

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17028 - L2 Version 1
Chandra X-Ray Center

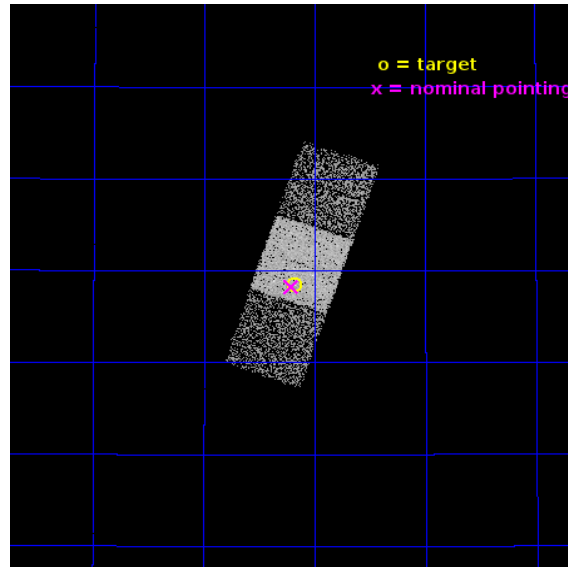
L2 Processing Date : Aug 25 2015

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1 Front

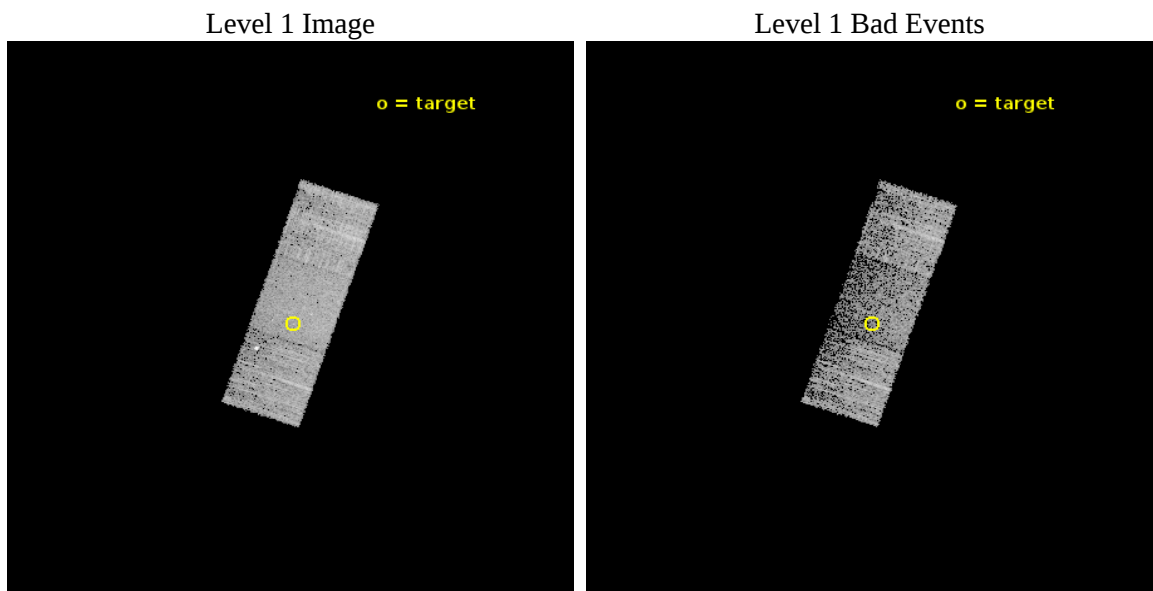
seq_num	703032	Sequence number
obs_id	17028	Observation id
title	Shielding Gas Variations in Transforming Broad Absorption Line Quasars	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS J1332+3928	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	203.046667	Observer's specified target RA [deg]
dec_targ	39.473861	Observer's specified target Dec [deg]
ra_nom	203.05260662371	Nominal RA [deg]
dec_nom	39.471056003368	Nominal Dec [deg]
roll_nom	288.98322118932	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4891.8000377417	Sum of GTIs [s]
livetime	4827.8850689578	Livetime [s]
ontime6	4891.8000377417	Sum of GTIs [s]
ontime7	4891.8000377417	Sum of GTIs [s]
ontime8	4891.8000377417	Sum of GTIs [s]
l2events	17817	Number of level 2 events



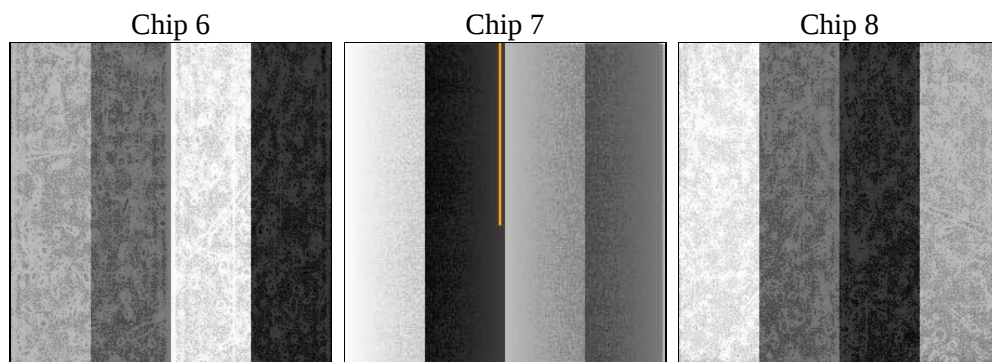
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4900.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	4891.8000377417	Sum of GTIs [s]
caldbver	4.6.8	 	ontime6	4891.8000377417	Sum of GTIs [s]
date	2015-08-25T10:54:43	Date and time of file creation	ontime7	4891.8000377417	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4891.8000377417	Sum of GTIs [s]
			l1events	86133	Number of level 1 events

