

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18119 - L2 Version 1
Chandra X-Ray Center

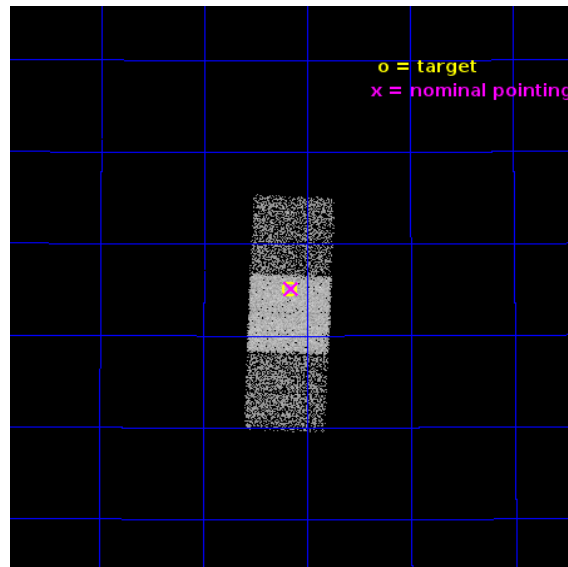
L2 Processing Date : Jan 3 2016

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1 Front

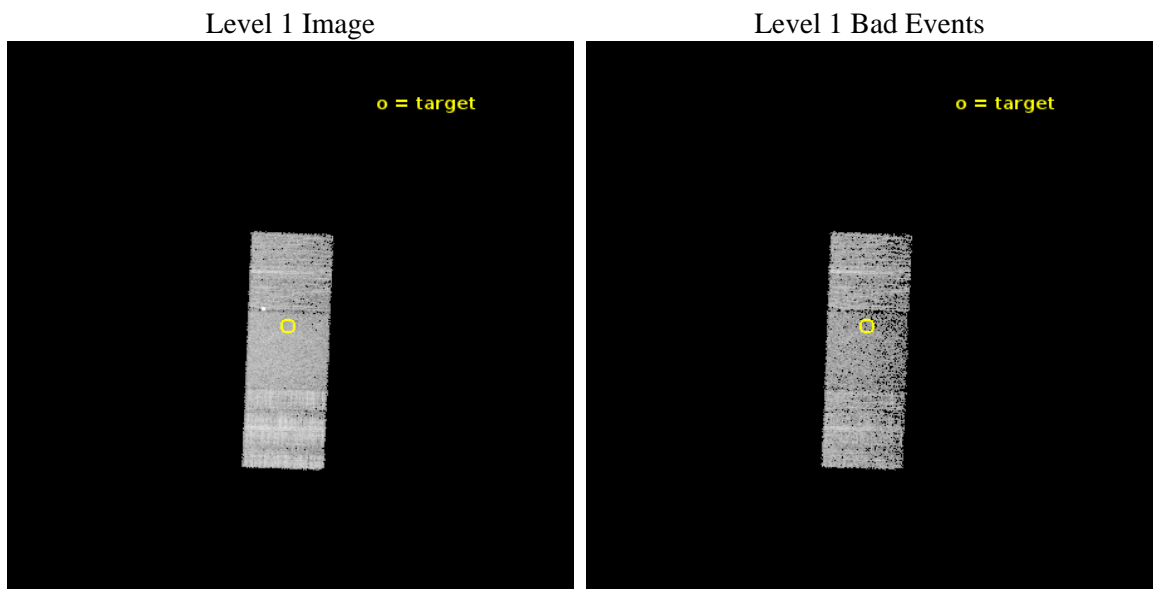
seq_num	703185	Sequence number
obs_id	18119	Observation id
title	Bridging the Gap Between Weak-Line and Typical Quasars	Proposal ti
observer	Prof. William Brandt	Principal investigator
object	SDSS J1104+4345	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.041667	Observer's specified target RA [deg]
dec_targ	43.751944	Observer's specified target Dec [deg]
ra_nom	166.03820437457	Nominal RA [deg]
dec_nom	43.752045213967	Nominal Dec [deg]
roll_nom	92.15907395767	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4612.482411027	Sum of GTIs [s]
livetime	4552.2169326667	Livetime [s]
ontime6	4612.4413710833	Sum of GTIs [s]
ontime7	4612.482411027	Sum of GTIs [s]
ontime8	4612.4003310204	Sum of GTIs [s]
l2events	21033	Number of level 2 events



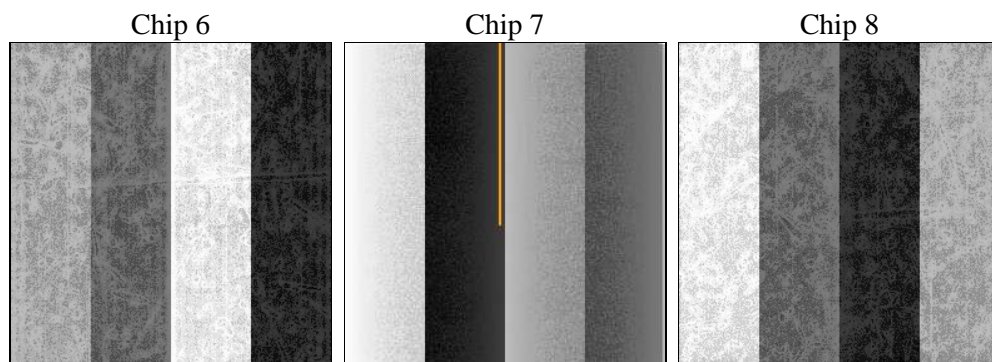
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4500.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	4612.482411027	Sum of GTIs [s]
caldsver	4.7.0	 	ontime6	4612.4413710833	Sum of GTIs [s]
date	2016-01-03T18:11:50	Date and time of file creation	ontime7	4612.482411027	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4612.4003310204	Sum of GTIs [s]
			l1events	121229	Number of level 1 events

