

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4138 - L2 Version 3
Chandra X-Ray Center

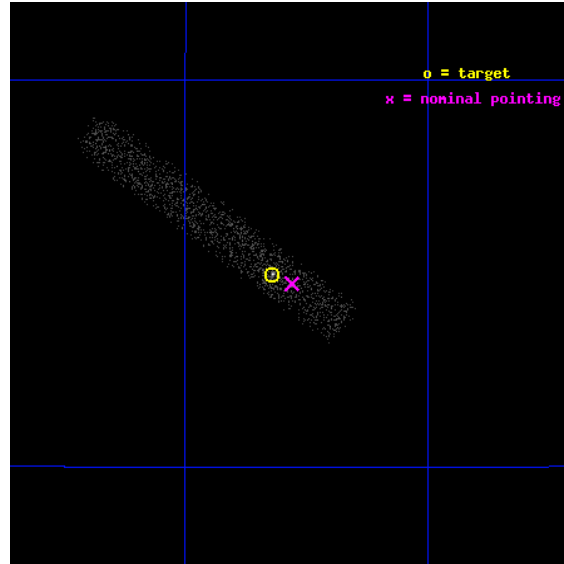
L2 Processing Date : Oct 27 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

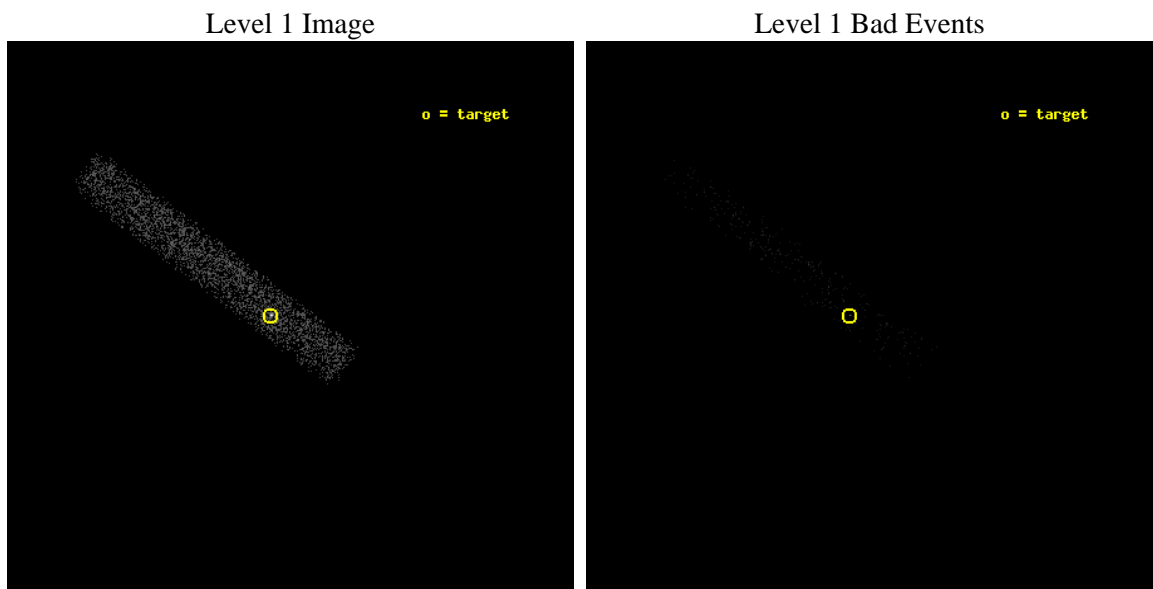
seq_num	700817	Sequence number
obs_id	4138	Observation id
title	CHANDRA OBSERVATIONS OF THE FIRST SAMPLE OF RADIO-LOUD NARROW LINE SEYFERT I GALAXIES	Proposal title
observer	Dr. Sally Laurent-Muehleisen	Principal investigator
object	FIRST J122749+321459	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.955	Observer's specified target RA [deg]
dec_targ	32.249722	Observer's specified target Dec [deg]
ra_nom	186.94504869084	Nominal RA [deg]
dec_nom	32.245425105093	Nominal Dec [deg]
roll_nom	216.9819142523	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3654.400054425	Sum of GTIs [s]
livetime	3314.3479543125	Livetime [s]
ontime7	3654.400054425	Sum of GTIs [s]
l2events	2933	Number of level 2 events



2 OBI

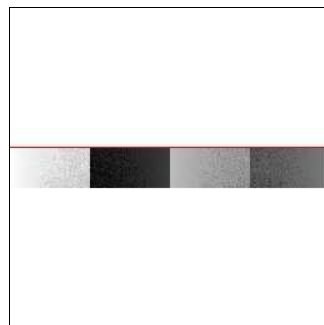
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2947.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3654.400054425	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	3654.400054425	Sum of GTIs [s]
date	2012-10-27T15:14:01	Date and time of file creation	l1events	5442	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

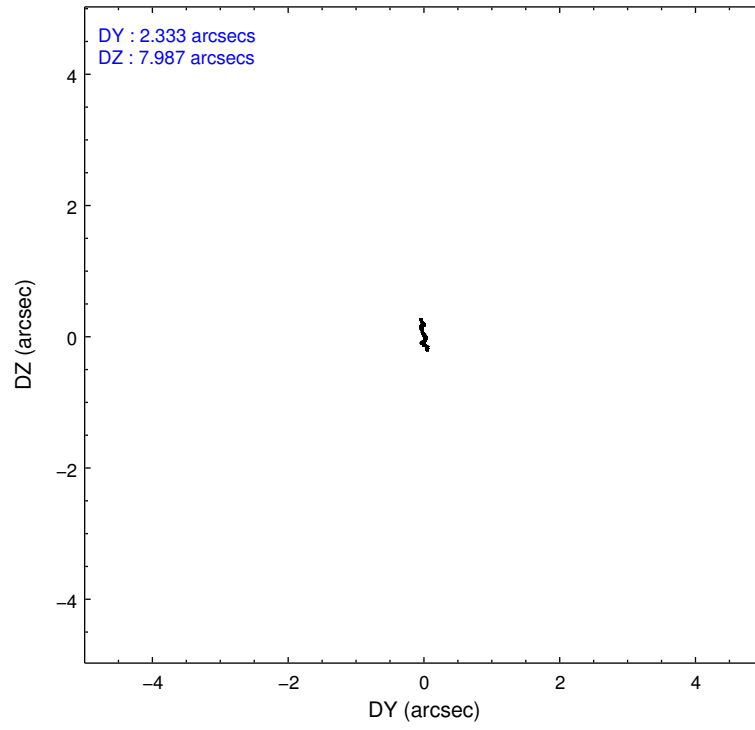
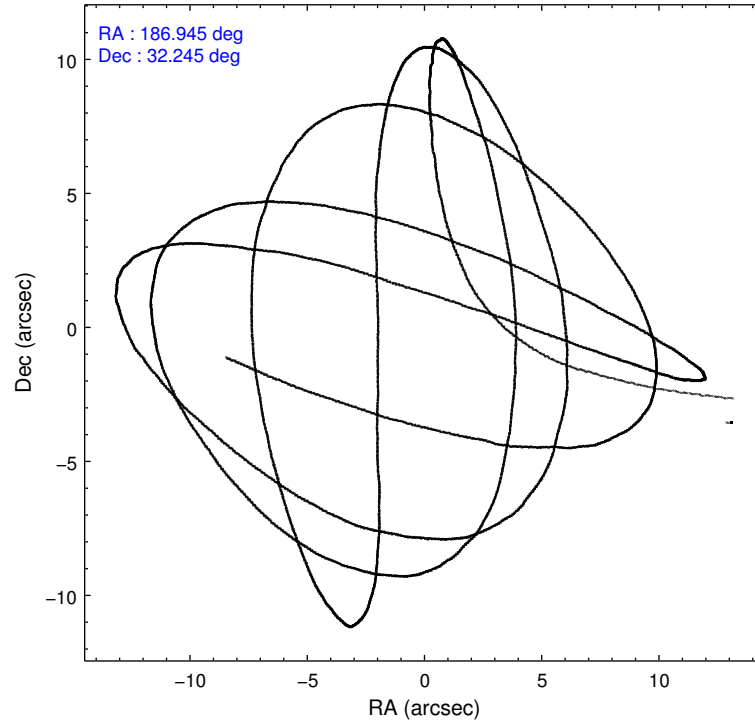
	ccd 7
level 1 events	5442
rejected events	2433
rejected %	44%

