

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 5294 - L2 Version 001
Chandra X-Ray Center

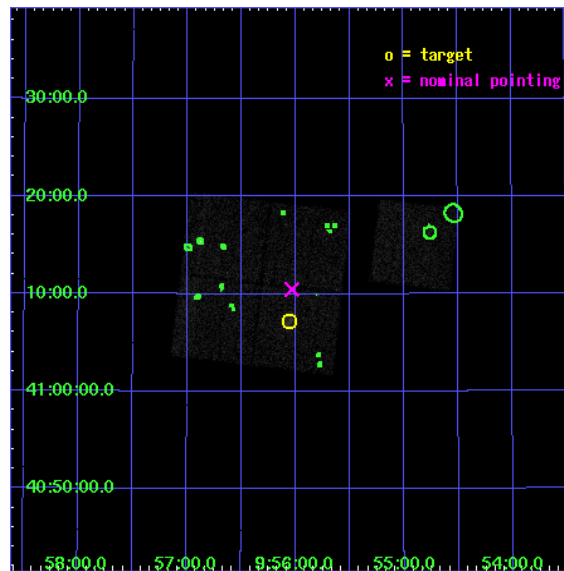
L2 Processing Date : Jun 22 2006

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1 Front

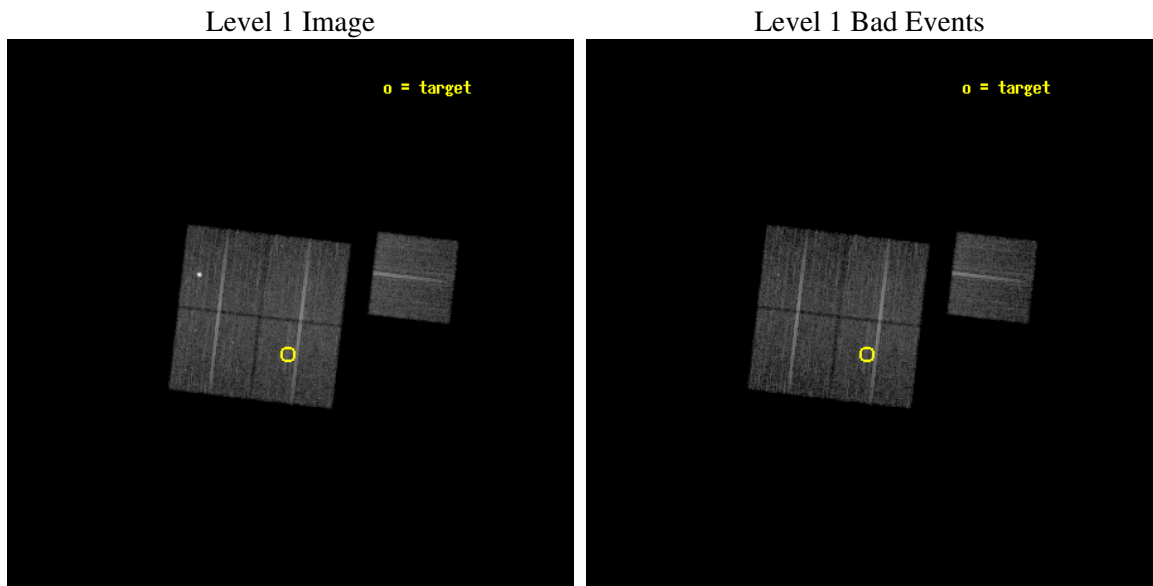
seq_num	800381
obs_id	5294
title	Chandra snapshot survey of 10 distant clusters of galaxies
observer	Dr. Stephen Murray
object	CL0956+4107
dtcycle	0
cycle	P
ra_targ	149.014167
dec_targ	41.120556
ra_nom	149.00828041946
dec_nom	41.174672593665
roll_nom	96.756555115699
revision	2
ontime	17570.799966216
livetime	17341.224529223
ontime0	17570.799966216
ontime1	17570.799966216
ontime2	17567.658995956
ontime3	17570.799966216
ontime6	17570.799966216
l2events	49233



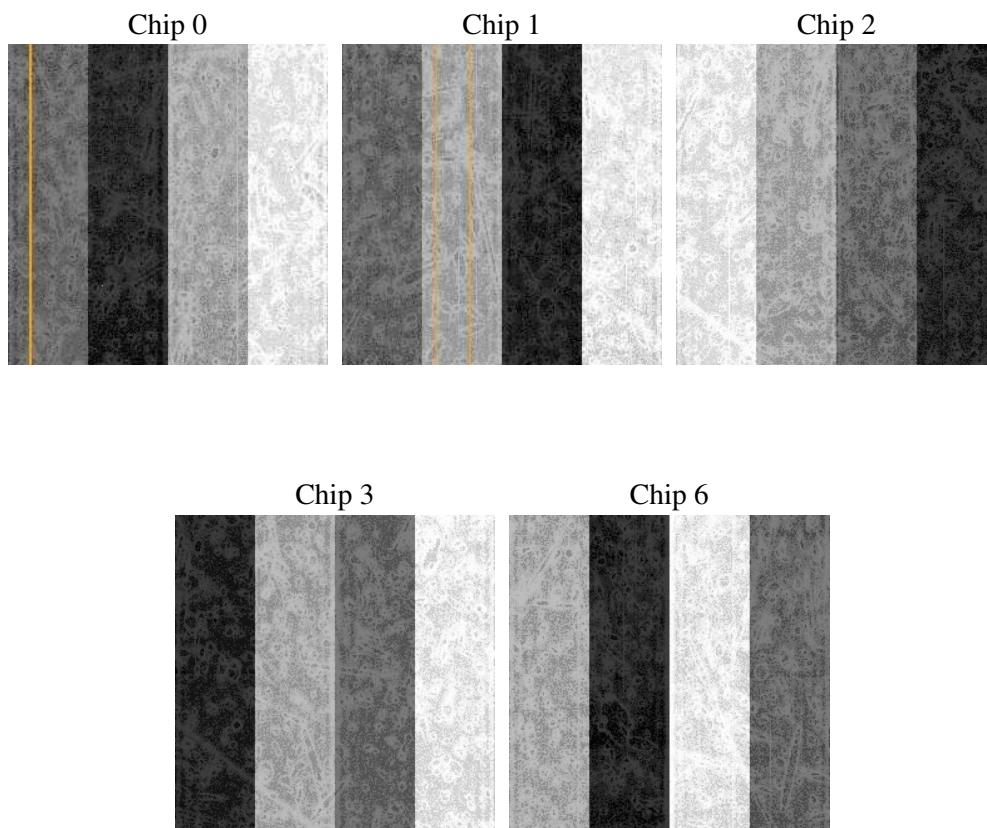
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-22T15:20:26
revision	2

sched_exp_time	17798.779000
ontime	17577.077624261
ontime0	17577.077624261
ontime1	17577.077624261
ontime2	17573.936673909
ontime3	17577.077624261
ontime6	17577.077624261
l1events	451630