2.1.4 Events

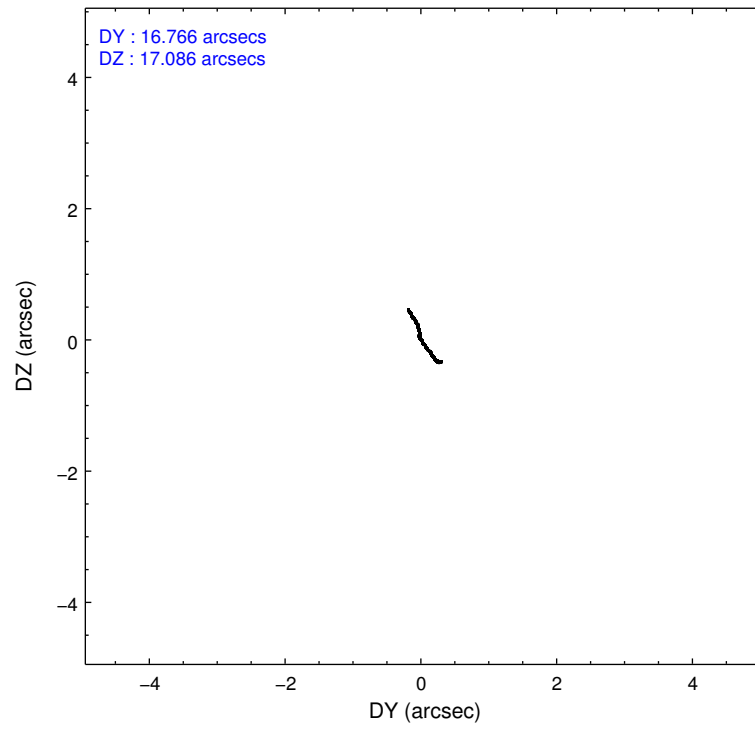
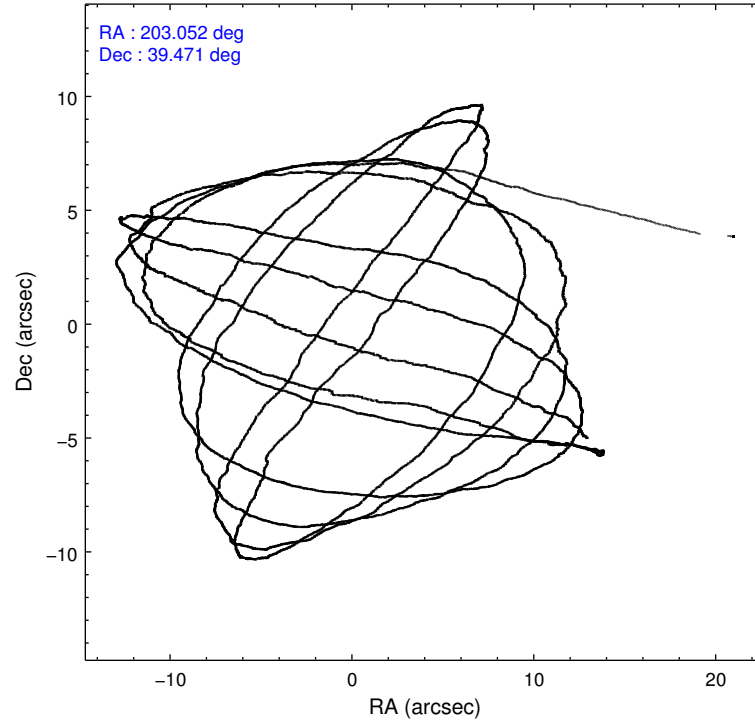
	ccd 6	ccd 7	ccd 8
level 1 events	25733	27540	32860
rejected events	22305	14558	23970
rejected %	86%	52%	72%

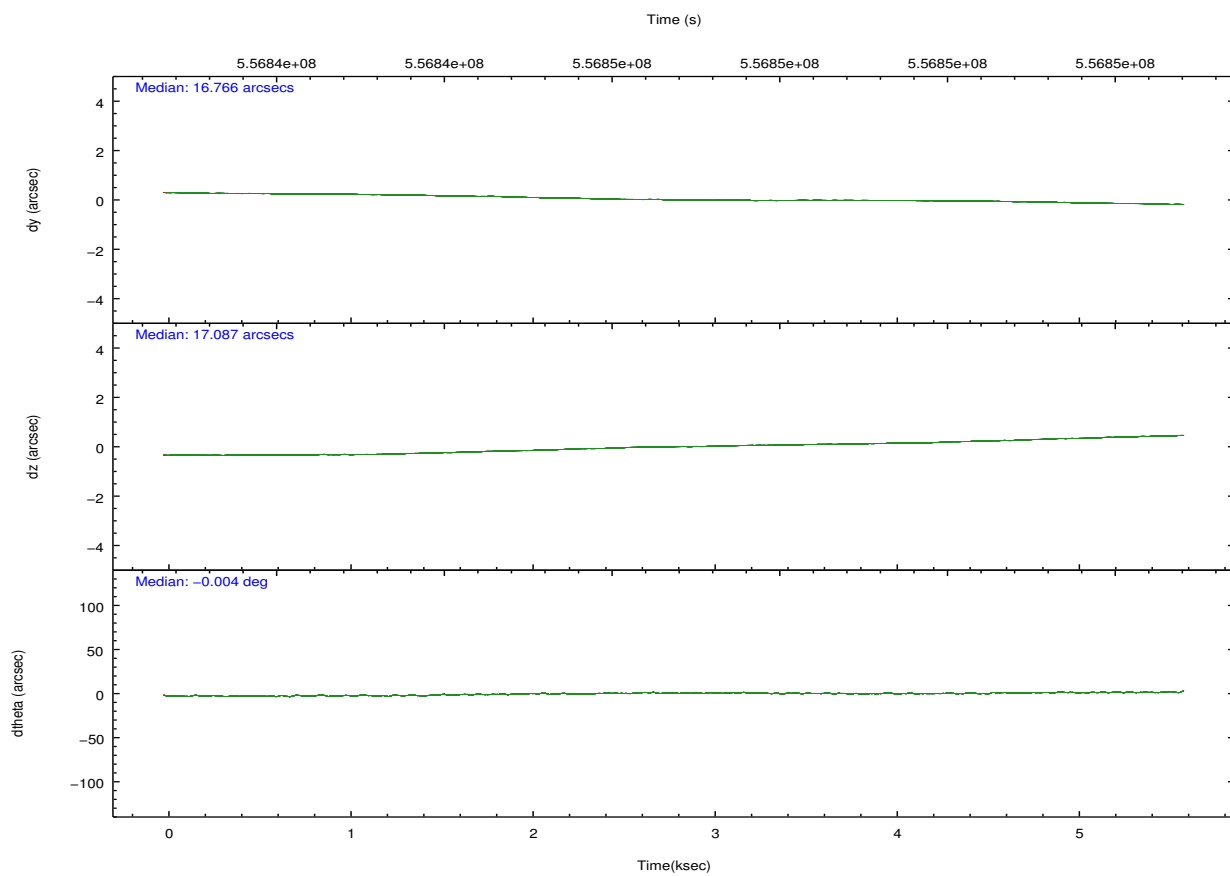
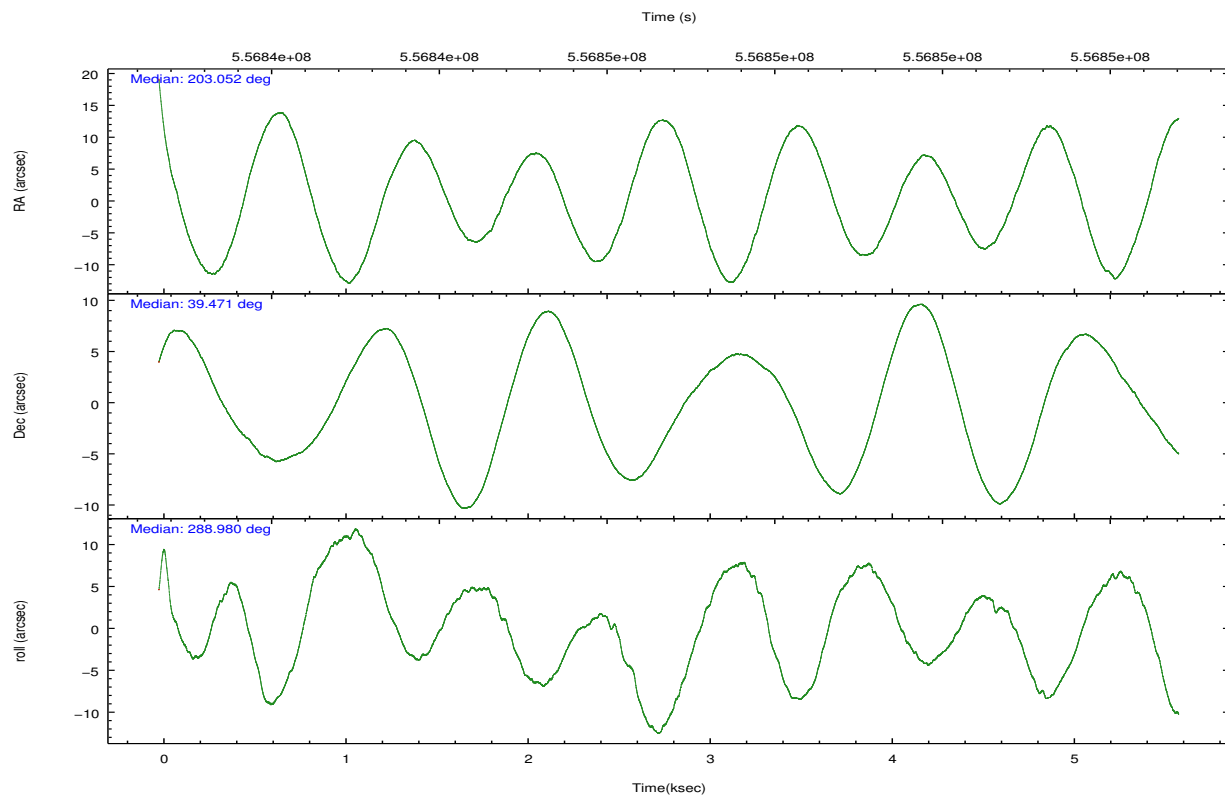
	ccd 6	ccd 7	ccd 8
grade 0 events	1608	1237	2541
	6%	4%	7%
grade 1 events	13	46	18
	0%	0%	0%
grade 2 events	639	2940	2171
	2%	10%	6%
grade 3 events	292	1082	896
	1%	3%	2%
grade 4 events	273	1022	896
	1%	3%	2%
grade 5 events	1021	2777	1659
	3%	10%	5%
grade 6 events	619	6707	2390
	2%	24%	7%
grade 7 events	21268	11729	22289
	82%	42%	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	203.025505	203.0526066237146	Subarray requested	NONE	NONE
[deg] Pointing Dec	39.488707	39.47105600336828	Alternating exposures requested	N	N
[deg] Pointing Roll	288.843800	288.9832211893194	[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)	556844257.184000	556842404.28241			
Observation start date	2015-08-24T22:56:29	2015-08-24T22:26:44			
[s] Observation end time (MET)	556849157.184000	556849553.14531			
Observation end date	2015-08-25T00:18:09	2015-08-25T00:25:53			
Read mode	TIMED	TIMED			

