

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18112 - L2 Version 1
Chandra X-Ray Center

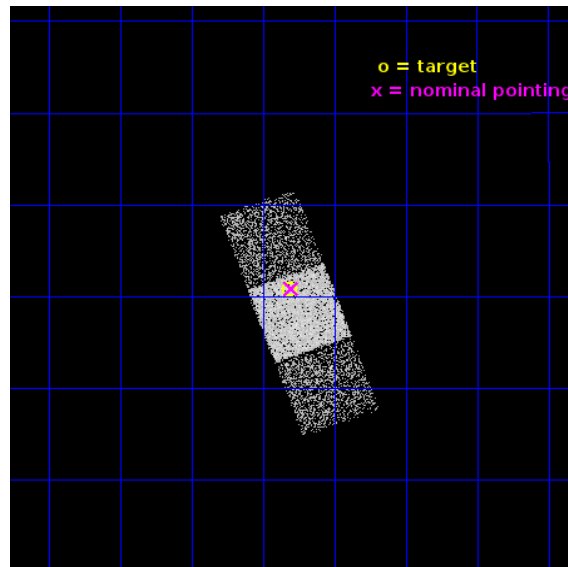
L2 Processing Date : Jan 21 2016

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1 Front

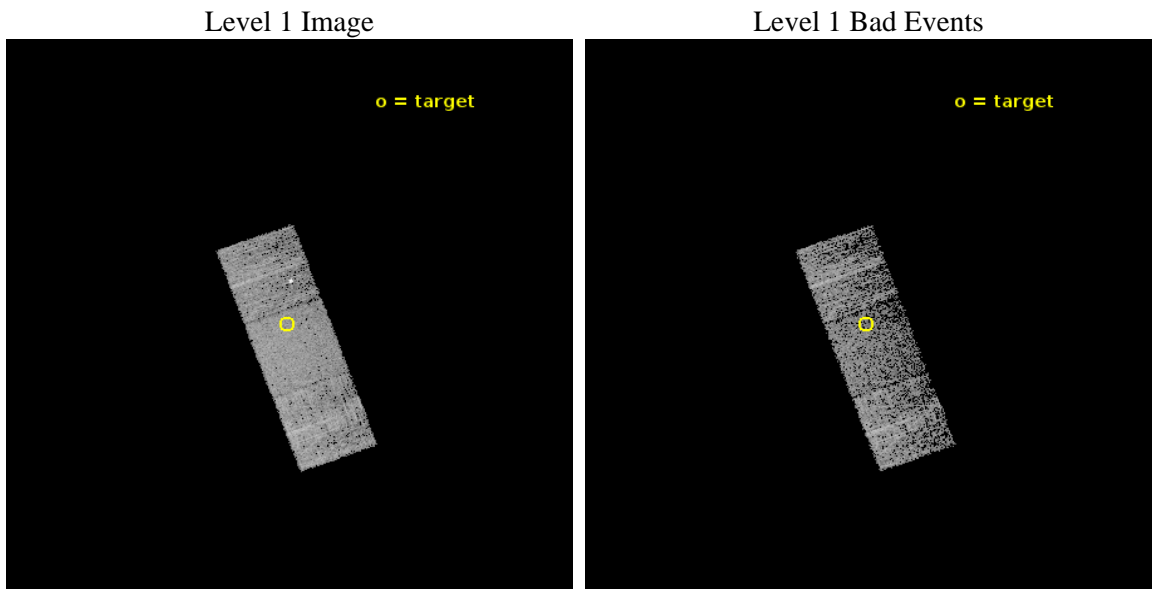
seq_num	703178	Sequence number
obs_id	18112	Observation id
title	Bridging the Gap Between Weak-Line and Typical Quasars	Proposal ti
observer	Prof. William Brandt	Principal investigator
object	SDSS J1220+0440	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	185.202083	Observer's specified target RA [deg]
dec_targ	4.679889	Observer's specified target Dec [deg]
ra_nom	185.19988027306	Nominal RA [deg]
dec_nom	4.680906176092	Nominal Dec [deg]
roll_nom	69.857230797745	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3413.0874891281	Sum of GTIs [s]
livetime	3368.4929884042	Livetime [s]
ontime6	3413.0464491844	Sum of GTIs [s]
ontime7	3413.0874891281	Sum of GTIs [s]
ontime8	3413.0054091215	Sum of GTIs [s]
l2events	15016	Number of level 2 events



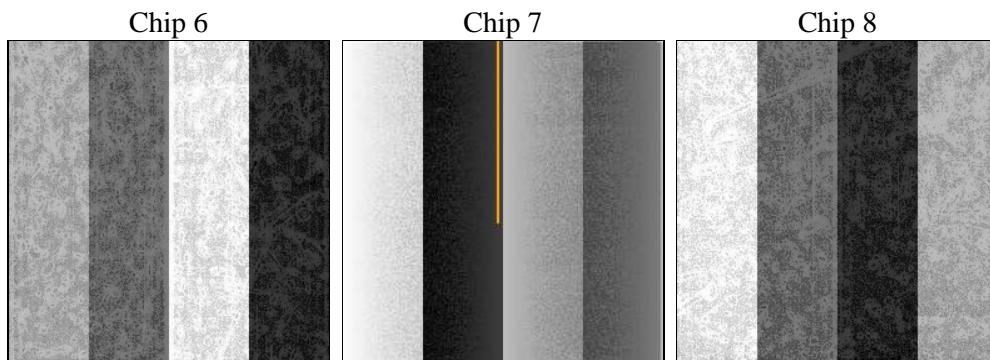
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3300.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	3413.0874891281	Sum of GTIs [s]
caldbver	4.7.0	 	ontime6	3413.0464491844	Sum of GTIs [s]
date	2016-01-21T11:36:37	Date and time of file creation	ontime7	3413.0874891281	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3413.0054091215	Sum of GTIs [s]
			l1events	74635	Number of level 1 events

