

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13308 - L2 Version 1
Chandra X-Ray Center

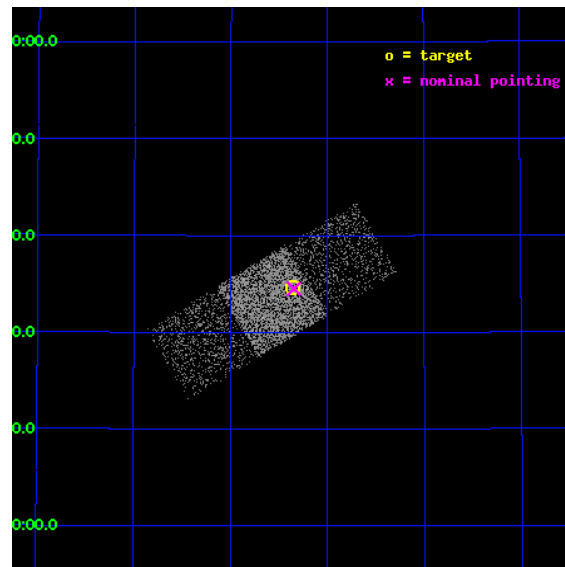
L2 Processing Date : Jan 2 2012

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1 Front

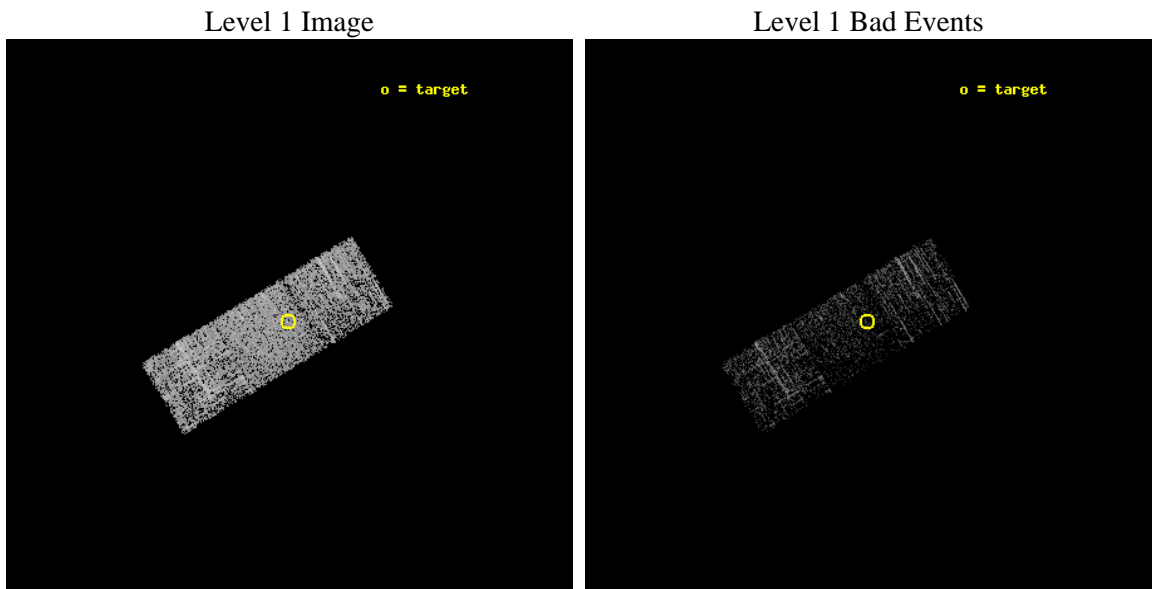
seq_num	702515	Sequence number
obs_id	13308	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J0745+4734	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	116.340833	Observer's specified target RA [deg]
dec_targ	47.576694	Observer's specified target Dec [deg]
ra_nom	116.33664818708	Nominal RA [deg]
dec_nom	47.575114749673	Nominal Dec [deg]
roll_nom	148.94138928978	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1558.2793913484	Sum of GTIs [s]
livetime	1537.9193239118	Livetime [s]
ontime6	1558.2383513451	Sum of GTIs [s]
ontime7	1558.2793913484	Sum of GTIs [s]
ontime8	1558.1973113418	Sum of GTIs [s]
l2events	6606	Number of level 2 events



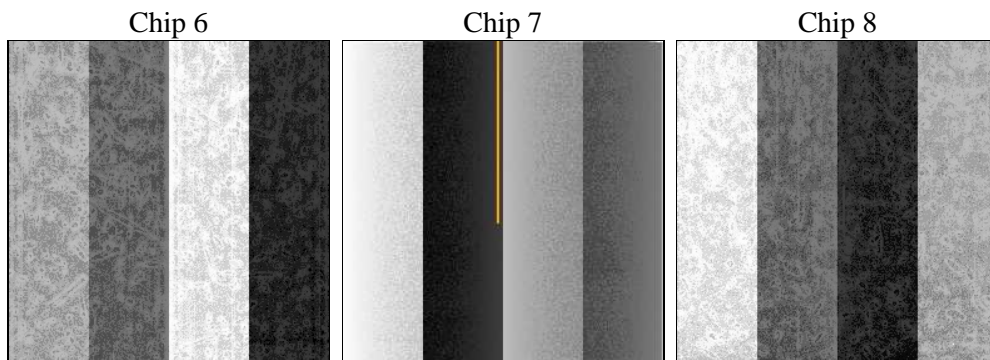
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1558.2793913484	Sum of GTIs [s]
caldsver	4.4.7	 	ontime6	1558.2383513451	Sum of GTIs [s]
date	2012-01-02T06:26:42	Date and time of file creation	ontime7	1558.2793913484	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1558.1973113418	Sum of GTIs [s]
			l1events	31217	Number of level 1 events