2.1.4 Events

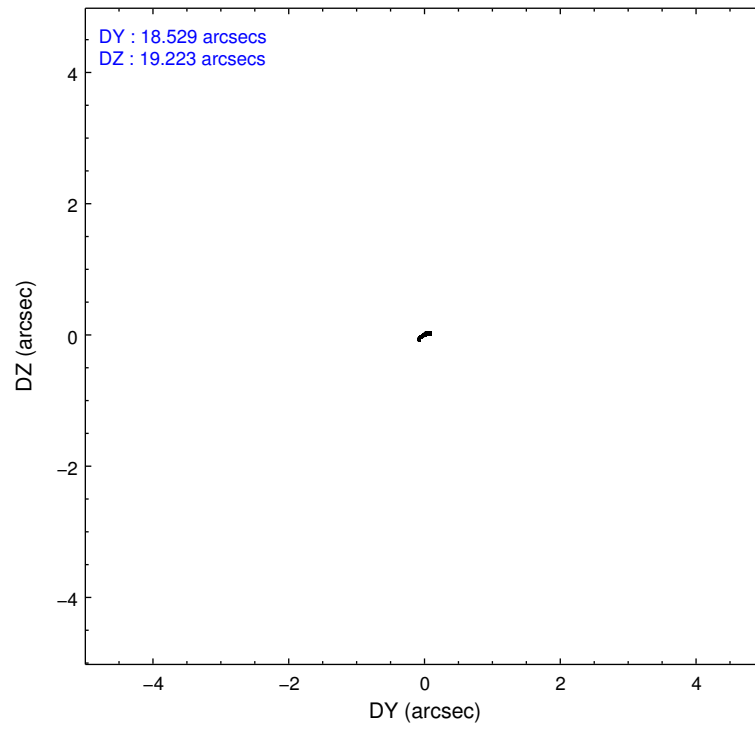
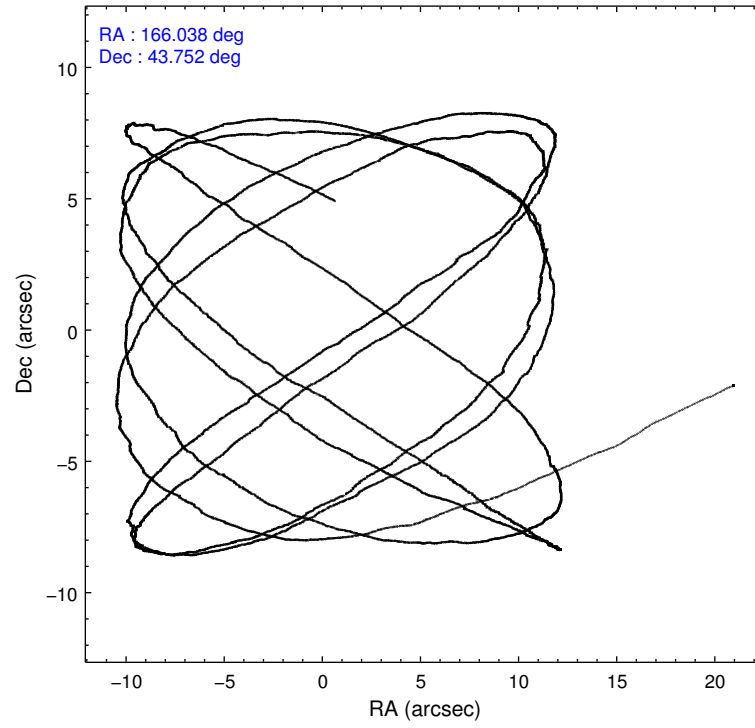
	ccd 6	ccd 7	ccd 8
level 1 events	31194	35547	54488
rejected events	26951	20080	29067
rejected %	86%	56%	53%

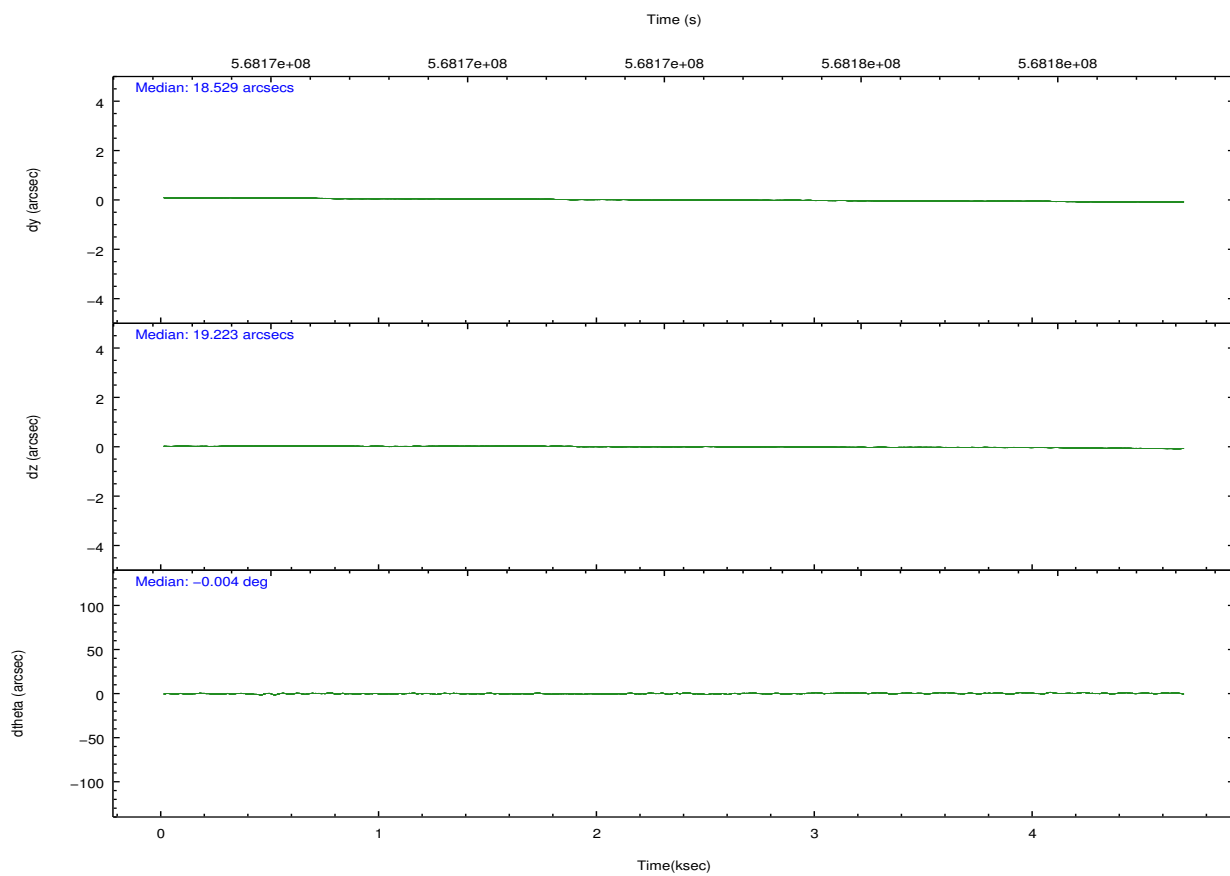
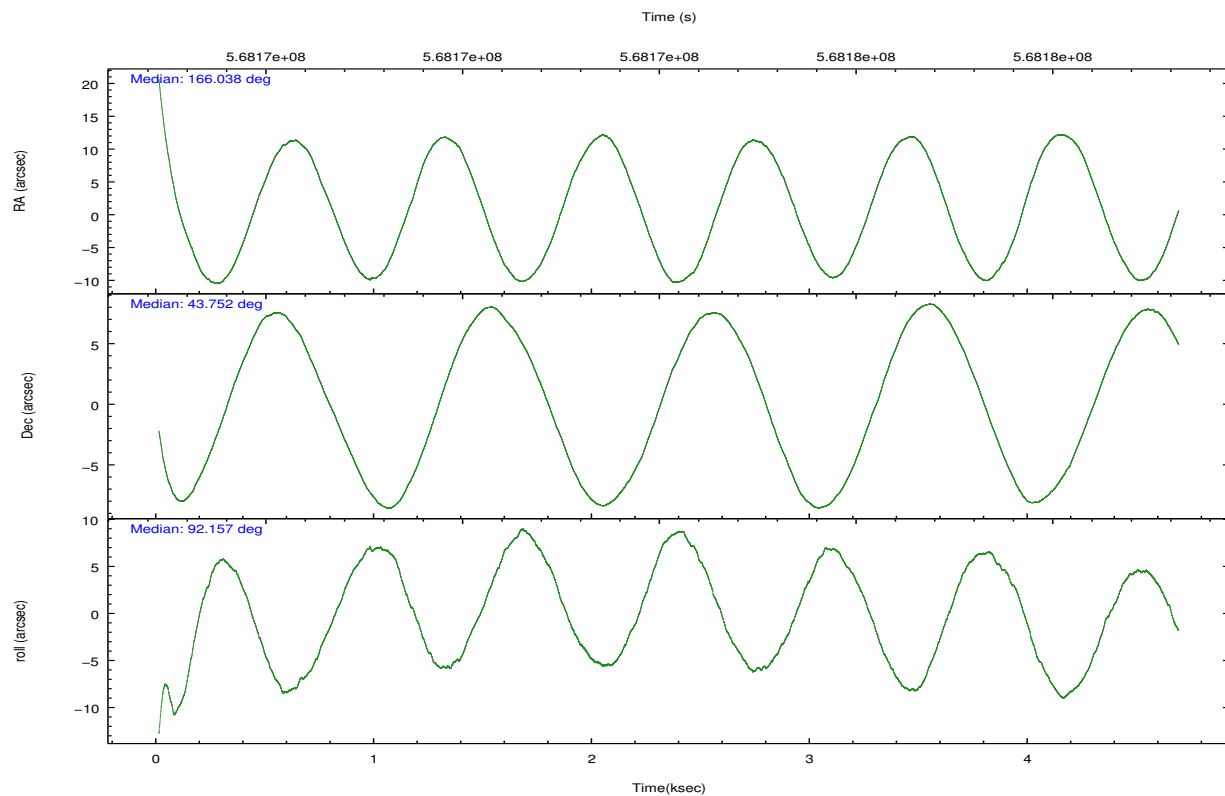
	ccd 6	ccd 7	ccd 8
grade 0 events	2047	1321	9309
	6%	3%	17%
grade 1 events	17	43	93
	0%	0%	0%
grade 2 events	869	3429	3745
	2%	9%	6%
grade 3 events	277	1160	4162
	0%	3%	7%
grade 4 events	285	1140	3811
	0%	3%	6%
grade 5 events	1160	3342	2062
	3%	9%	3%
grade 6 events	768	8432	4454
	2%	23%	8%
grade 7 events	25771	16680	26852
	82%	46%	49%

