

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18120 - L2 Version 1
Chandra X-Ray Center

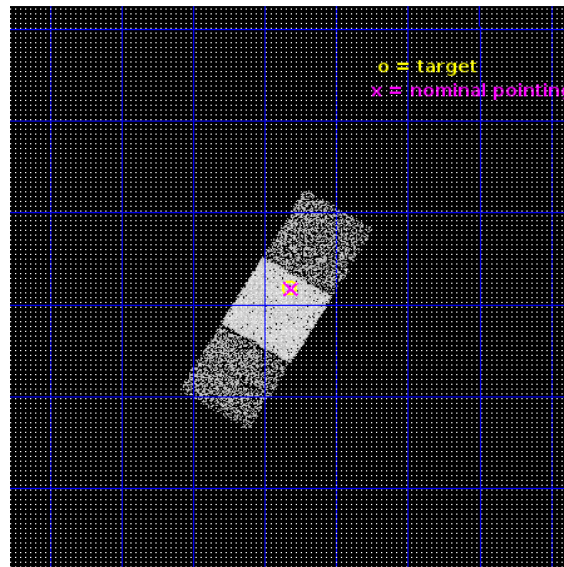
L2 Processing Date : Aug 15 2016

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1 Front

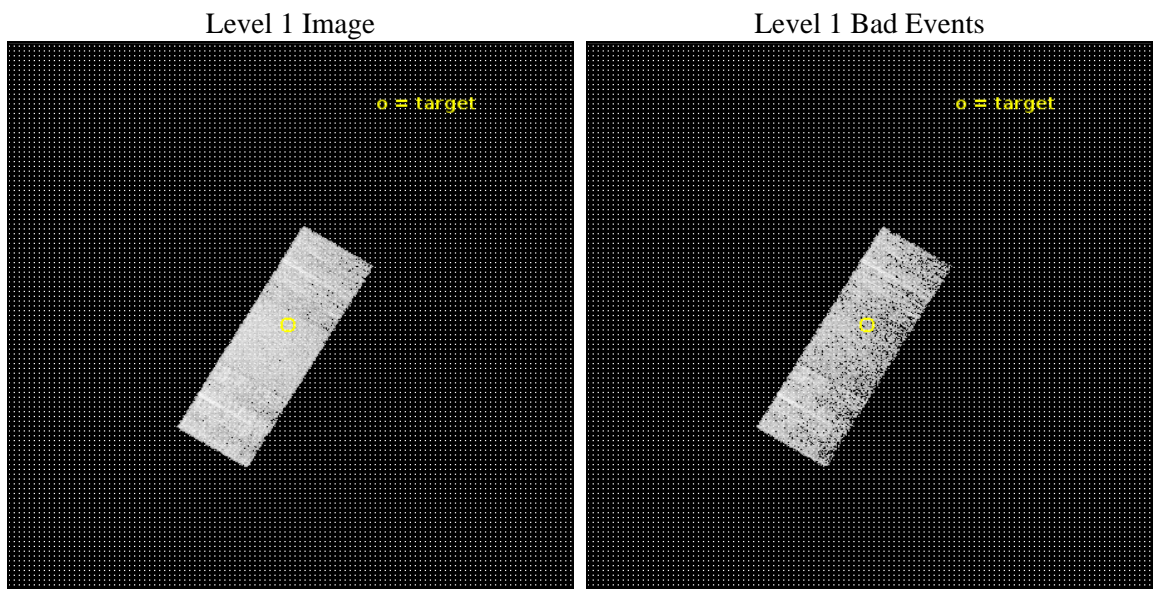
seq_num	703186	Sequence number
obs_id	18120	Observation id
title	Bridging the Gap Between Weak-Line and Typical Quasars	Proposal ti
observer	William Brandt	Principal investigator
object	SDSS J2325+0111	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	351.330417	Observer's specified target RA [deg]
dec_targ	1.196611	Observer's specified target Dec [deg]
ra_nom	351.32811827168	Nominal RA [deg]
dec_nom	1.1954602247324	Nominal Dec [deg]
roll_nom	121.00322413774	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4311.8715564013	Sum of GTIs [s]
livetime	4255.5337801632	Livetime [s]
ontime6	4311.8305164576	Sum of GTIs [s]
ontime7	4311.8715564013	Sum of GTIs [s]
ontime8	4311.7894763947	Sum of GTIs [s]
l2events	20311	Number of level 2 events



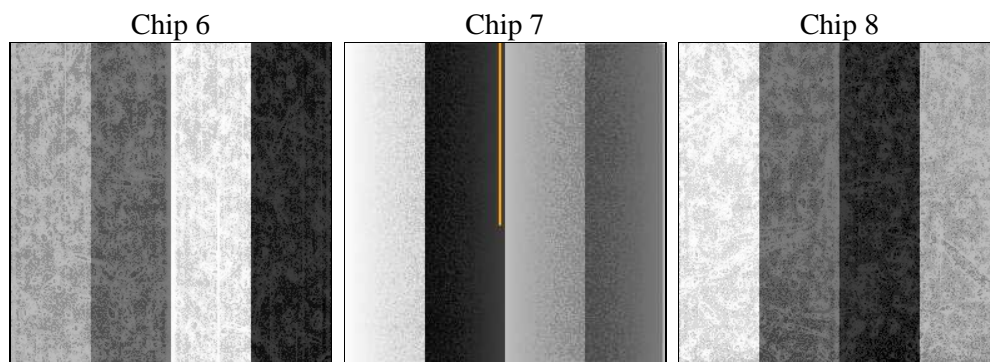
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4200.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	4311.8715564013	Sum of GTIs [s]
caldsver	4.7.2	 	ontime6	4311.8305164576	Sum of GTIs [s]
date	2016-08-15T12:02:31	Date and time of file creation	ontime7	4311.8715564013	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4311.7894763947	Sum of GTIs [s]
			l1events	98488	Number of level 1 events

