

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18111 - L2 Version 1
Chandra X-Ray Center

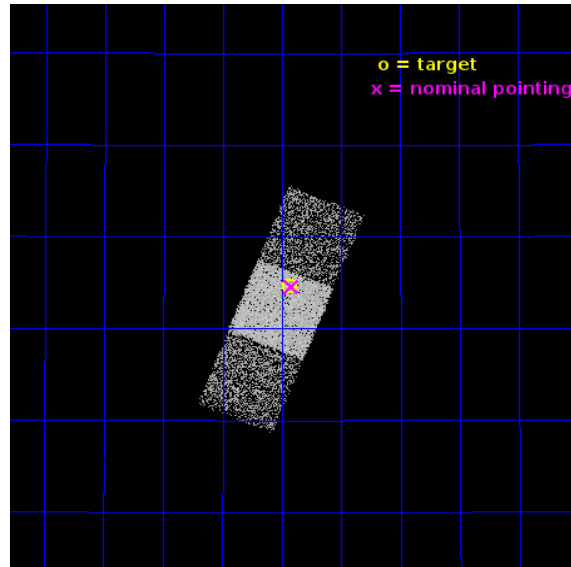
L2 Processing Date : Feb 16 2016

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1 Front

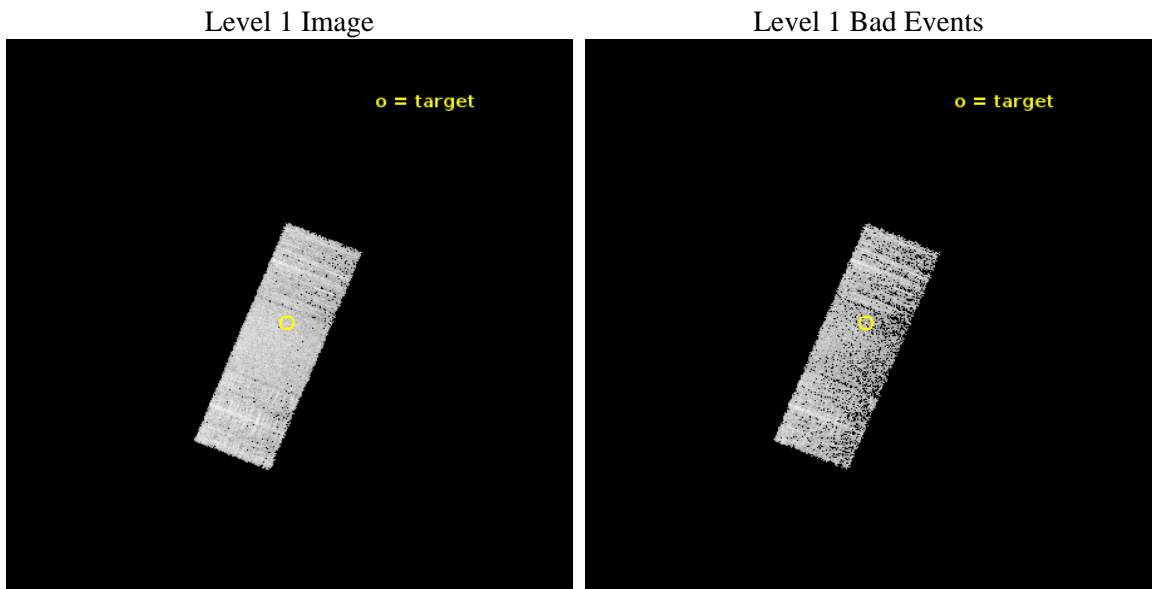
seq_num	703177	Sequence number
obs_id	18111	Observation id
title	Bridging the Gap Between Weak-Line and Typical Quasars	Proposal ti
observer	Prof. William Brandt	Principal investigator
object	SDSS J1228+3414	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.232917	Observer's specified target RA [deg]
dec_targ	34.243583	Observer's specified target Dec [deg]
ra_nom	187.23006132673	Nominal RA [deg]
dec_nom	34.242821650135	Nominal Dec [deg]
roll_nom	112.07310396433	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3914.0985995531	Sum of GTIs [s]
livetime	3862.9580198325	Livetime [s]
ontime6	3914.0575596094	Sum of GTIs [s]
ontime7	3914.0985995531	Sum of GTIs [s]
ontime8	3914.0165195465	Sum of GTIs [s]
l2events	17870	Number of level 2 events



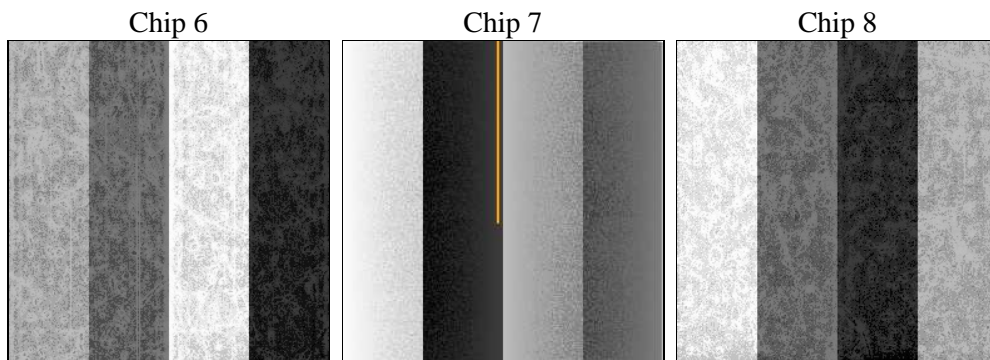
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3800.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	3914.0985995531	Sum of GTIs [s]
caldsver	4.7.0	 	ontime6	3914.0575596094	Sum of GTIs [s]
date	2016-02-16T07:03:25	Date and time of file creation	ontime7	3914.0985995531	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3914.0165195465	Sum of GTIs [s]
			l1events	85725	Number of level 1 events

