

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2289 - L2 Version 001
Chandra X-Ray Center

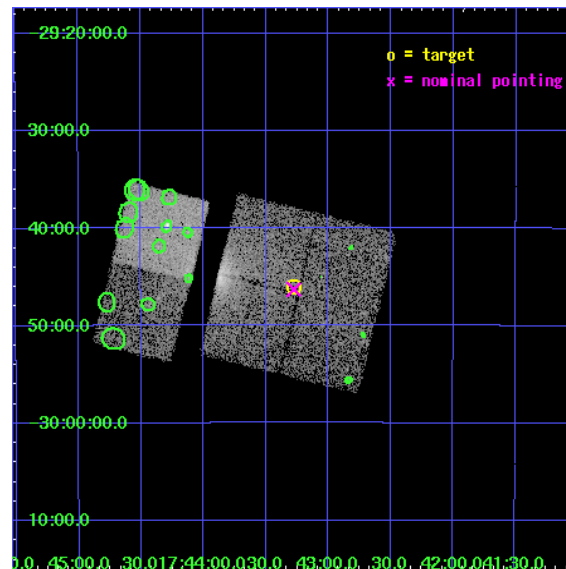
L2 Processing Date : Dec 15 2006

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1 Front

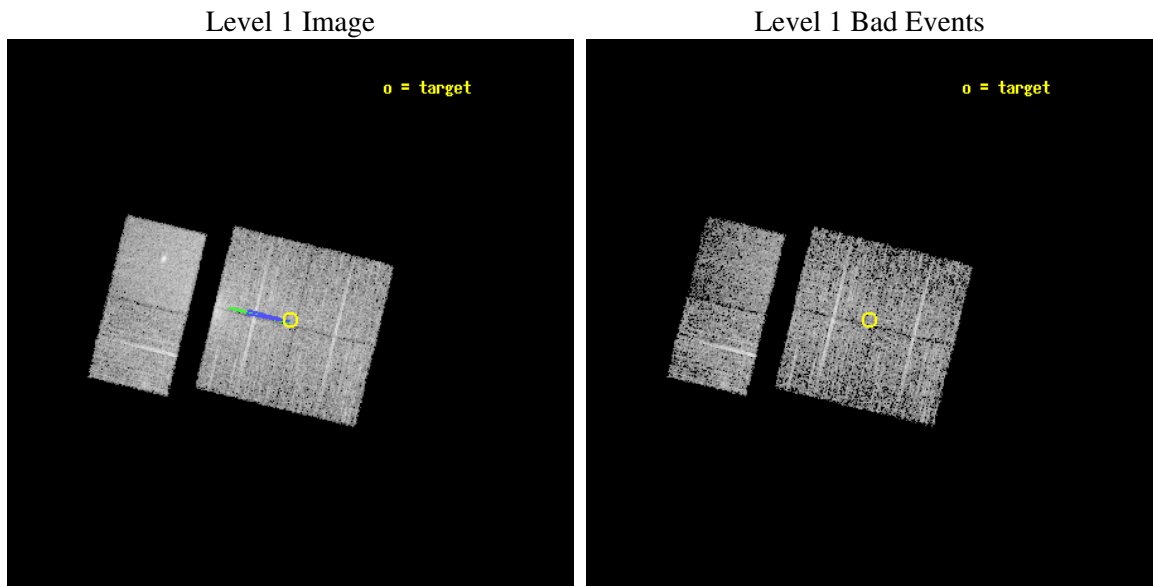
seq_num	900116
obs_id	2289
title	CHANDRA SURVEY OF THE GALACTIC RIDGE AROUND THE MILKY WAY CENTER
observer	Prof. Q. Daniel Wang
object	GCS 29
dtcycle	0
cycle	P
ra_targ	265.8198
dec_targ	-29.7671
ra_nom	265.81894884338
dec_nom	-29.771748960989
roll_nom	283.80728149978
revision	2
ontime	11760.000010952
livetime	11611.087809792
ontime0	11756.7590307
ontime1	11760.000010952
ontime2	11760.000010952
ontime3	11760.000010952
ontime6	11760.000010952
ontime7	11760.000010952
l2events	56381



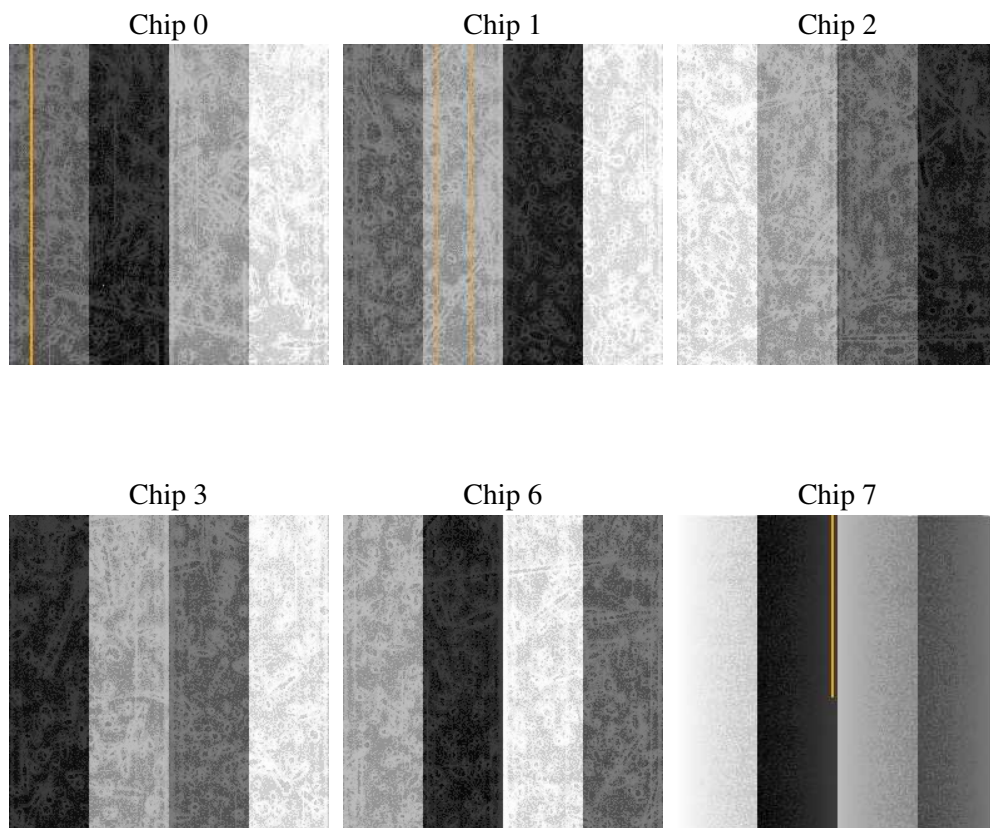
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-15T15:37:48
revision	2

sched_exp_time	12000.000000
ontime	11764.854930624
ontime0	11761.613950372
ontime1	11764.854930624
ontime2	11764.854930624
ontime3	11764.854930624
ontime6	11764.854930624
ontime7	11764.854930624
l1events	206638

