

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1540 - L2 Version 001
Chandra X-Ray Center

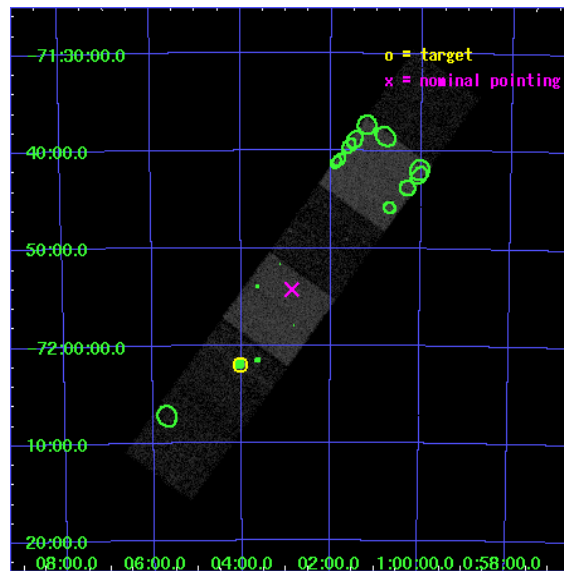
L2 Processing Date : Nov 27 2006

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1 Front

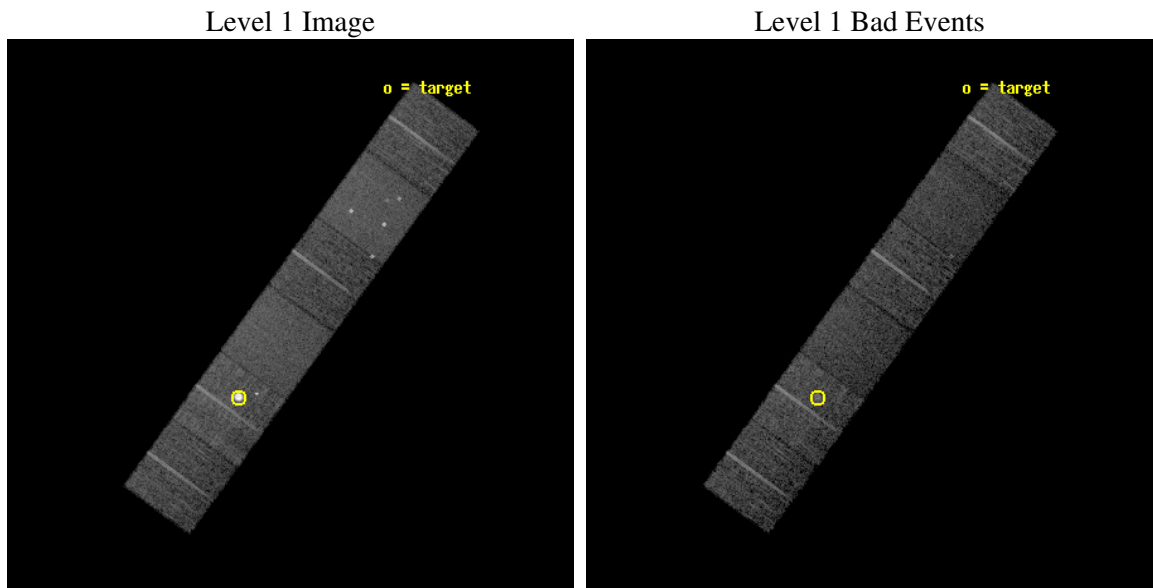
seq_num	590149
obs_id	1540
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (JUNE 2001)
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip S4, T=120, Offsets=-9,0,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	15.717101211406
dec_nom	-71.904300510601
roll_nom	126.01527491034
revision	2
ontime	7513.6000069976
livetime	7418.4582795622
ontime4	7513.6000069976
ontime5	7513.6000069976
ontime6	7513.6000069976
ontime7	7513.6000069976
ontime8	7513.6000069976
ontime9	7513.6000069976
l2events	102062



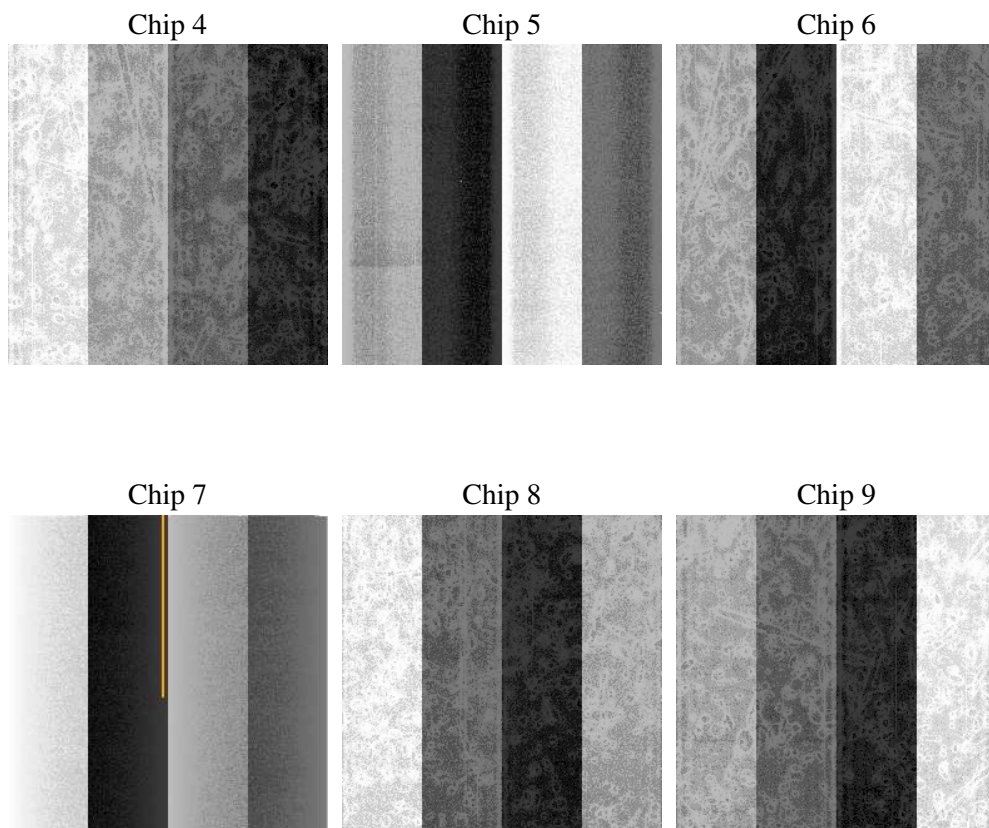
2 OBI

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	2006-11-28T03:18:58
revision	2

sched_exp_time	7755.000000
ontime	7519.1174530089
ontime4	7519.1175826192
ontime5	7519.1175826192
ontime6	7519.1175826192
ontime7	7519.1175526828
ontime8	7519.1174530089
ontime9	7519.1175826192
l1events	385386

