

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4727 - L2 Version 001
Chandra X-Ray Center

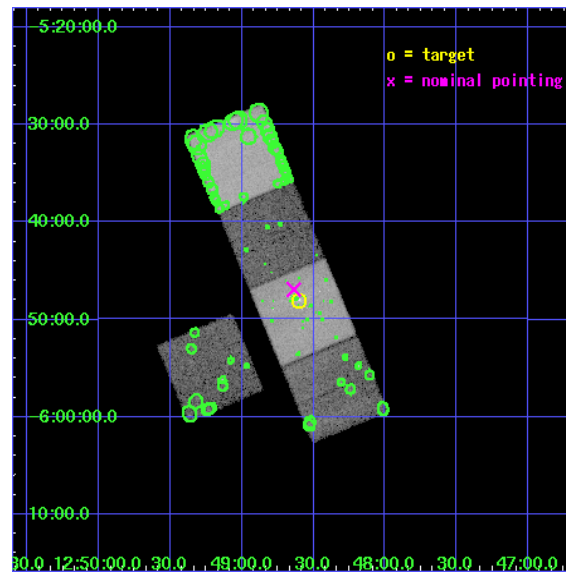
L2 Processing Date : Jun 22 2006

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1 Front

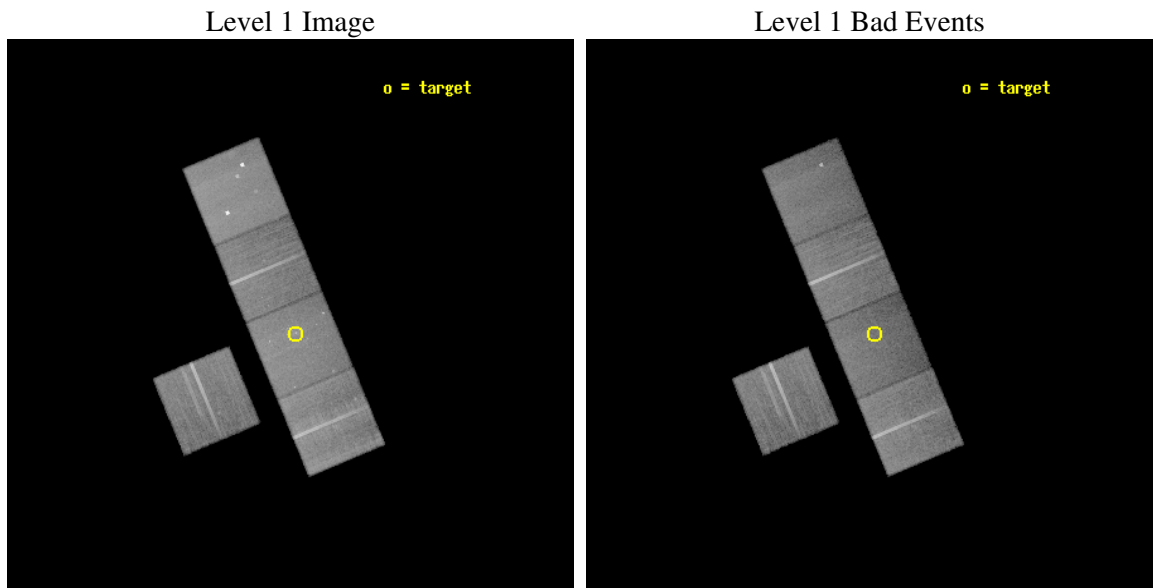
seq_num	600382
obs_id	4727
title	Deep Chandra and Hubble Observations NGC 4697, the Nearest Optically Luminous, X-ray Faint Elliptical Galaxy
observer	Dr. Craig Sarazin
object	NGC4697
dtcycle	0
cycle	P
ra_targ	192.149583
dec_targ	-5.800556
ra_nom	192.15919852083
dec_nom	-5.7821314002562
roll_nom	67.314873290407
revision	2
ontime	40448.799922228
livetime	39920.306573271
ontime3	40442.517991722
ontime5	40448.799922228
ontime6	40445.65893209
ontime7	40448.799922228
ontime8	40445.658951968
l2events	295074



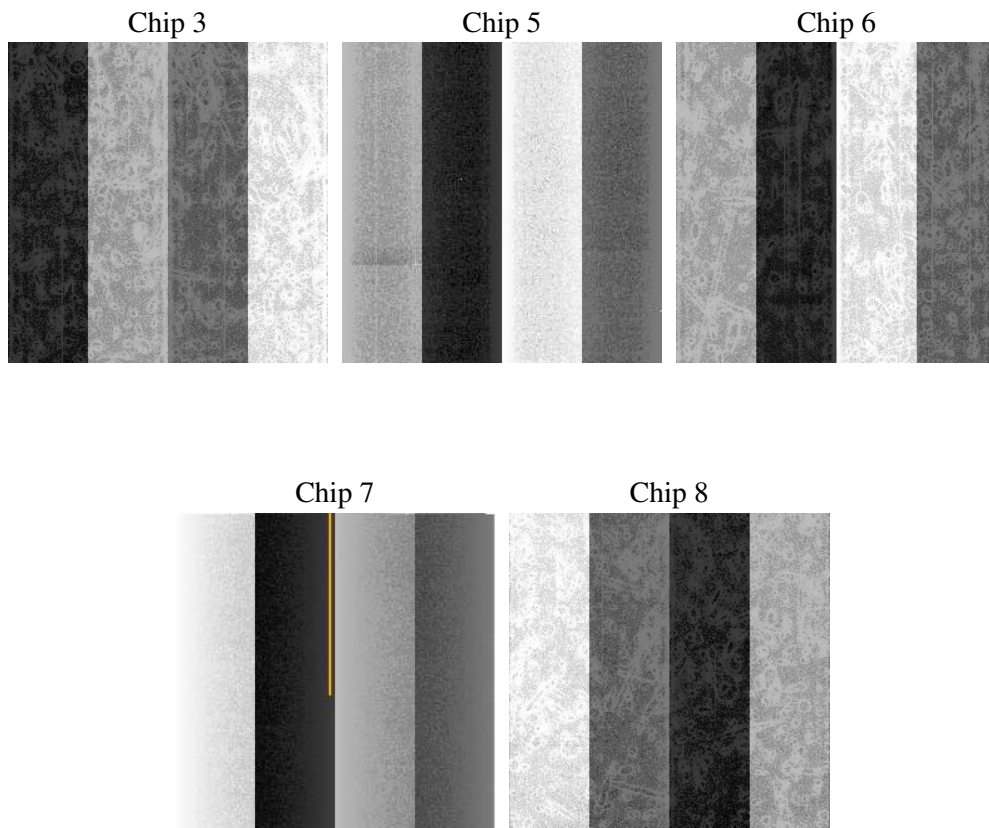
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-22T10:42:09
revision	2

sched_exp_time	40300.000000
ontime	40767.077582836
ontime3	40760.79565233
ontime5	40767.077582836
ontime6	40763.936592698
ontime7	40767.077582836
ontime8	40763.936612576
l1events	1225200