2.1.4 Events

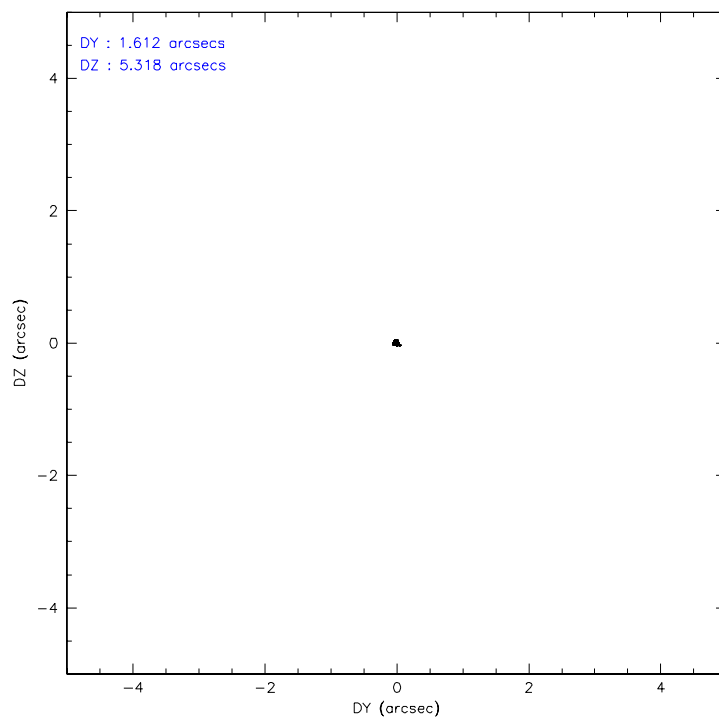
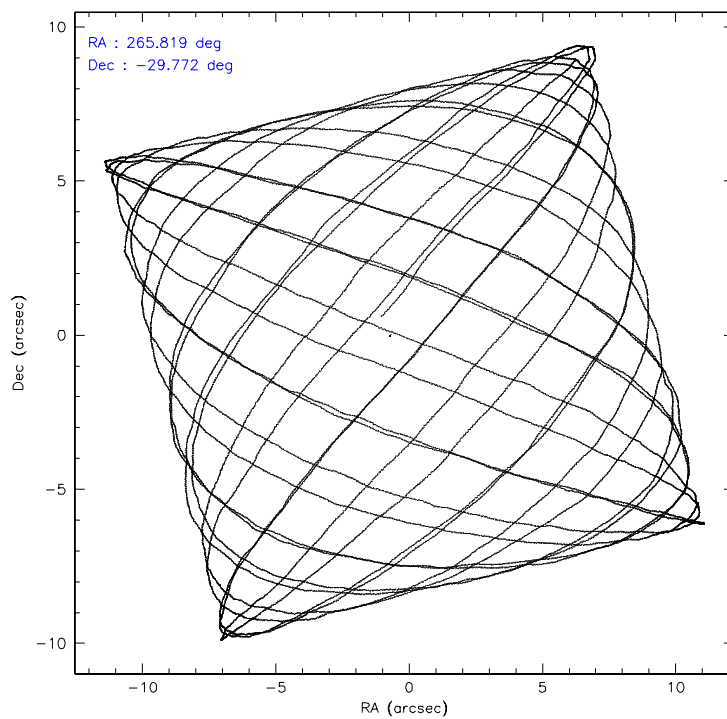
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	30042	30209	35253	36104	33577	41453
rejected events	24005	23406	25853	26241	27425	19730
rejected %	79%	77%	73%	72%	81%	47%