2.1.4 Events

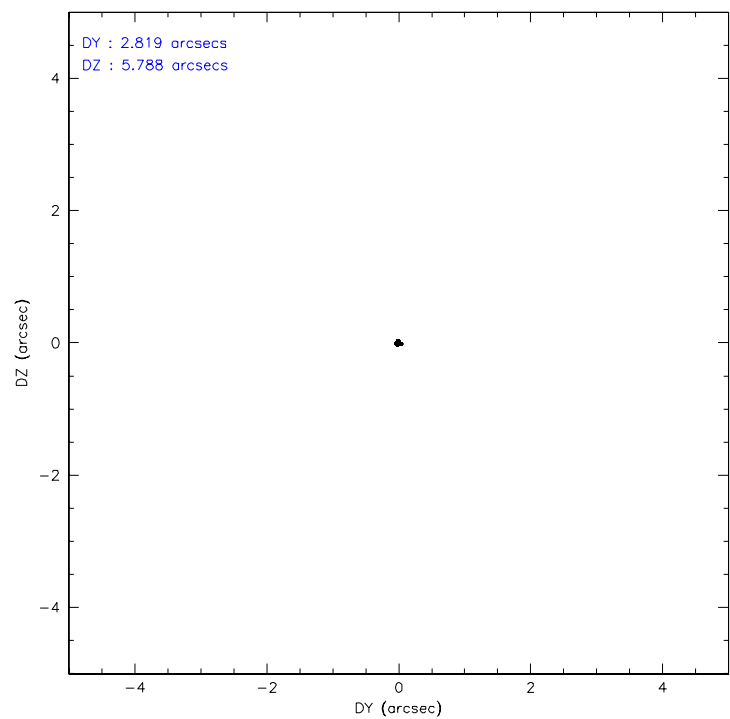
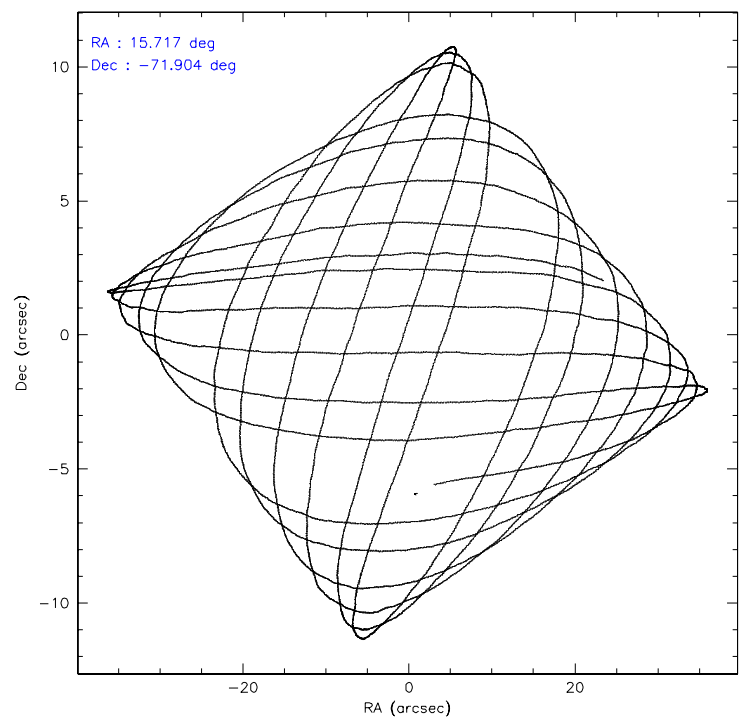
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	56283	71523	51123	63120	94835	48502
rejected events	50096	38315	45320	38420	52477	41950
rejected %	89%	53%	88%	60%	55%	86%