2.1.4 Events

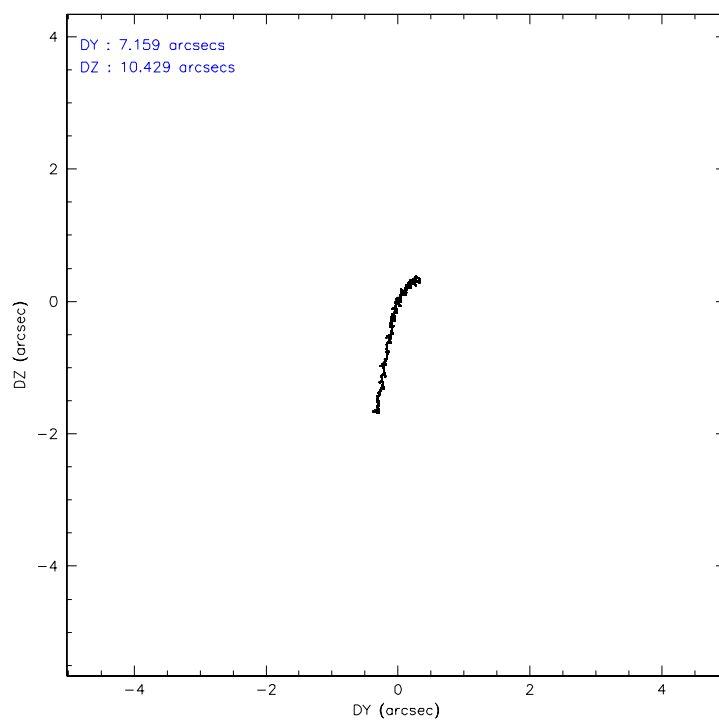
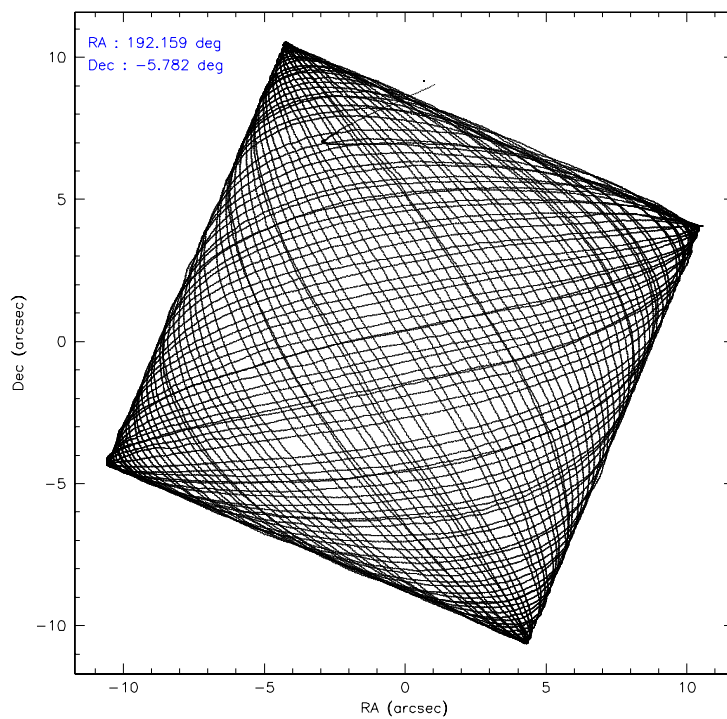
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	208011	295901	212097	243586	265605
rejected events	187394	151210	189058	137374	203330
rejected %	90%	51%	89%	56%	76%