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	166.058993	166.0382043745652	Subarray requested	NONE	NONE
[deg] Pointing Dec	43.728964	43.75204521396706	Alternating exposures requested	N	N
[deg] Pointing Roll	91.988024	92.15907395767013	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	568171908.184000	568170772.33743			
Observation start date	2016-01-03T01:30:40	2016-01-03T01:12:52			
[s] Observation end time (MET)	568176408.184000	568177612.67532			
Observation end date	2016-01-03T02:45:40	2016-01-03T03:06:52			
Read mode	TIMED	TIMED			

2.3 Aspect



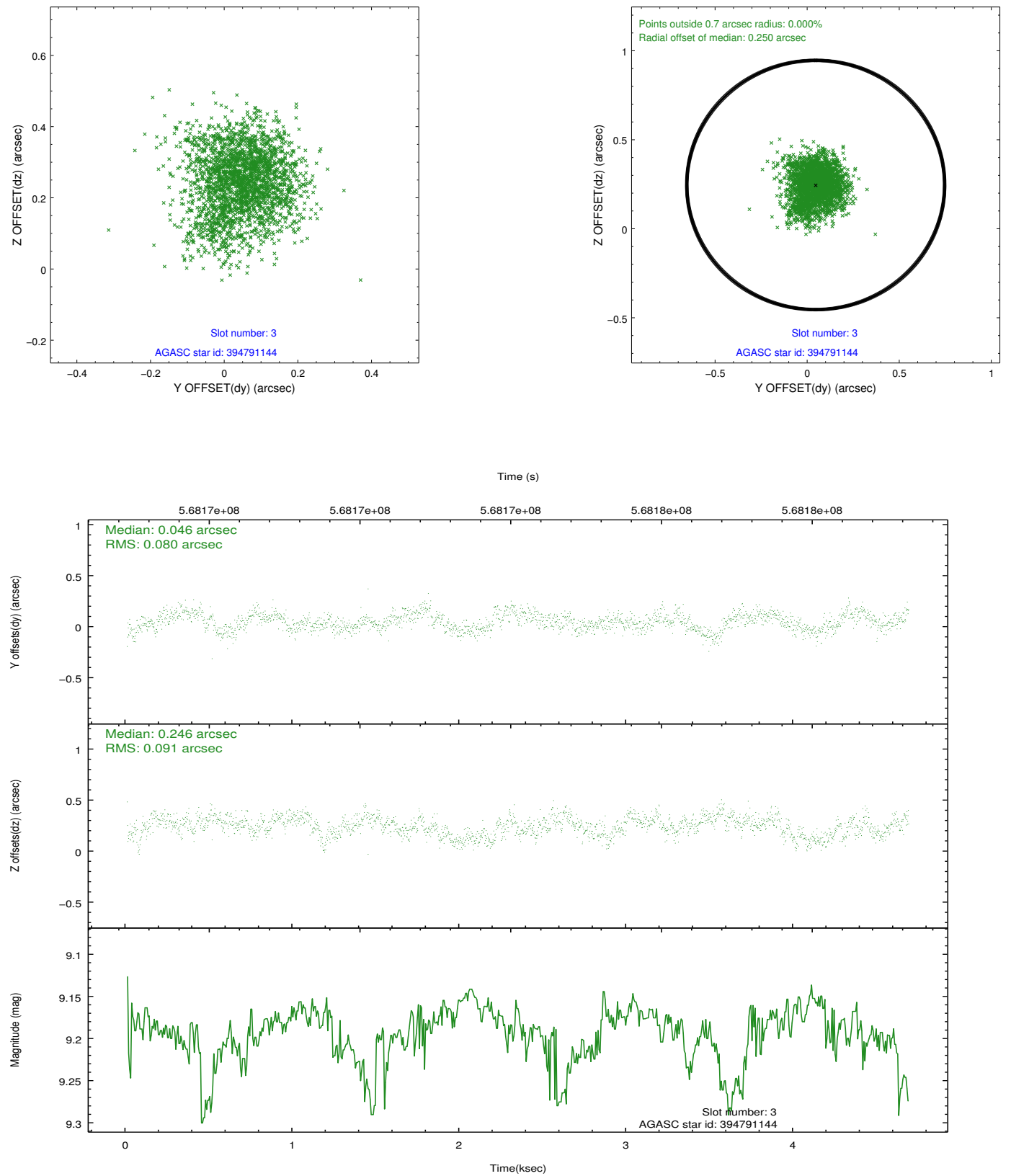


Slot Statistics

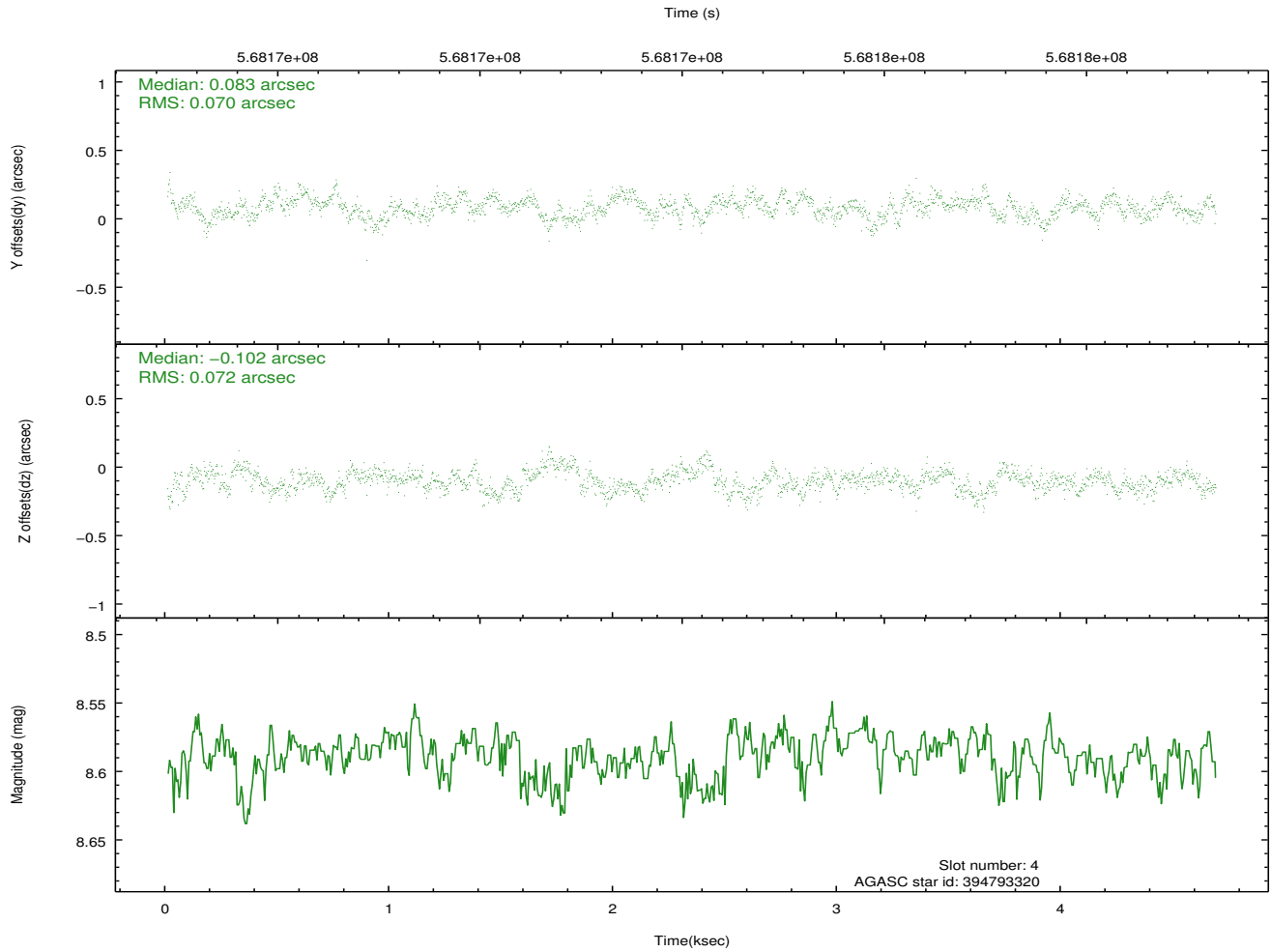
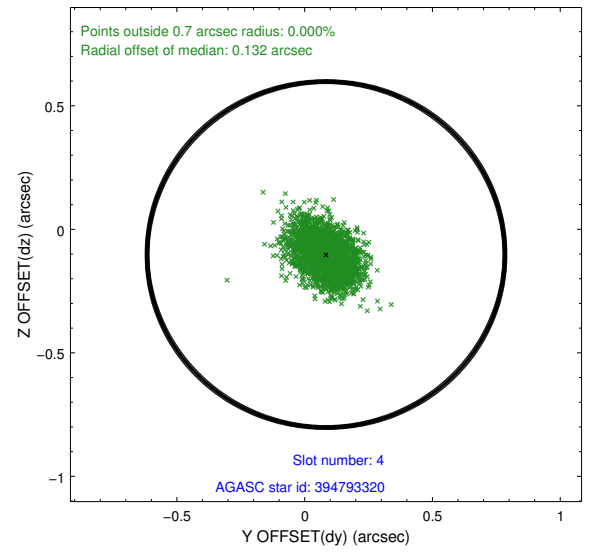
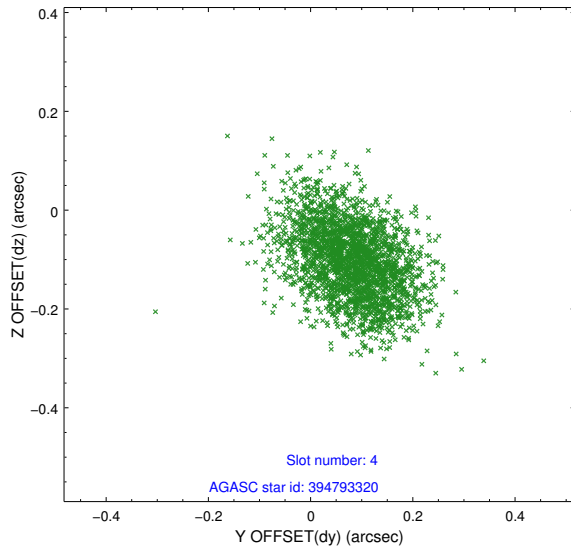
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.16	1142	-0.200	-0.157	0.008	0.013	0.000000	0.000000	-771.78	-1740.87
1	FID		ACIS-S-4	7.25	1142	0.504	0.138	0.006	0.010	0.000000	0.000000	2141.58	166.56
2	FID		ACIS-S-5	7.27	1142	-0.336	0.027	0.007	0.013	0.000000	0.000000	-1823.10	161.58
3	GUIDE	used	394791144	9.19	2284	0.046	0.246	0.131	0.205	166.095656	43.790275	217.32	-102.72
4	GUIDE	used	394793320	8.59	2284	0.083	-0.102	0.106	0.174	165.575919	43.483221	-836.89	1289.72
5	GUIDE	used	394794200	6.98	2284	-0.284	0.089	0.072	0.121	166.441446	44.301560	2027.68	-1055.68
6	GUIDE	used	394800896	8.75	2285	0.111	-0.134	0.115	0.188	165.341450	43.183197	-1889.46	1950.31
7	GUIDE	used	394794272	9.06	2284	0.051	-0.096	0.101	0.167	165.494302	43.370900	-1232.97	1522.04