2.1.4 Events

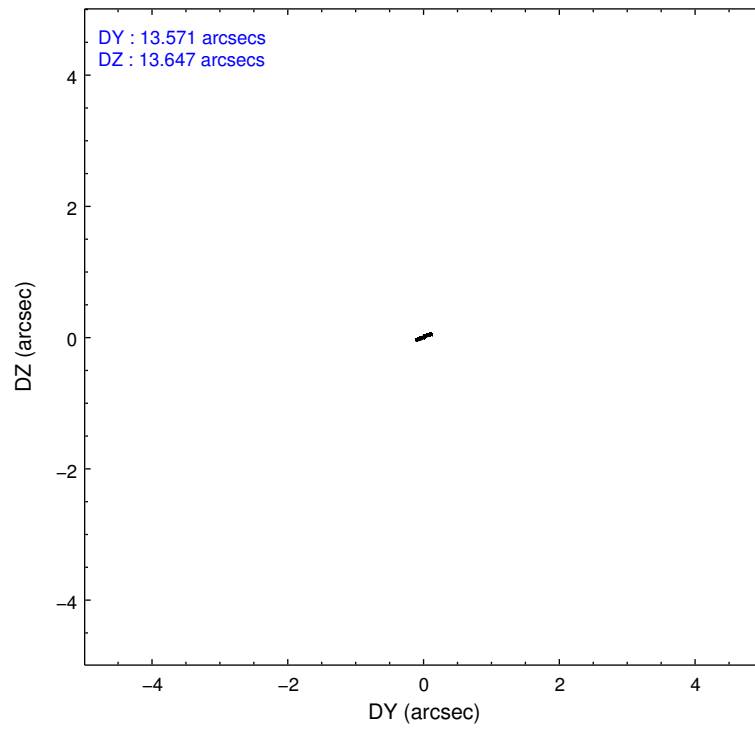
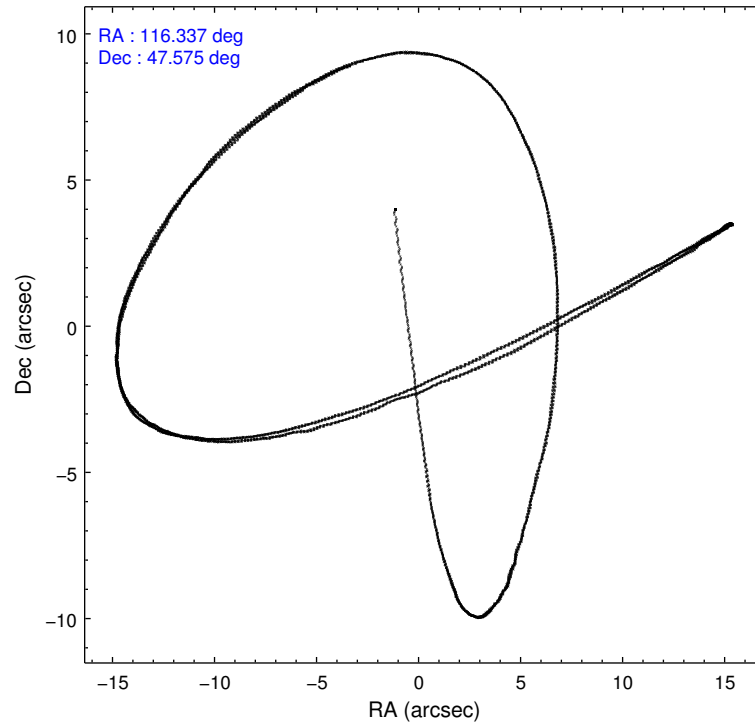
	ccd 6	ccd 7	ccd 8
level 1 events	9374	10304	11539
rejected events	8353	5426	8627
rejected %	89%	52%	74%

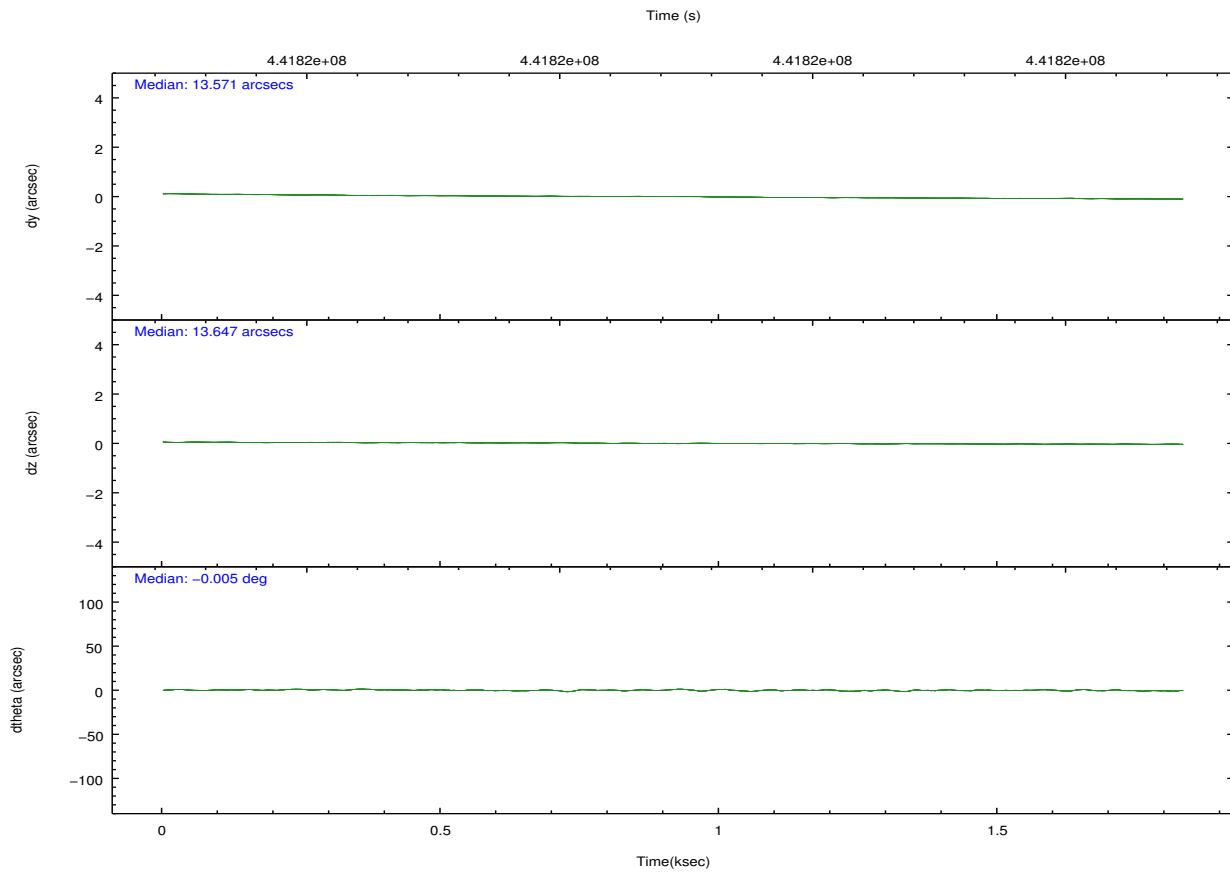
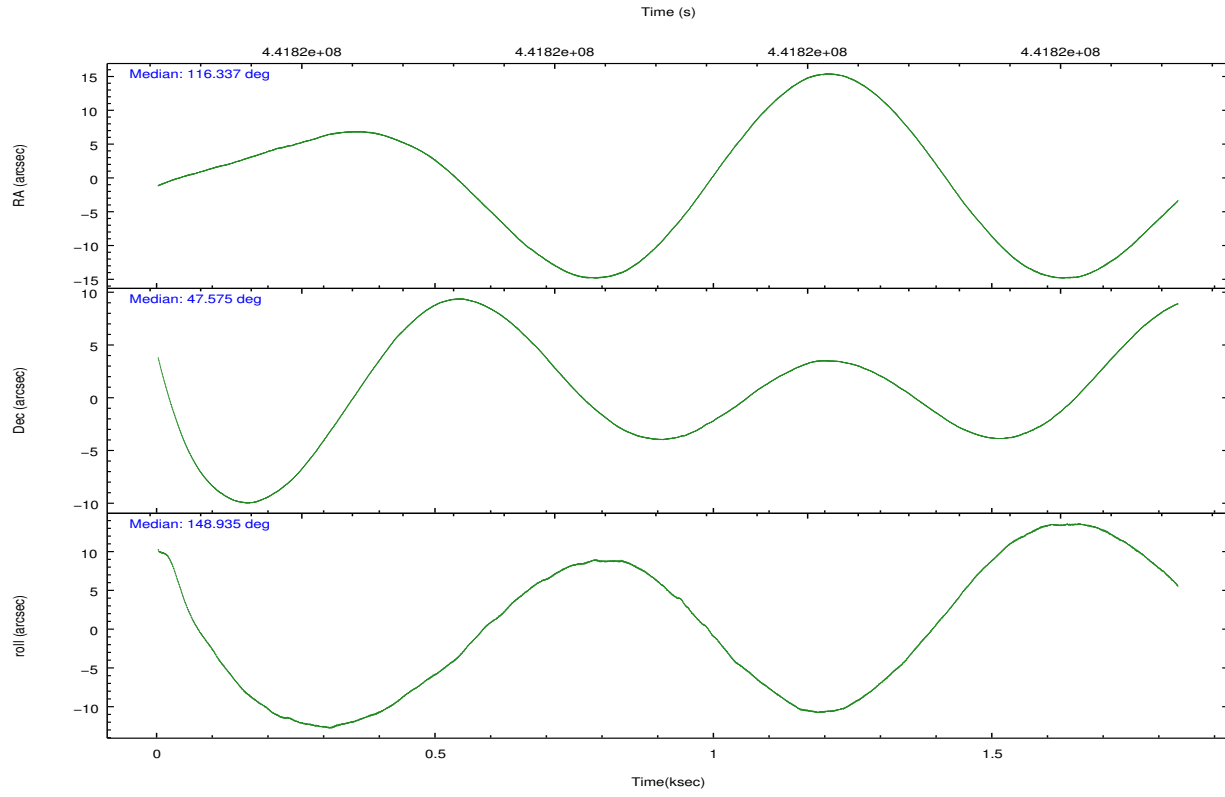
	ccd 6	ccd 7	ccd 8
grade 0 events	355	508	785
	3%	4%	6%
grade 1 events	8	19	10
	0%	0%	0%
grade 2 events	237	1062	716
	2%	10%	6%
grade 3 events	106	444	282
	1%	4%	2%
grade 4 events	102	425	255
	1%	4%	2%
grade 5 events	399	1101	529
	4%	10%	4%
grade 6 events	226	2456	887
	2%	23%	7%
grade 7 events	7941	4289	8075
	84%	41%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	116.377342	116.3366481870758	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.575205	47.57511474967301	Alternating exposures requested	N	N
[deg] Pointing Roll	148.754641	148.9413892897795	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	441821647.184000	441820763.27386			
Observation start date	2012-01-01T16:13:01	2012-01-01T15:59:23			
[s] Observation end time (MET)	441823147.184000	441824600.87407			
Observation end date	2012-01-01T16:38:01	2012-01-01T17:03:20			
Read mode	TIMED	TIMED			