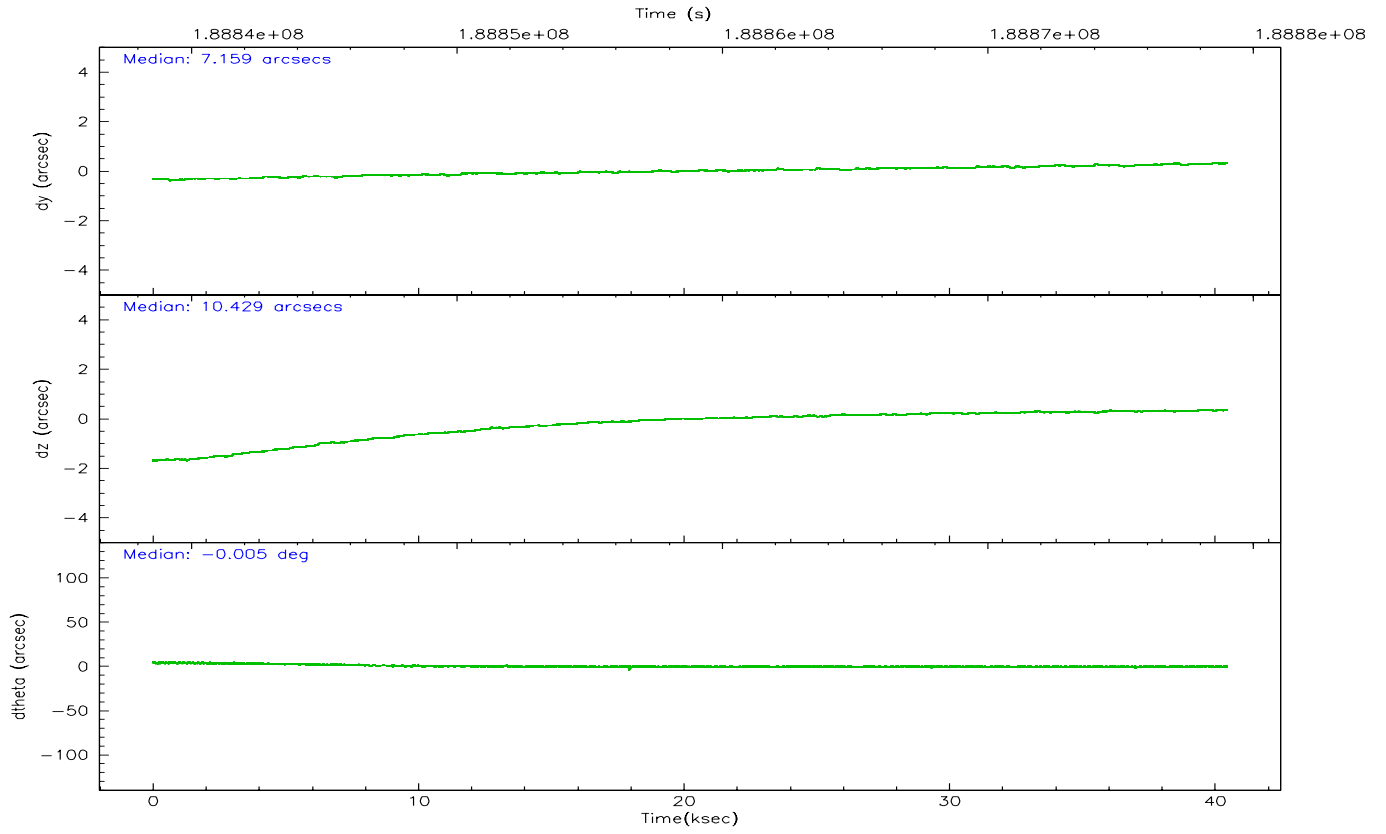
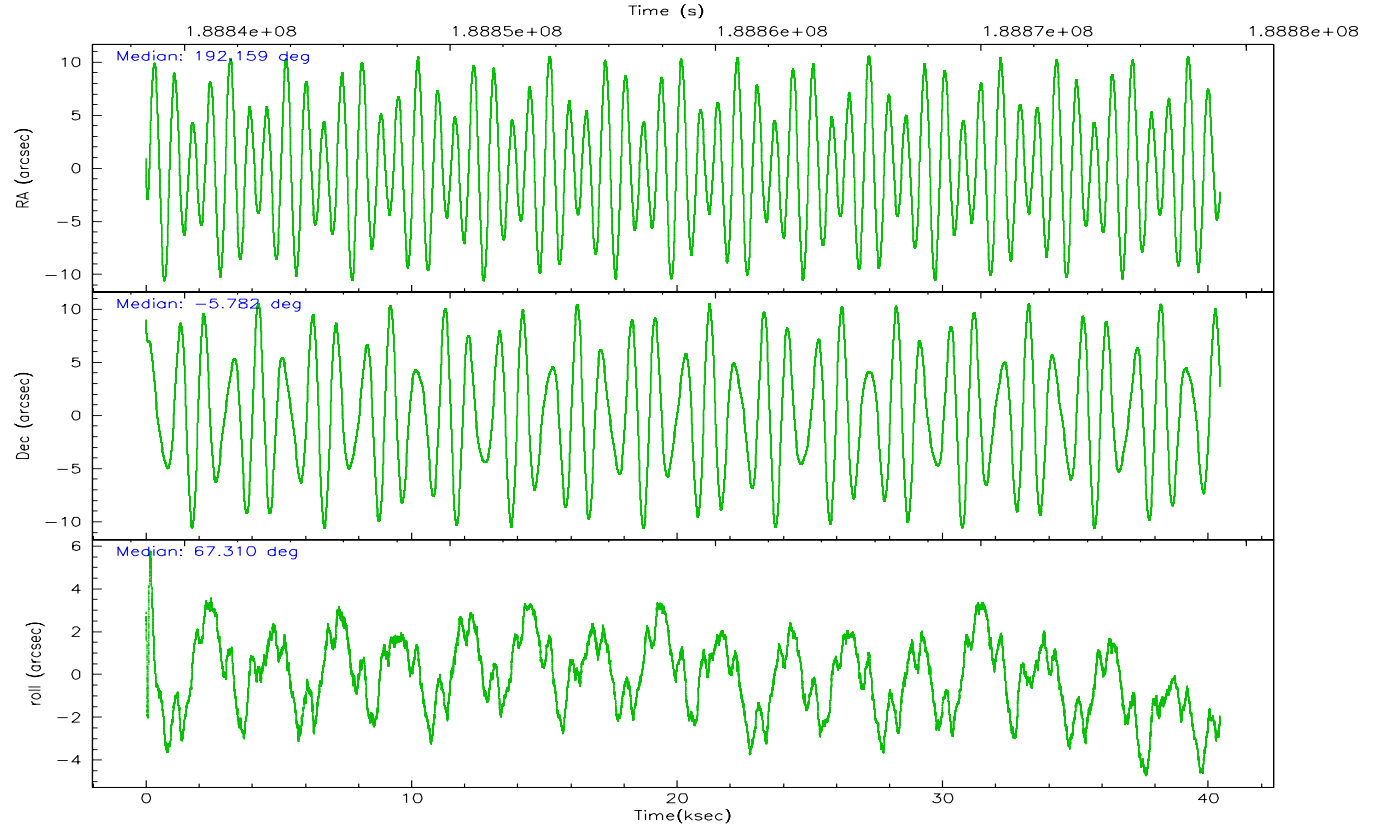
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7830	17453	8802	9306	20417
	3%	5%	4%	3%	7%
grade 1 events	112	1386	80	110	212
	0%	0%	0%	0%	0%
grade 2 events	4355	43968	4733	26418	12926
	2%	14%	2%	10%	4%
grade 3 events	2278	3881	2490	6931	6994
	1%	1%	1%	2%	2%
grade 4 events	2295	3802	2448	6621	6520
	1%	1%	1%	2%	2%
grade 5 events	8281	15386	8588	18386	12028
	3%	5%	4%	7%	4%
grade 6 events	4019	76790	4754	57702	15922
	1%	25%	2%	23%	5%
grade 7 events	178841	133235	180202	118112	190586
	85%	45%	84%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	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	192.163052	192.159198520835	Alternating exposures requested	N	N
Pointing Dec	-5.809098	-5.782131400256171	Primary exposure time	0.000000	3.1
Pointing Roll	67.158638	67.31487329040733			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	188838711.184000	188837570.86524			
Observation start date	2003-12-26T15:10:47	2003-12-26T14:52:50			
Observation end time	188879011.184000	188880098.62959			
Observation end date	2003-12-27T02:22:27	2003-12-27T02:41:38			
Read mode	TIMED	TIMED			