2.4 Star Slots

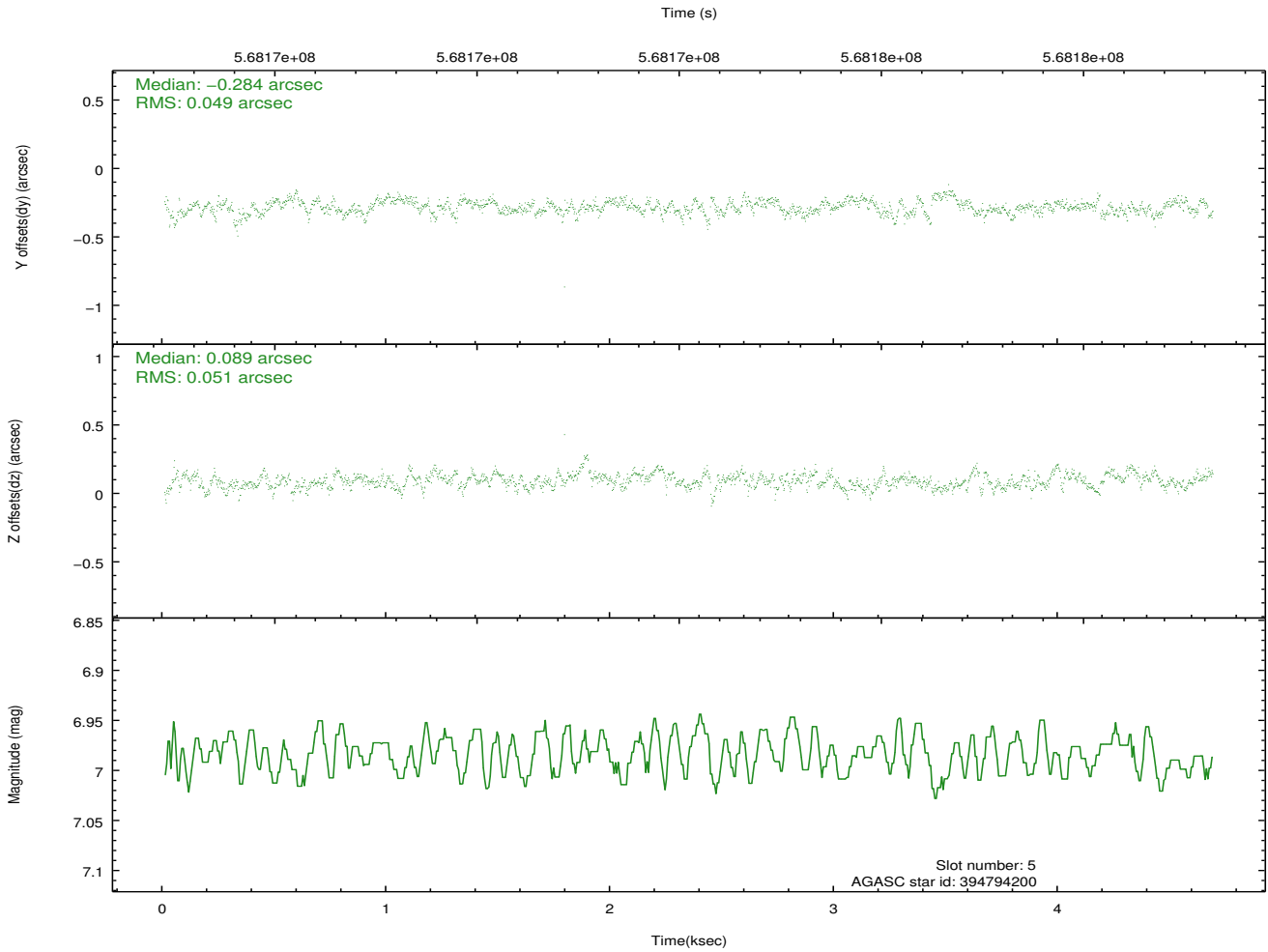
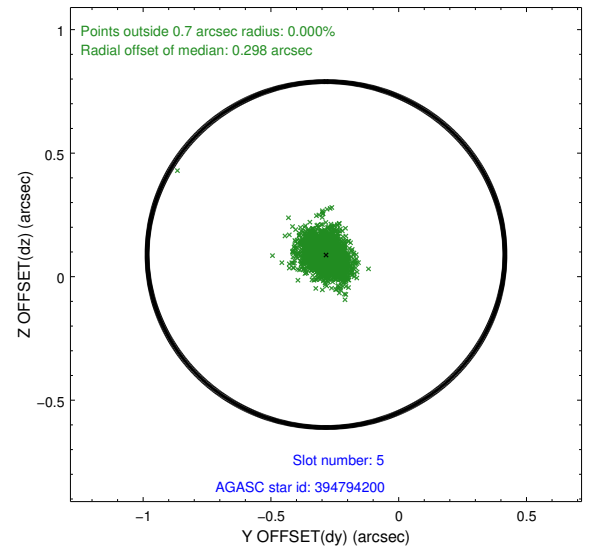
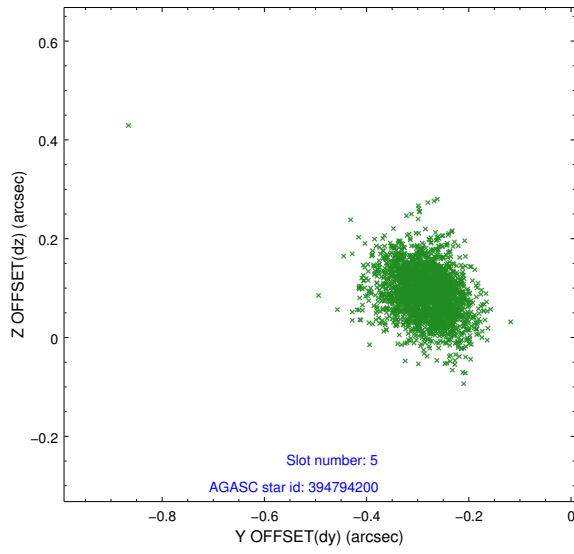