2.1.4 Events

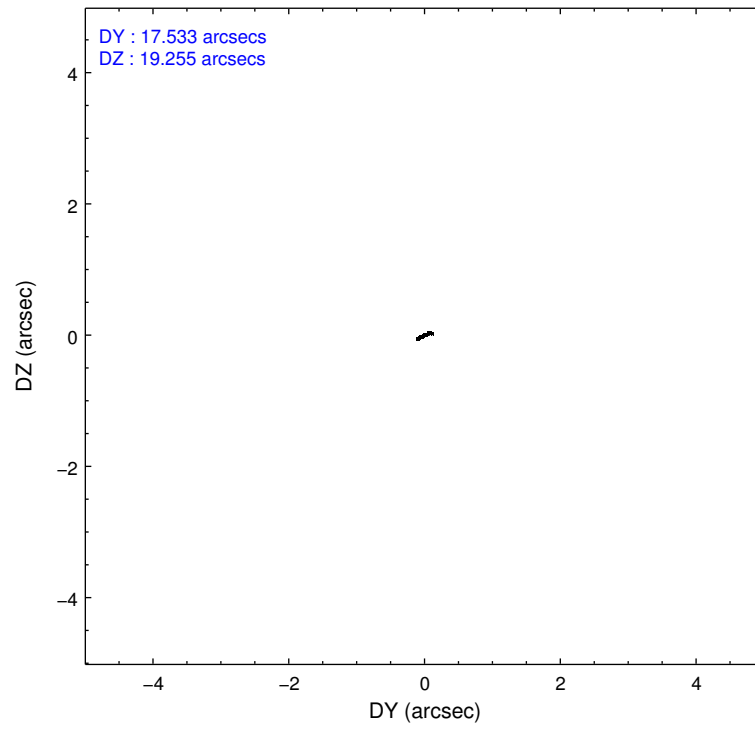
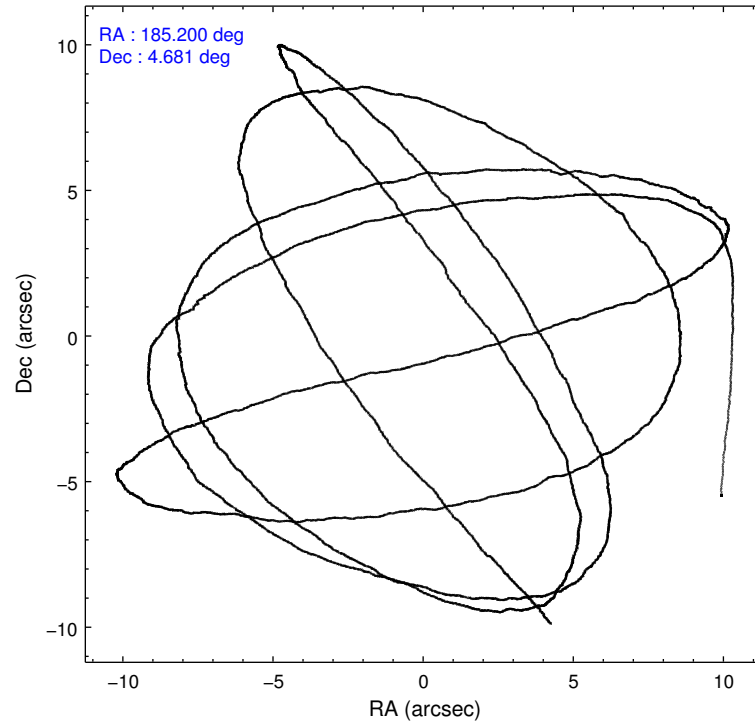
	ccd 6	ccd 7	ccd 8
level 1 events	21789	25384	27462
rejected events	18420	14297	20683
rejected %	84%	56%	75%

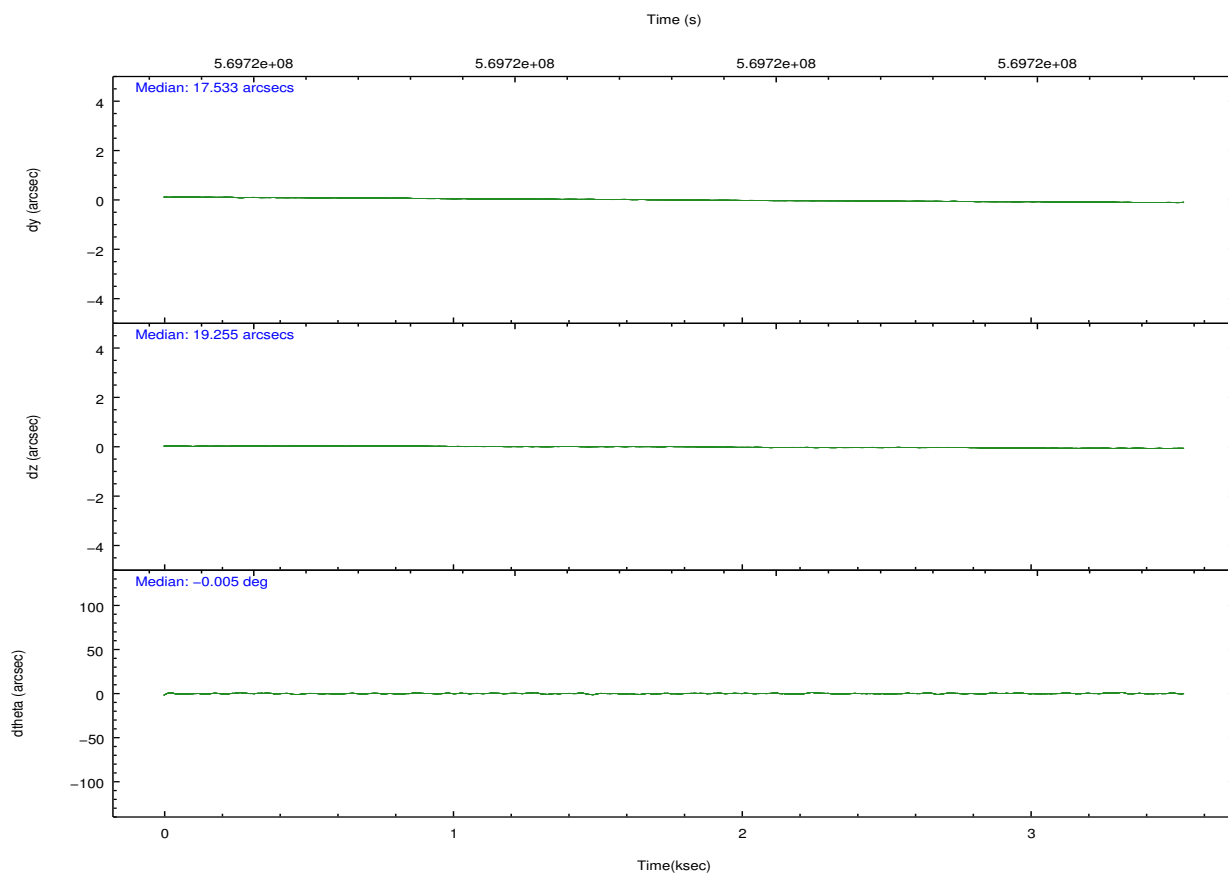
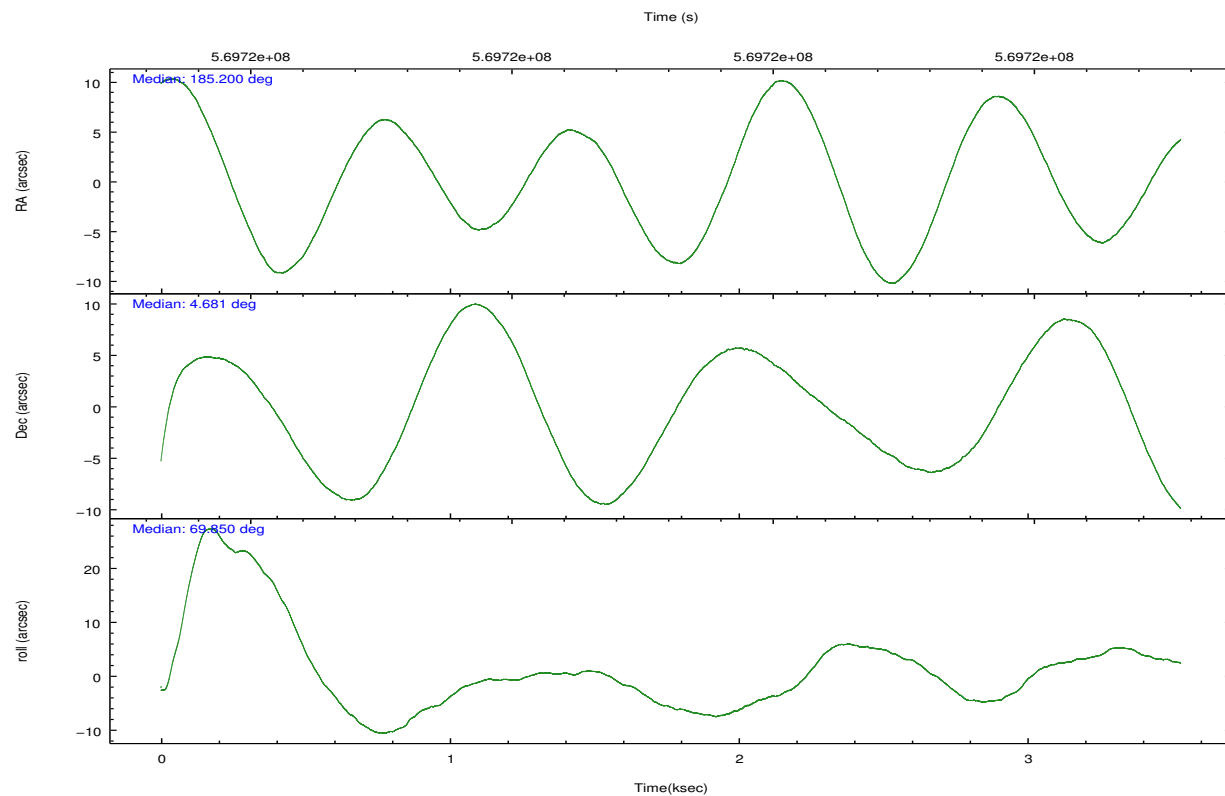
	ccd 6	ccd 7	ccd 8
grade 0 events	1795	926	1836
	8%	3%	6%
grade 1 events	16	29	18
	0%	0%	0%
grade 2 events	563	2265	1781
	2%	8%	6%
grade 3 events	249	899	658
	1%	3%	2%
grade 4 events	224	900	615
	1%	3%	2%
grade 5 events	999	2502	1400
	4%	9%	5%
grade 6 events	543	6108	1914
	2%	24%	6%
grade 7 events	17400	11755	19240
	79%	46%	70%

