

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1546 - L2 Version 001
Chandra X-Ray Center

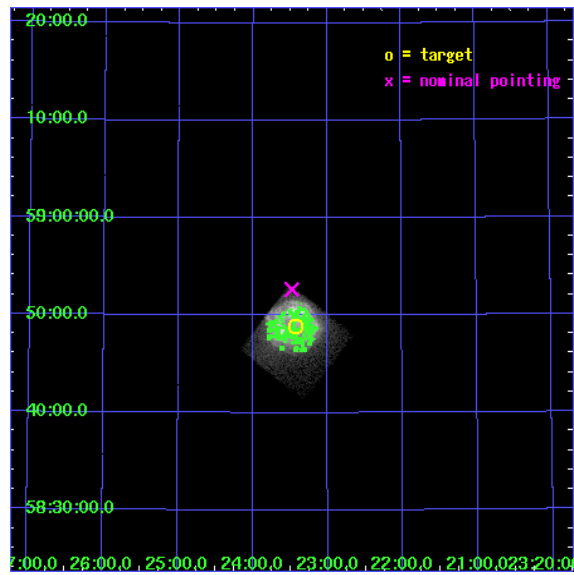
L2 Processing Date : Dec 14 2006

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1 Front

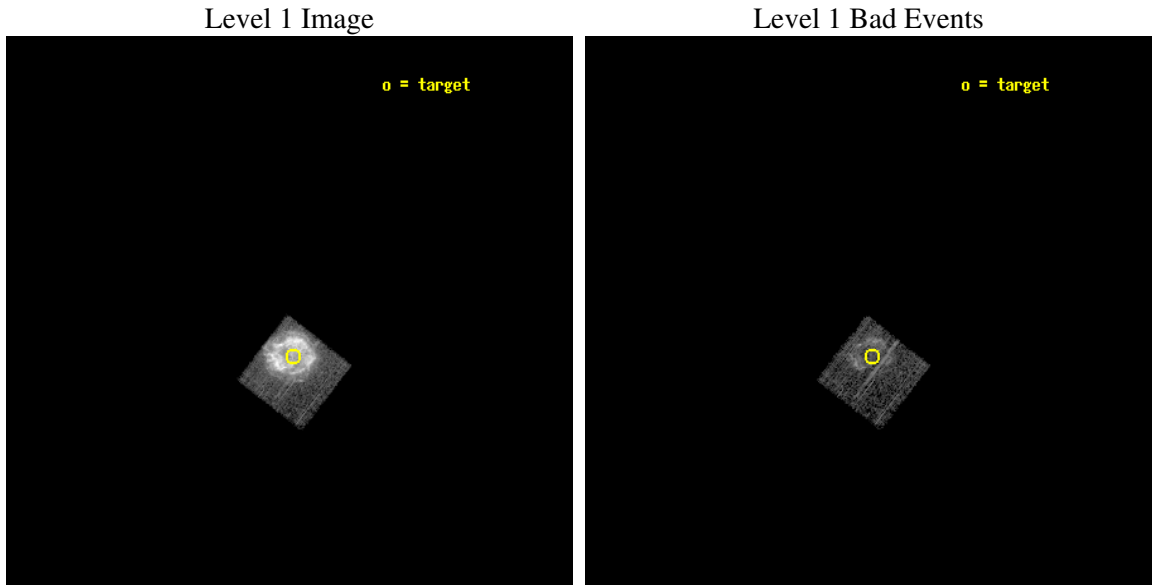
seq_num	590155
obs_id	1546
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE CAS A
observer	Dr. CXC Calibration
object	CAS A [Chip I3, T=120, Offsets=-2,2,0]
dtcycle	0
cycle	P
ra_targ	350.8575
dec_targ	58.814833
ra_nom	350.86933996607
dec_nom	58.877940944508
roll_nom	127.9998610557
revision	2
ontime	1407.6409119219
livetime	1389.8165151155
ontime0	1942.400001809
ontime1	1942.400001809
ontime2	1942.400001809
ontime3	1407.6409119219
ontime6	1942.400001809
ontime7	1942.400001809
l2events	309331



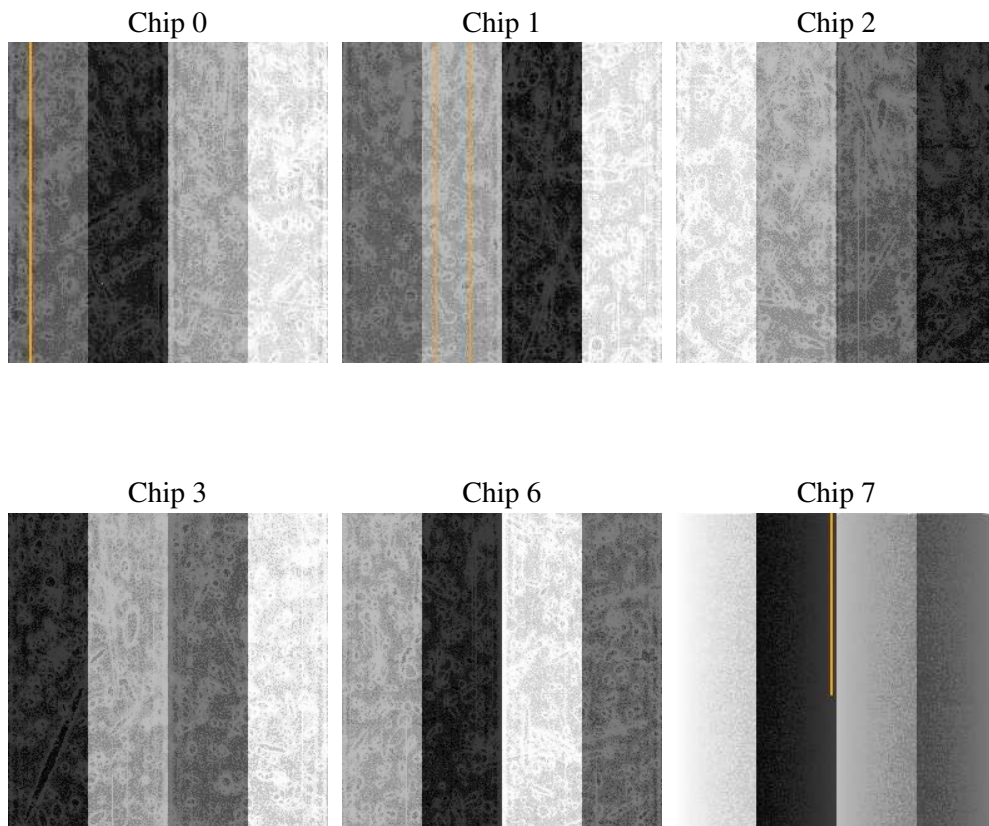
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-12-14T07:56:56
revision	2

sched_exp_time	2000.000000
ontime	1413.0815262049
ontime0	1947.8406160921
ontime1	1947.8406160921
ontime2	1947.8406160921
ontime3	1413.0815262049
ontime6	1947.8406160921
ontime7	1947.8406160921
l1events	370301