2.1.4 Events

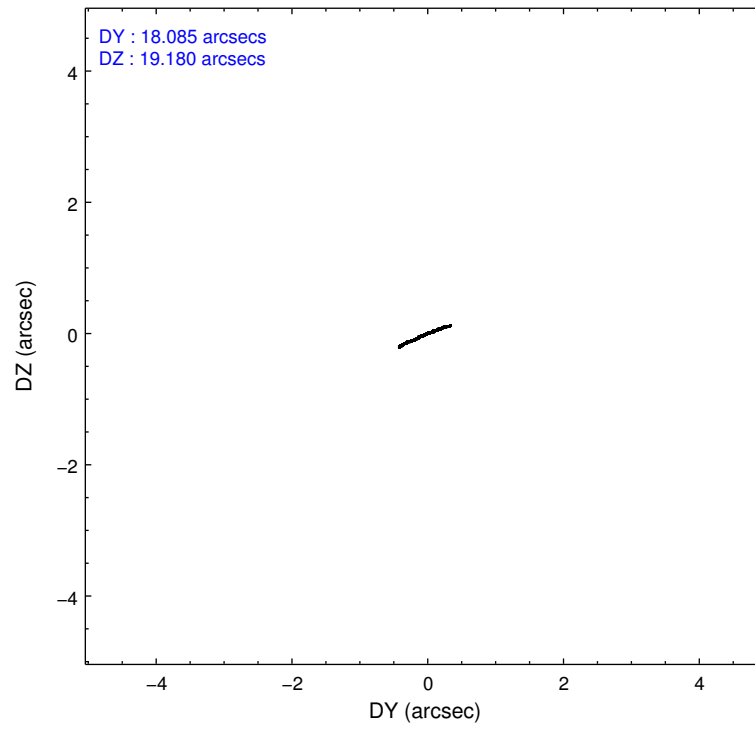
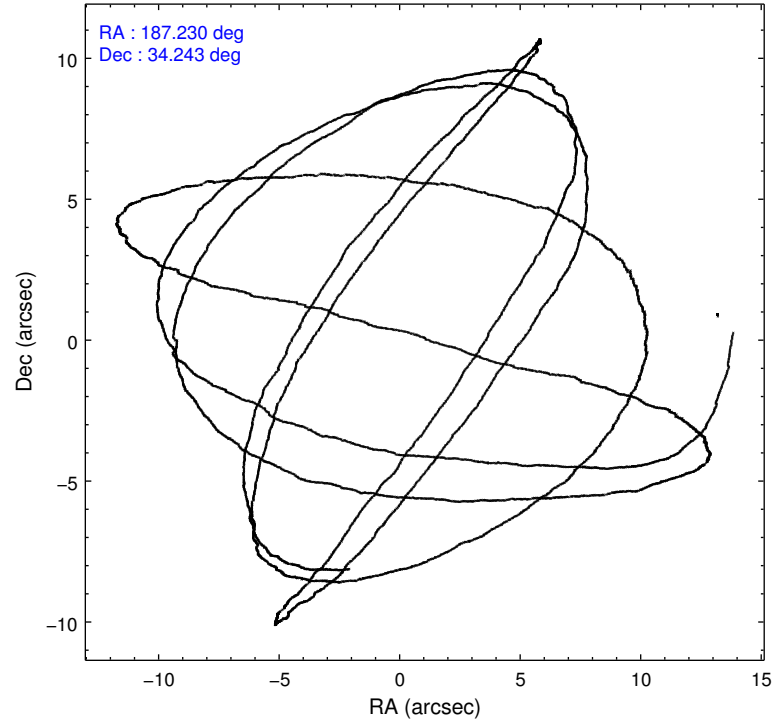
	ccd 6	ccd 7	ccd 8
level 1 events	24172	30054	31499
rejected events	21438	16998	22919
rejected %	88%	56%	72%

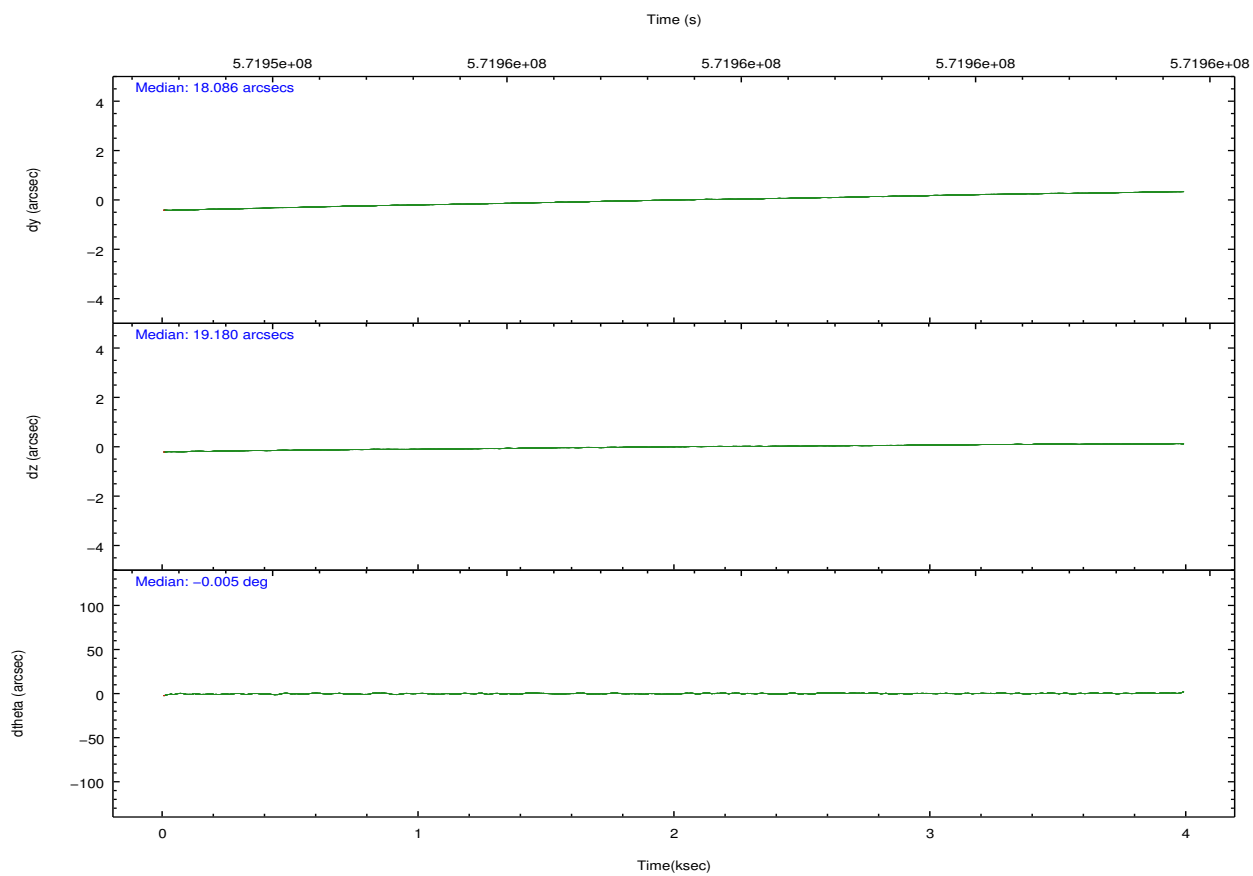
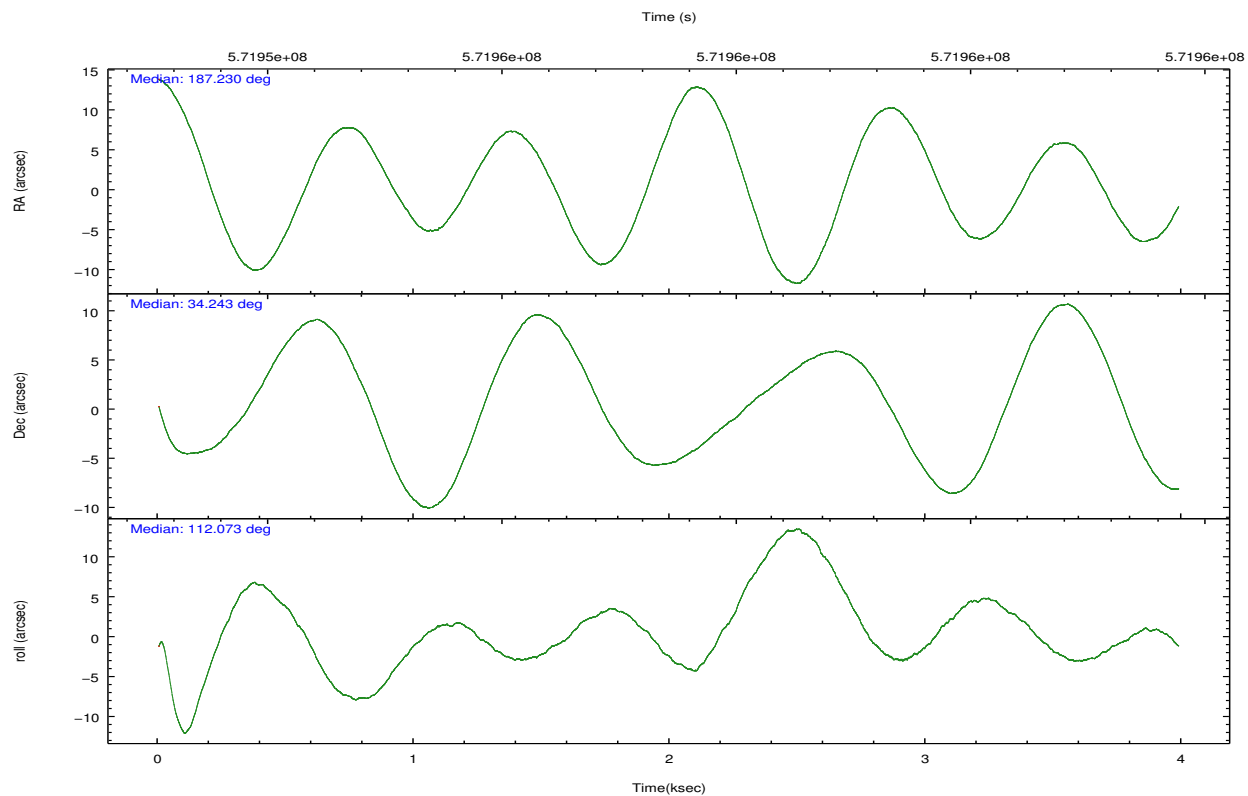
	ccd 6	ccd 7	ccd 8
grade 0 events	876	1084	2481
	3%	3%	7%
grade 1 events	12	40	31
	0%	0%	0%
grade 2 events	646	2840	2075
	2%	9%	6%
grade 3 events	274	962	956
	1%	3%	3%
grade 4 events	303	1031	861
	1%	3%	2%
grade 5 events	1141	3054	1643
	4%	10%	5%
grade 6 events	635	7170	2218
	2%	23%	7%
grade 7 events	20285	13873	21234
	83%	46%	67%