2.3 Aspect



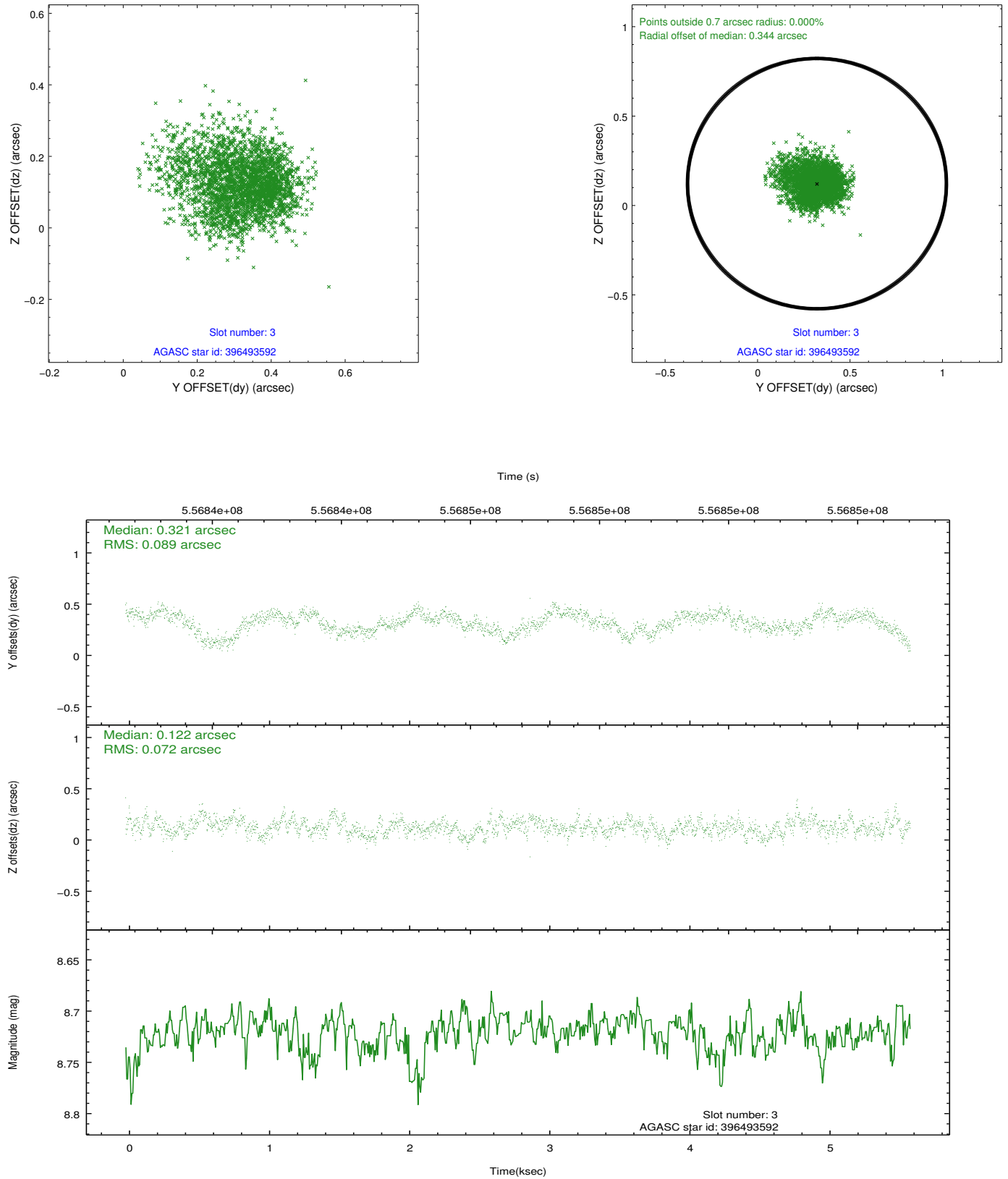


Slot Statistics

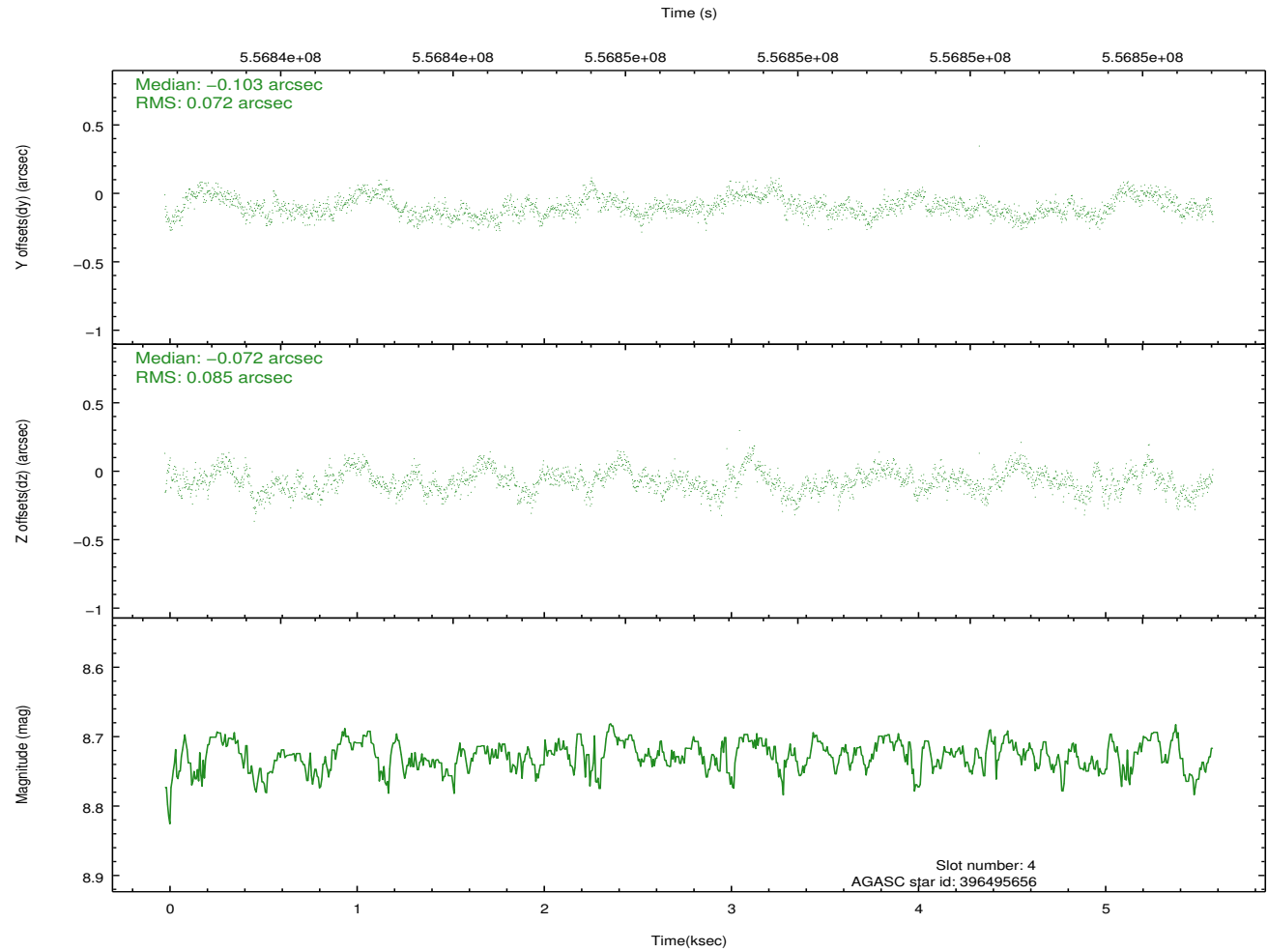
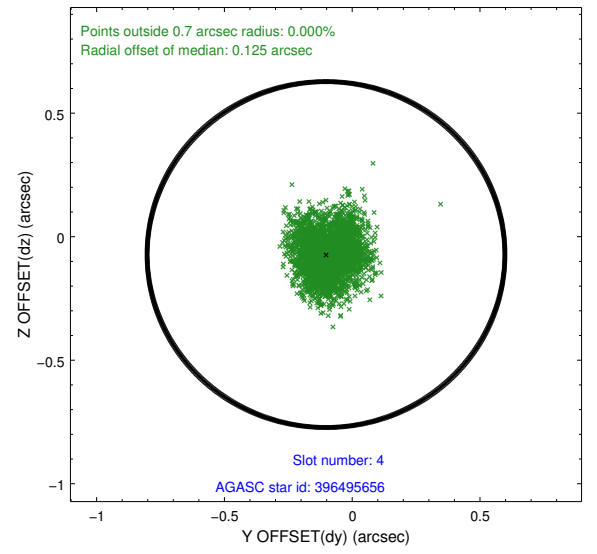
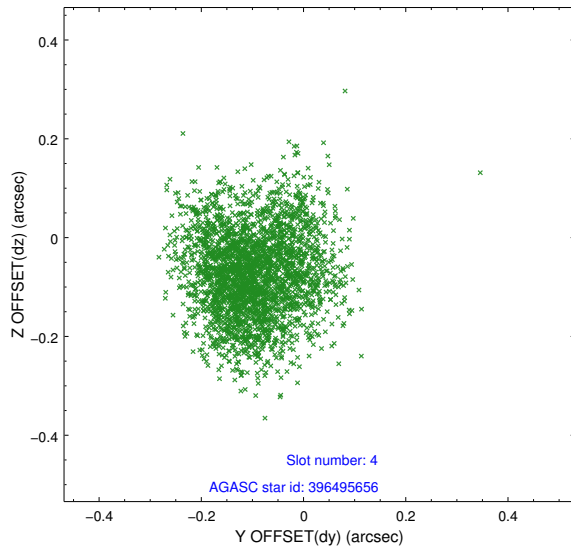
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	1367	-0.100	-0.074	0.017	0.028	0.000000	0.000000	-769.94	-1738.58
1	FID		ACIS-S-4	7.21	1367	0.280	0.067	0.006	0.010	0.000000	0.000000	2143.23	168.93
2	FID		ACIS-S-5	7.24	1367	-0.212	0.015	0.015	0.025	0.000000	0.000000	-1821.52	163.76
3	GUIDE	used	396493592	8.72	2732	0.321	0.122	0.121	0.197	202.638798	39.412939	-90.35	-1105.01
4	GUIDE	used	396495656	8.73	2733	-0.103	-0.072	0.121	0.190	203.269253	39.349480	693.60	480.49
5	GUIDE	used	396496024	8.56	2733	-0.007	-0.268	0.153	0.231	203.129926	39.291229	767.55	46.06
6	GUIDE	used	396627360	8.01	2733	-0.146	0.048	0.085	0.142	203.360226	39.933666	-1219.00	1391.88
7	GUIDE	used	396887448	9.50	2728	-0.063	0.175	0.206	0.299	203.055921	40.135233	-2175.84	832.06