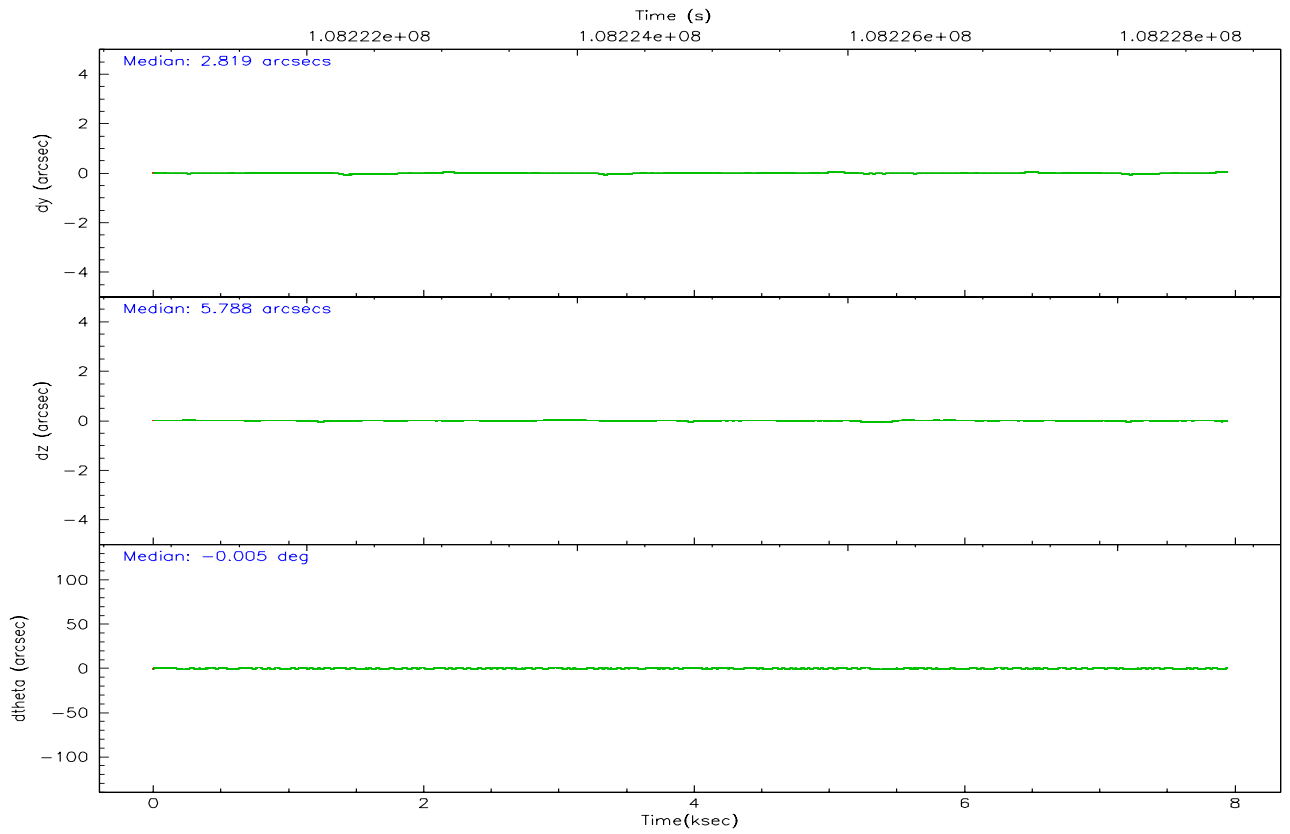
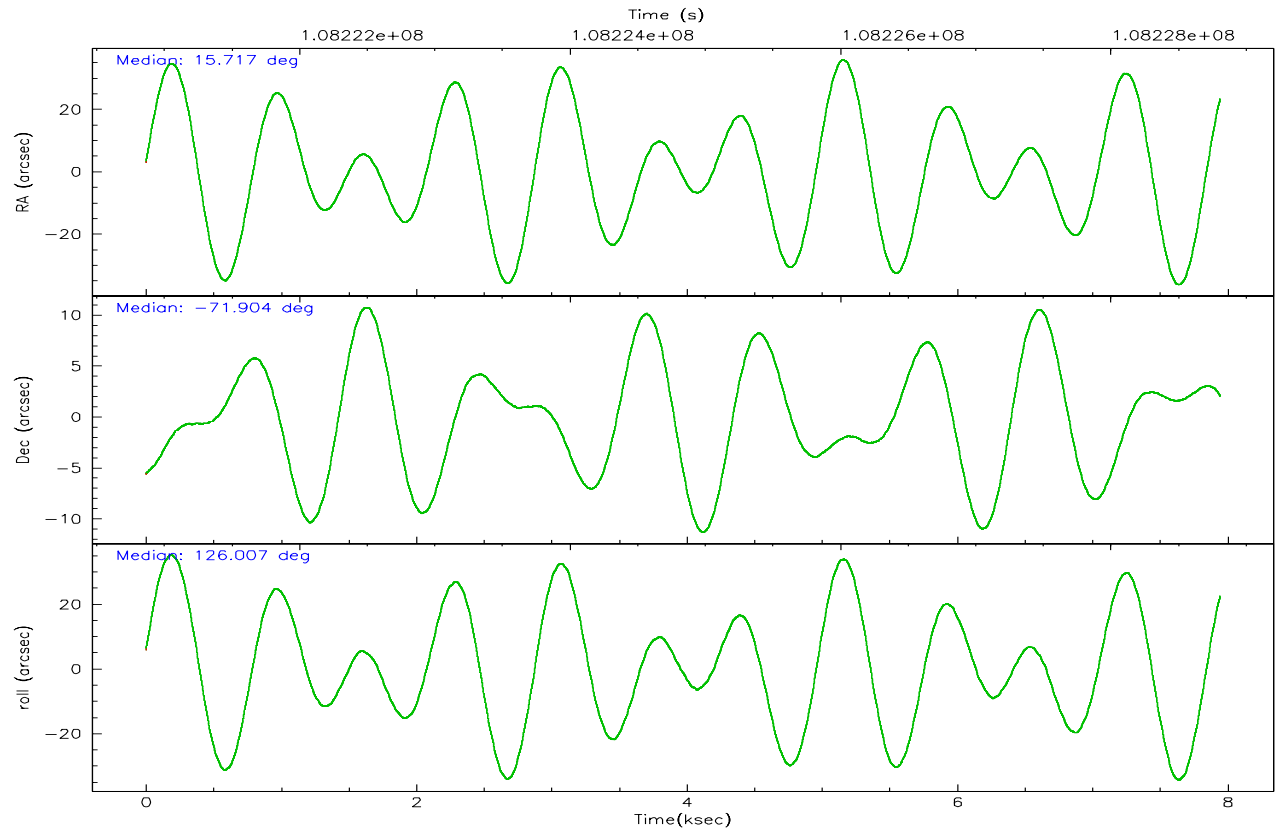
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	2557	5337	2344	1788	29986	2991
	4%	7%	4%	2%	31%	6%
grade 1 events	38	137	19	35	279	18
	0%	0%	0%	0%	0%	0%
grade 2 events	1487	9275	1192	6076	4806	1239
	2%	12%	2%	9%	5%	2%
grade 3 events	551	673	577	1376	2176	584
	0%	0%	1%	2%	2%	1%
grade 4 events	577	722	550	1385	2015	552
	1%	1%	1%	2%	2%	1%
grade 5 events	1773	3517	2047	4253	2821	2059
	3%	4%	4%	6%	2%	4%
grade 6 events	1022	17230	1143	14098	3385	1188
	1%	24%	2%	22%	3%	2%
grade 7 events	48278	34632	43251	34109	49367	39871
	85%	48%	84%	54%	52%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	15.797766	15.71710121140649	Subarray requested	NONE	NONE
Pointing Dec	-71.915128	-71.90430051060119	Alternating exposures requested	N	N
Pointing Roll	125.935326	126.0152749103426	Primary exposure time	0.000000	3.2
Window start time	107740864.184000	107740864.184000			
Window stop time	110246464.184000	110246464.184000			
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	108221051.184000	108220674.8618			
Observation start date	2001-06-06T13:23:07	2001-06-06T13:17:54			
Observation end time	108228806.184000	108228939.94962			
Observation end date	2001-06-06T15:32:22	2001-06-06T15:35:39			
Read mode	TIMED	TIMED			