2.4.1 Slot 3



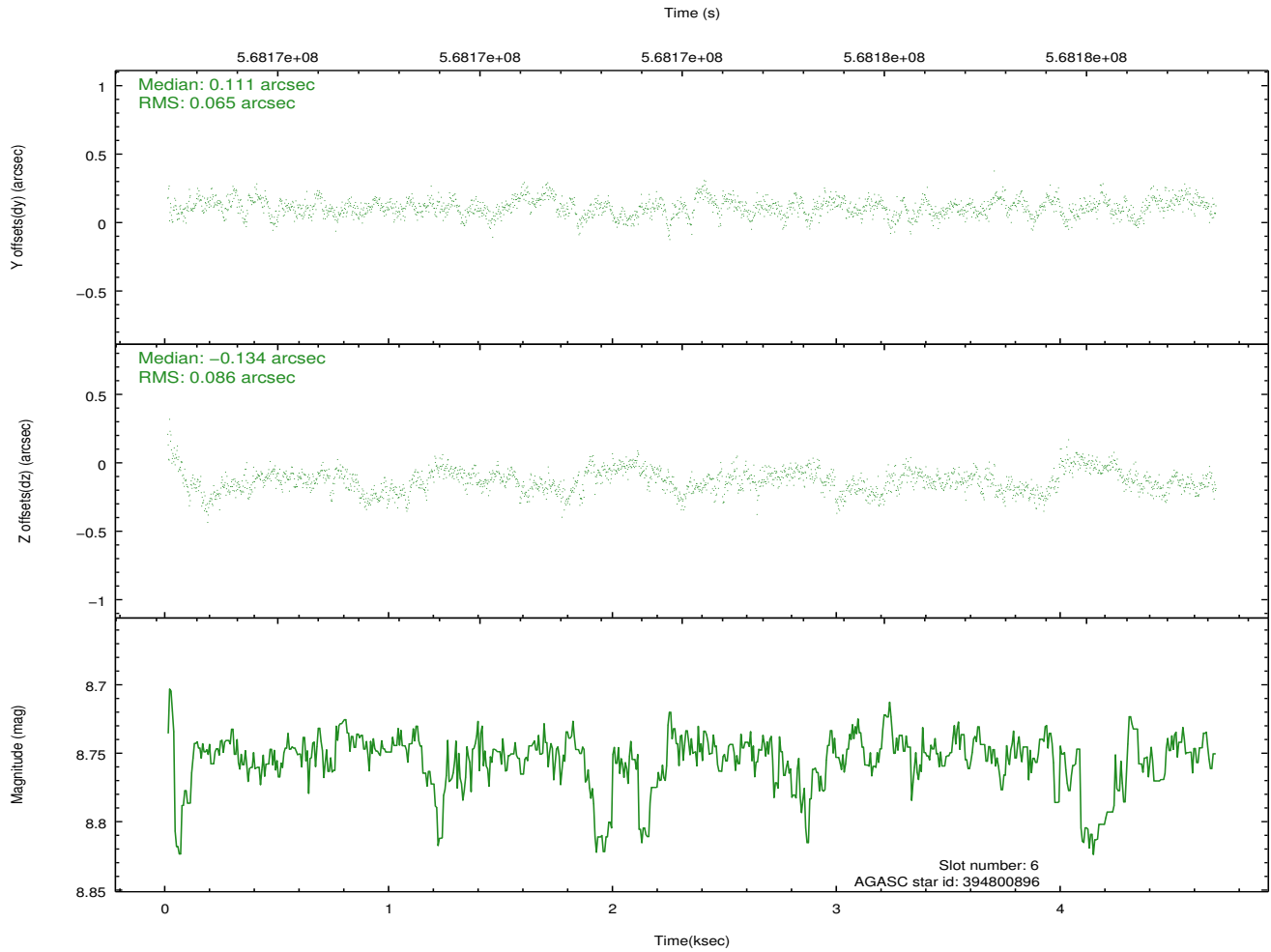
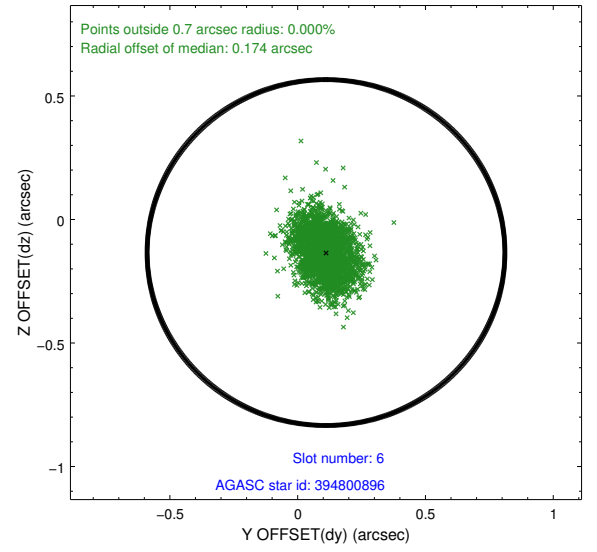
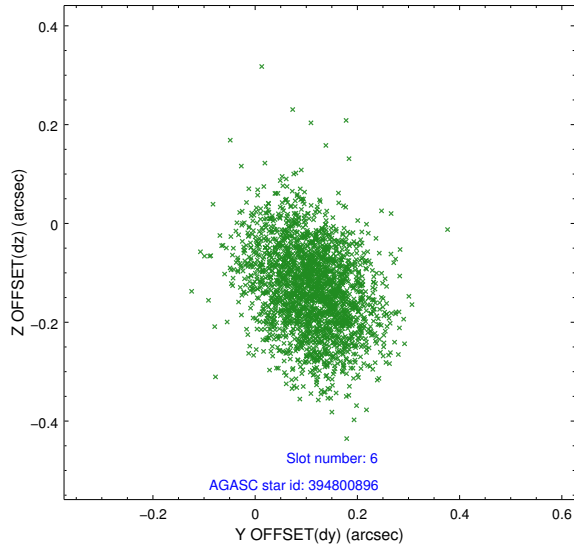
2.4.2 Slot 4