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	185.204954	185.199880273061	Subarray requested	NONE	NONE
[deg] Pointing Dec	4.653870	4.680906176091961	Alternating exposures requested	N	N
[deg] Pointing Roll	69.700281	69.85723079774461	[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)	569719076.184000	569718206.72527			
Observation start date	2016-01-20T23:16:48	2016-01-20T23:03:26			
[s] Observation end time (MET)	569722376.184000	569723847.81309			
Observation end date	2016-01-21T00:11:48	2016-01-21T00:37:27			
Read mode	TIMED	TIMED			

2.3 Aspect



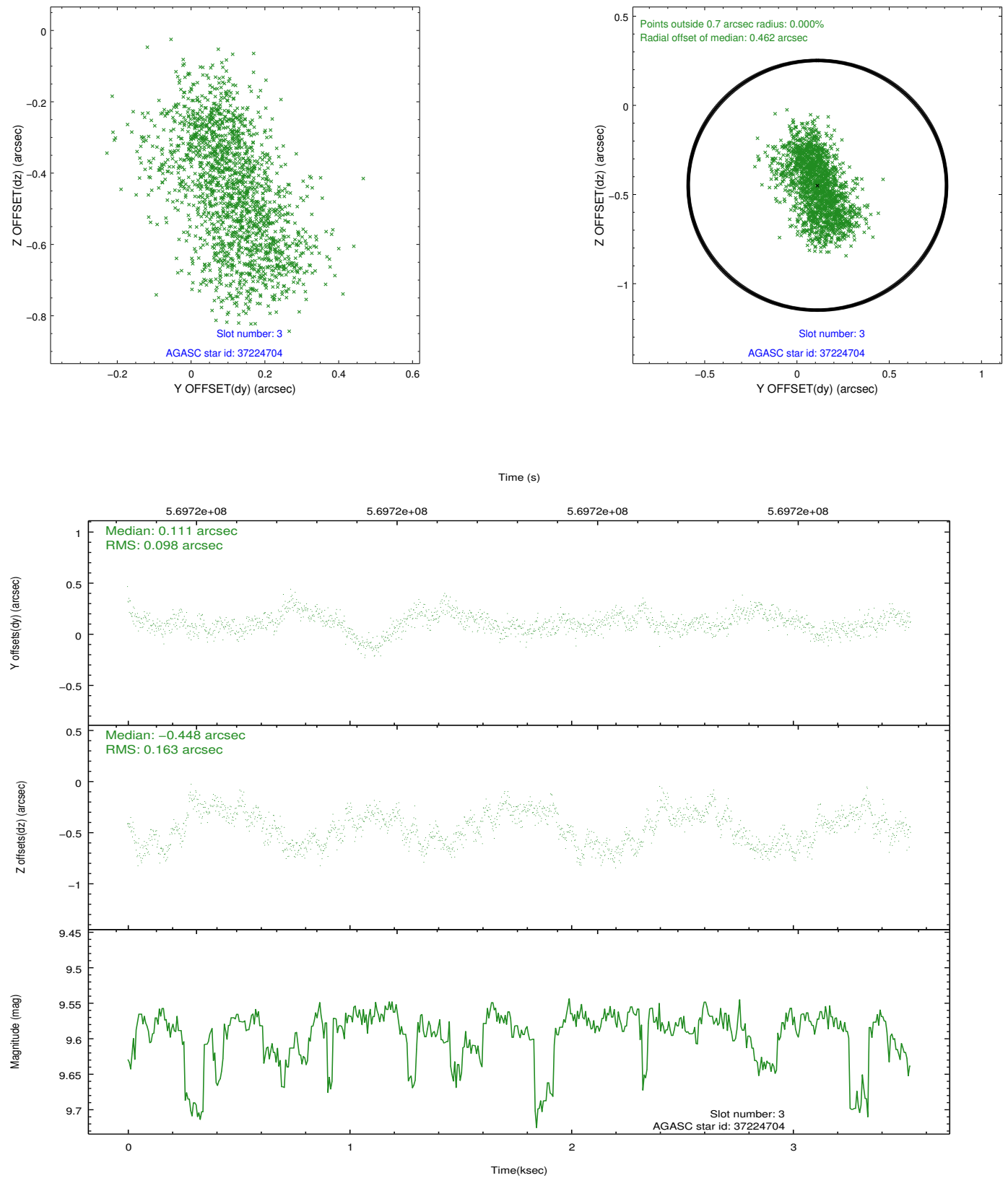


Slot Statistics

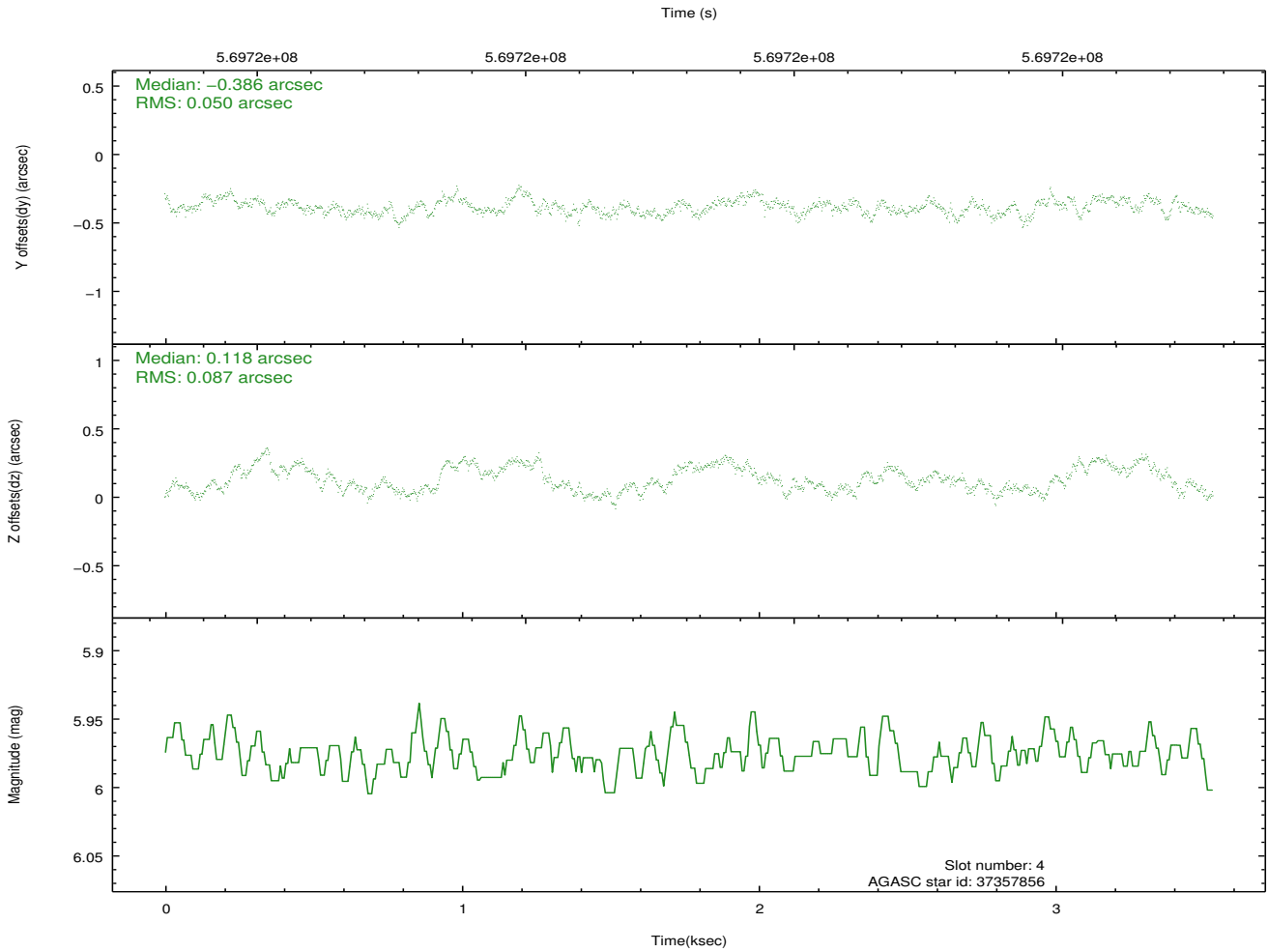
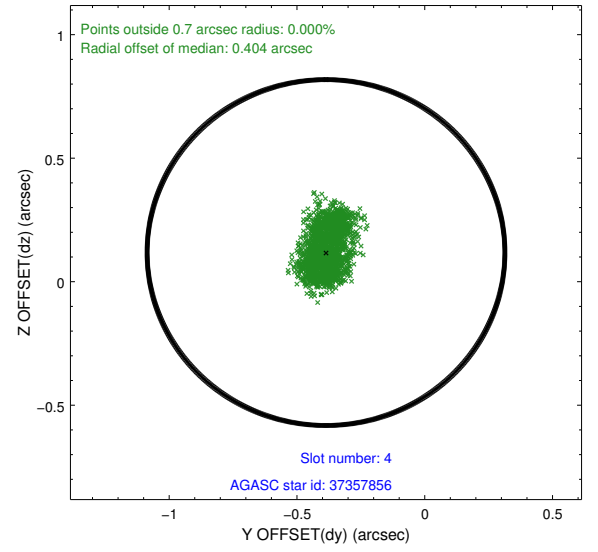
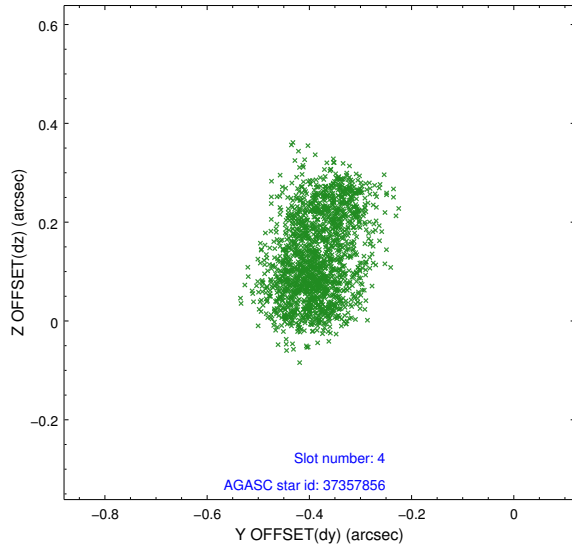
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	862	-0.169	-0.131	0.007	0.010	0.000000	0.000000	-770.72	-1740.83
1	FID		ACIS-S-4	7.22	861	0.426	0.117	0.006	0.010	0.000000	0.000000	2142.30	166.08
2	FID		ACIS-S-5	7.24	862	-0.289	0.023	0.007	0.011	0.000000	0.000000	-1821.42	161.65
3	GUIDE	used	37224704	9.59	1720	0.111	-0.448	0.210	0.318	184.727896	4.645371	-621.87	1595.16
4	GUIDE	used	37357856	5.98	1724	-0.386	0.118	0.111	0.168	185.562598	4.854937	1123.95	-950.67
5	GUIDE	used	37360448	8.01	1724	0.275	0.134	0.092	0.146	185.250831	4.537778	-334.07	-300.44
6	GUIDE	used	37360744	9.06	1721	0.069	0.325	0.168	0.255	185.839549	4.671352	850.18	-2113.31
7	GUIDE	used	37750480	9.50	1722	-0.083	-0.129	0.183	0.292	185.717050	5.052431	1984.16	-1225.17

