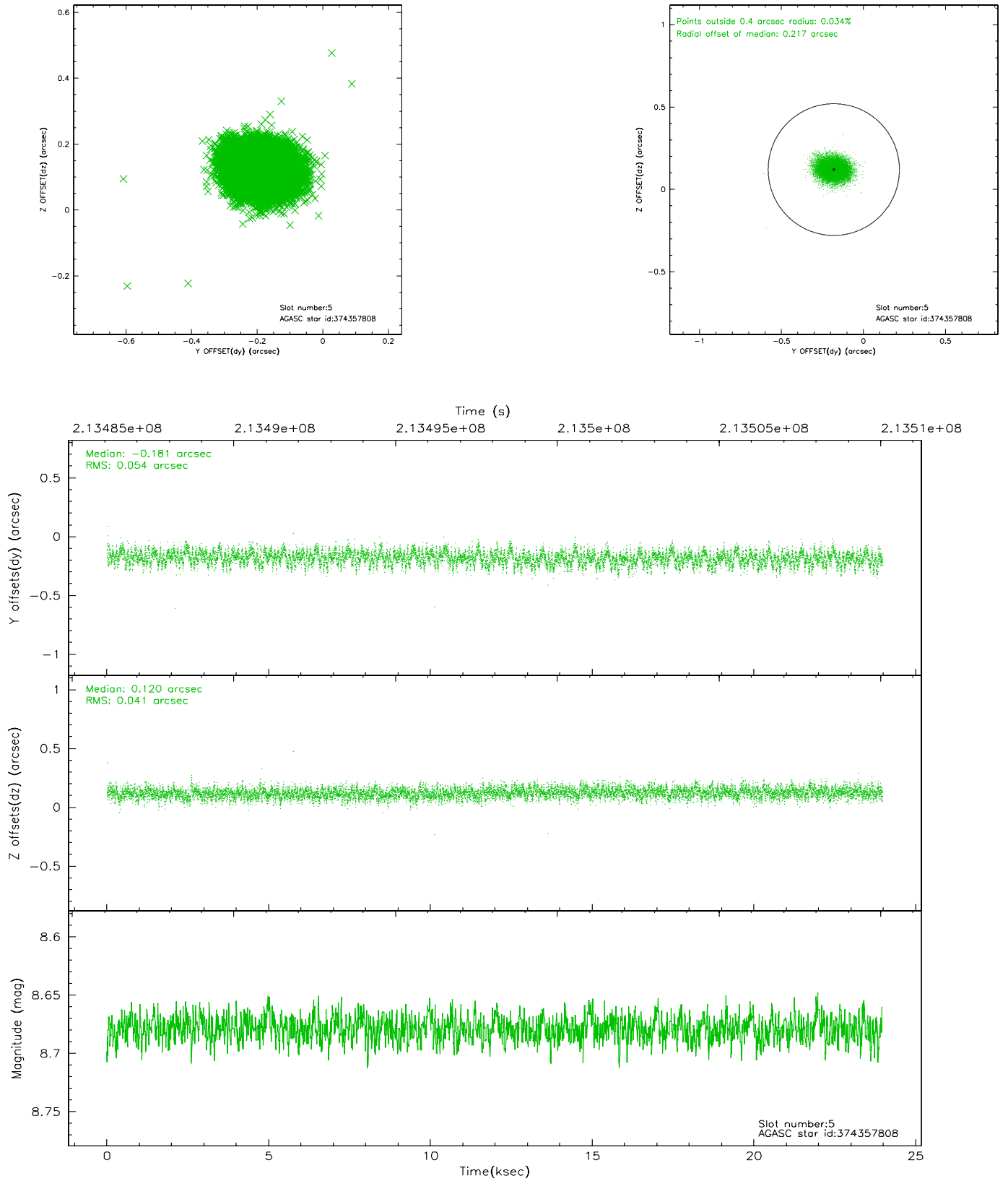
2.4.1 Slot 3



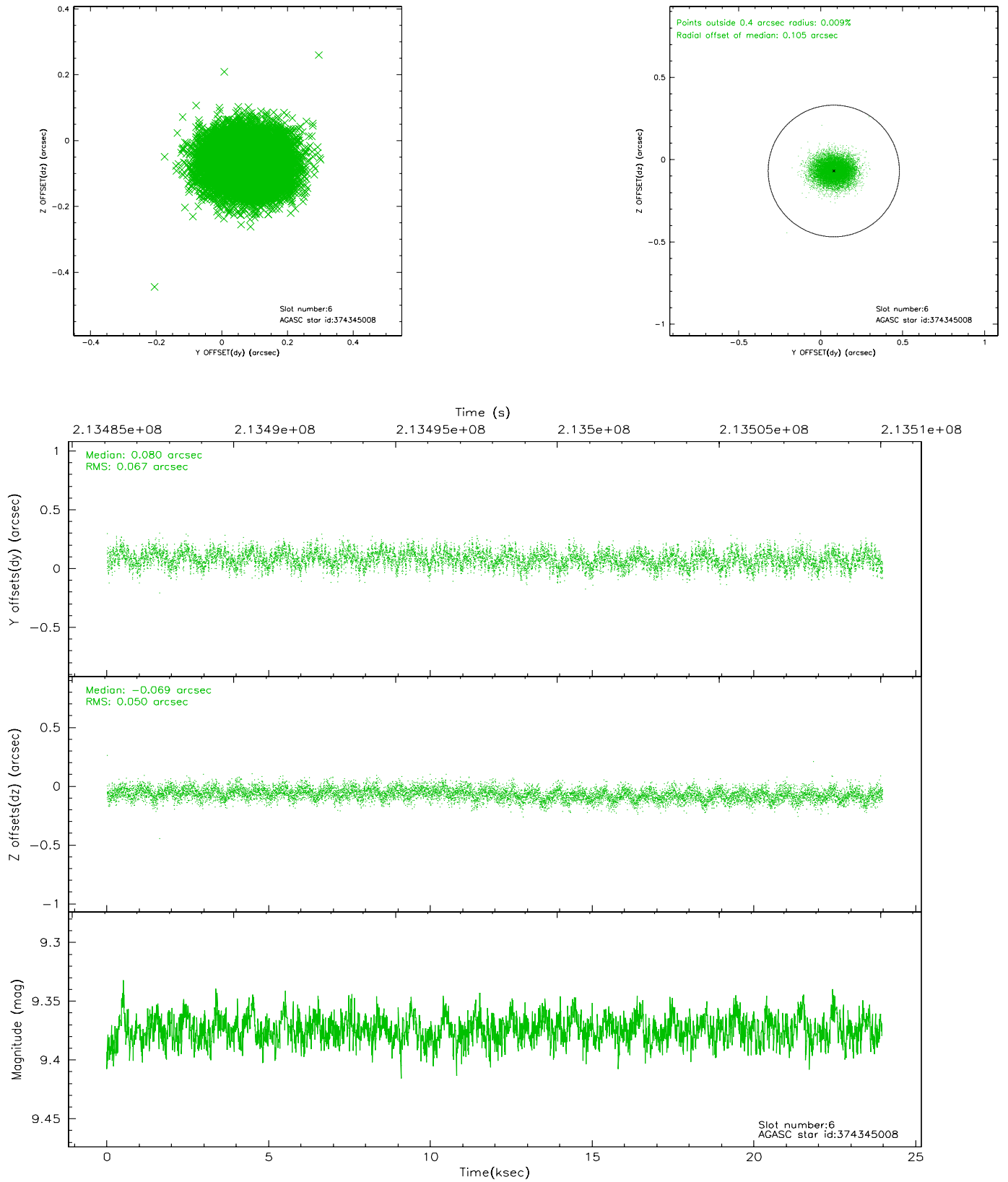