2.3 Aspect



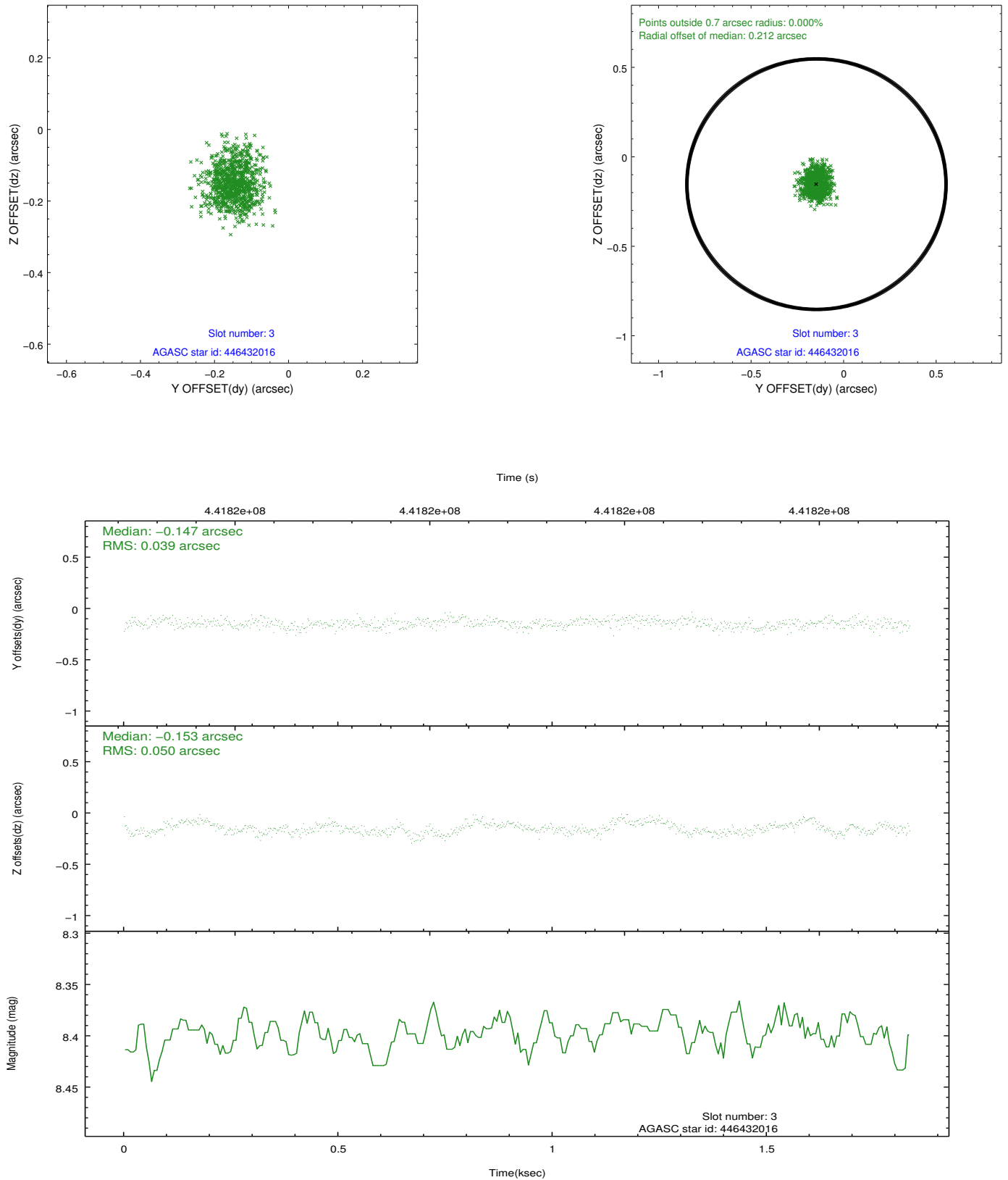


Slot Statistics

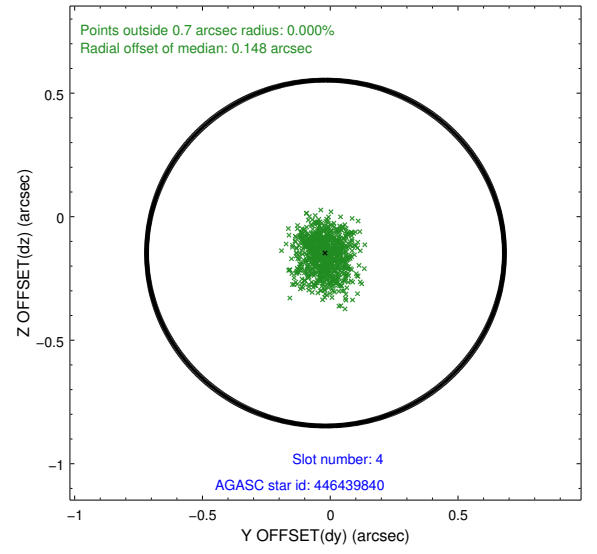
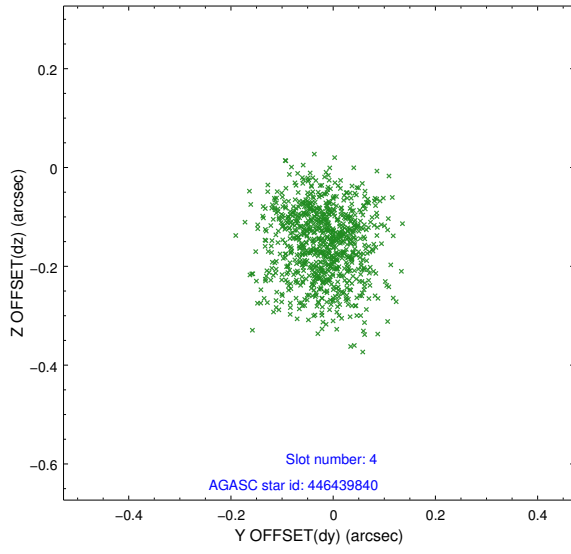
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.08	447	-0.017	-0.007	0.006	0.010	0.000000	0.000000	929.52	-1730.58
1	FID	ACIS-S-4	7.07	447	0.104	-0.017	0.006	0.009	0.000000	0.000000	2149.03	169.86
2	FID	ACIS-S-6	7.21	447	-0.111	0.035	0.006	0.011	0.000000	0.000000	399.97	811.34
3	GUIDE	446432016	8.40	895	-0.147	-0.153	0.068	0.108	115.720372	47.392952	1031.94	1384.98
4	GUIDE	446439840	8.98	892	-0.019	-0.147	0.099	0.160	115.577121	47.224018	1023.43	2087.97
5	GUIDE	446566160	7.34	895	-0.023	-0.122	0.066	0.108	116.836744	47.338232	-1397.49	146.59
6	GUIDE	446960848	9.41	894	0.119	0.206	0.104	0.169	117.022074	47.879513	-760.17	-1749.98
7	GUIDE	446961856	8.05	894	0.068	0.229	0.076	0.126	117.132531	47.764933	-1205.93	-1540.05