2.3 Aspect



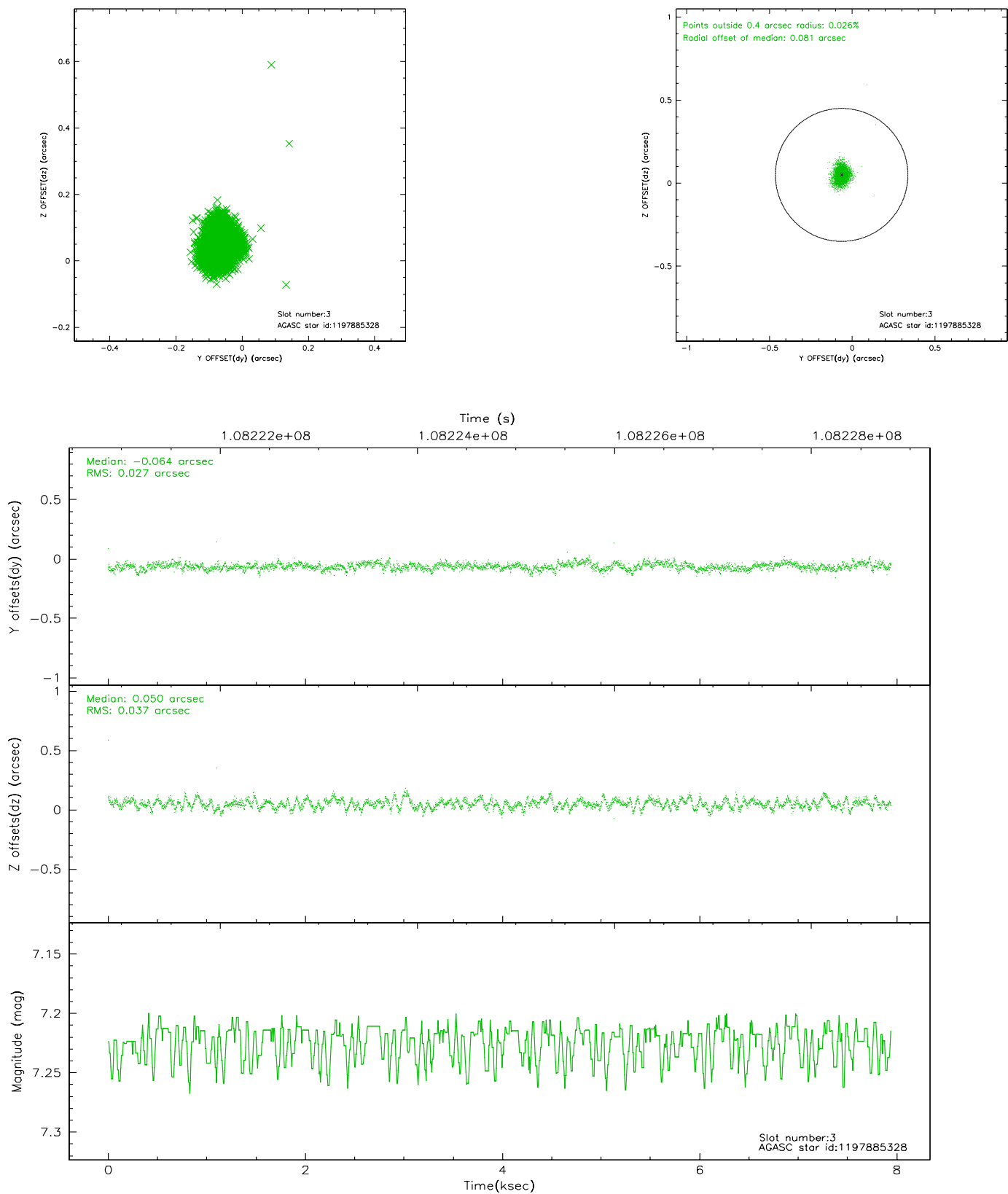


Slot Statistics

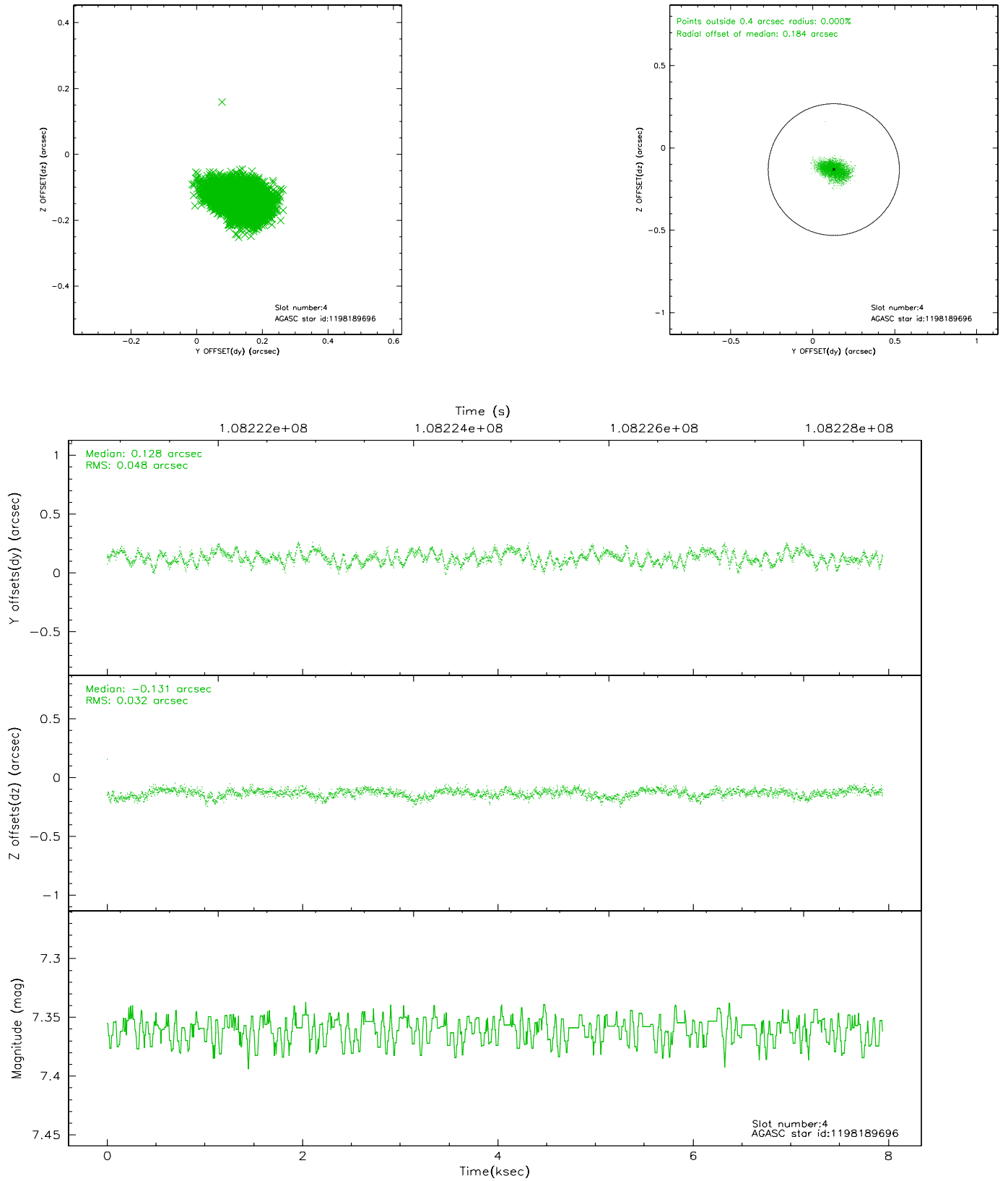
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	1937	-0.093	-0.018	0.007	0.011	0.000000	0.000000	57.67	-1855.95
1	FID	ACIS-S-4	7.20	1938	-0.048	0.057	0.005	0.009	0.000000	0.000000	2157.87	180.89
2	FID	ACIS-S-5	7.23	1938	0.113	-0.030	0.006	0.010	0.000000	0.000000	-1807.27	175.31
3	GUIDE	1197885328	7.22	3876	-0.064	0.050	0.047	0.077	16.283090	-71.733943	205.27	-824.98
4	GUIDE	1198189696	7.36	3876	0.128	-0.131	0.062	0.099	15.223750	-72.697522	-1922.20	2151.76
5	GUIDE	1197750936	7.56	3876	-0.091	0.067	0.048	0.077	15.387940	-71.549550	1338.04	-392.55
6	GUIDE	1197884536	8.50	3876	0.013	0.044	0.066	0.107	17.160729	-71.835289	-678.08	-1397.13
7	GUIDE	1197884712	8.30	3874	0.011	-0.024	0.060	0.098	16.087398	-72.252690	-1171.05	455.72