2.4.2 Slot 4



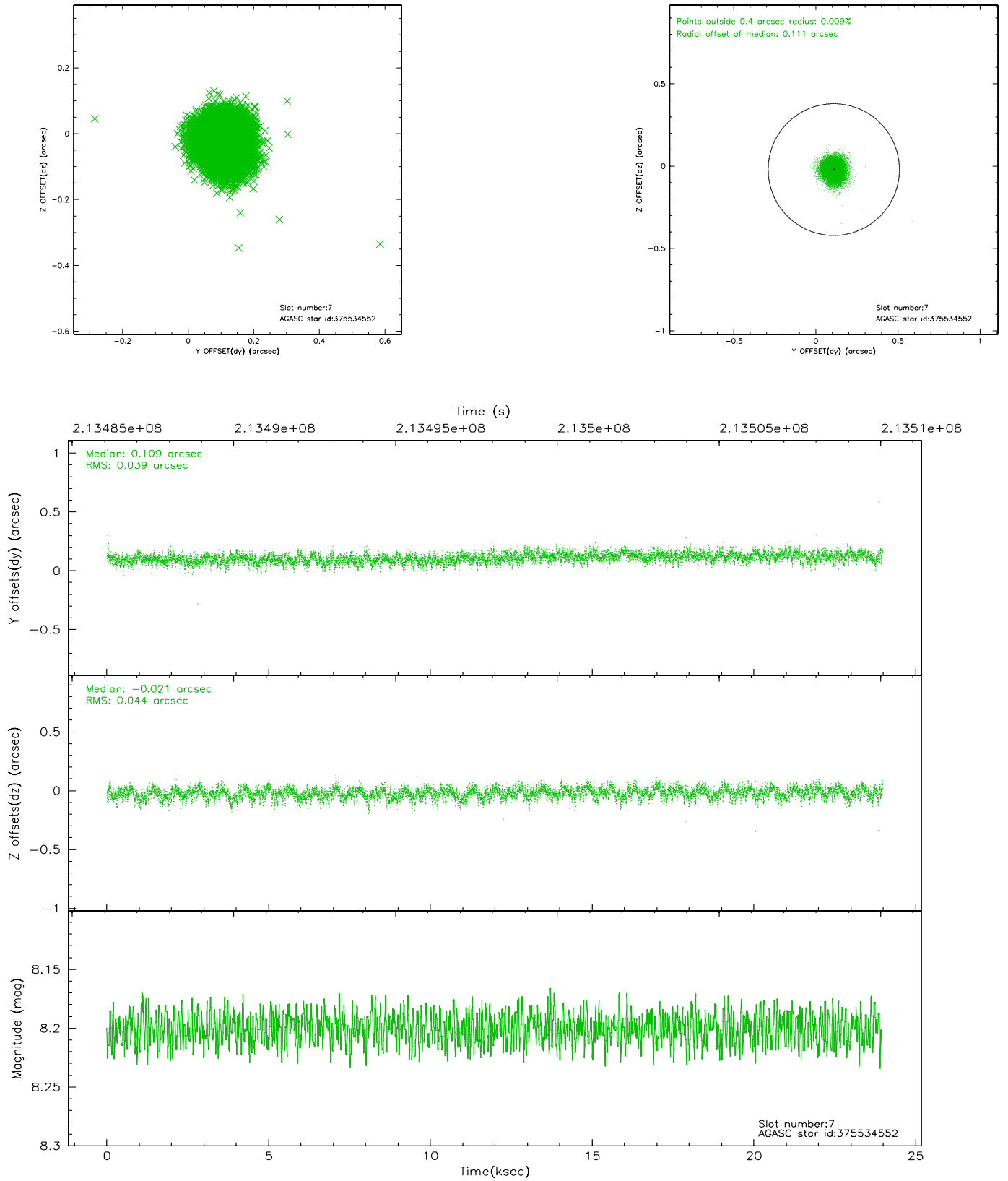
2.4.3 Slot 5



2.4.4 Slot 6

