

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 554 - L2 Version 001
Chandra X-Ray Center

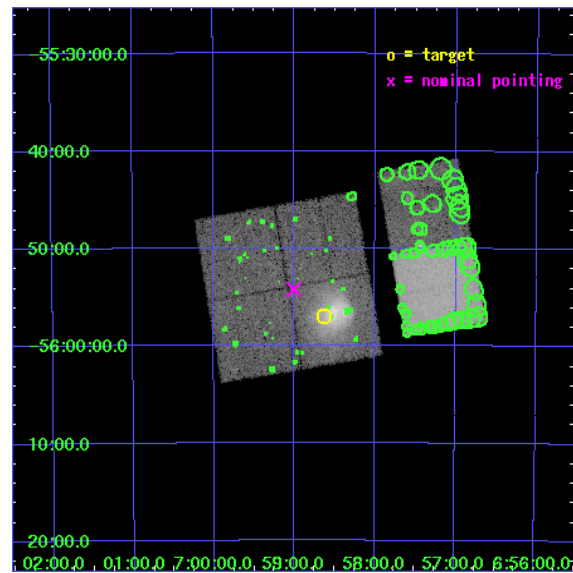
L2 Processing Date : Jun 12 2007

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1 Front

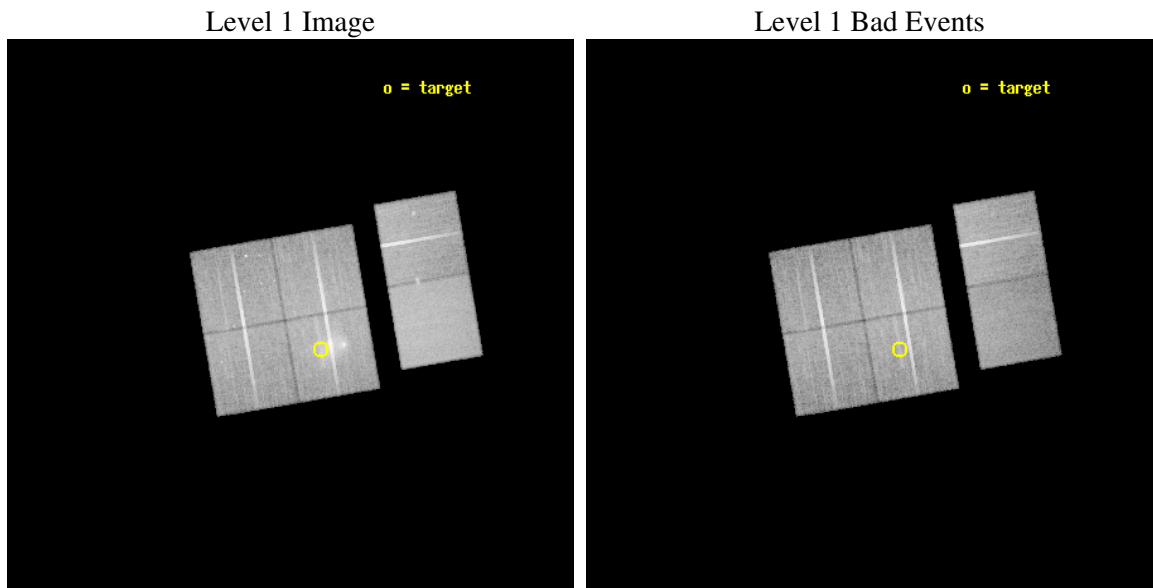
seq_num	800062
obs_id	554
title	TEMPERATURE AND STRUCTURE OF A VERY HOT CLUSTER
observer	Van Speybroeck Murray
object	1E 0657-56
dtcycle	0
cycle	P
ra_targ	104.657917
dec_targ	-55.95
ra_nom	104.75130842957
dec_nom	-55.903873886023
roll_nom	80.286064511807
revision	2
ontime	26121.436113641
livetime	25790.670761129
ontime0	26124.677073881
ontime1	26124.677093789
ontime2	26124.677073881
ontime3	26121.436113641
ontime6	26124.677073881
ontime7	26124.677073881
l2events	253411



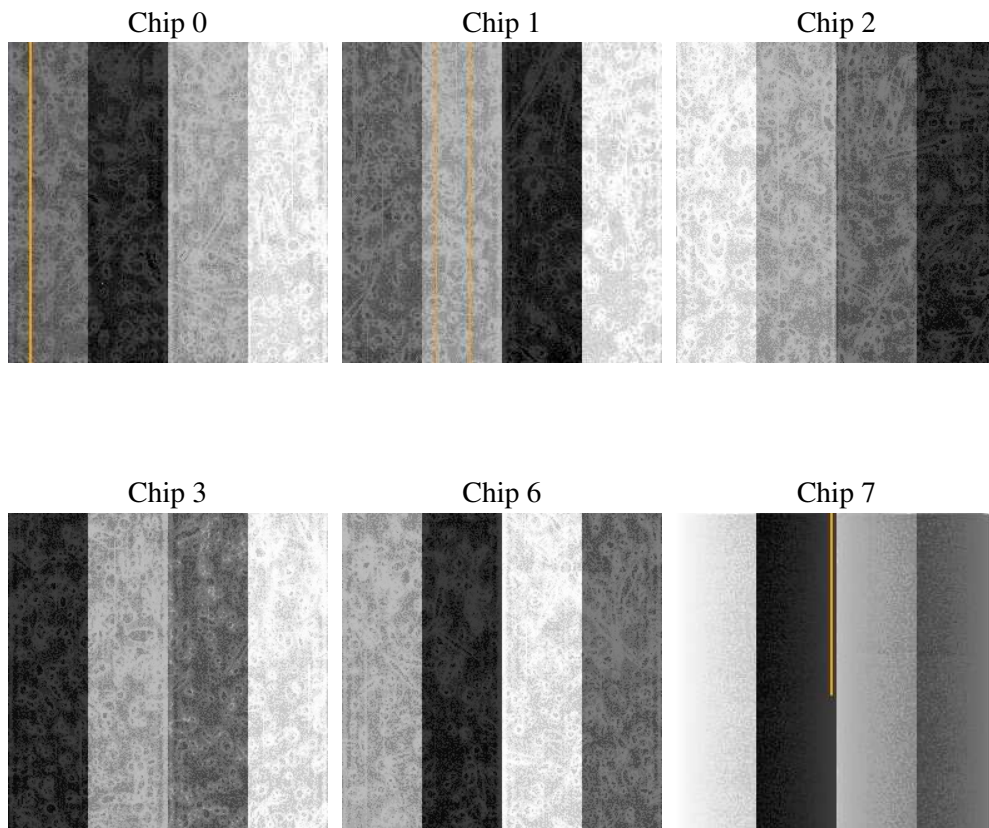
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-12T12:15:31
revision	2

sched_exp_time	26000.000000
ontime	26121.436113641
ontime0	26124.677073881
ontime1	26124.677093789
ontime2	26124.677073881
ontime3	26121.436113641
ontime6	26124.677073881
ontime7	26124.677073881
l1events	1219849