2.1.4 Events

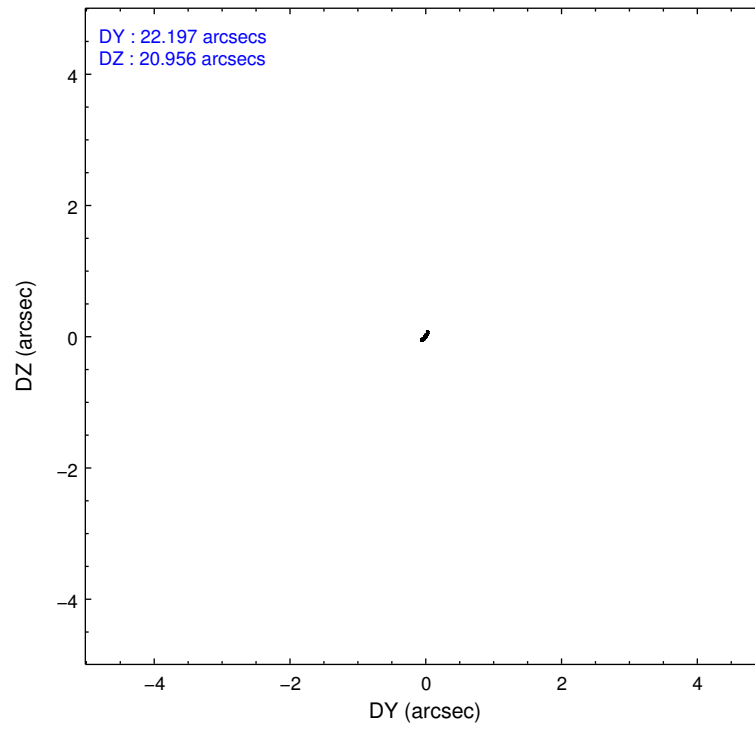
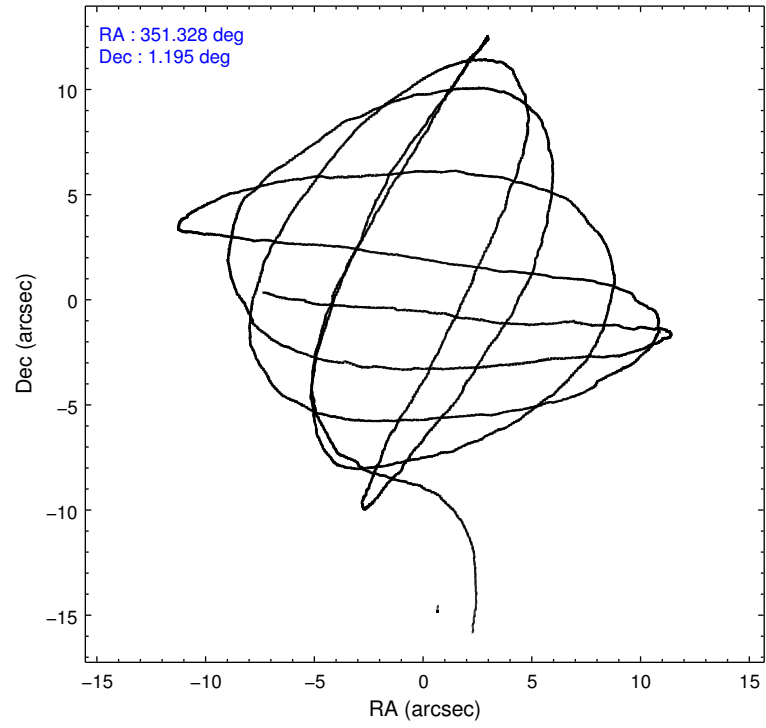
	ccd 6	ccd 7	ccd 8
level 1 events	27595	35445	35448
rejected events	24521	20222	26604
rejected %	88%	57%	75%

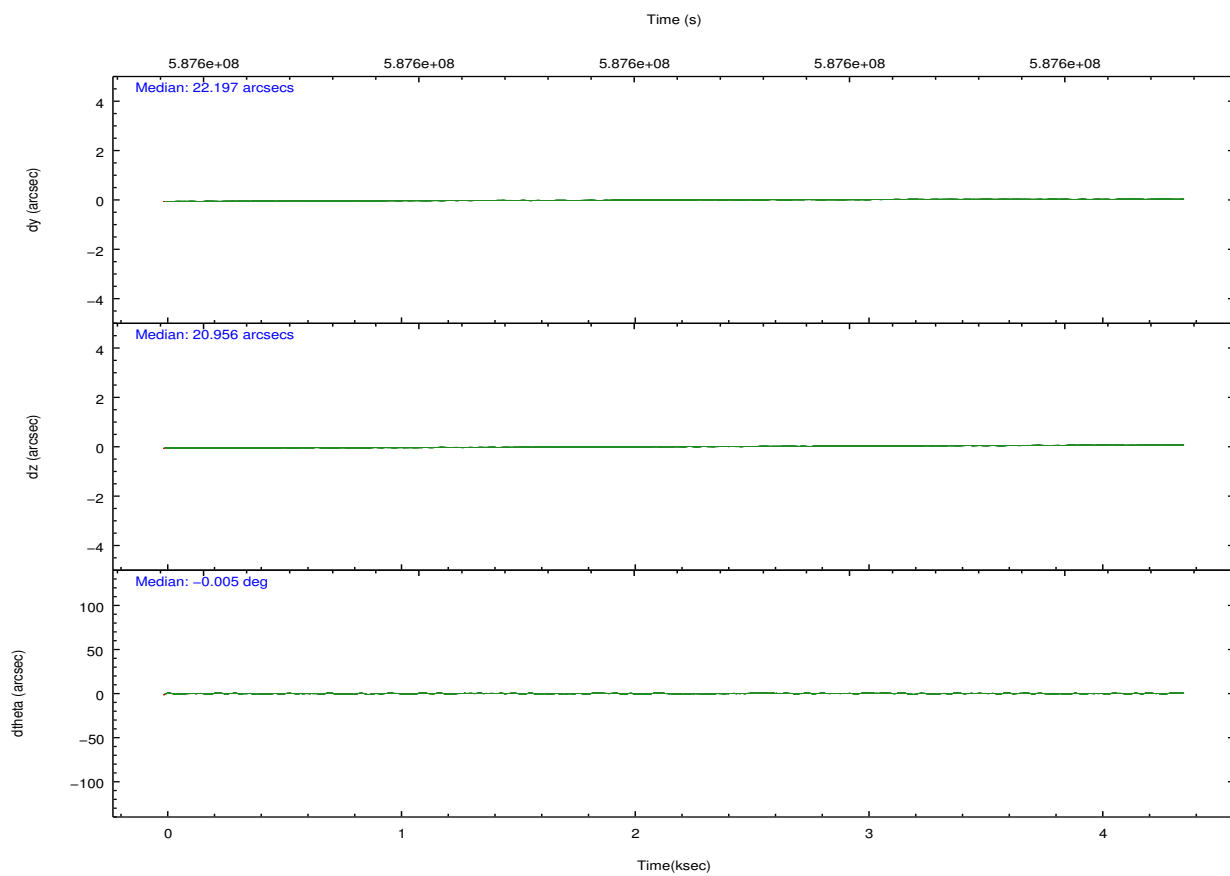
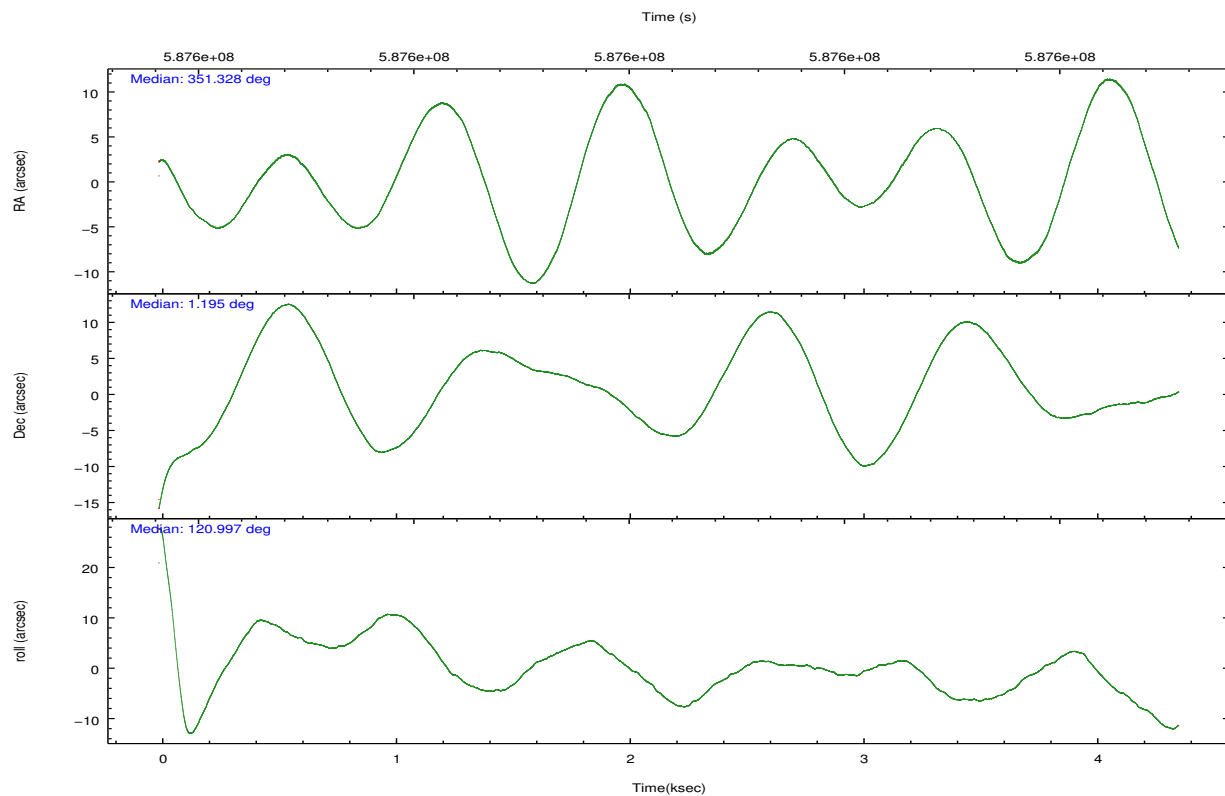
	ccd 6	ccd 7	ccd 8
grade 0 events	952	1196	2360
	3%	3%	6%
grade 1 events	12	42	33
	0%	0%	0%
grade 2 events	757	3260	2256
	2%	9%	6%
grade 3 events	283	1170	867
	1%	3%	2%
grade 4 events	265	1108	810
	0%	3%	2%
grade 5 events	1190	3325	1886
	4%	9%	5%
grade 6 events	819	8507	2553
	2%	24%	7%
grade 7 events	23317	16837	24683
	84%	47%	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	351.352281	351.3281182716792	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.182631	1.195460224732396	Alternating exposures requested	N	N
[deg] Pointing Roll	120.845935	121.0032241377372	[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)	587595155.184000	587594004.22023			
Observation start date	2016-08-14T20:51:27	2016-08-14T20:33:24			
[s] Observation end time (MET)	587599355.184000	587600310.53309			
Observation end date	2016-08-14T22:01:27	2016-08-14T22:18:30			
Read mode	TIMED	TIMED			

