

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12860 - L2 Version 2
Chandra X-Ray Center

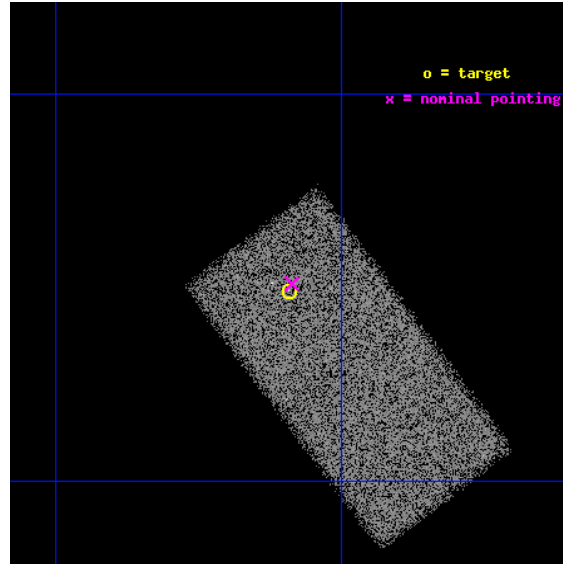
L2 Processing Date : Feb 28 2012

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1 Front

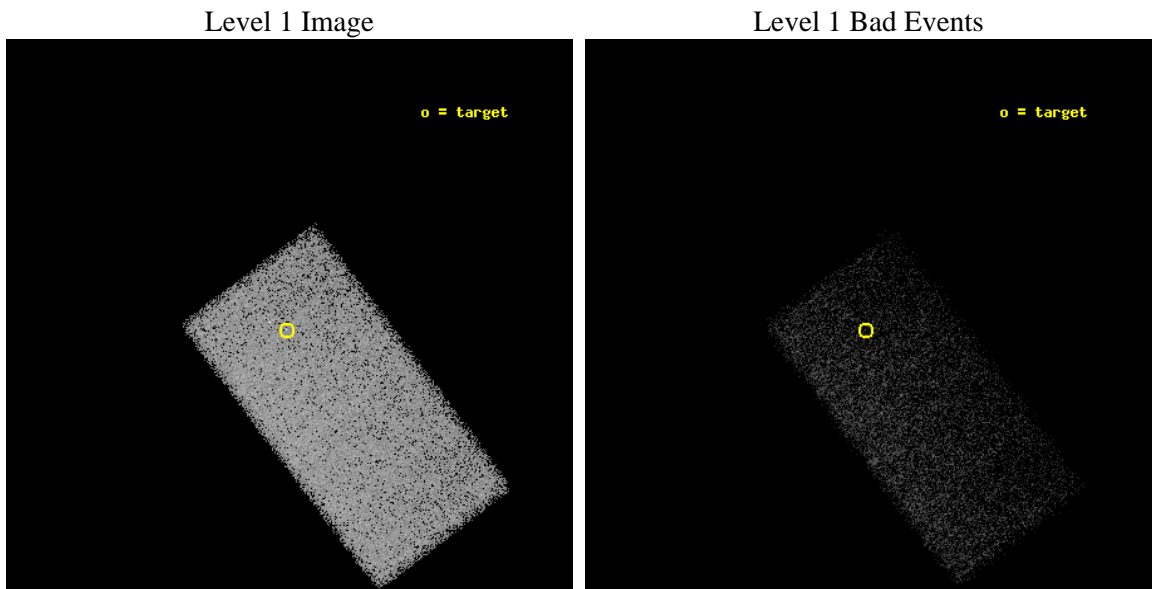
seq_num	702493	Sequence number
obs_id	12860	Observation id
title	Extreme Velocity Quasar Outflows and the Role of X-Ray Shielding	P
observer	Fred Hamann	Principal investigator
object	J144105.53+045454.95	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	220.272917	Observer's specified target RA [deg]
dec_targ	4.91525	Observer's specified target Dec [deg]
ra_nom	220.27187412534	Nominal RA [deg]
dec_nom	4.9180750146663	Nominal Dec [deg]
roll_nom	53.017832877373	Nominal Roll [deg]
revision	2	Processing version of data
ontime	22047.0	Sum of GTIs [s]
livetime	21459.858277527	Livetime [s]
ontime7	22047.0	Sum of GTIs [s]
l2events	42313	Number of level 2 events



2 OBI

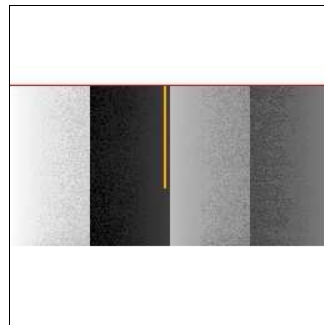
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	22000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	22047.0	Sum of GTIs [s]
caldbver	4.4.8	 	ontime7	22047.0	Sum of GTIs [s]
date	2012-02-28T16:54:16	Date and time of file creation	l1events	92447	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

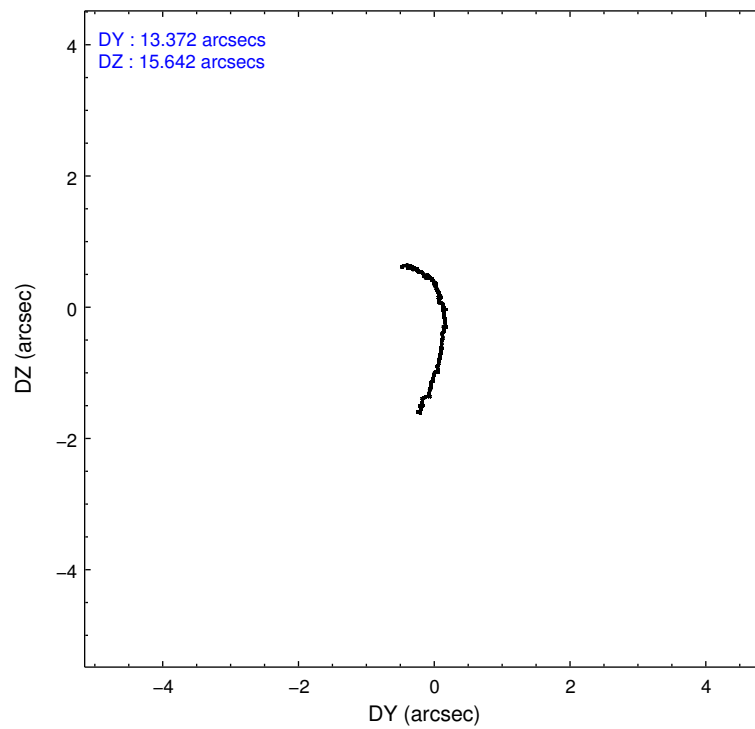
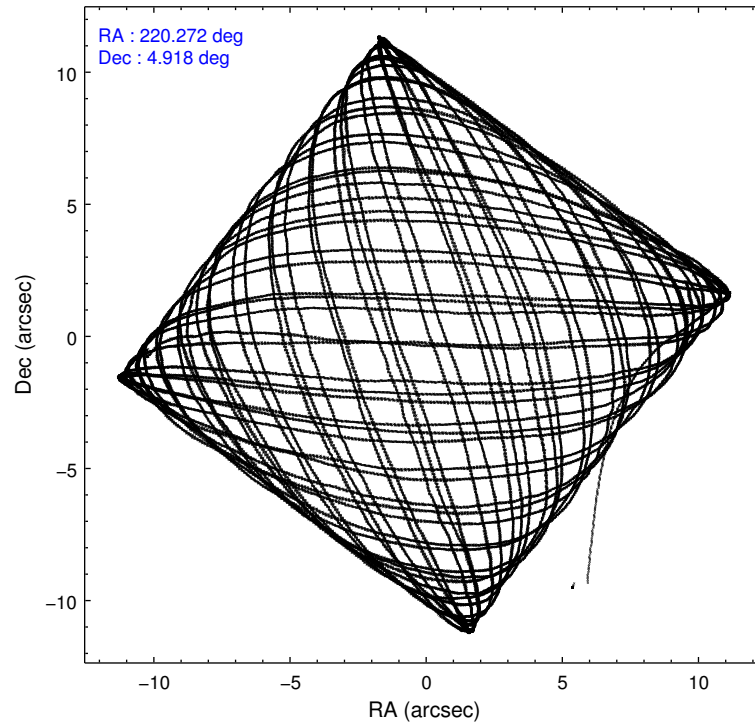
	ccd 7
level 1 events	92447
rejected events	49000
rejected %	53%