2.1.4 Events

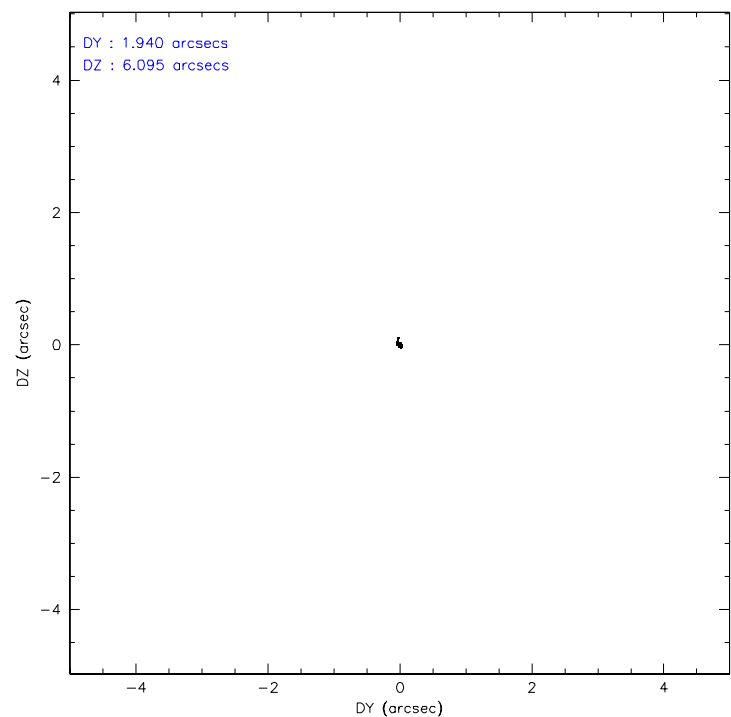
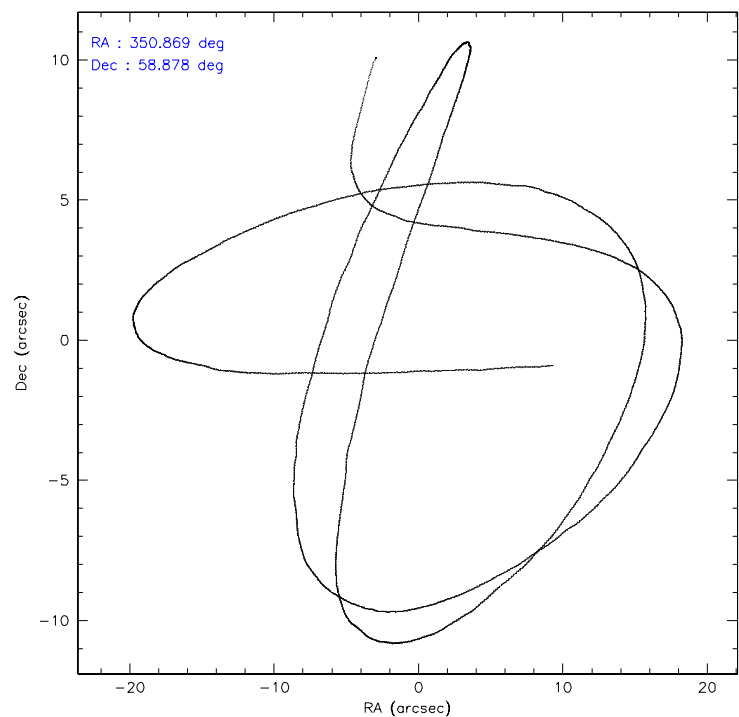
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	370301	0	0
rejected events	0	0	0	52518	0	0
rejected %	0%	0%	0%	14%	0%	0%