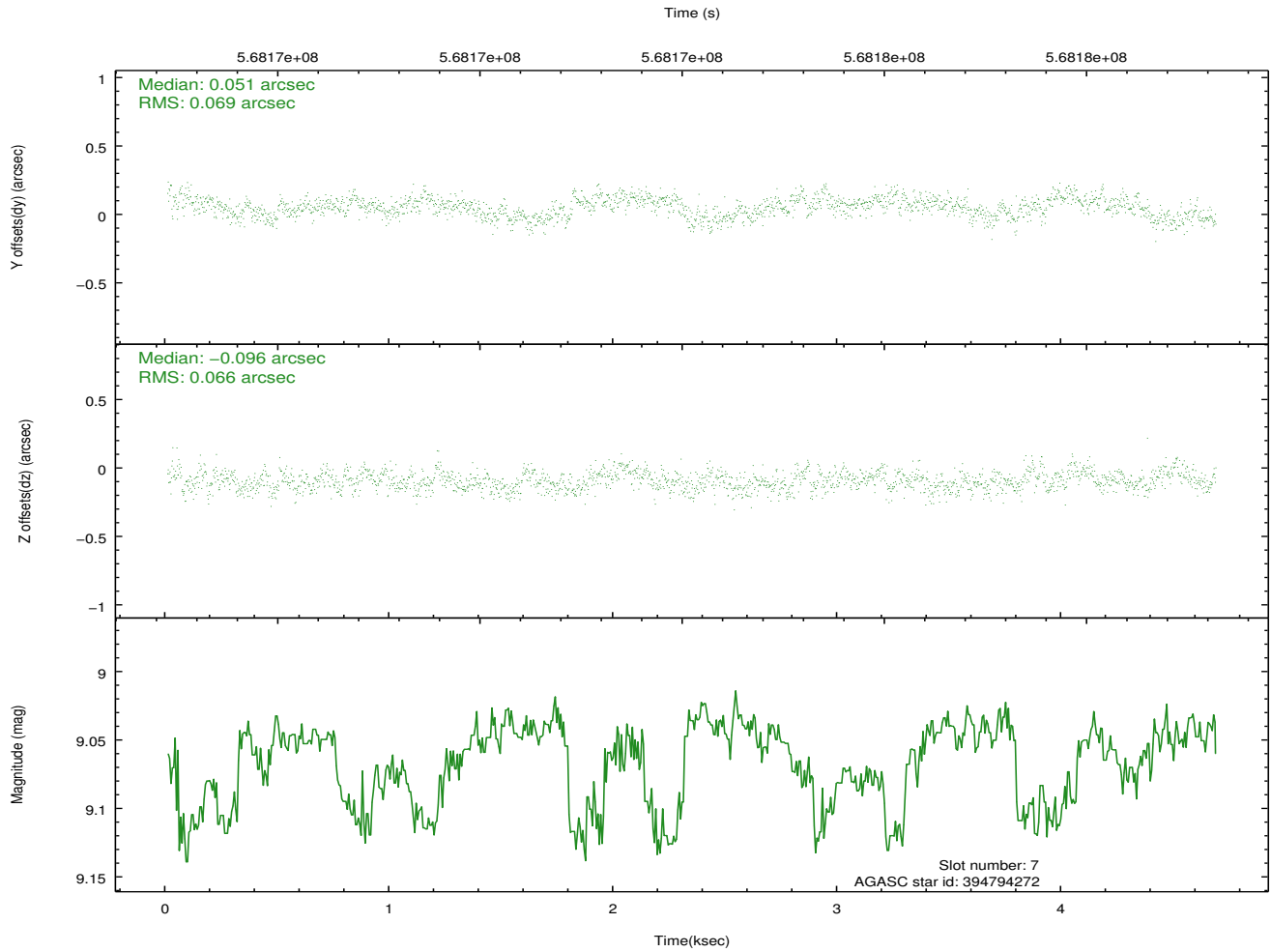
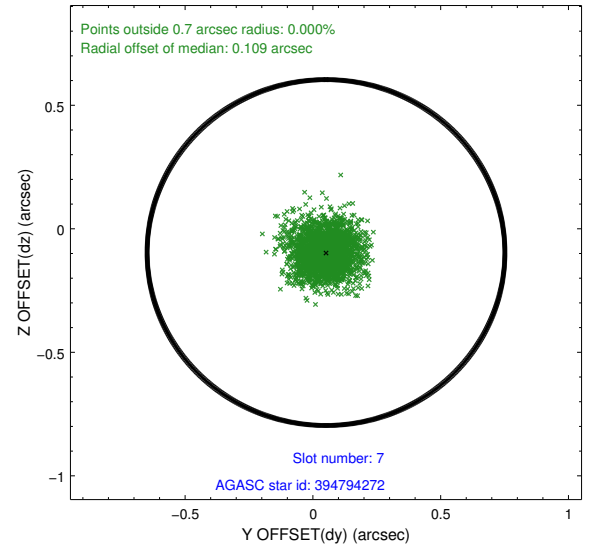
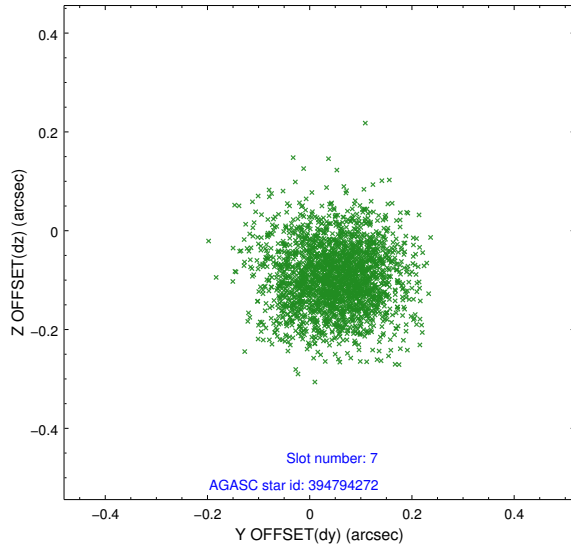
2.4.3 Slot 5