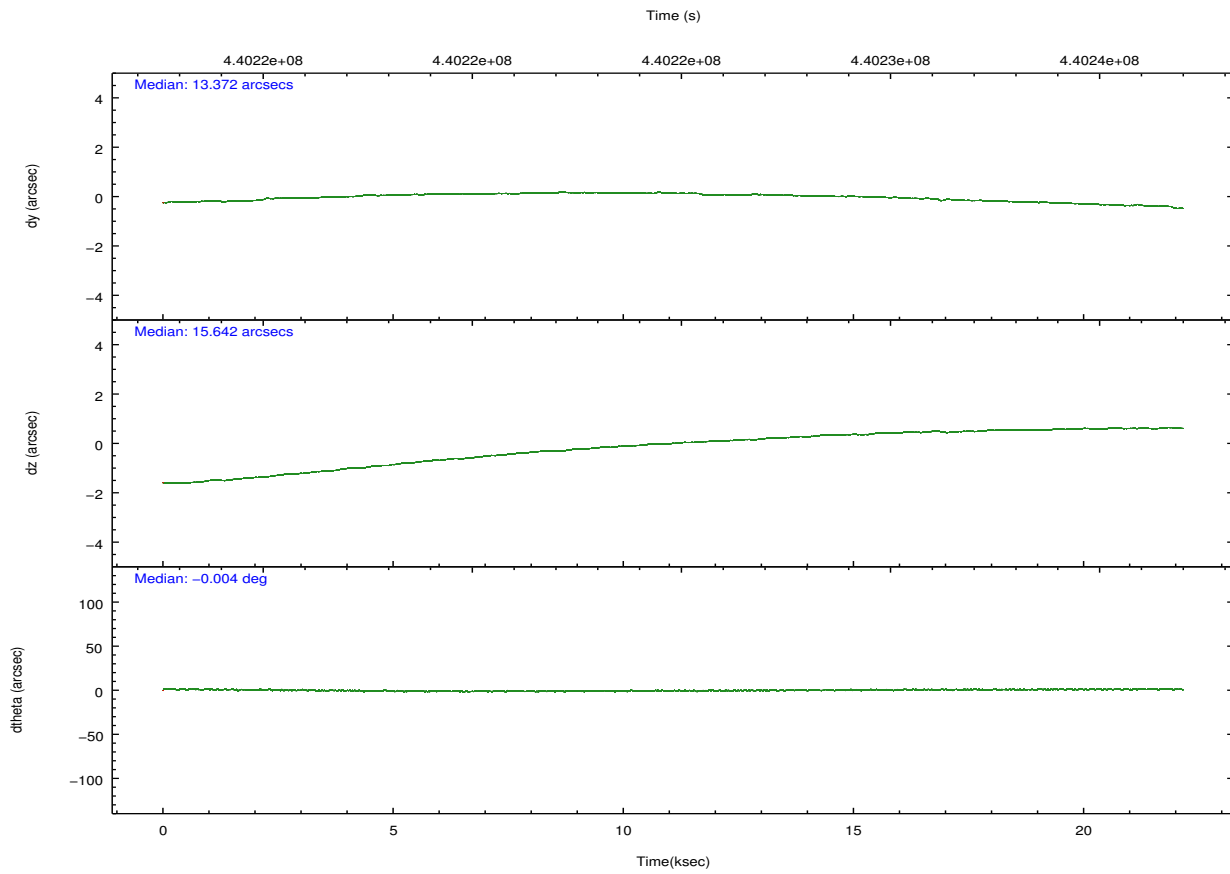
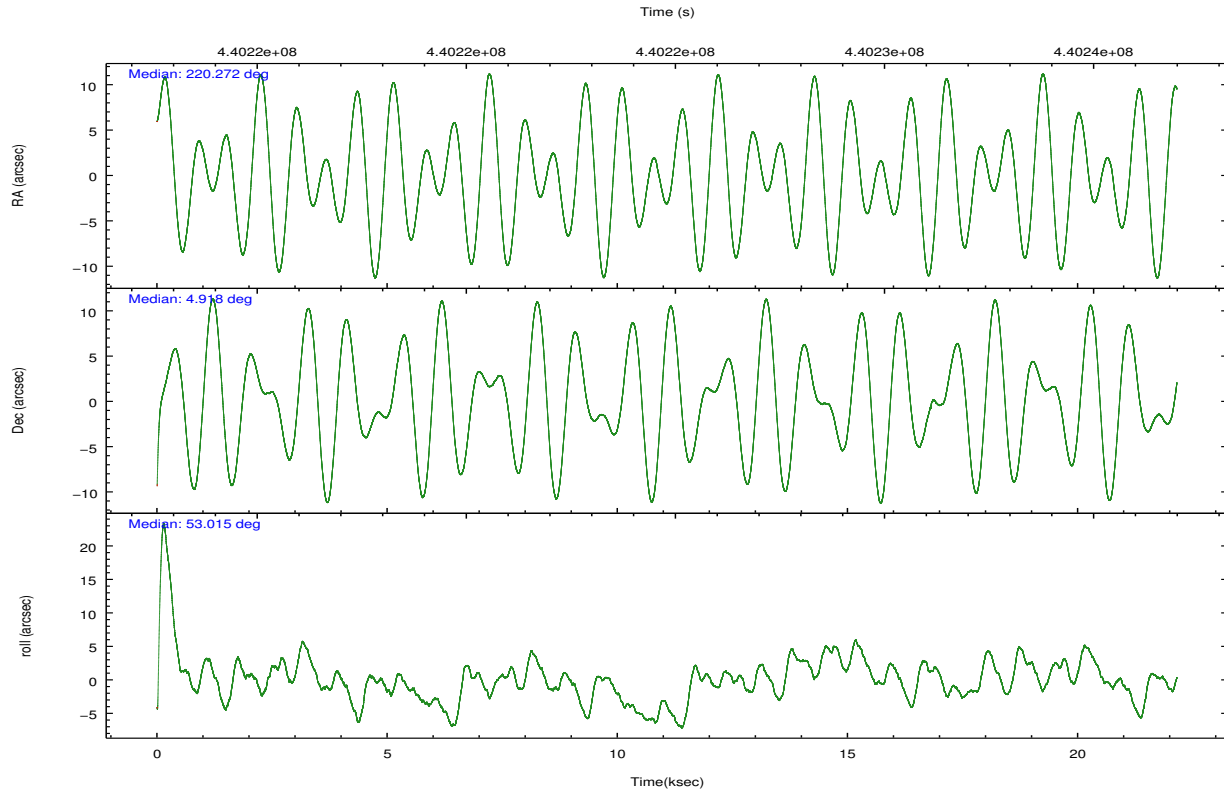
	ccd 7
grade 0 events	4334
	4%
grade 1 events	142
	0%
grade 2 events	8809
	9%
grade 3 events	4392
	4%
grade 4 events	4398
	4%
grade 5 events	9830
	10%
grade 6 events	21520
	23%
grade 7 events	39022
	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	220.268889	220.2718741253368	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	4.890901	4.918075014666286	Subarray start row	257	257
[deg] Pointing Roll	52.861475	53.01783287737319	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.5
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	440213885.184000	440212919.48894			
Observation start date	2011-12-14T01:36:59	2011-12-14T01:21:59			
[s] Observation end time (MET)	440235885.184000	440236138.30267			
Observation end date	2011-12-14T07:43:39	2011-12-14T07:48:58			
Read mode	TIMED	TIMED			