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	187.256609	187.2300613267259	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.226271	34.24282165013525	Alternating exposures requested	N	N
[deg] Pointing Roll	111.901482	112.0731039643307	[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)	571953921.184000	571952276.35218			
Observation start date	2016-02-15T20:04:13	2016-02-15T19:37:56			
[s] Observation end time (MET)	571957721.184000	571958118.34001			
Observation end date	2016-02-15T21:07:33	2016-02-15T21:15:18			
Read mode	TIMED	TIMED			

2.3 Aspect



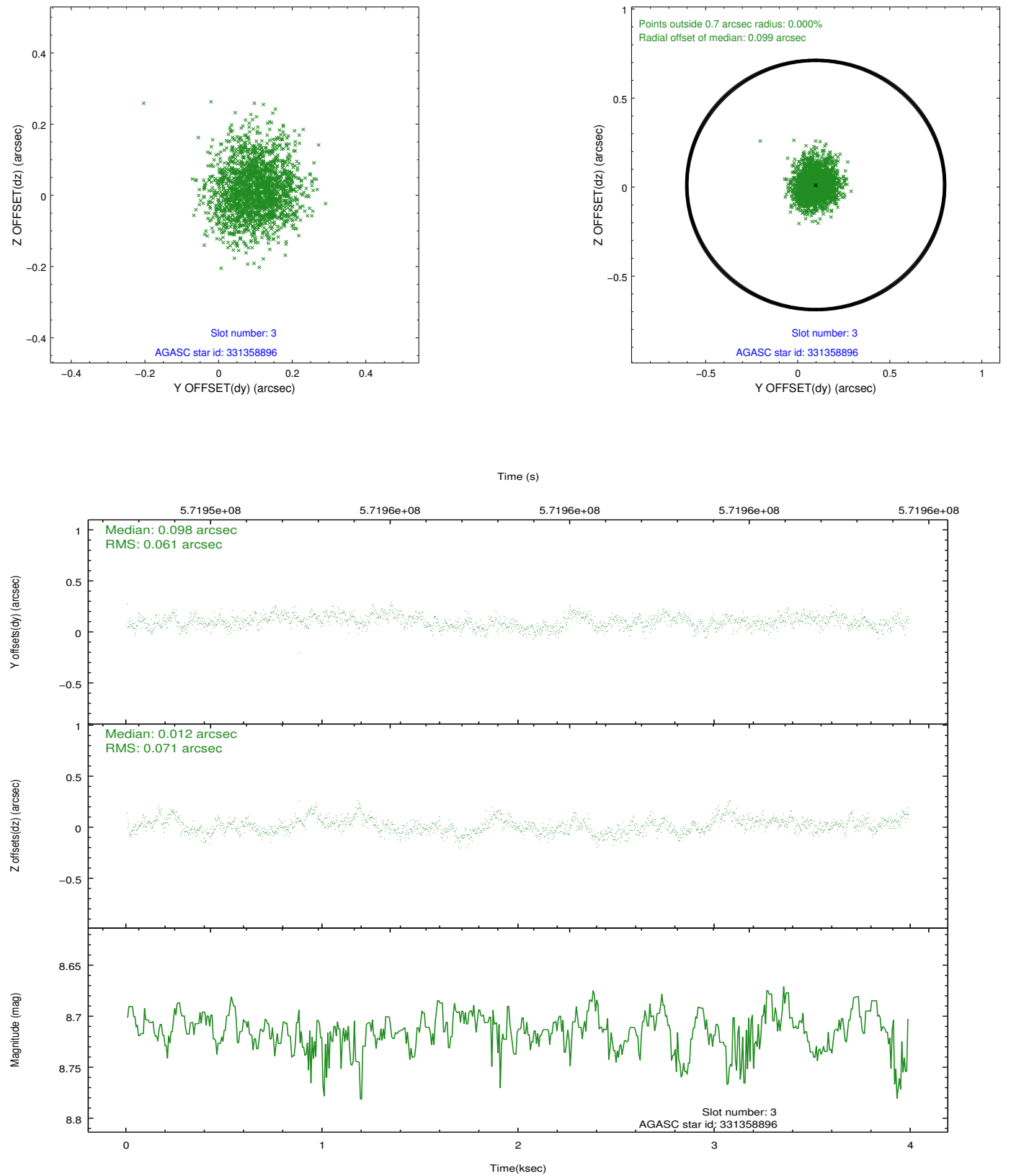


Slot Statistics

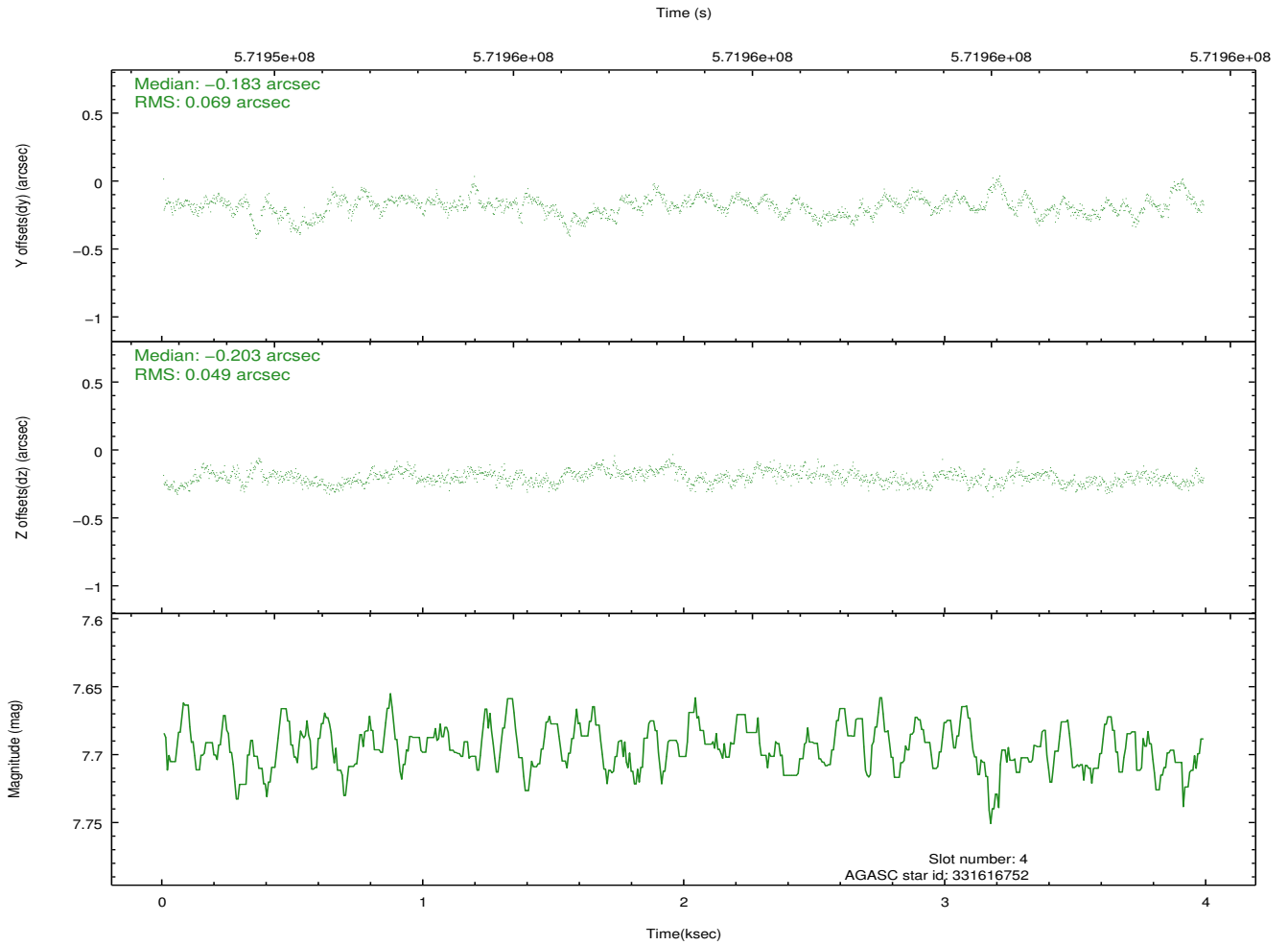
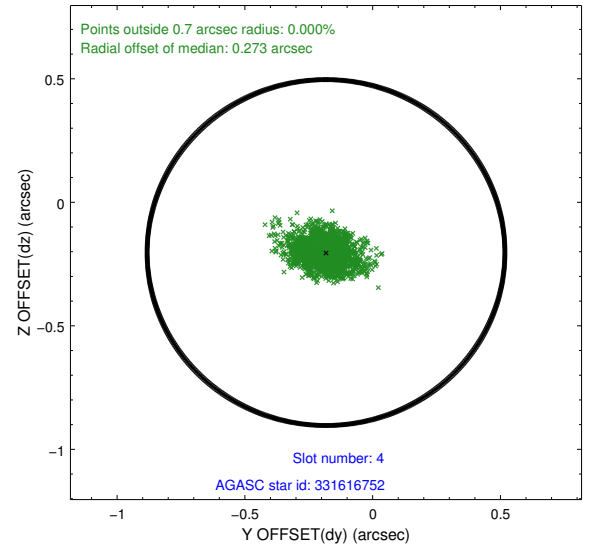
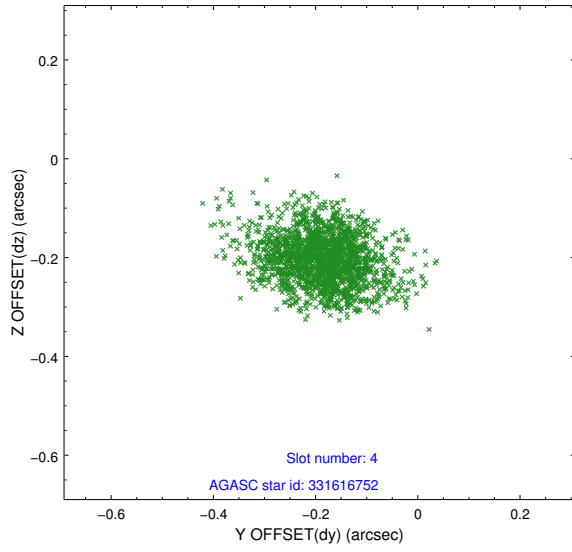
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	973	-0.170	-0.143	0.009	0.014	0.000000	0.000000	-771.27	-1740.75
1	FID		ACIS-S-4	7.22	973	0.461	0.120	0.012	0.021	0.000000	0.000000	2141.90	166.39
2	FID		ACIS-S-5	7.23	973	-0.323	0.032	0.009	0.014	0.000000	0.000000	-1822.28	161.72
3	GUIDE	used	331358896	8.71	1945	0.098	0.012	0.099	0.161	187.653787	33.749032	-2035.00	-462.70
4	GUIDE	used	331616752	7.70	1945	-0.183	-0.203	0.087	0.151	187.312697	34.703452	1532.19	-793.81
5	GUIDE	used	331619504	8.26	1945	-0.049	0.176	0.092	0.145	187.106773	34.624788	1498.11	-123.71
6	GUIDE	used	331630952	9.30	1944	-0.048	0.036	0.124	0.198	187.767905	33.889044	-1691.72	-966.35
7	GUIDE	used	331630992	9.06	1944	0.186	-0.019	0.123	0.200	187.910885	33.917265	-1755.41	-1401.44