2.1.4 Events

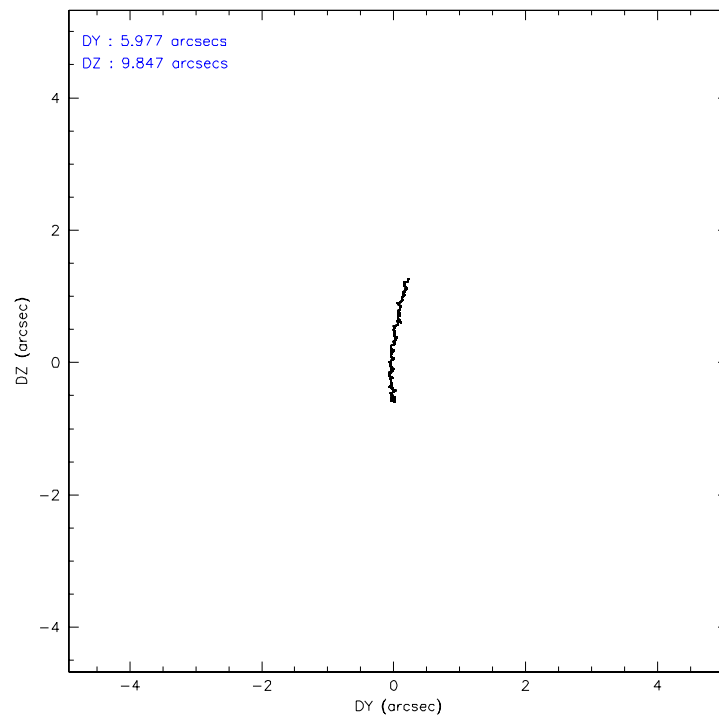
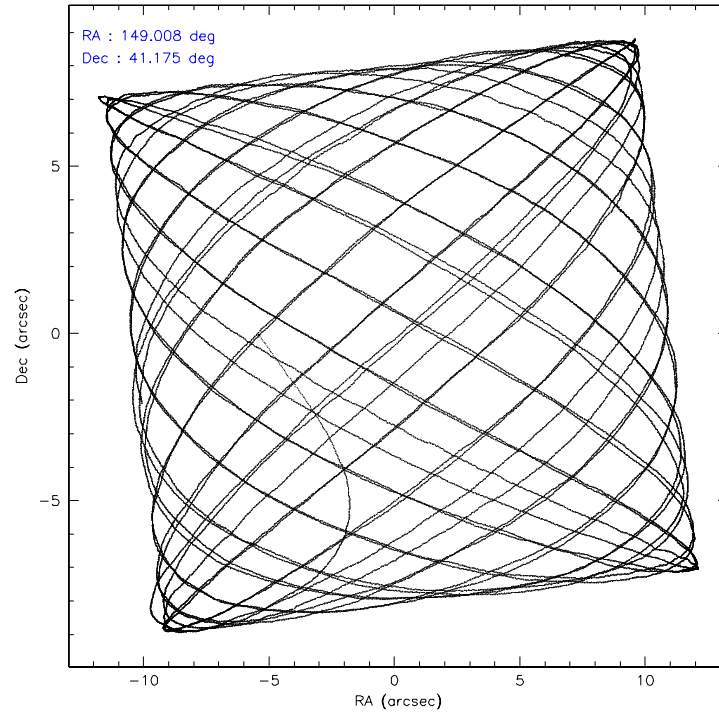
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	93442	84537	96190	88777	88684
rejected events	73897	73947	87032	79699	79342
rejected %	79%	87%	90%	89%	89%