2.3 Aspect



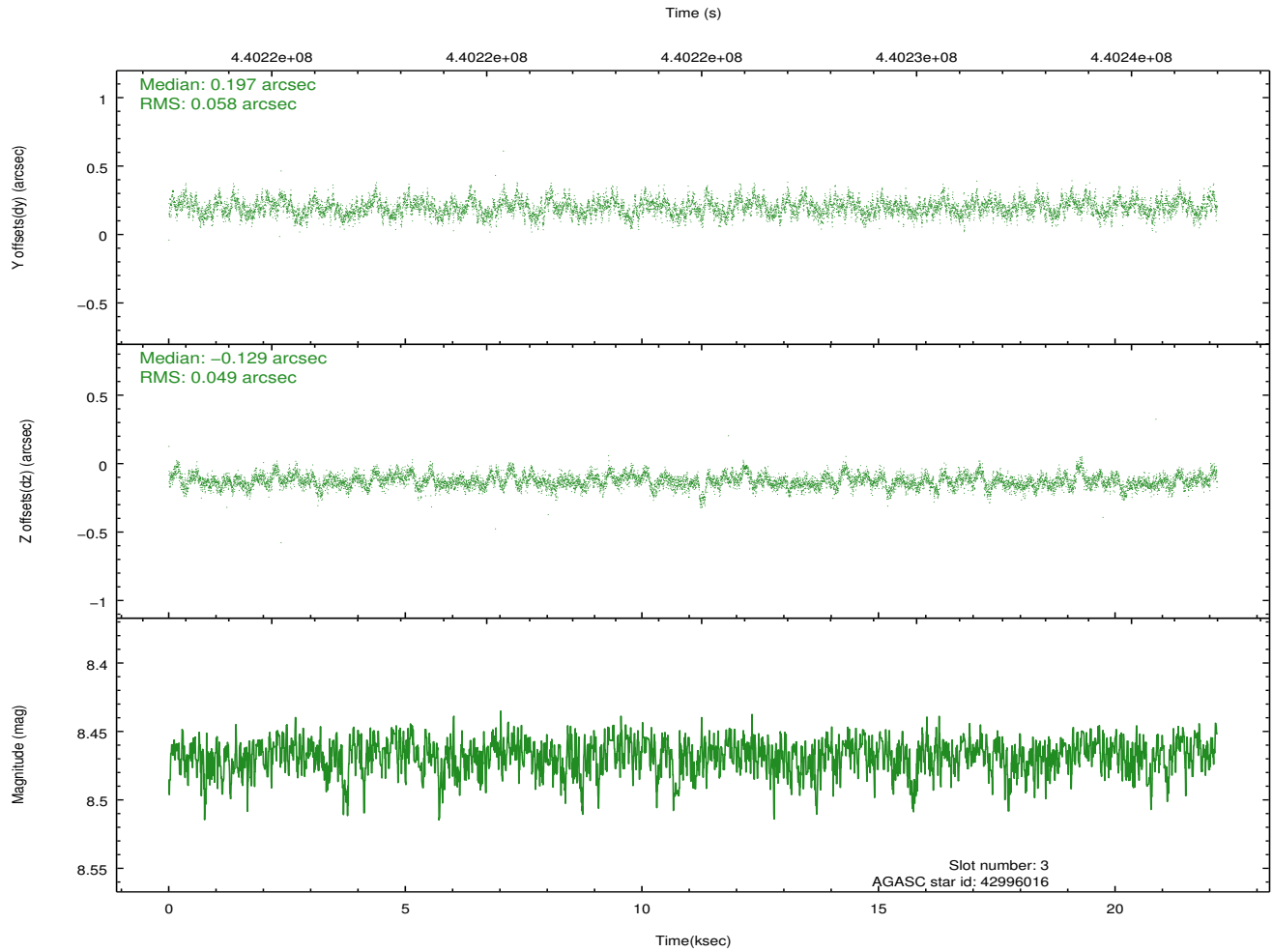
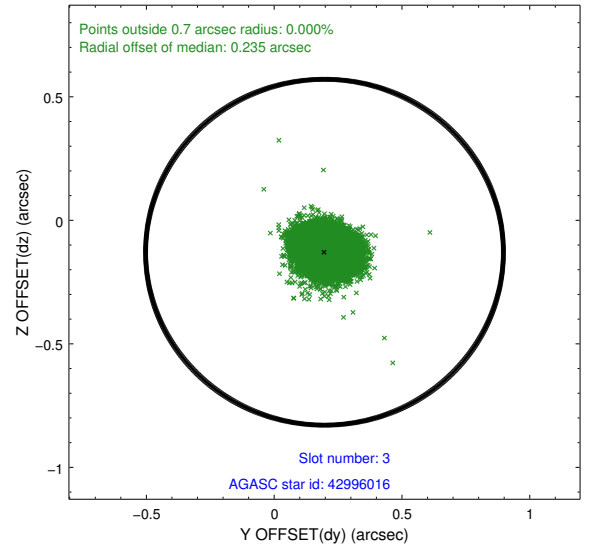
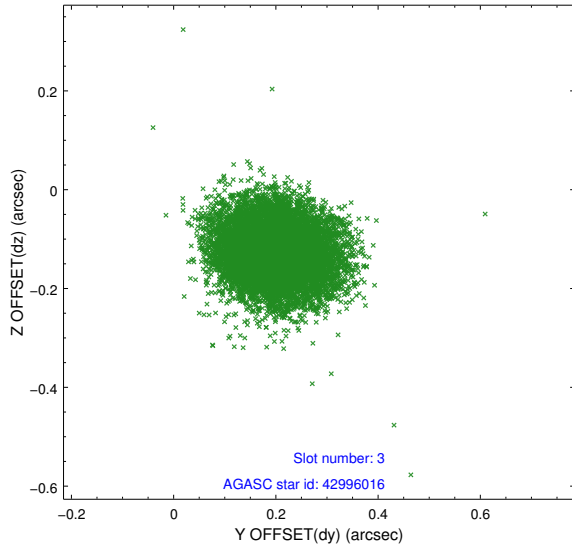