2.1.4 Events

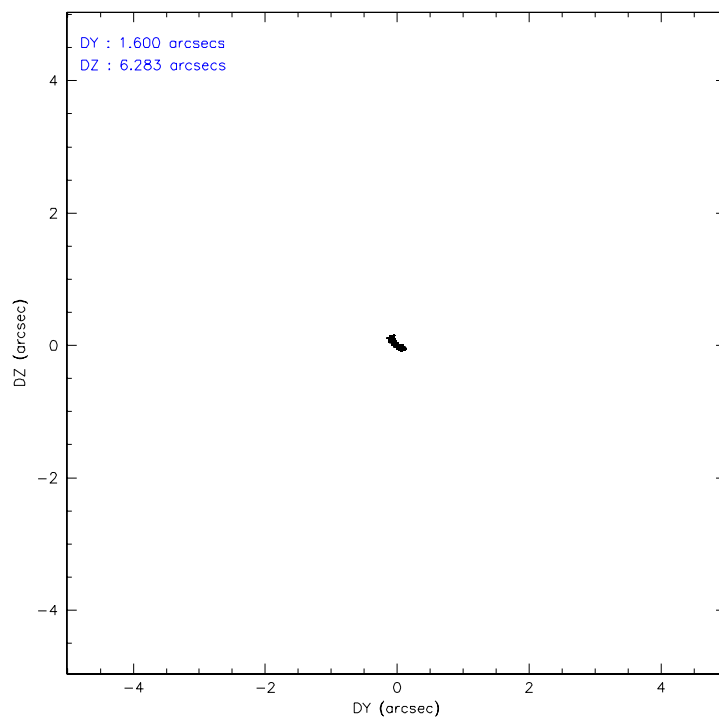
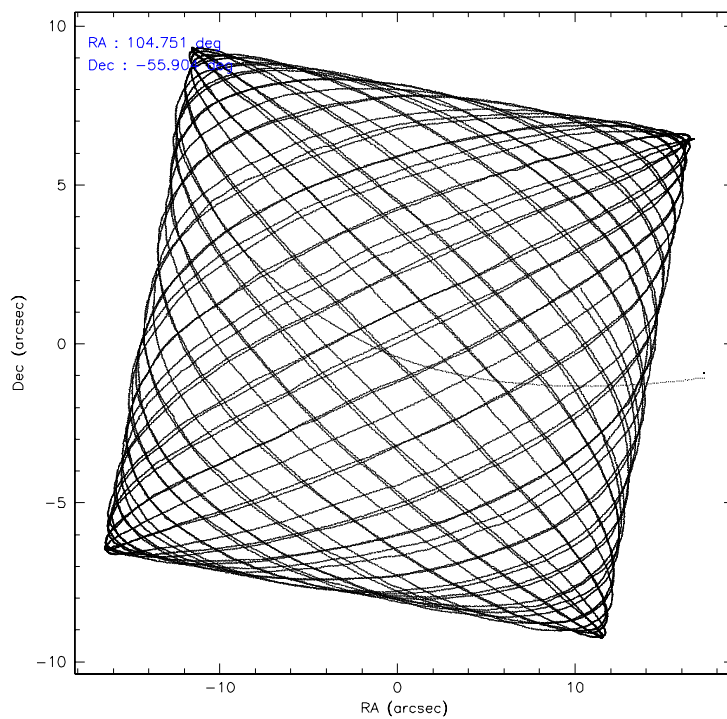
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	175063	171704	194915	230555	201553	246059
rejected events	150789	148025	171854	170190	177000	127033
rejected %	86%	86%	88%	73%	87%	51%