2.4 Star Slots

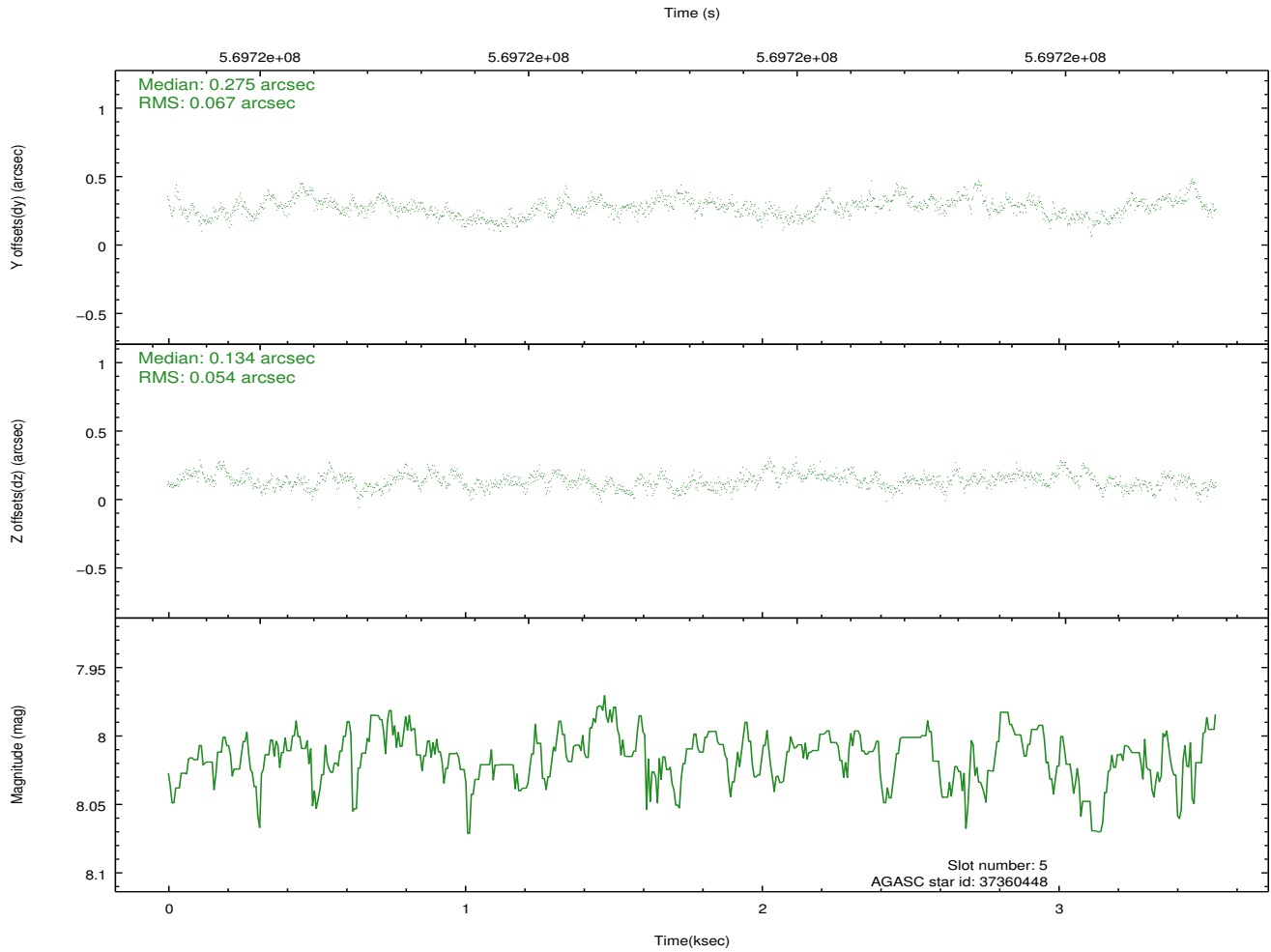
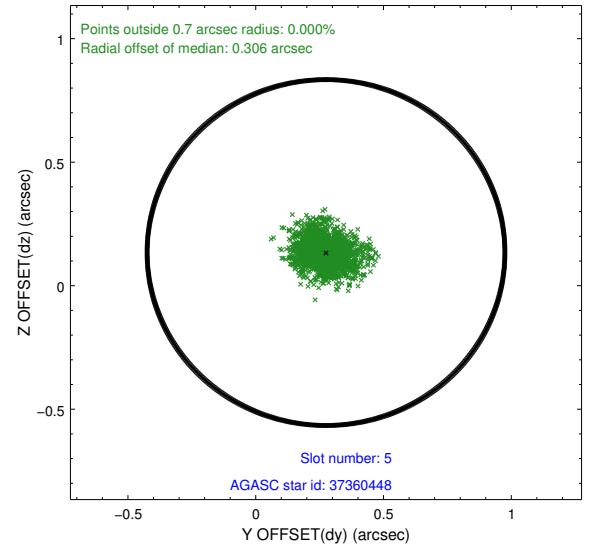
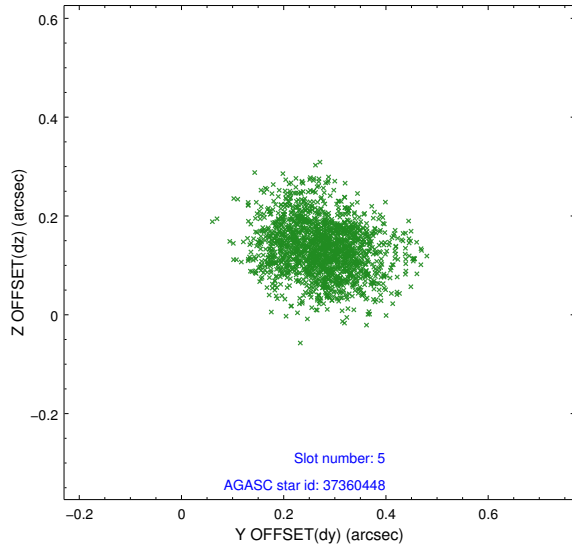