2.4 Star Slots

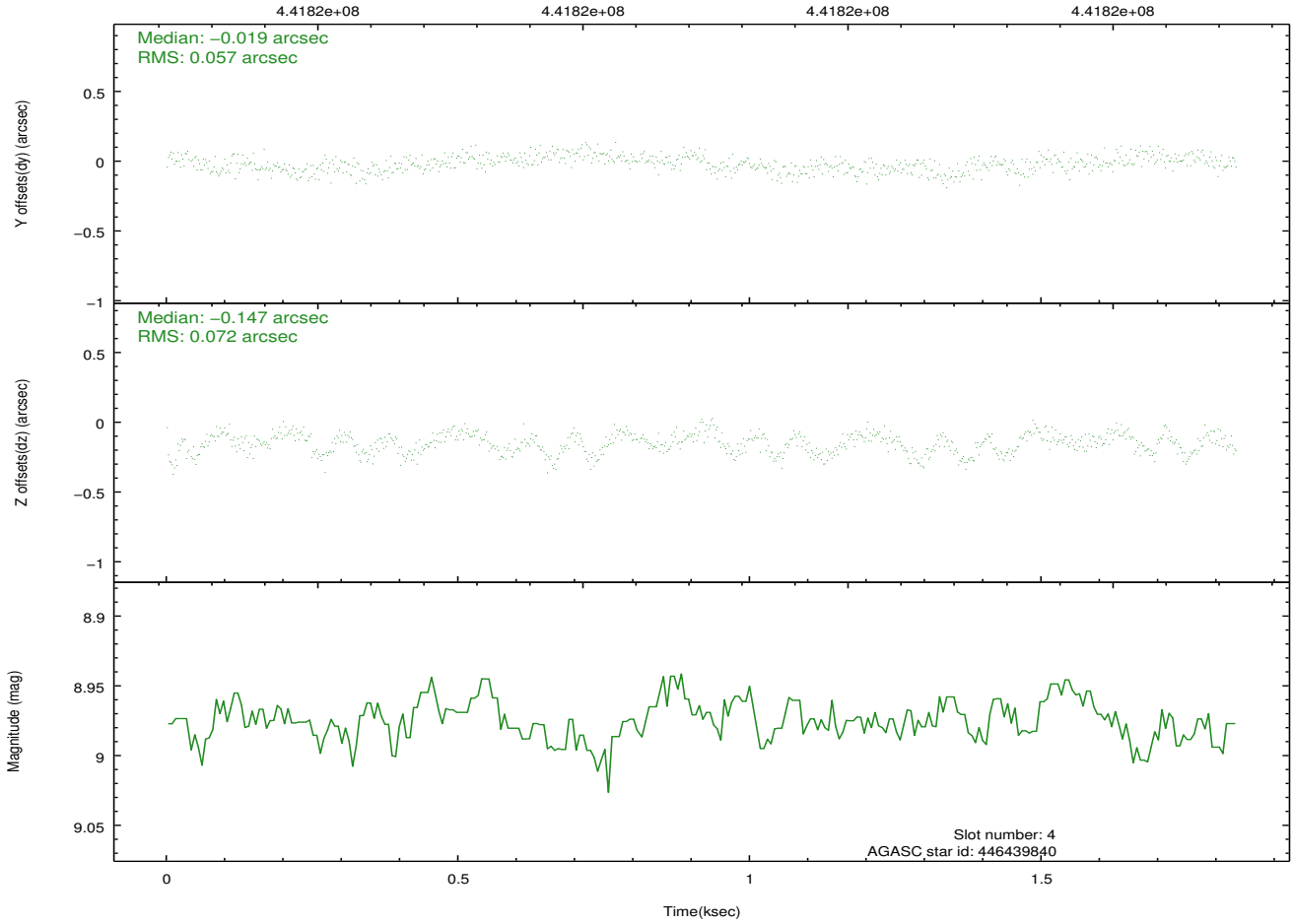
2.4.1 Slot 3



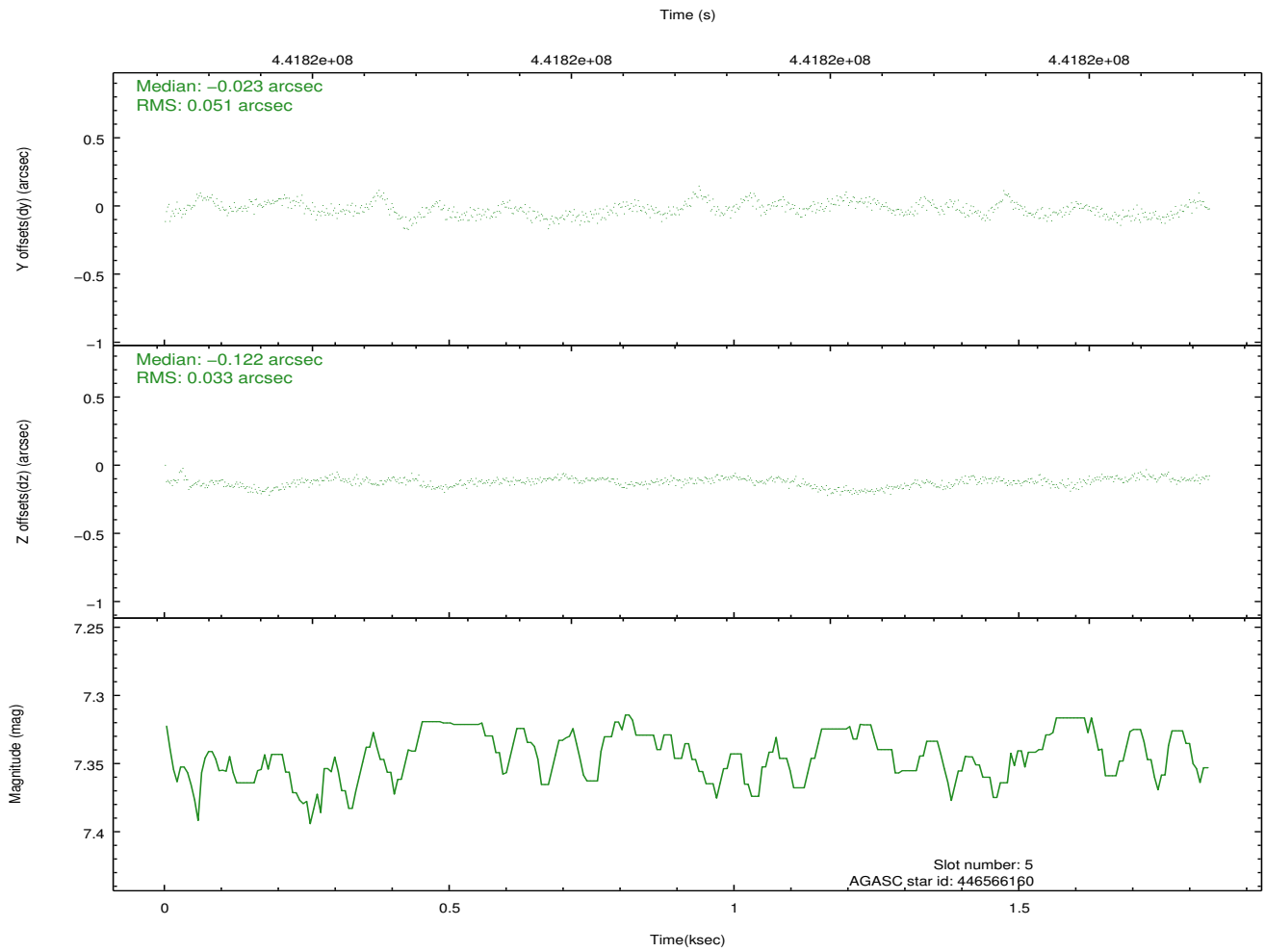
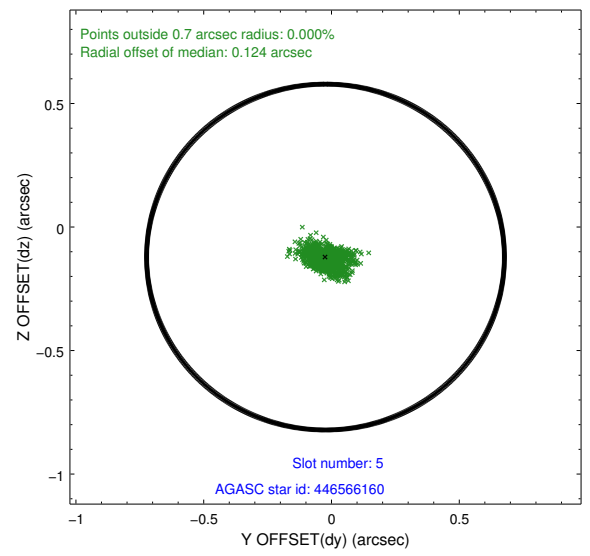