2.4 Star Slots

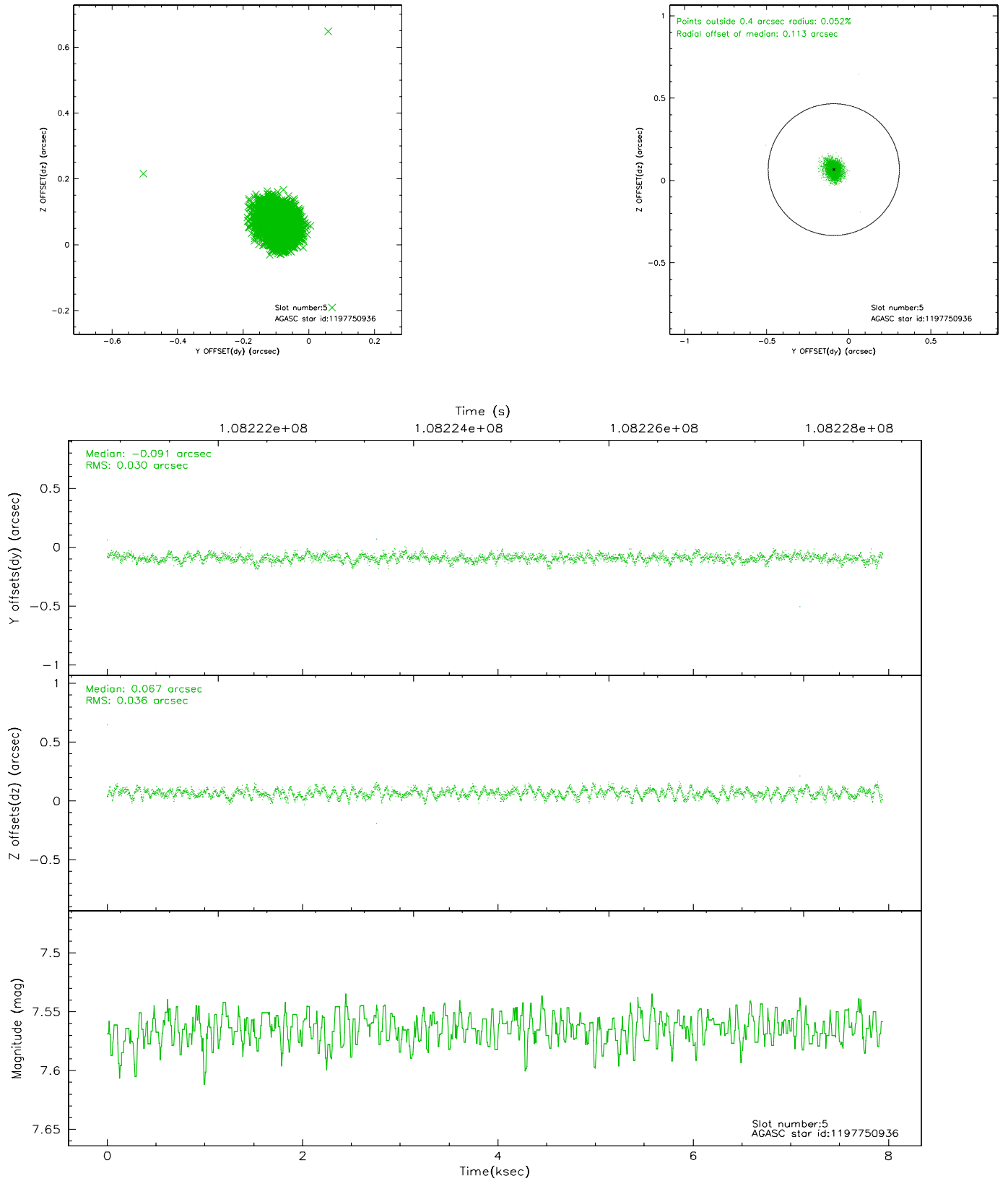
2.4.1 Slot 3



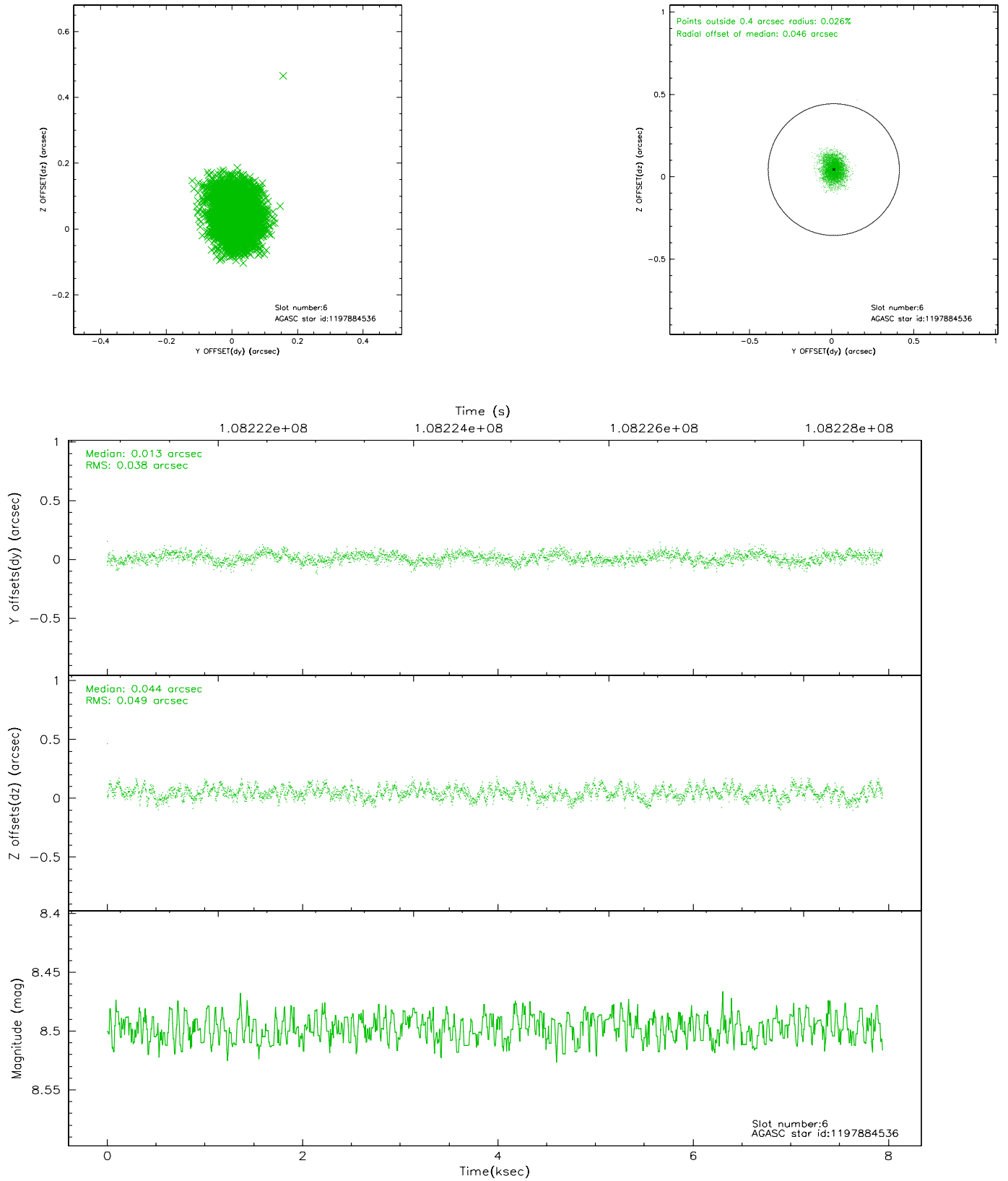
2.4.2 Slot 4



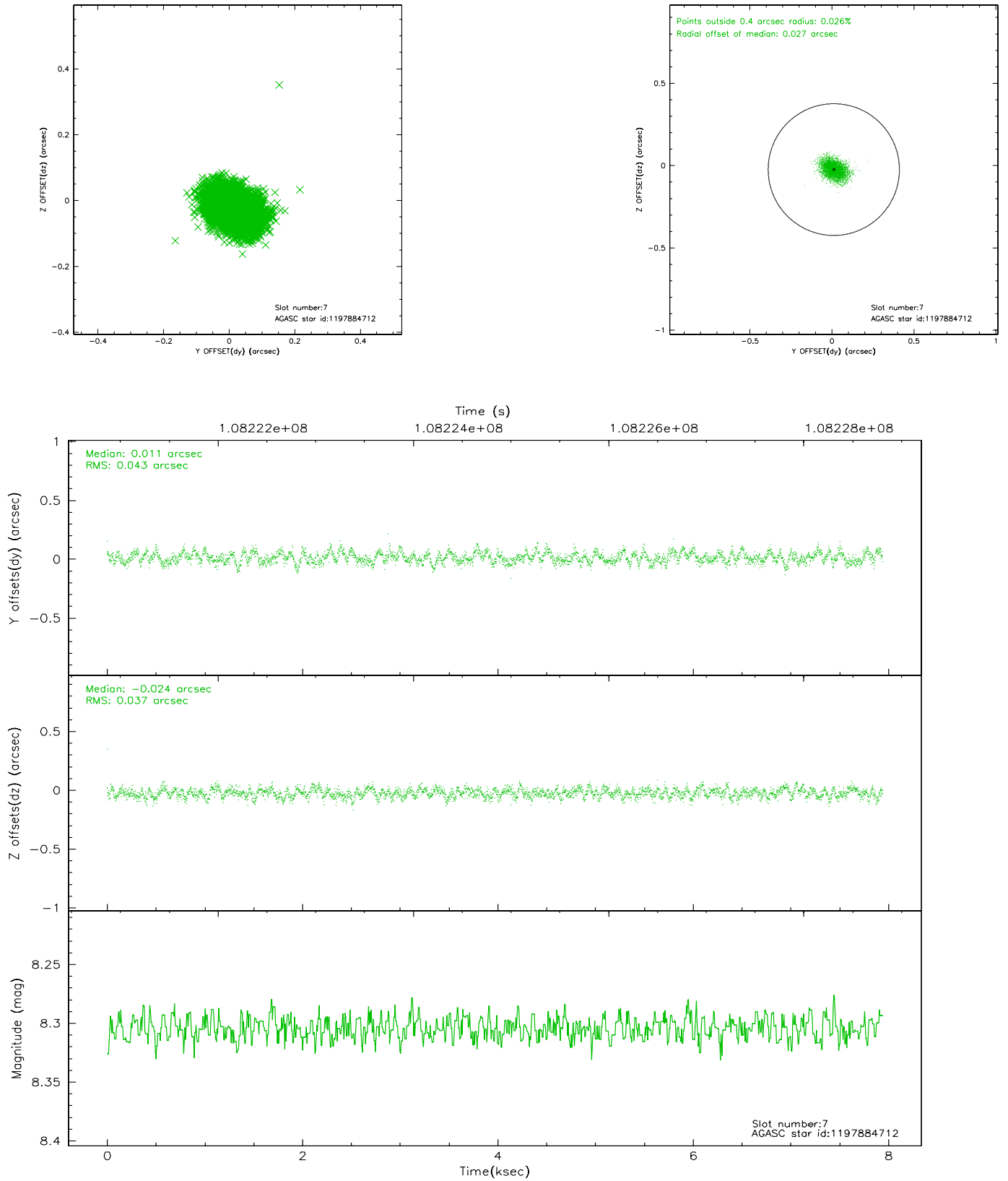
