

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17046 - L2 Version 1
Chandra X-Ray Center

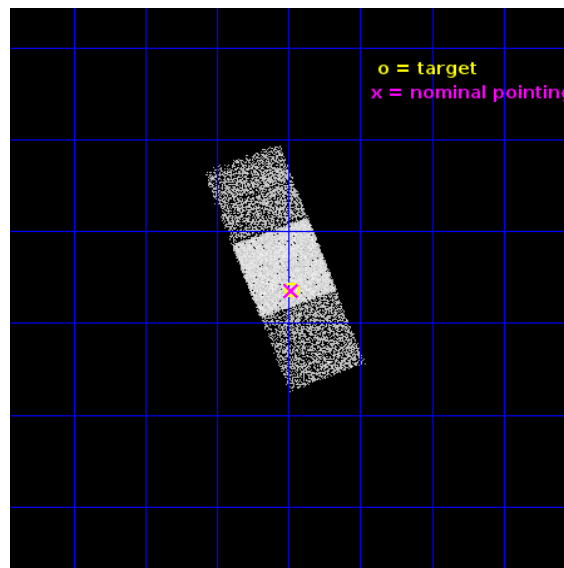
L2 Processing Date : Apr 23 2016

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1 Front

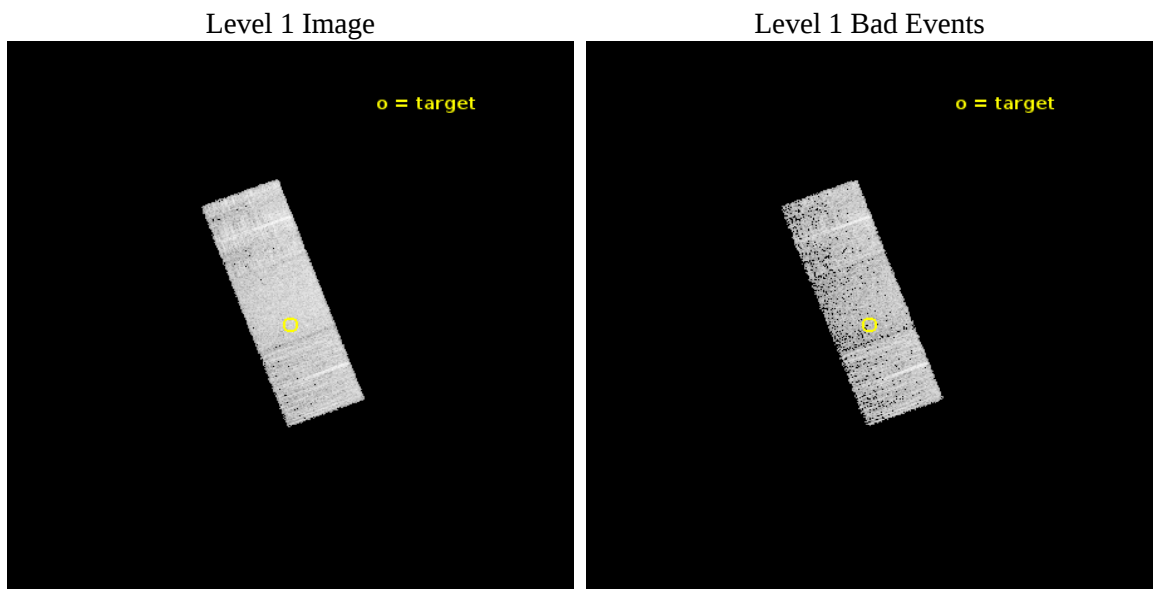
seq_num	703050	Sequence number
obs_id	17046	Observation id
title	The Nature of Quasars with Redshifted Broad Absorption Lines	Propo
observer	William Brandt	Principal investigator
object	SDSS J1128+0113	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.117917	Observer's specified target RA [deg]
dec_targ	1.227194	Observer's specified target Dec [deg]
ra_nom	172.12003548624	Nominal RA [deg]
dec_nom	1.2254239002708	Nominal Dec [deg]
roll_nom	249.29739982021	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5508.7000424862	Sum of GTIs [s]
livetime	5436.7248209851	Livetime [s]
ontime6	5508.7000424862	Sum of GTIs [s]
ontime7	5508.7000424862	Sum of GTIs [s]
ontime8	5508.7000424862	Sum of GTIs [s]
l2events	24507	Number of level 2 events