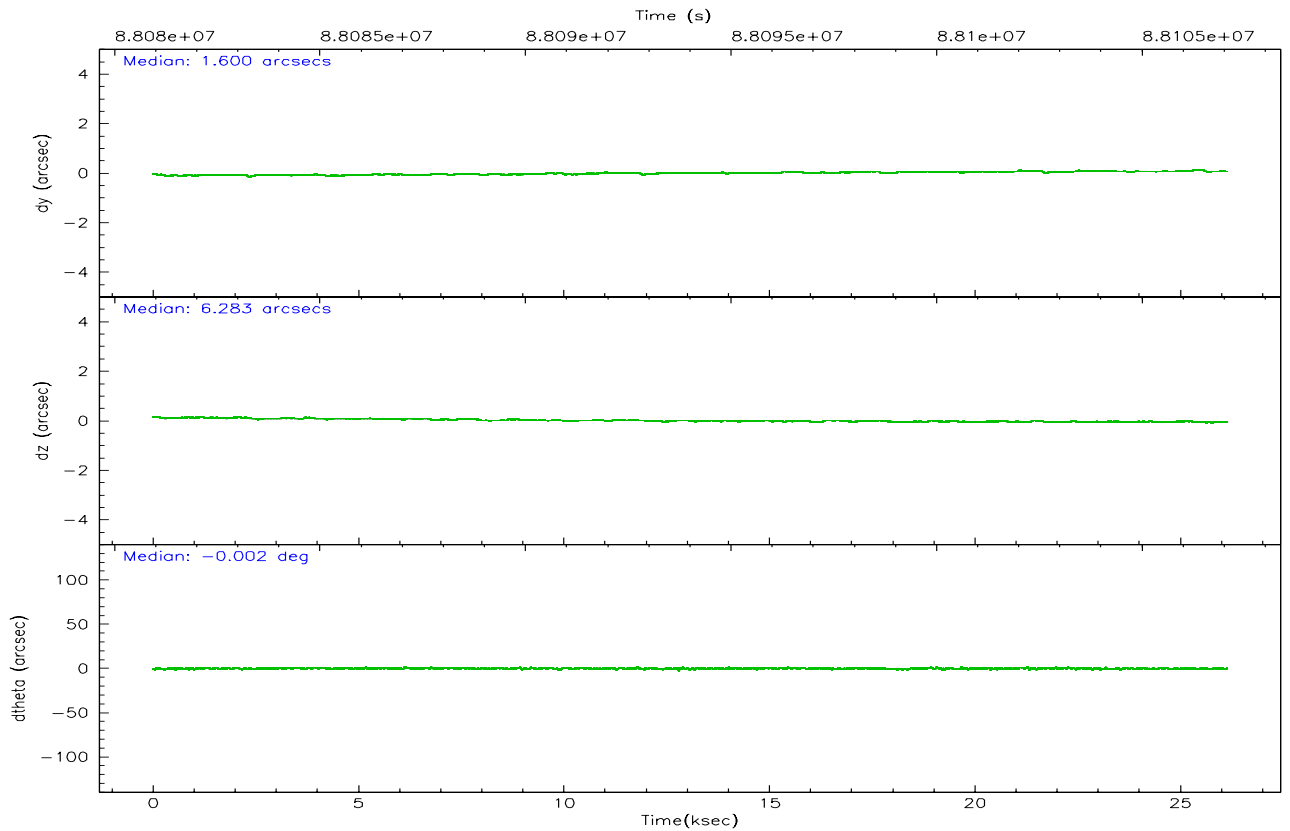
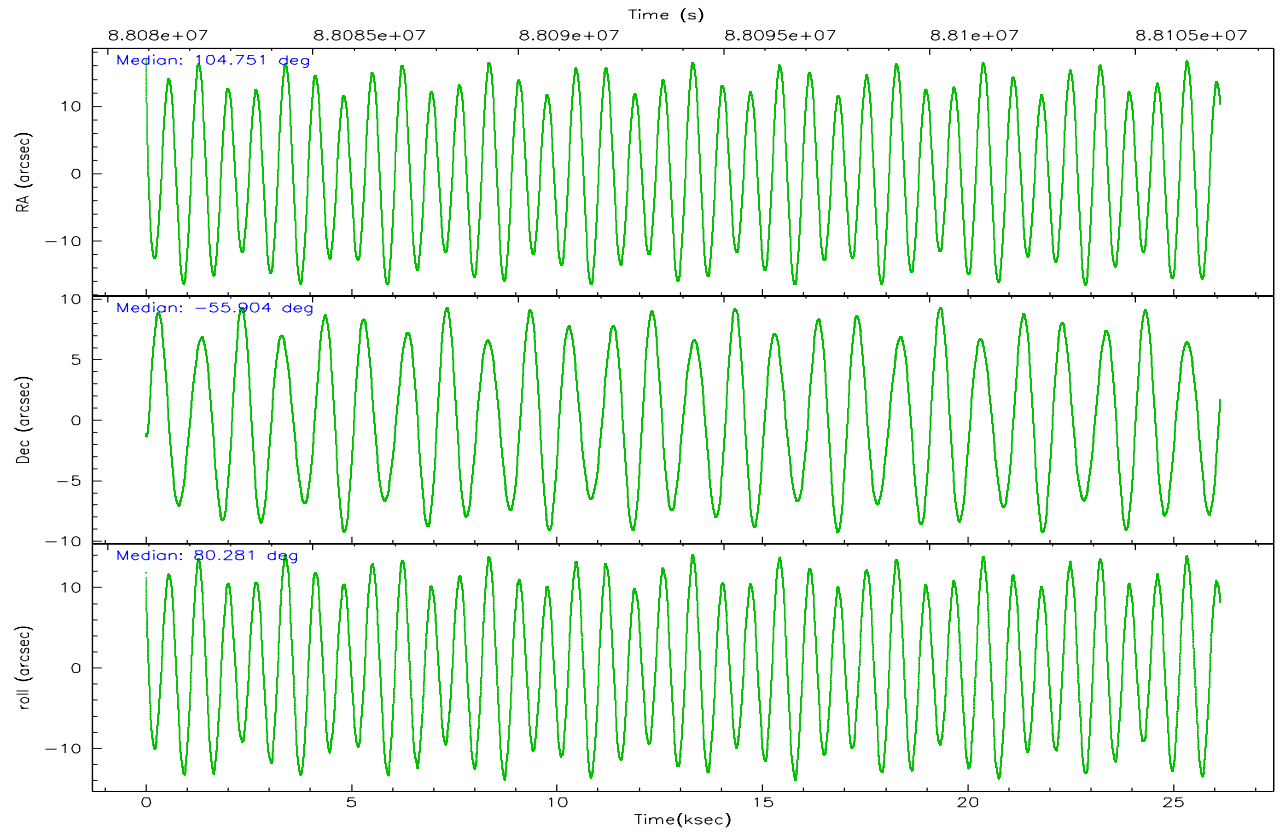
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	12286	11084	11551	42194	12128	13388
	7%	6%	5%	18%	6%	5%
grade 1 events	105	77	108	223	178	196
	0%	0%	0%	0%	0%	0%
grade 2 events	4920	4584	4814	8217	4819	24187
	2%	2%	2%	3%	2%	9%
grade 3 events	2233	2289	1962	3203	2162	10912
	1%	1%	1%	1%	1%	4%
grade 4 events	1949	2311	1974	3167	2062	10932
	1%	1%	1%	1%	1%	4%
grade 5 events	5774	6094	5570	6290	7013	20674
	3%	3%	2%	2%	3%	8%
grade 6 events	3600	4067	3434	4488	4038	62340
	2%	2%	1%	1%	2%	25%
grade 7 events	144196	141198	165502	162773	169153	103430
	82%	82%	84%	70%	83%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	104.768215	104.7513084295708	Subarray requested	NONE	NONE
Pointing Dec	-55.929701	-55.90387388602284	Alternating exposures requested	N	N
Pointing Roll	80.091384	80.28606451180694	Primary exposure time	3.200000	3.2
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	88081075.184000	88079672.136932			
Observation start date	2000-10-16T10:56:51	2000-10-16T10:34:32			
Observation end time	88107075.184000	88107659.25048999			
Observation end date	2000-10-16T18:10:11	2000-10-16T18:20:59			
Read mode	TIMED	TIMED			