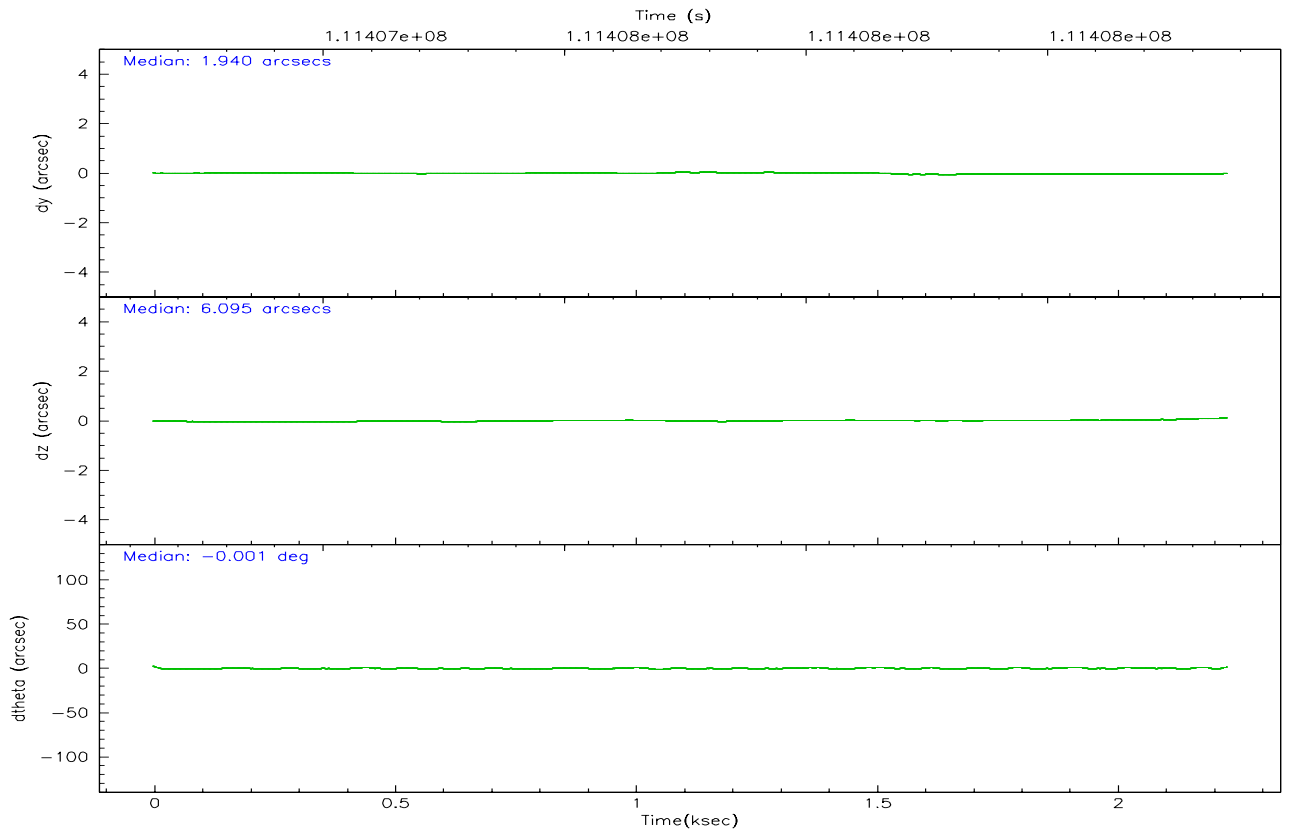
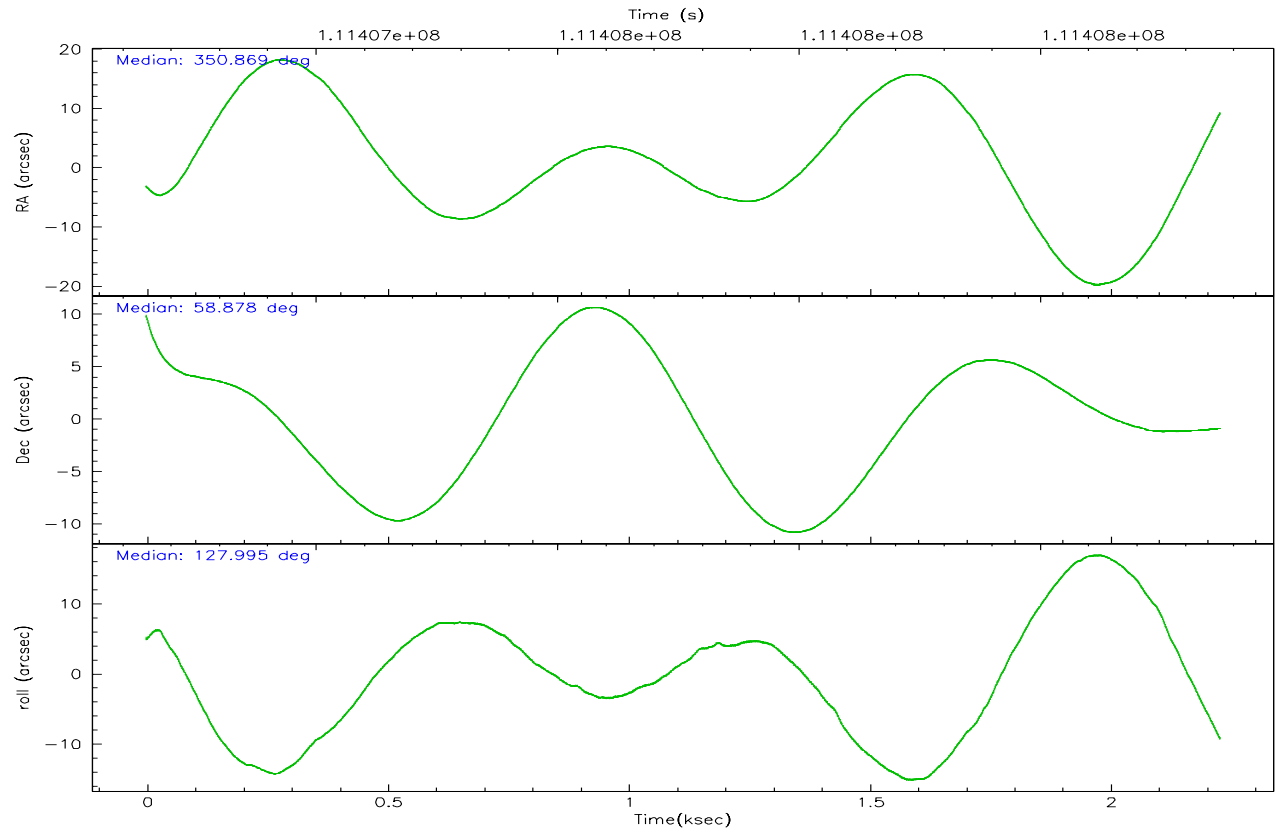
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	257907	0	0
	0%	0%	0%	69%	0%	0%
grade 1 events	0	0	0	4295	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	33712	0	0
	0%	0%	0%	9%	0%	0%
grade 3 events	0	0	0	10162	0	0
	0%	0%	0%	2%	0%	0%
grade 4 events	0	0	0	10340	0	0
	0%	0%	0%	2%	0%	0%
grade 5 events	0	0	0	2818	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	7138	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	43929	0	0
	0%	0%	0%	11%	0%	0%

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	350.918643	350.8693399660722	Subarray requested	NONE	NONE
Pointing Dec	58.867605	58.87794094450819	Alternating exposures requested	N	N
Pointing Roll	127.748941	127.9998610557019	Primary exposure time	0.000000	3.2
Window start time	110332864.184000	110332864.184000			
Window stop time	112838464.184000	112838464.184000			
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	111406874.184000	111405882.98613			
Observation start date	2001-07-13T10:20:10	2001-07-13T10:04:42			
Observation end time	111408874.184000	111409657.03628			
Observation end date	2001-07-13T10:53:30	2001-07-13T11:07:37			
Read mode	TIMED	TIMED			