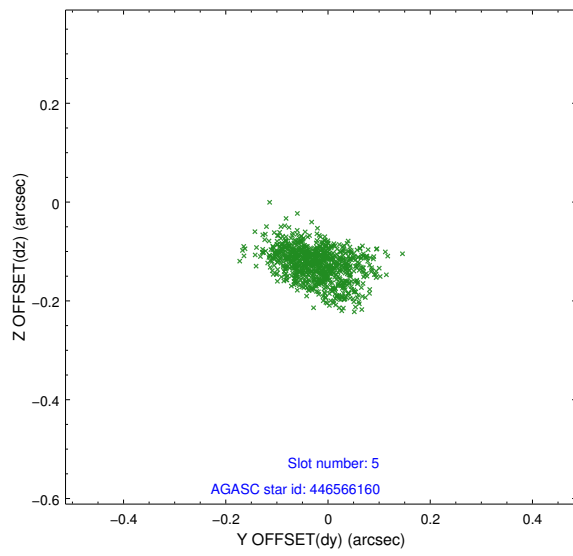
2.4.2 Slot 4



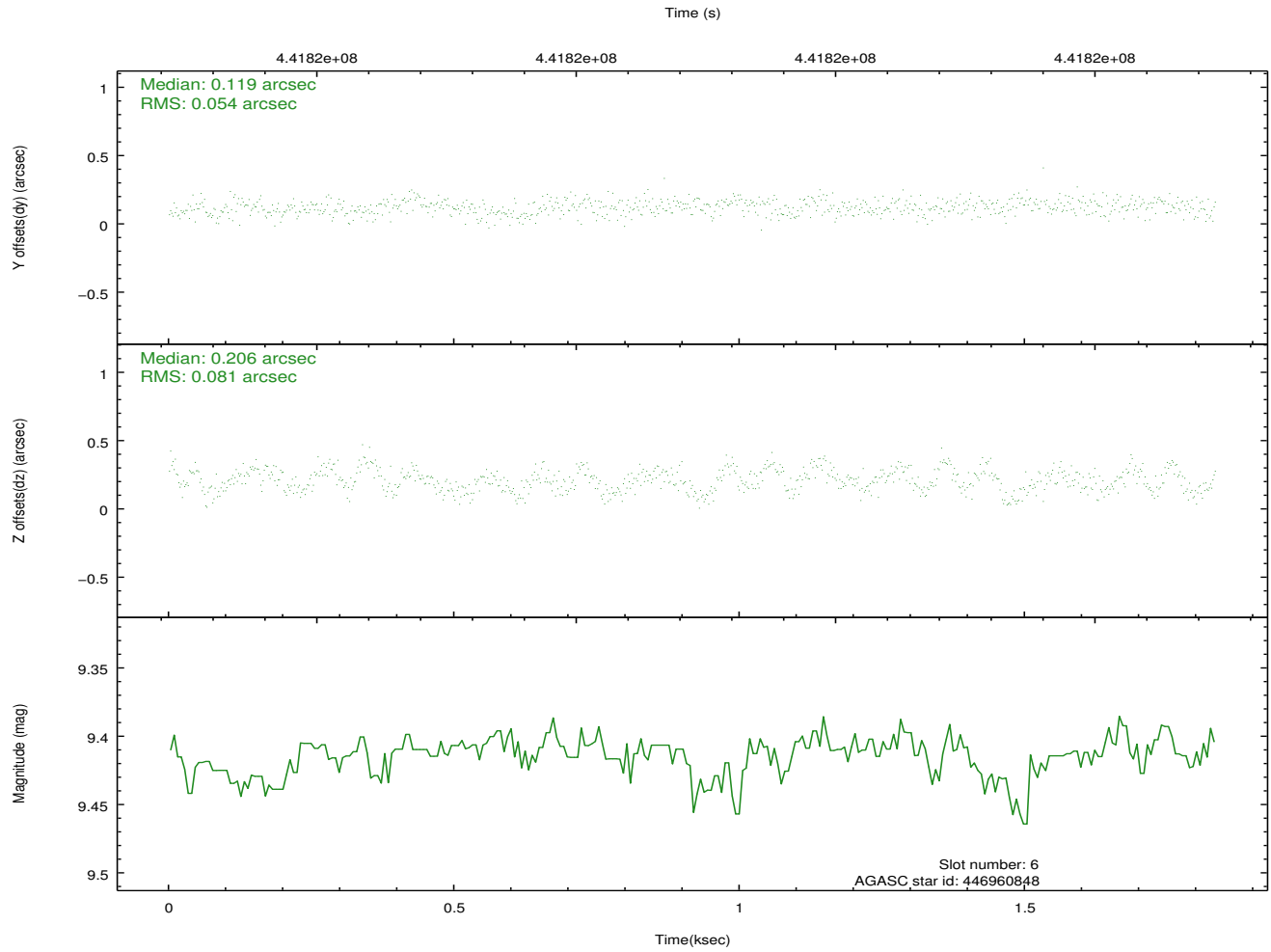
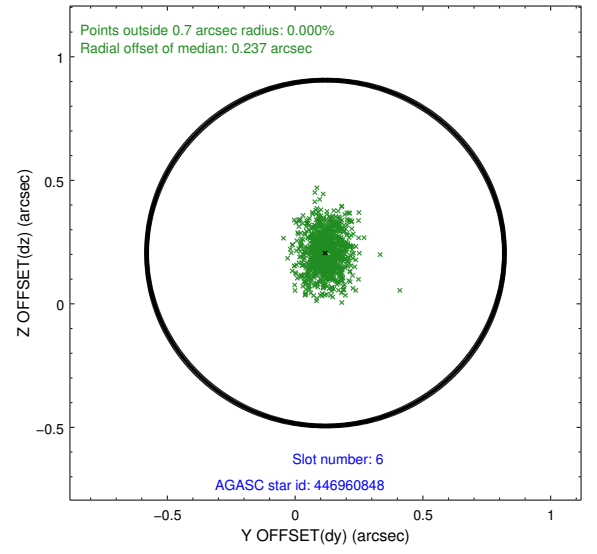
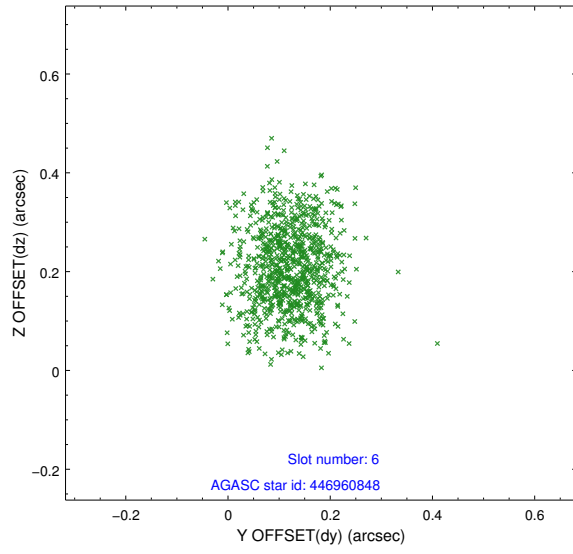
Time (s)