2.3 Aspect



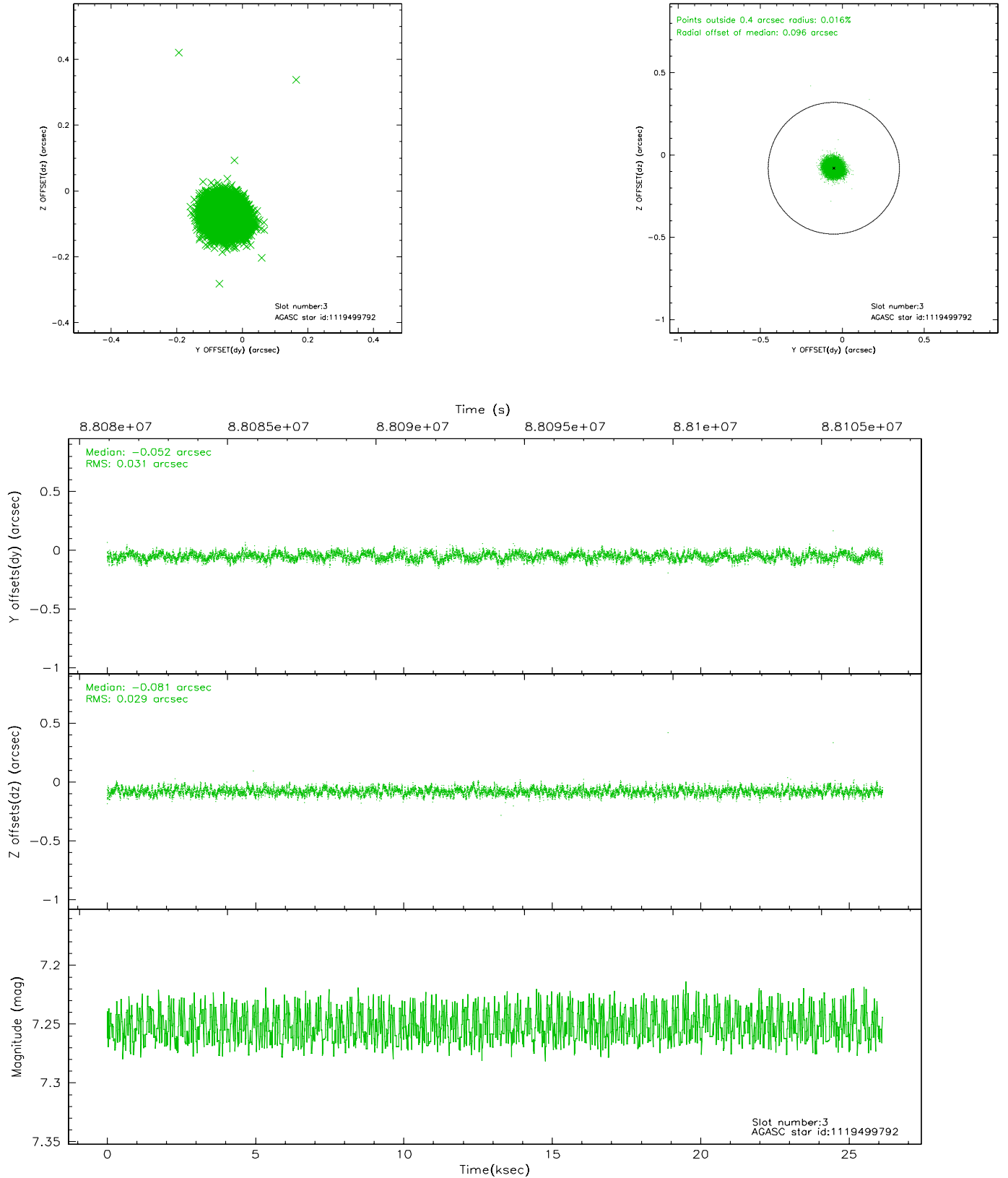


Slot Statistics

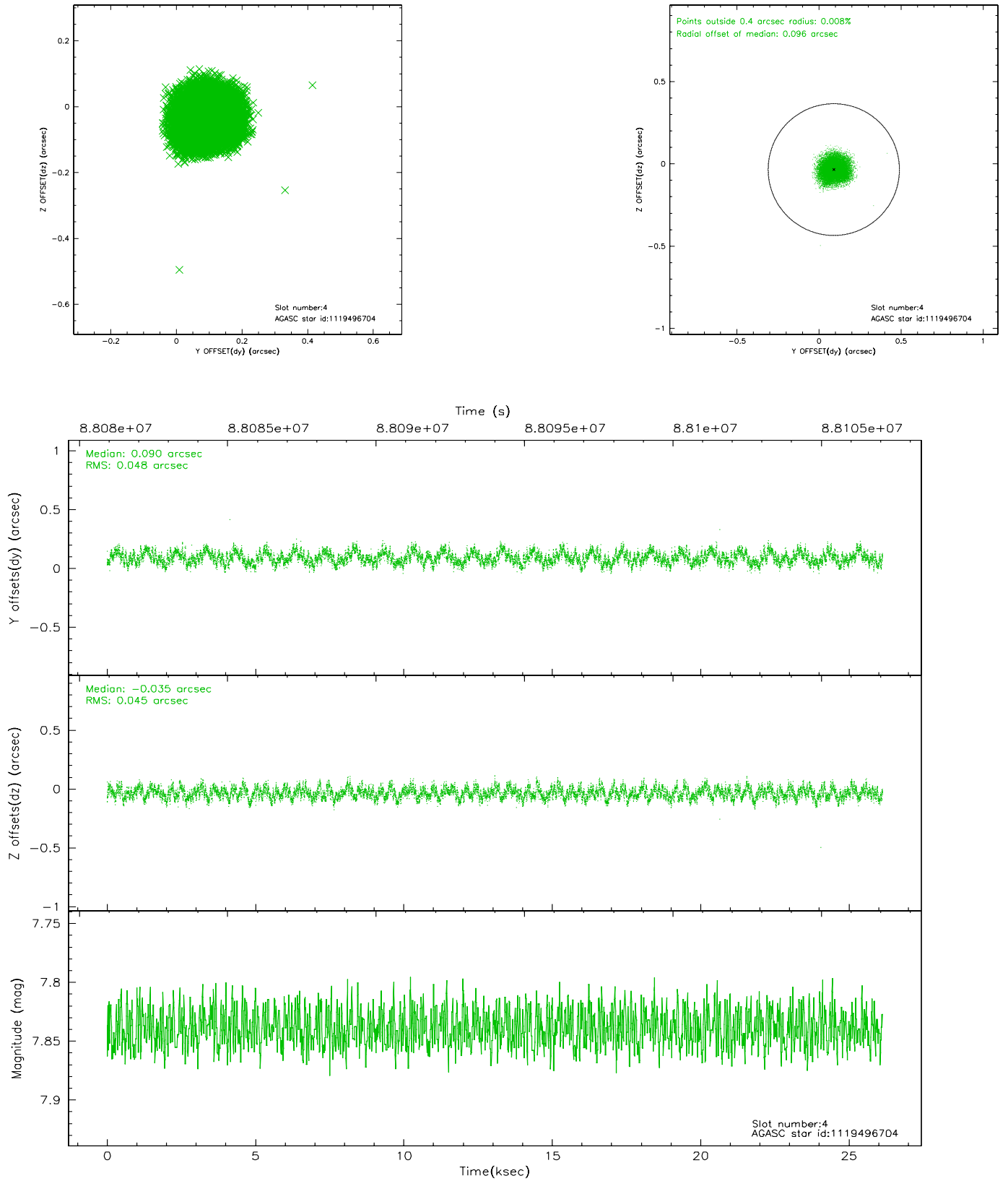
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	6373	-0.031	-0.040	0.009	0.015	0.000000	0.000000	-755.97	-836.08
1	FID	ACIS-I-4	7.18	6372	-0.082	0.037	0.005	0.009	0.000000	0.000000	2157.99	1070.13
2	FID	ACIS-I-5	7.23	6372	0.012	0.072	0.009	0.014	0.000000	0.000000	-1809.62	1068.11
3	GUIDE	1119499792	7.25	12740	-0.052	-0.081	0.046	0.071	104.350048	-56.101305	-755.76	720.56
4	GUIDE	1119496704	7.84	12741	0.090	-0.035	0.072	0.109	104.368364	-55.667750	786.76	962.04
5	GUIDE	1120027376	7.84	12746	-0.027	0.029	0.053	0.086	105.445282	-56.621416	-2228.75	-1750.46
6	GUIDE	1119502352	8.10	12743	-0.038	0.097	0.054	0.089	105.547994	-55.440239	2000.76	-1266.55
7	GUIDE	1119495496	8.29	12741	0.026	-0.006	0.057	0.092	104.298364	-55.915101	-114.55	942.50