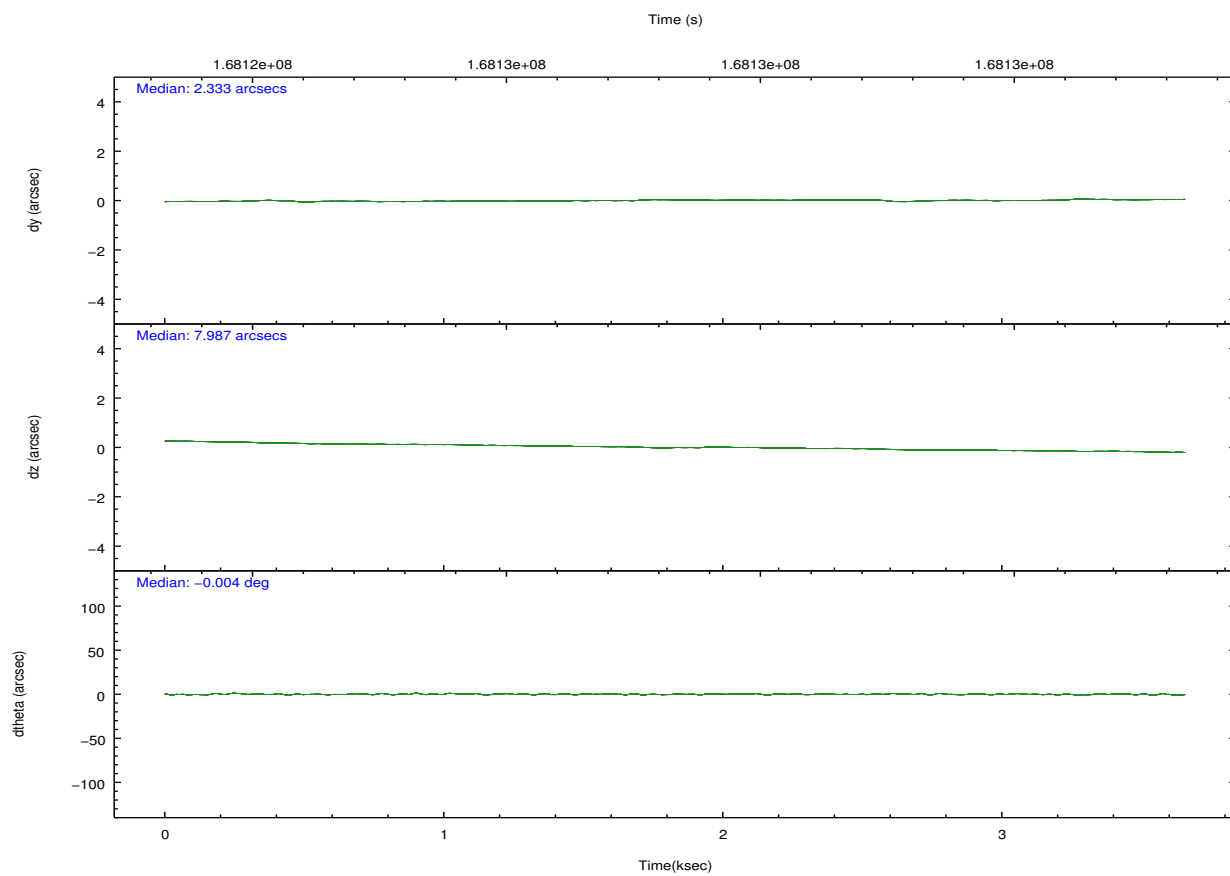
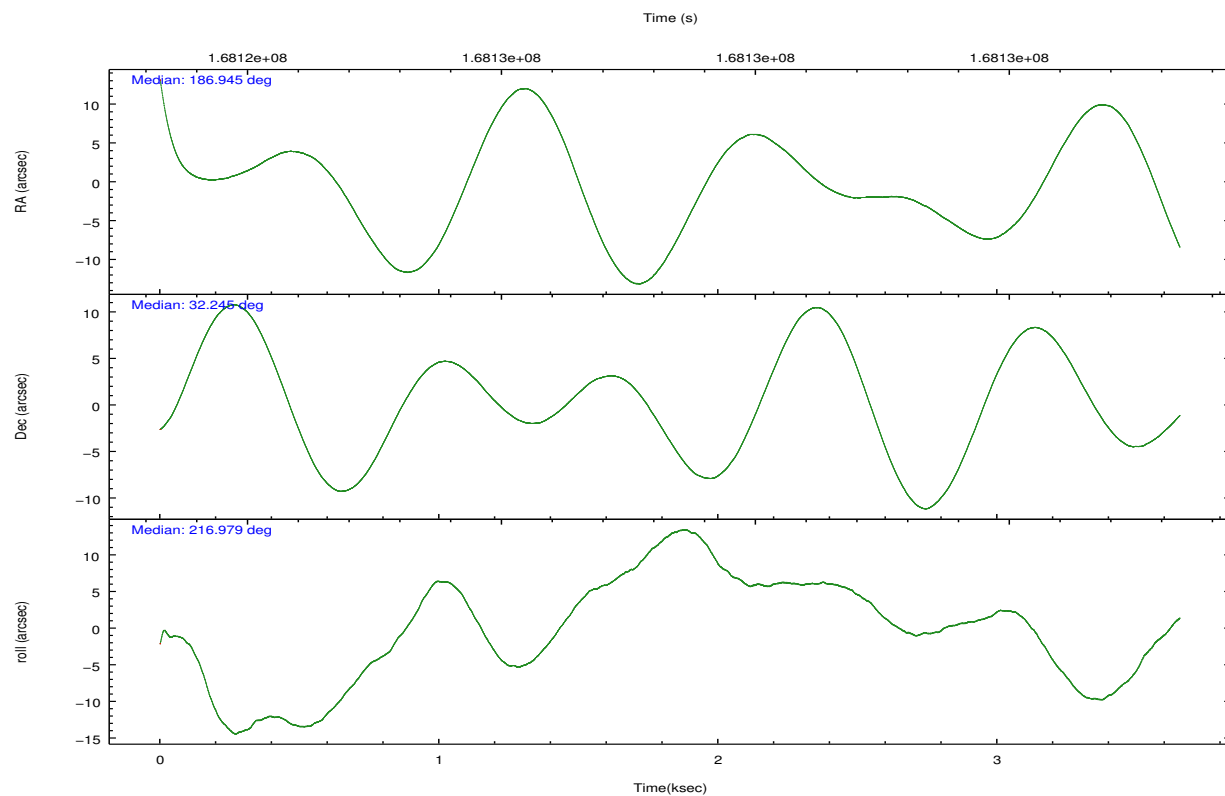
	ccd 7
grade 0 events	514
	9%
grade 1 events	2
	0%
grade 2 events	634
	11%
grade 3 events	372
	6%
grade 4 events	380
	6%
grade 5 events	415
	7%
grade 6 events	1194
	21%
grade 7 events	1931
	35%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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
[deg] Pointing RA	186.956999	186.9450486908424	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	32.270558	32.24542510509271	Subarray start row	449	449
[deg] Pointing Roll	216.818855	216.9819142523016	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	168125542.184000	168124319.75295			
Observation start date	2003-04-30T21:31:18	2003-04-30T21:11:59			
[s] Observation end time (MET)	168128489.184000	168128906.62814			
Observation end date	2003-04-30T22:20:25	2003-04-30T22:28:26			
Read mode	TIMED	TIMED			

