

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17470 - L2 Version 1
Chandra X-Ray Center

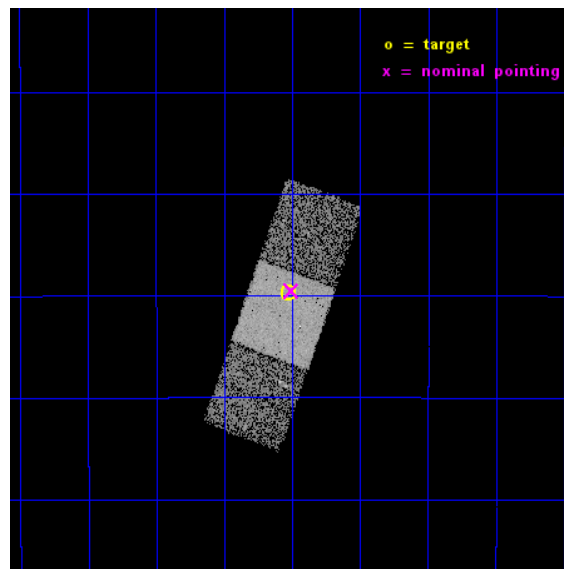
L2 Processing Date : May 24 2015

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1 Front

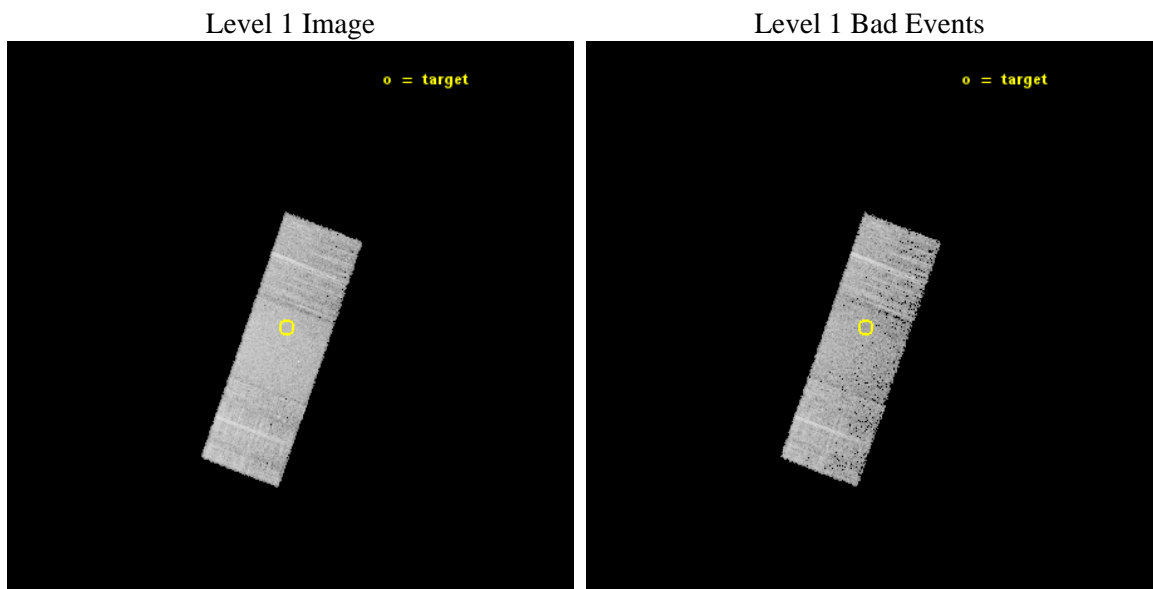
seq_num	703147	Sequence number
obs_id	17470	Observation id
title	Intrinsic X-ray Weakness and the Launching of Powerful Quasar Winds	
observer	Professor Gordon Garmire	Principal investigator
object	LBQS 2201-1834	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	331.00625	Observer's specified target RA [deg]
dec_targ	-18.328056	Observer's specified target Dec [deg]
ra_nom	331.00127638328	Nominal RA [deg]
dec_nom	-18.325219957514	Nominal Dec [deg]
roll_nom	110.0506633304	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8714.1000671387	Sum of GTIs [s]
livetime	8600.2439345344	Livetime [s]
ontime6	8710.9590069056	Sum of GTIs [s]
ontime7	8714.1000671387	Sum of GTIs [s]
ontime8	8714.1000671387	Sum of GTIs [s]
l2events	33522	Number of level 2 events



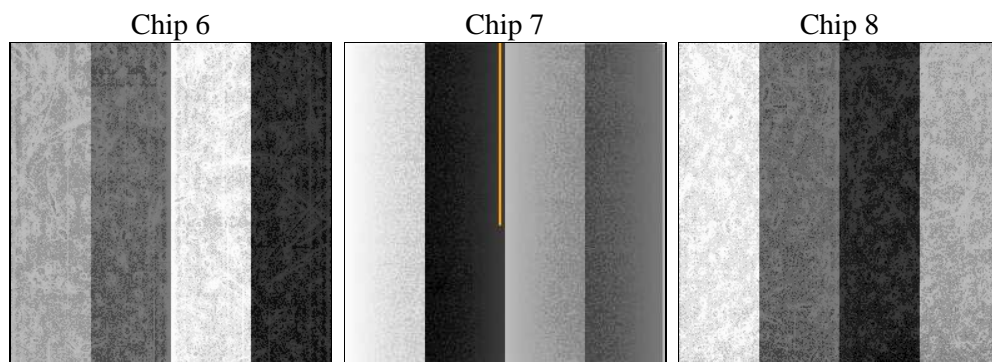
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8600.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	8714.1000671387	Sum of GTIs [s]
caldsver	4.6.7	 	ontime6	8710.9590069056	Sum of GTIs [s]
date	2015-05-24T04:14:02	Date and time of file creation	ontime7	8714.1000671387	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	8714.1000671387	Sum of GTIs [s]
			l1events	157840	Number of level 1 events

2.1.4 Events

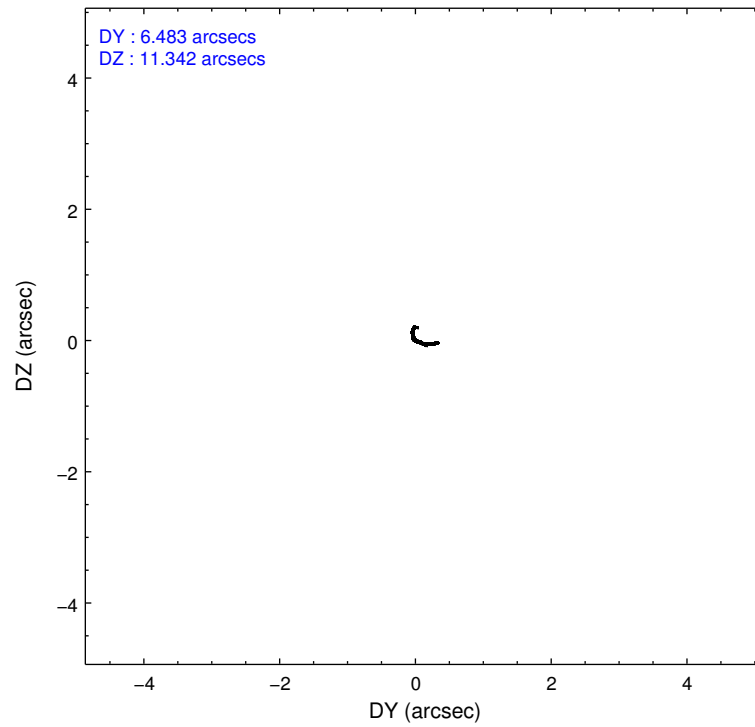
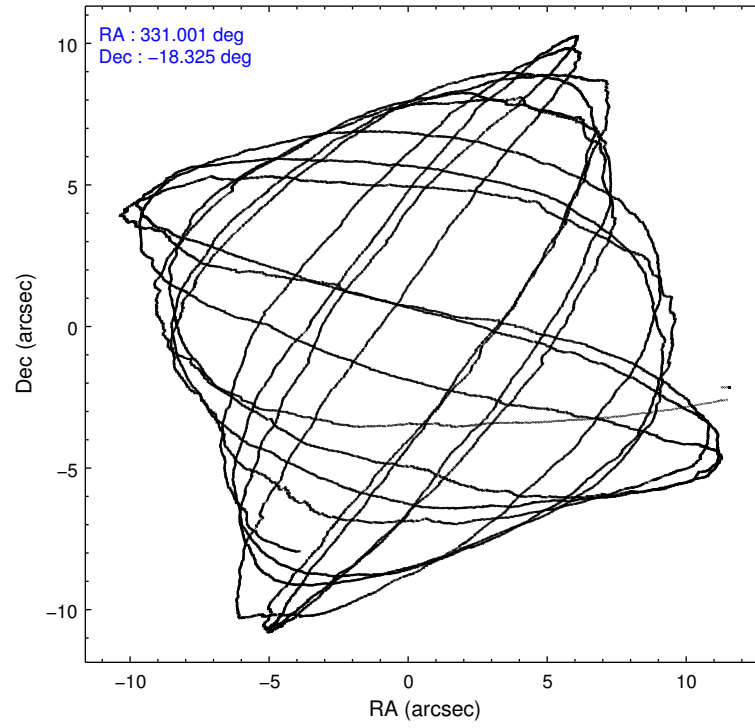
	ccd 6	ccd 7	ccd 8
level 1 events	44138	57367	56335
rejected events	39022	32713	42494
rejected %	88%	57%	75%