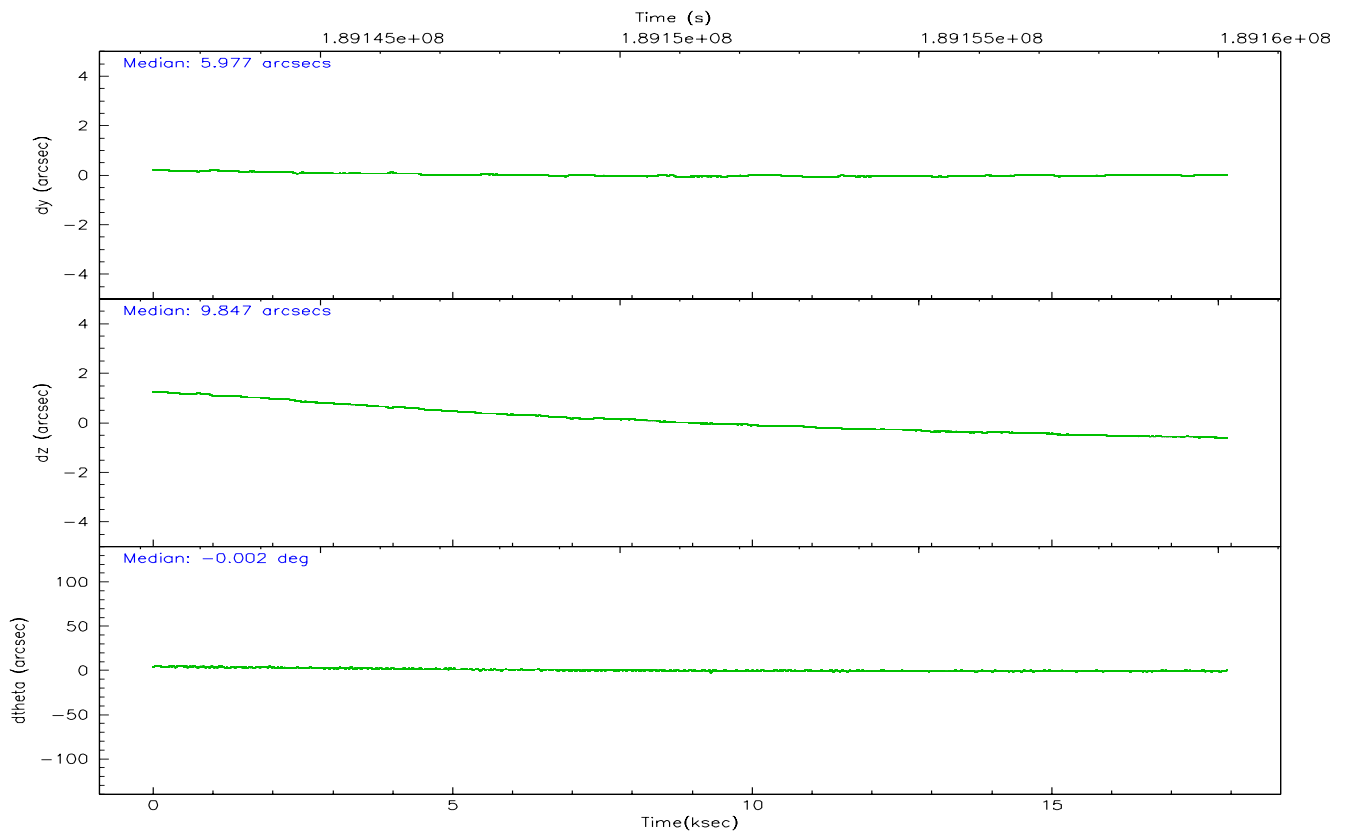
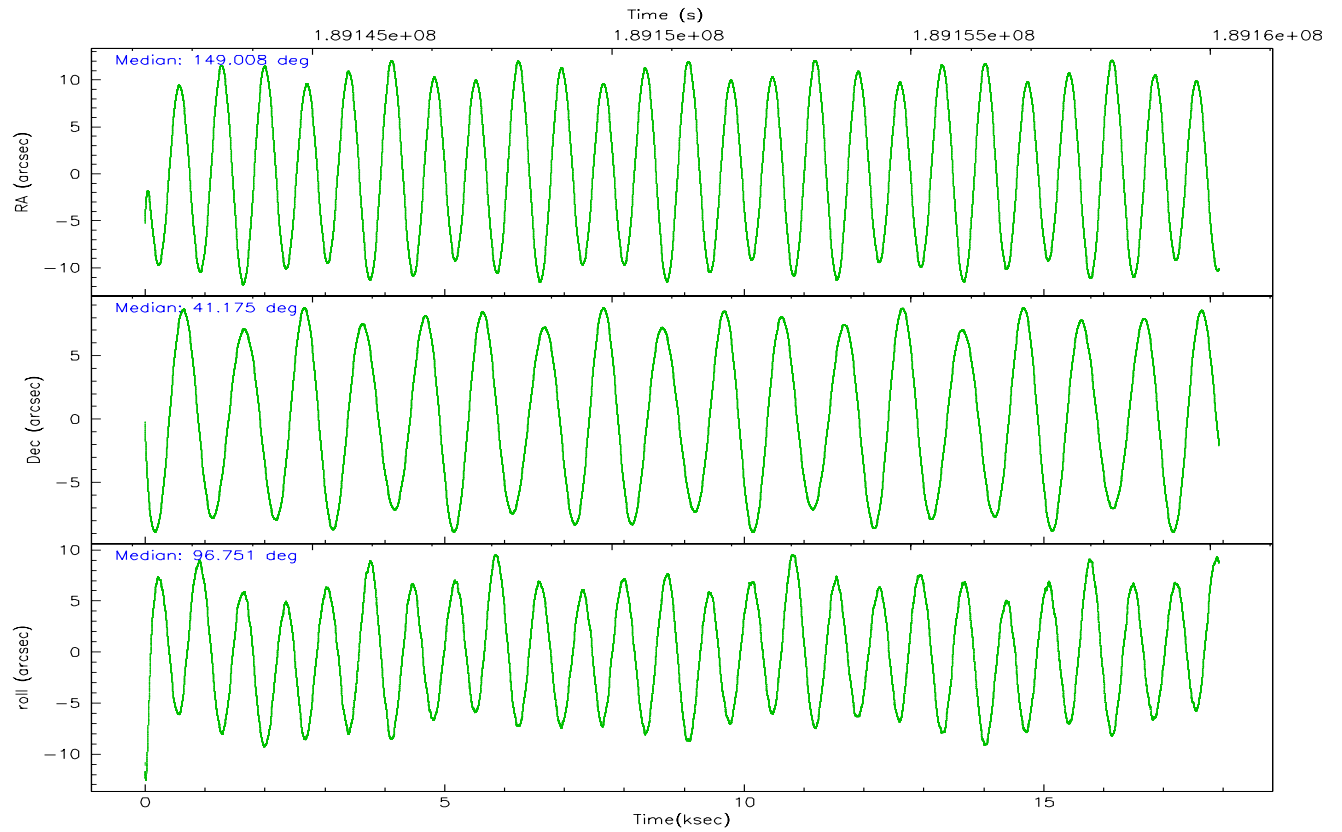
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11983	3959	3385	3432	3175
	12%	4%	3%	3%	3%
grade 1 events	120	41	41	40	29
	0%	0%	0%	0%	0%
grade 2 events	3085	2206	2135	1870	1966
	3%	2%	2%	2%	2%
grade 3 events	1299	1224	1017	1061	1077
	1%	1%	1%	1%	1%
grade 4 events	1200	1111	971	970	1025
	1%	1%	1%	1%	1%
grade 5 events	3357	3463	3138	3615	3571
	3%	4%	3%	4%	4%
grade 6 events	1985	2094	1653	1746	2101
	2%	2%	1%	1%	2%
grade 7 events	70413	70439	83850	76043	75740
	75%	83%	87%	85%	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	149.030196	149.0082804194595	Alternating exposures requested	N	N
Pointing Dec	41.152809	41.17467259366481	Primary exposure time	0.000000	3.1
Pointing Roll	96.533457	96.75655511569929			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.848371962627			
SIM translation stage offset (mm)	-7.752	-7.744081040302689			
Observation start time	189142340.184000	189141204.06594			
Observation start date	2003-12-30T03:31:16	2003-12-30T03:13:24			
Observation end time	189160139.184000	189160453.56678			
Observation end date	2003-12-30T08:27:55	2003-12-30T08:34:13			
Read mode	TIMED	TIMED			