Slot Statistics

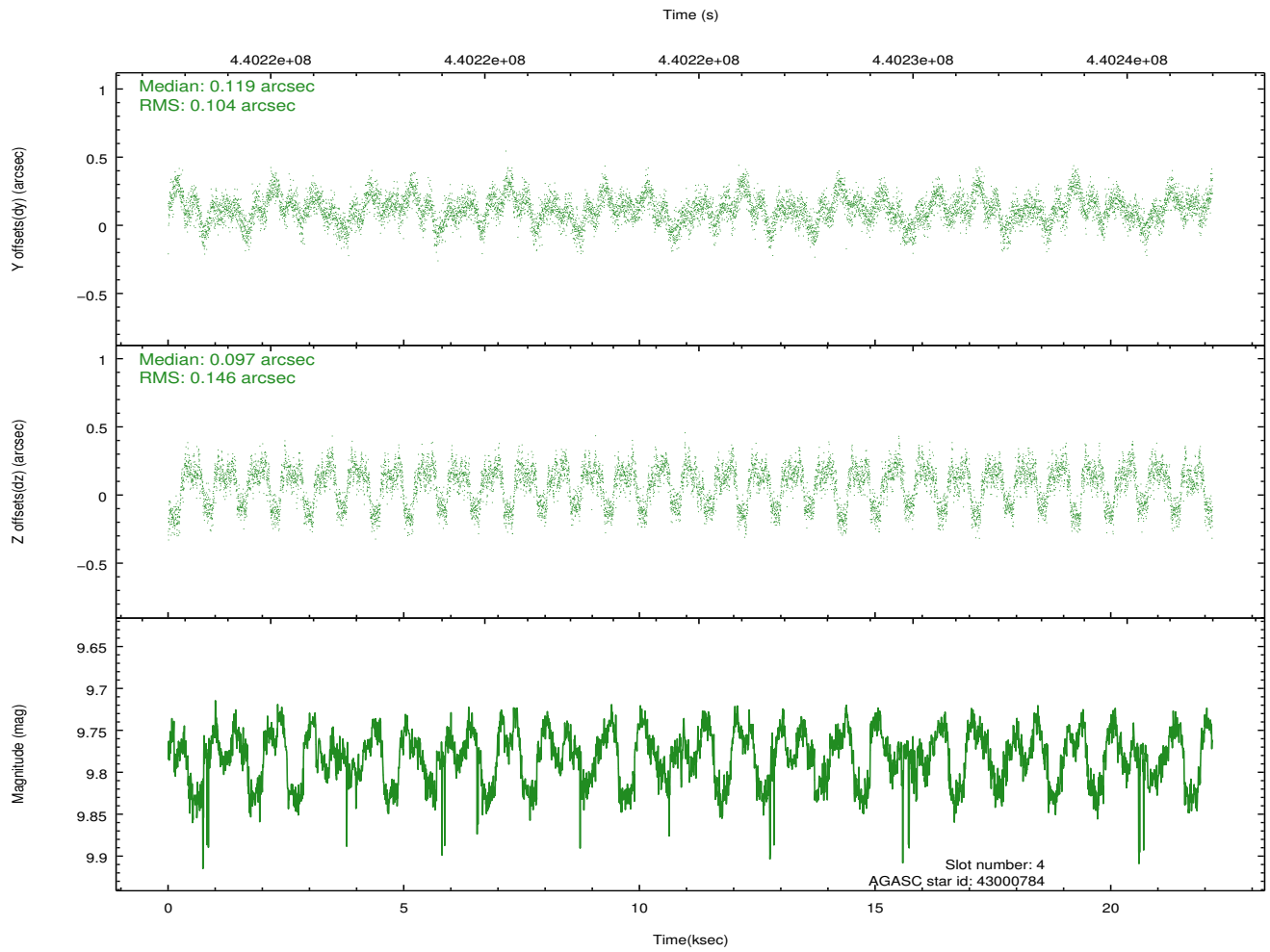
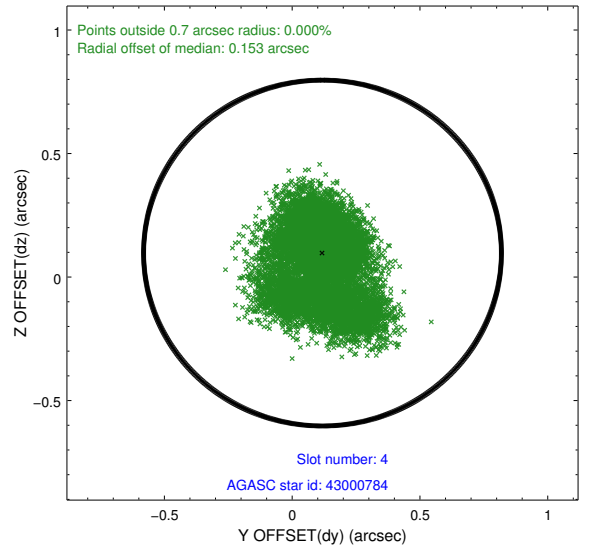
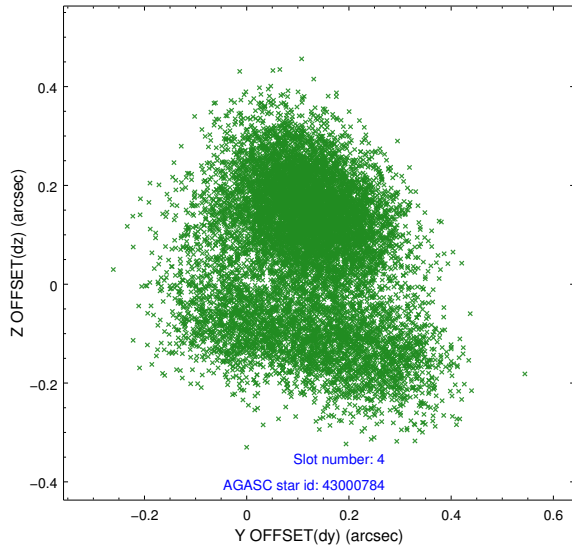
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	5404	-0.067	-0.019	0.016	0.031	0.000000	0.000000	-766.31	-1736.82
1	FID	ACIS-S-4	7.04	5403	0.232	0.040	0.013	0.023	0.000000	0.000000	2147.18	171.58
2	FID	ACIS-S-5	7.07	5403	-0.195	-0.009	0.010	0.026	0.000000	0.000000	-1819.09	165.36
3	GUIDE	42996016	8.47	10802	0.197	-0.129	0.080	0.132	219.603215	4.854192	-1545.75	1823.83
4	GUIDE	43000784	9.78	10800	0.119	0.097	0.194	0.315	219.989925	4.620386	-1380.72	211.10
5	GUIDE	43124048	9.26	10788	-0.055	0.196	0.135	0.208	220.636195	4.664050	145.20	-1543.43
6	GUIDE	43517736	9.74	10769	-0.037	0.177	0.135	0.216	220.619958	5.316983	1982.94	-76.96
7	GUIDE	43518104	8.36	10738	-0.217	-0.304	0.103	0.163	220.081388	5.462916	1236.21	1779.04