2.3 Aspect



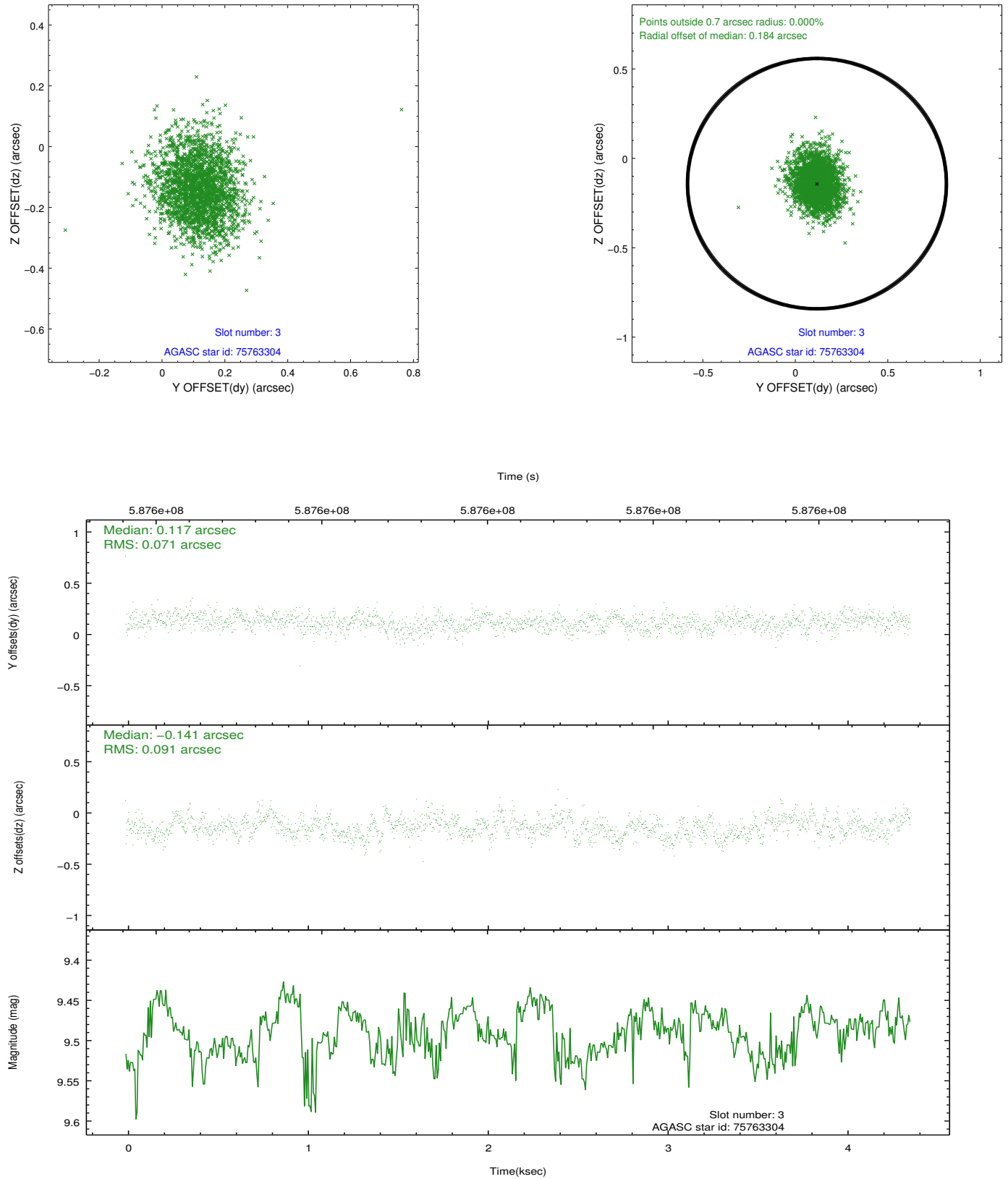


Slot Statistics

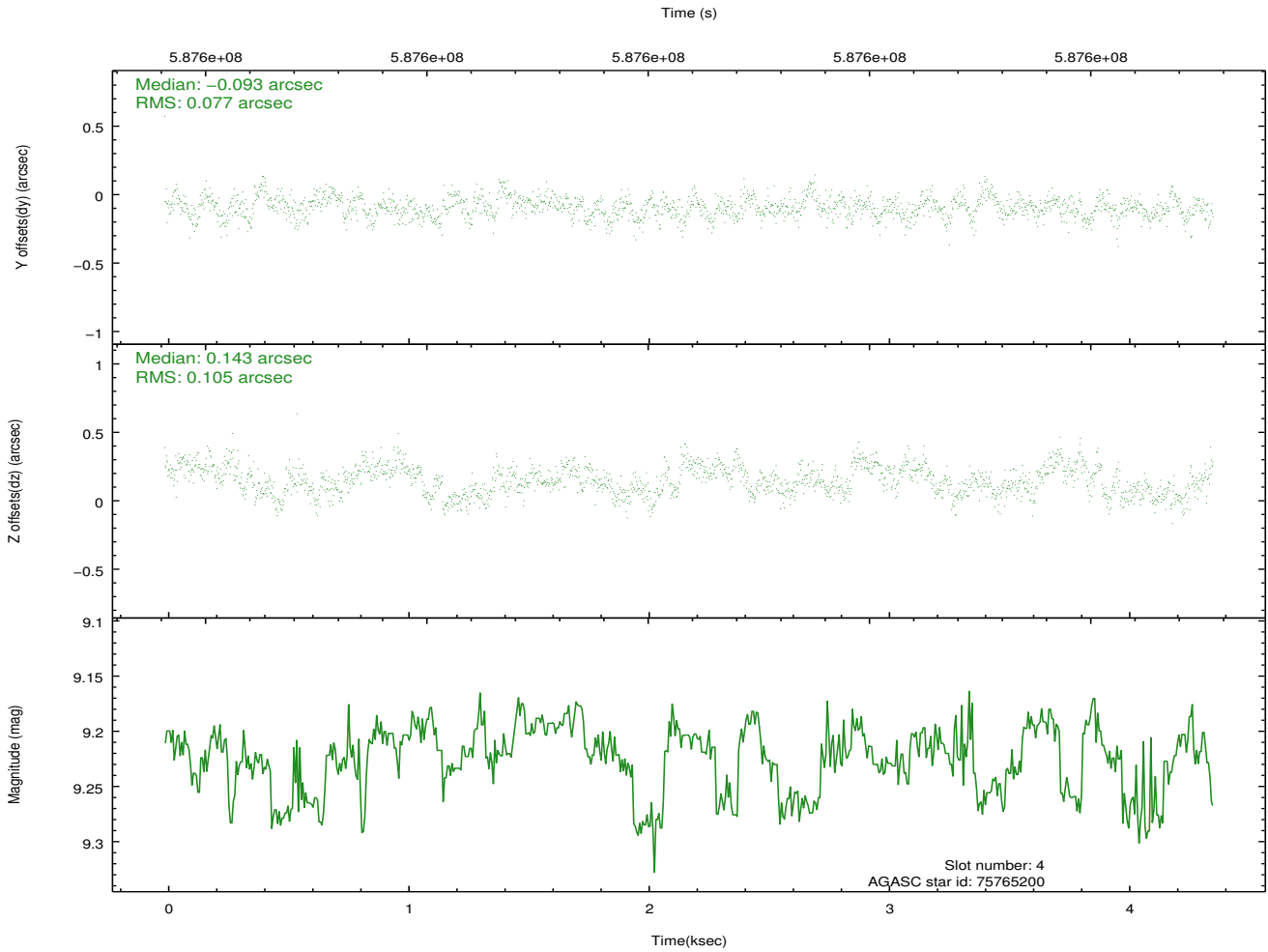
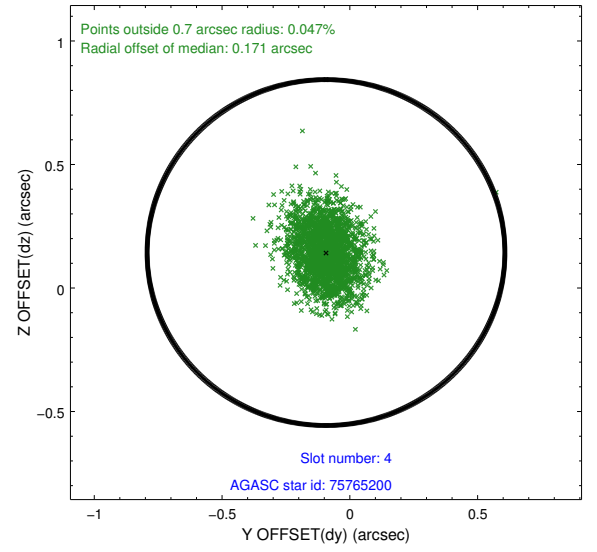
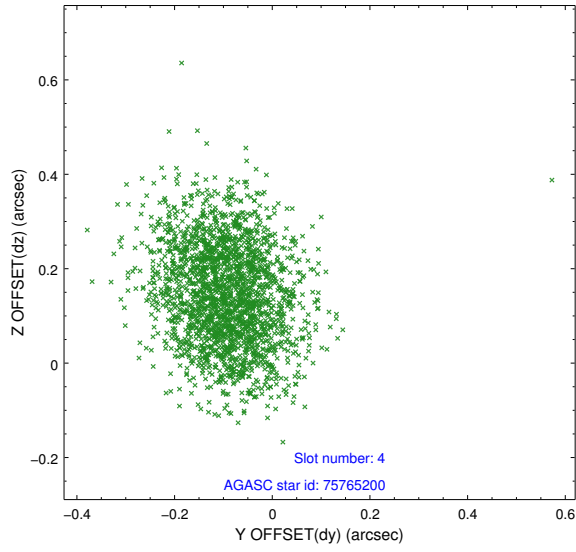
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.14	1065	-0.225	-0.142	0.007	0.012	0.000000	0.000000	-775.54	-1742.61
1	FID		ACIS-S-4	7.25	1065	0.528	0.147	0.004	0.009	0.000000	0.000000	2137.79	164.76
2	FID		ACIS-S-5	7.26	1065	-0.333	0.004	0.007	0.012	0.000000	0.000000	-1826.72	159.80
3	GUIDE	used	75763304	9.49	2124	0.117	-0.141	0.120	0.200	351.644593	1.226144	-403.40	-982.93
4	GUIDE	used	75765200	9.22	2129	-0.093	0.143	0.138	0.222	351.702251	1.696489	942.38	-2029.51
5	GUIDE	used	75769320	9.77	2122	-0.089	-0.009	0.310	0.495	351.719154	1.302279	-305.05	-1355.95
6	GUIDE	used	75770840	6.17	2129	-0.047	-0.018	0.120	0.181	351.811642	1.122607	-1033.02	-1309.86
7	GUIDE	used	75764496	9.02	2125	0.108	0.025	0.168	0.262	351.852841	0.722290	-2345.93	-697.92