2.3 Aspect



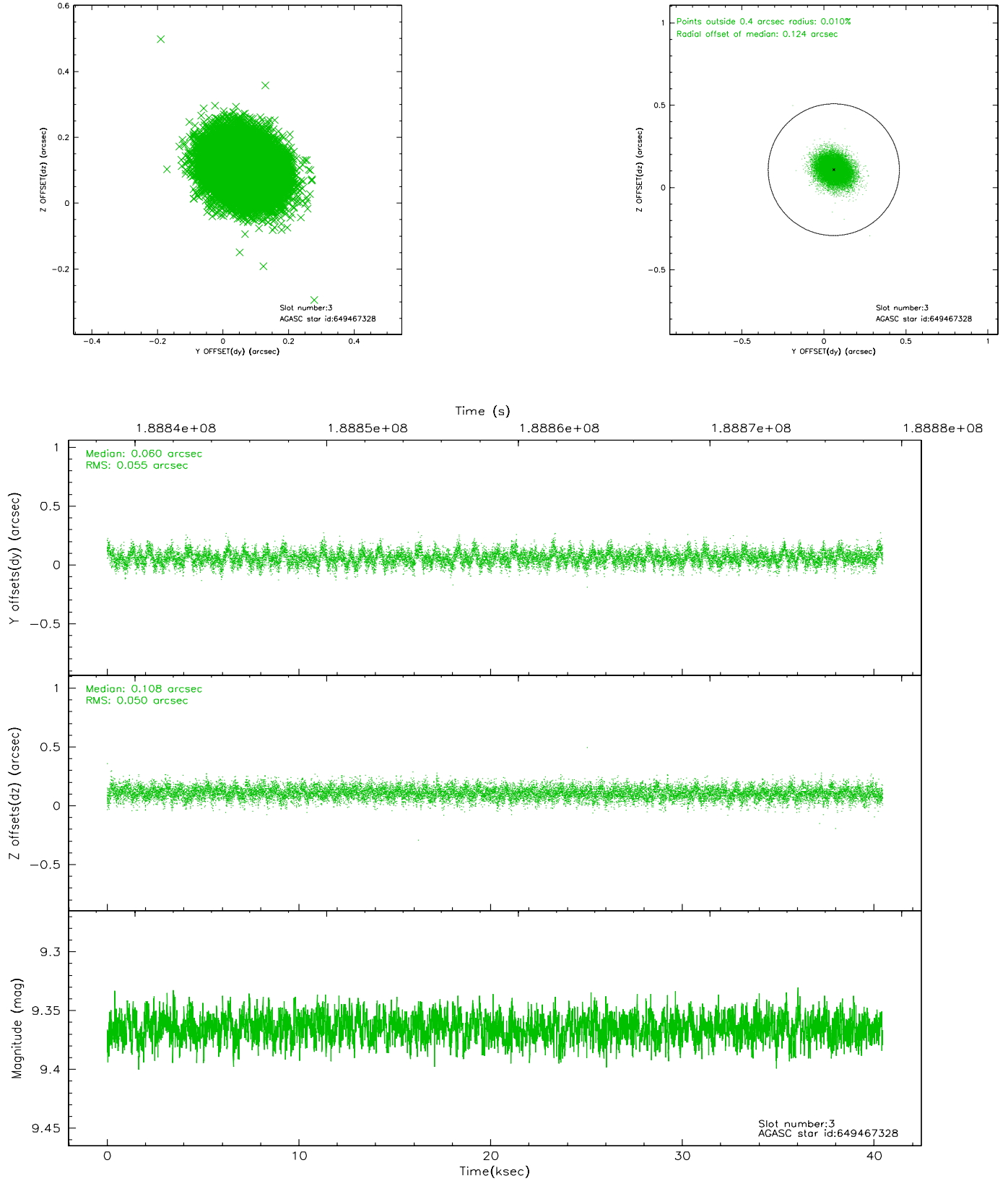


Slot Statistics

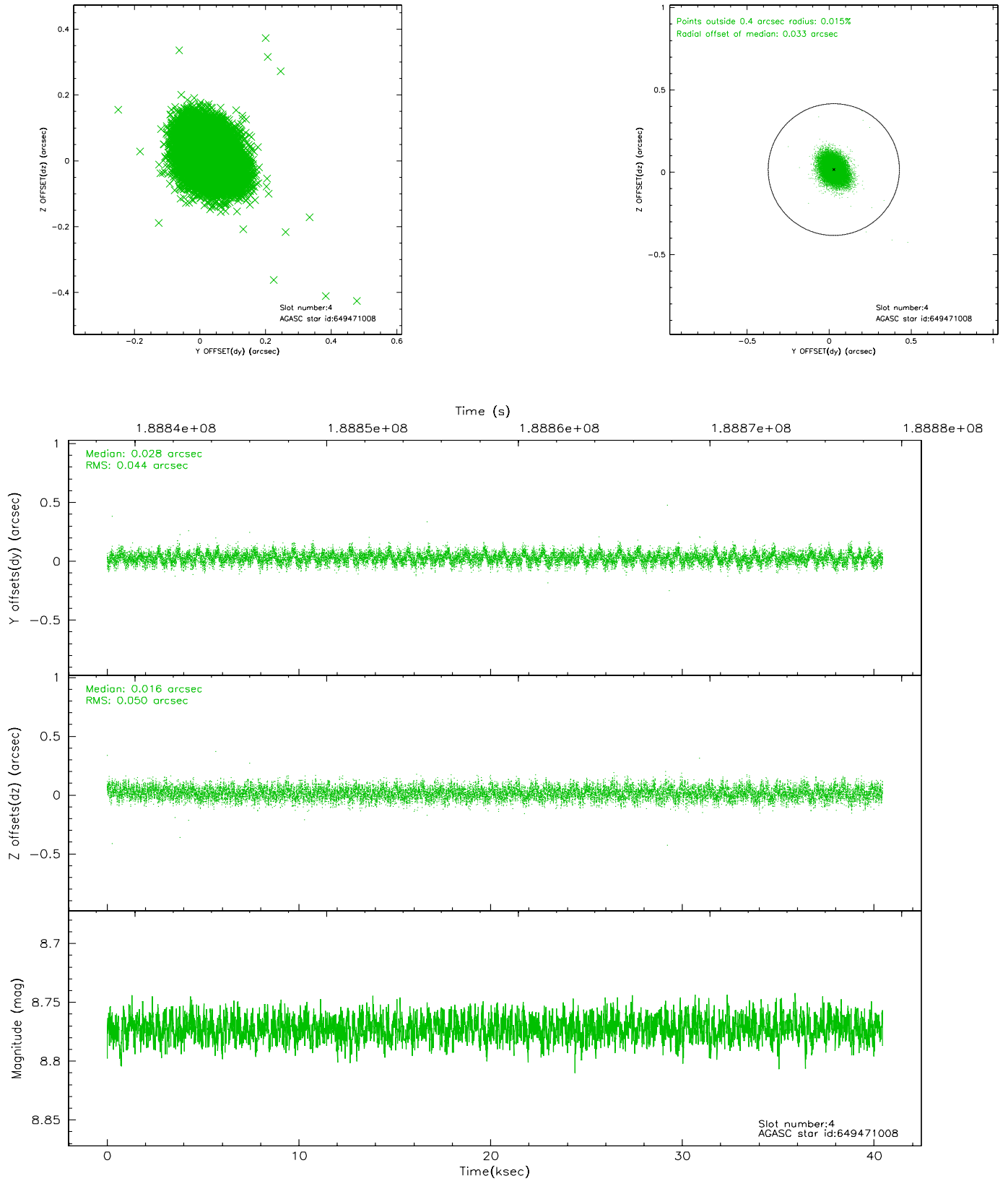
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9867	-0.025	0.016	0.011	0.038	0.000000	0.000000	-759.91	-1731.36
1	FID	ACIS-S-4	7.20	9866	0.017	0.009	0.006	0.015	0.000000	0.000000	2153.37	177.14
2	FID	ACIS-S-5	7.23	9867	-0.022	-0.016	0.010	0.037	0.000000	0.000000	-1812.76	170.75
3	GUIDE	649467328	9.37	19690	0.060	0.108	0.079	0.131	192.312268	-5.822418	163.62	-510.76
4	GUIDE	649471008	8.77	19733	0.028	0.016	0.070	0.114	191.883055	-5.890695	-659.98	810.11
5	GUIDE	649471216	9.00	19729	0.043	-0.256	0.078	0.124	192.046748	-5.955581	-647.50	178.95
6	GUIDE	649471800	8.60	19730	-0.141	-0.140	0.056	0.090	192.288030	-5.445033	1381.51	96.17
7	GUIDE	649594712	8.43	19728	0.010	0.273	0.069	0.111	192.730305	-6.061024	-48.01	-2223.39