2.4 Star Slots

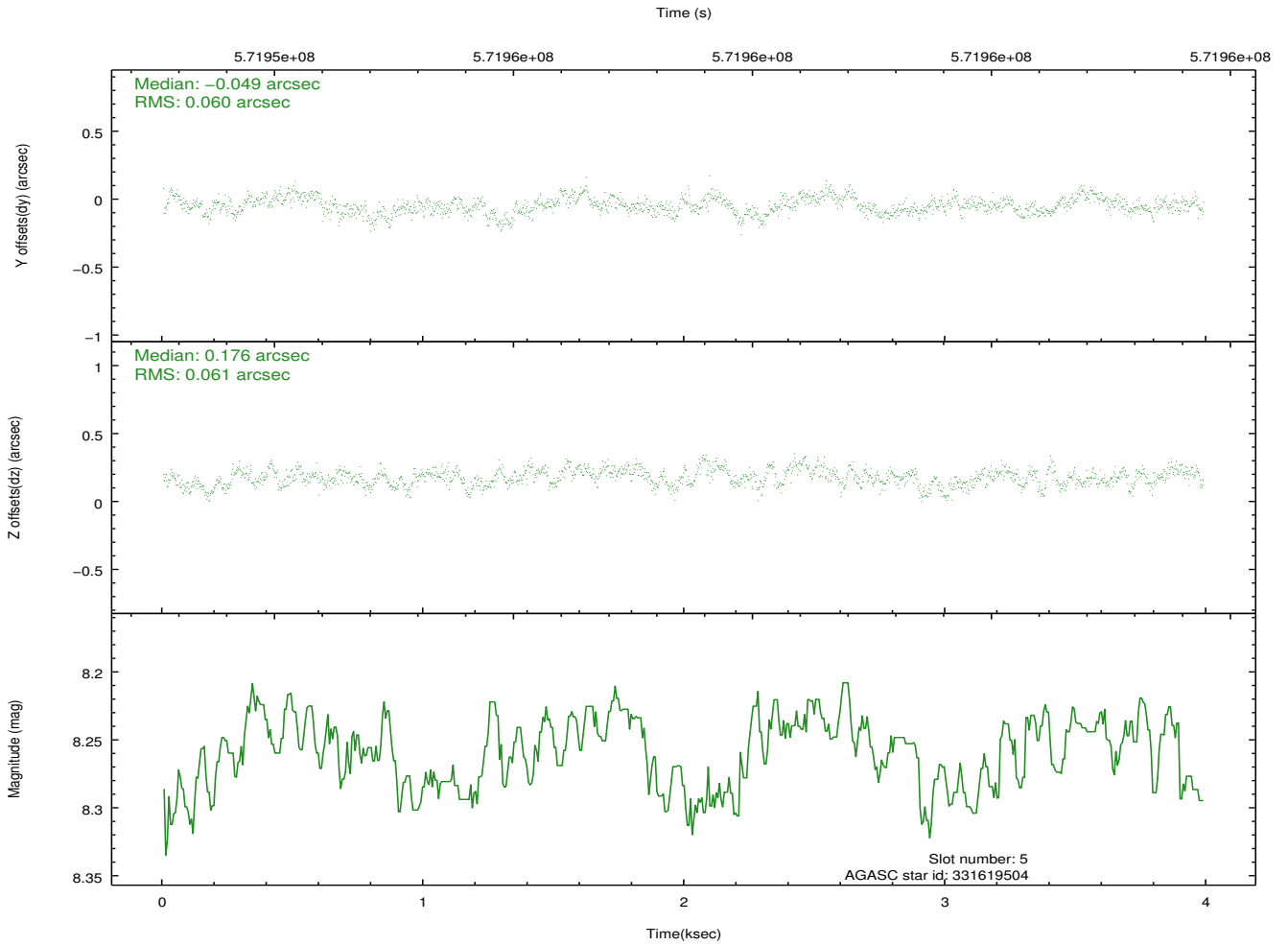
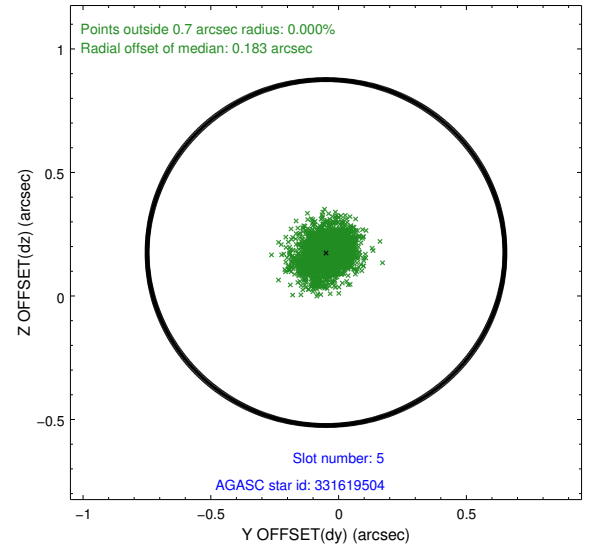
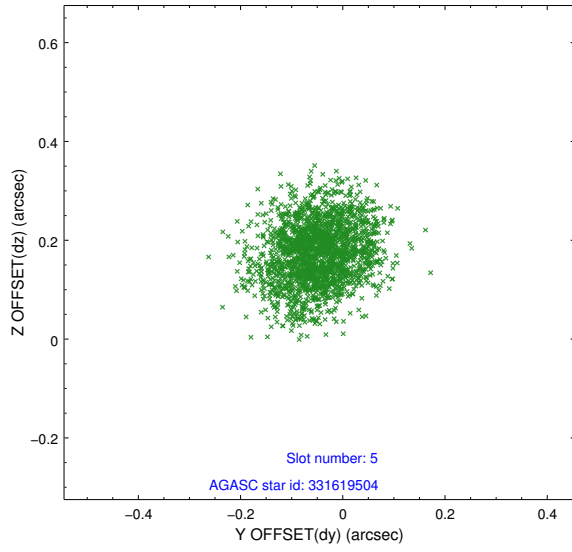