2.3 Aspect



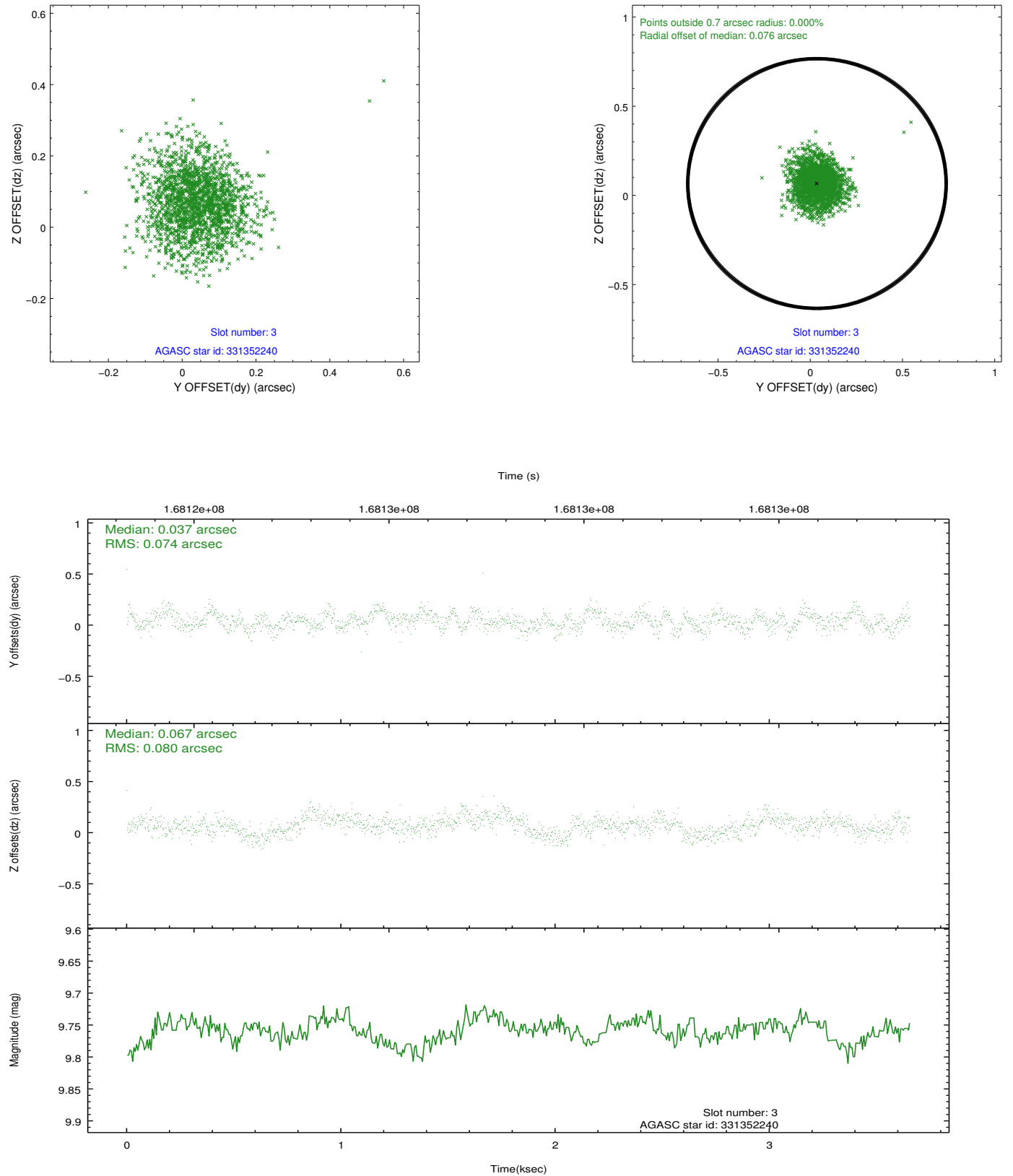


Slot Statistics

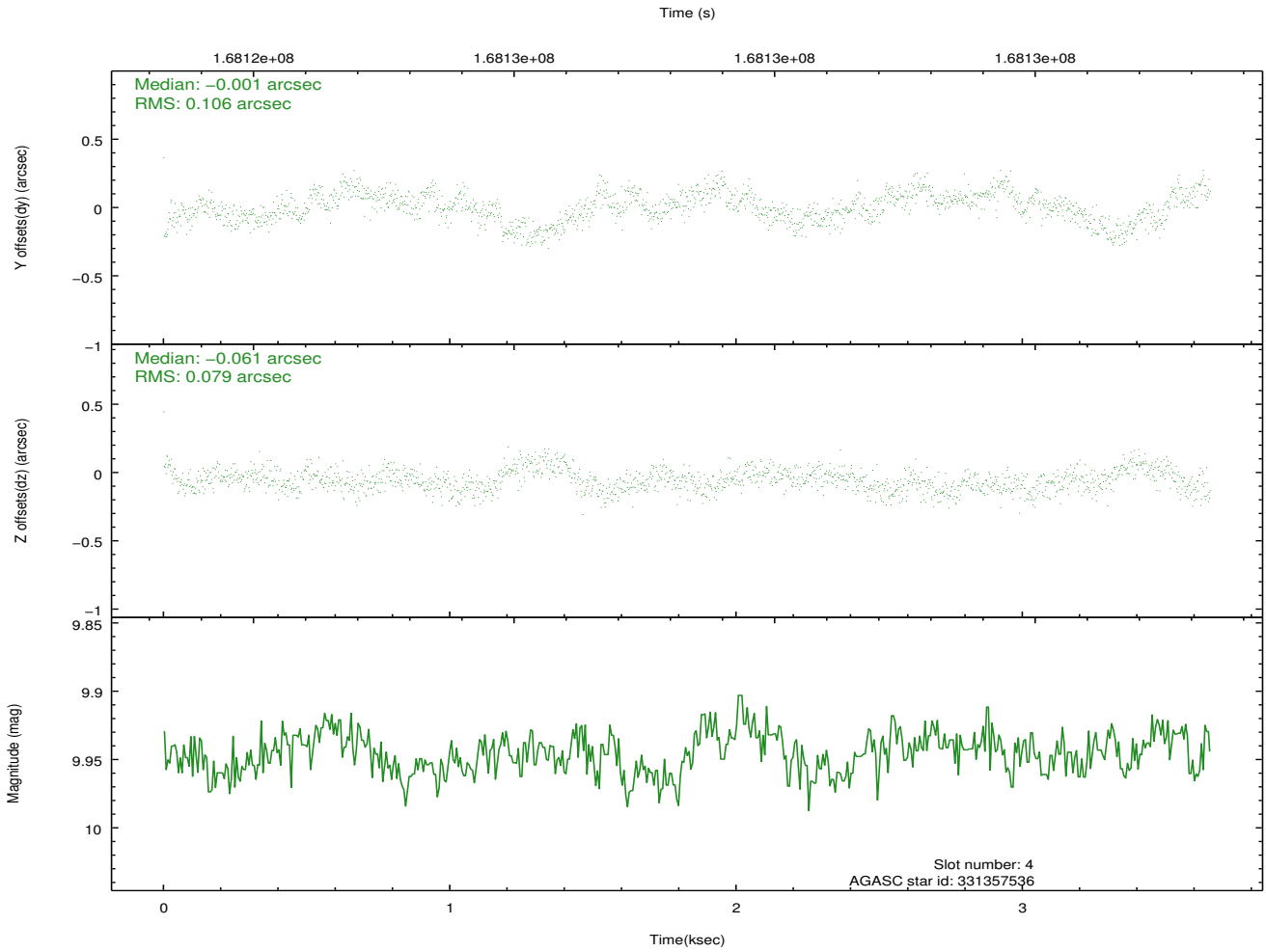
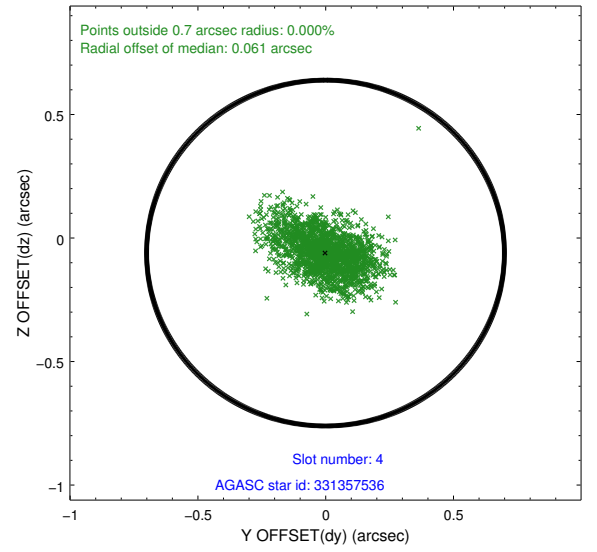
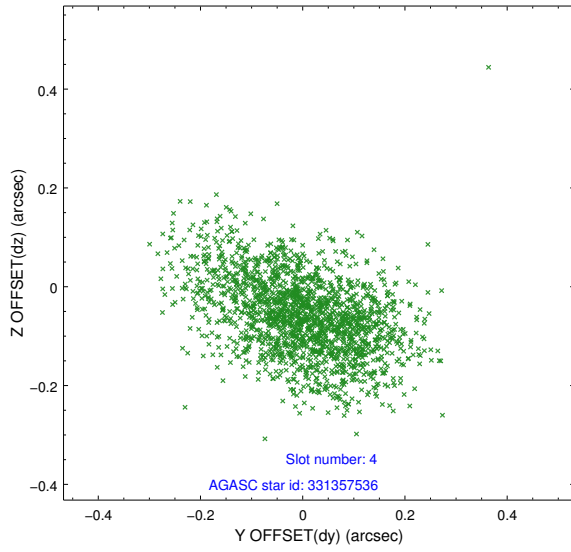
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	892	-0.019	-0.009	0.006	0.011	0.000000	0.000000	-754.98	-1729.14
1	FID	ACIS-S-4	7.20	892	-0.023	0.011	0.006	0.010	0.000000	0.000000	2157.52	177.57
2	FID	ACIS-S-5	7.24	892	0.011	0.006	0.007	0.012	0.000000	0.000000	-1805.57	173.21
3	GUIDE	331352240	9.76	1781	0.037	0.067	0.116	0.187	187.107373	31.931271	364.92	1252.99
4	GUIDE	331357536	9.95	1784	-0.001	-0.061	0.140	0.235	187.342382	32.394702	-1205.65	343.28
5	GUIDE	331361176	9.10	1784	0.031	0.014	0.076	0.127	186.962232	32.473066	-449.08	-573.58
6	GUIDE	331362384	8.79	1784	-0.147	0.031	0.071	0.114	187.227369	32.923477	-2062.59	-1393.18
7	GUIDE	331358504	10.03	1783	0.075	-0.050	0.105	0.169	187.176246	32.923361	-1939.26	-1485.79