2.4 Star Slots

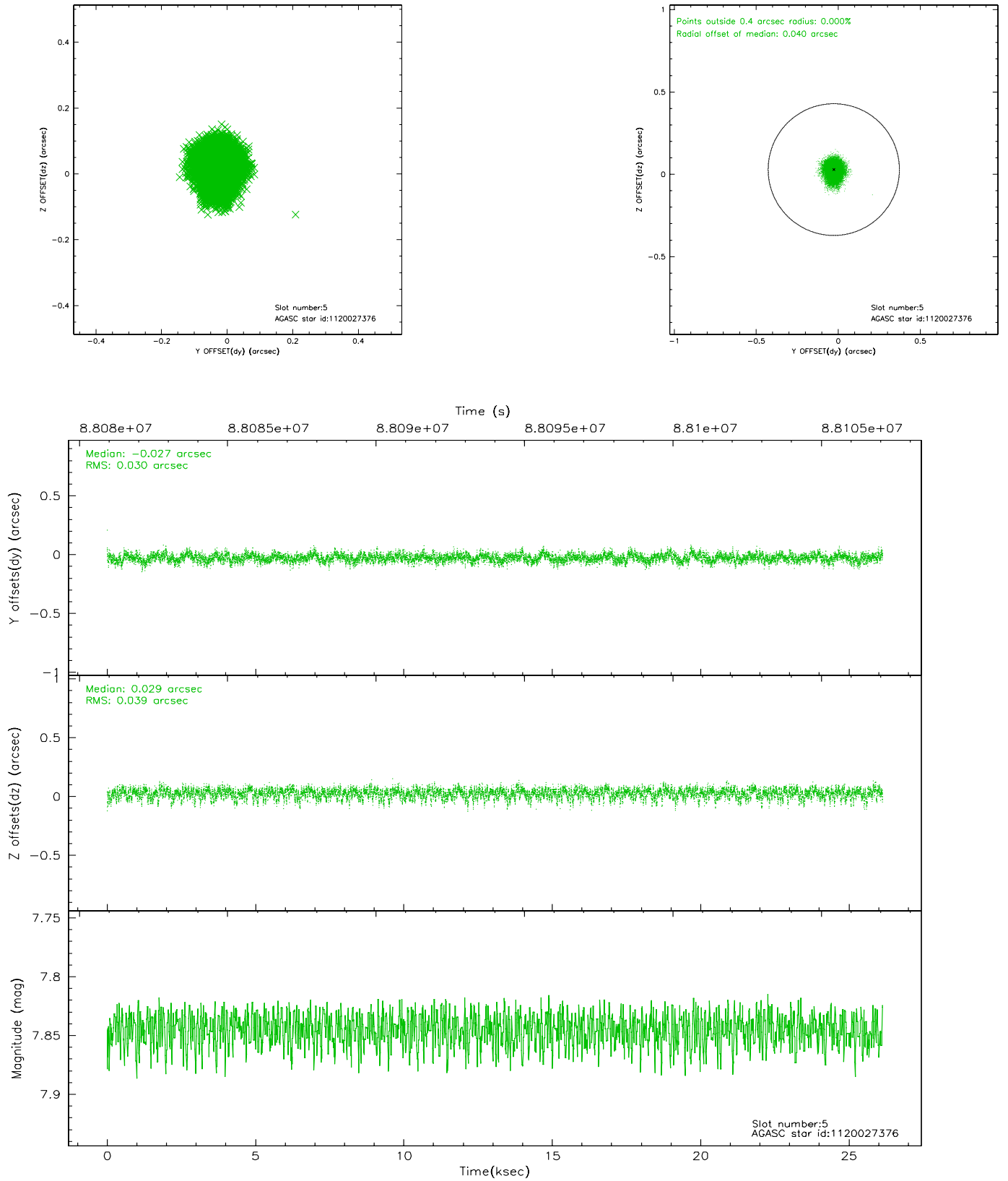
2.4.1 Slot 3



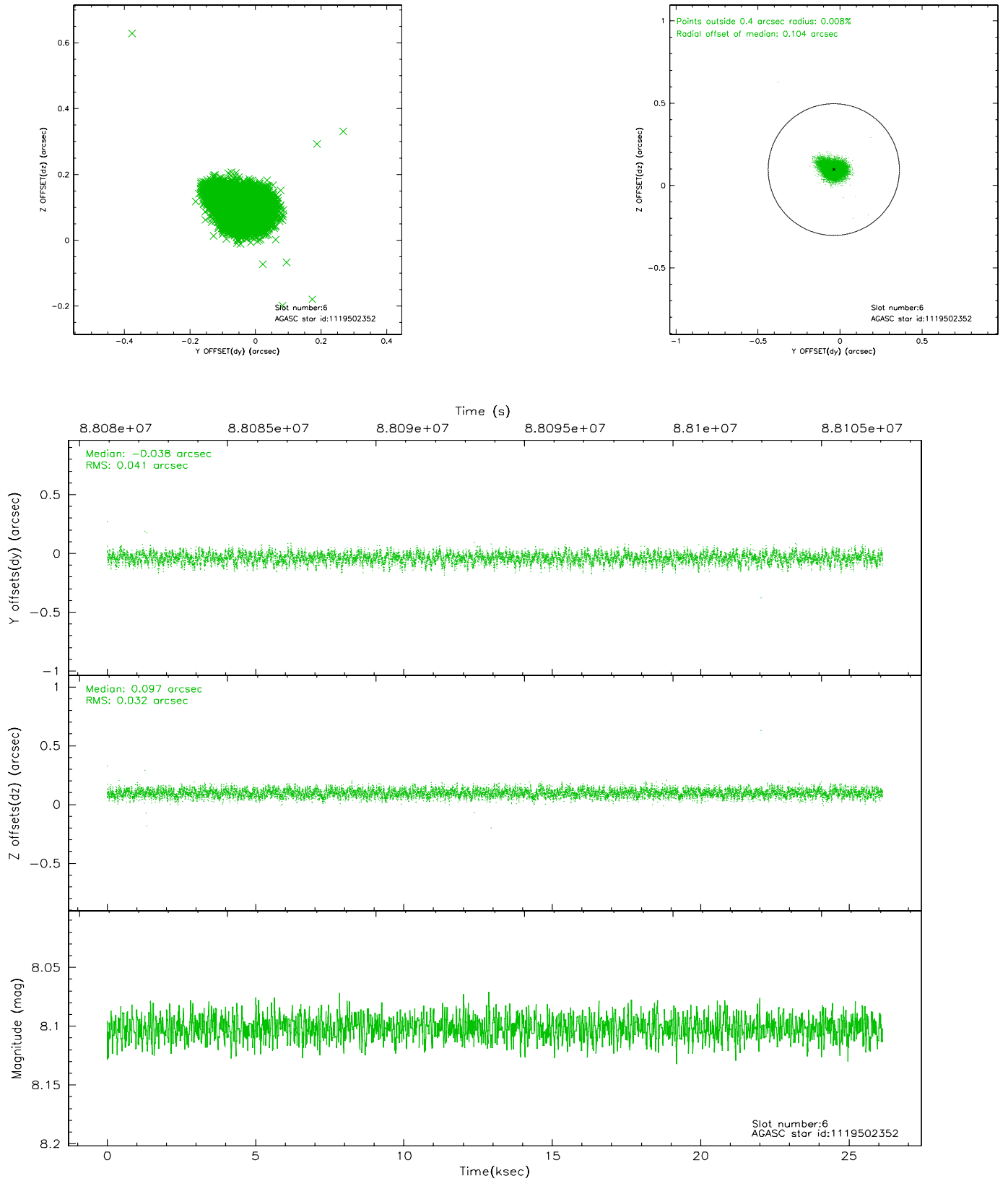
2.4.2 Slot 4



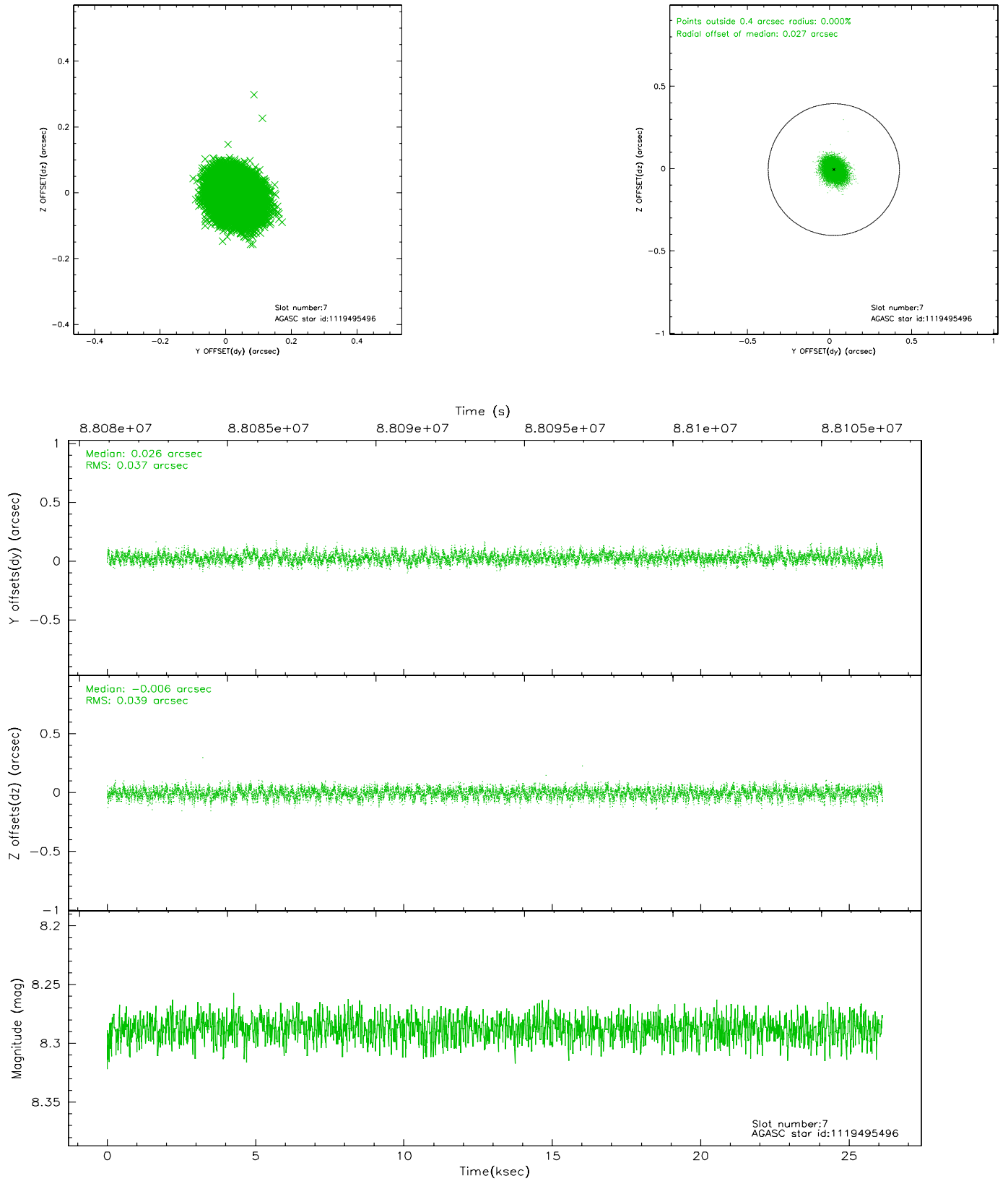