2.4 Star Slots

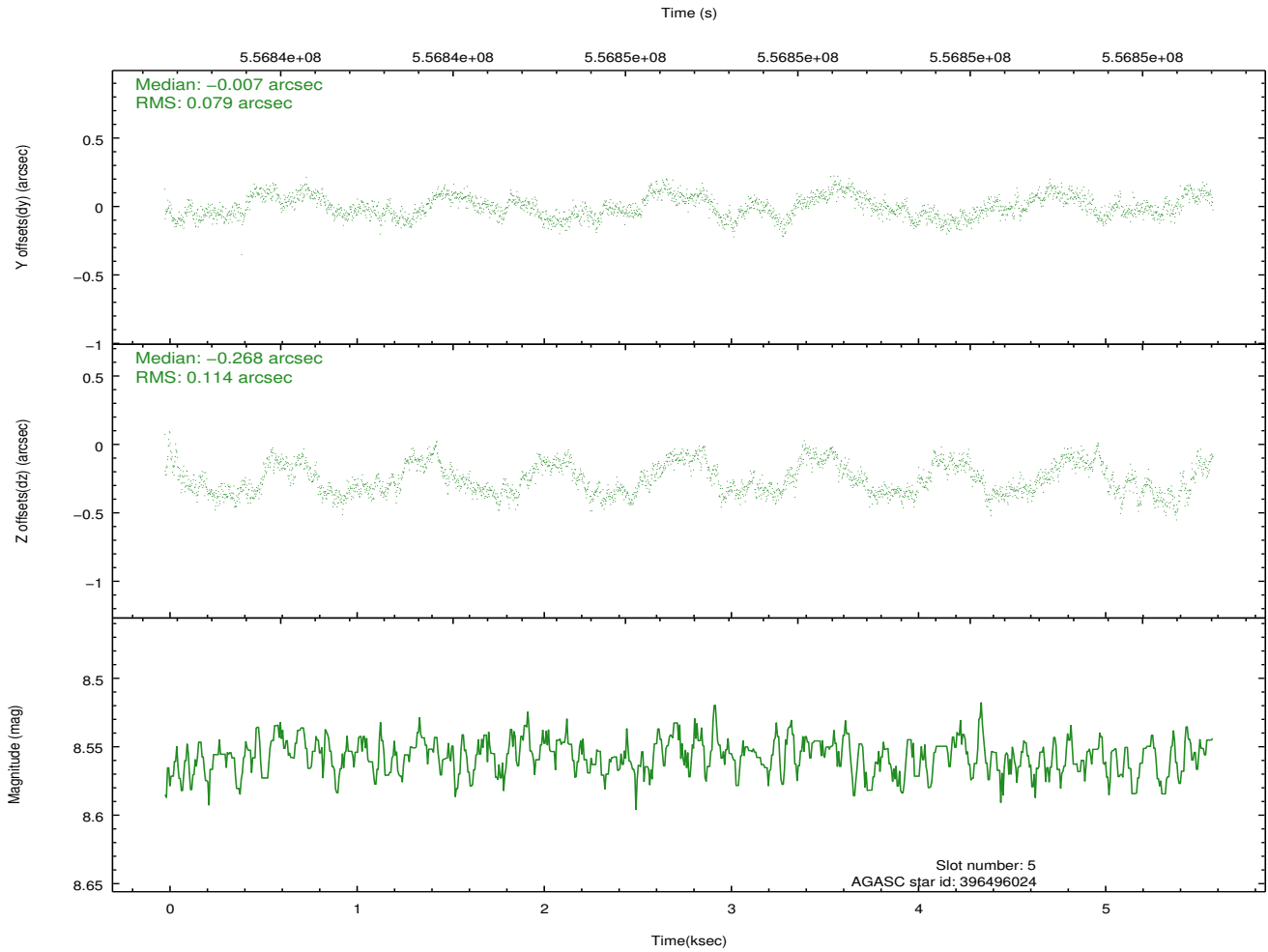
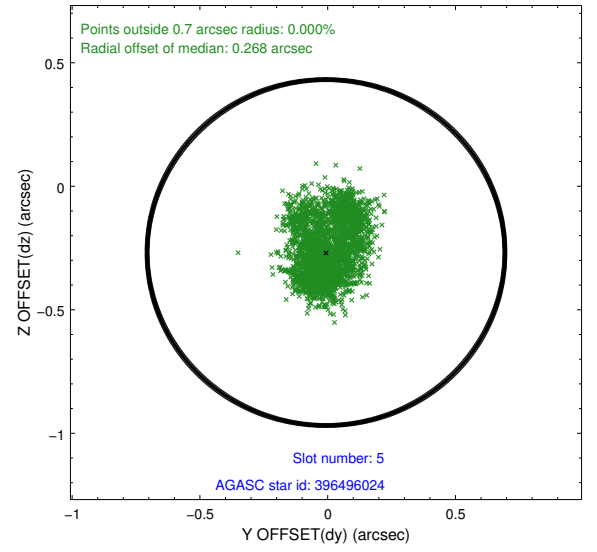
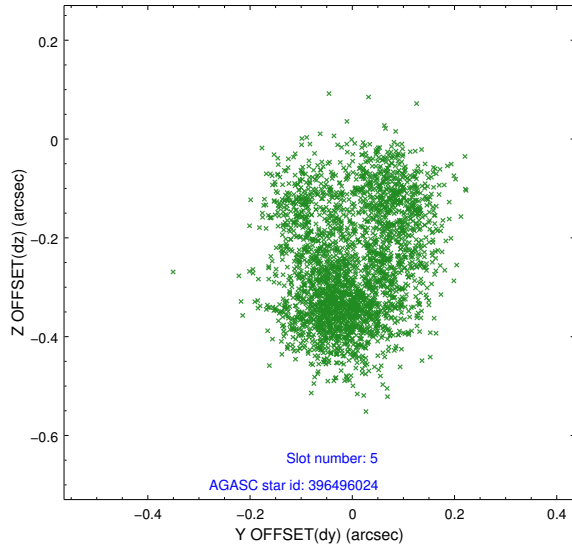