2.3 Aspect



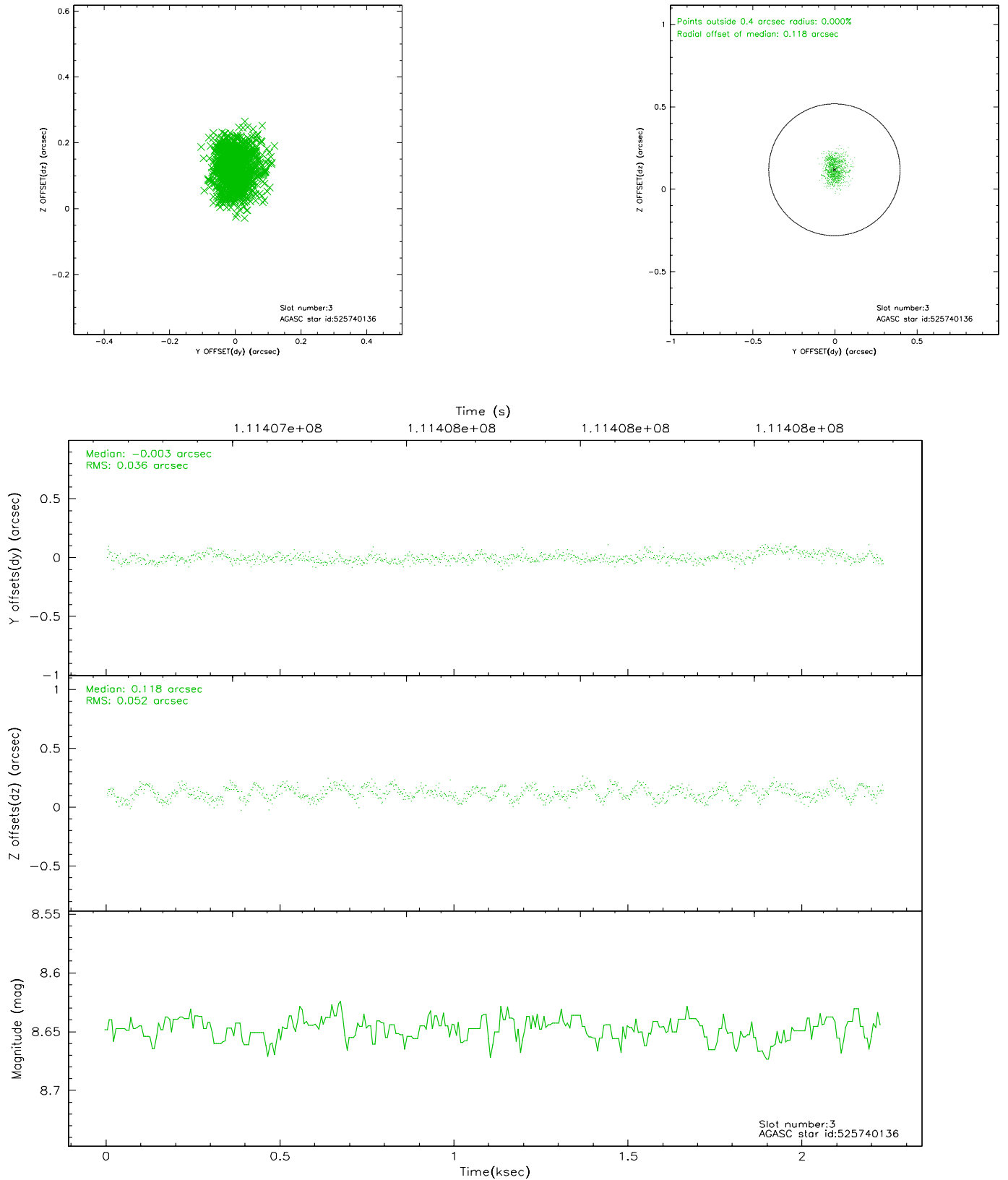


Slot Statistics

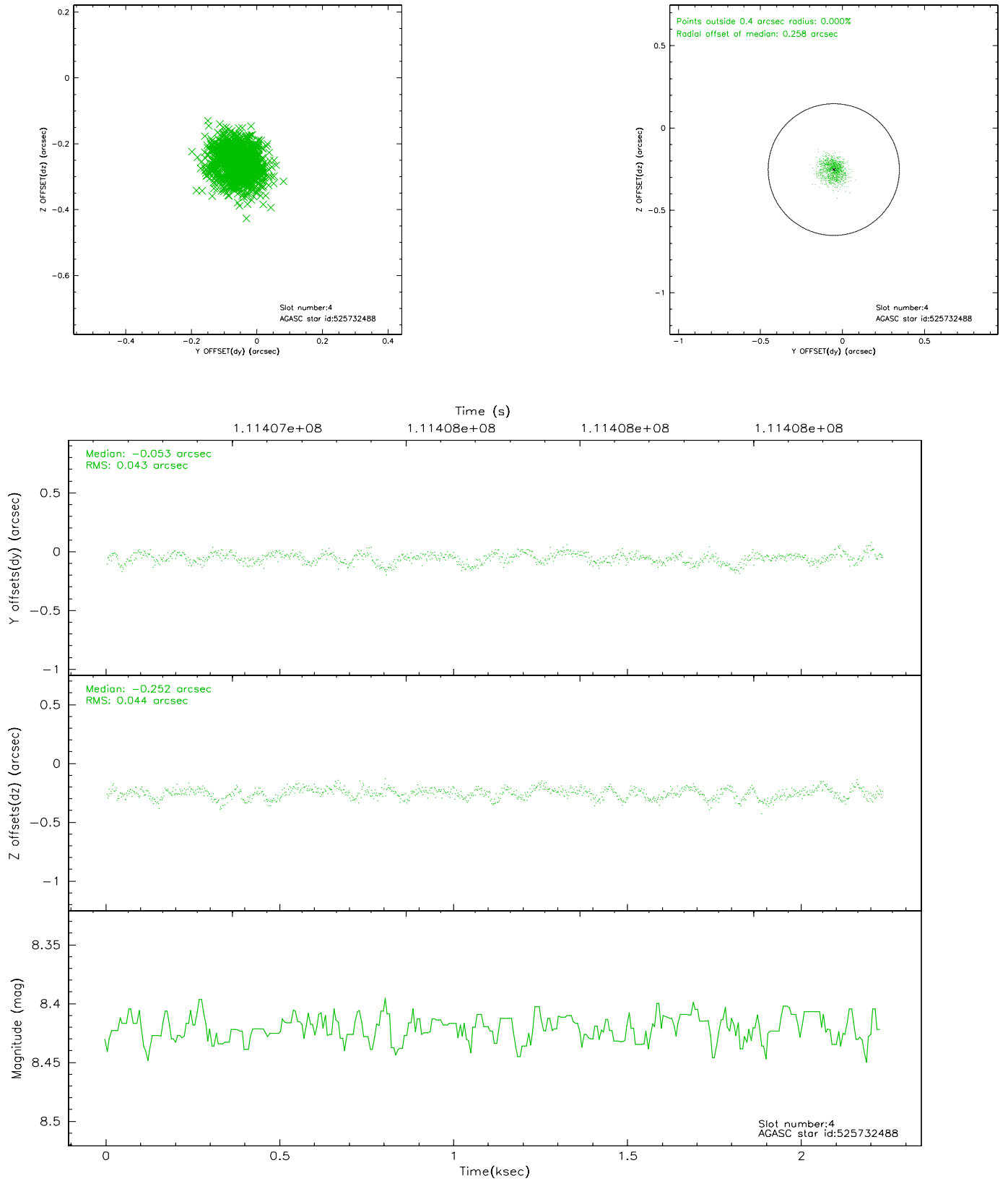
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	544	-0.033	0.043	0.006	0.010	0.000000	0.000000	937.84	-829.43
1	FID	ACIS-I-5	7.24	545	-0.013	0.031	0.006	0.010	0.000000	0.000000	-1808.59	1066.63
2	FID	ACIS-I-6	7.26	544	-0.046	-0.004	0.006	0.010	0.000000	0.000000	400.25	1714.38
3	GUIDE	525740136	8.65	1089	-0.003	0.118	0.069	0.106	352.585881	58.767876	-2158.74	-2264.11
4	GUIDE	525732488	8.42	1089	-0.053	-0.252	0.067	0.105	350.087090	58.516915	-36.26	2001.19
5	GUIDE	525732232	9.12	1089	0.068	0.025	0.074	0.113	351.669550	58.757012	-1167.65	-867.54
6	GUIDE	525736400	9.06	1088	0.014	0.017	0.068	0.106	350.974563	59.175145	810.76	-759.65
7	GUIDE	525737208	9.38	1087	-0.024	0.095	0.076	0.125	351.154109	59.407897	1274.75	-1532.41