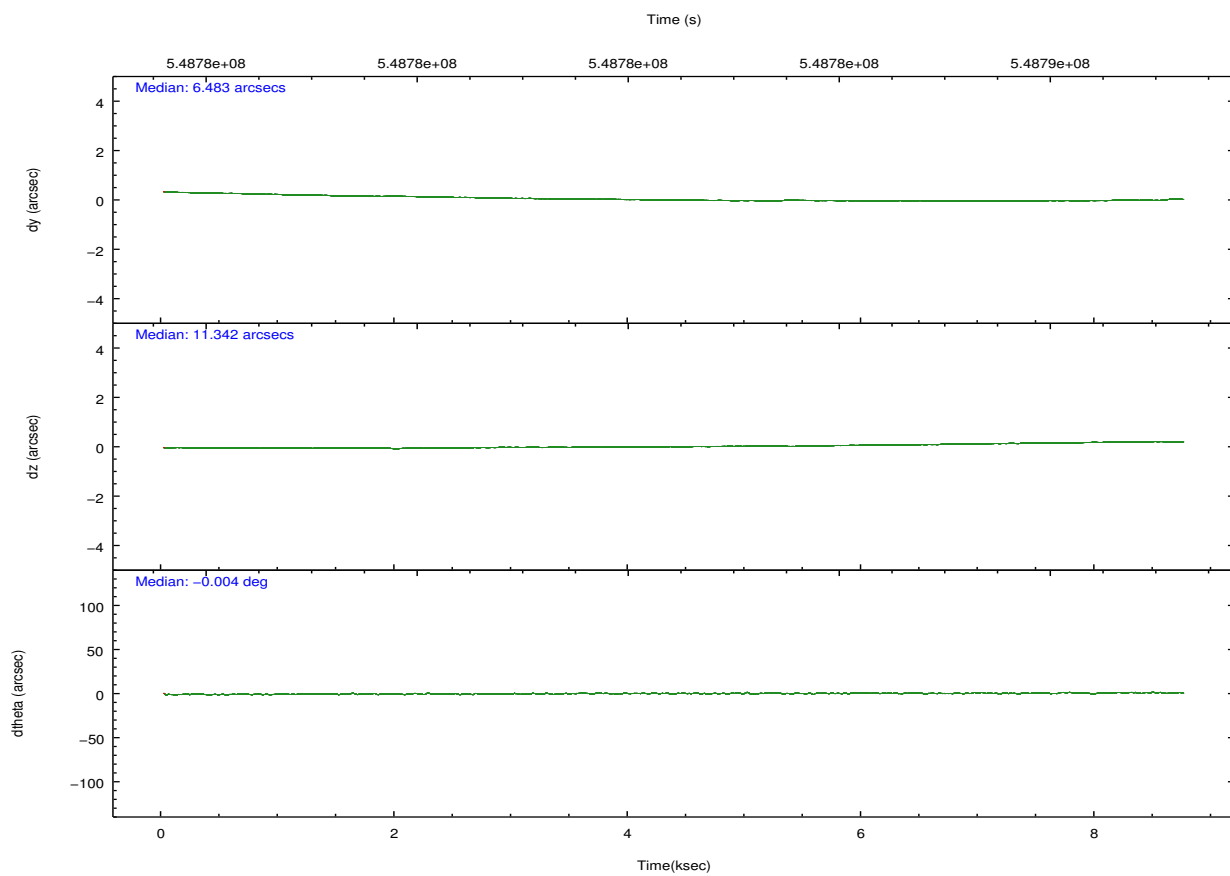
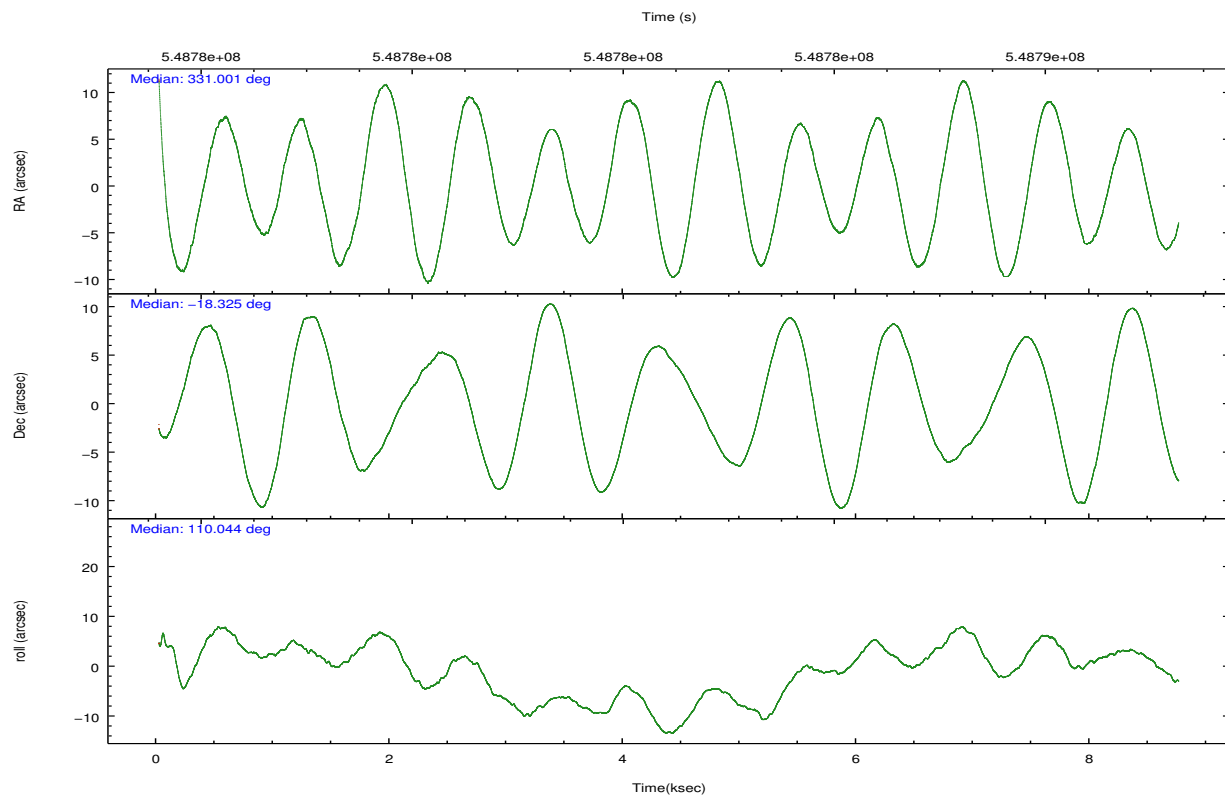
	ccd 6	ccd 7	ccd 8
grade 0 events	1574	2069	3832
	3%	3%	6%
grade 1 events	25	51	33
	0%	0%	0%
grade 2 events	1303	5188	3316
	2%	9%	5%
grade 3 events	470	1859	1468
	1%	3%	2%
grade 4 events	507	1886	1407
	1%	3%	2%
grade 5 events	2157	5358	3105
	4%	9%	5%
grade 6 events	1263	13673	3824
	2%	23%	6%
grade 7 events	36839	27283	39350
	83%	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	331.023751	331.0012763832771	Subarray requested	NONE	NONE
[deg] Pointing Dec	-18.342605	-18.32521995751404	Alternating exposures requested	N	N
[deg] Pointing Roll	109.901101	110.0506633304002	[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)	548778217.184000	548777213.87872			
Observation start date	2015-05-23T14:22:30	2015-05-23T14:06:53			
[s] Observation end time (MET)	548786817.184000	548788120.39183			
Observation end date	2015-05-23T16:45:50	2015-05-23T17:08:40			
Read mode	TIMED	TIMED			