2.4.3 Slot 5



2.4.4 Slot 6

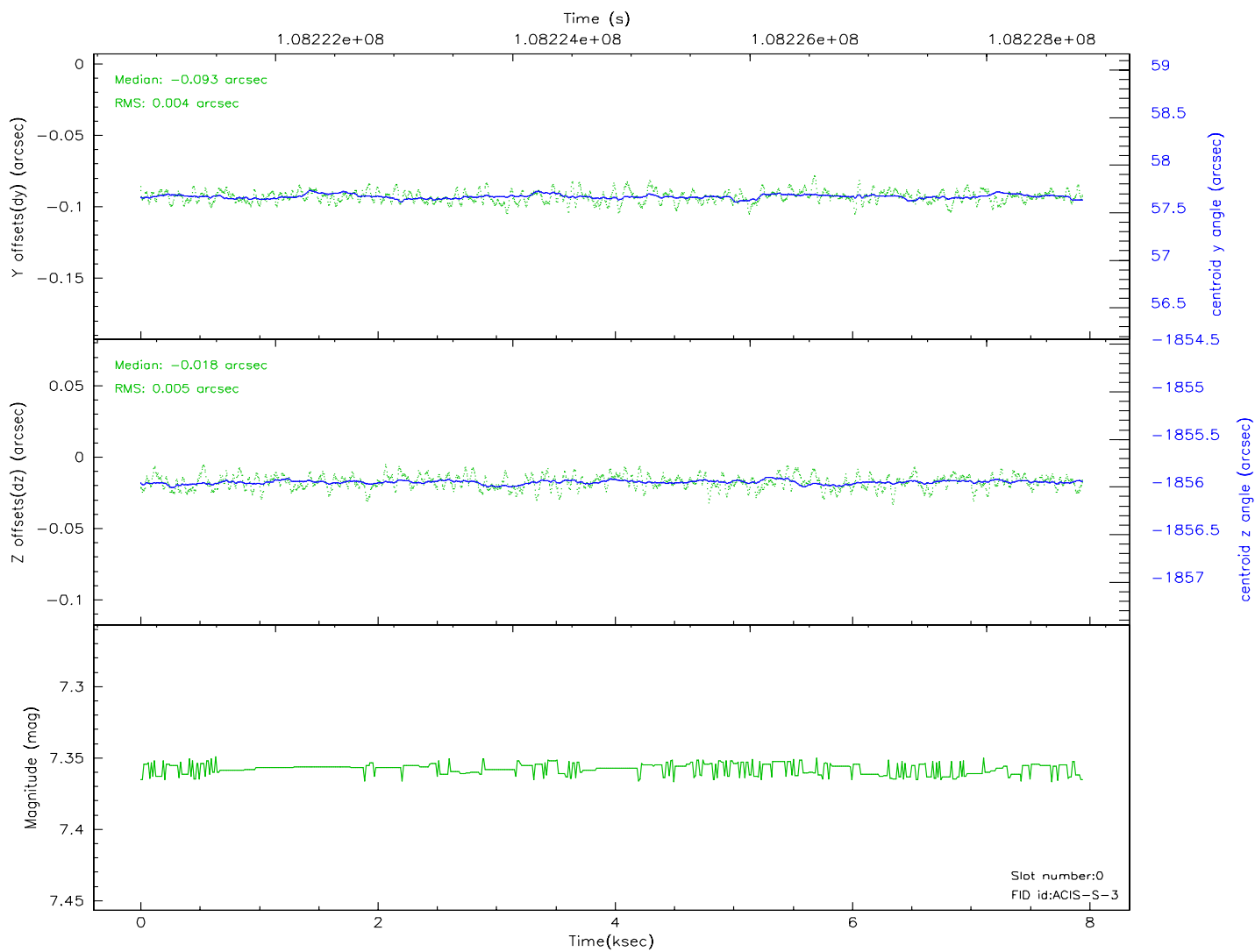
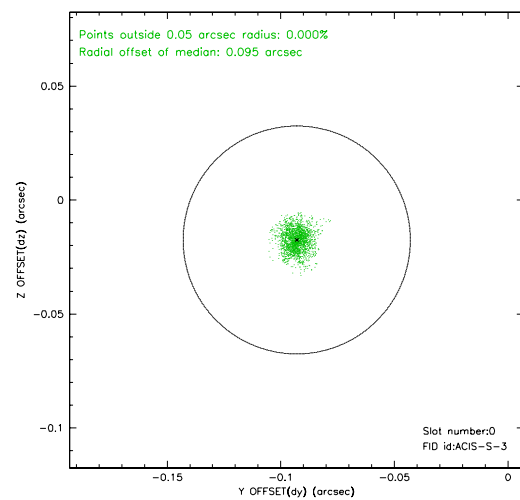
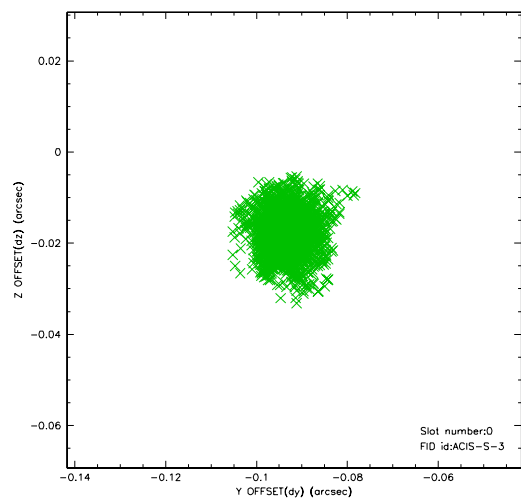