2.3 Aspect



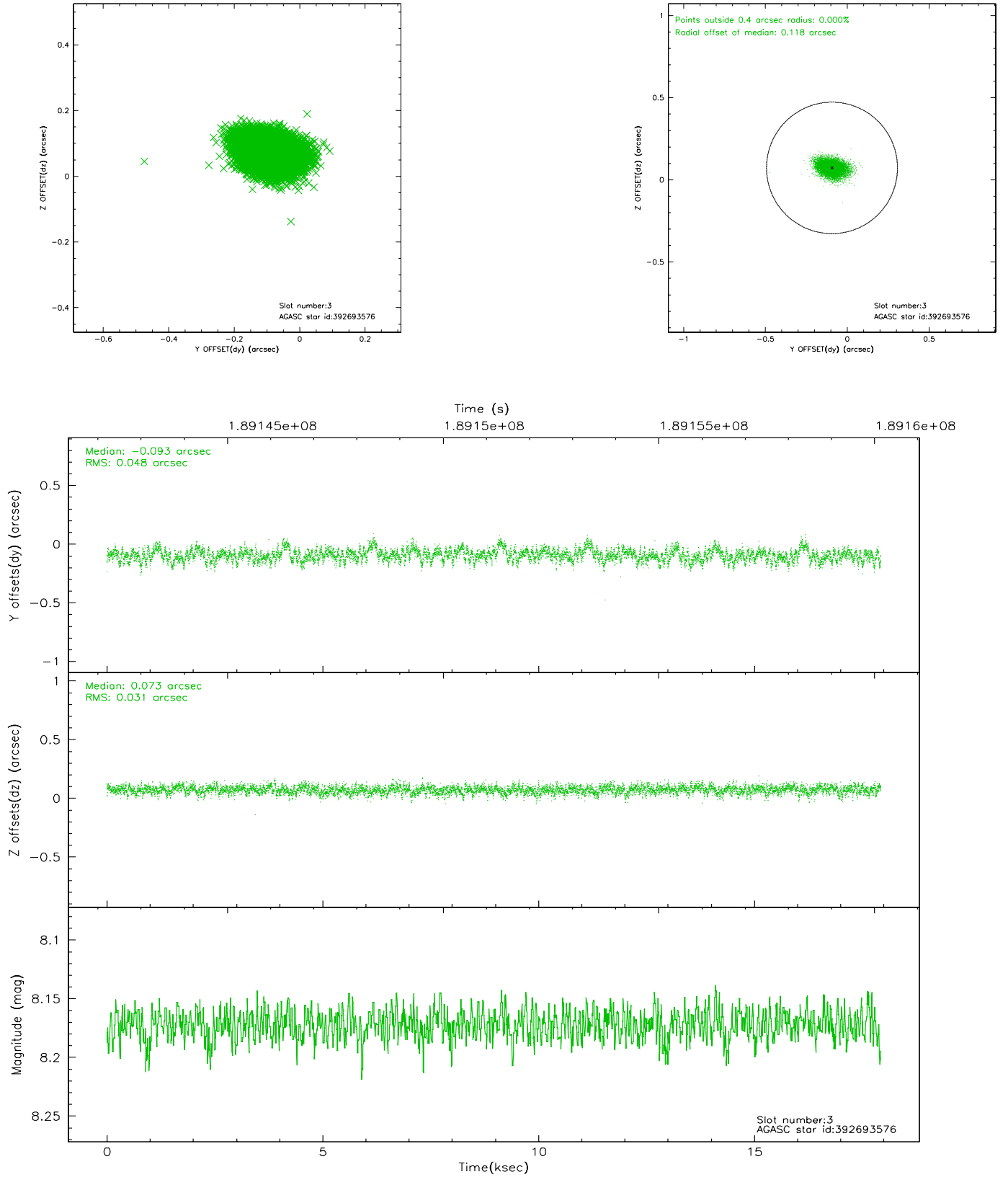


Slot Statistics

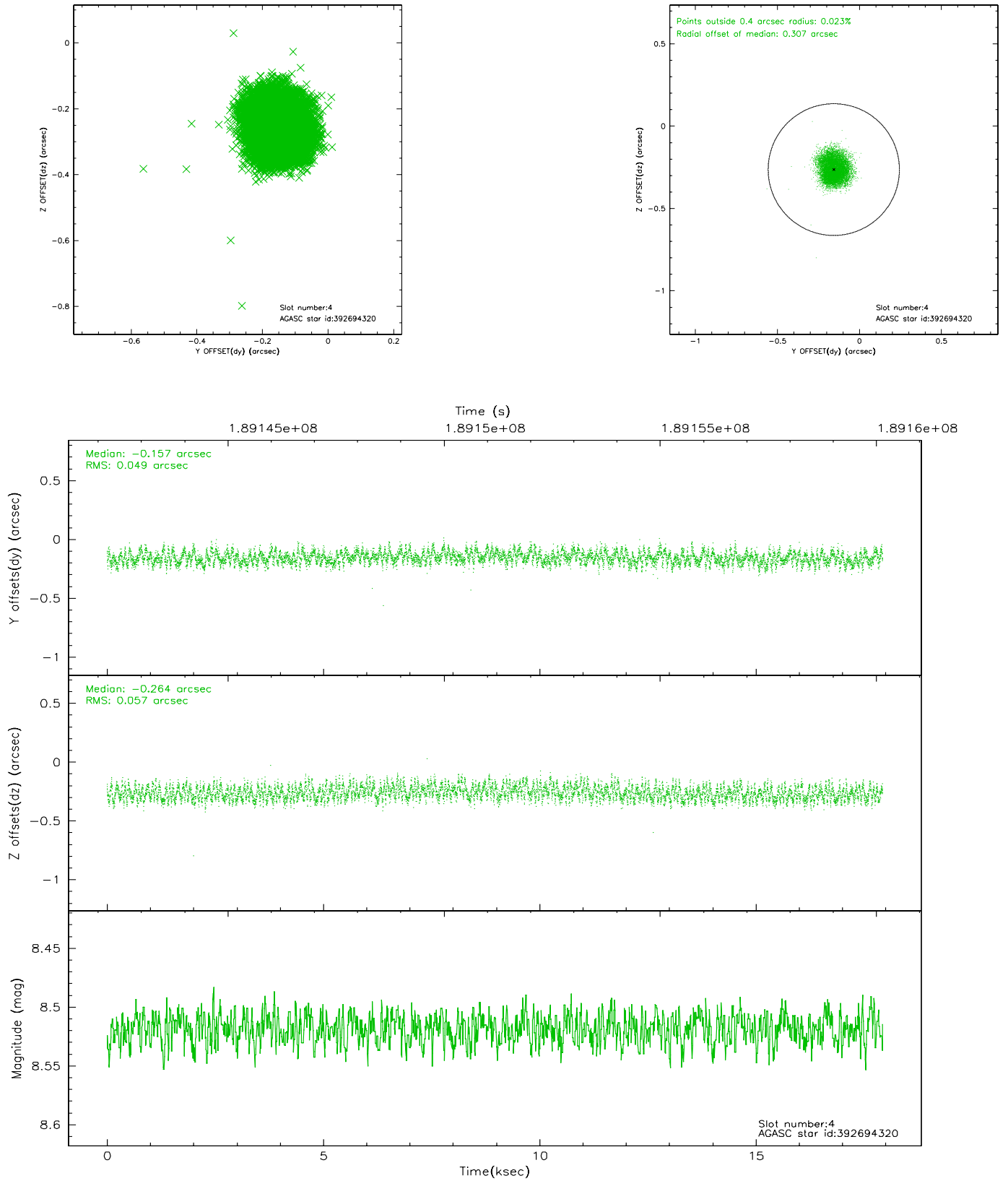
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4374	0.063	-0.046	0.022	0.030	0.000000	0.000000	933.63	-992.46
1	FID	ACIS-I-5	7.22	4375	-0.182	0.068	0.015	0.027	0.000000	0.000000	-1814.59	905.00
2	FID	ACIS-I-6	7.25	4375	0.035	0.039	0.018	0.037	0.000000	0.000000	398.90	1549.73
3	GUIDE	392693576	8.17	8749	-0.093	0.073	0.060	0.102	149.531855	41.595239	1432.79	-1523.19
4	GUIDE	392694320	8.52	8750	-0.157	-0.264	0.081	0.123	148.201769	41.462521	1372.61	2092.19
5	GUIDE	392697792	9.49	8746	0.165	0.044	0.087	0.141	149.223797	40.535935	-2265.53	-273.28
6	GUIDE	392695808	8.17	8750	0.077	-0.004	0.064	0.100	149.841460	40.572011	-2319.41	-1967.46
7	GUIDE	392695480	8.87	8747	0.007	0.150	0.088	0.139	149.916110	41.131503	-337.29	-2379.15