2.4 Star Slots

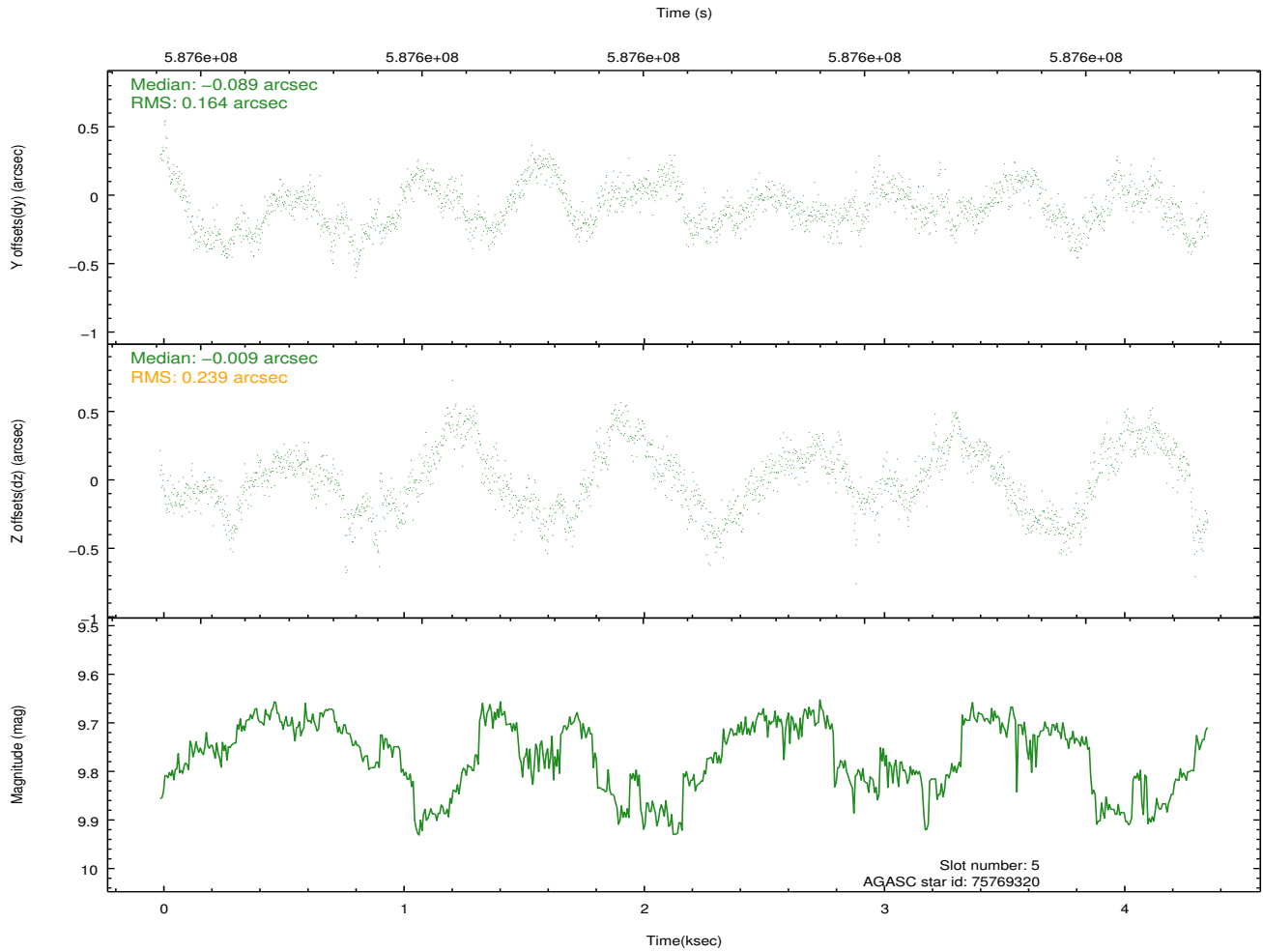
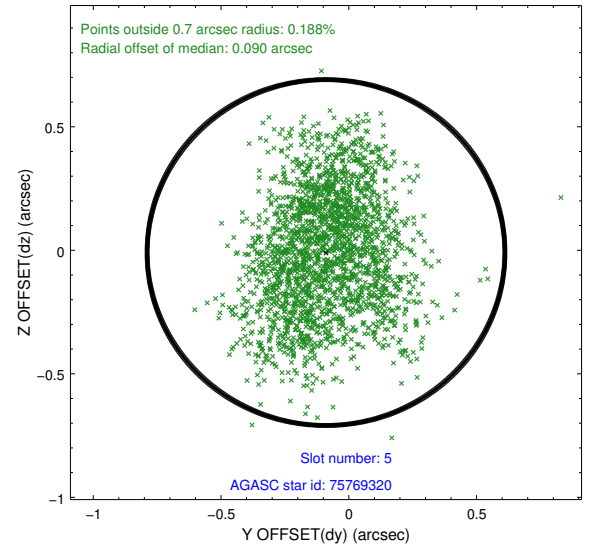
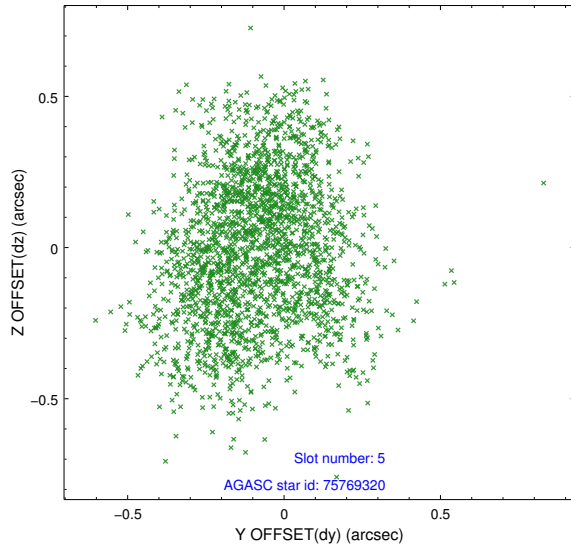