2.4.3 Slot 5



2.4.4 Slot 6

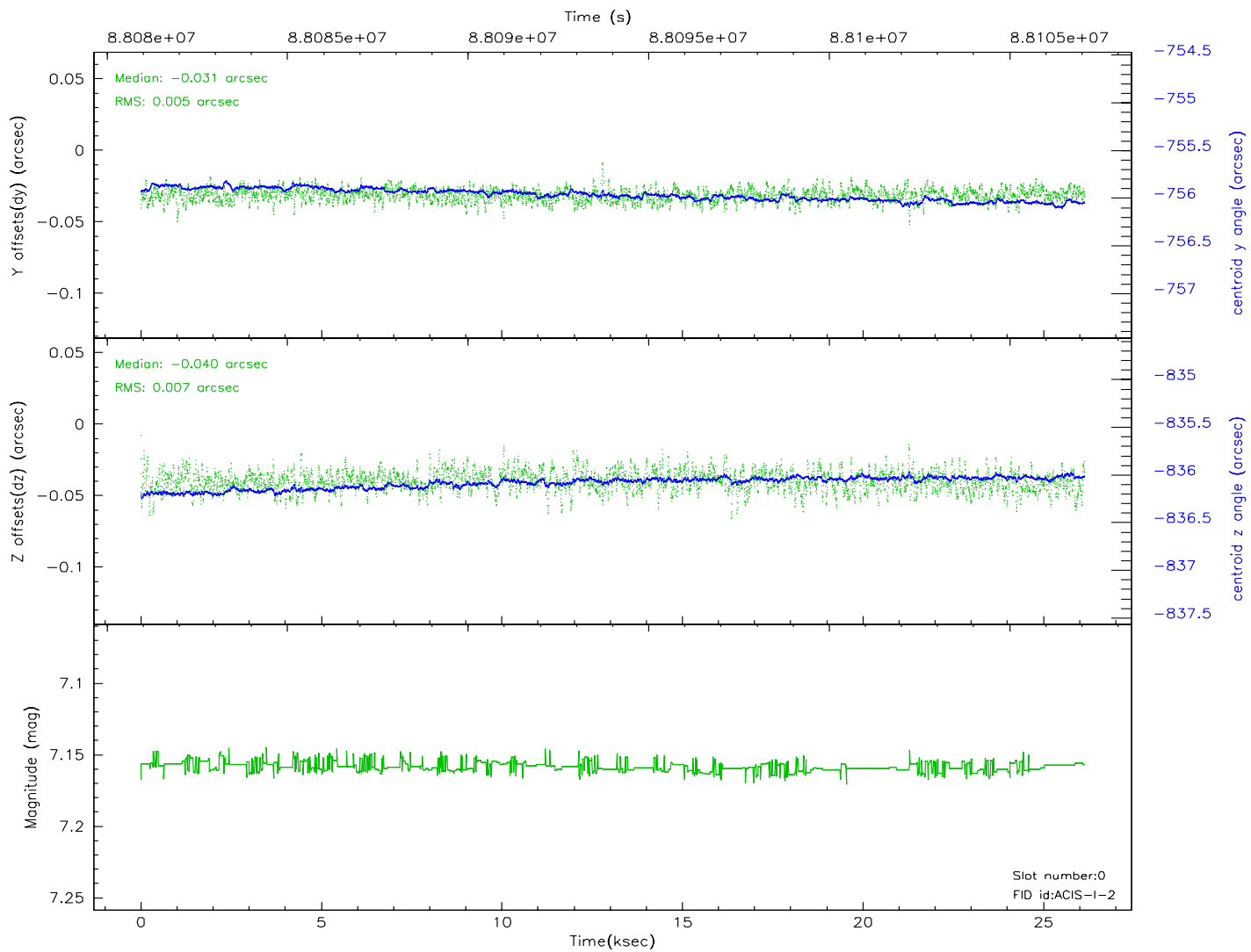
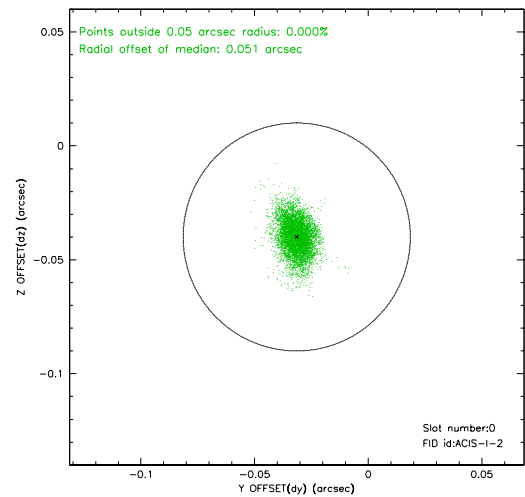
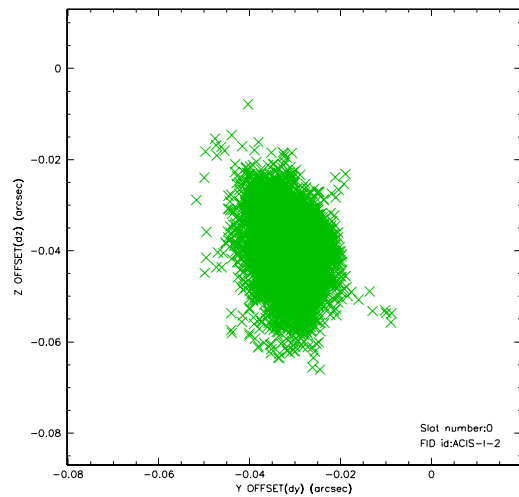