2.4.4 Slot 6

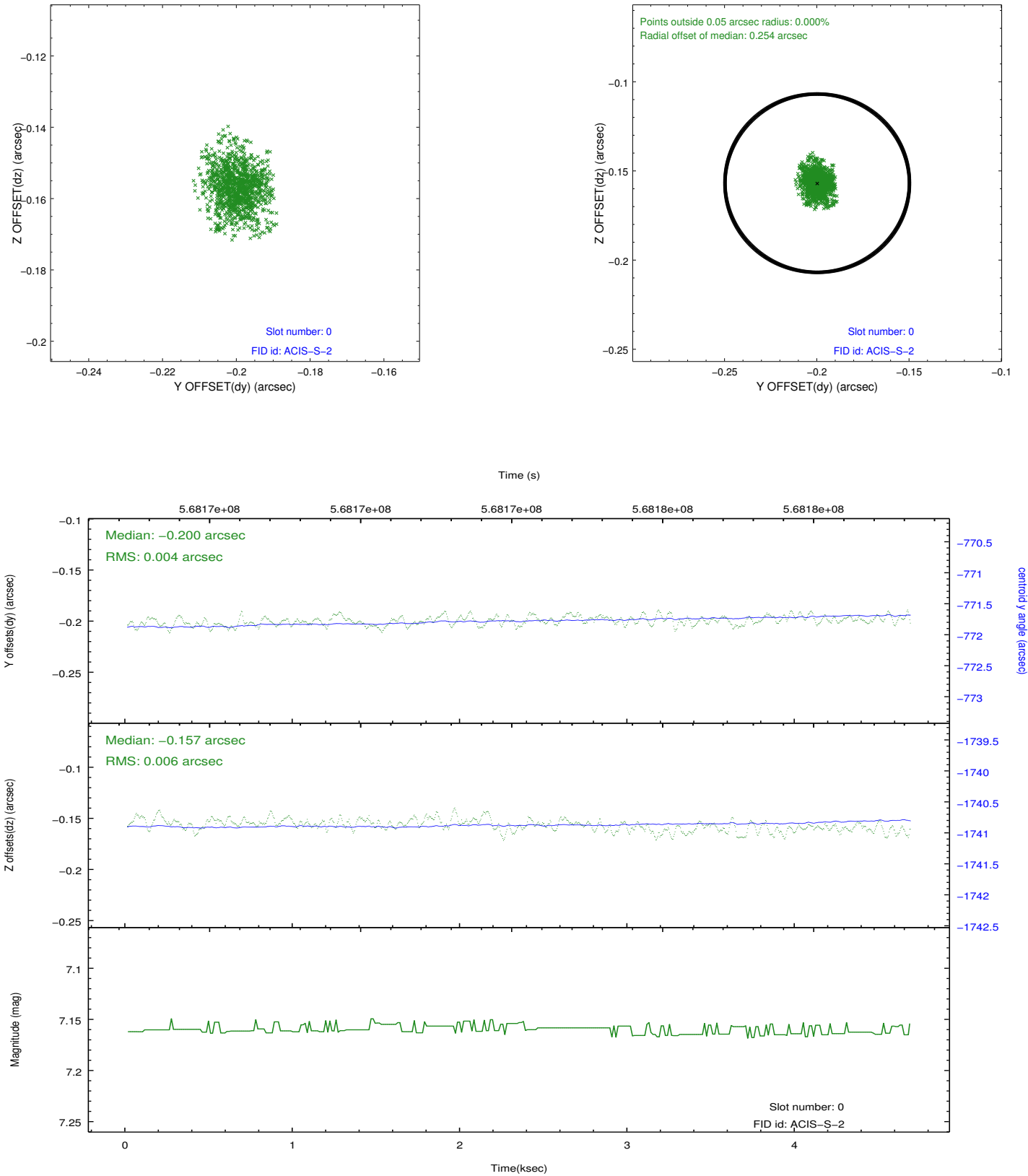


2.4.5 Slot 7

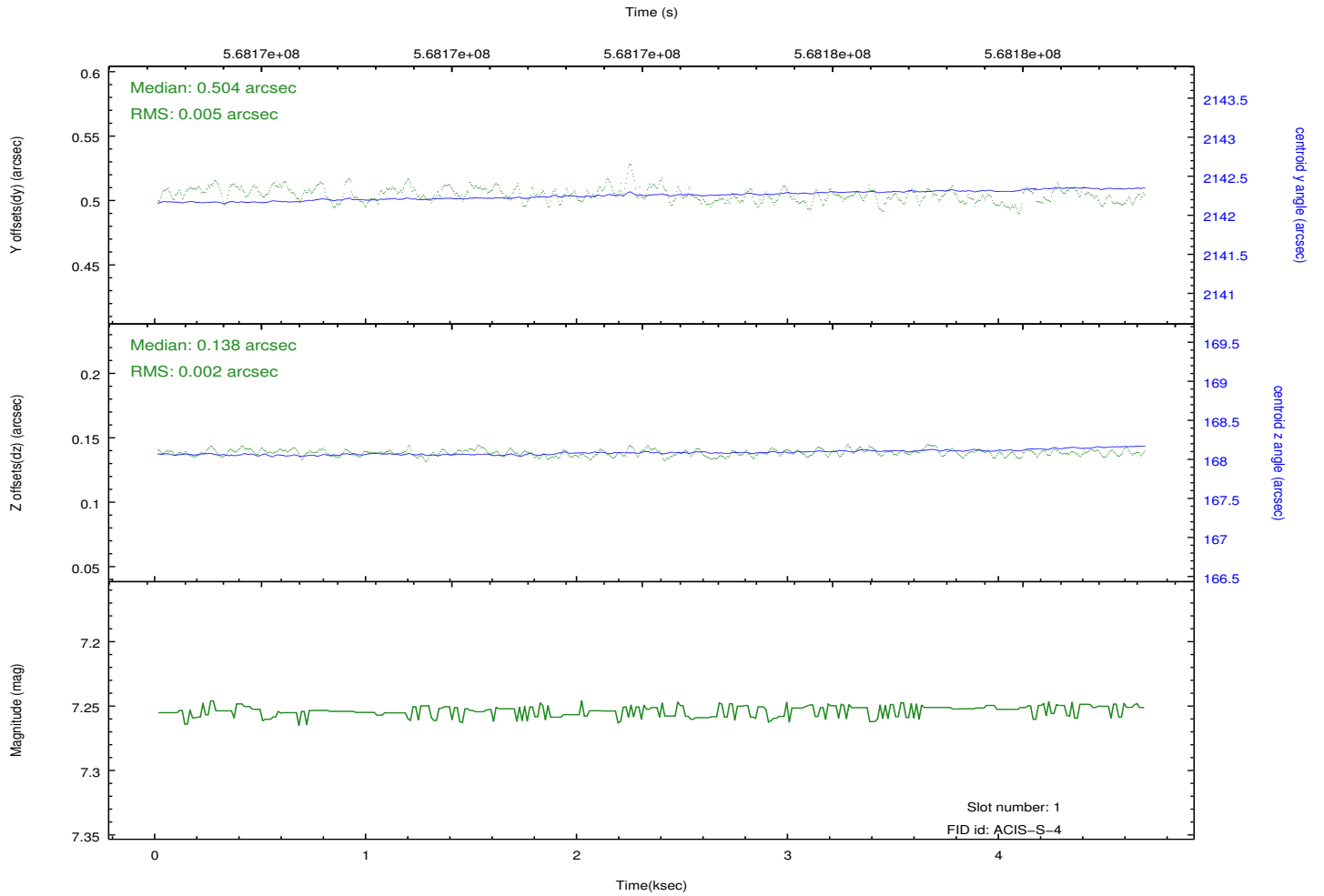
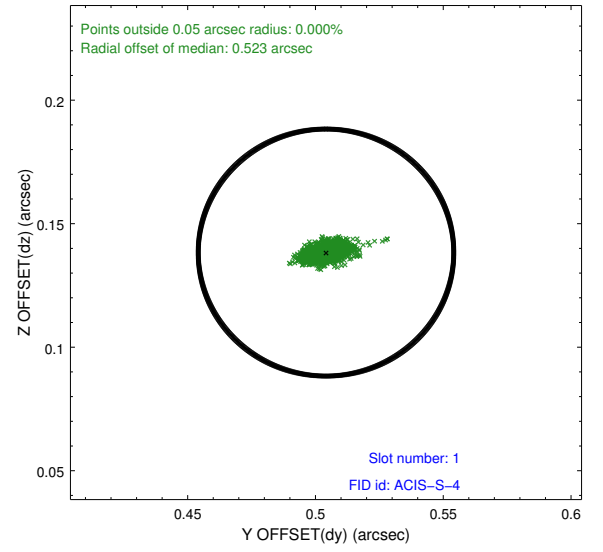
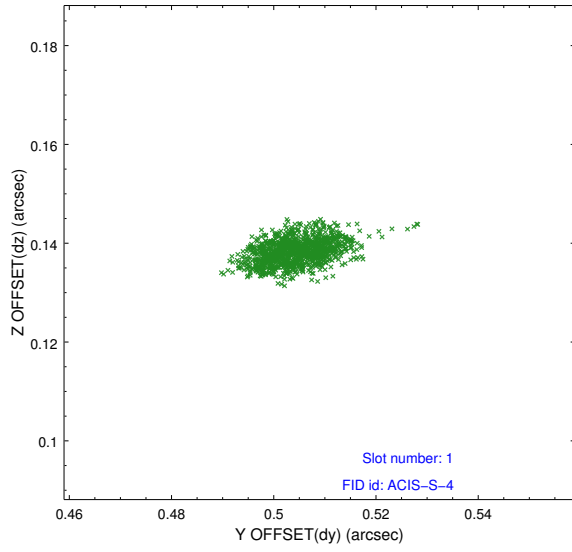