2.4.1 Slot 3



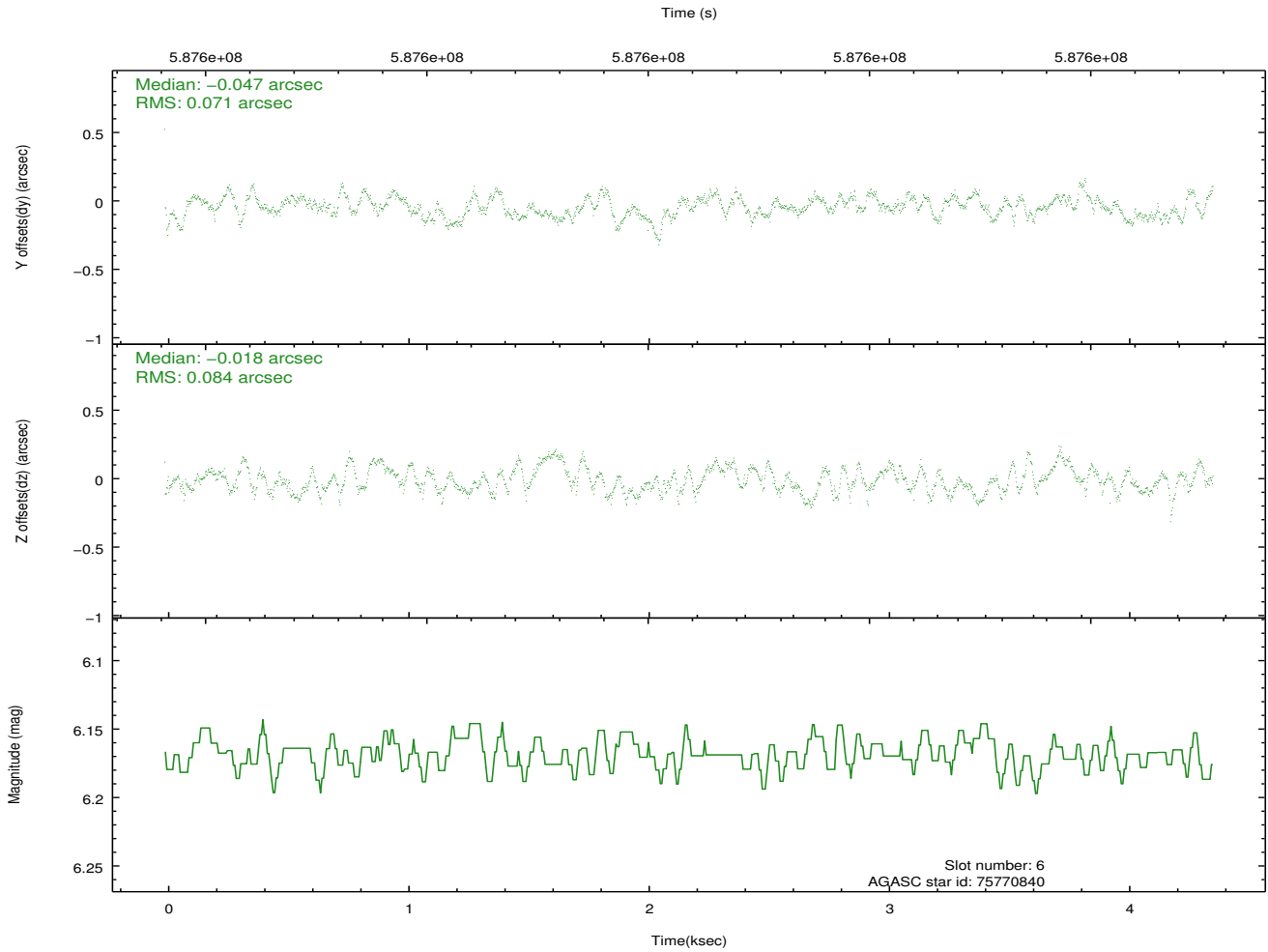
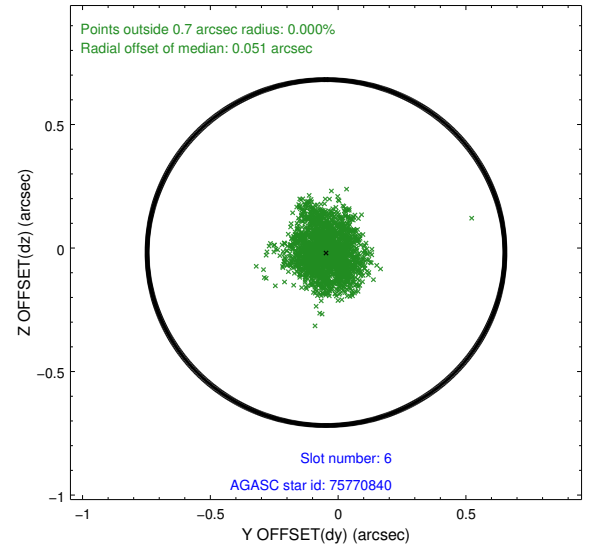
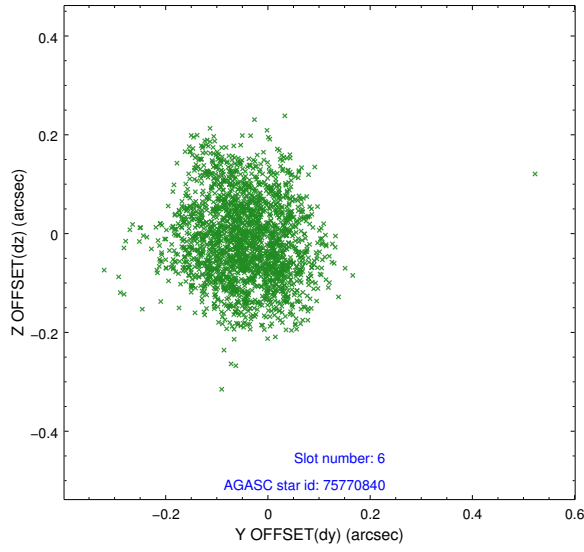
2.4.2 Slot 4