2.4.1 Slot 3



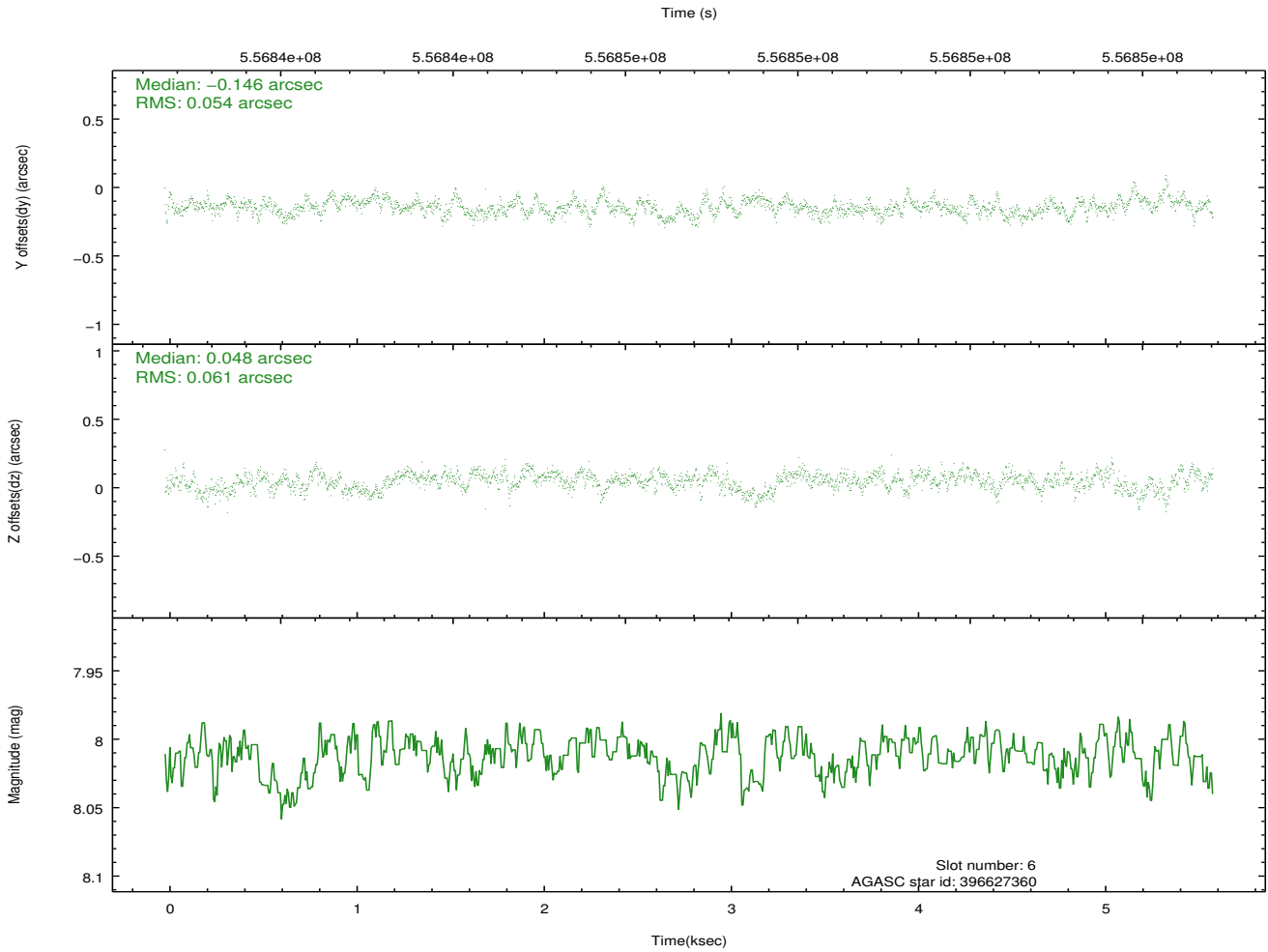
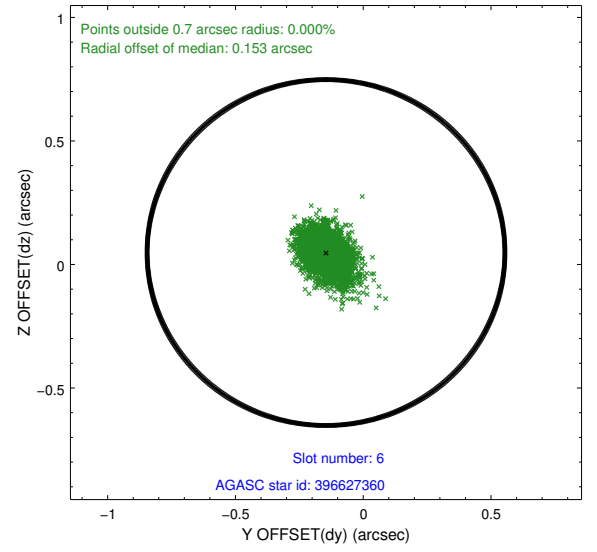
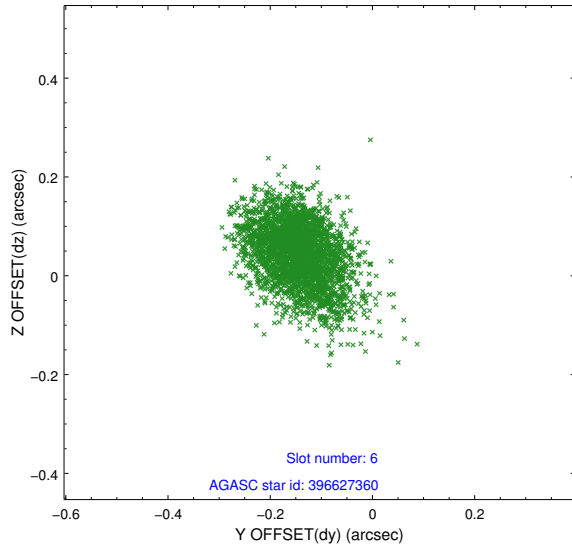
2.4.2 Slot 4