2.4 Star Slots

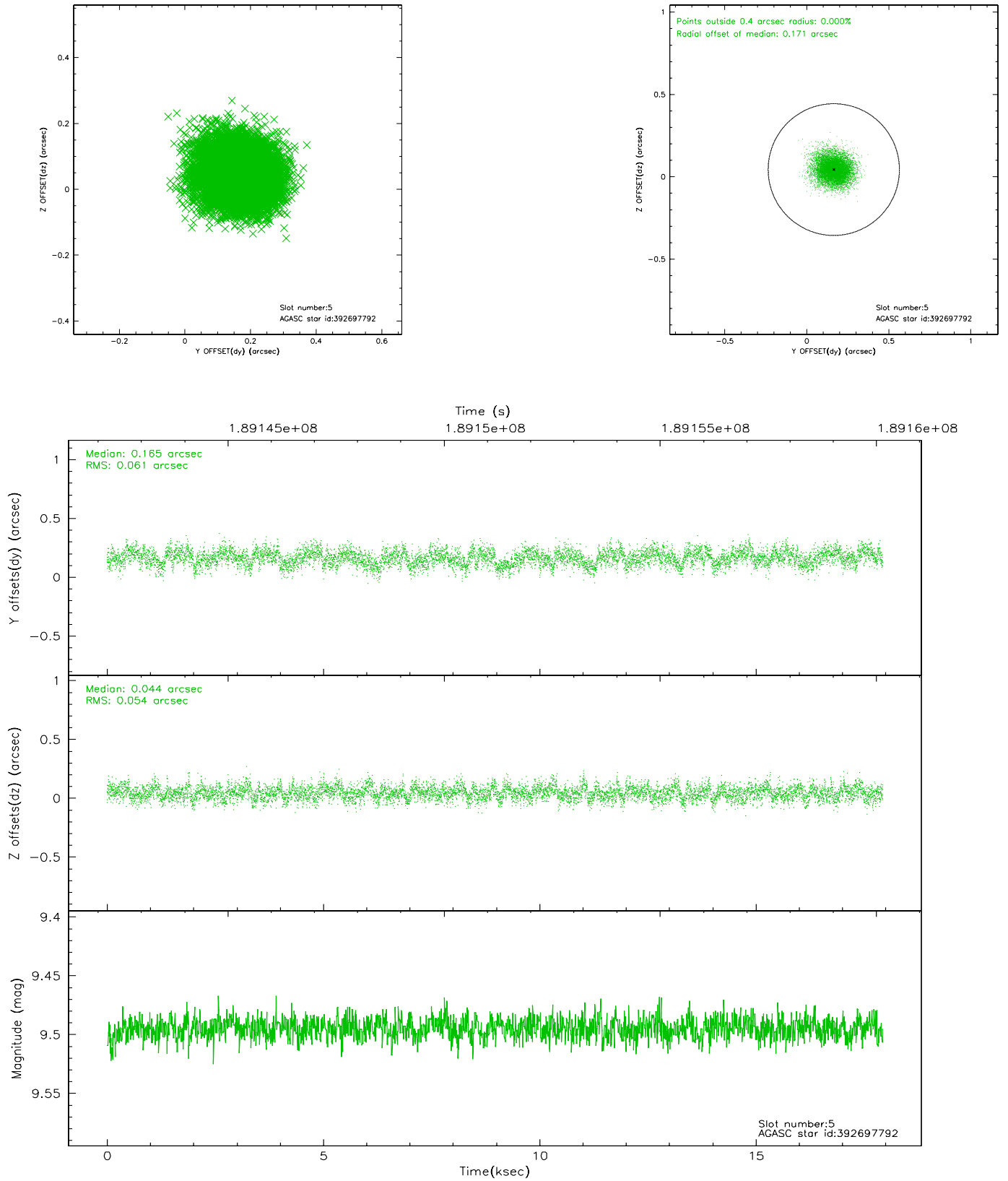
2.4.1 Slot 3



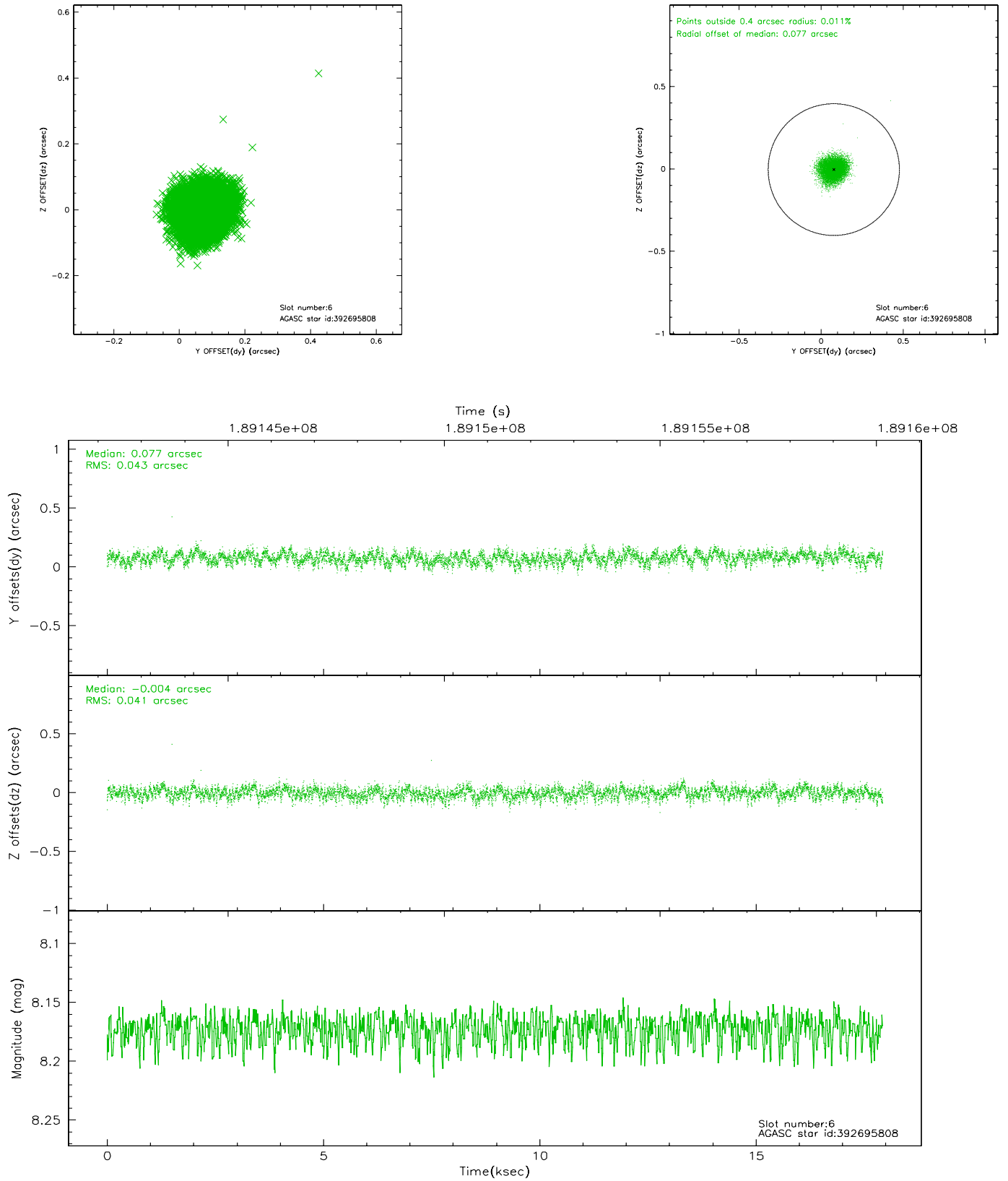
2.4.2 Slot 4