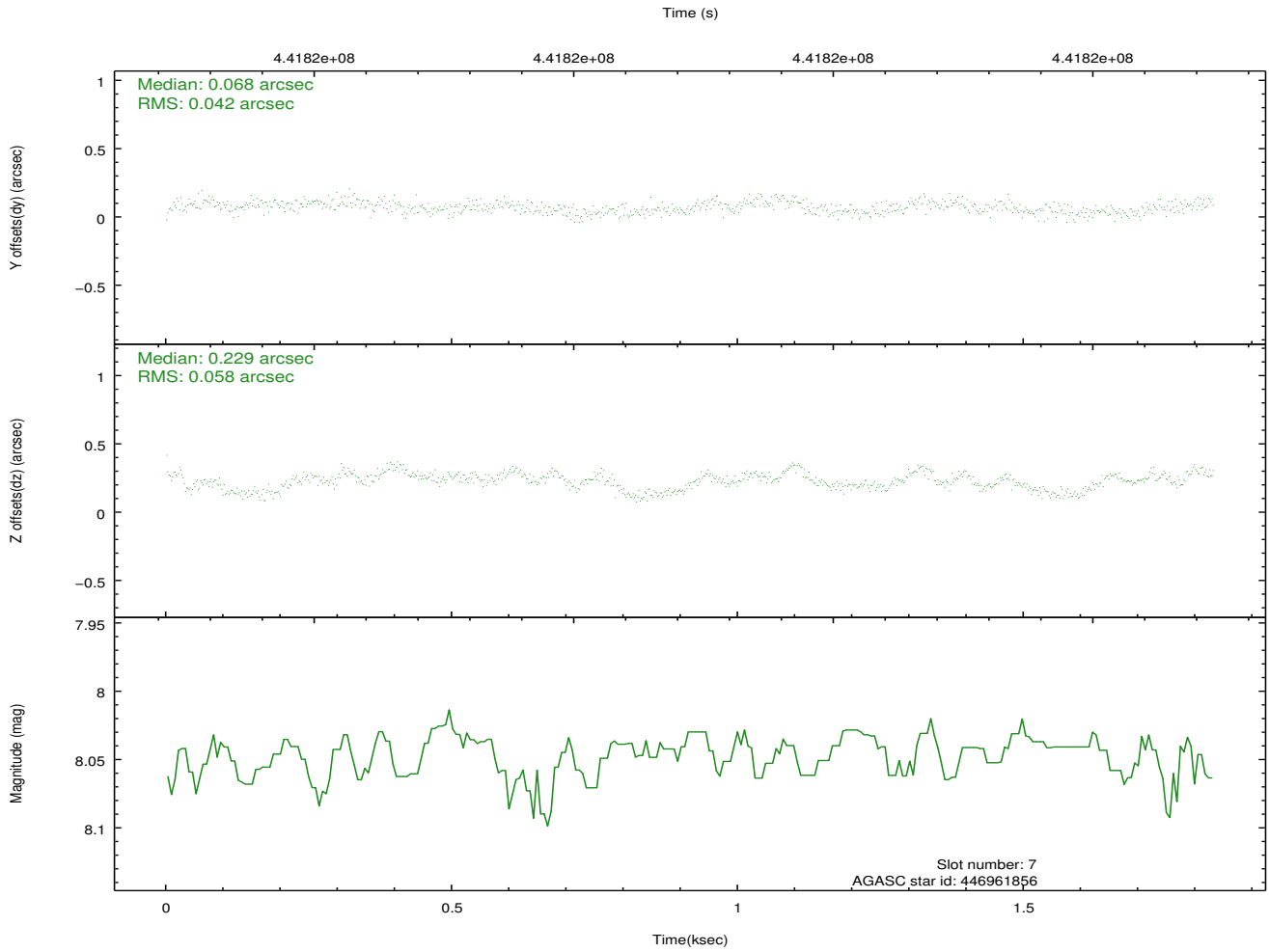
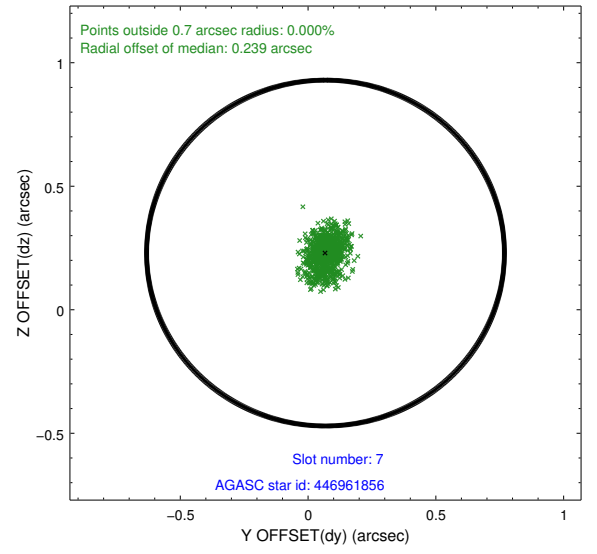
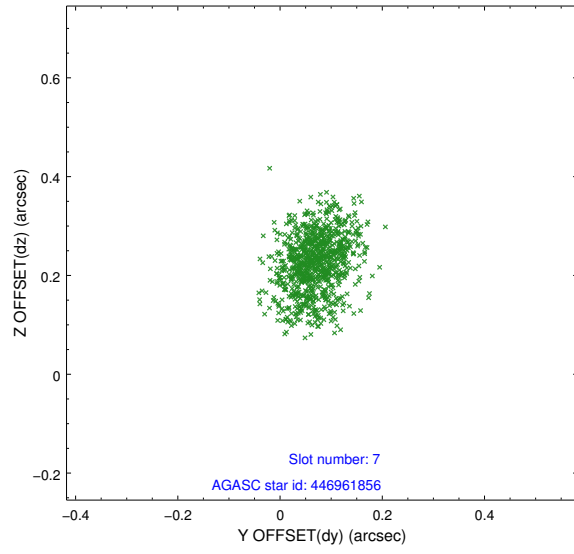
2.4.3 Slot 5