2.3 Aspect



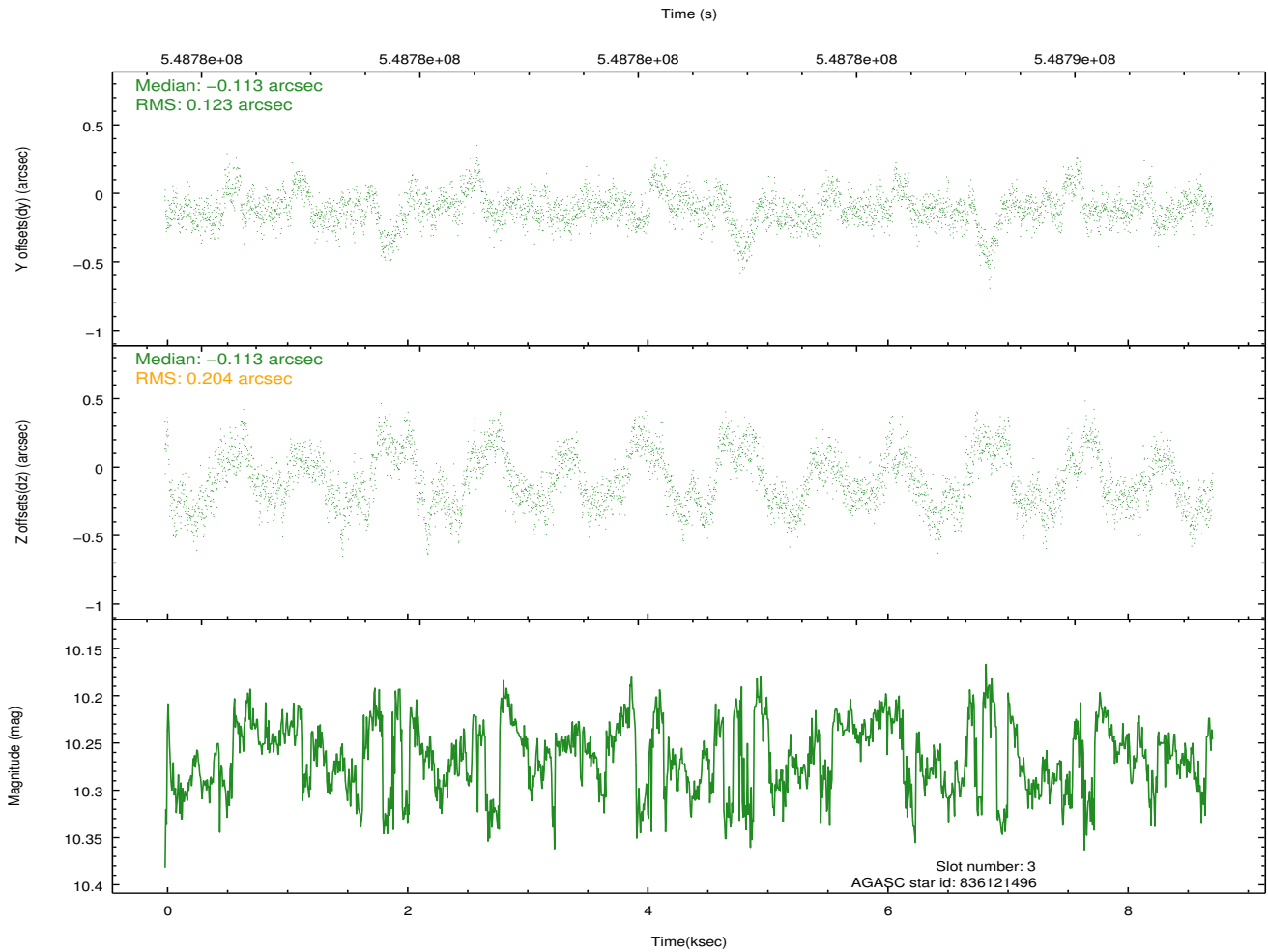
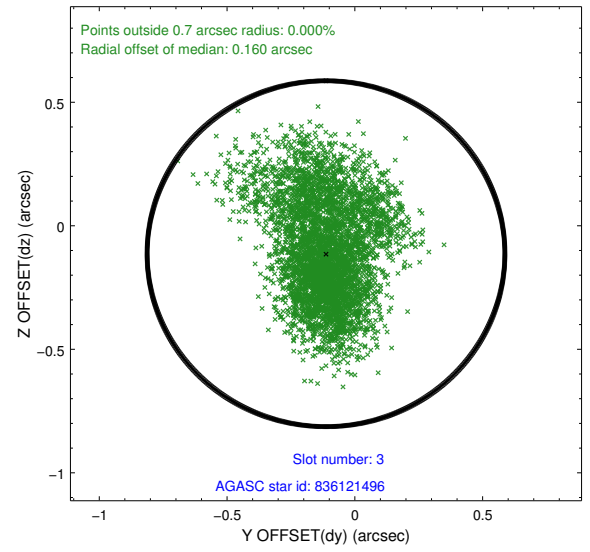
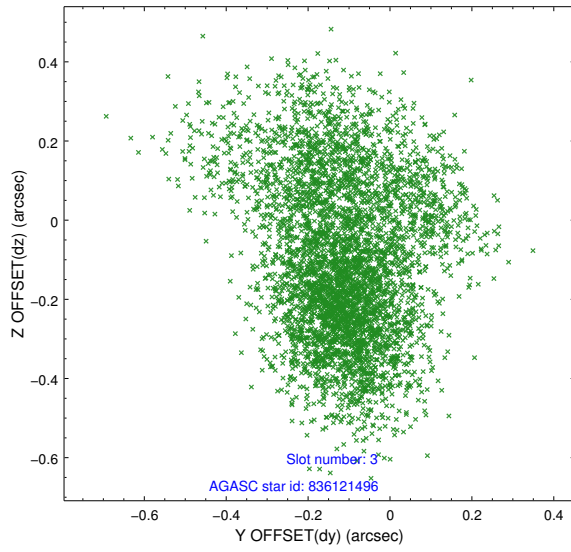