2.4 Star Slots

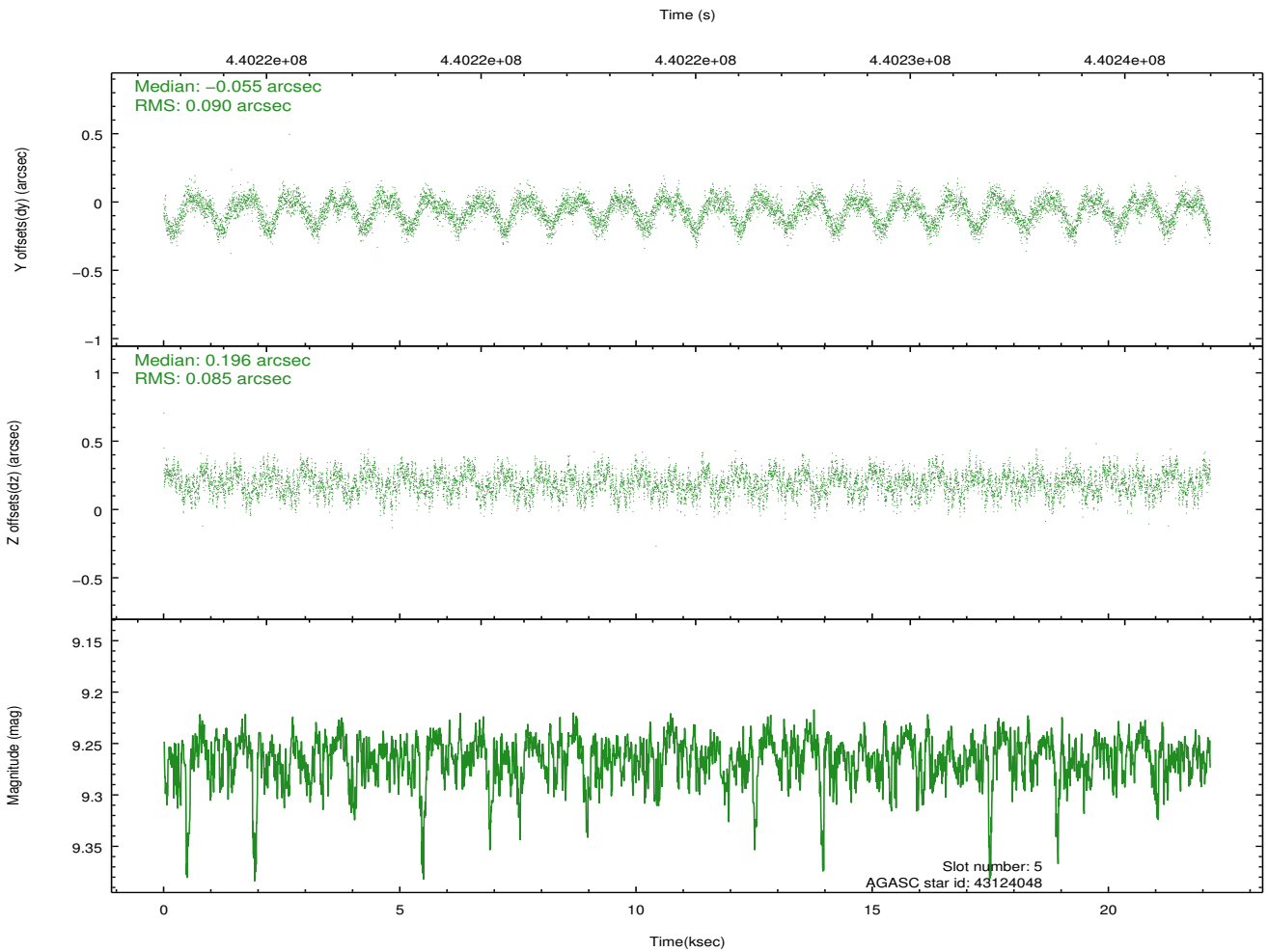
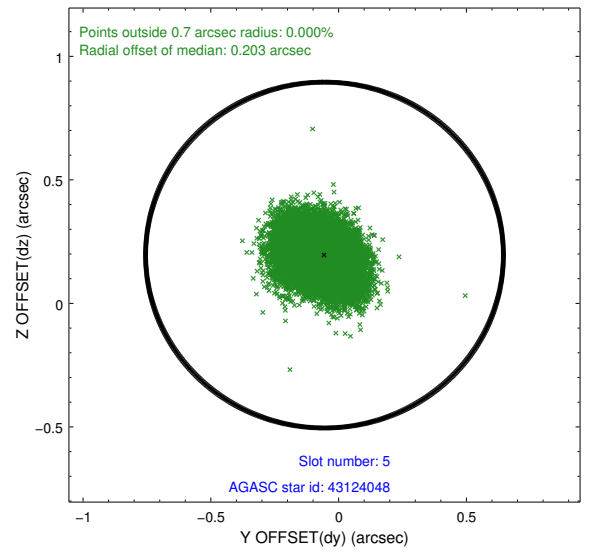
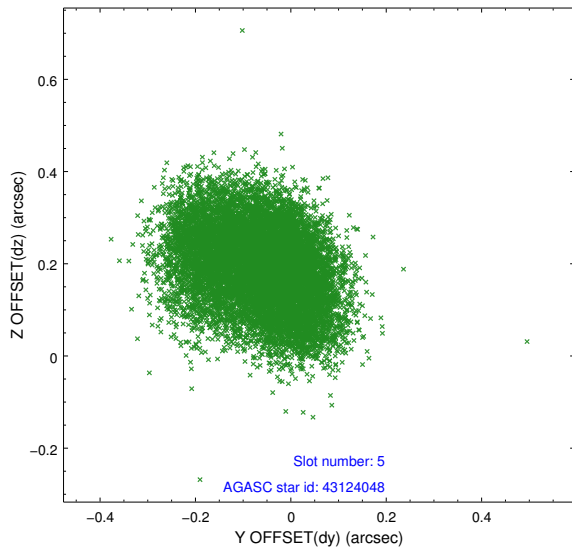
2.4.1 Slot 3



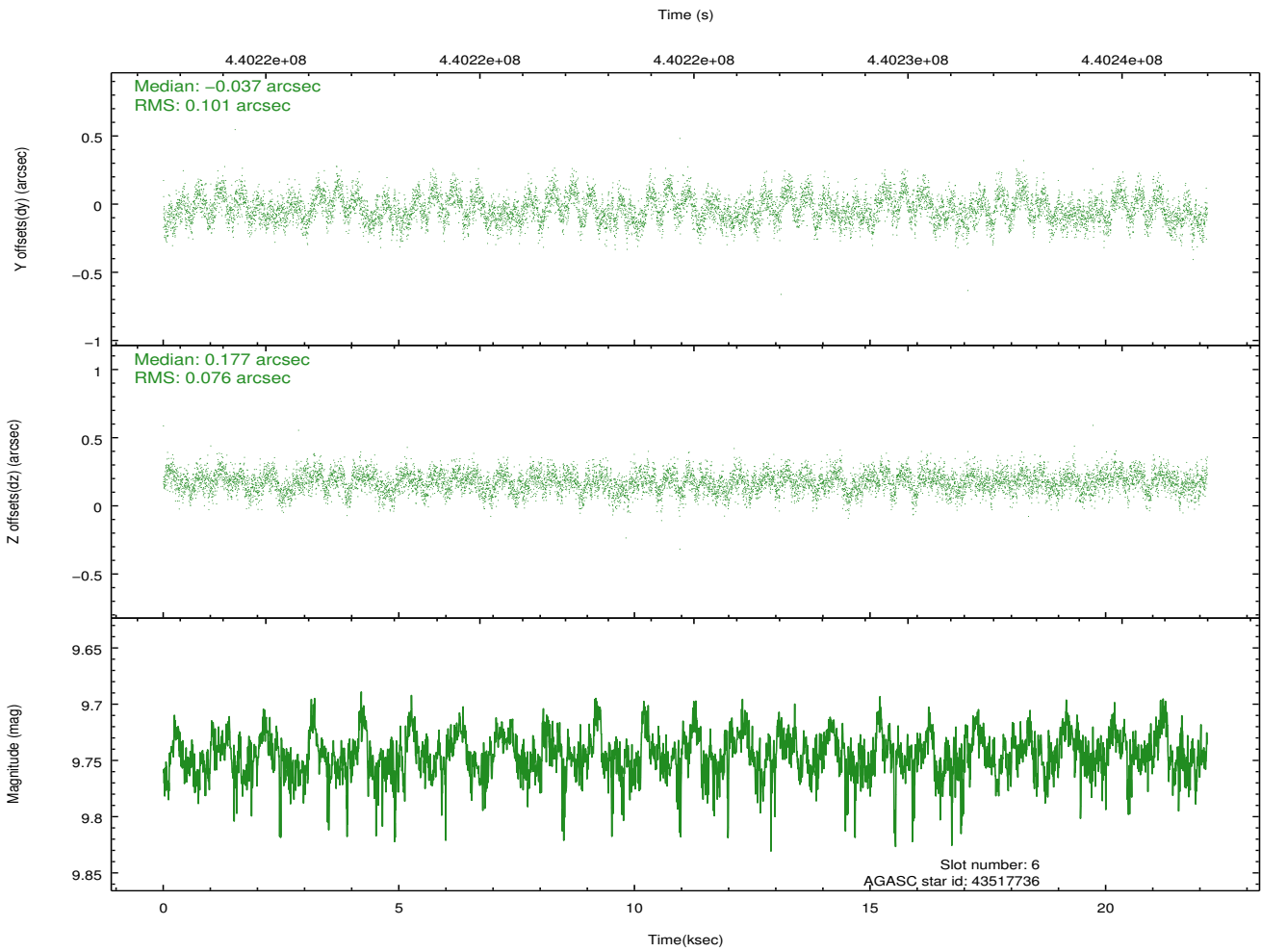
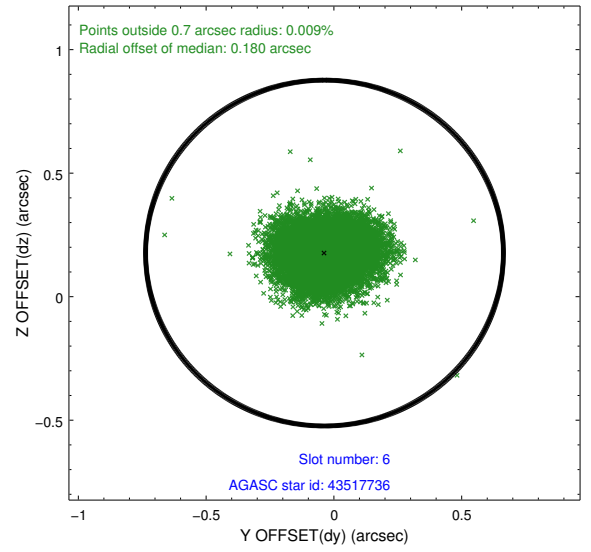
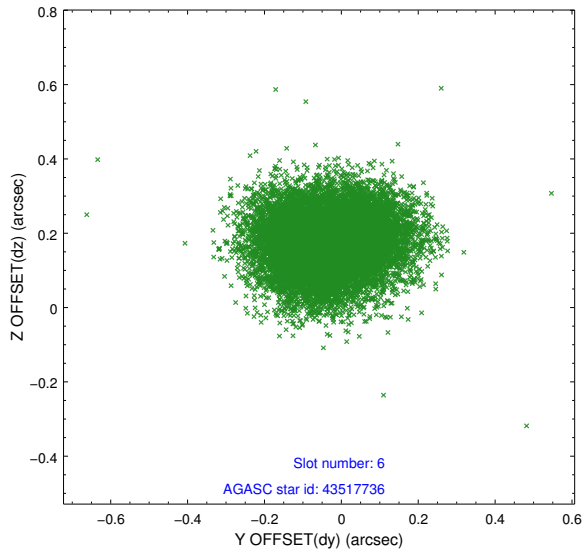
2.4.2 Slot 4