2.4.1 Slot 3



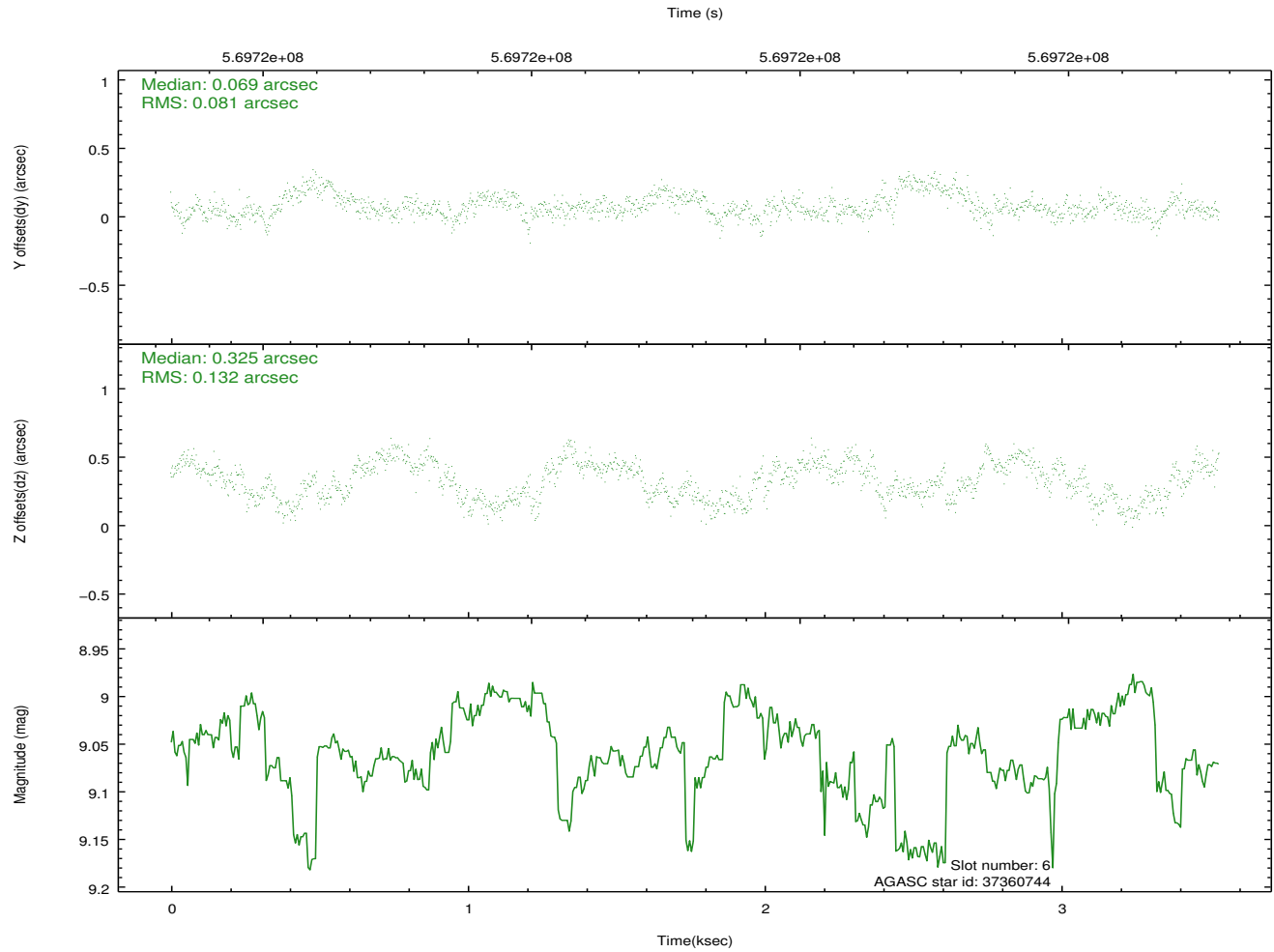
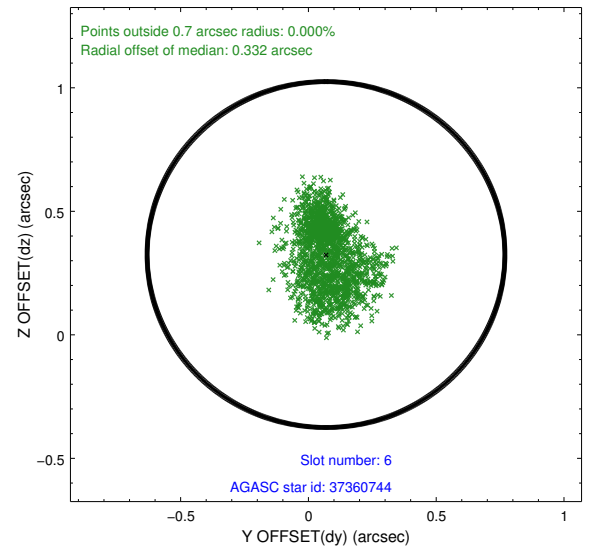
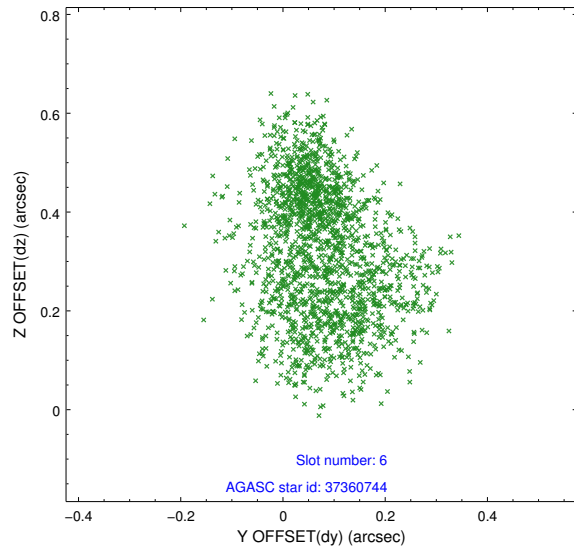
2.4.2 Slot 4