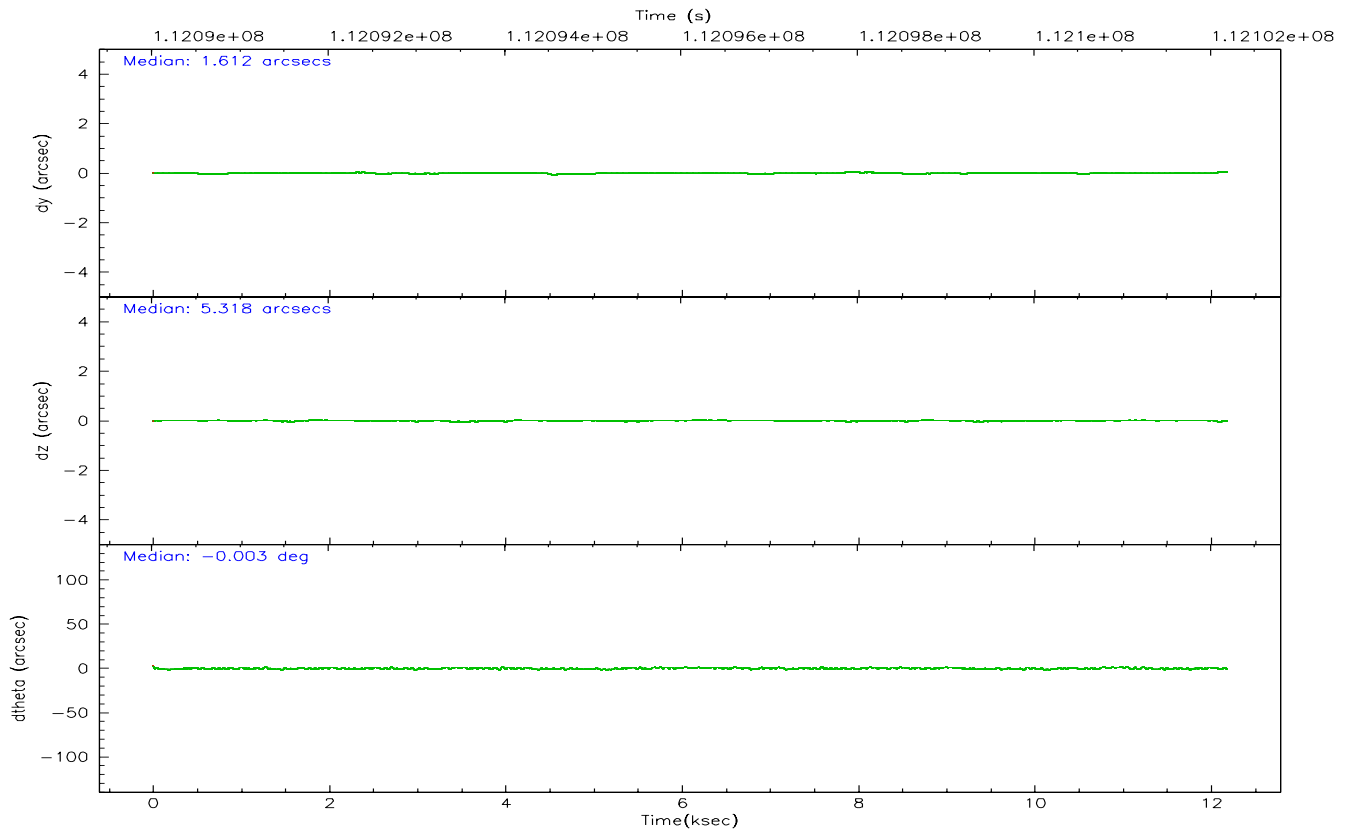
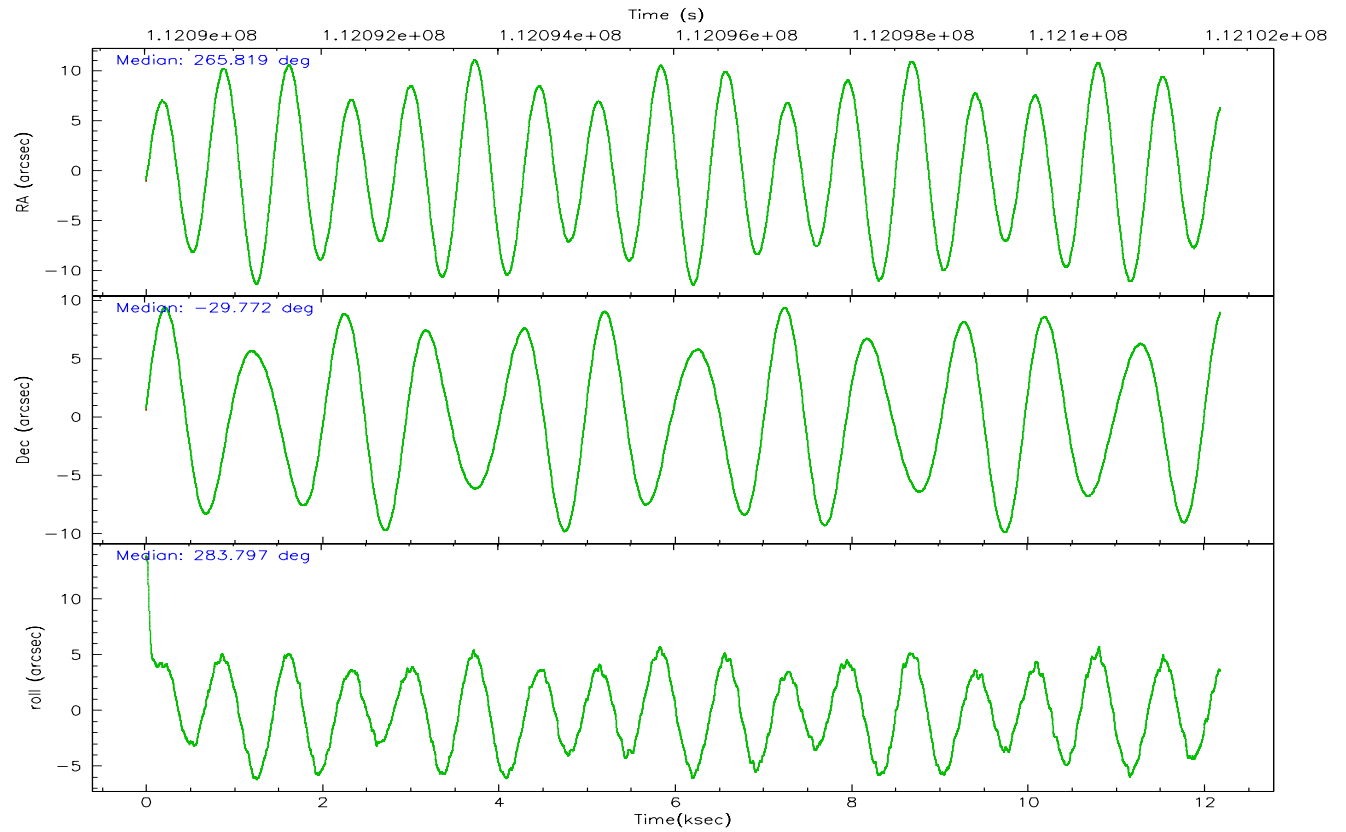
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3004	3414	5517	5705	2958	1663
	9%	11%	15%	15%	8%	4%
grade 1 events	19	25	41	36	41	33
	0%	0%	0%	0%	0%	0%
grade 2 events	1148	1258	1587	1713	1143	5623
	3%	4%	4%	4%	3%	13%
grade 3 events	497	558	606	695	502	1265
	1%	1%	1%	1%	1%	3%
grade 4 events	467	558	634	605	495	1316
	1%	1%	1%	1%	1%	3%
grade 5 events	1191	1299	1182	1358	1446	3344
	3%	4%	3%	3%	4%	8%
grade 6 events	926	1017	1062	1149	1055	11873
	3%	3%	3%	3%	3%	28%
grade 7 events	22790	22080	24624	24843	25937	16336
	75%	73%	69%	68%	77%	39%

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	265.797021	265.8189488433785	Subarray requested	NONE	NONE
Pointing Dec	-29.751989	-29.77174896098872	Alternating exposures requested	N	N
Pointing Roll	283.587696	283.8072814997773	Primary exposure time	0.000000	3.2
Roll angle	283.600000	283.600000			
Roll tolerance	2.000000	2.000000			
Roll constraint allows 180D rotation	N	N			
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	112090196.184000	112089819.90038			
Observation start date	2001-07-21T08:08:52	2001-07-21T08:03:39			
Observation end time	112102196.184000	112102330.02587			
Observation end date	2001-07-21T11:28:52	2001-07-21T11:32:10			
Read mode	TIMED	TIMED			