2.4.1 Slot 3



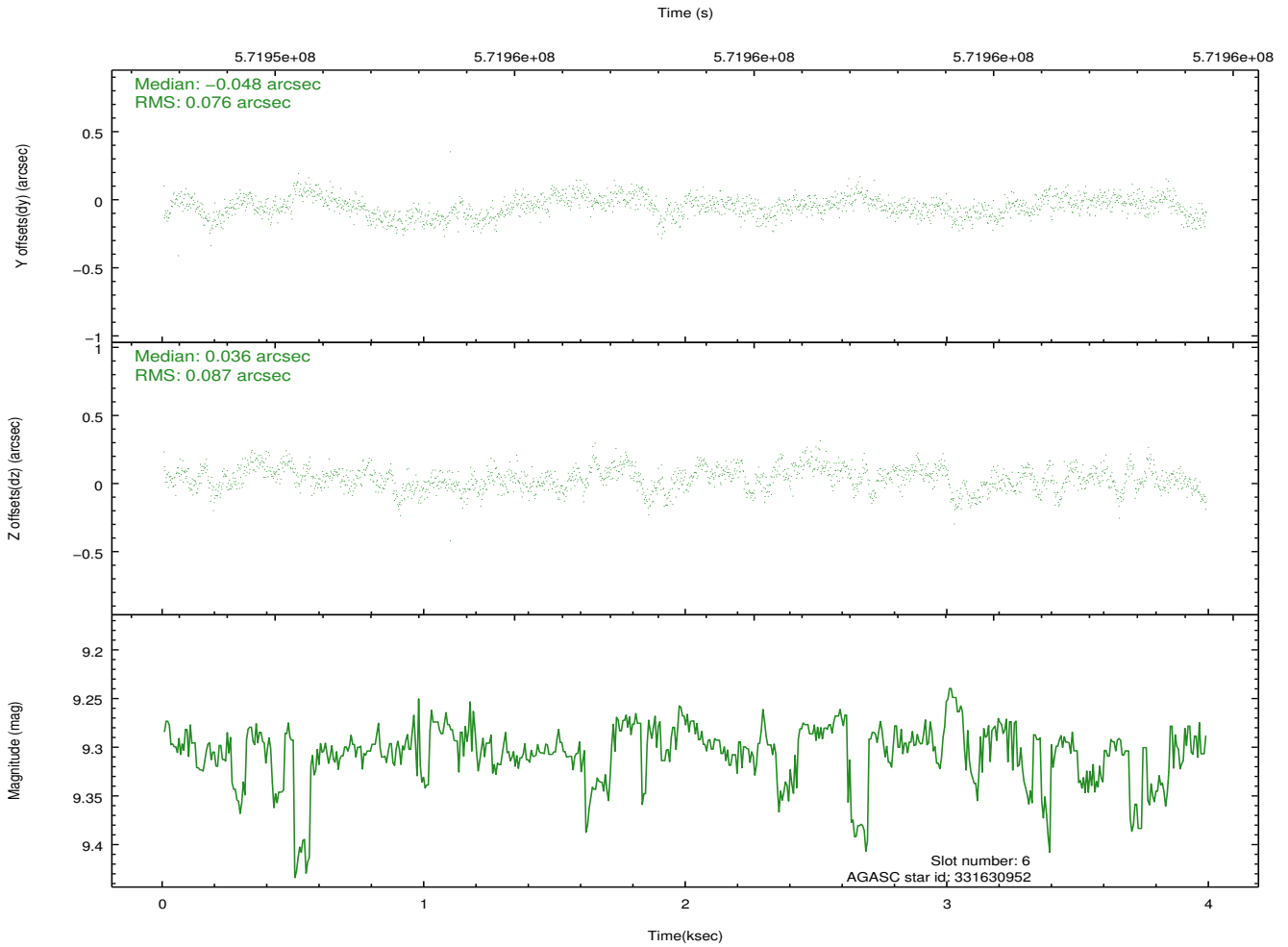
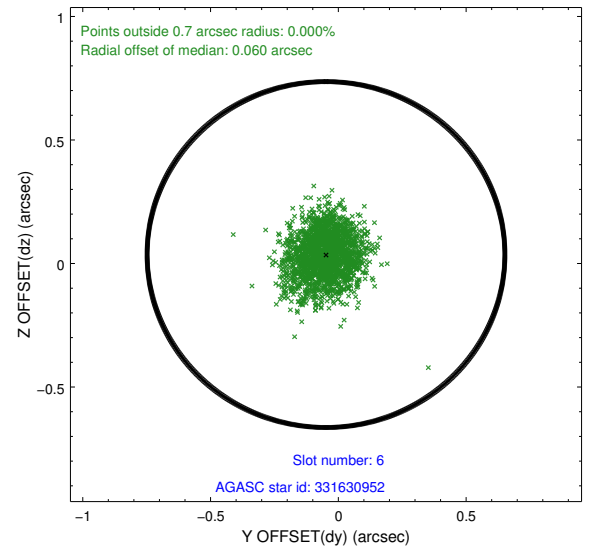
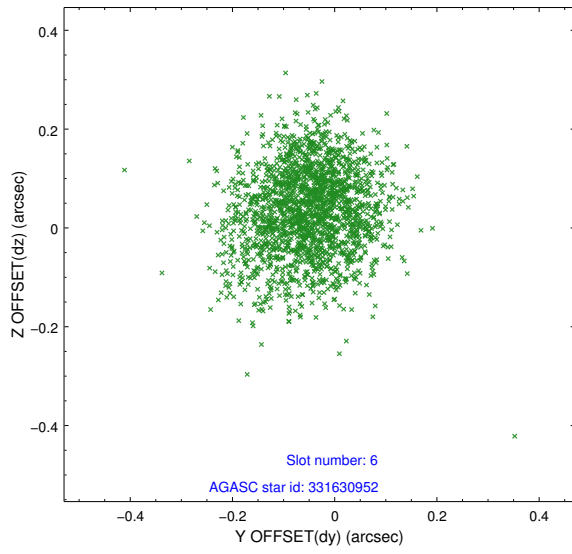
2.4.2 Slot 4