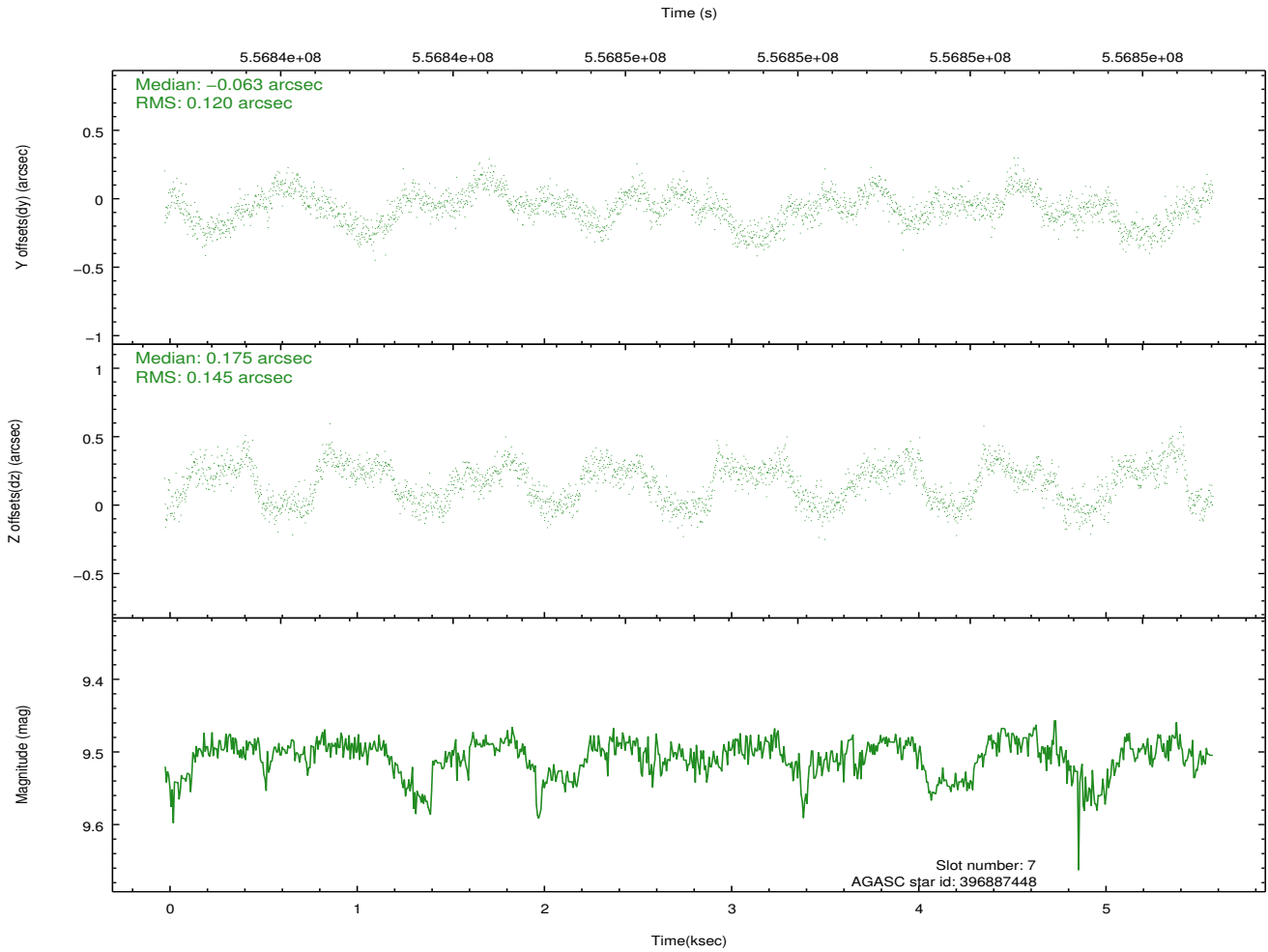
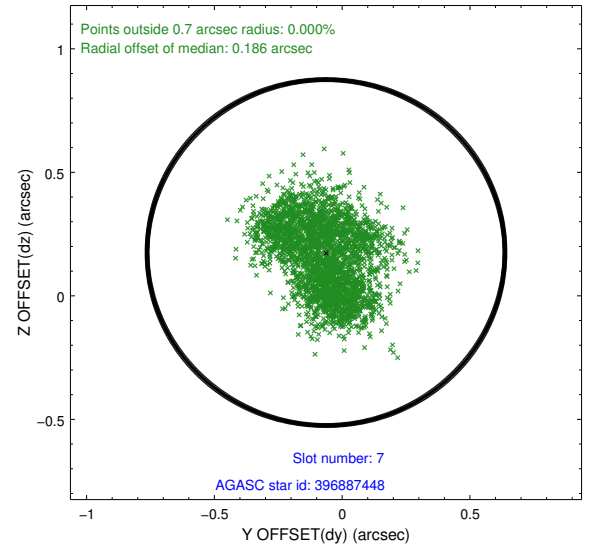
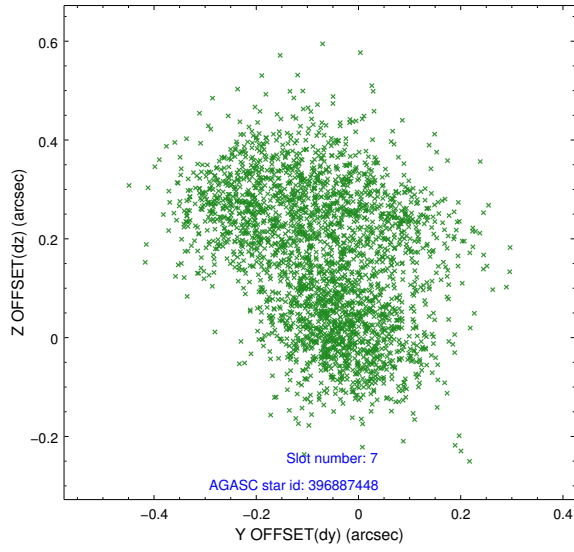
2.4.3 Slot 5