2.4.5 Slot 7

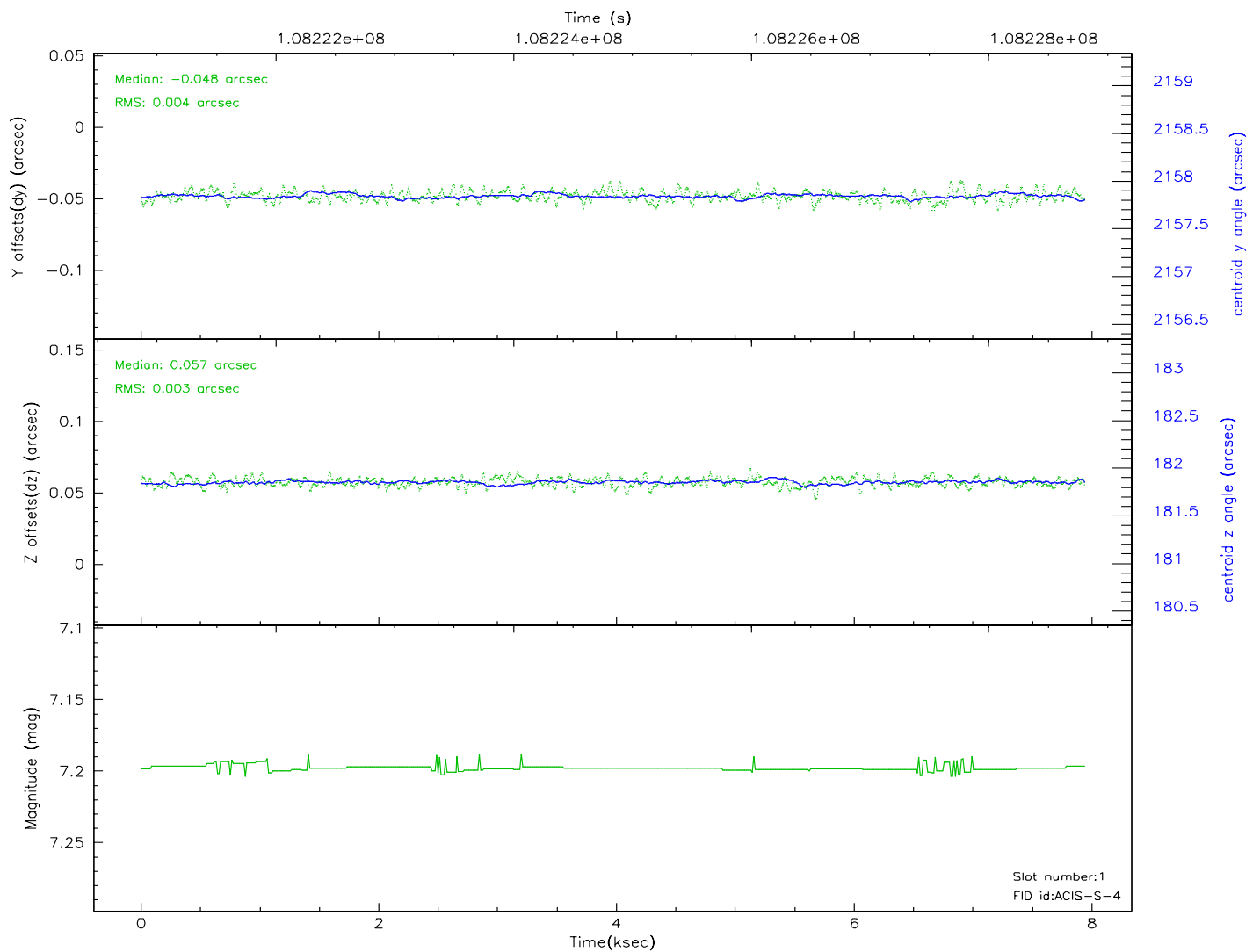
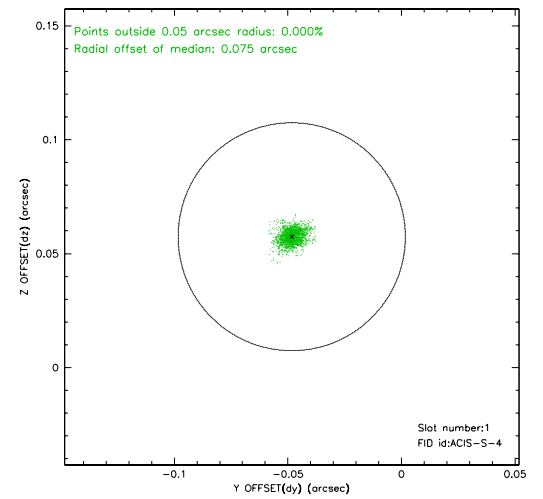
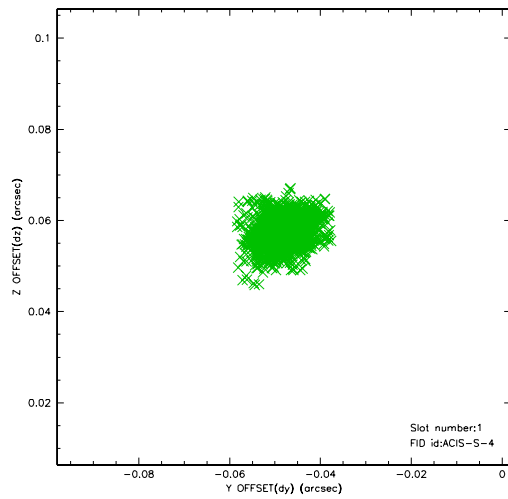