Slot Statistics

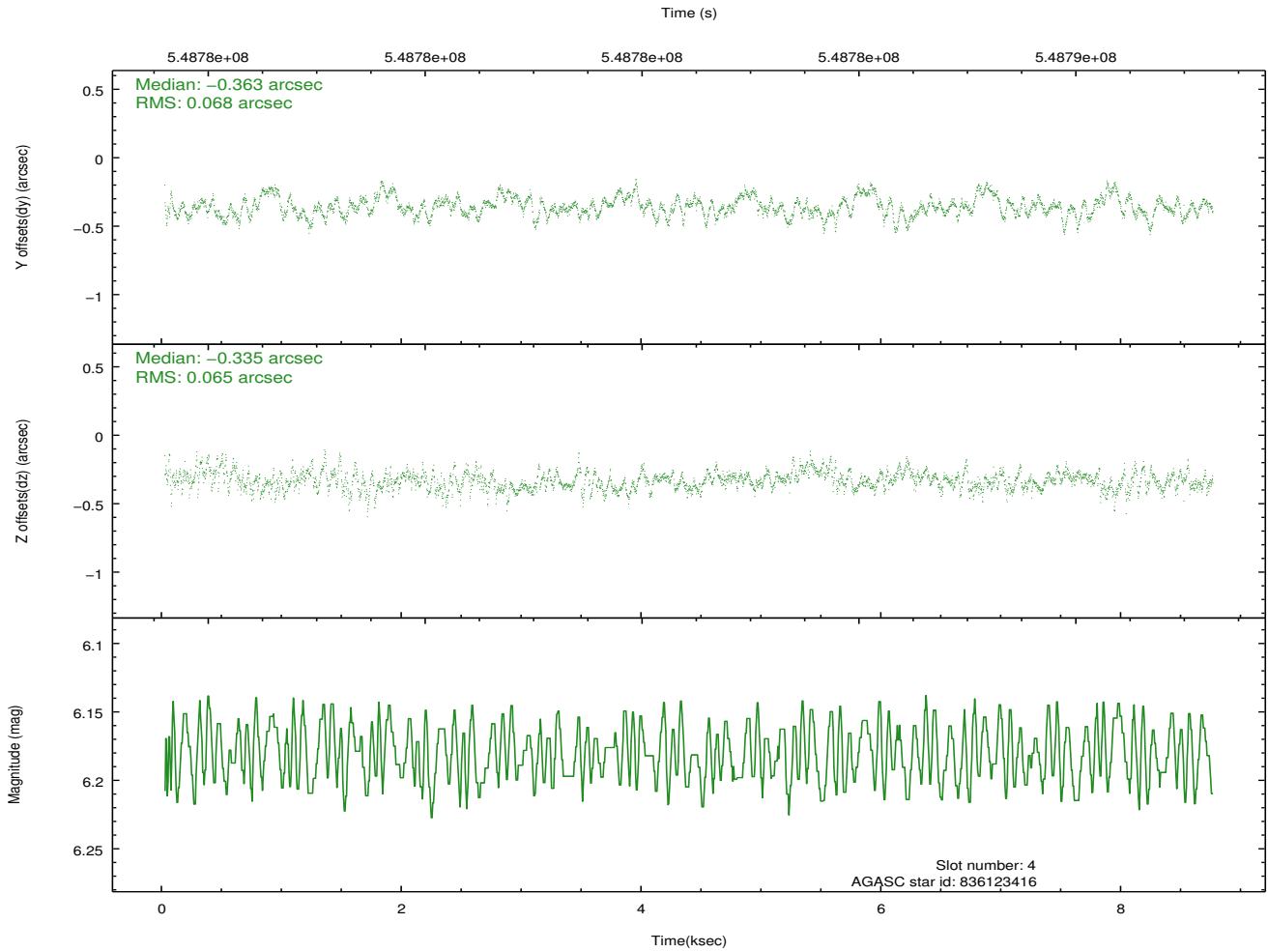
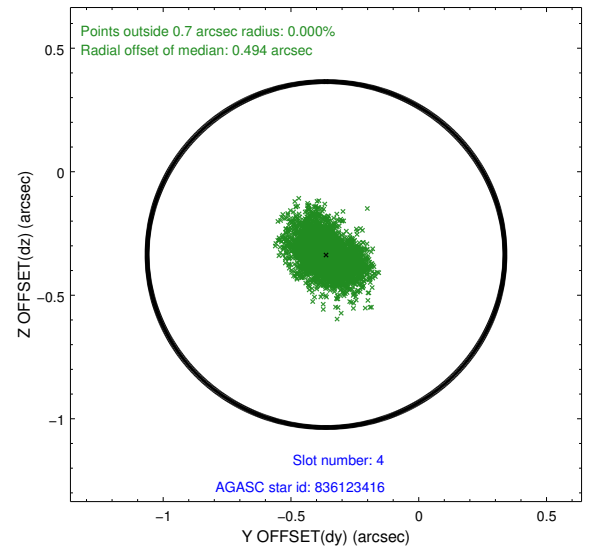
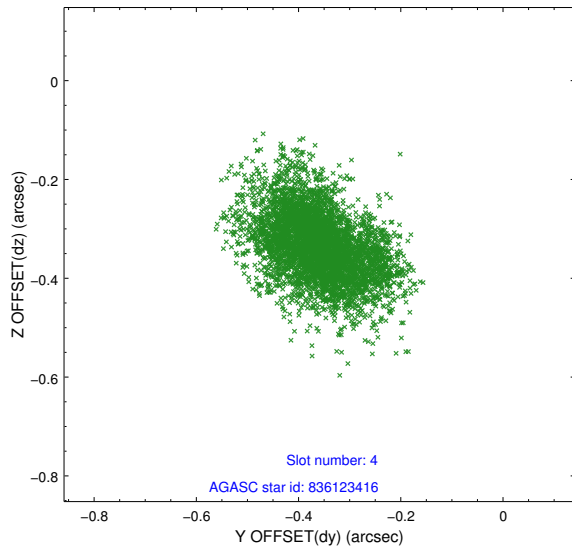
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	2133	-0.091	-0.026	0.008	0.013	0.000000	0.000000	-759.37	-1732.68
1	FID		ACIS-S-4	7.22	2133	0.198	0.051	0.007	0.012	0.000000	0.000000	2153.91	175.23
2	FID		ACIS-S-5	7.24	2132	-0.138	-0.016	0.008	0.014	0.000000	0.000000	-1811.45	169.55
3	GUIDE	used	836121496	10.26	4252	-0.113	-0.113	0.258	0.413	330.628024	-18.966263	-1654.58	2031.52
4	GUIDE	used	836123416	6.18	4265	-0.363	-0.335	0.101	0.167	330.549397	-17.903474	2035.00	989.73
5	GUIDE	used	836242792	7.94	4264	0.314	0.222	0.090	0.151	331.450637	-18.668198	-1598.66	-969.36
6	GUIDE	used	836246360	9.84	4259	0.215	0.095	0.173	0.281	331.304626	-18.833846	-1989.74	-297.82
7	GUIDE	used	836249968	9.36	4262	-0.060	0.118	0.119	0.200	331.315587	-17.697275	1841.99	-1731.49