2.3 Aspect



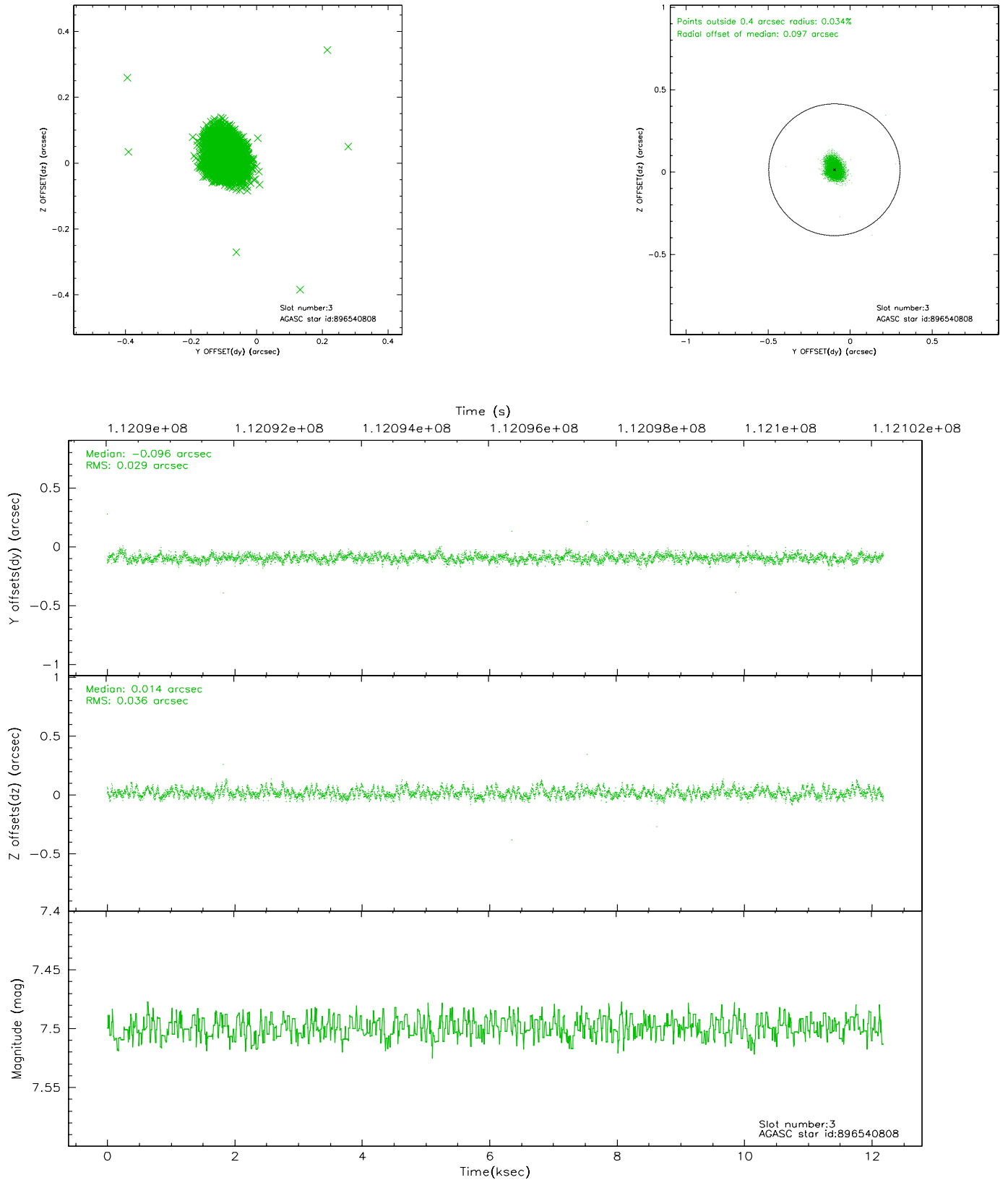


Slot Statistics

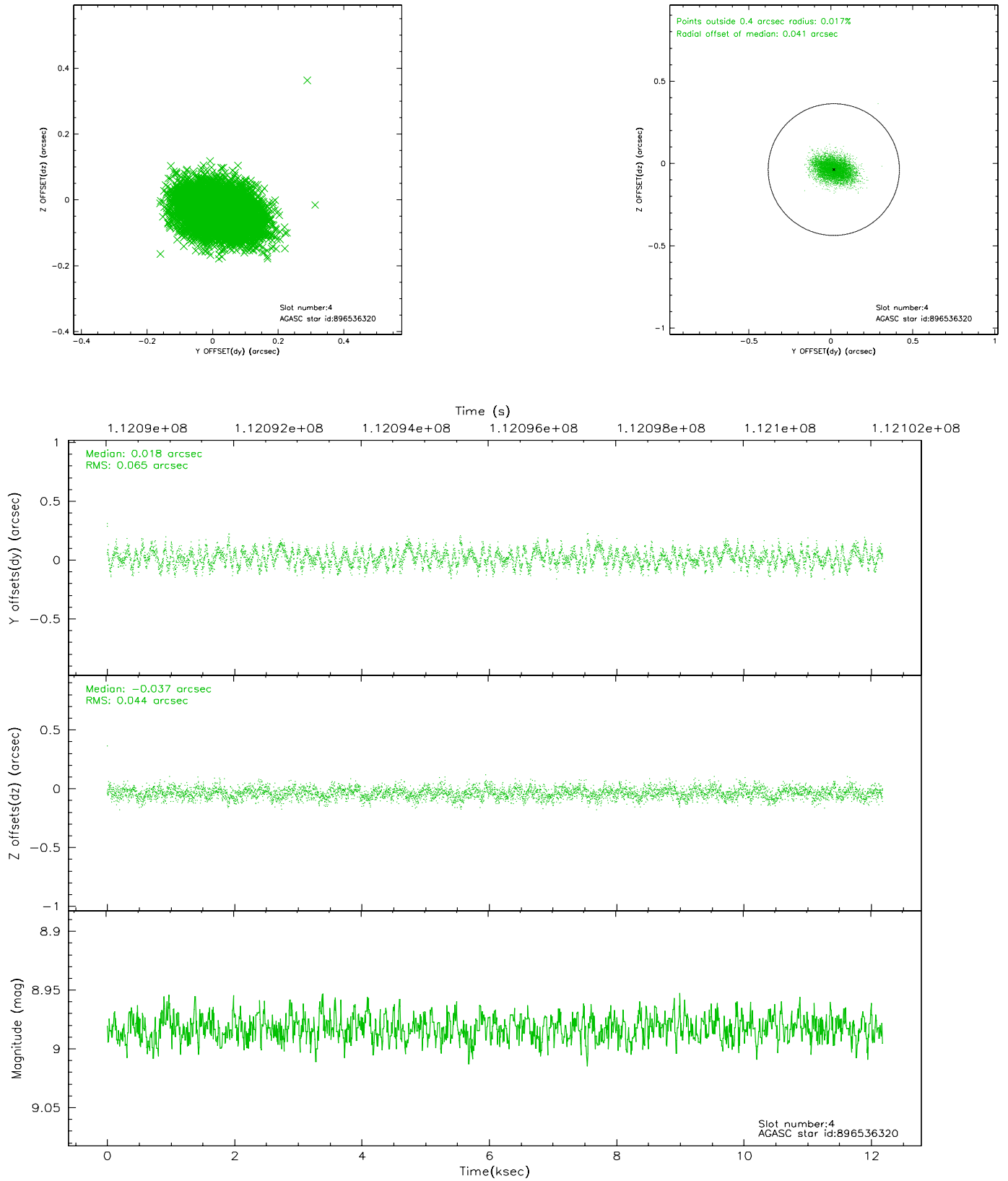
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	2972	-0.019	-0.031	0.009	0.015	0.000000	0.000000	-755.96	-835.07
1	FID	ACIS-I-4	7.18	2971	-0.069	0.029	0.006	0.009	0.000000	0.000000	2157.84	1071.00
2	FID	ACIS-I-5	7.23	2971	-0.013	0.071	0.009	0.014	0.000000	0.000000	-1809.28	1069.30
3	GUIDE	896540808	7.50	5943	-0.096	0.014	0.048	0.078	265.985401	-29.308604	-1411.63	949.87
4	GUIDE	896536320	8.98	5944	0.018	-0.037	0.083	0.136	266.369048	-29.307026	-1130.74	2121.10
5	GUIDE	966924920	8.09	5944	0.199	0.076	0.054	0.087	265.875401	-30.176961	1545.26	-121.24
6	GUIDE	896405480	8.24	5943	-0.104	-0.019	0.056	0.090	265.220460	-29.599691	-951.36	-1626.31
7	GUIDE	966787648	8.88	5941	-0.020	-0.034	0.067	0.110	265.297931	-30.077843	779.17	-1787.44