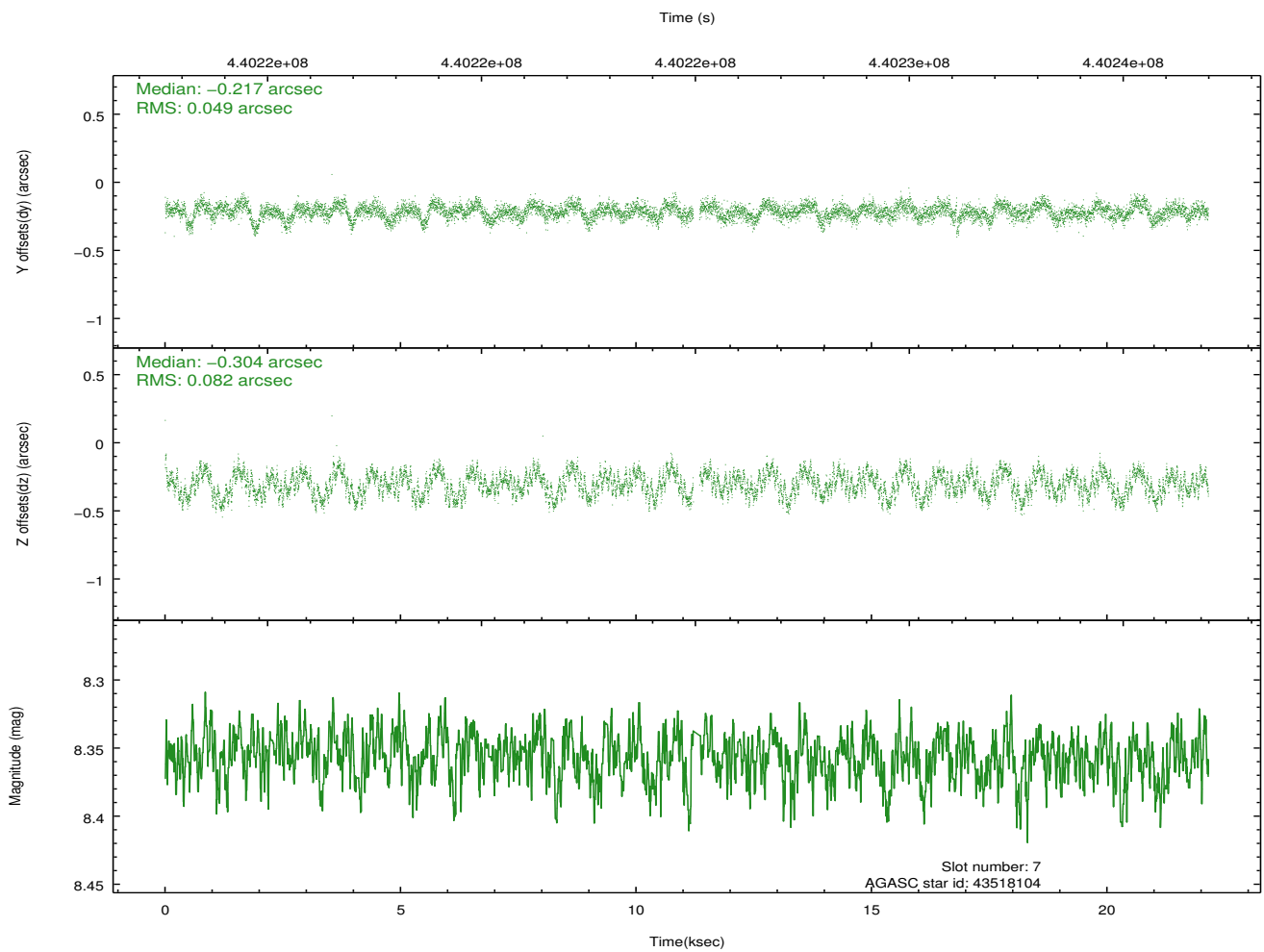
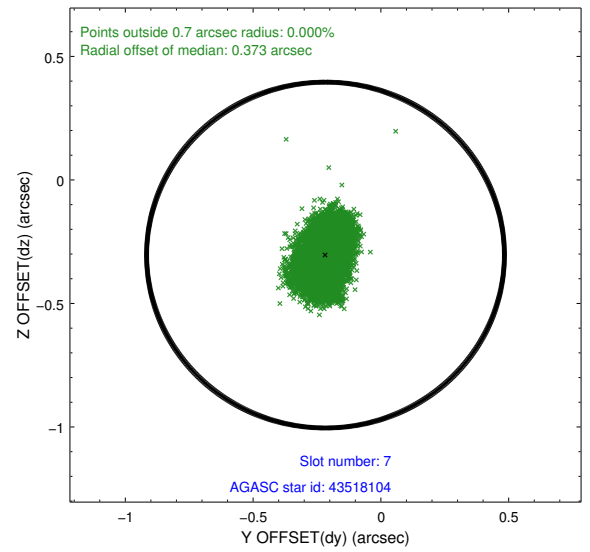
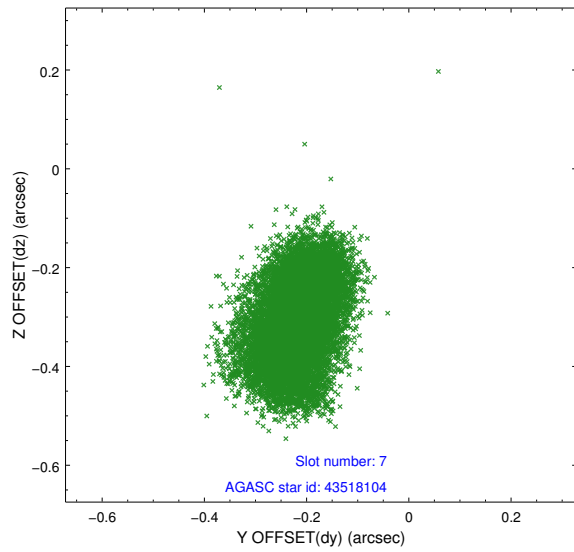
2.4.3 Slot 5