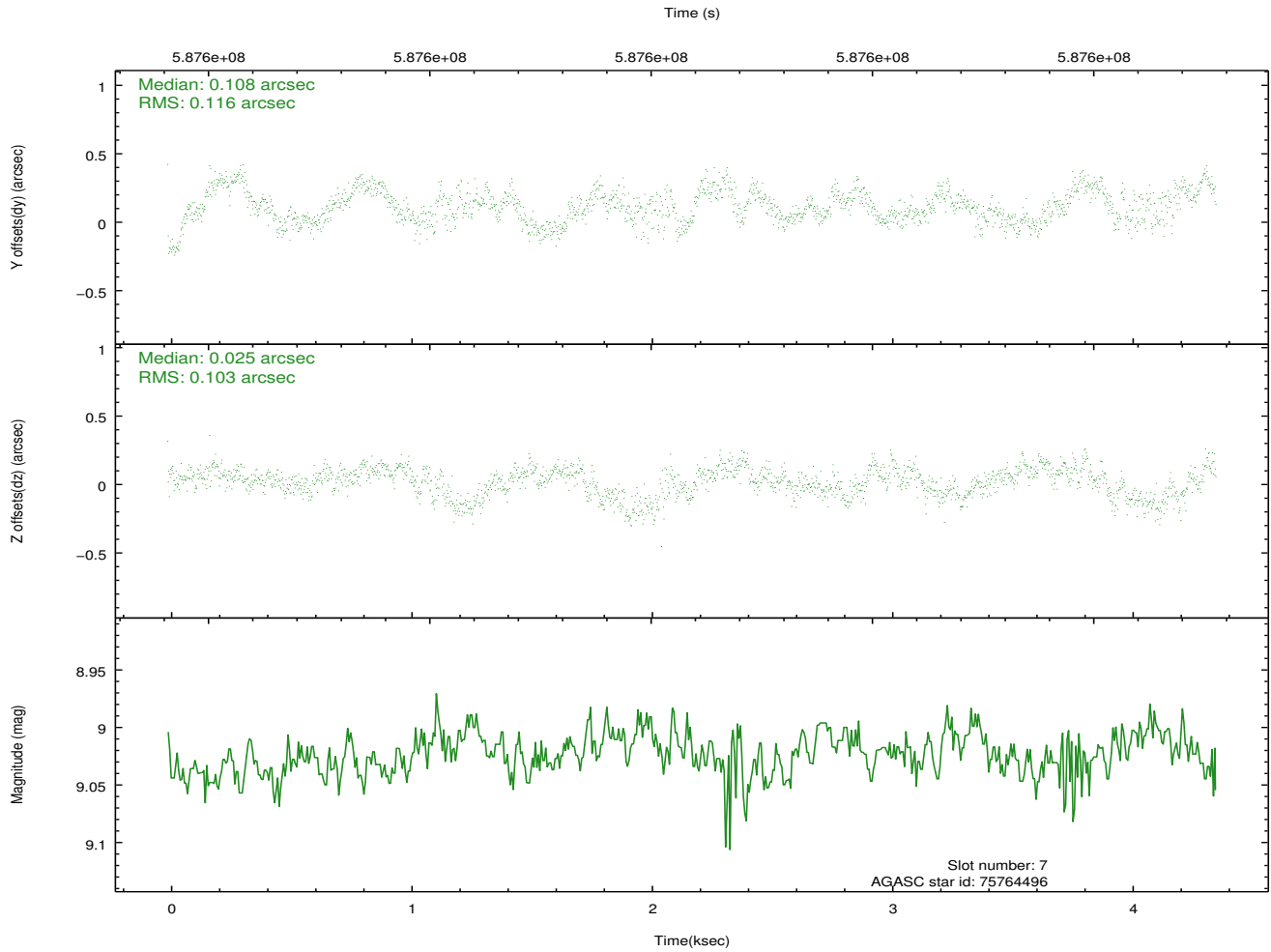
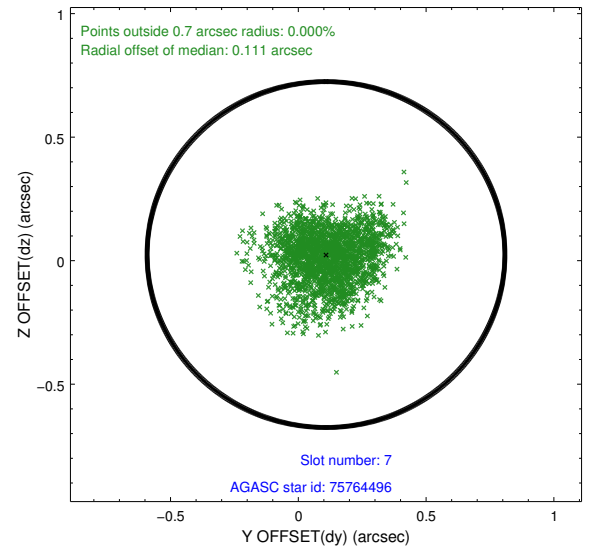
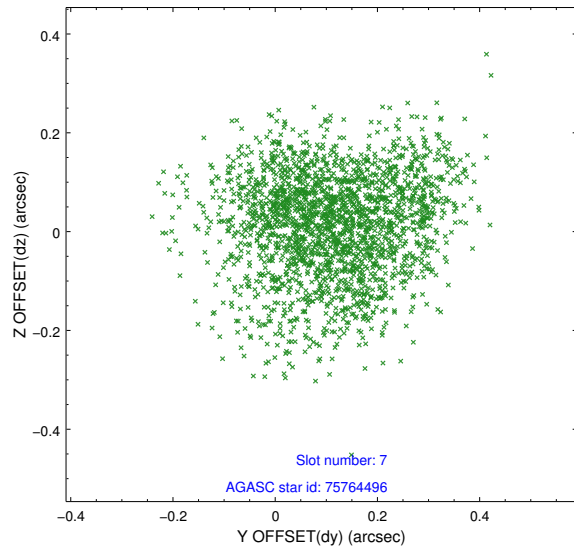
2.4.3 Slot 5