2.4.4 Slot 6

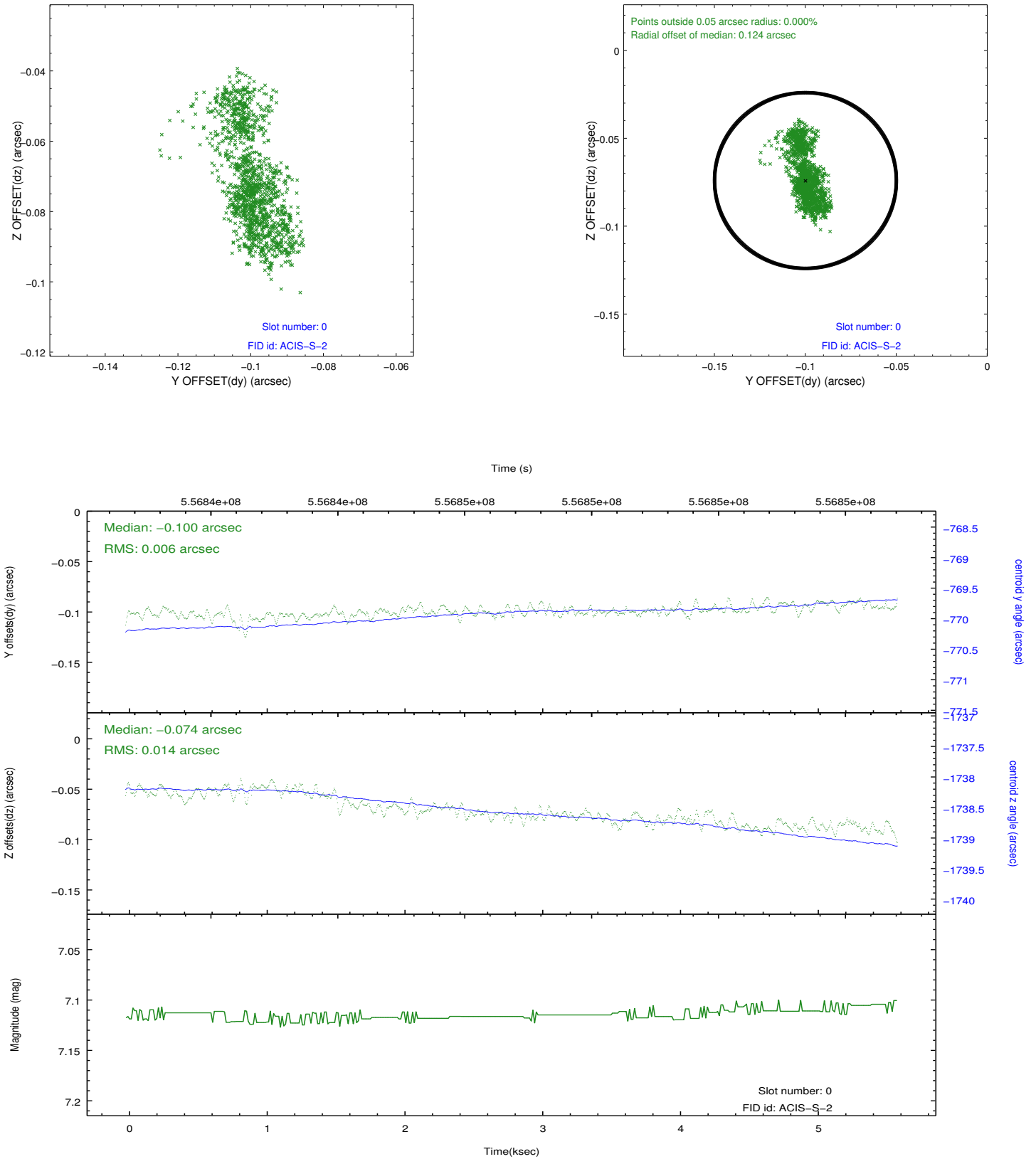


2.4.5 Slot 7

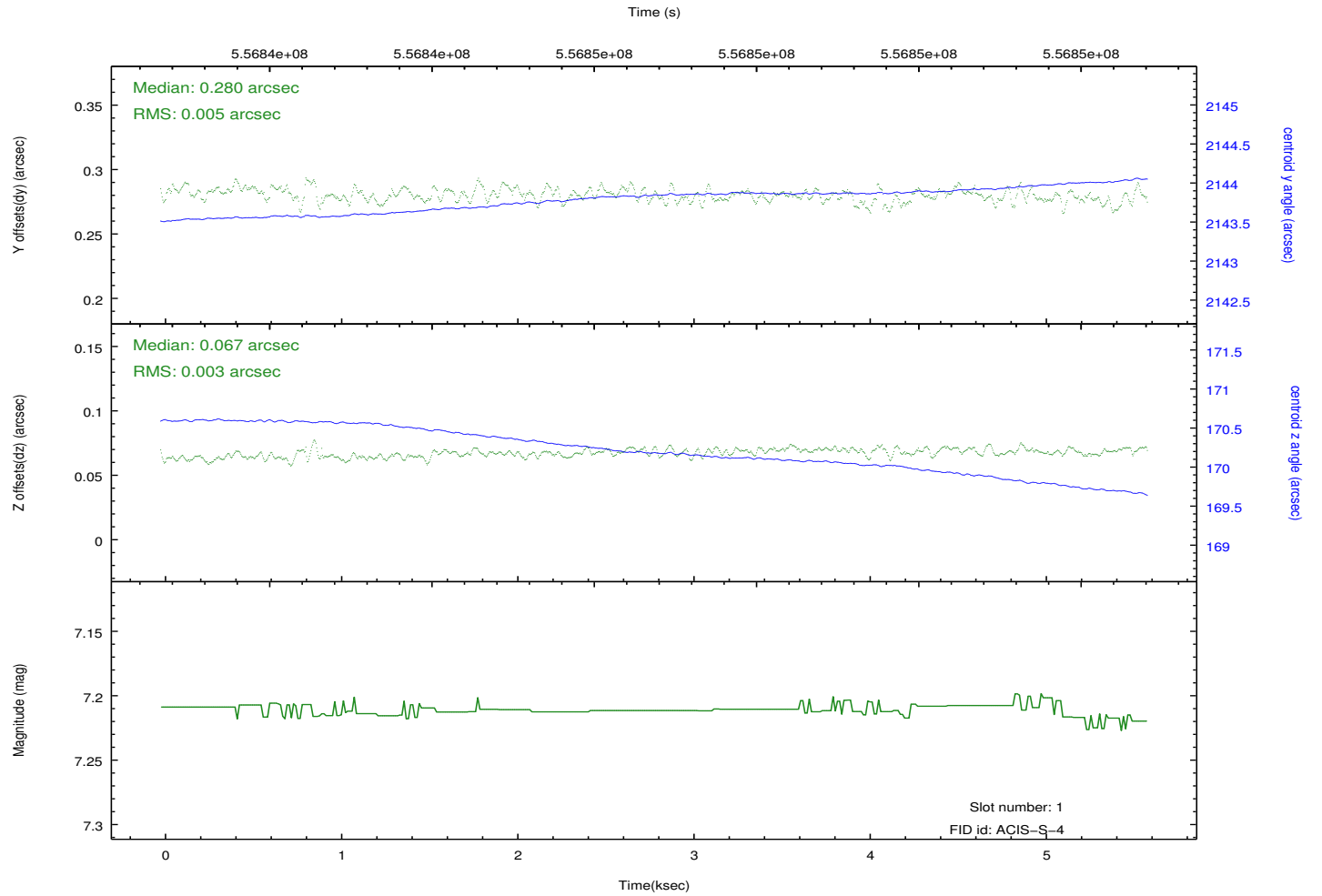
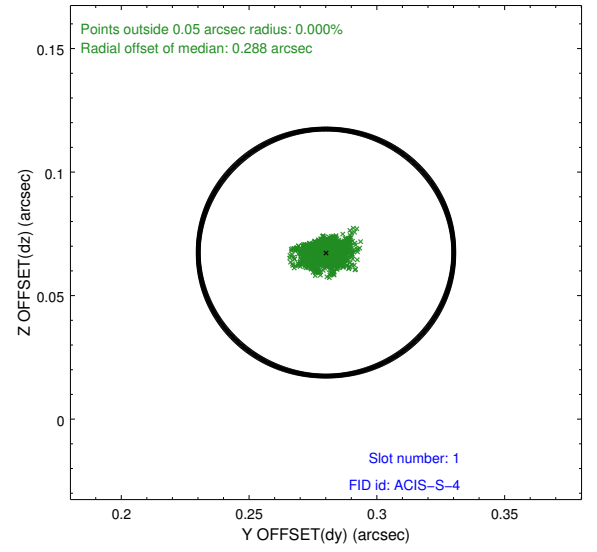
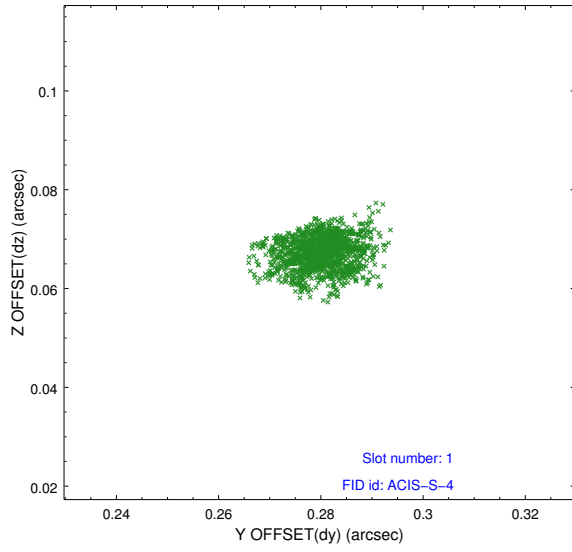


2.5 FID Slots