2.5 FID Slots

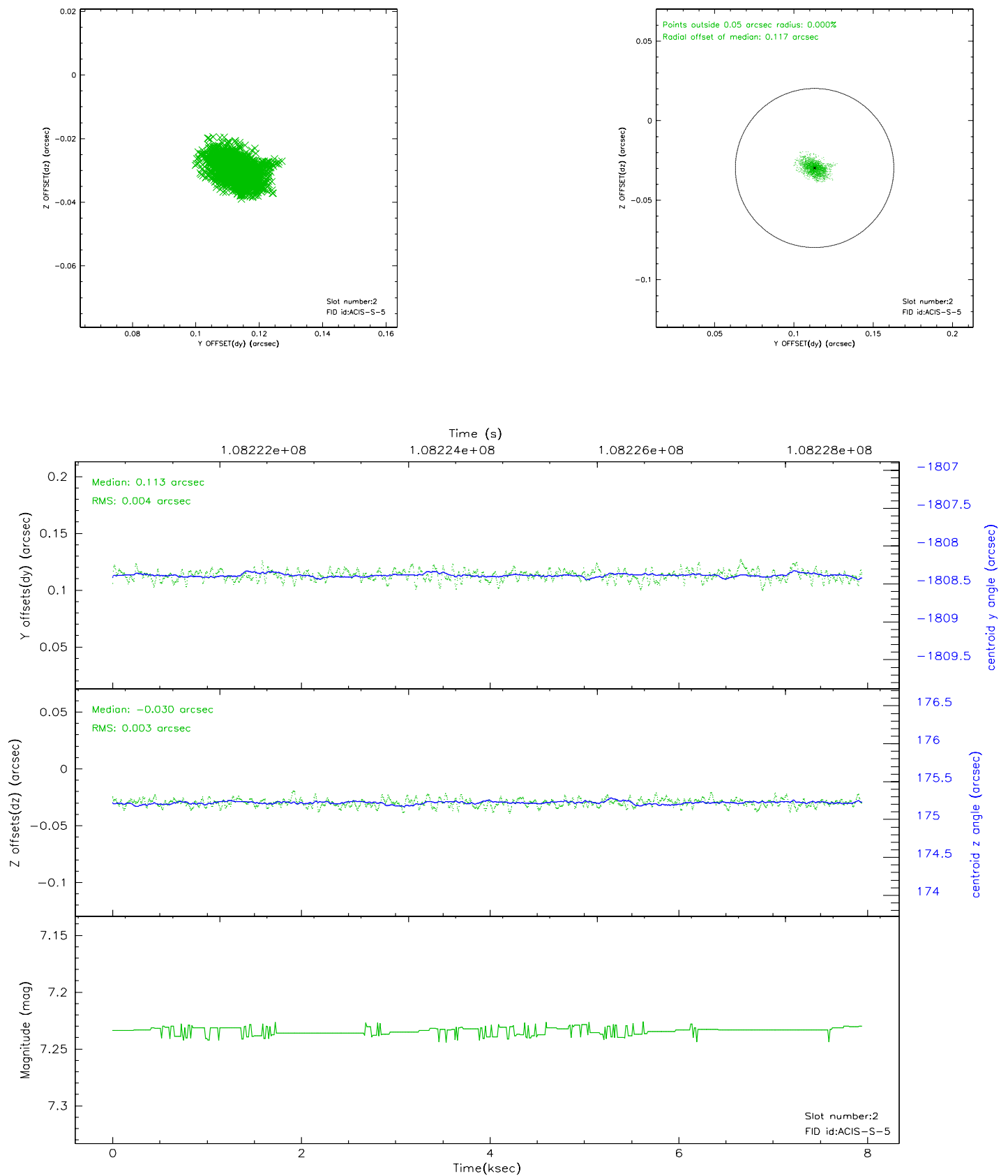
2.5.1 Slot 0



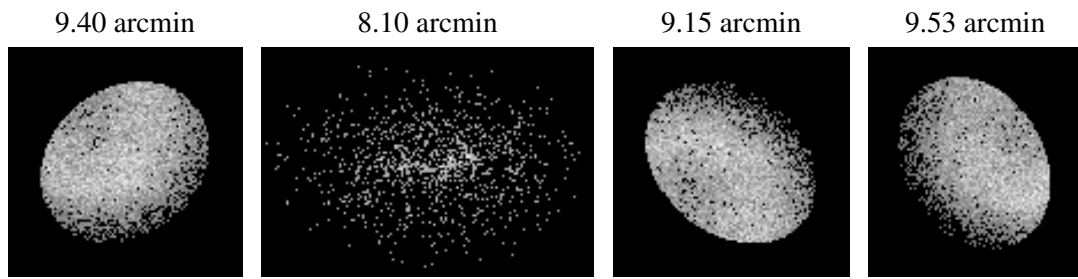
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.51

A.2 Comments

Window constraint met.