2.4.4 Slot 6

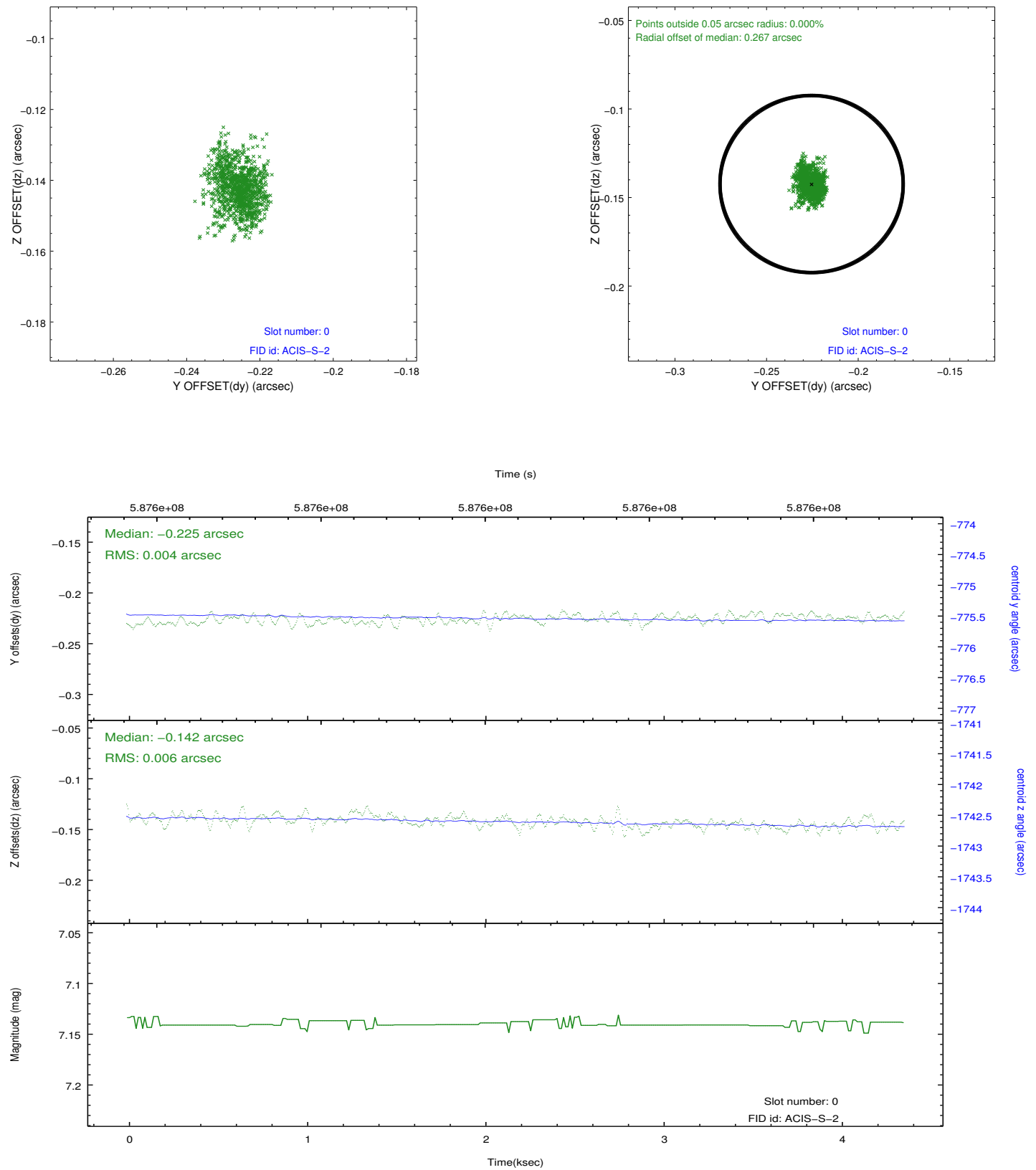


2.4.5 Slot 7

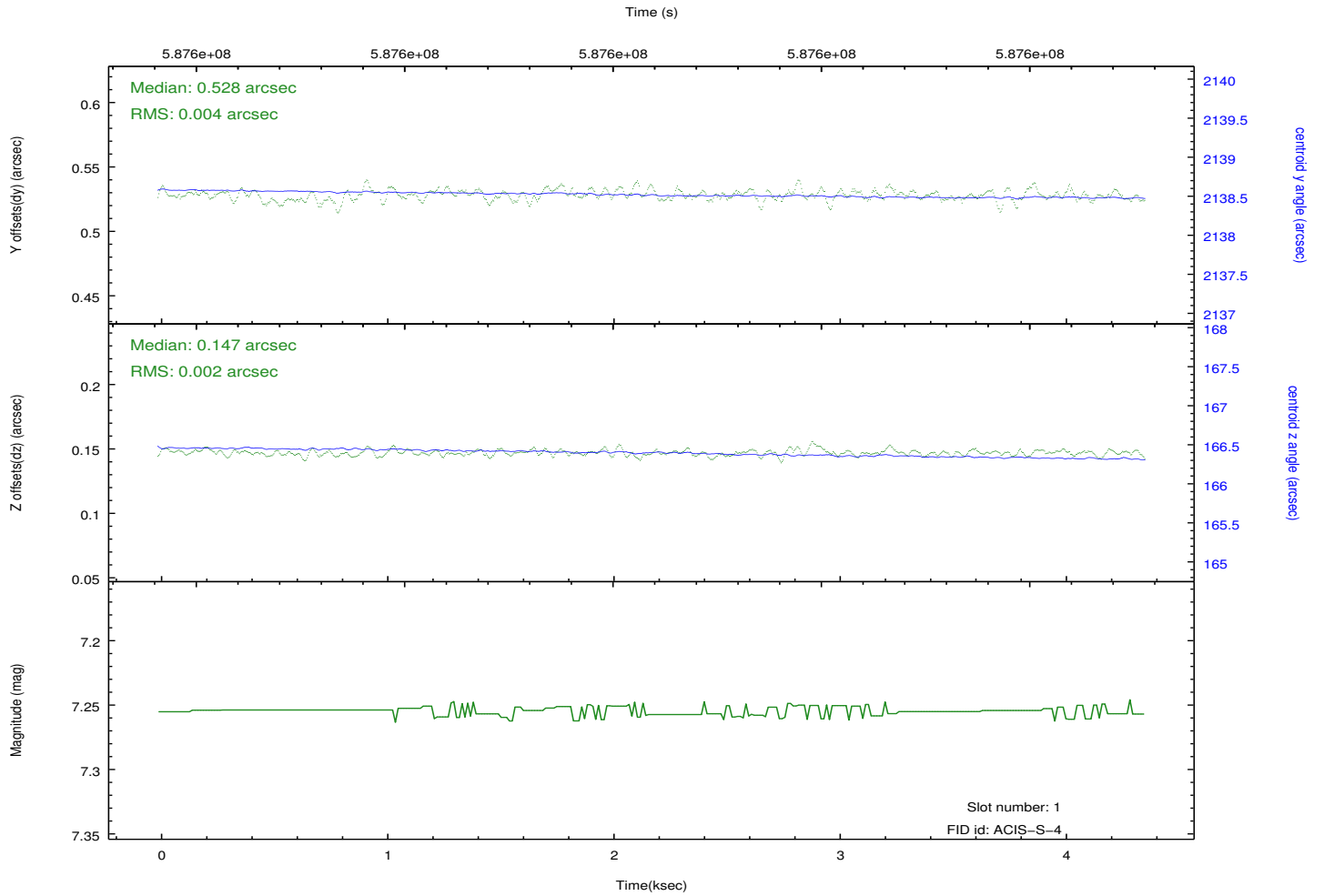
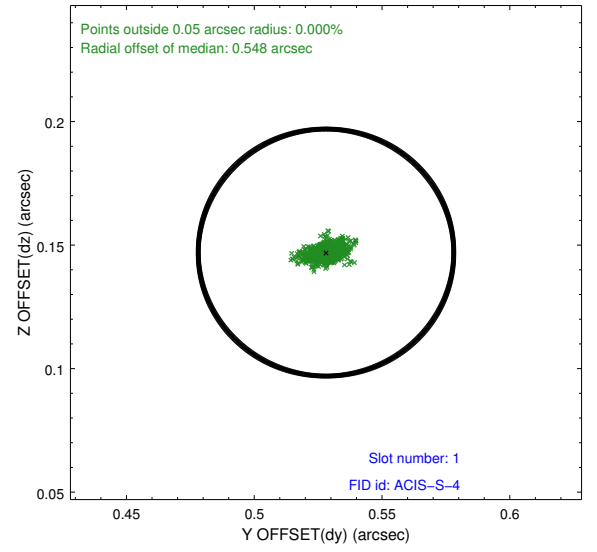
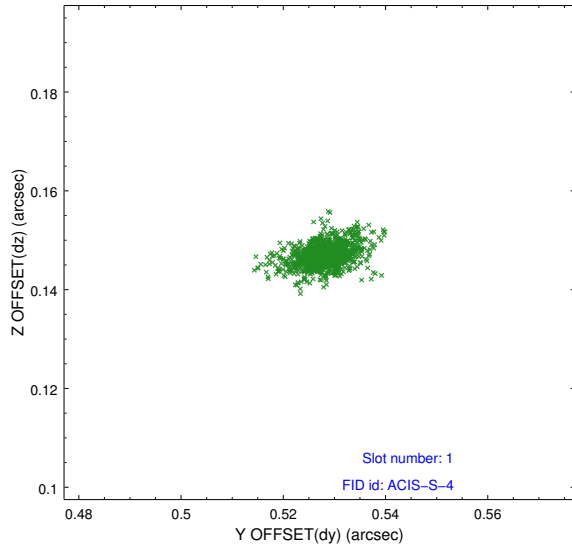


2.5 FID Slots