2.4 Star Slots

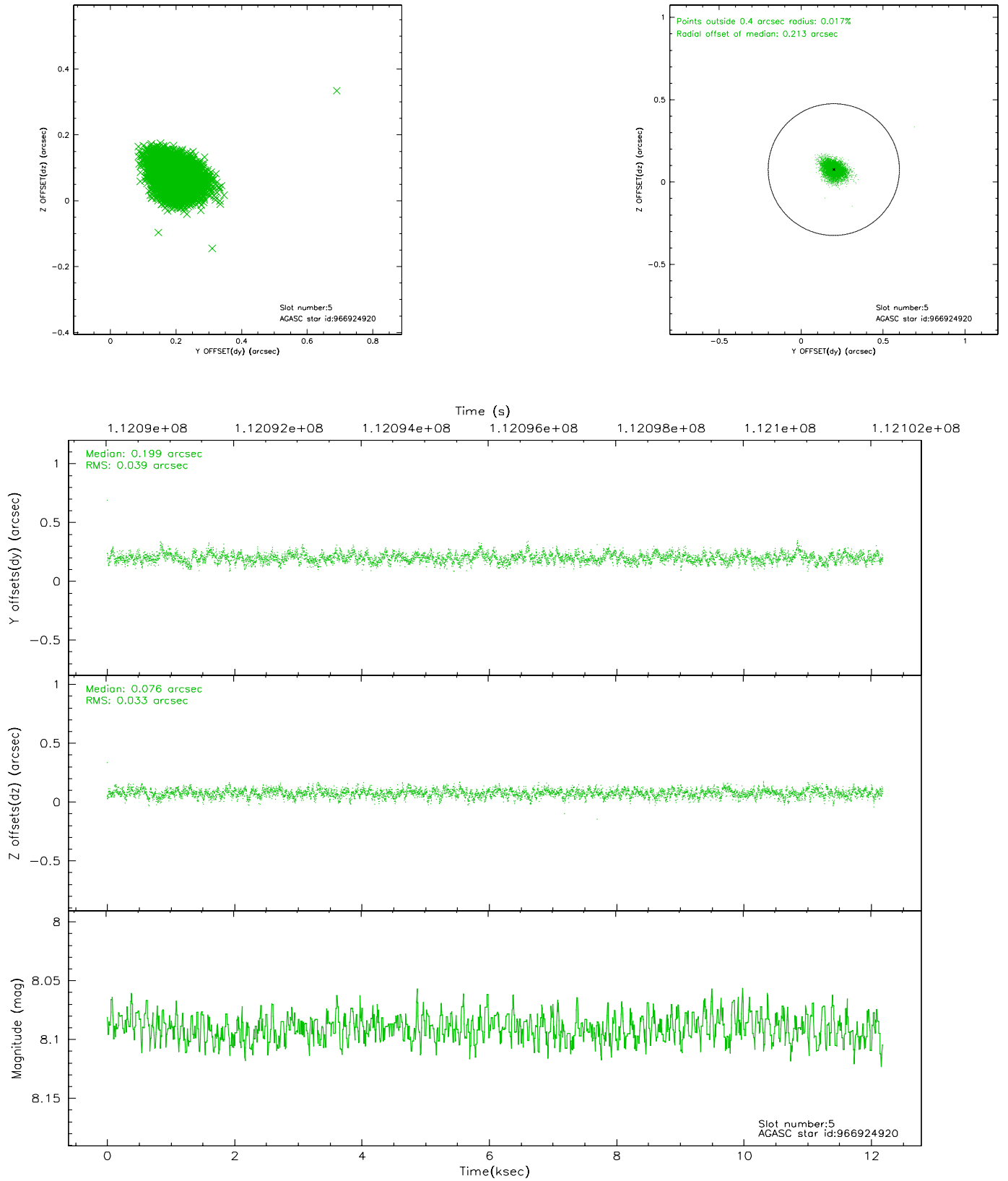
2.4.1 Slot 3



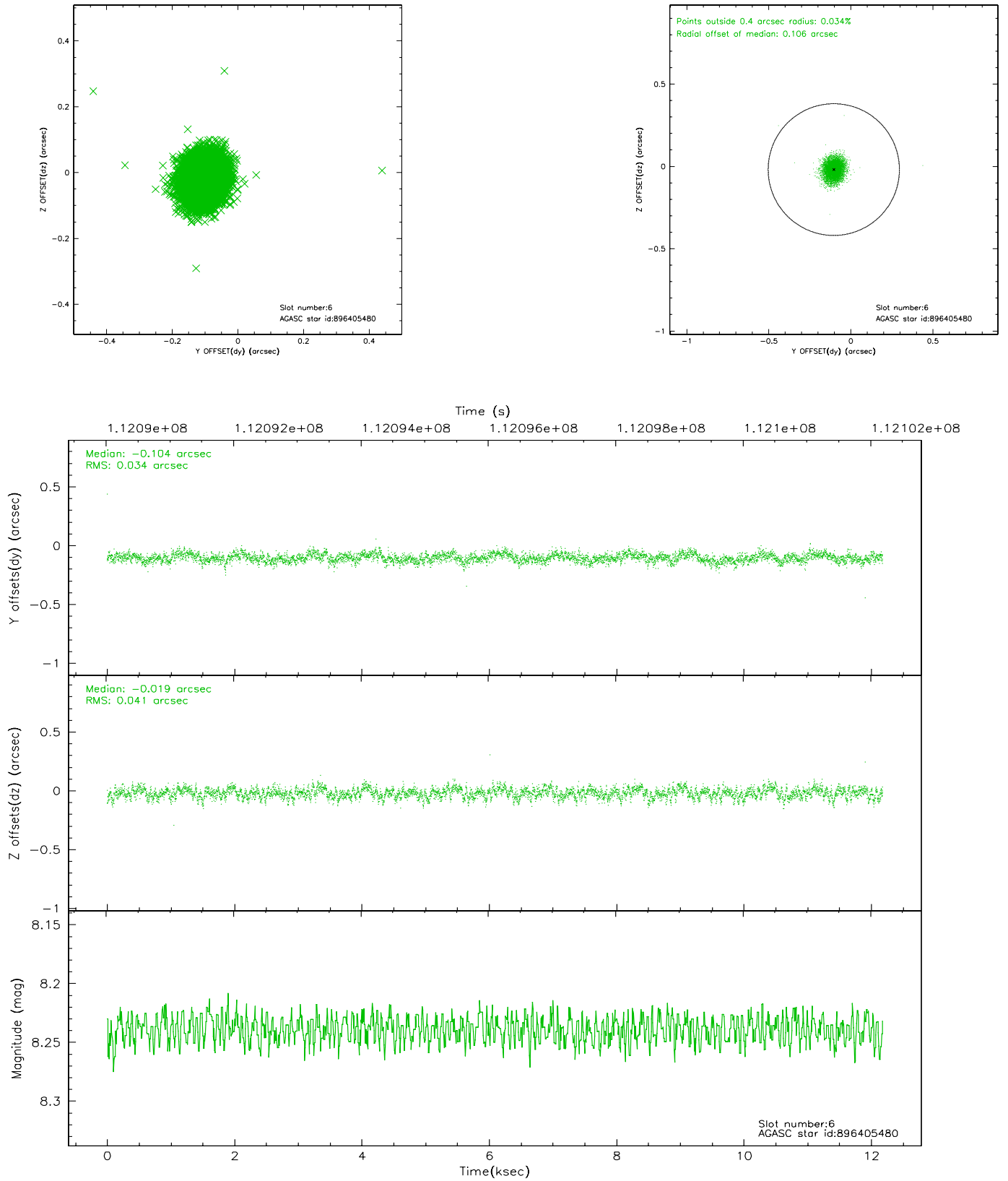
2.4.2 Slot 4