2.4 Star Slots

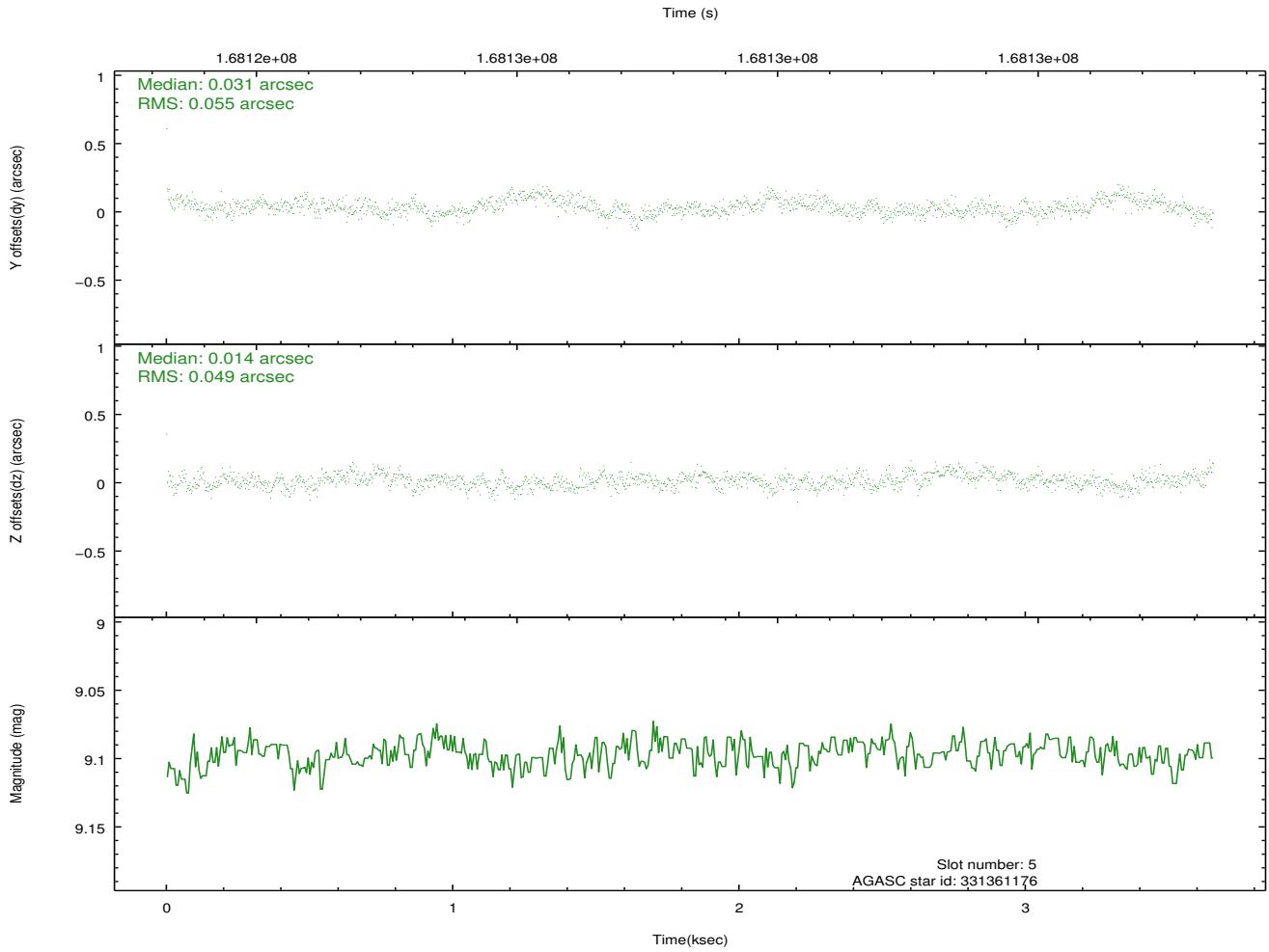
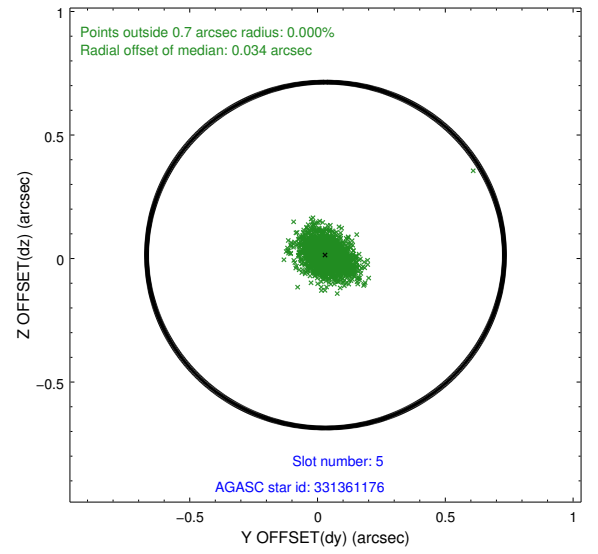
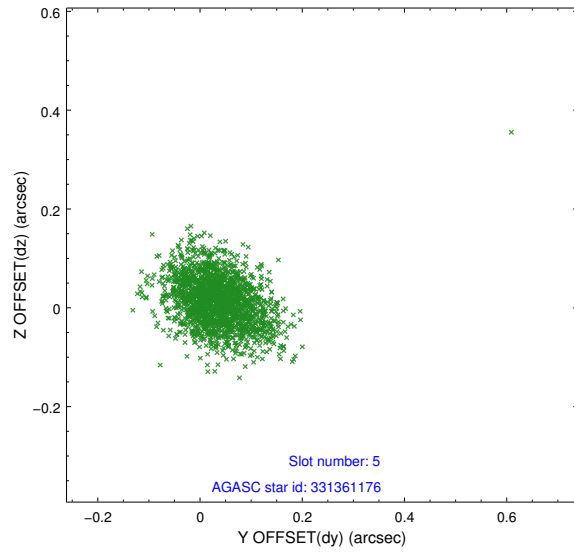
2.4.1 Slot 3