2.4 Star Slots

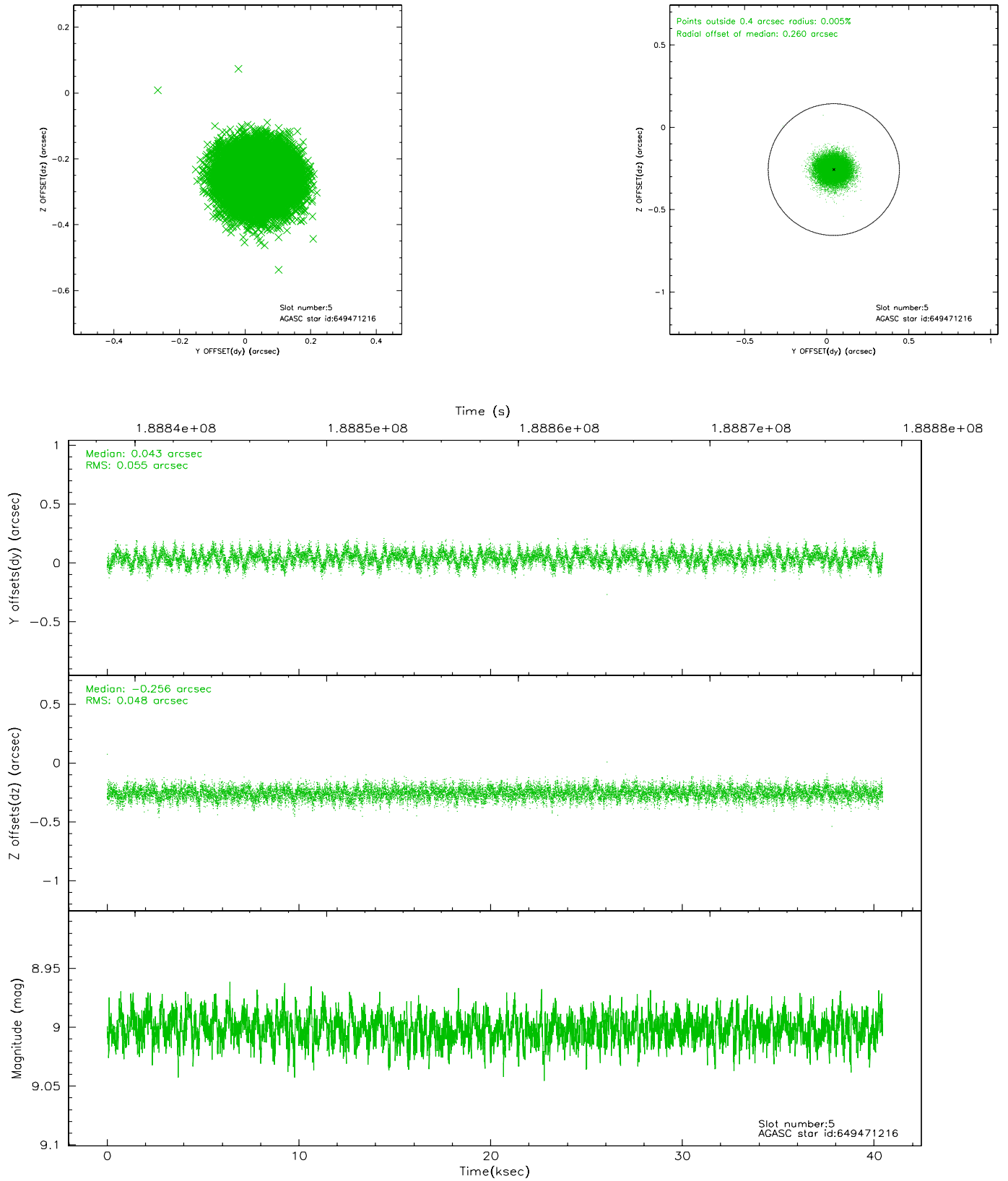
2.4.1 Slot 3



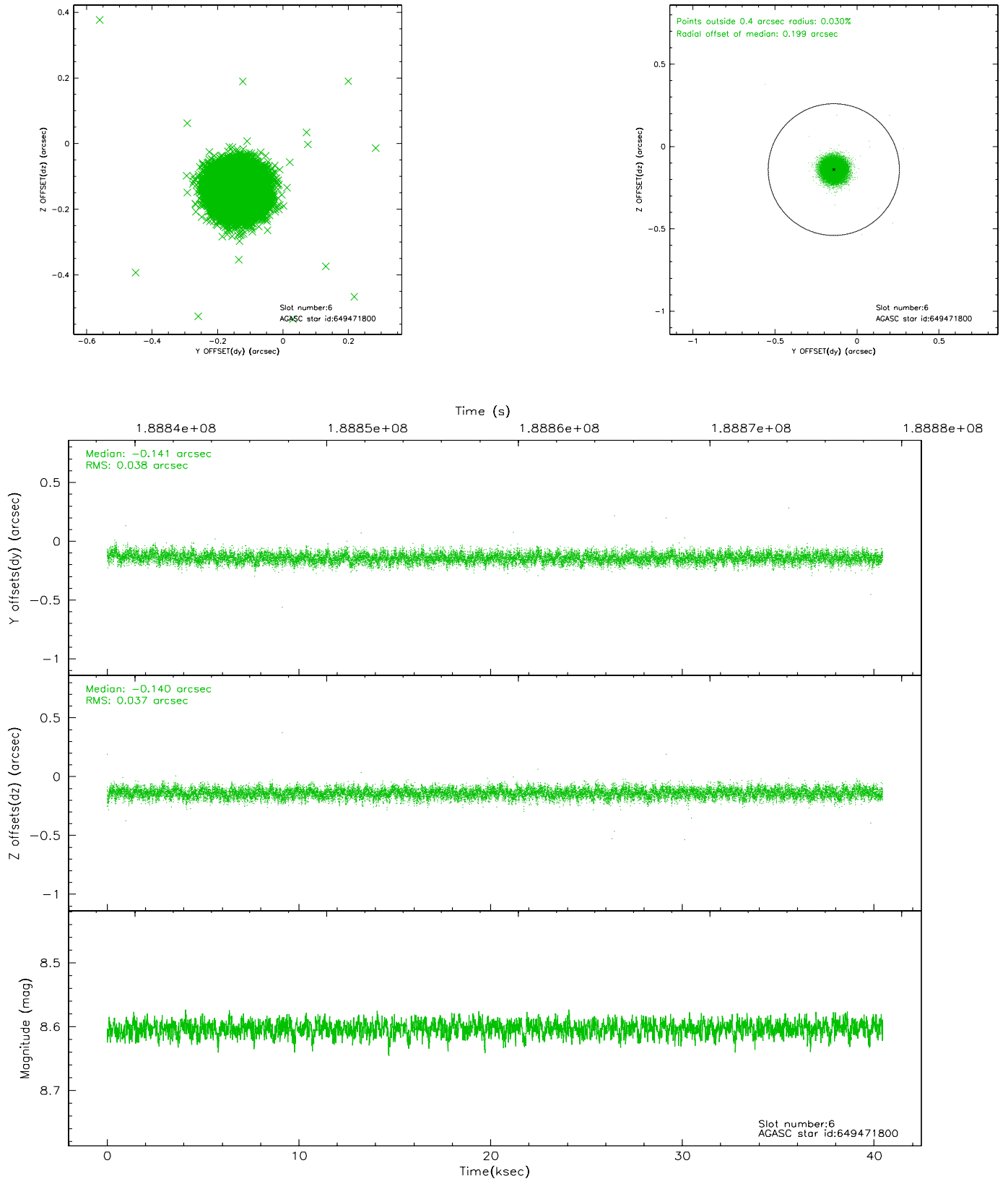
2.4.2 Slot 4



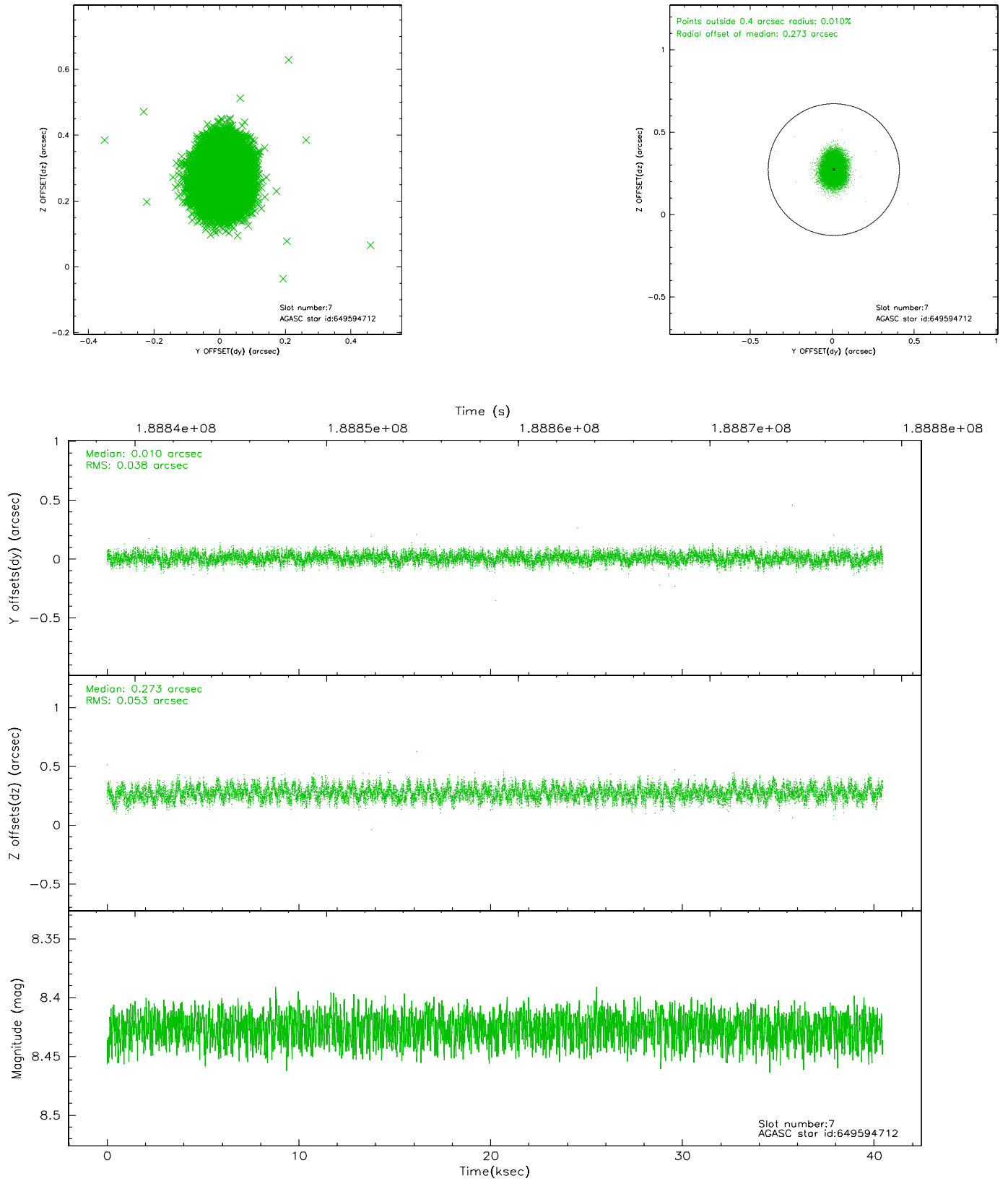
2.4.3 Slot 5



2.4.4 Slot 6

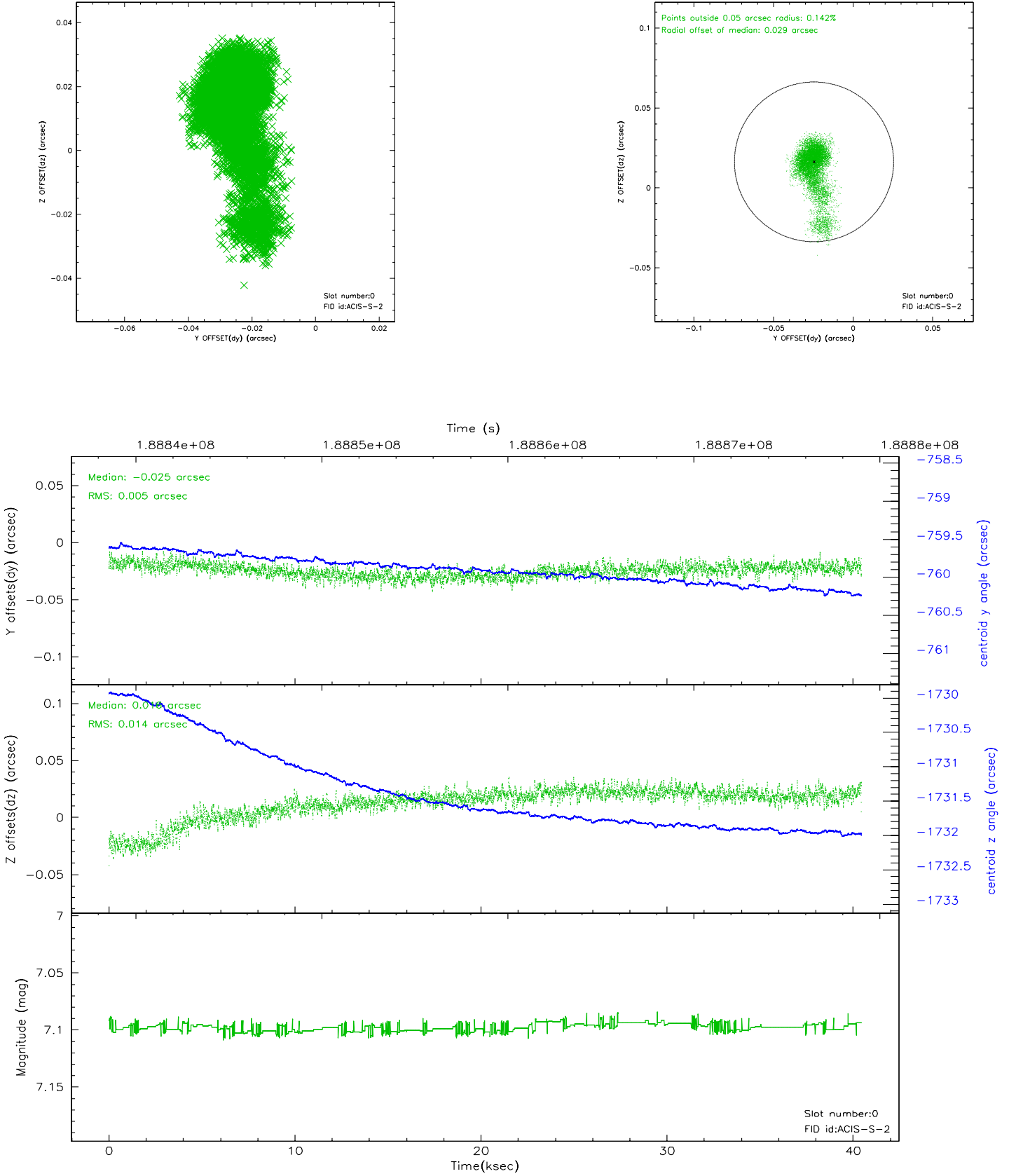