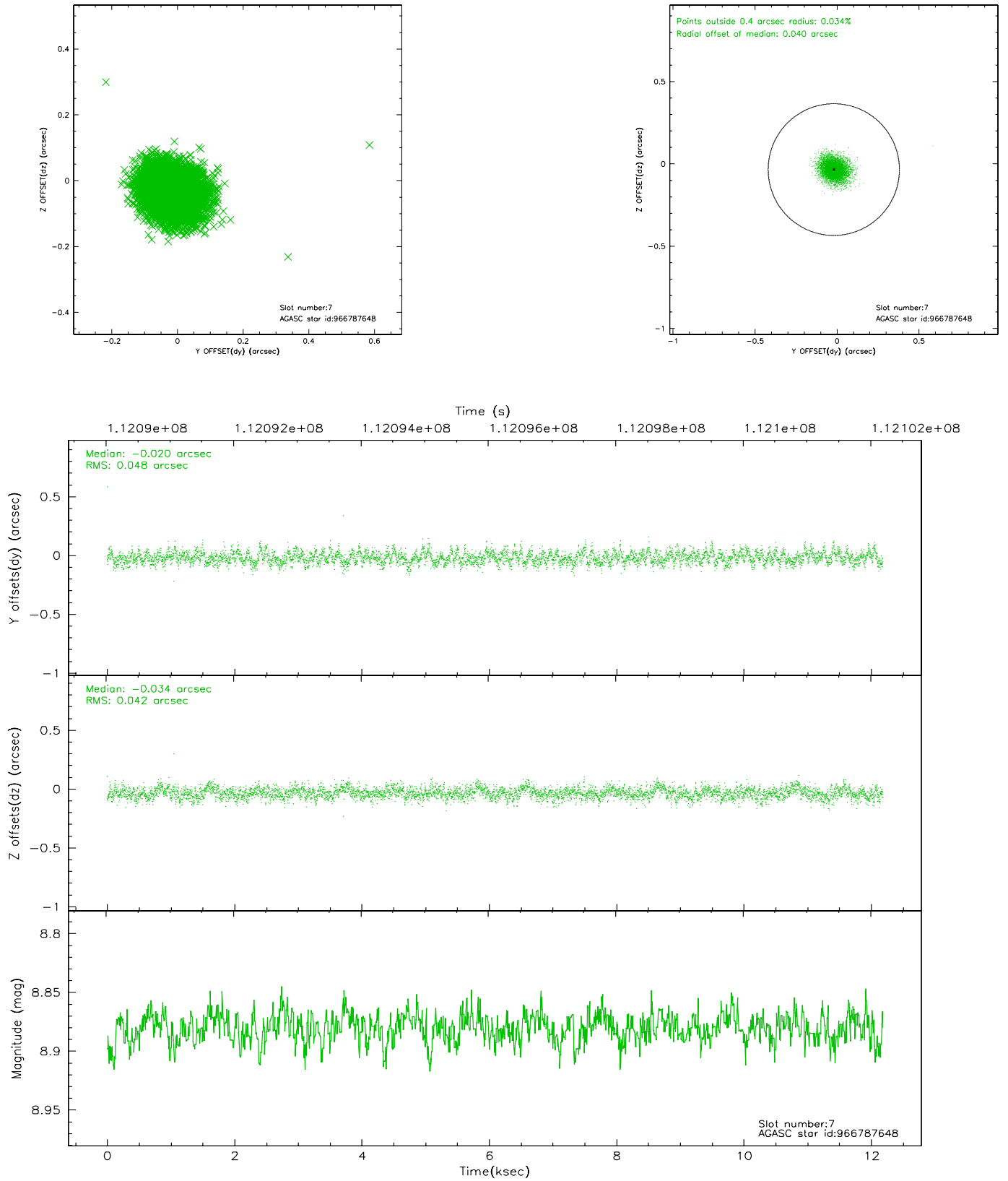
2.4.3 Slot 5



2.4.4 Slot 6

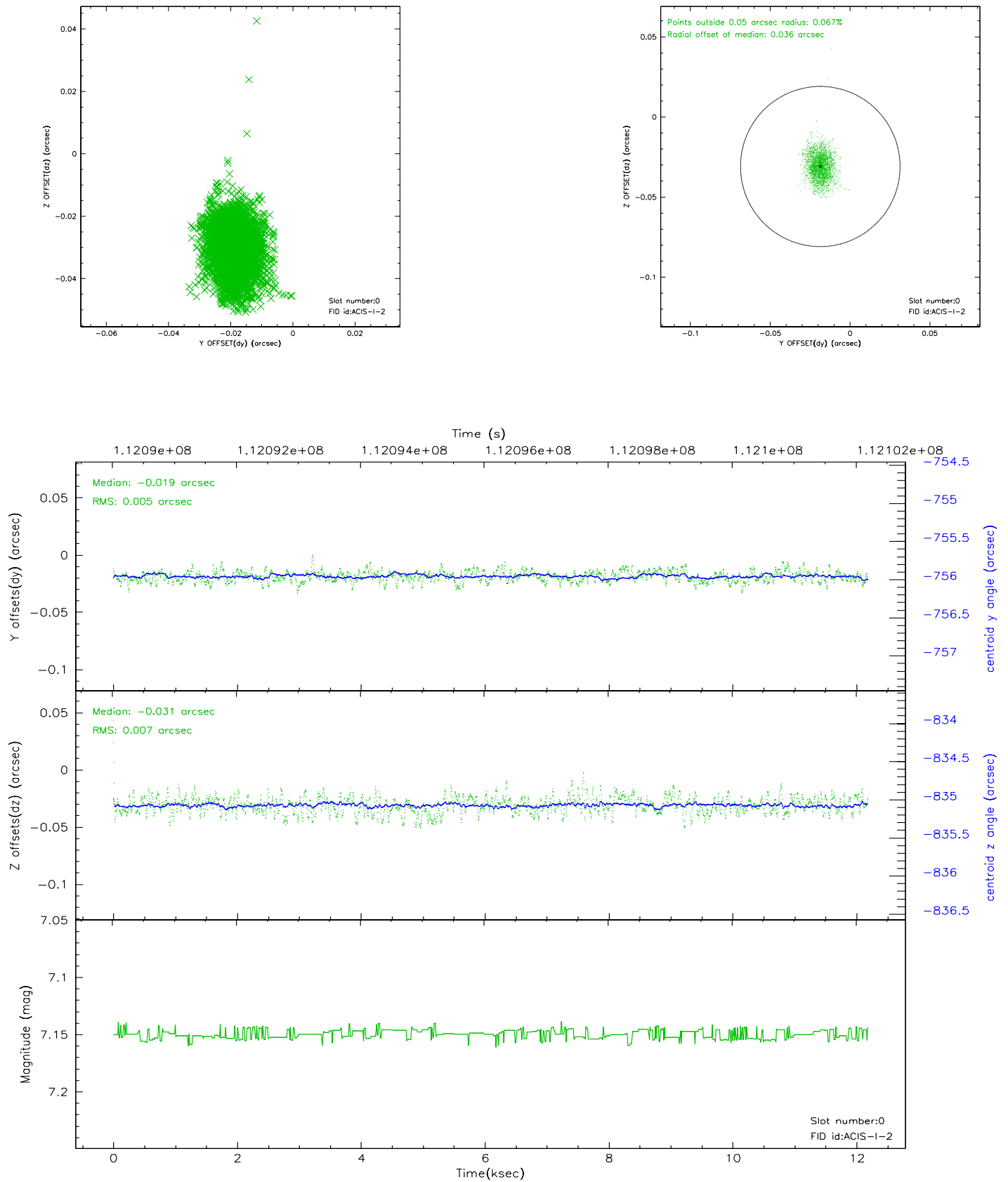


2.4.5 Slot 7