2.4.4 Slot 6

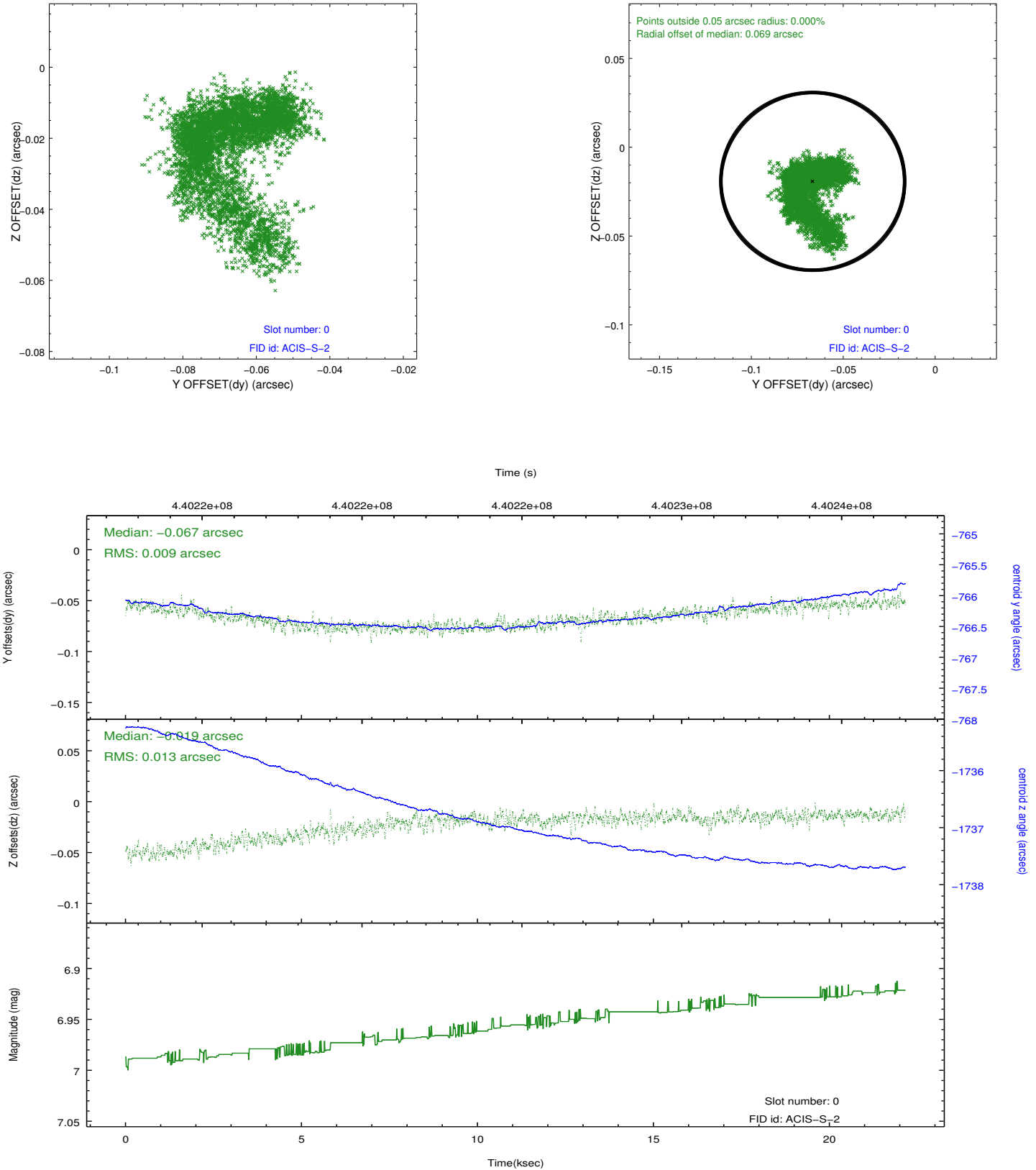


2.4.5 Slot 7

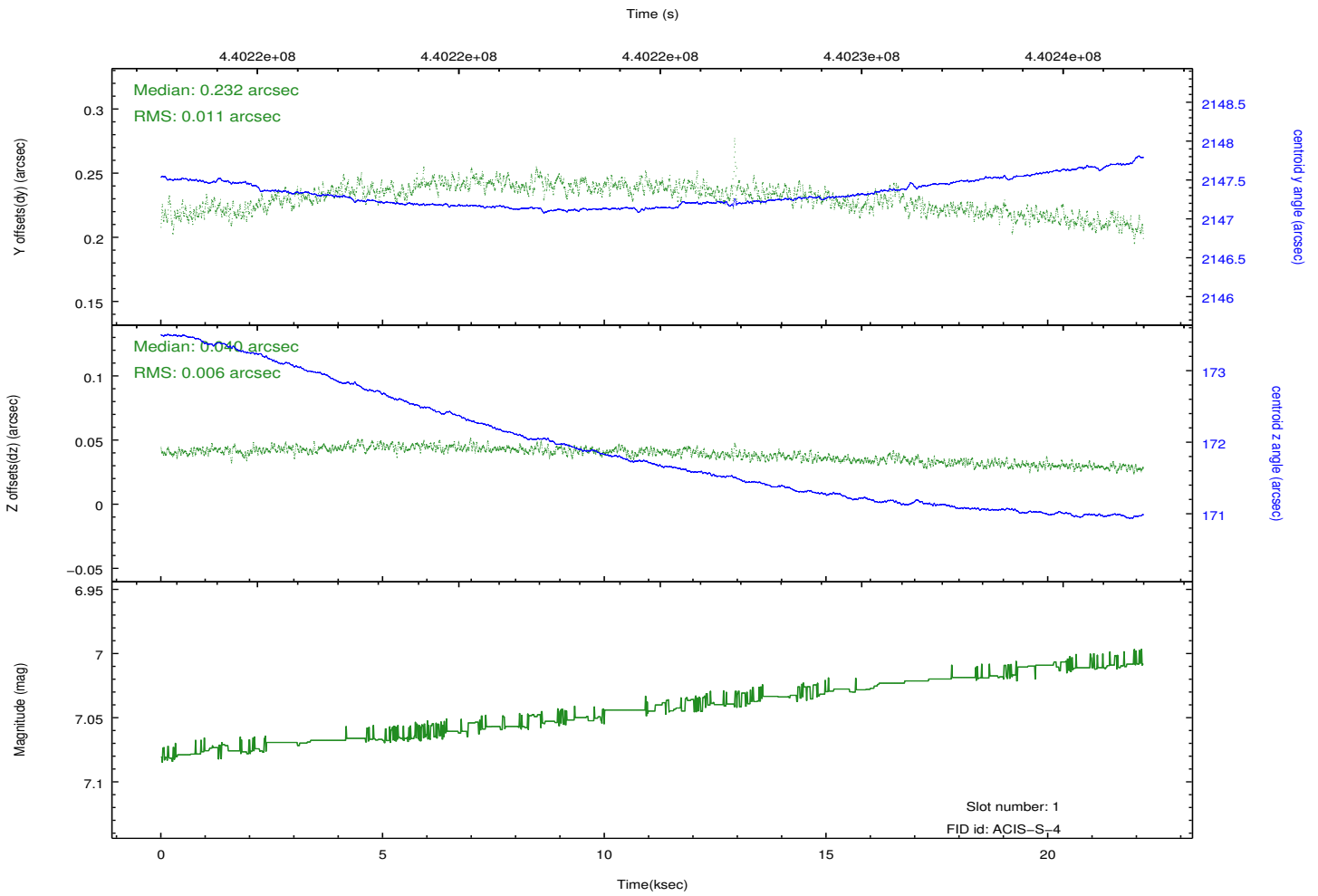
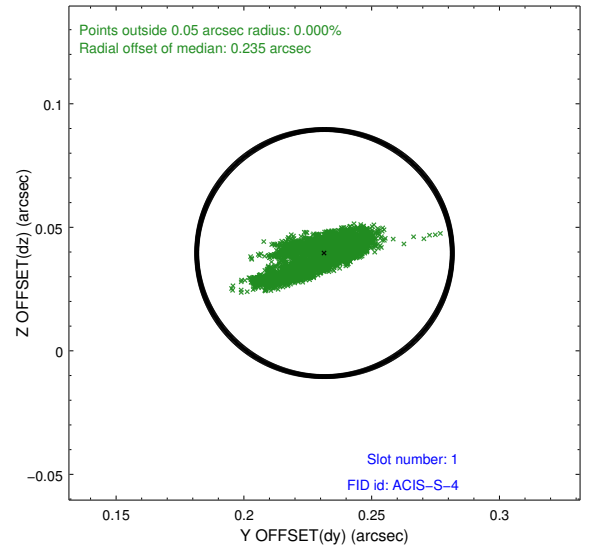
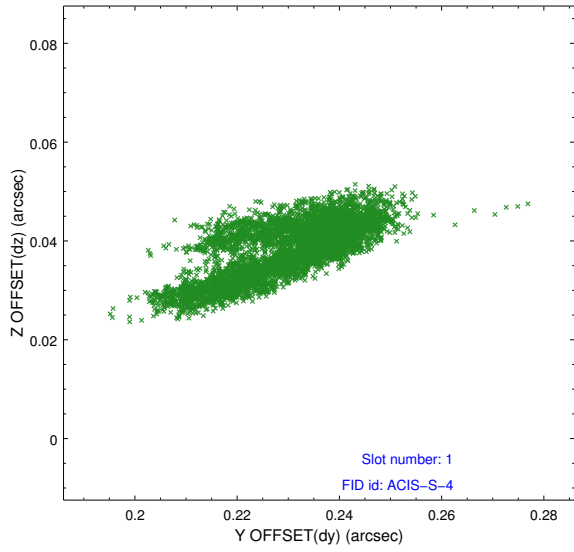