2.4.5 Slot 7

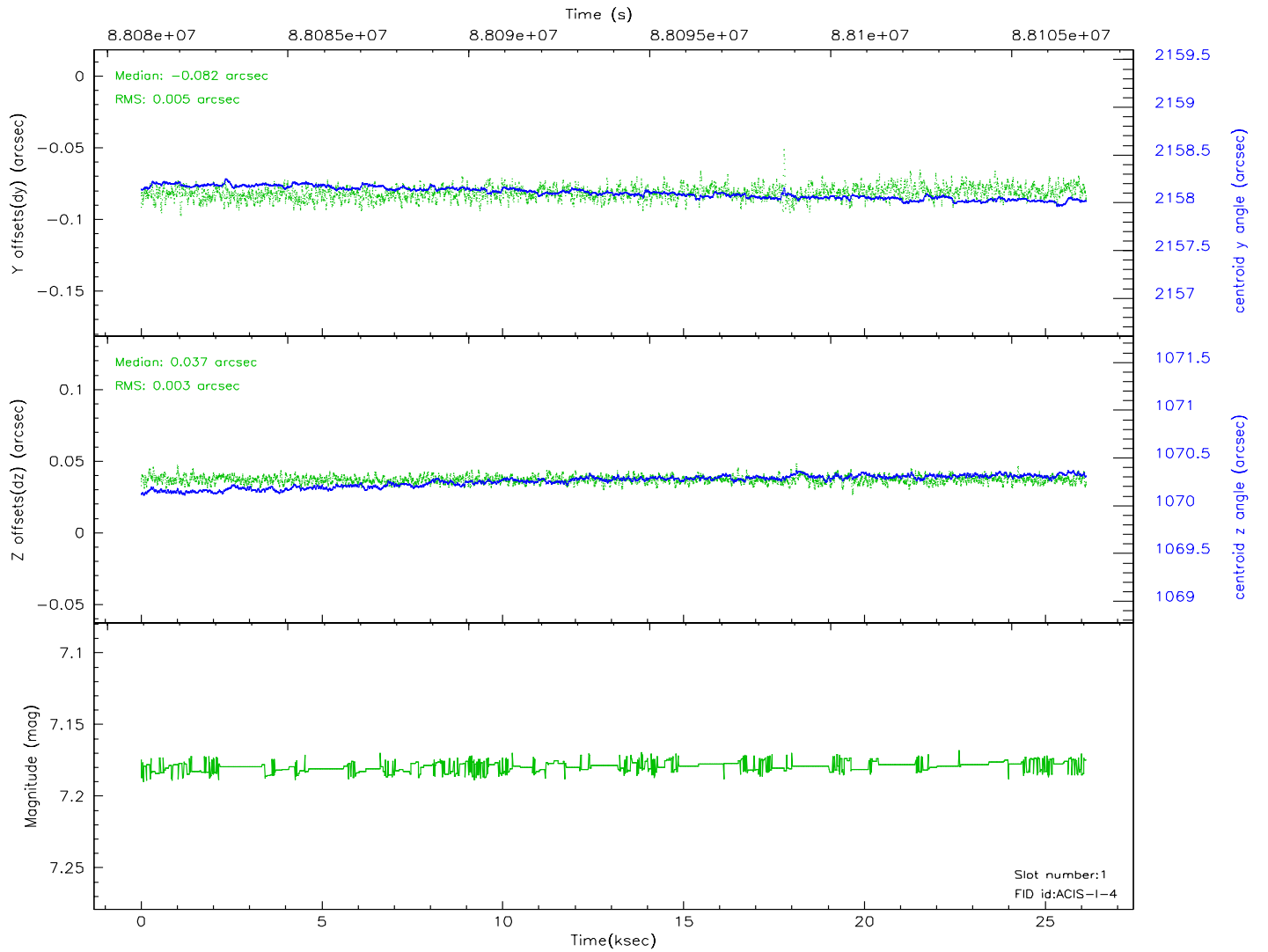
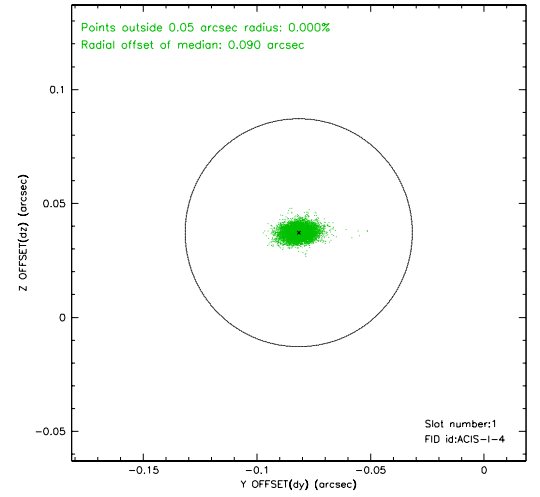
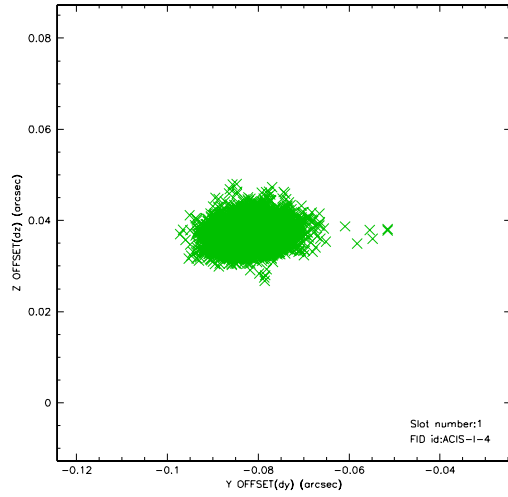