2.4 Star Slots

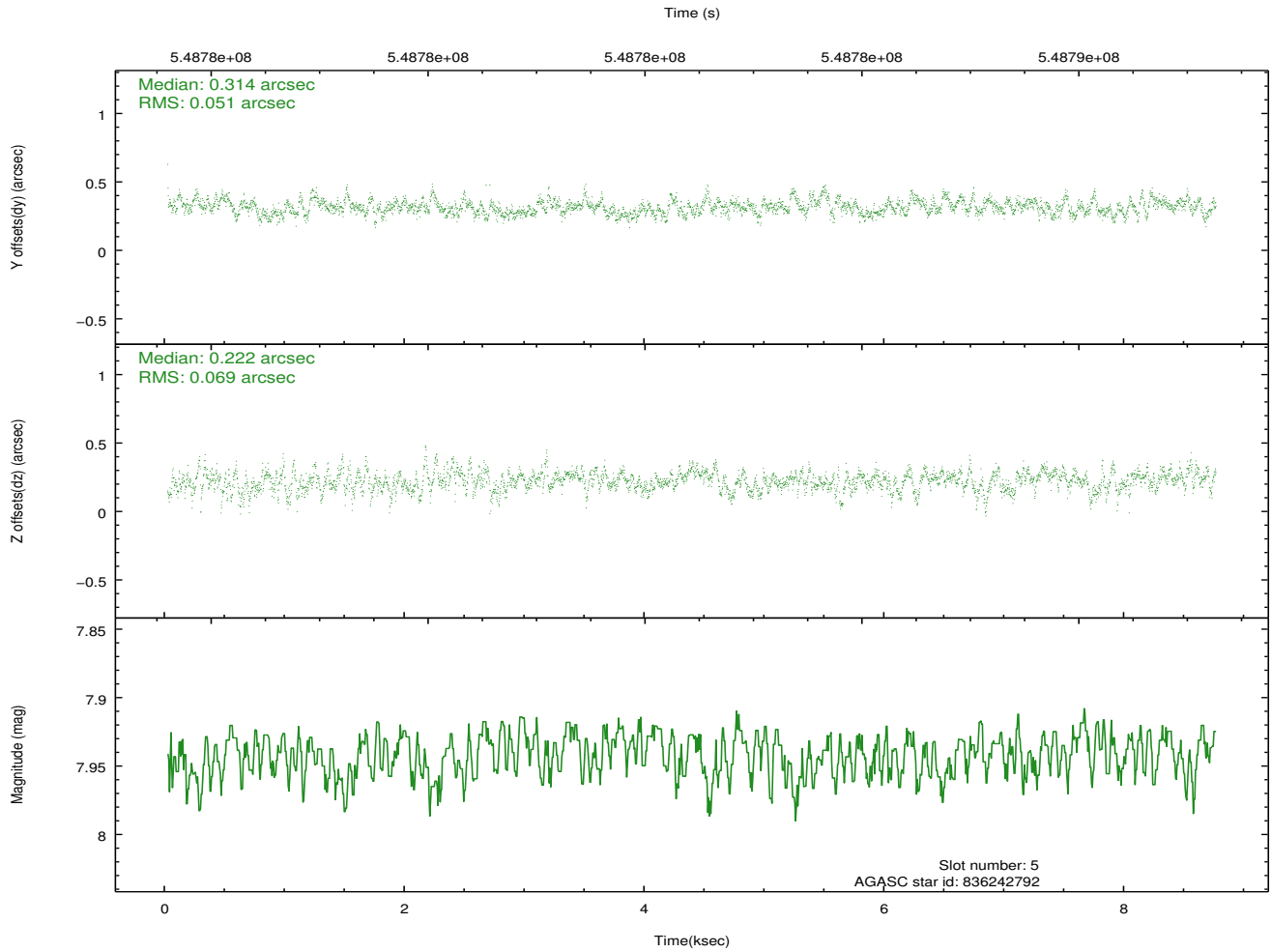
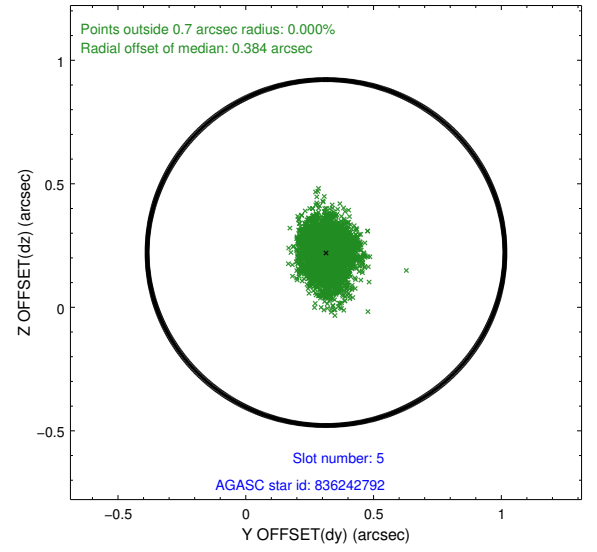
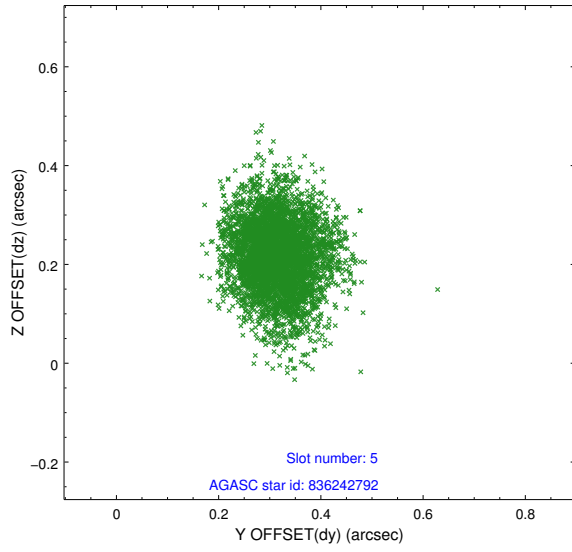
2.4.1 Slot 3