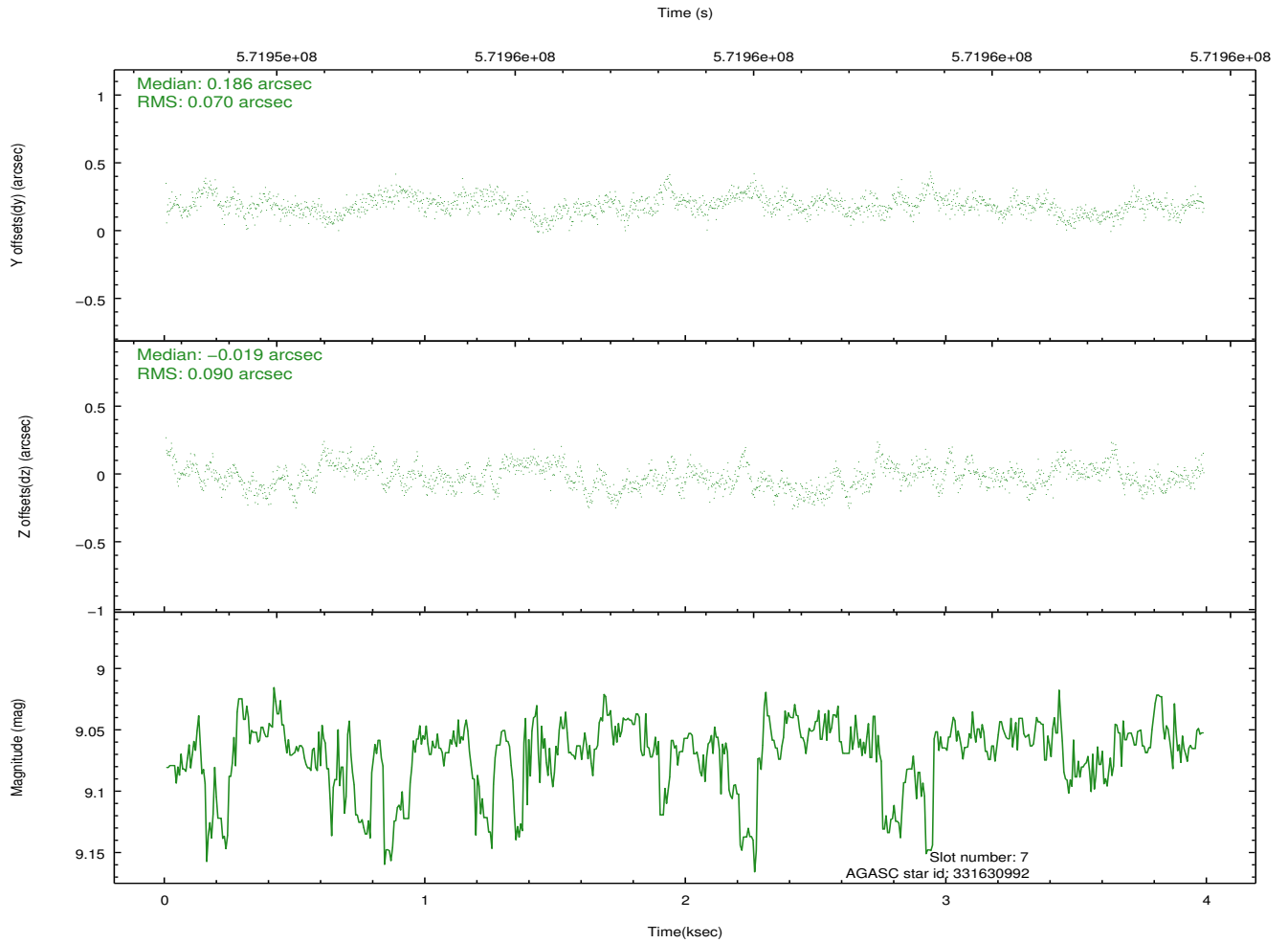
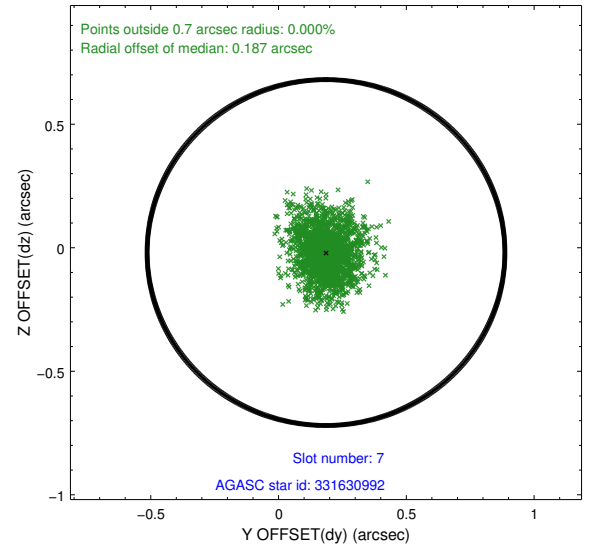
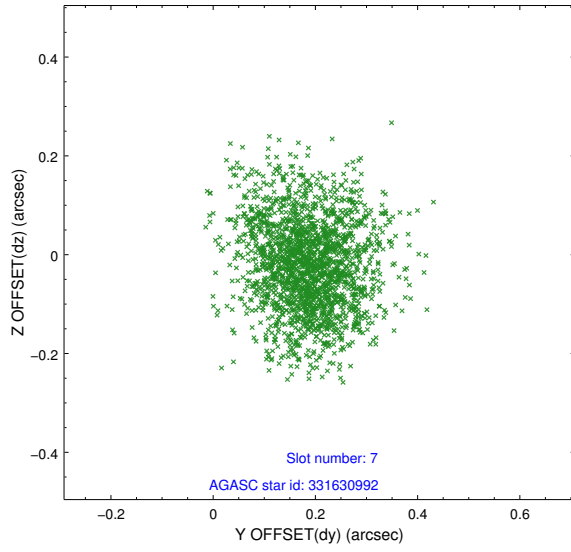
2.4.3 Slot 5