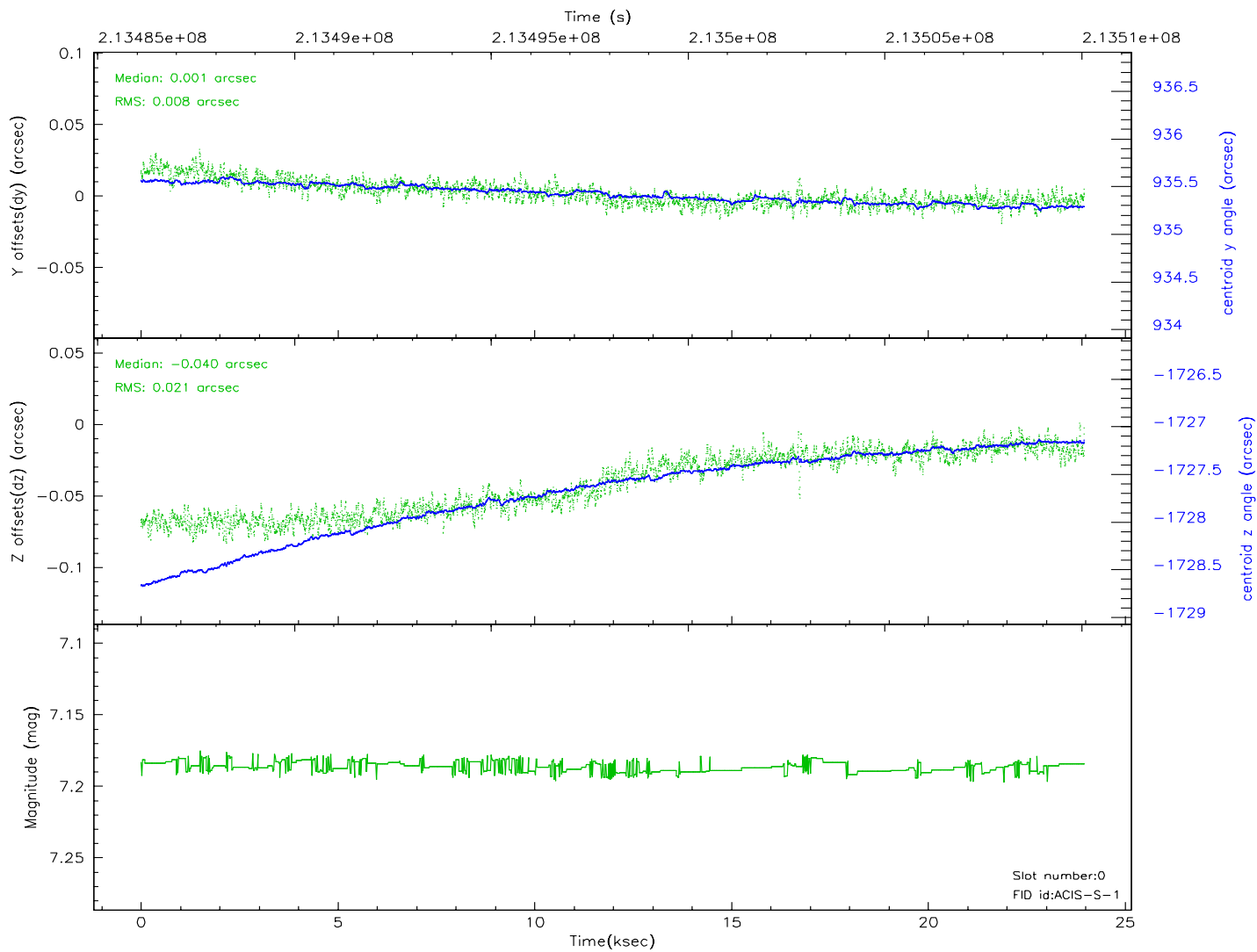
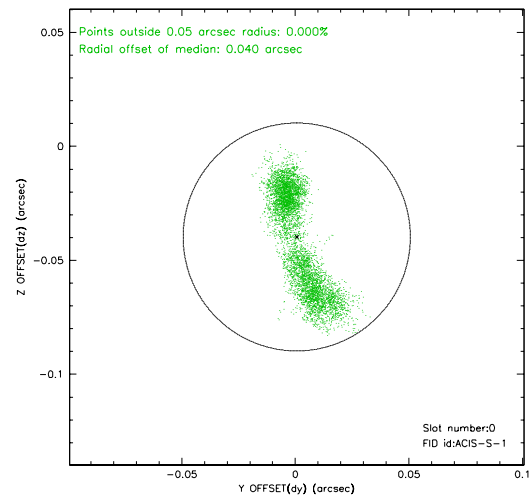
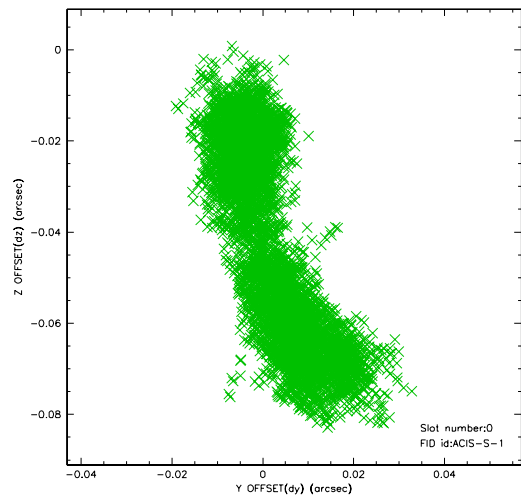