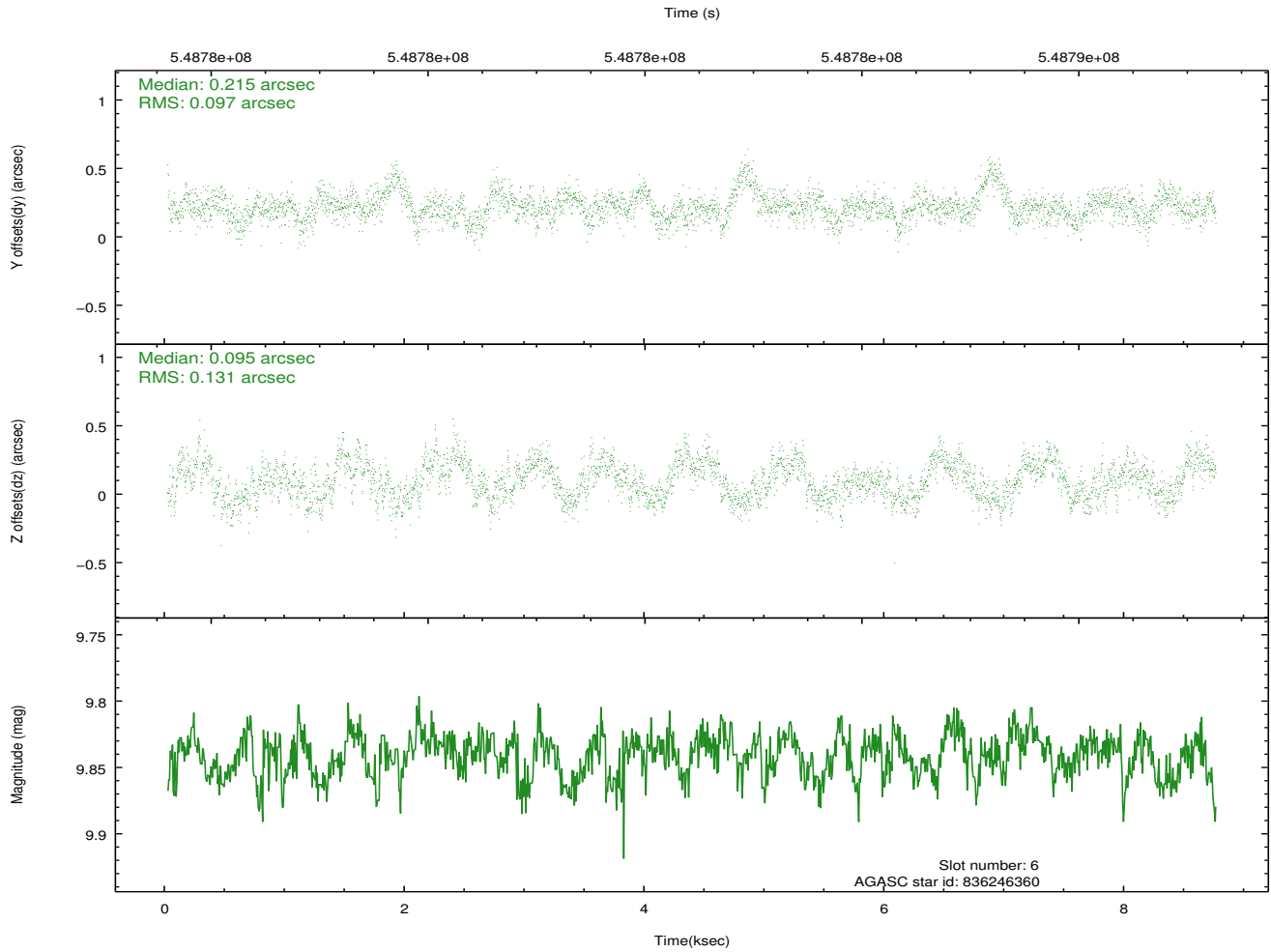
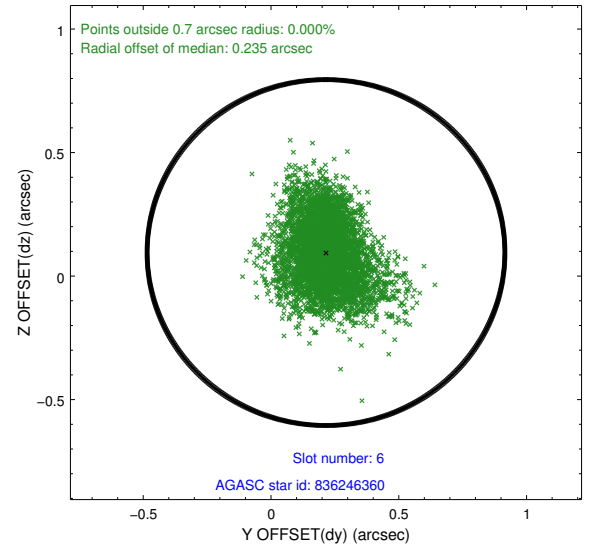
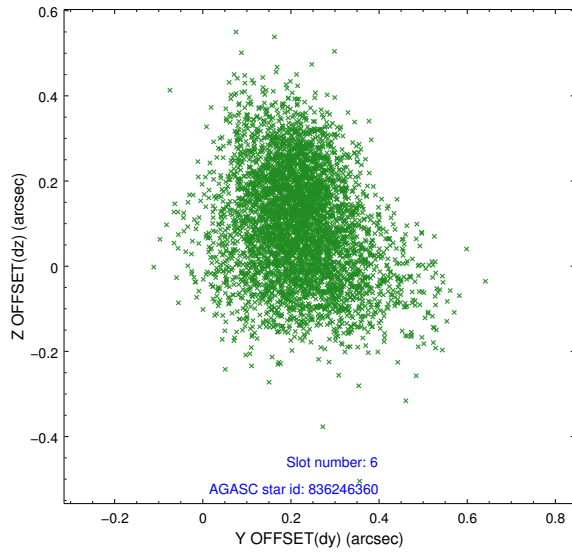
2.4.2 Slot 4



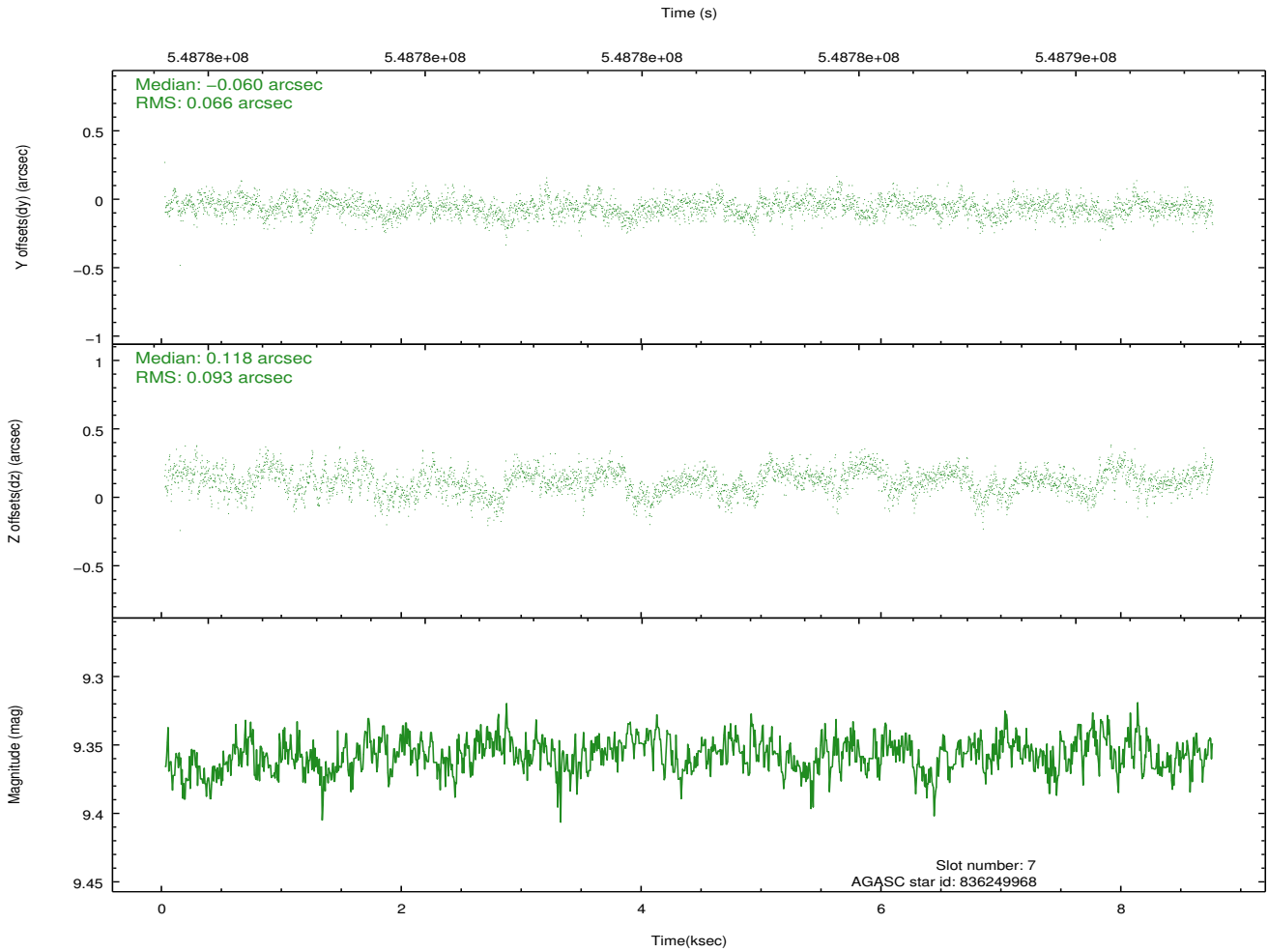
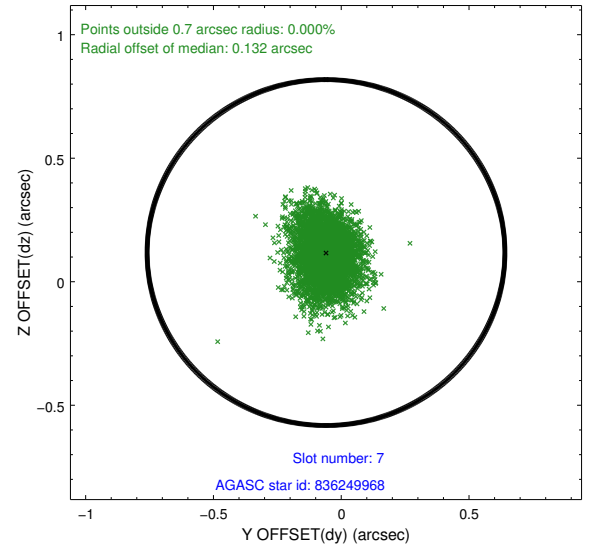
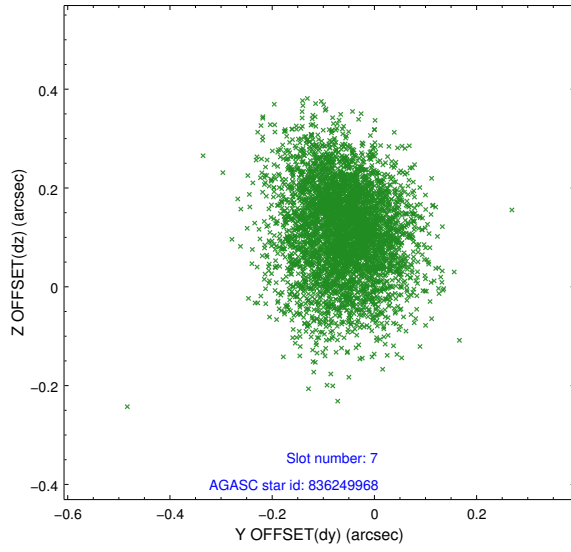
2.4.3 Slot 5