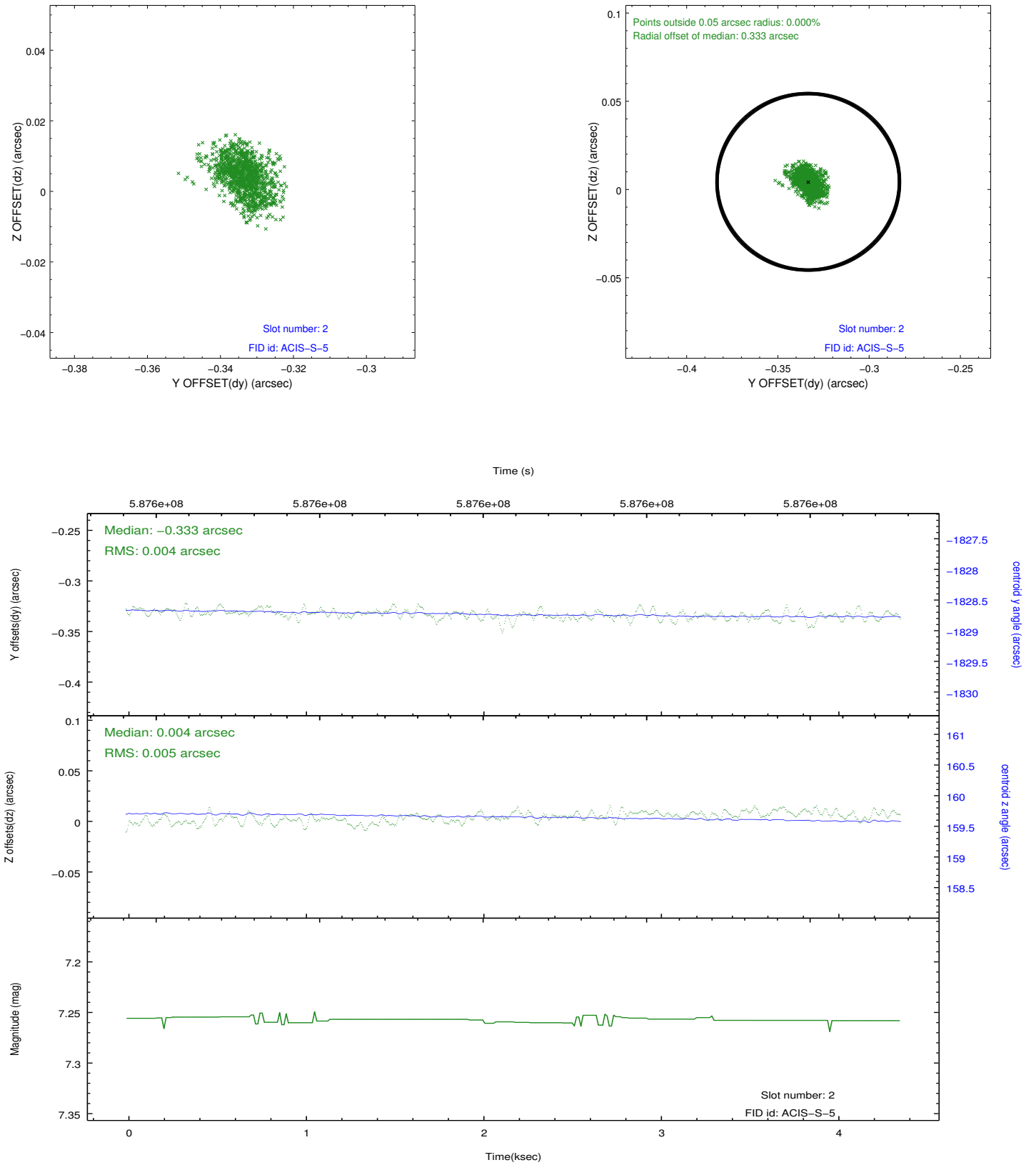
2.5.1 Slot 0



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)	2016.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.3118715564013

A.2 Comments