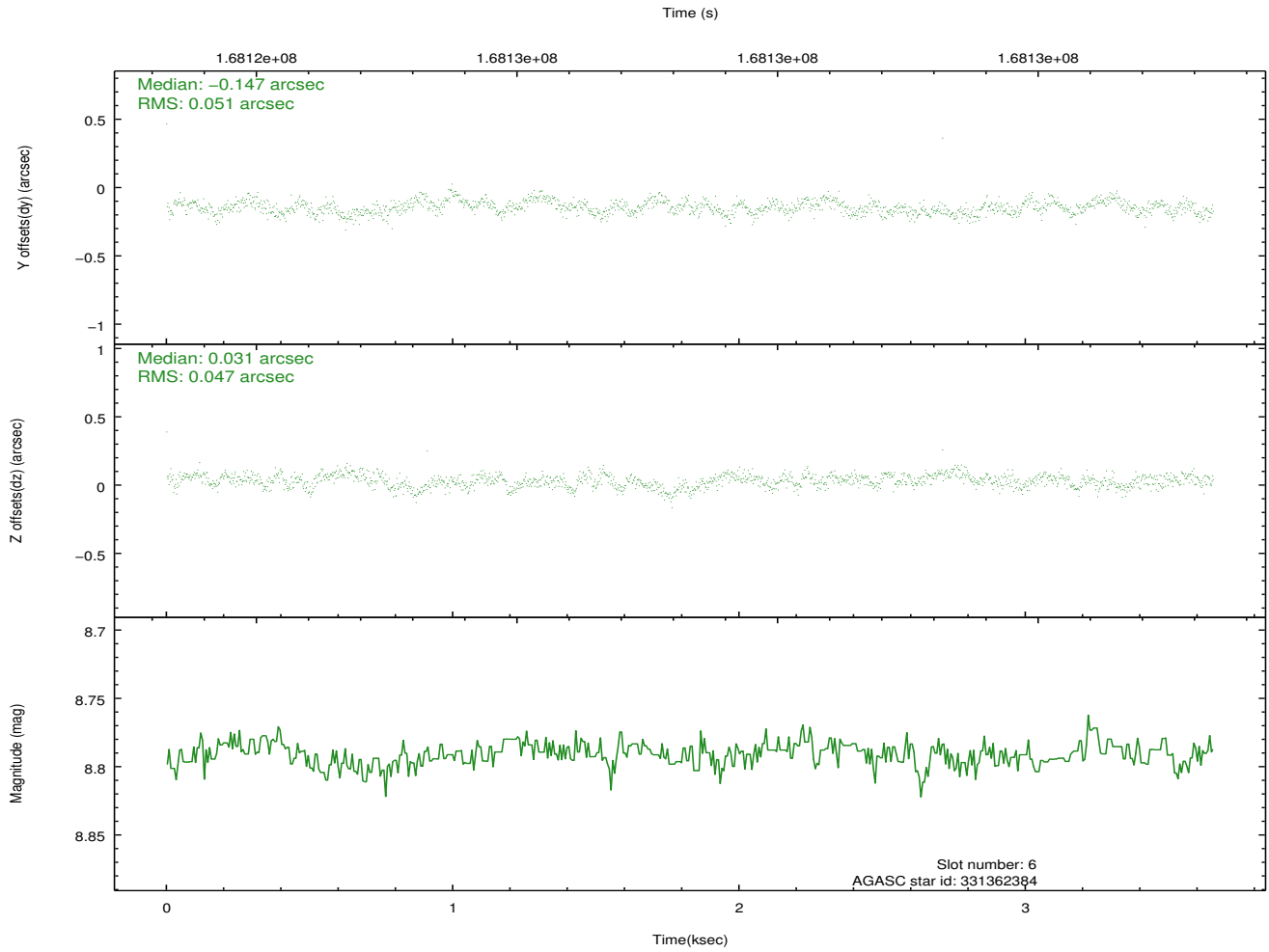
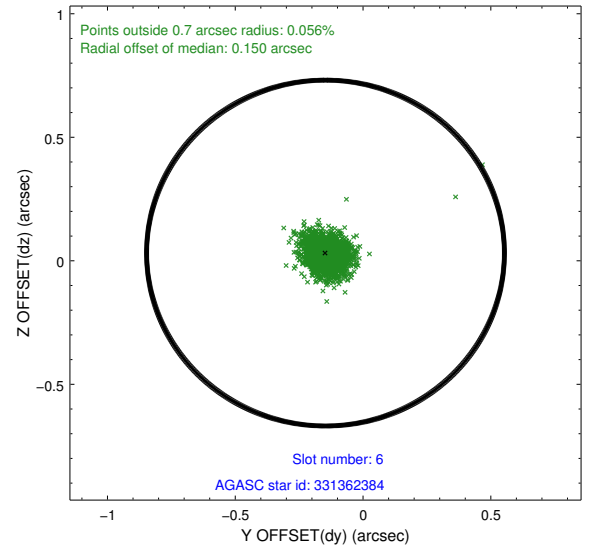
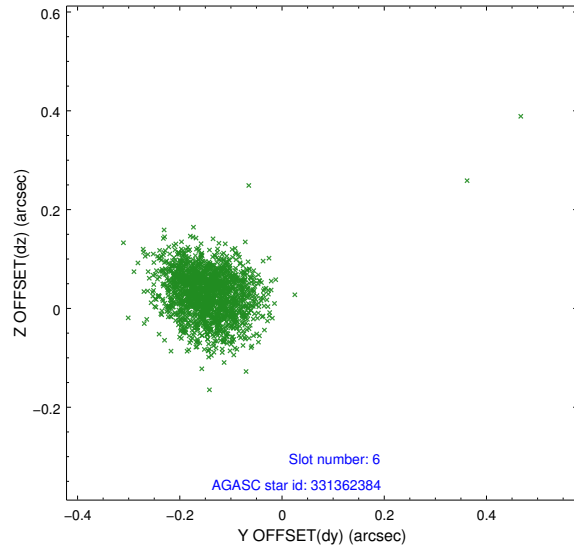
2.4.2 Slot 4