2.4.5 Slot 7

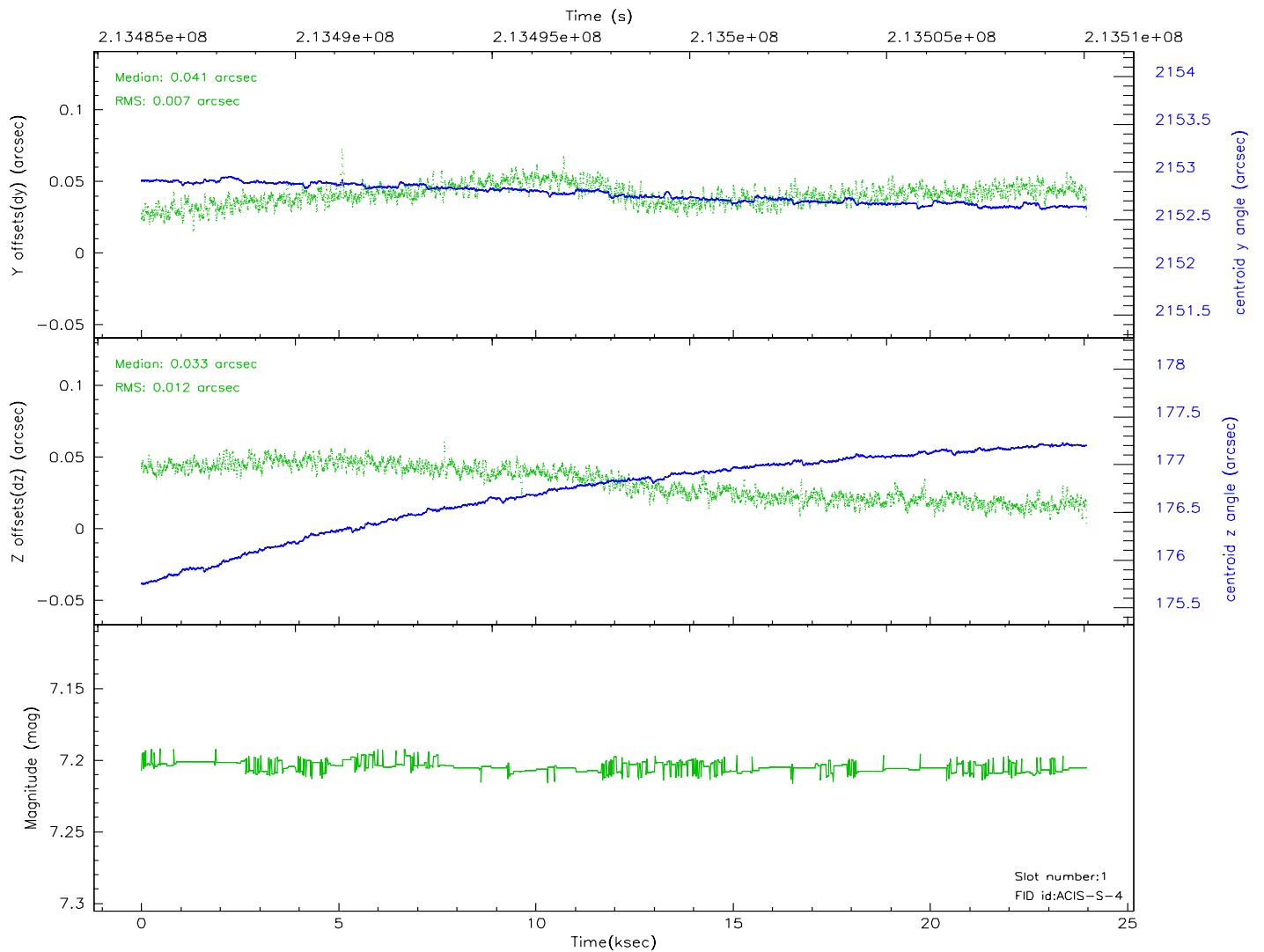
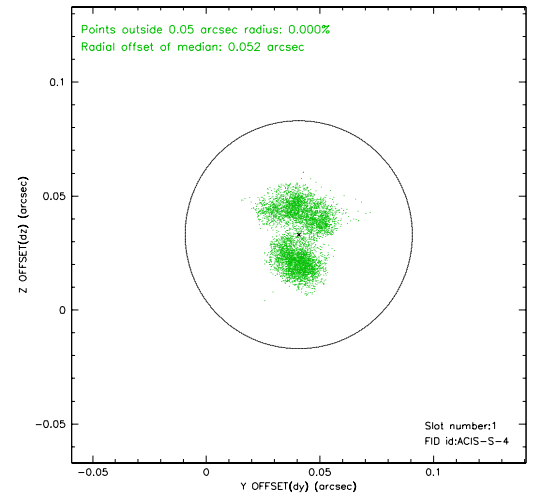