2.4 Star Slots

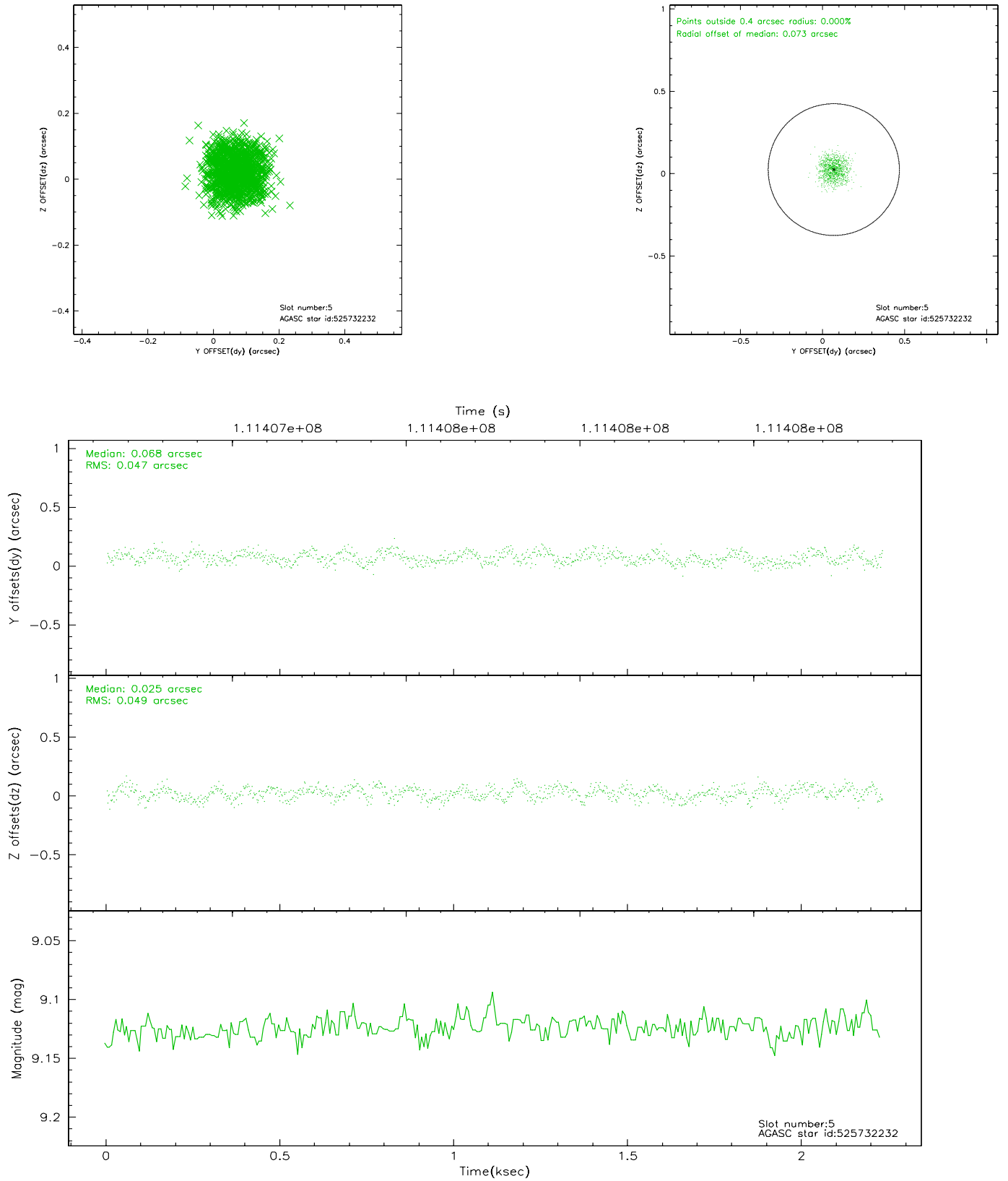
2.4.1 Slot 3



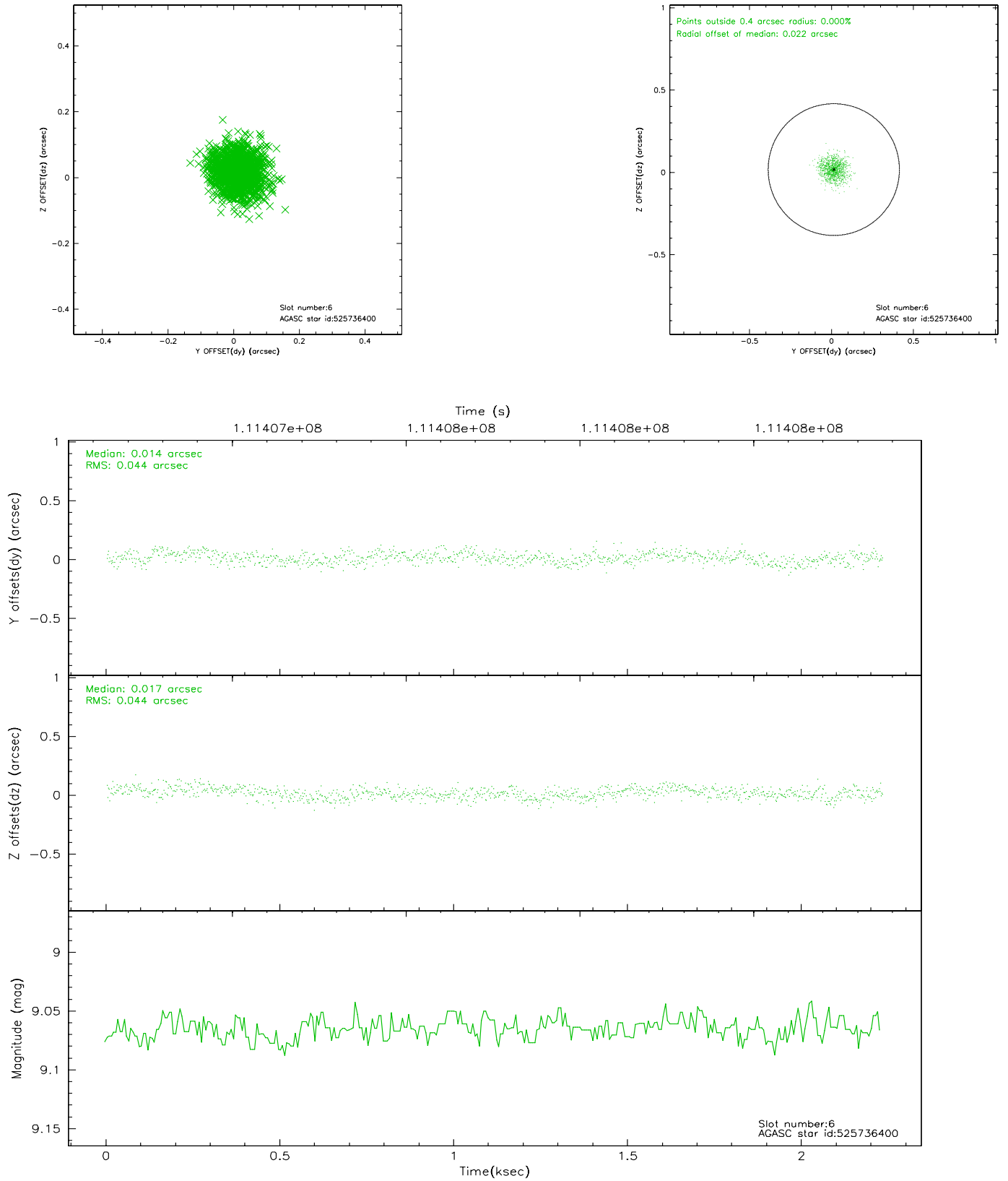