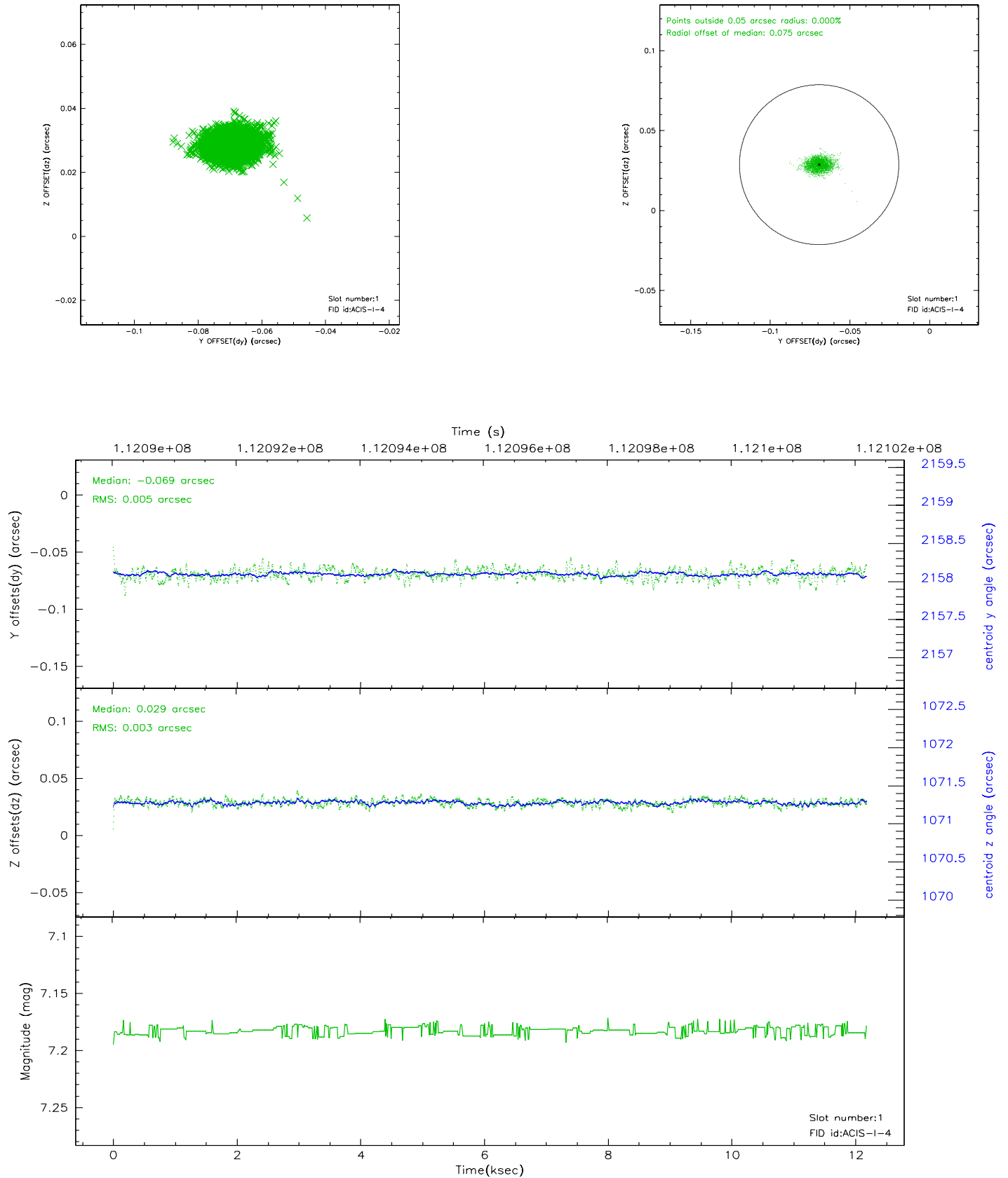


2.5 FID Slots

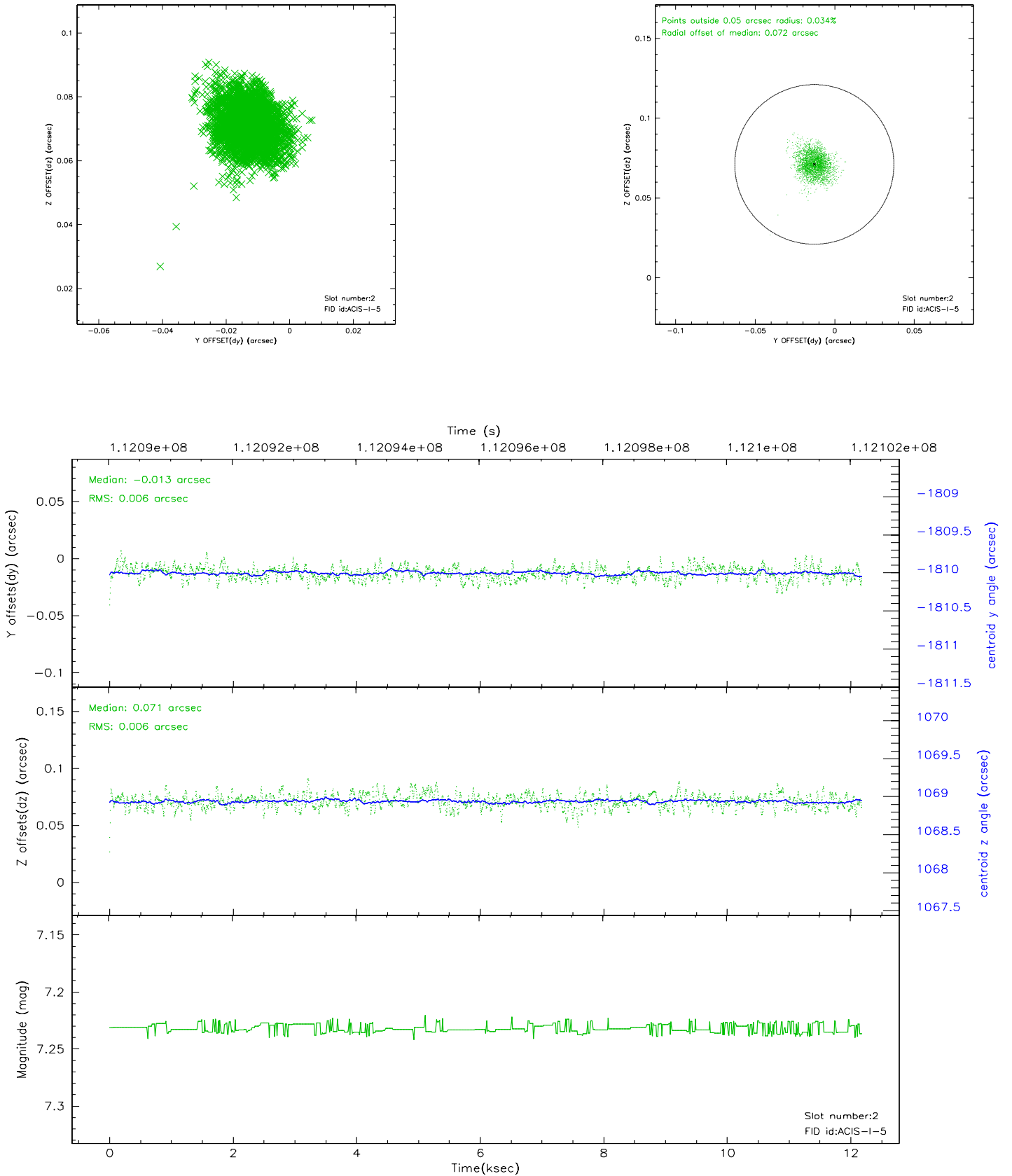
2.5.1 Slot 0



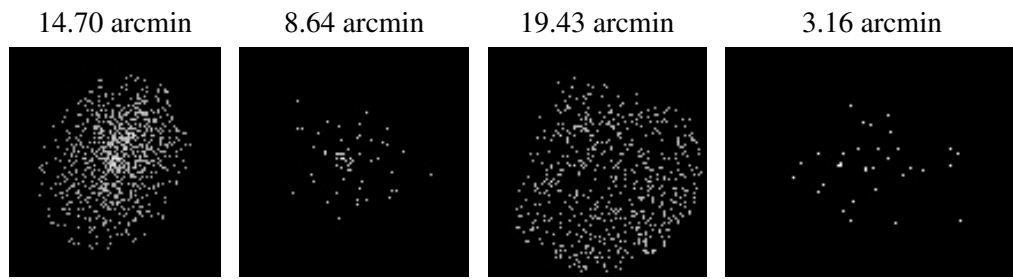
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.763

A.2 Comments

Roll constraint met.