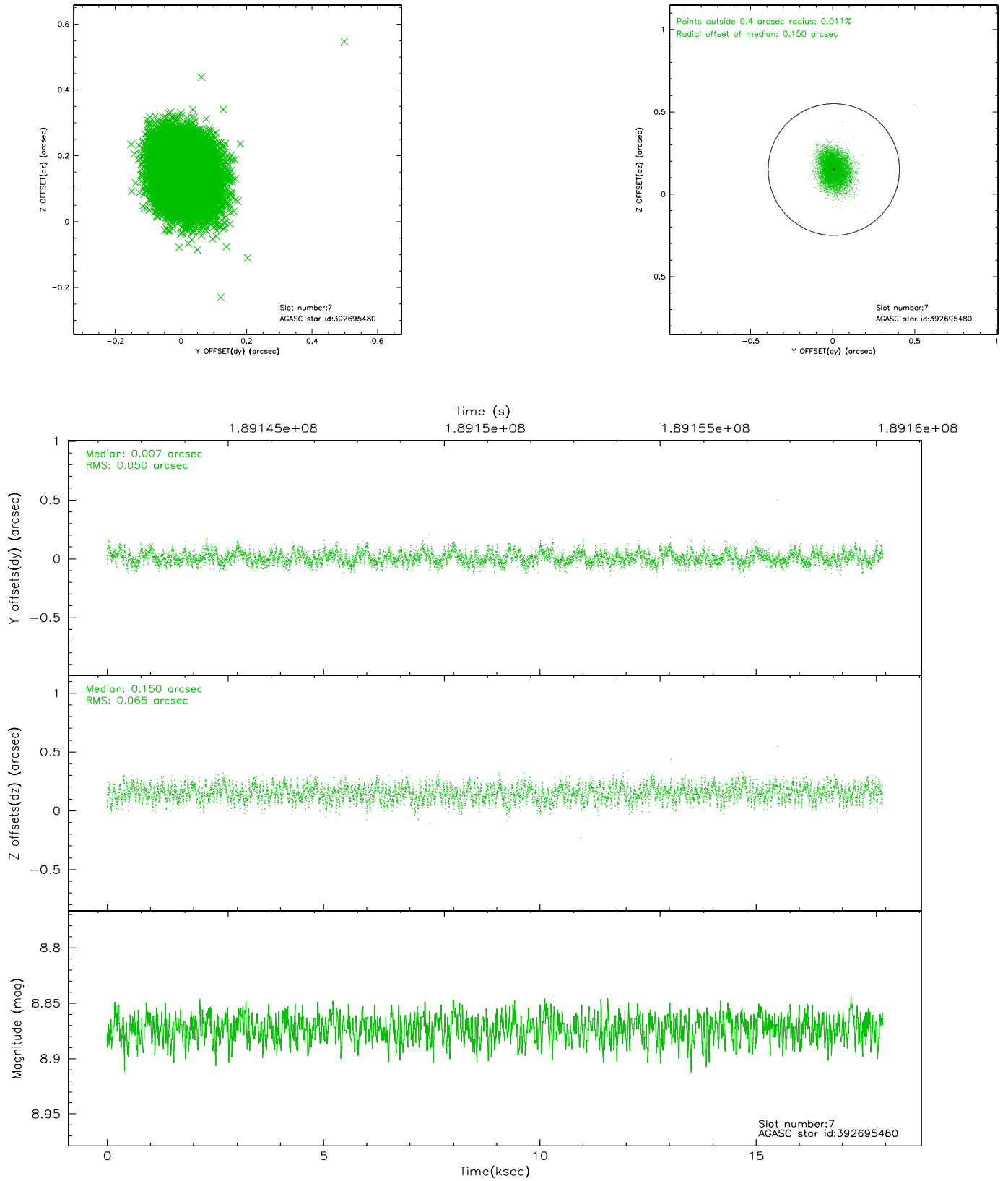
2.4.3 Slot 5



2.4.4 Slot 6

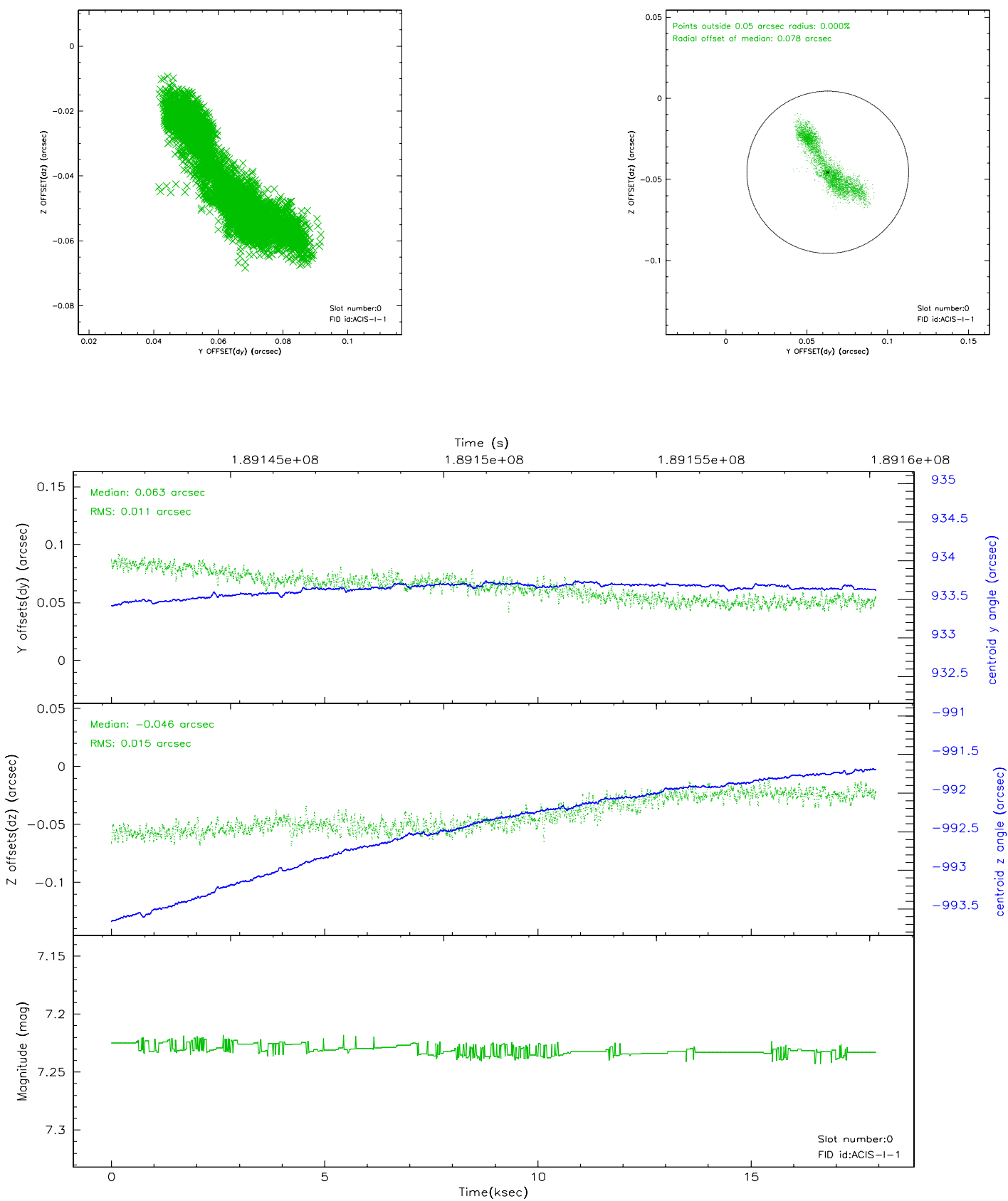


2.4.5 Slot 7

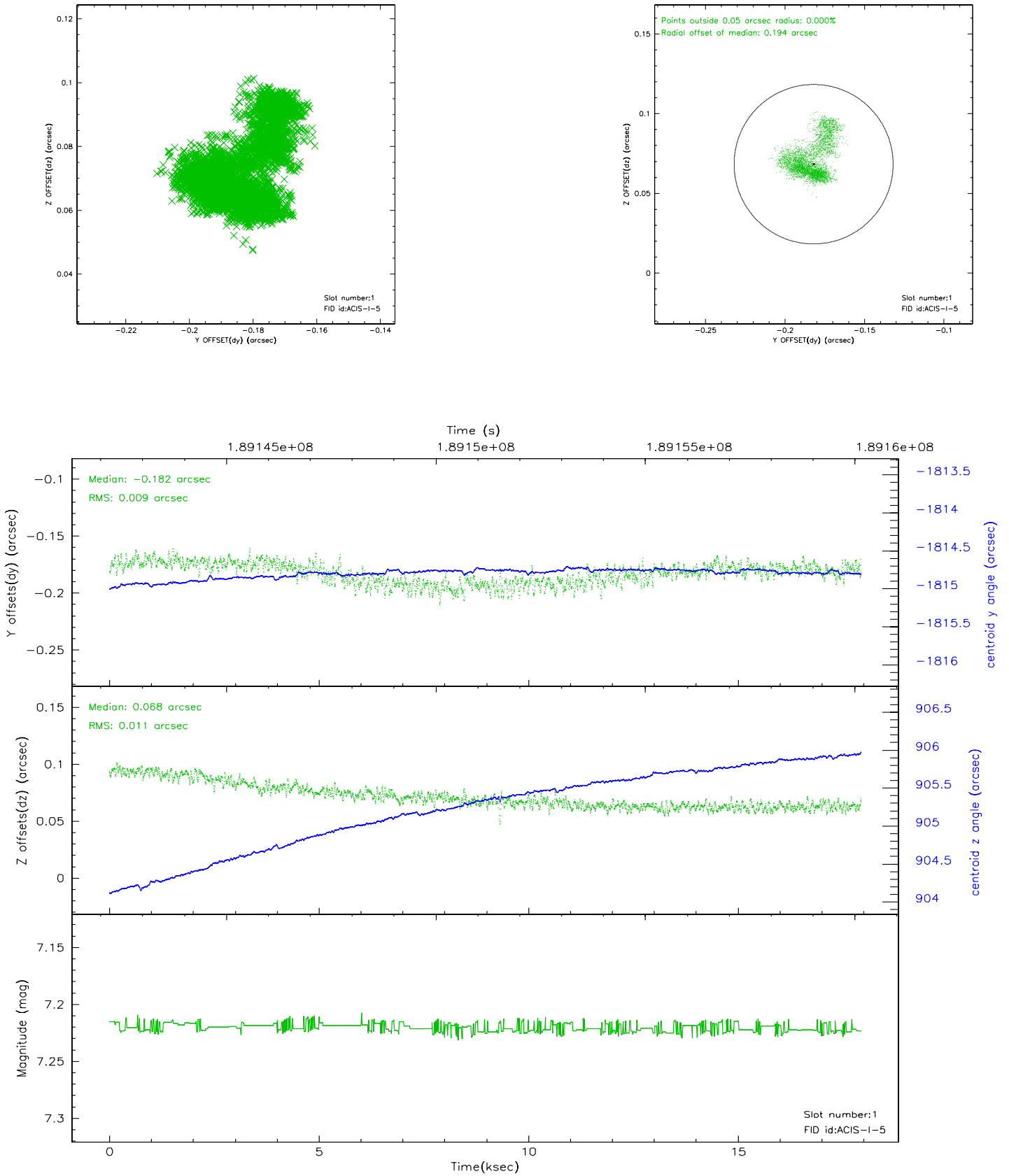