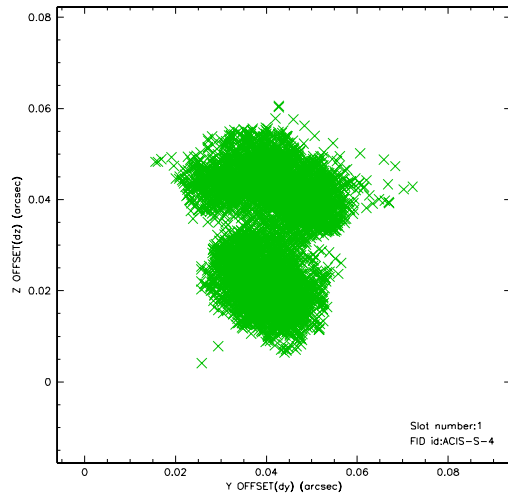


2.5 FID Slots

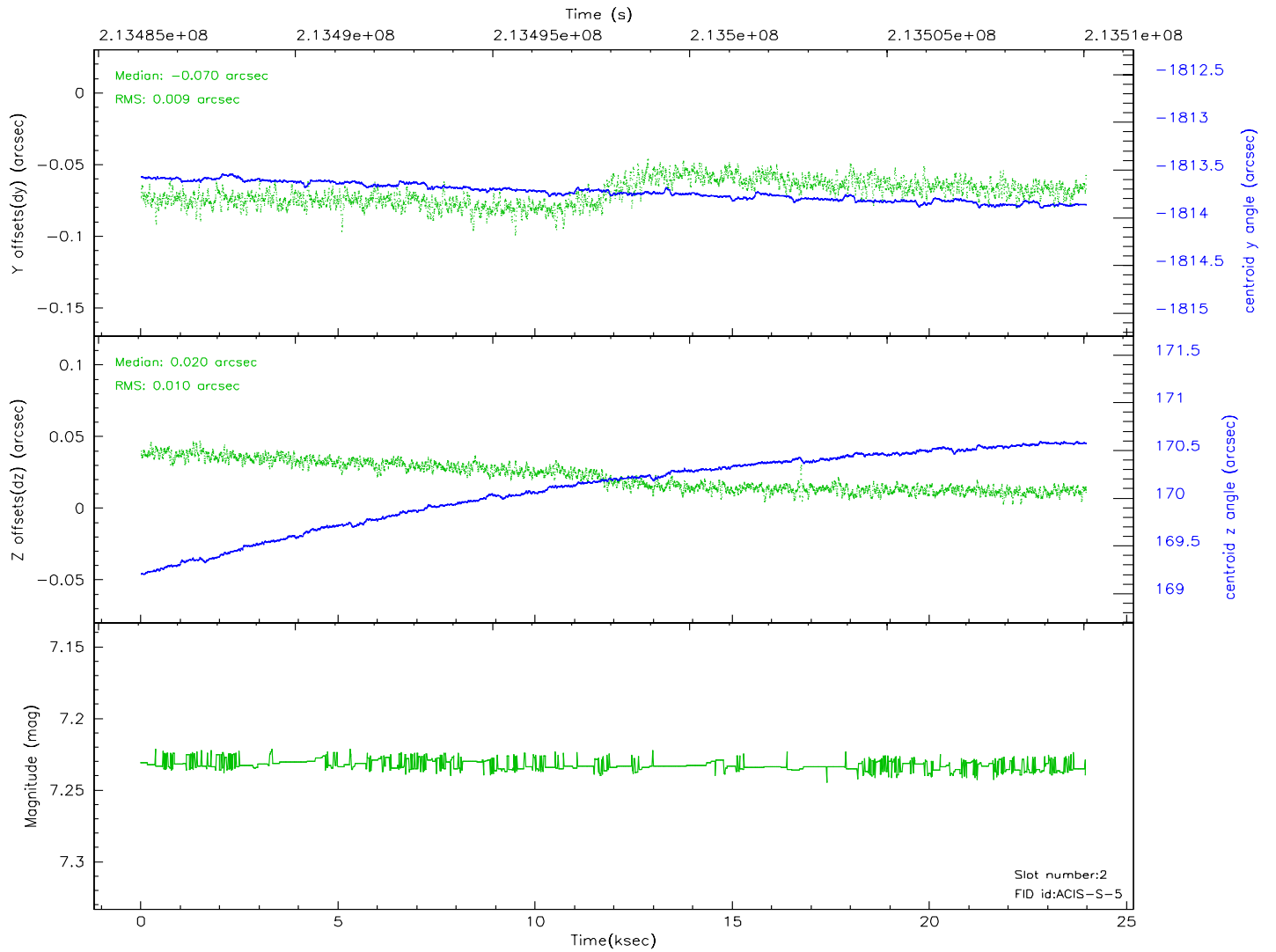