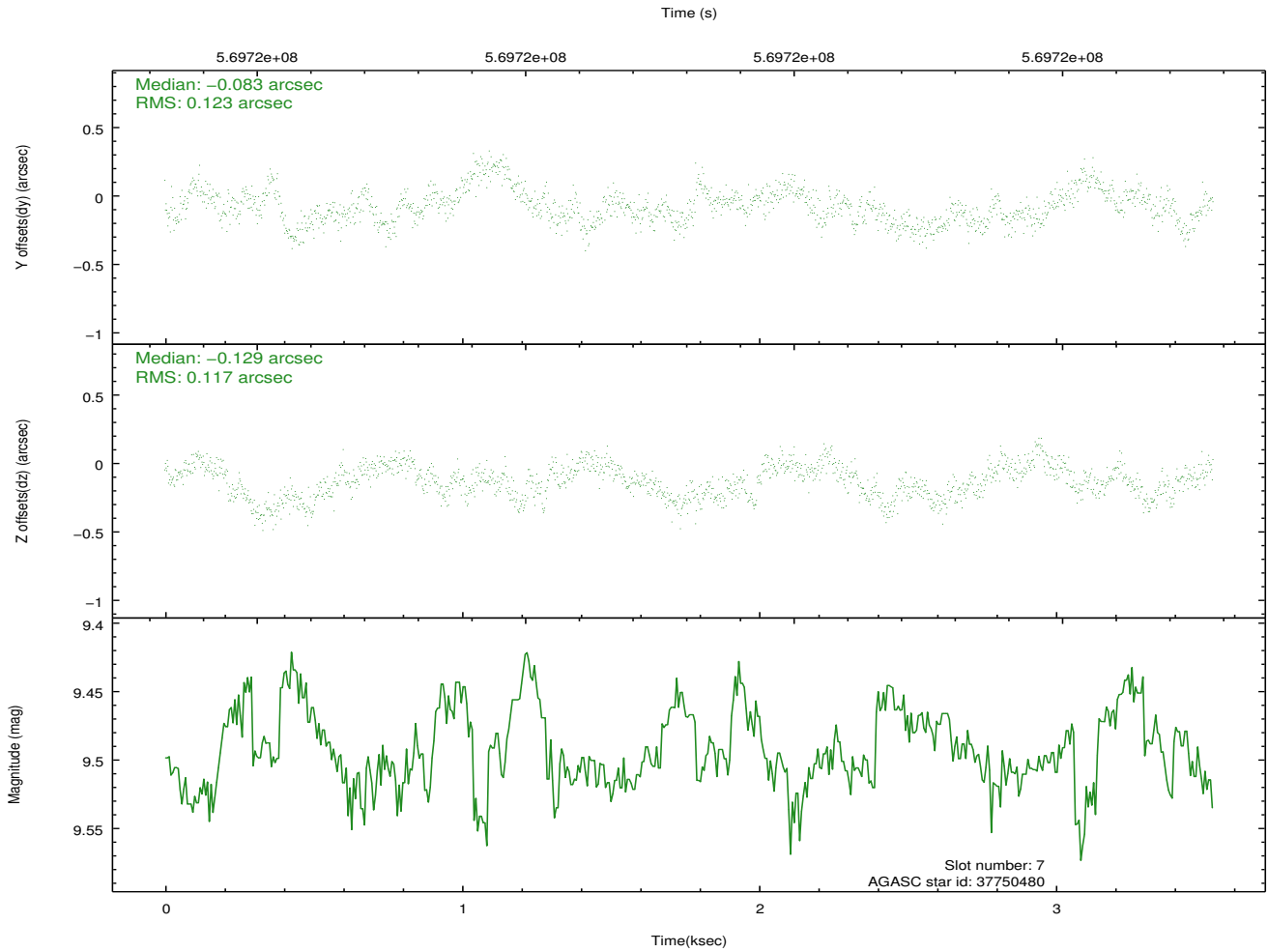
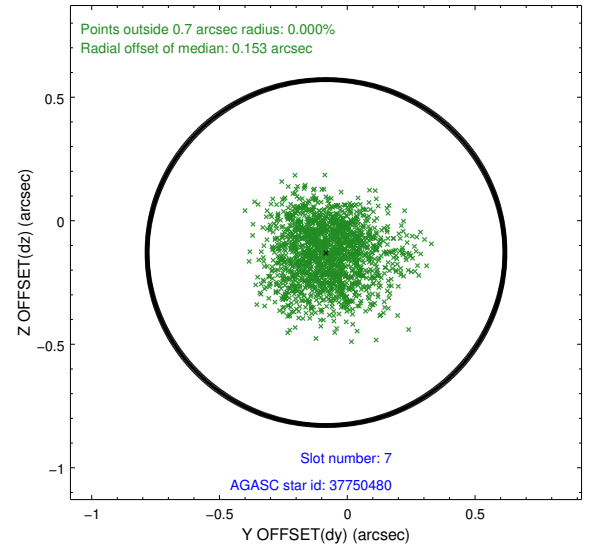
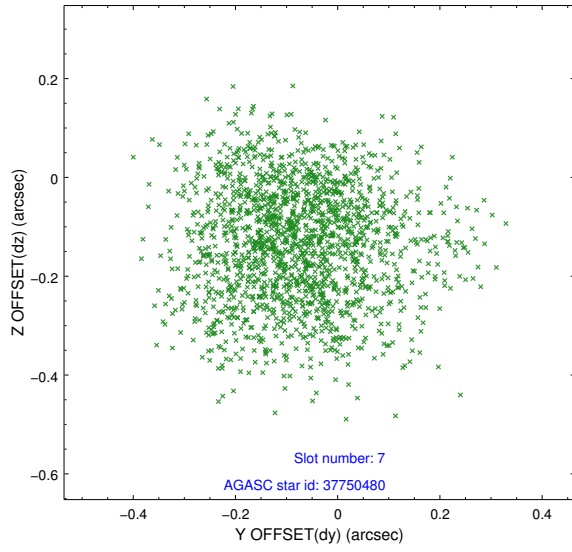
2.4.3 Slot 5