2.4.2 Slot 4



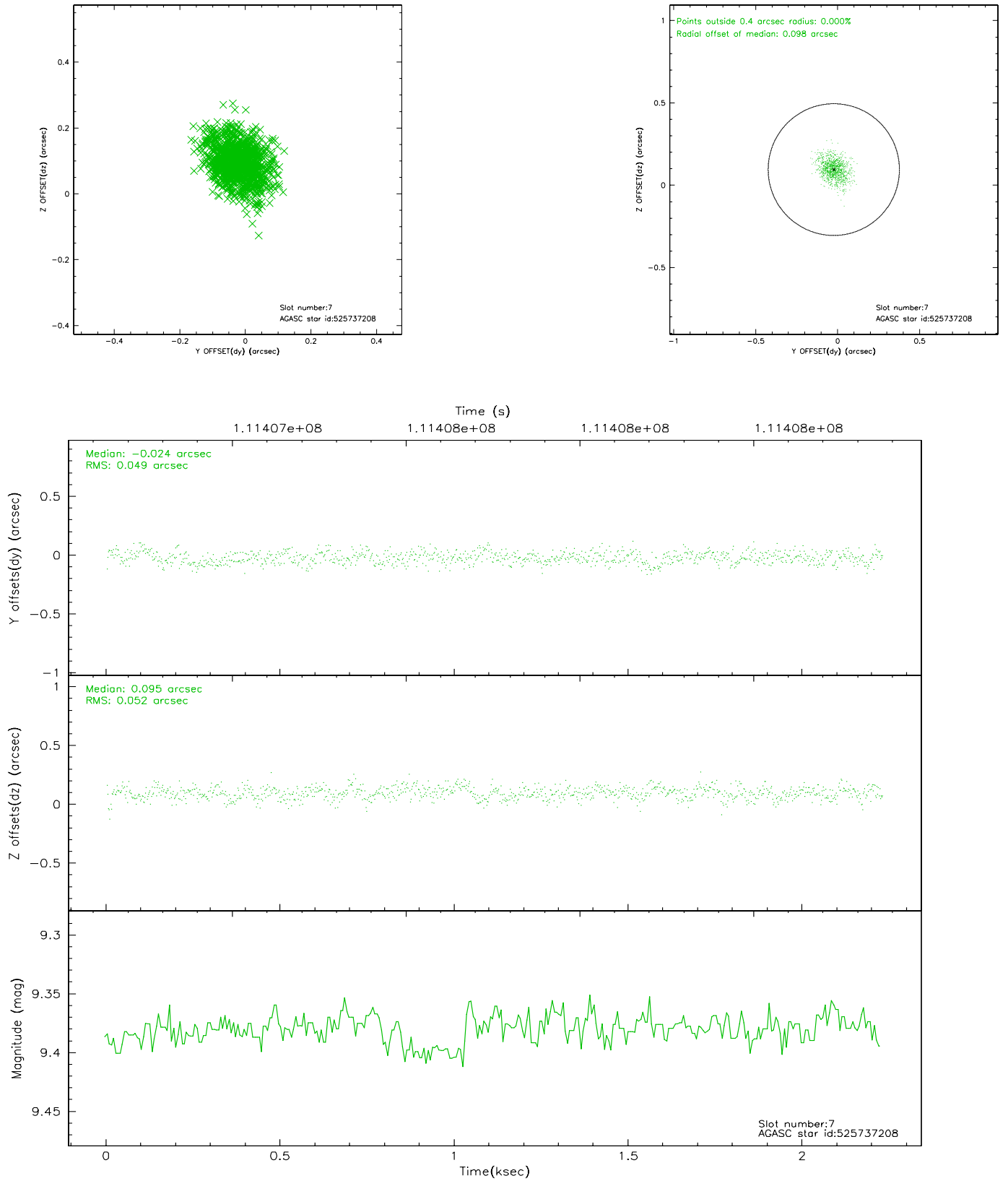
2.4.3 Slot 5



2.4.4 Slot 6