2.5 FID Slots

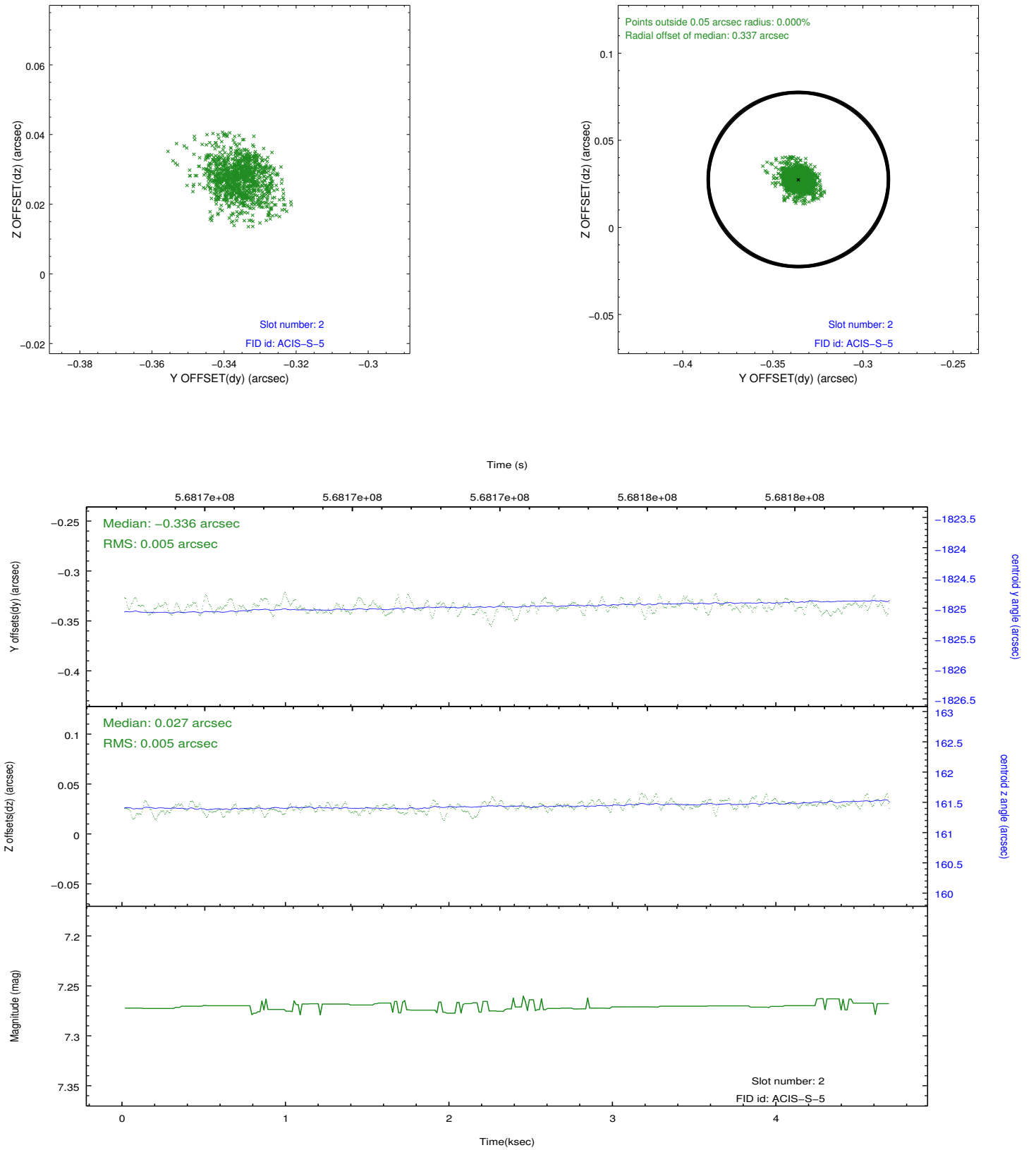
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2016.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.612482411027

A.2 Comments