2.5 FID Slots

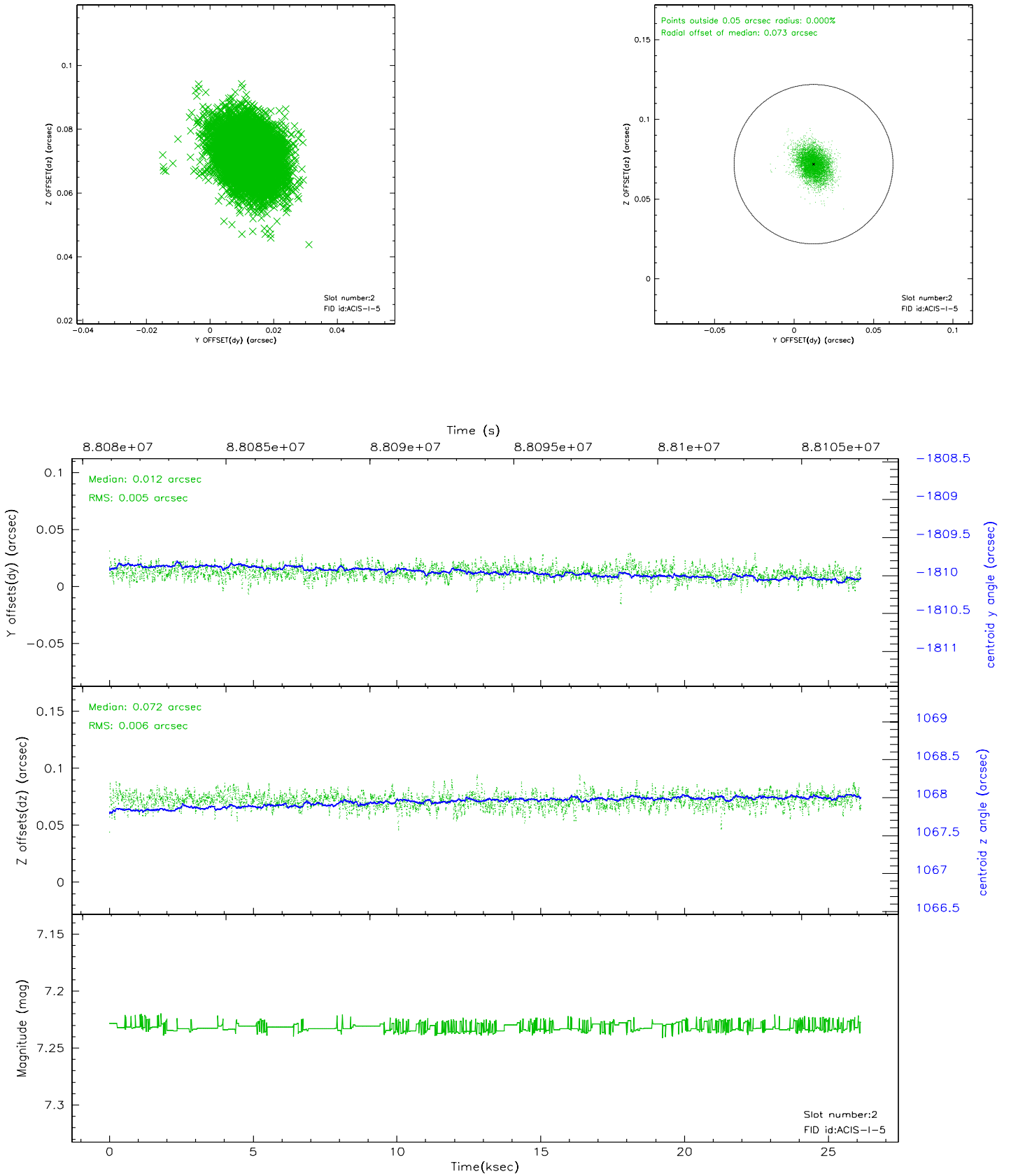
2.5.1 Slot 0



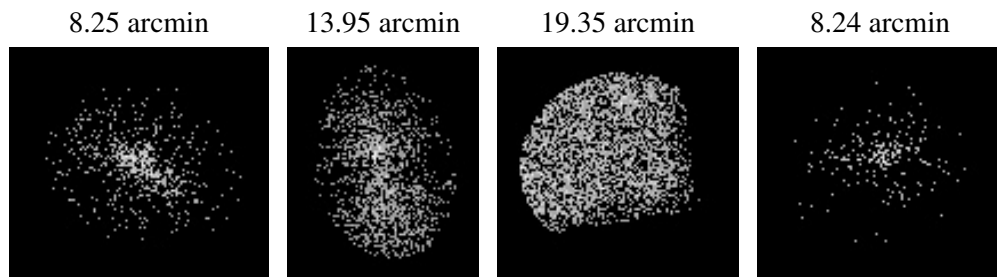
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.121

A.2 Comments

Roll constraint met.