2.5 FID Slots

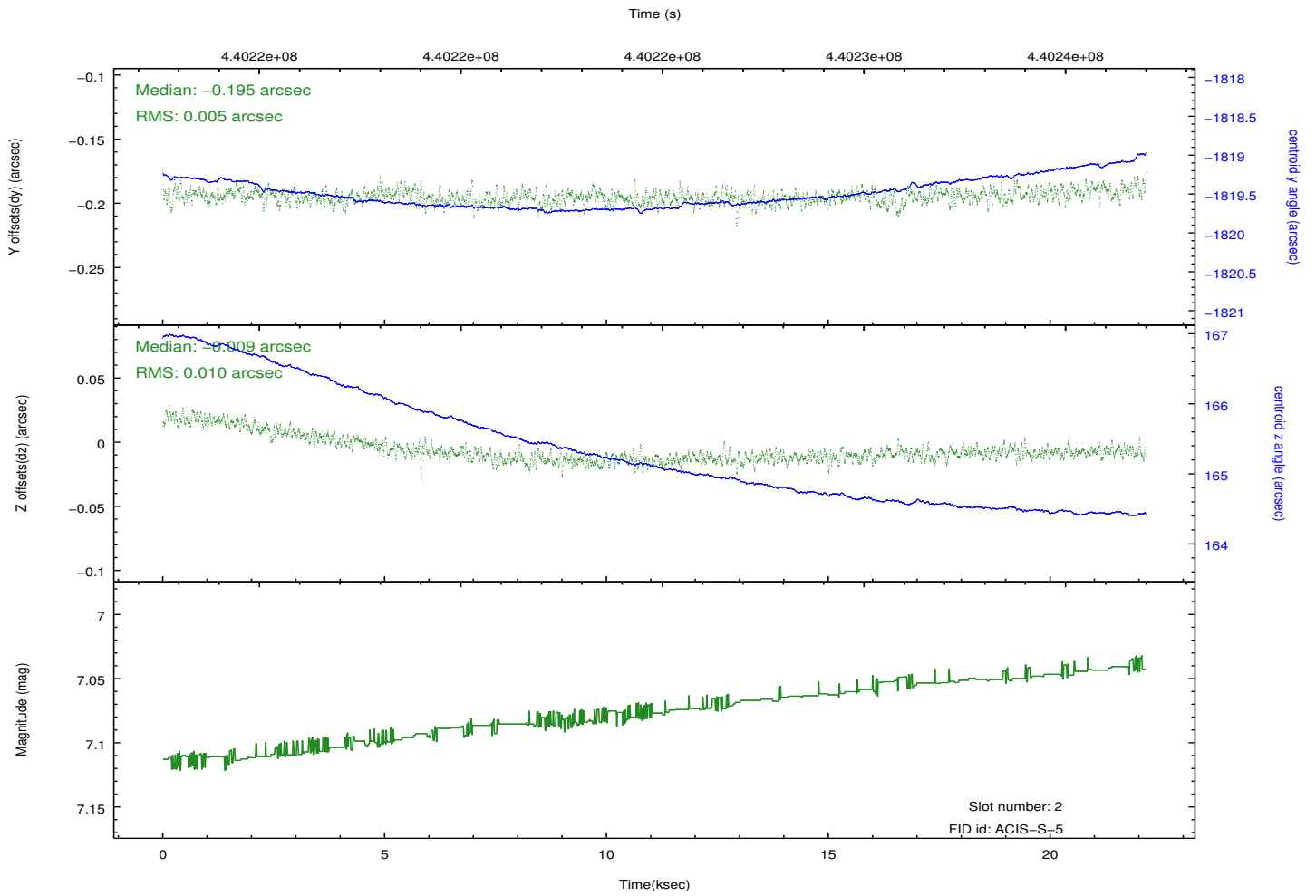
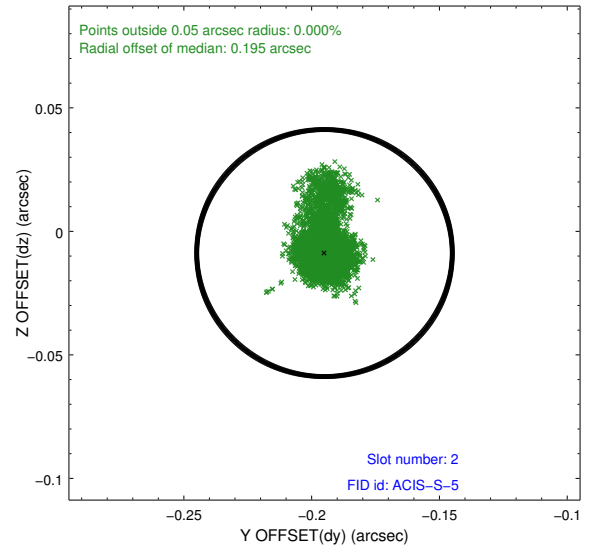
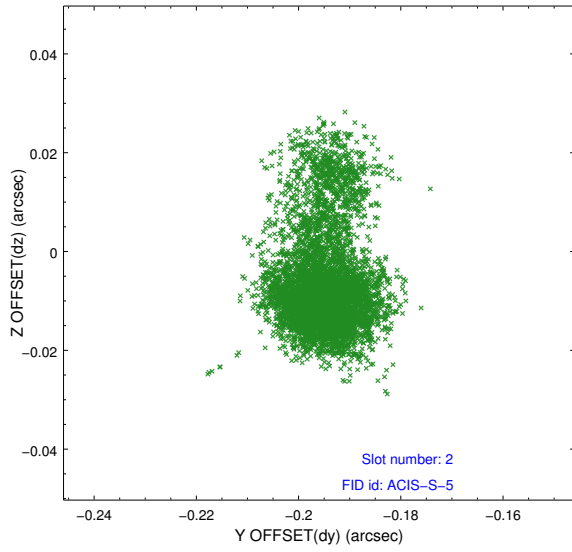
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.047

A.2 Comments