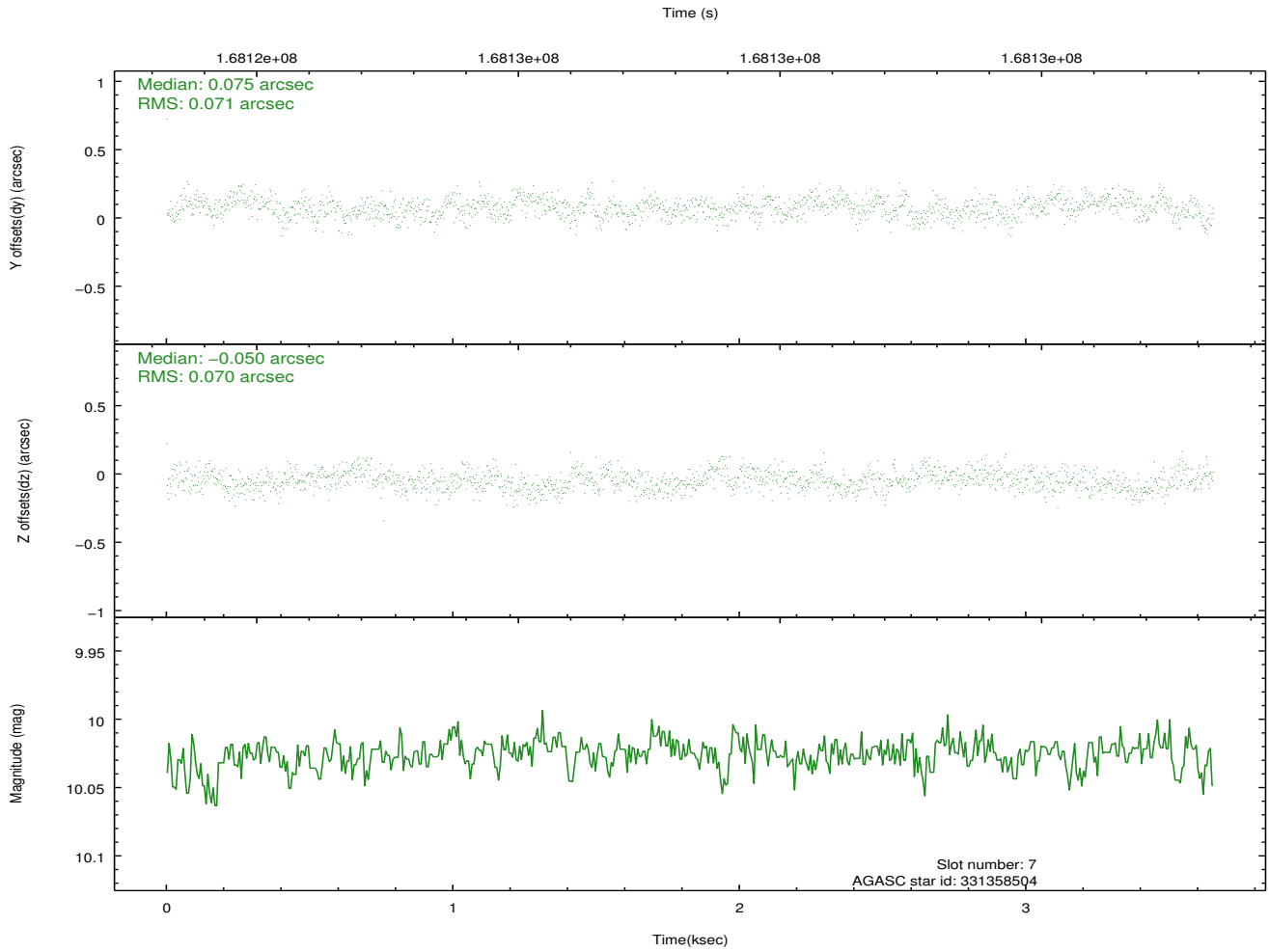
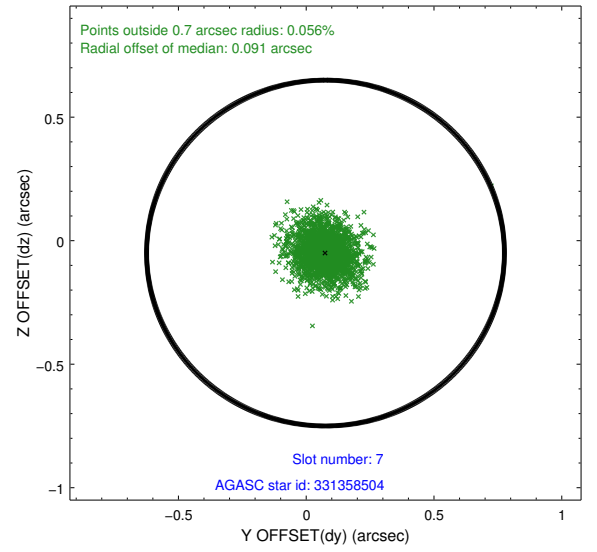
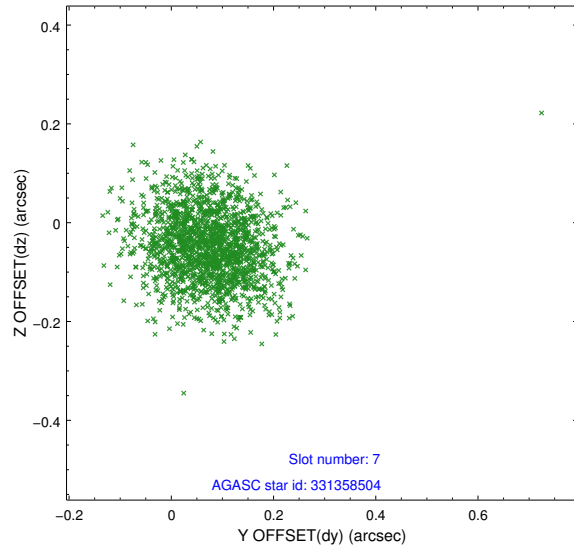
2.4.3 Slot 5