2.5 FID Slots

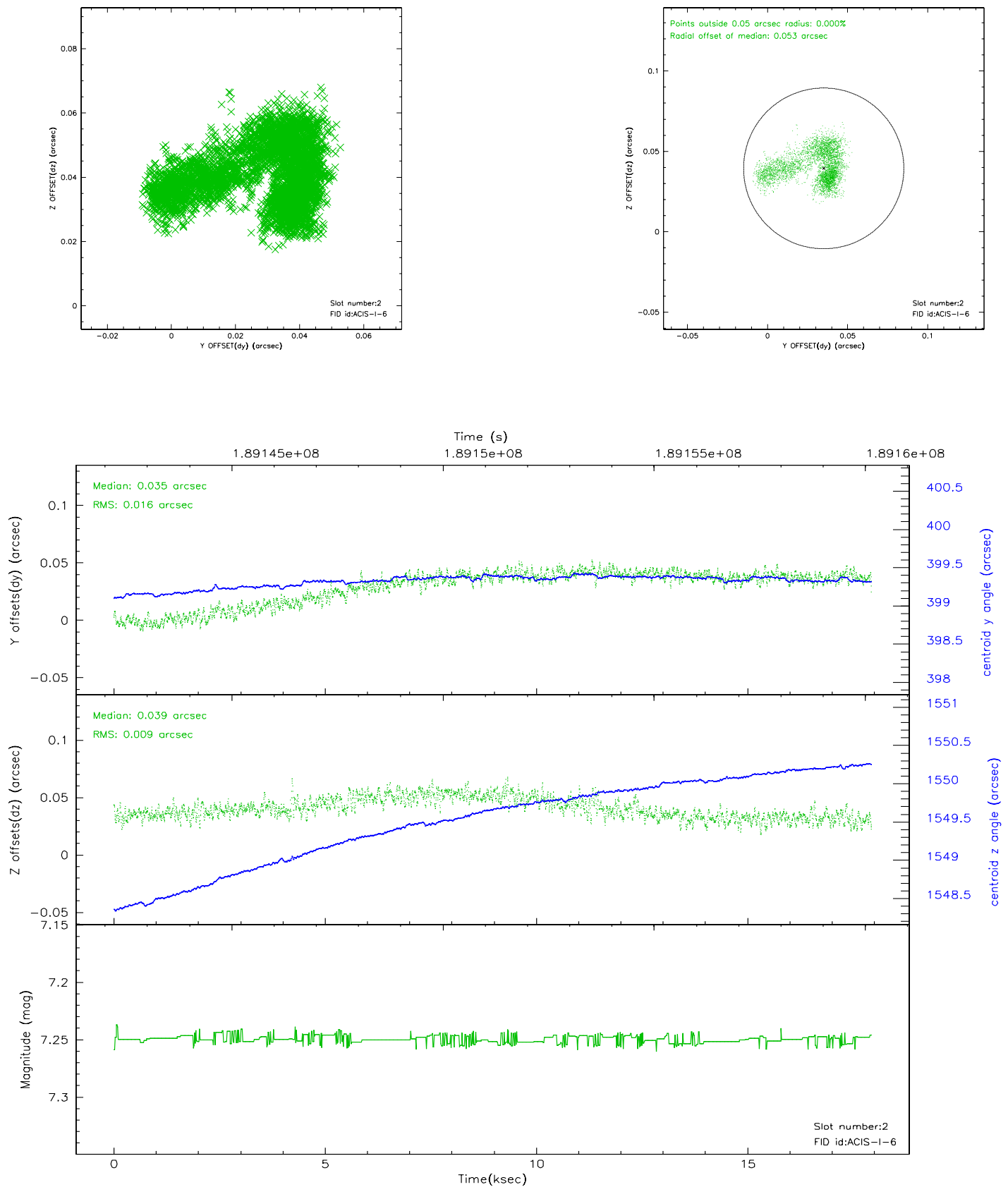
2.5.1 Slot 0



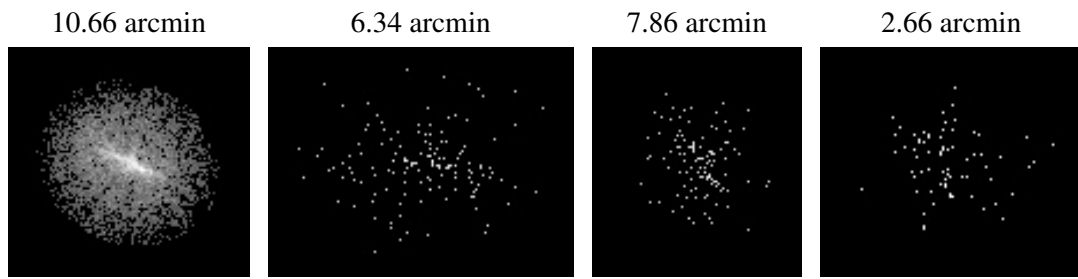
2.5.2 Slot 1



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	17.573

A.2 Comments

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.