2.4.4 Slot 6

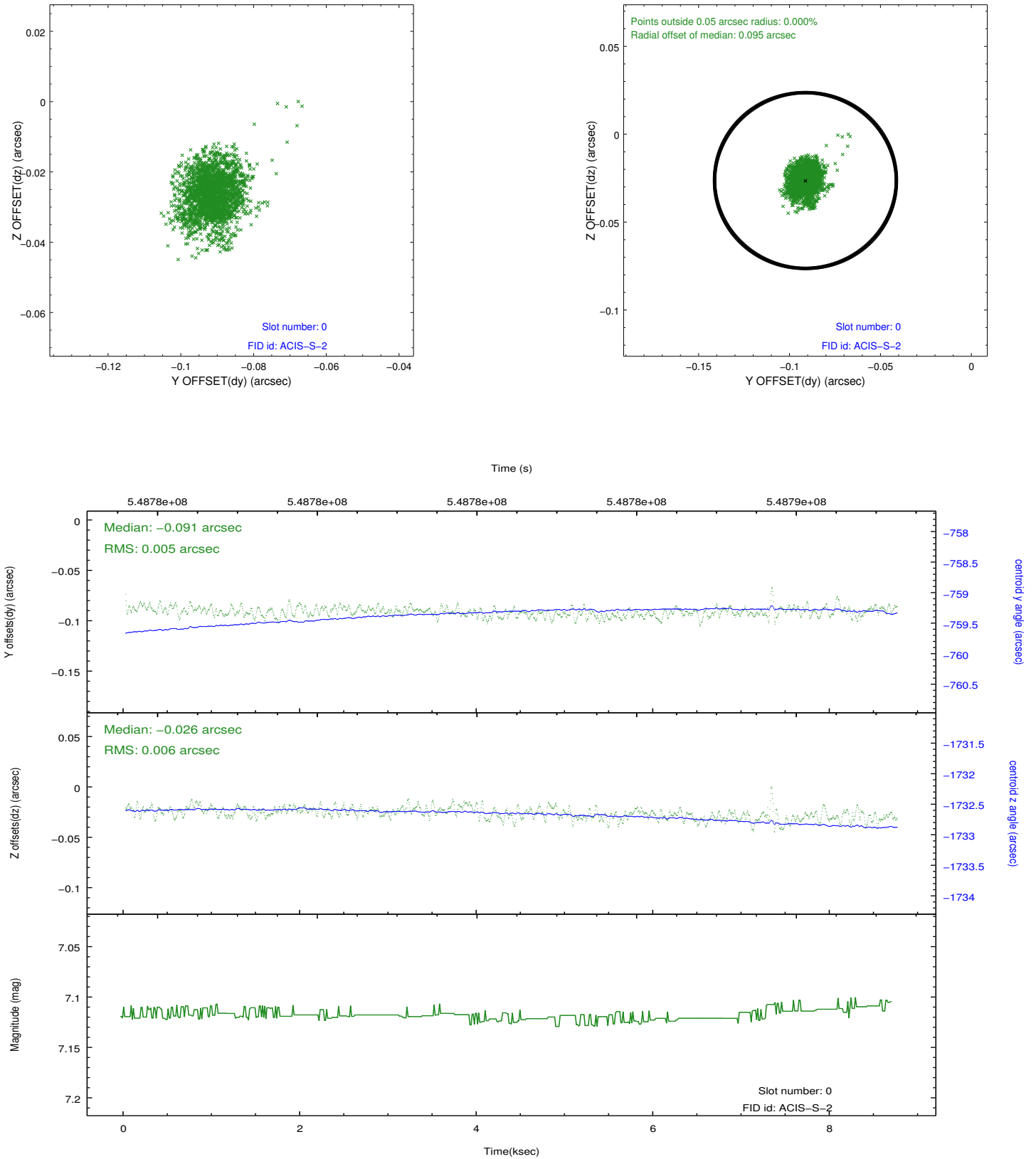


2.4.5 Slot 7

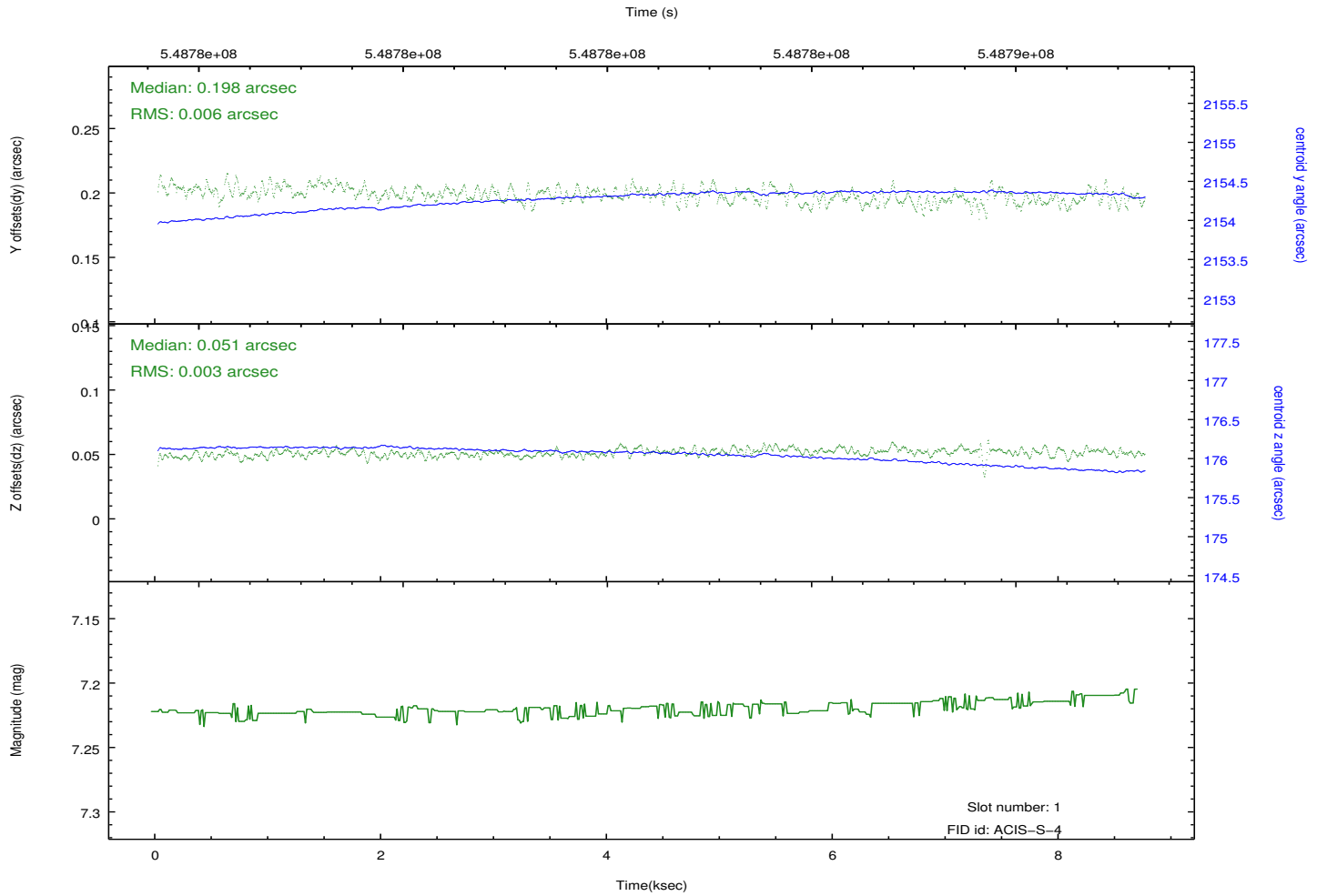
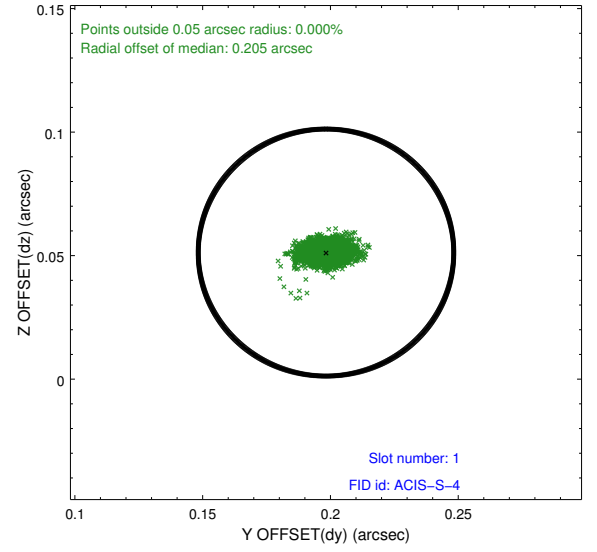
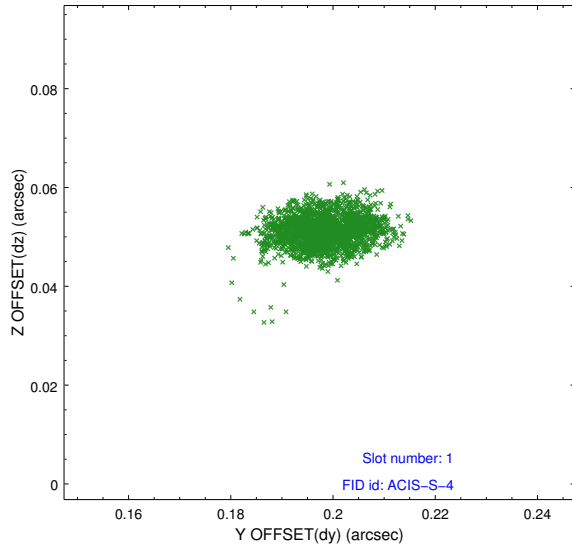


2.5 FID Slots