2.4.4 Slot 6

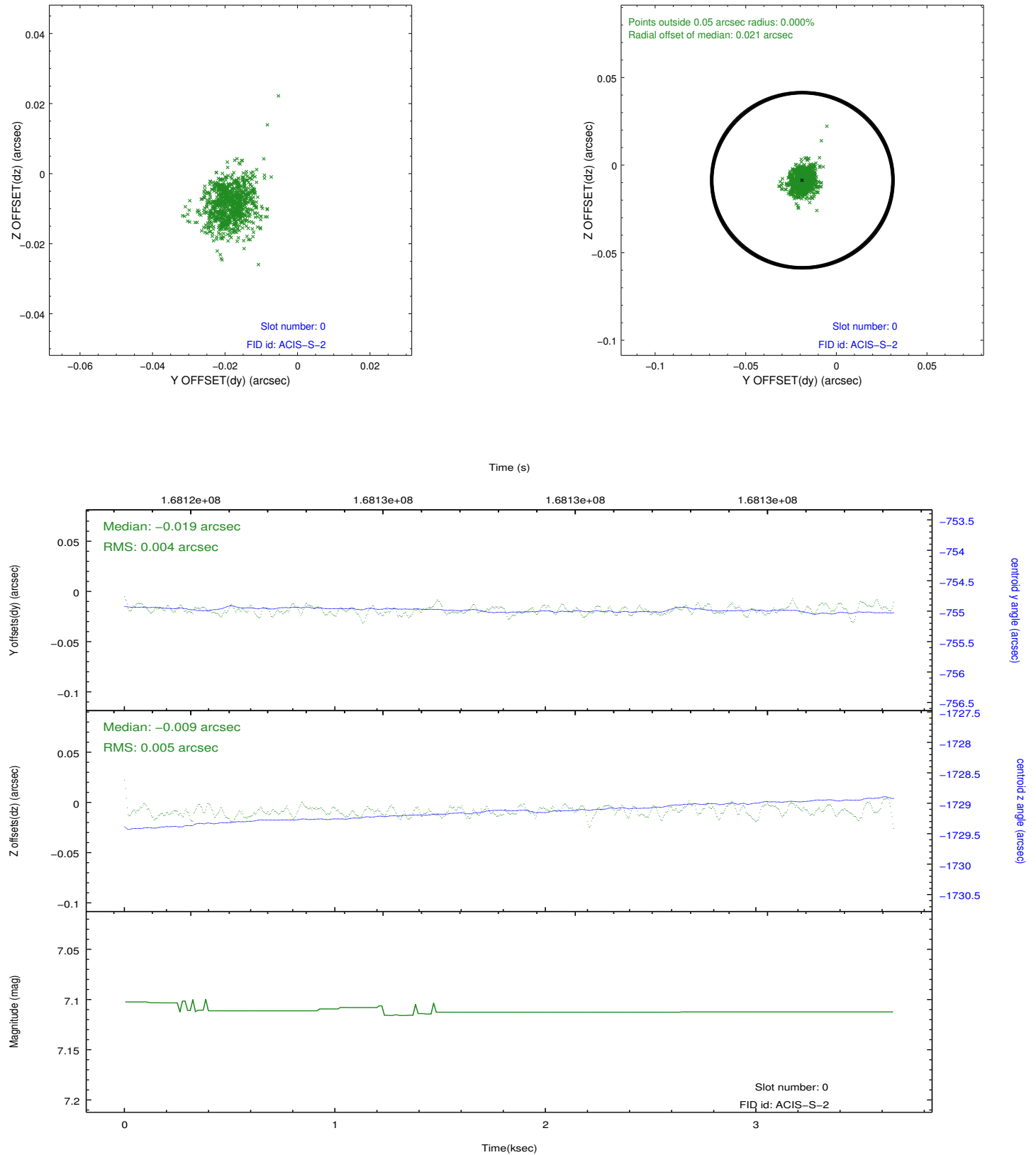


2.4.5 Slot 7

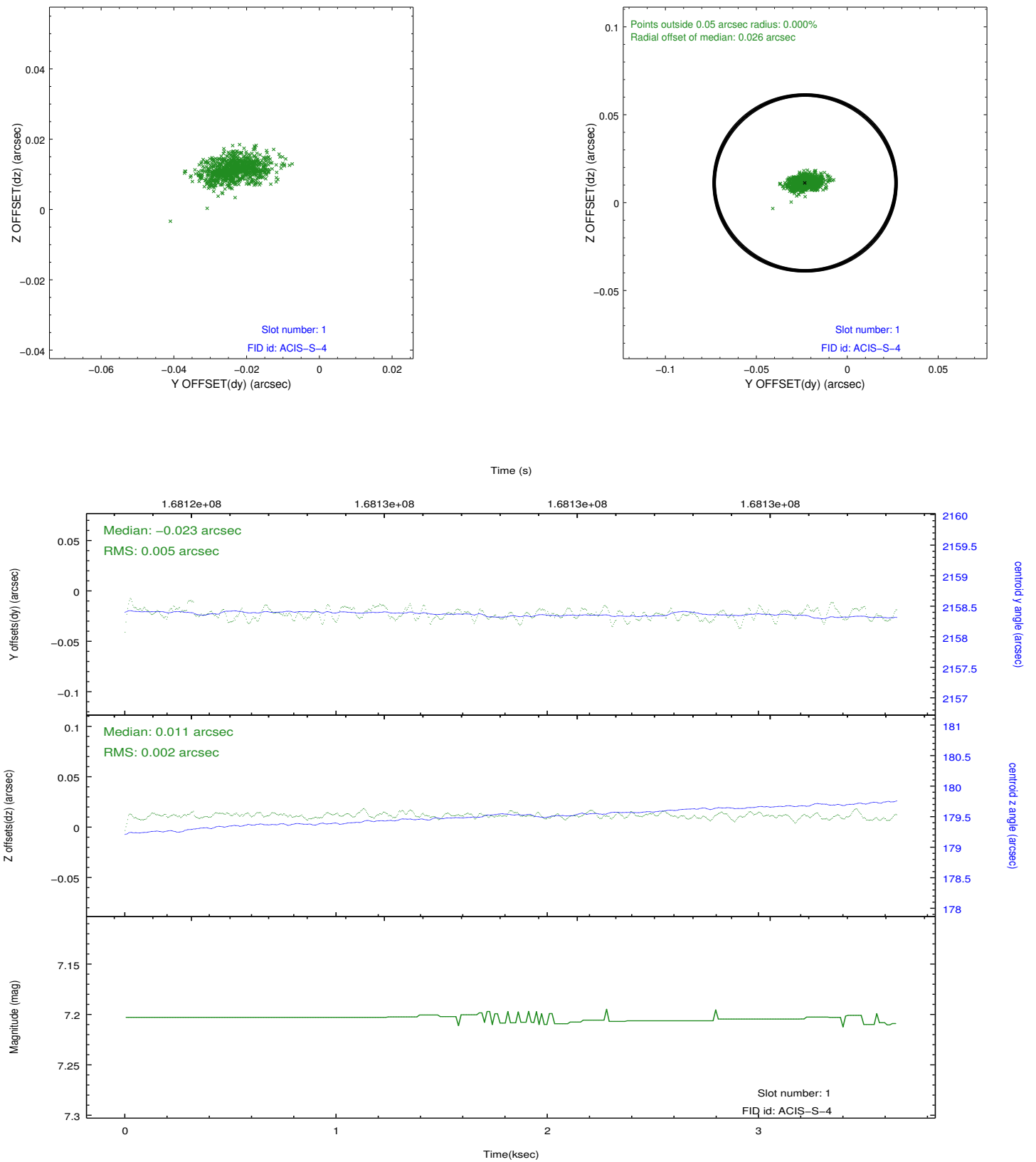