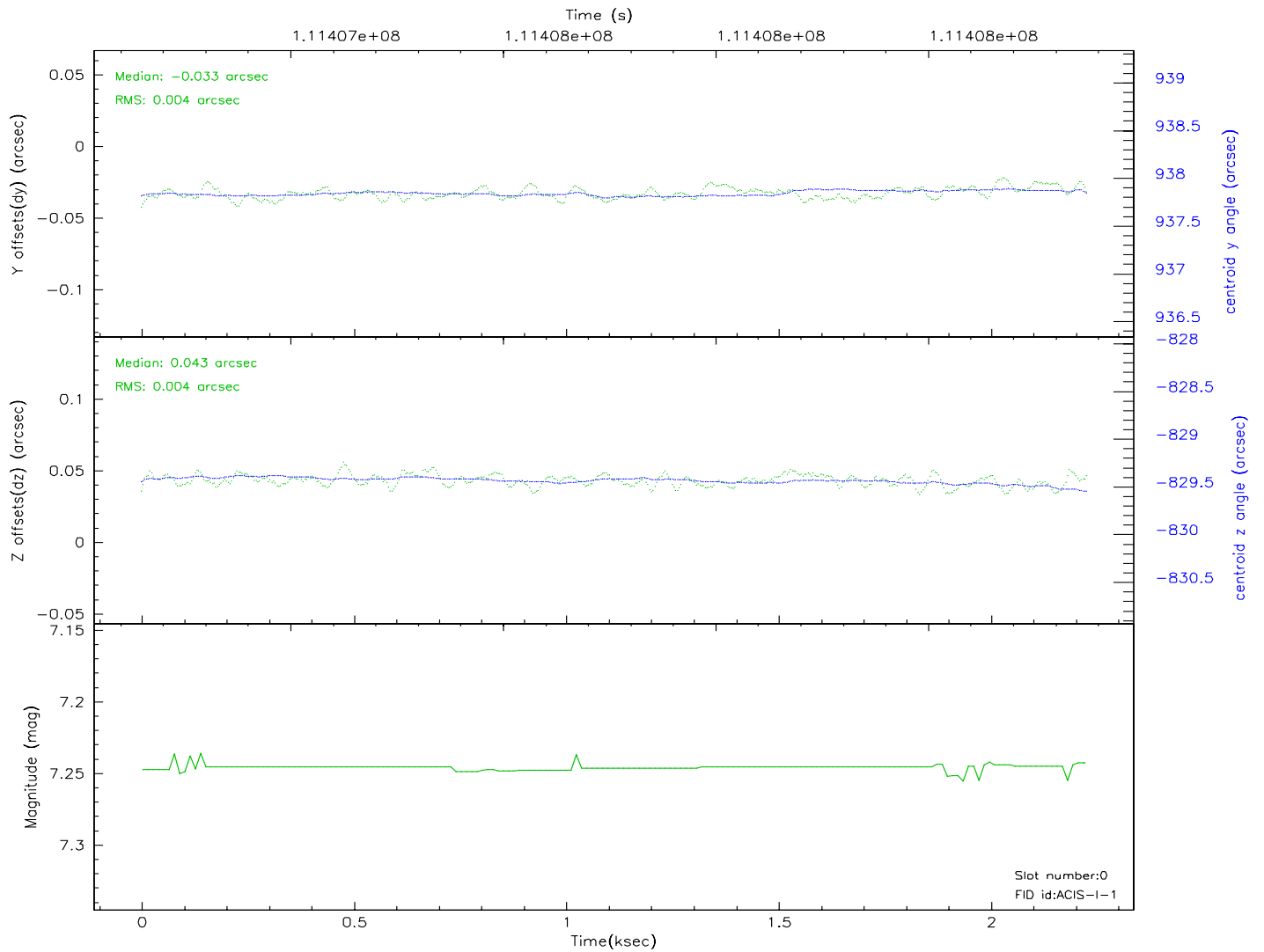
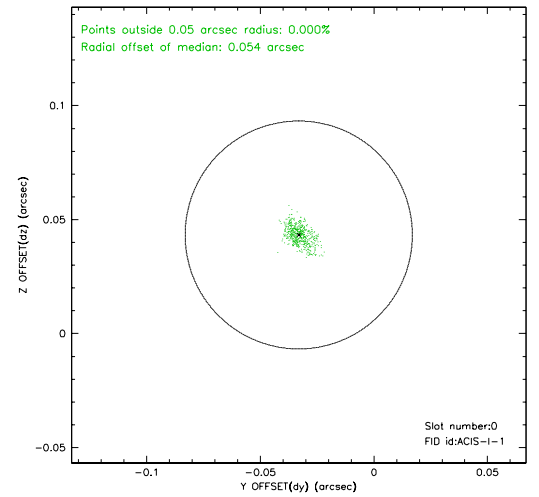
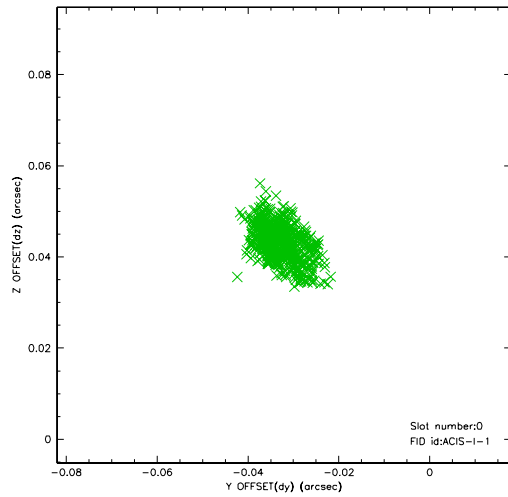