2.4.4 Slot 6

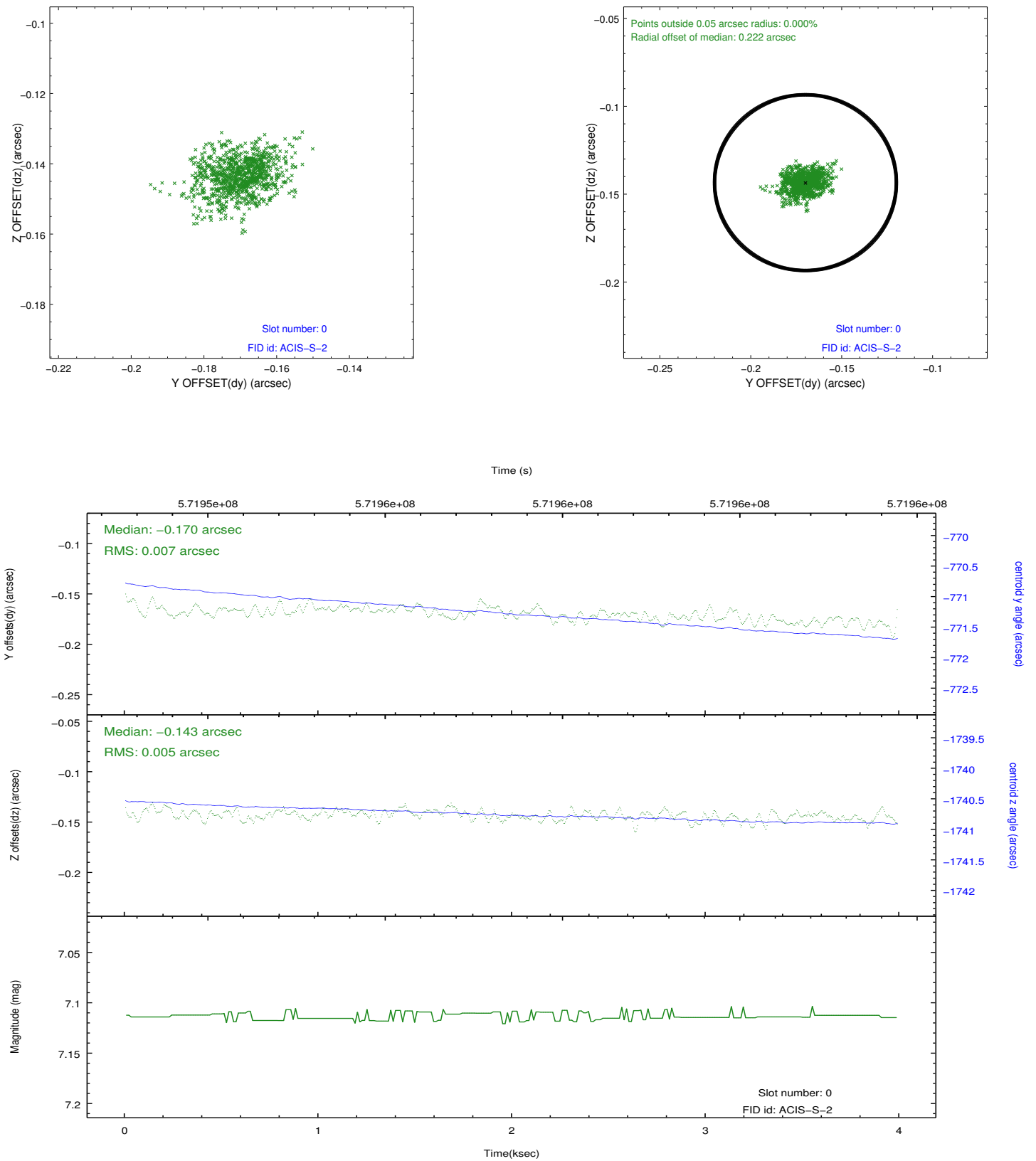


2.4.5 Slot 7

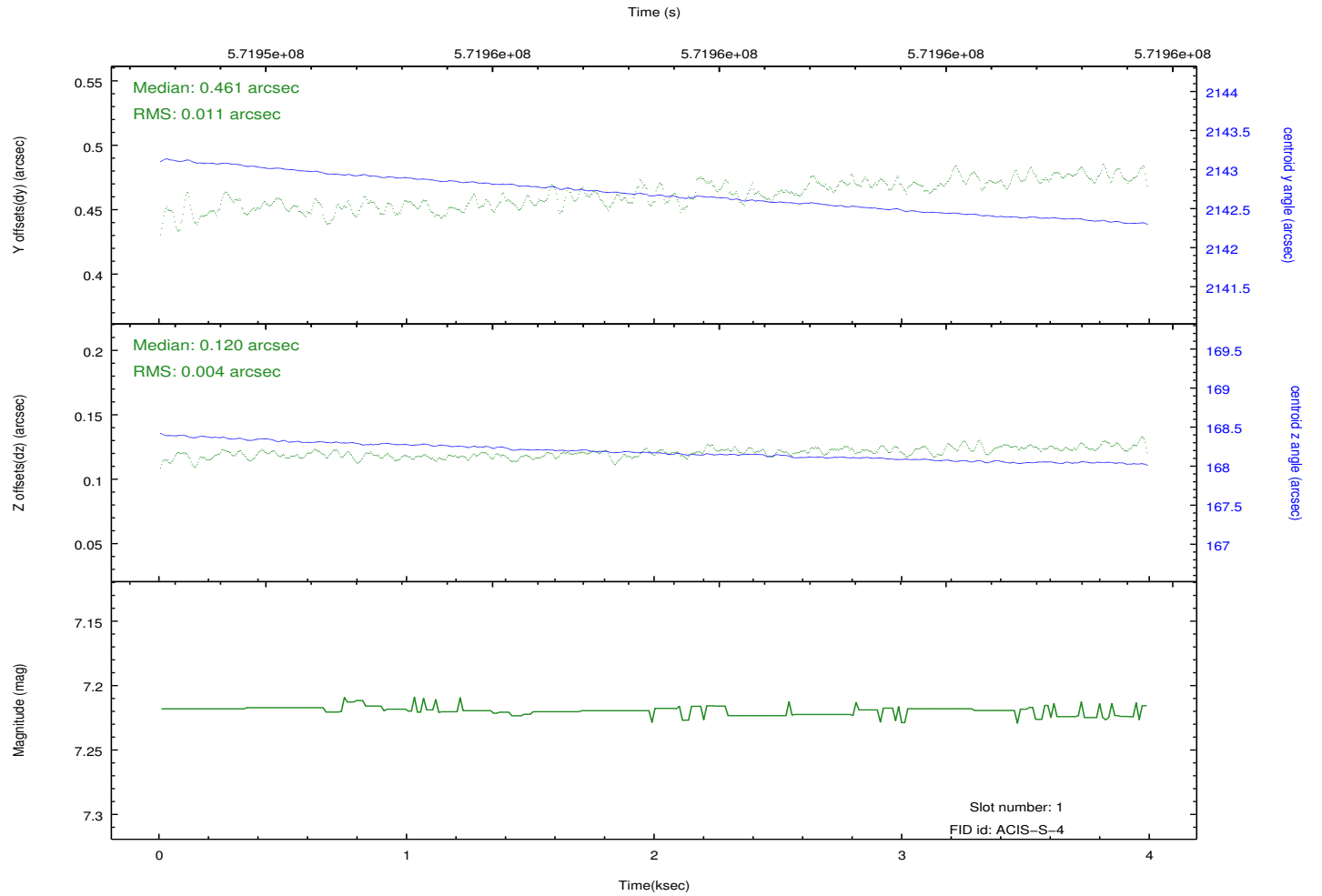
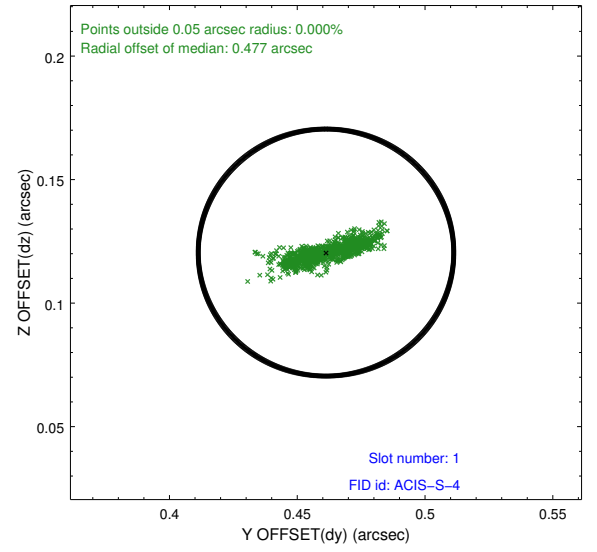
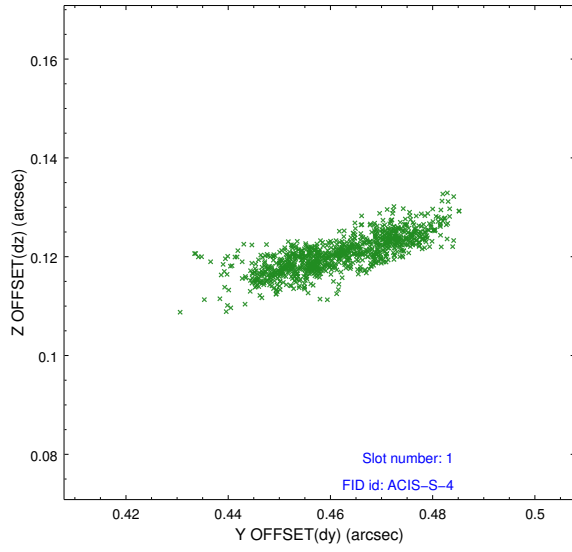