2.5 FID Slots

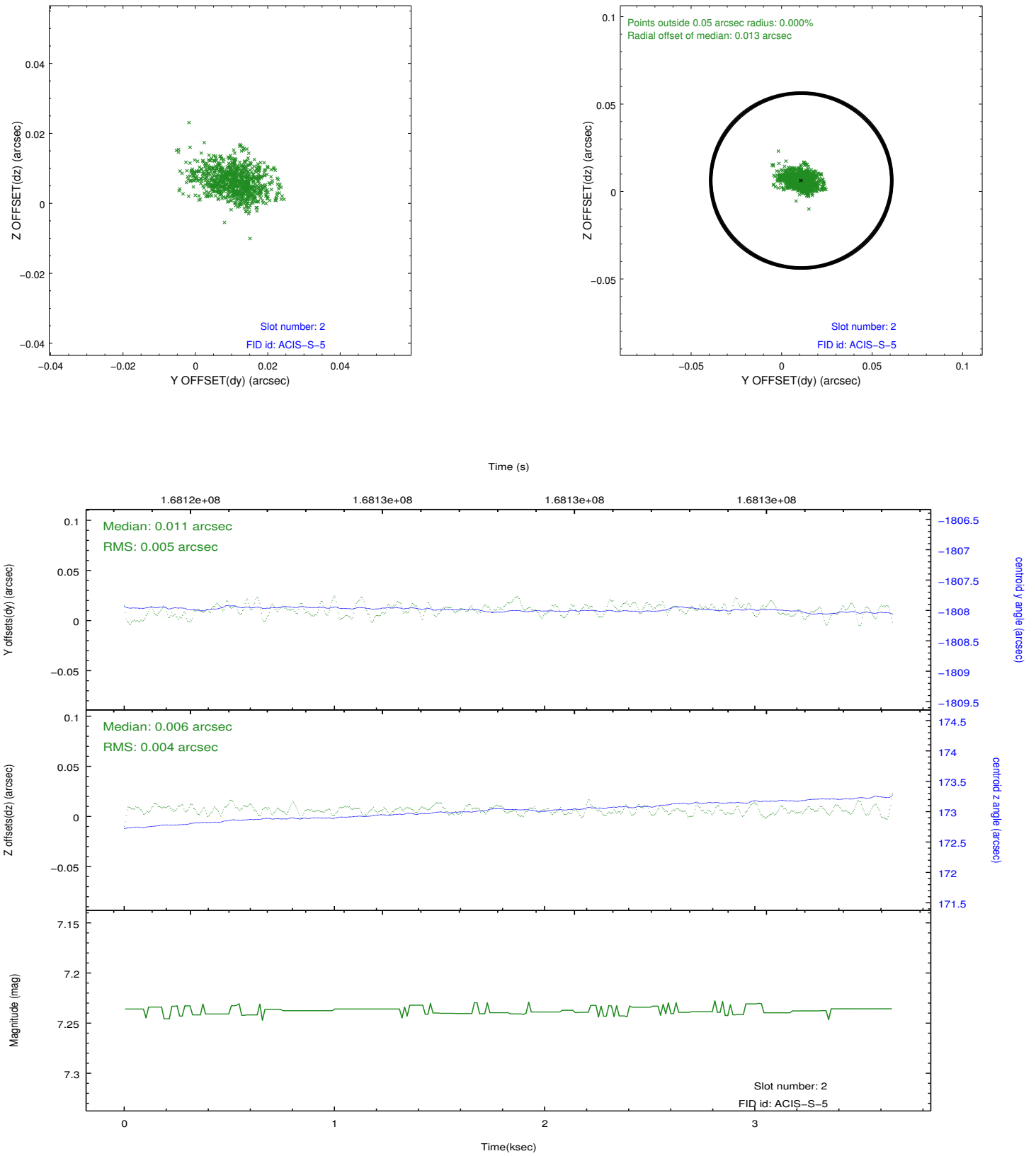
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.654

A.2 Comments