2.4.4 Slot 6

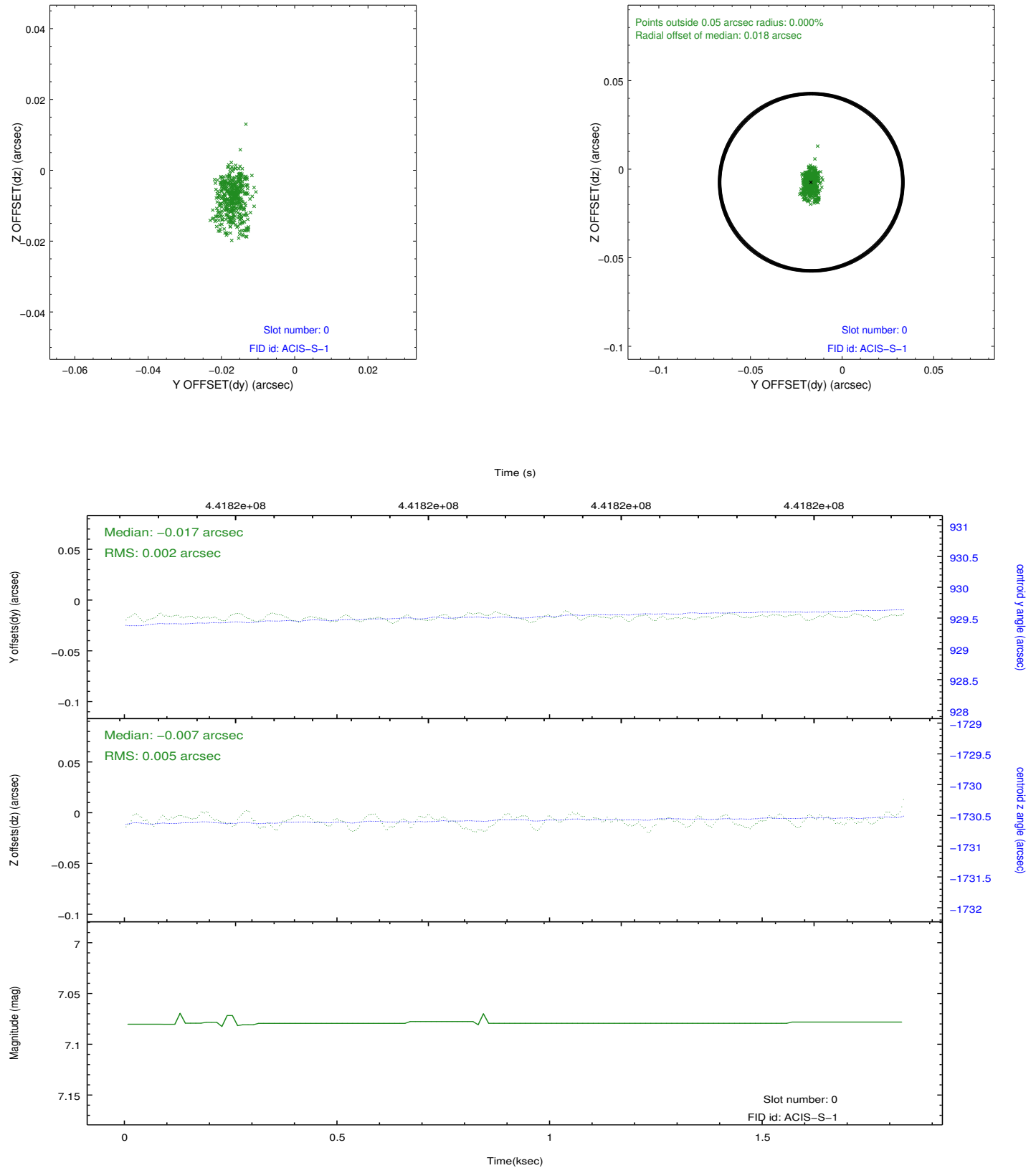


2.4.5 Slot 7

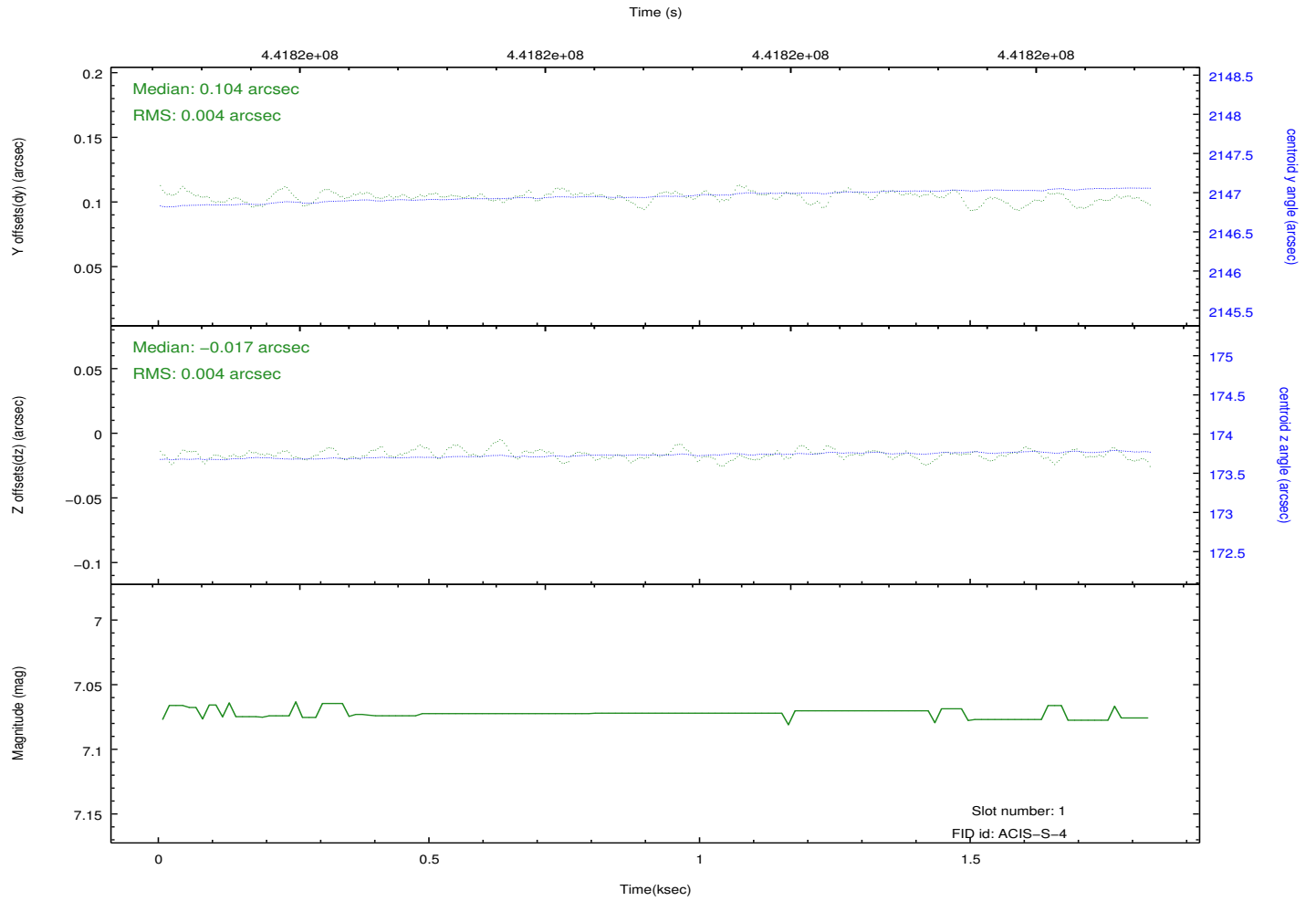
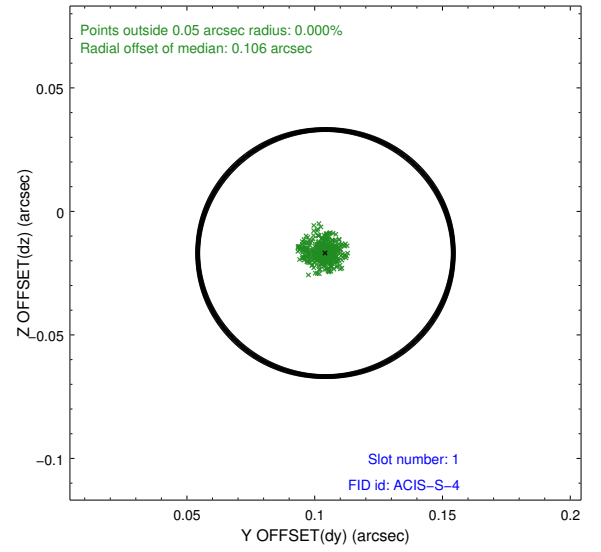