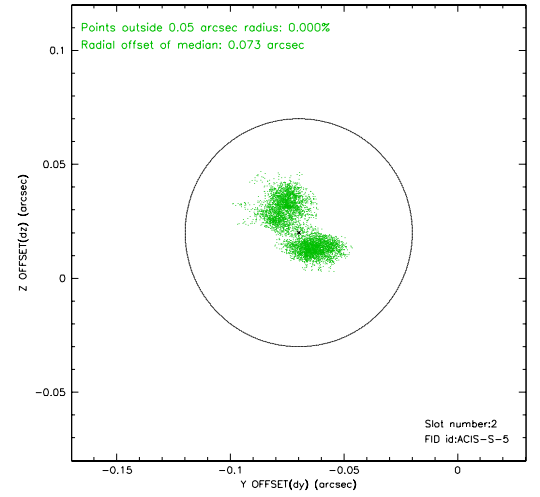
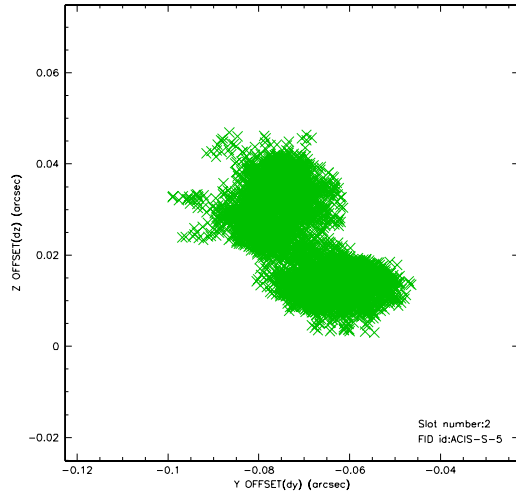
2.5.1 Slot 0



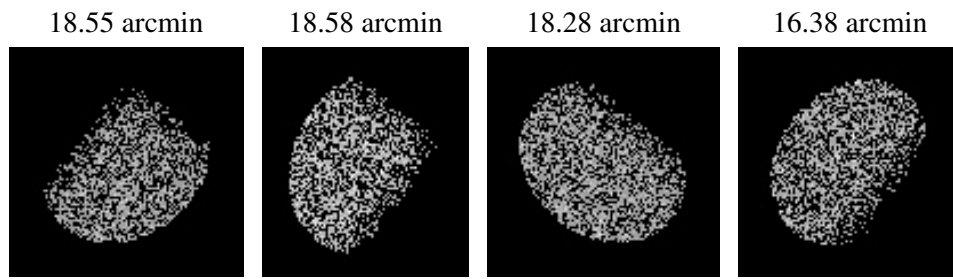
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.975

A.2 Comments