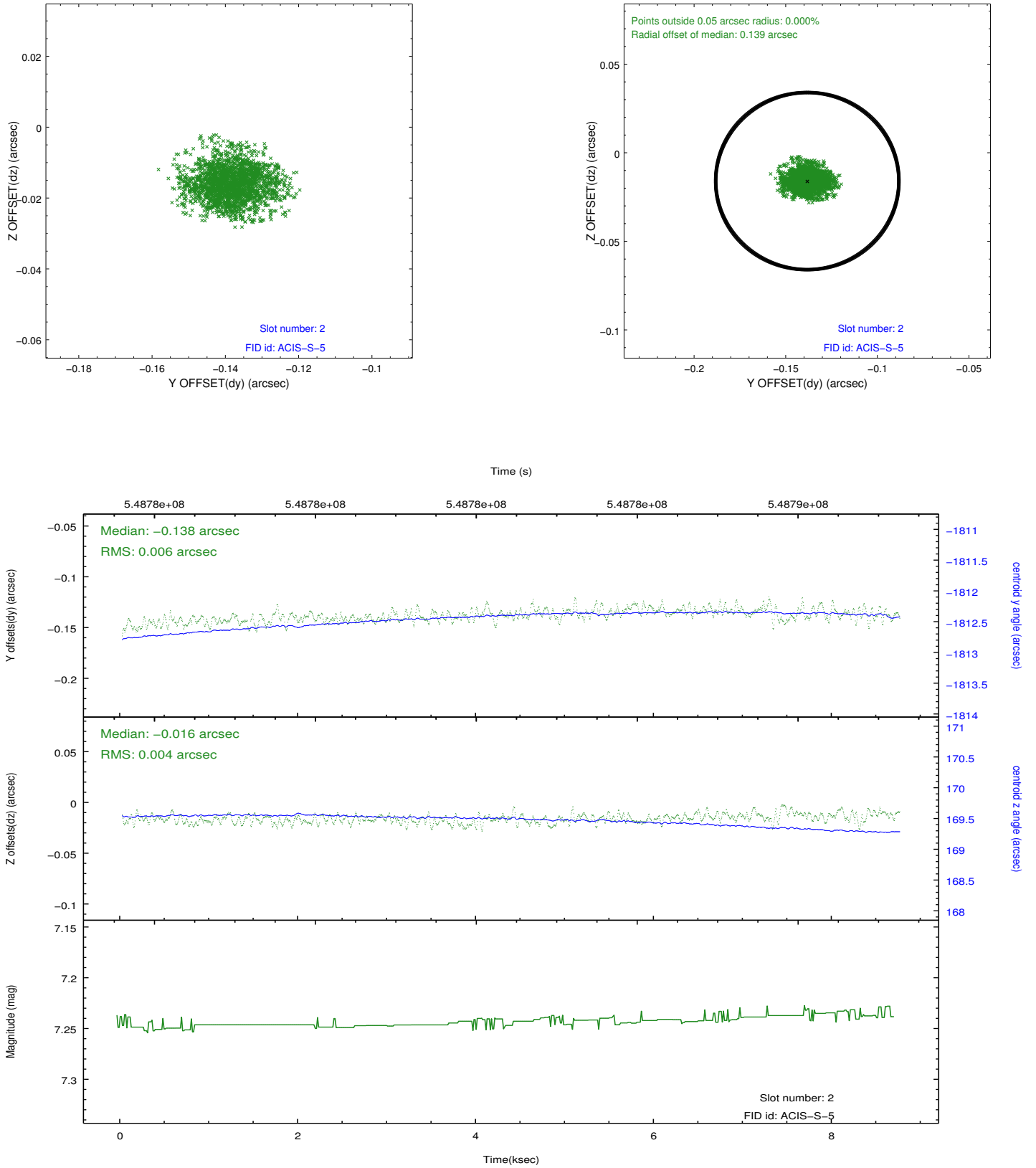
2.5.1 Slot 0



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)	2015.05.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.7141000671387

A.2 Comments