2.4.5 Slot 7

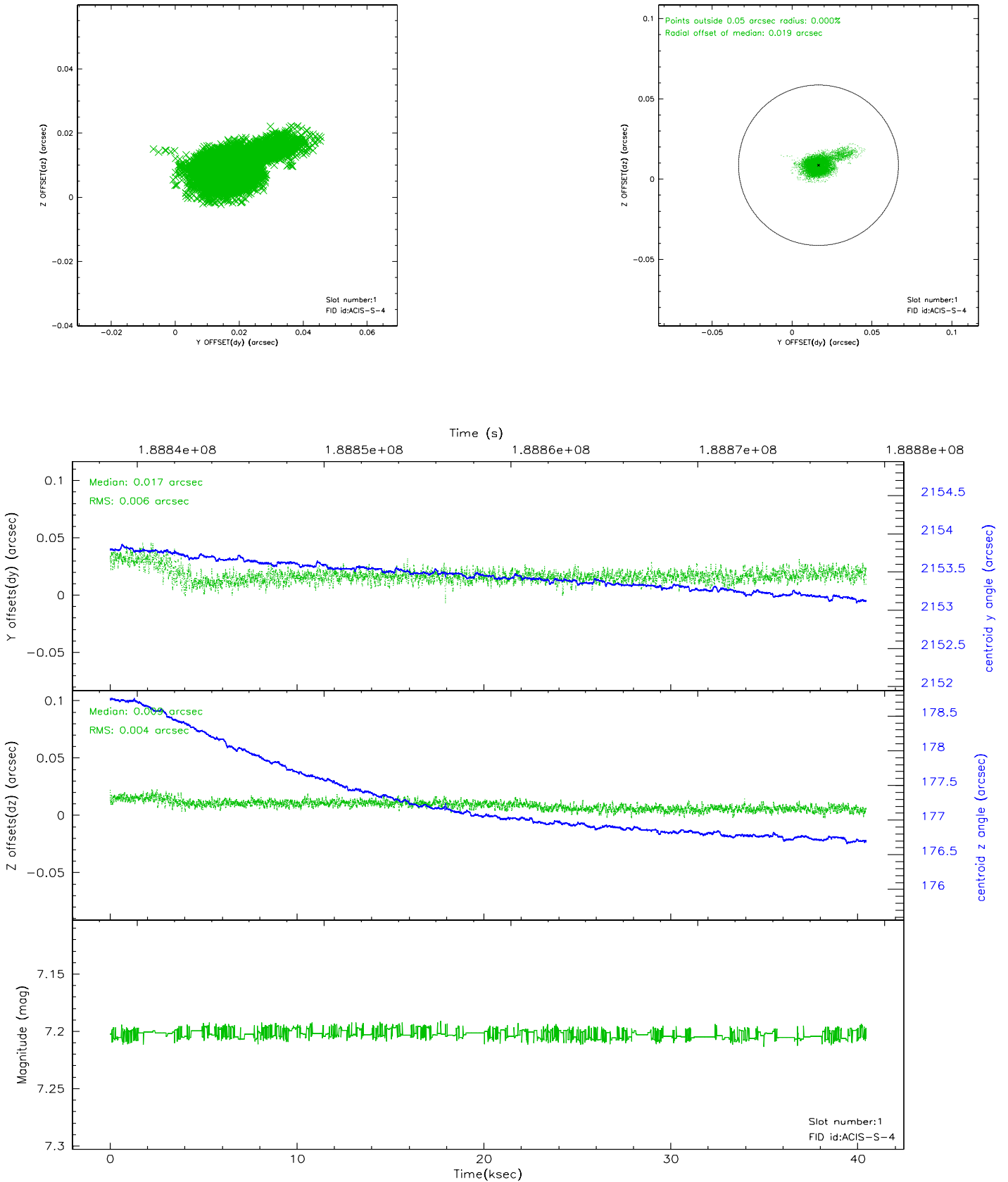


2.5 FID Slots

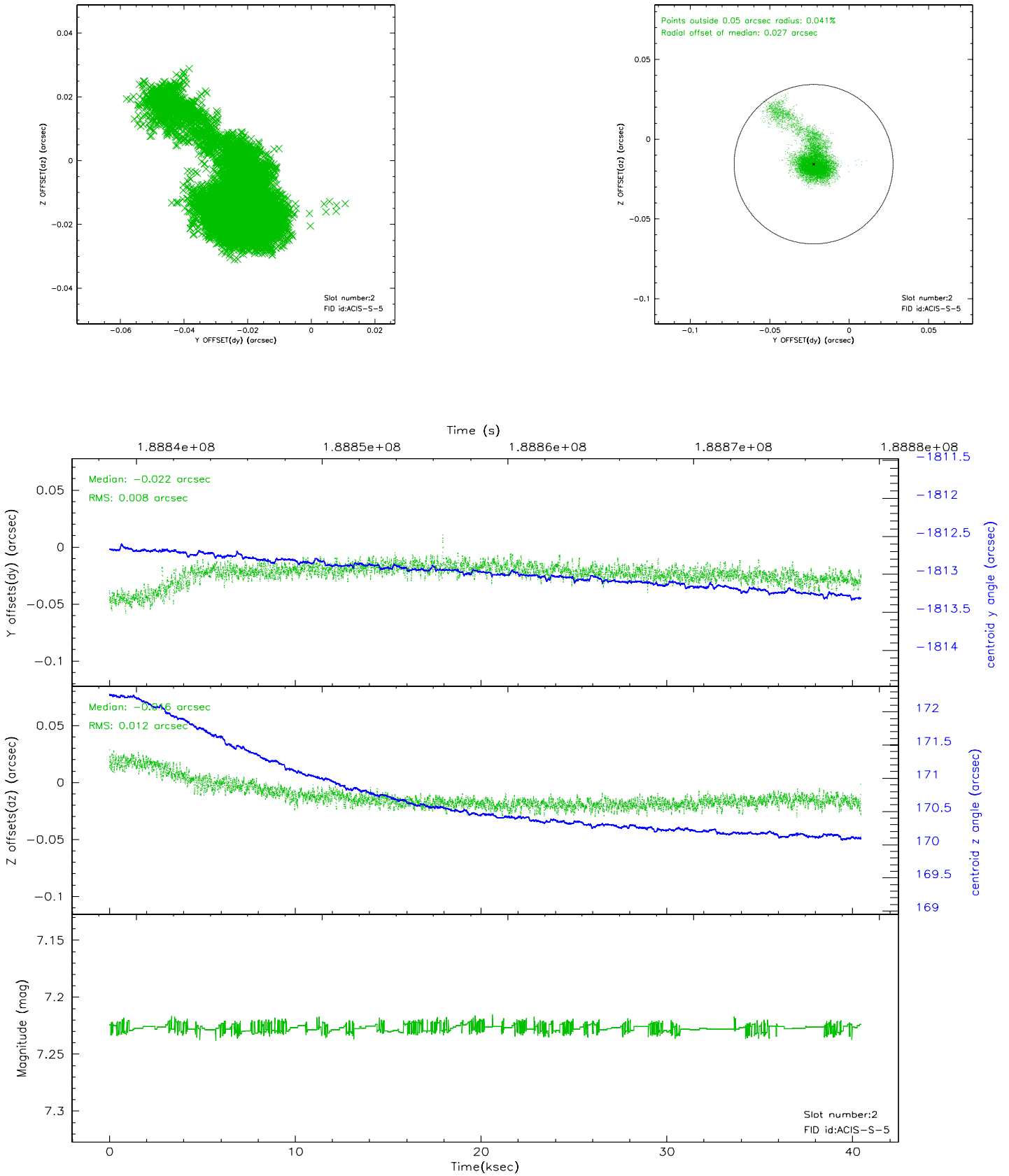
2.5.1 Slot 0



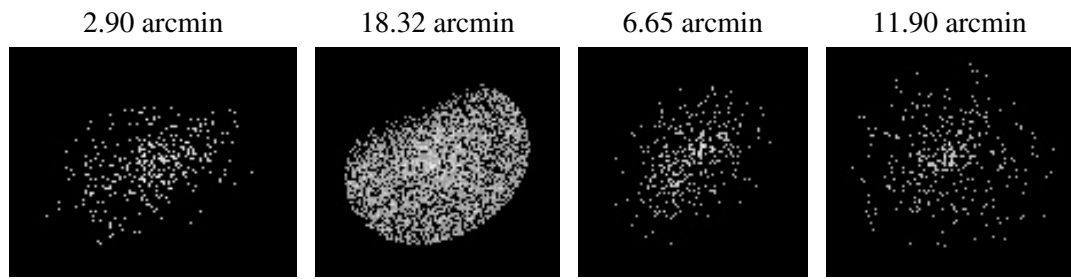
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.448

A.2 Comments

Window preference not met.

On day 356 at about 00:30, the OBA heater stuck in the 'on' position. This situation affected obsid 4901 and all subsequent observations to this point. The result of this anomaly could be a displacement of the target on the chip in the z direction. The displacement will be small because everything is still within spec, but the target may be spatially displaced, have a different point spread function, or trail across the chip.