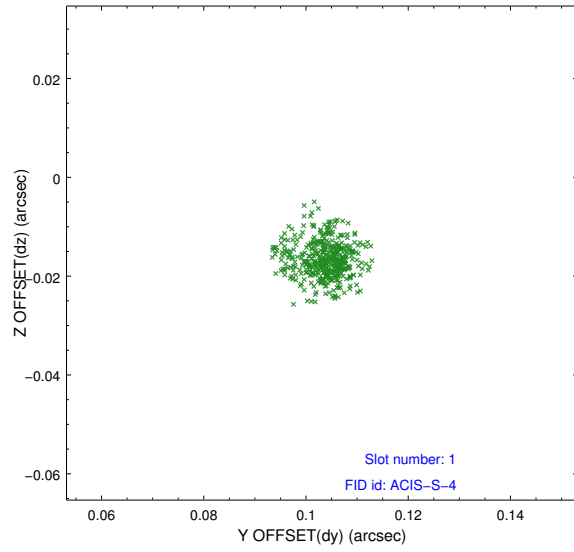


2.5 FID Slots

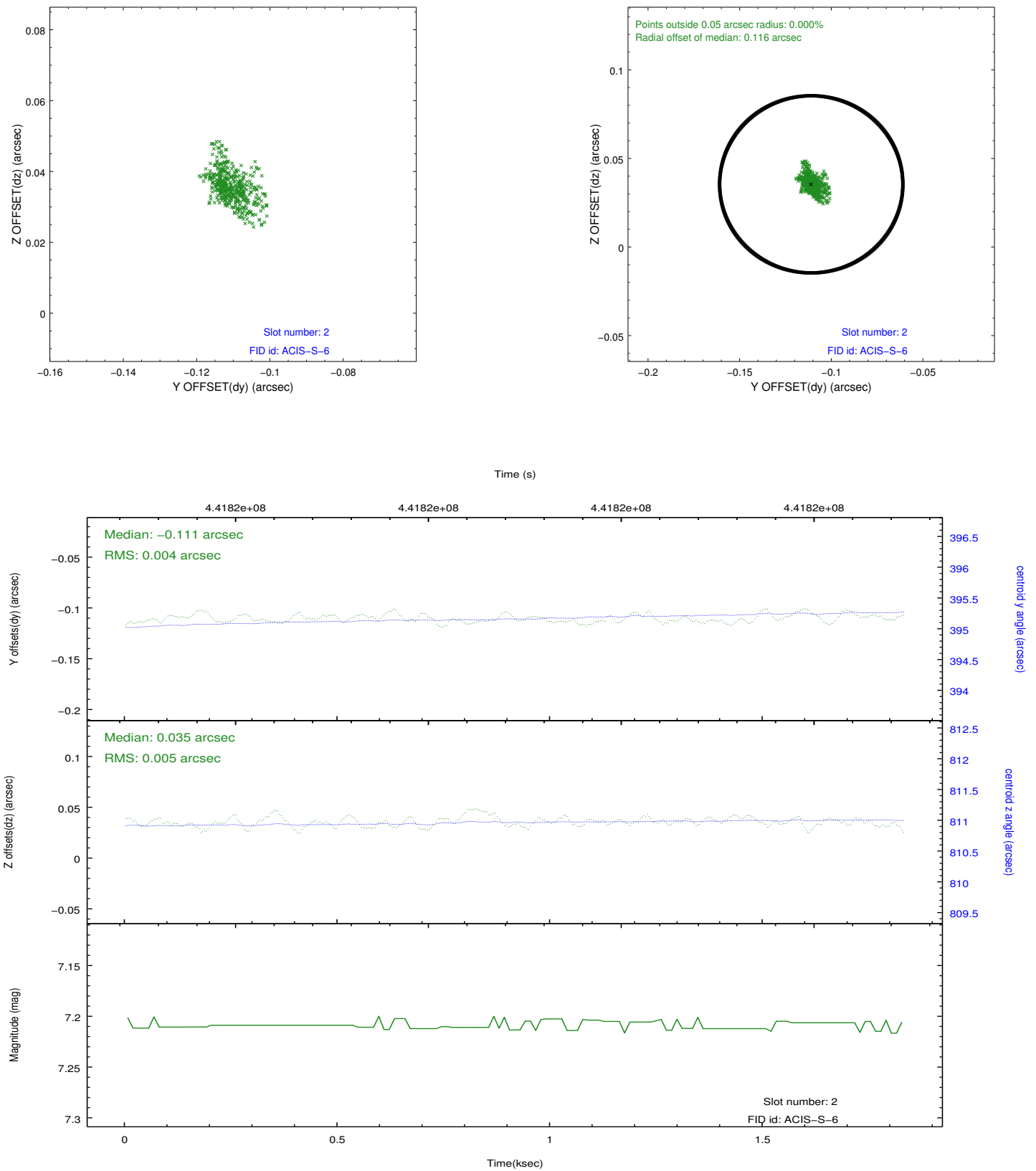
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5582793913484

A.2 Comments