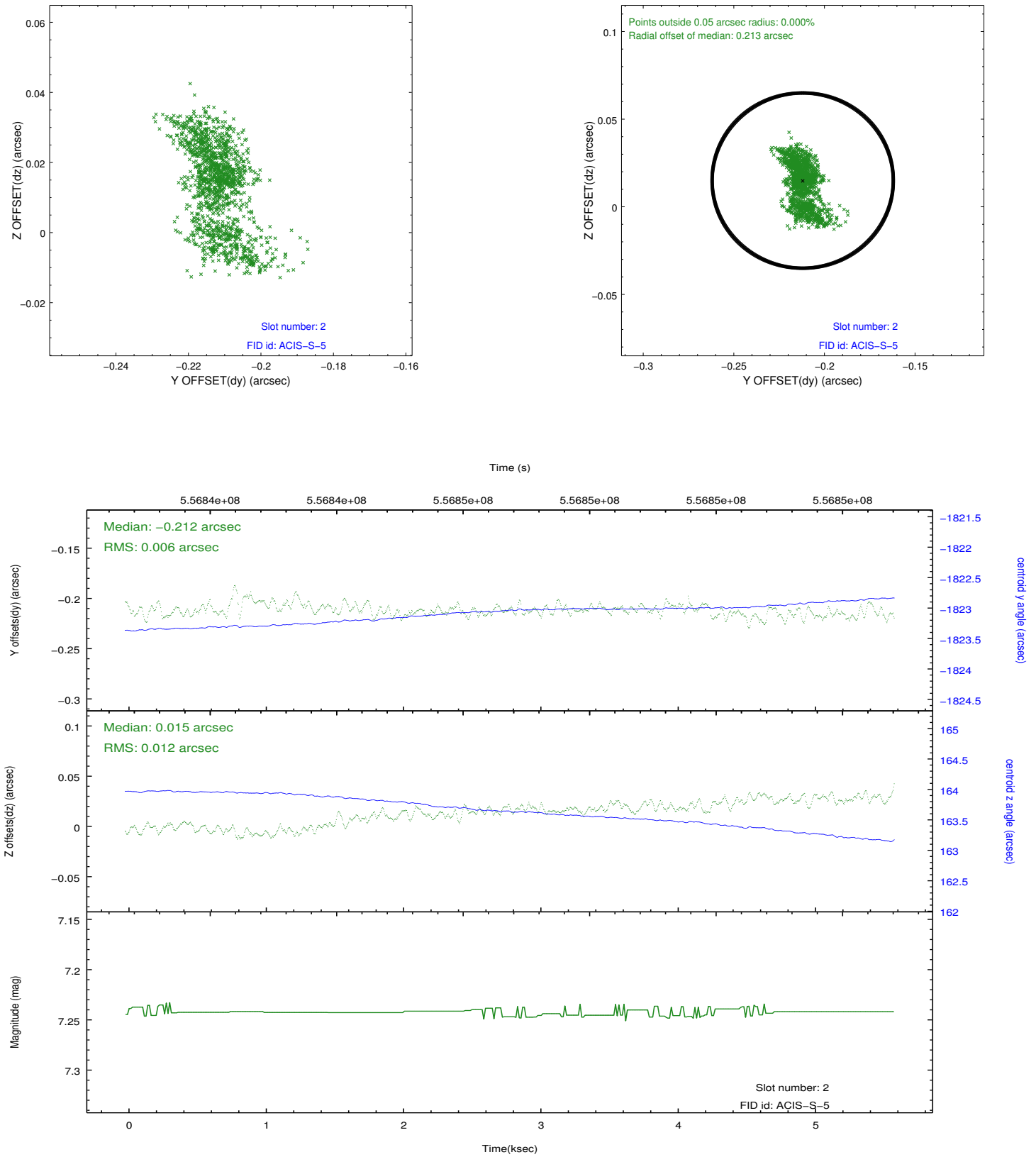
2.5.1 Slot 0



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)	2015.08.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8918000377417

A.2 Comments