2.5 FID Slots

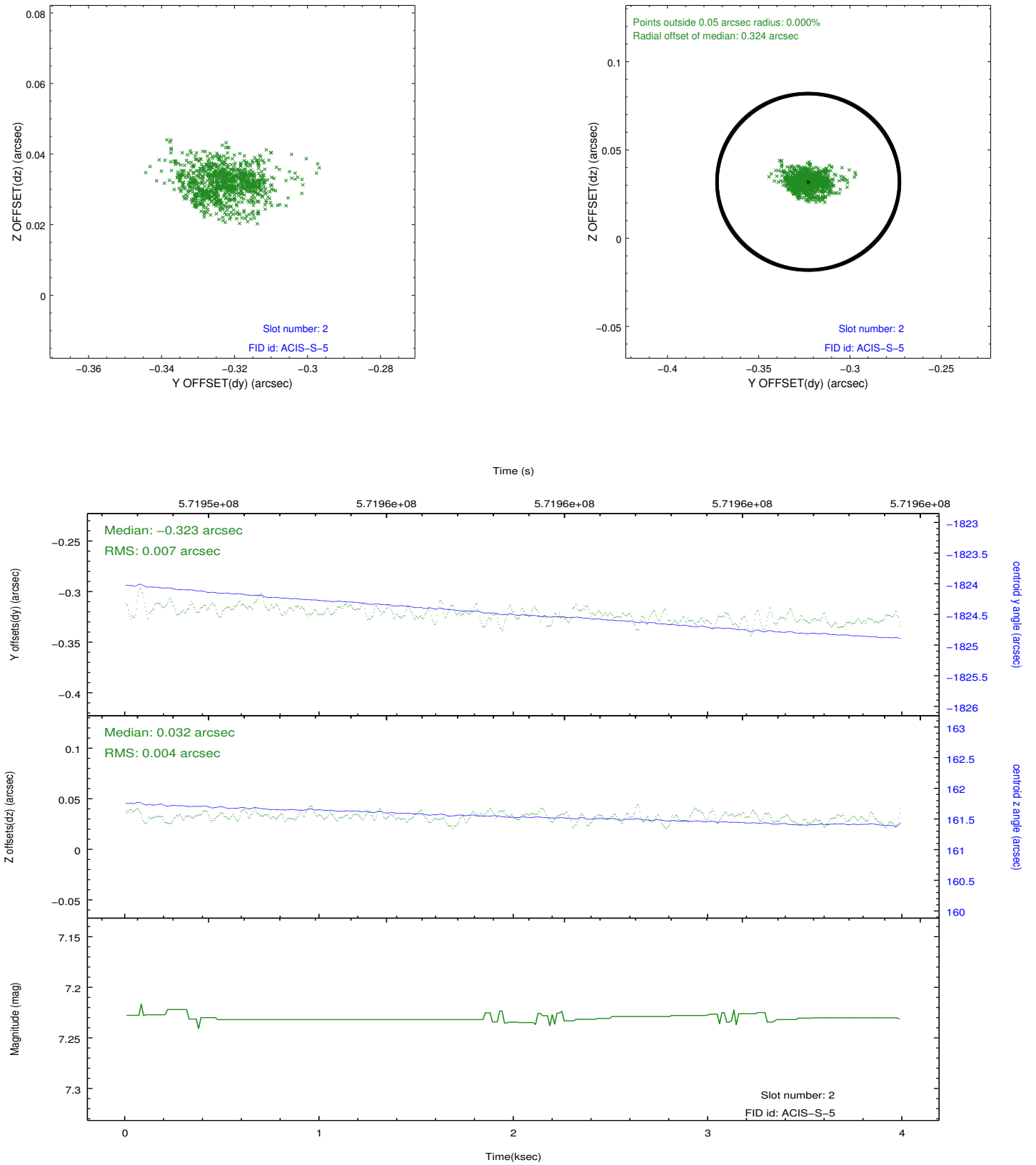
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.02.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.9140985995531

A.2 Comments