2.4.4 Slot 6

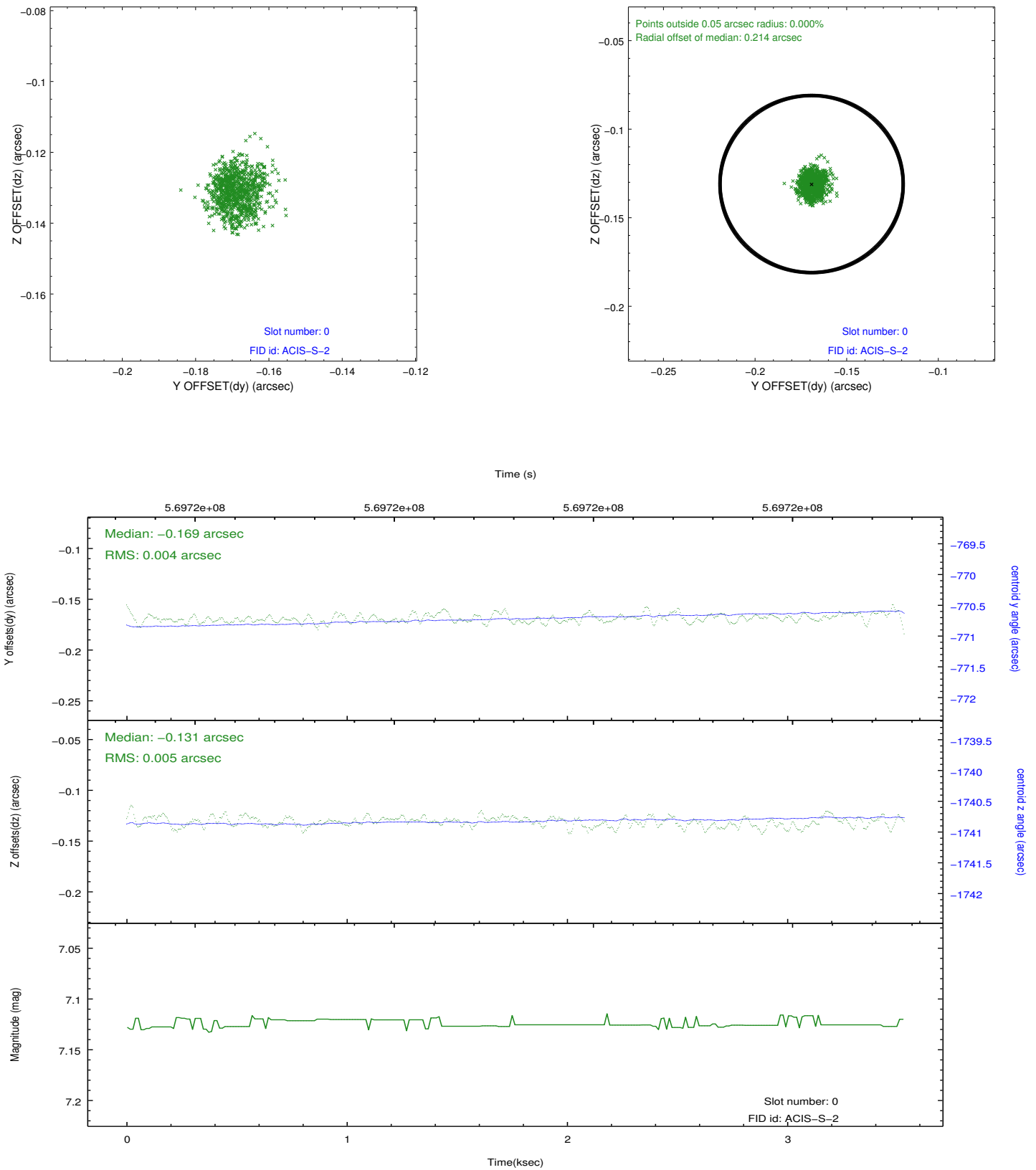


2.4.5 Slot 7

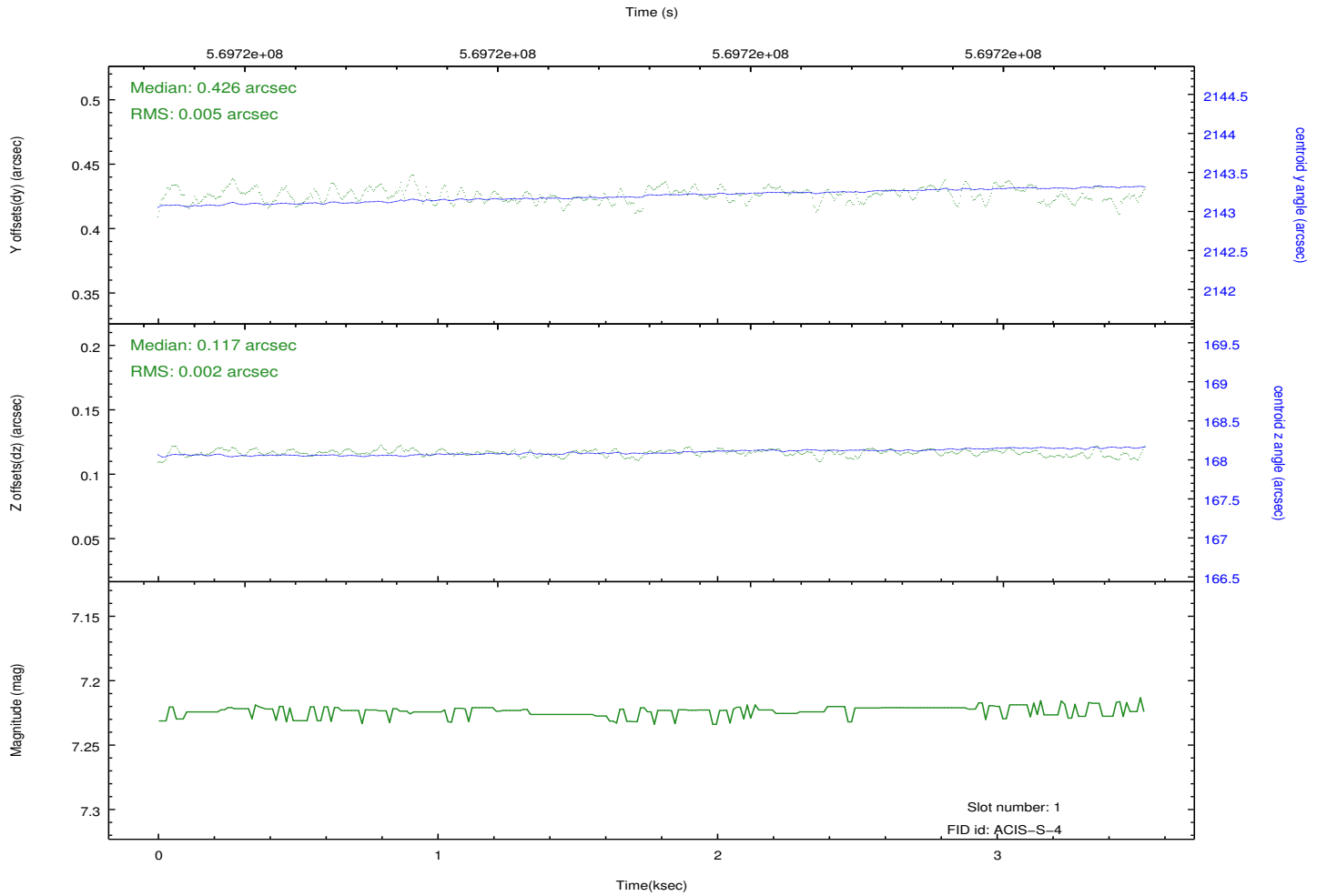
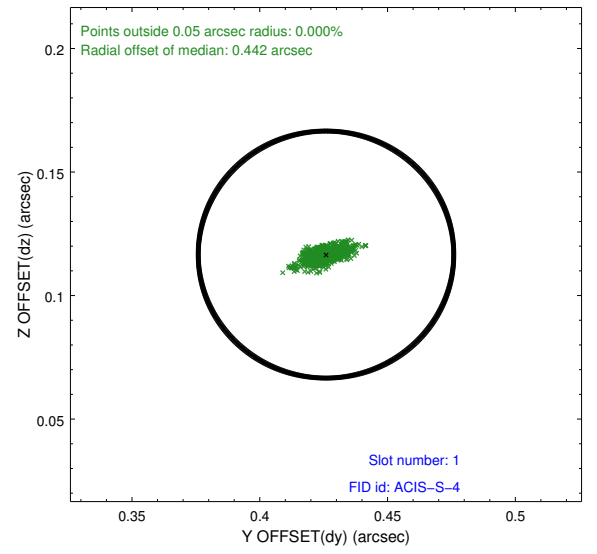
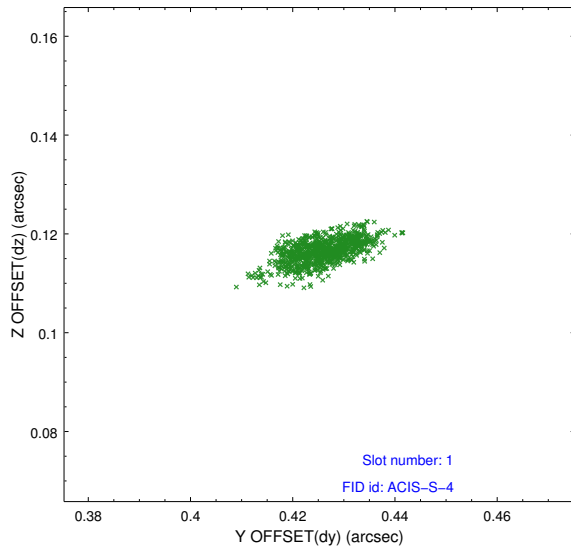


2.5 FID Slots