2.4.5 Slot 7

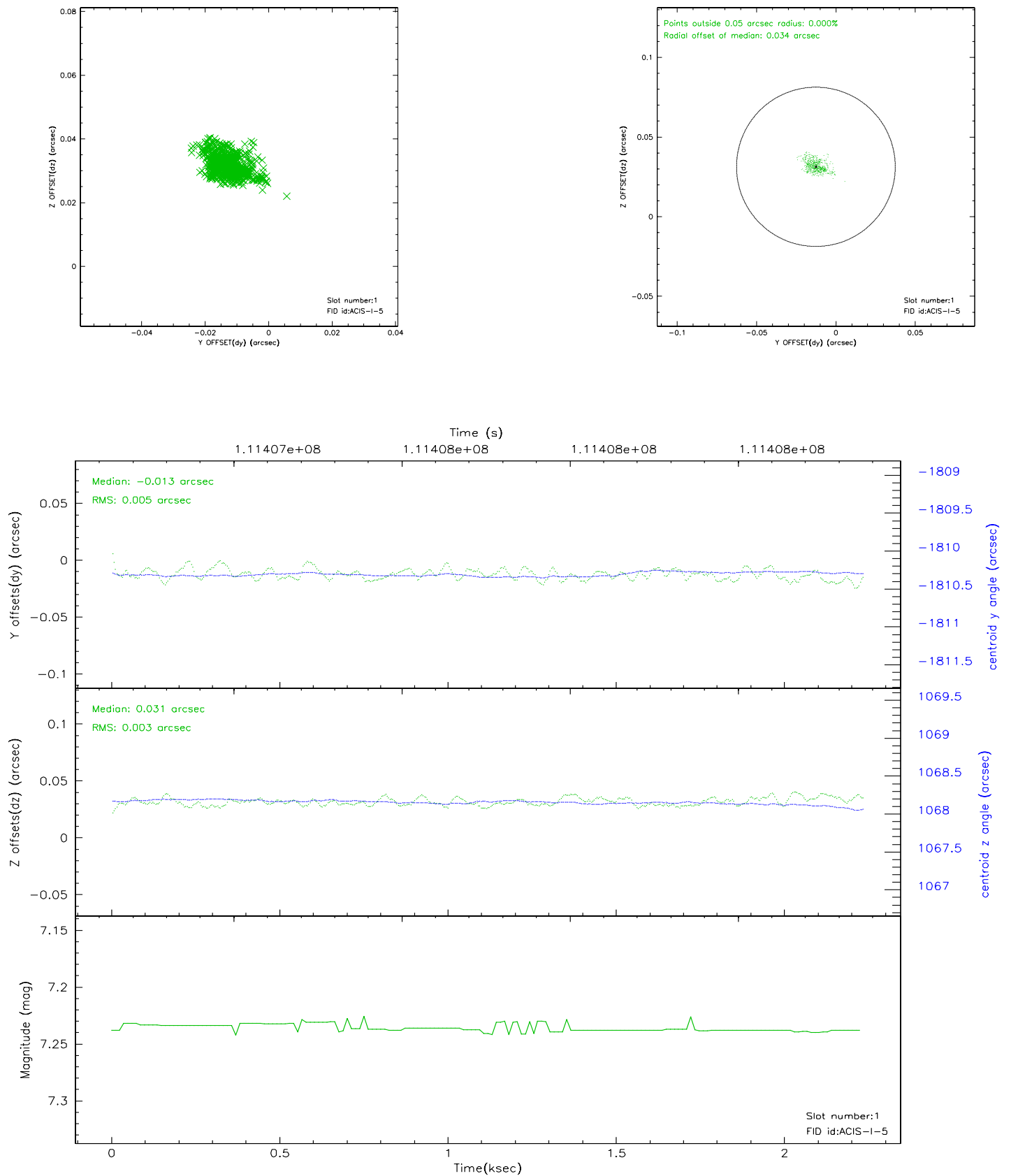


2.5 FID Slots

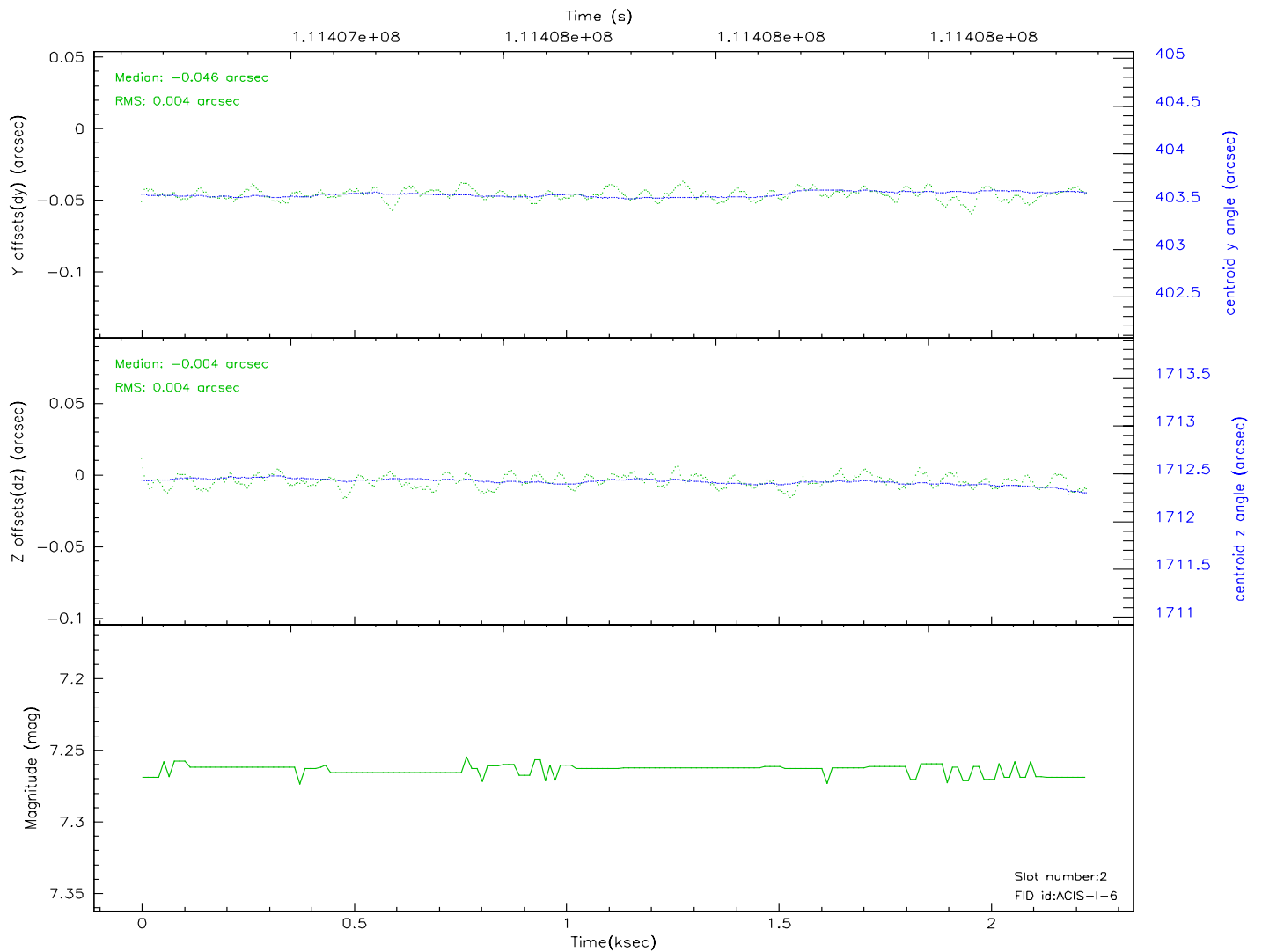
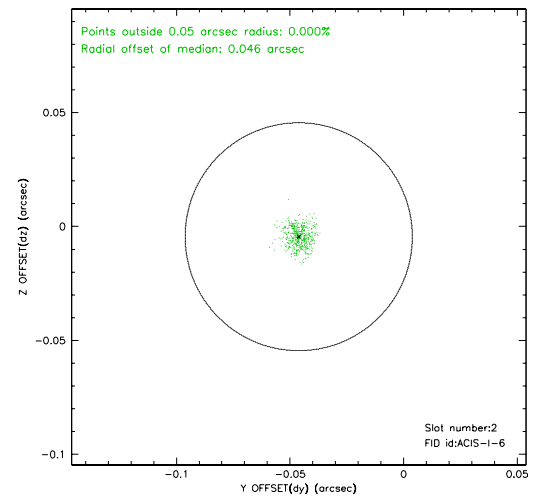
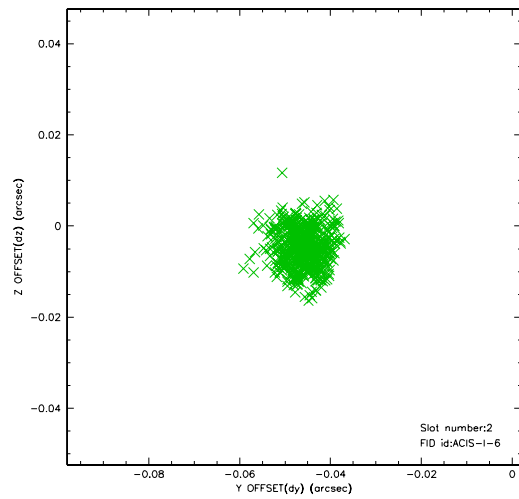
2.5.1 Slot 0



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)	2006.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.41

A.2 Comments

Window constraint met.

'Ontimes' listed are spurious except for ontime3 which correctly lists the accumulated exposure. the others are non-blank because the detnam is acis-012367 instead of acis-3.