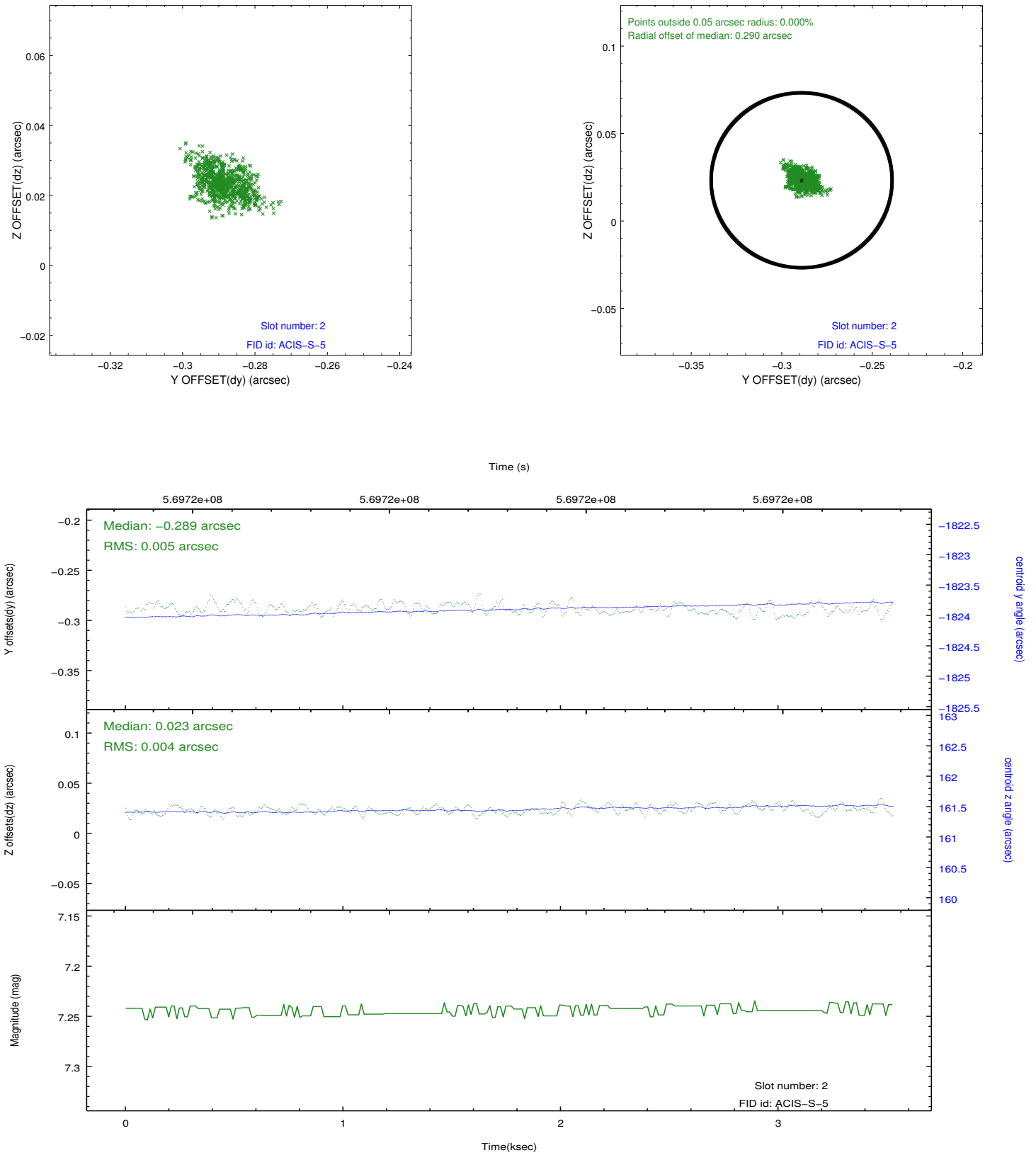
2.5.1 Slot 0



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)	2016.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4130874891281

A.2 Comments