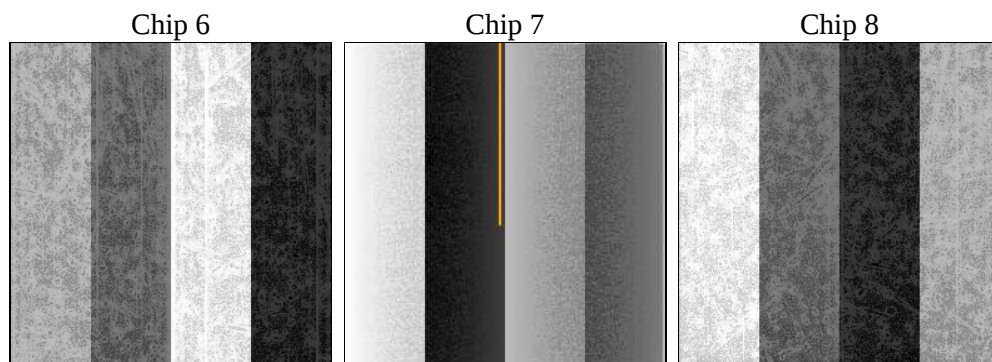
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5400.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	5508.7000424862	Sum of GTIs [s]
caldsver	4.7.1	 	ontime6	5508.7000424862	Sum of GTIs [s]
date	2016-04-23T18:58:47	Date and time of file creation	ontime7	5508.7000424862	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	5508.7000424862	Sum of GTIs [s]
			l1events	120122	Number of level 1 events

2.1.4 Events

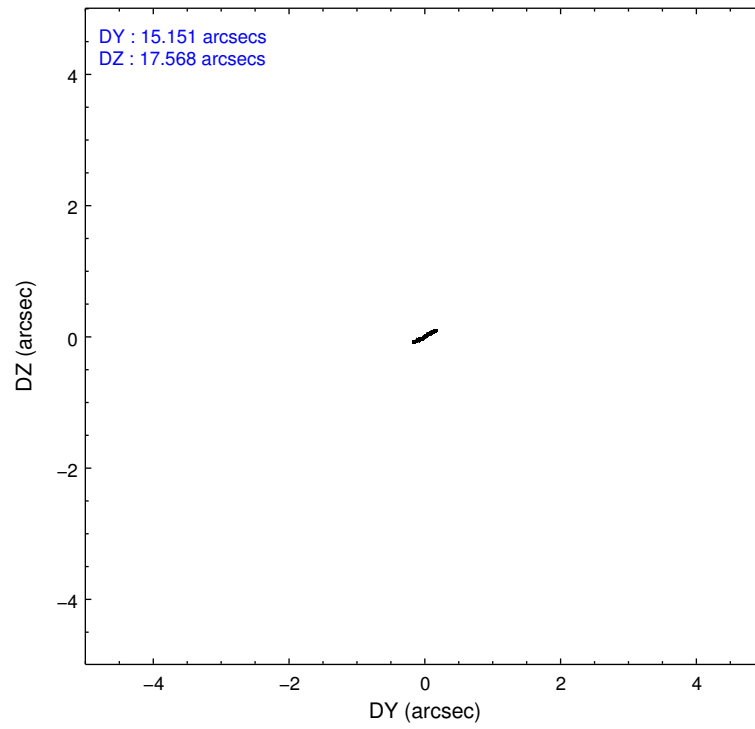
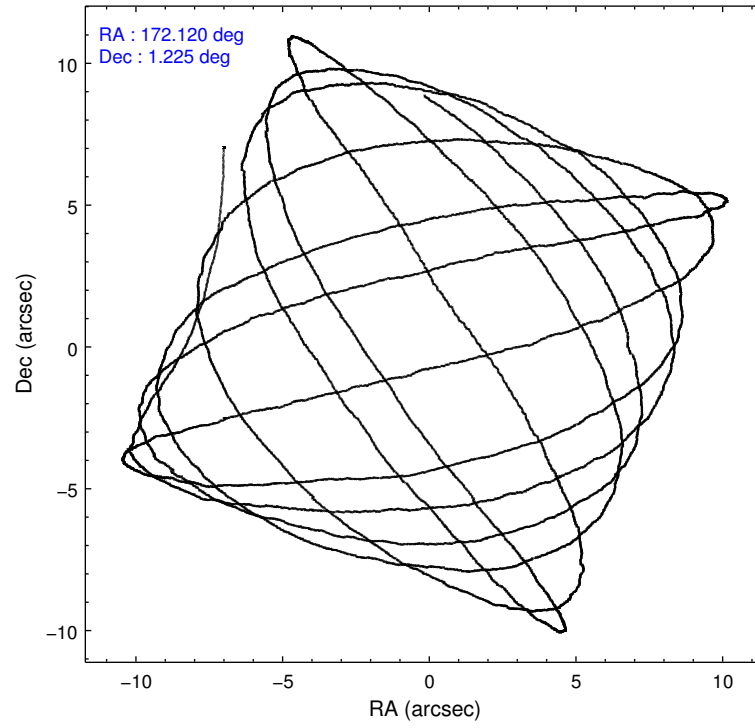
	ccd 6	ccd 7	ccd 8
level 1 events	34923	42523	42676
rejected events	31122	24505	31899
rejected %	89%	57%	74%

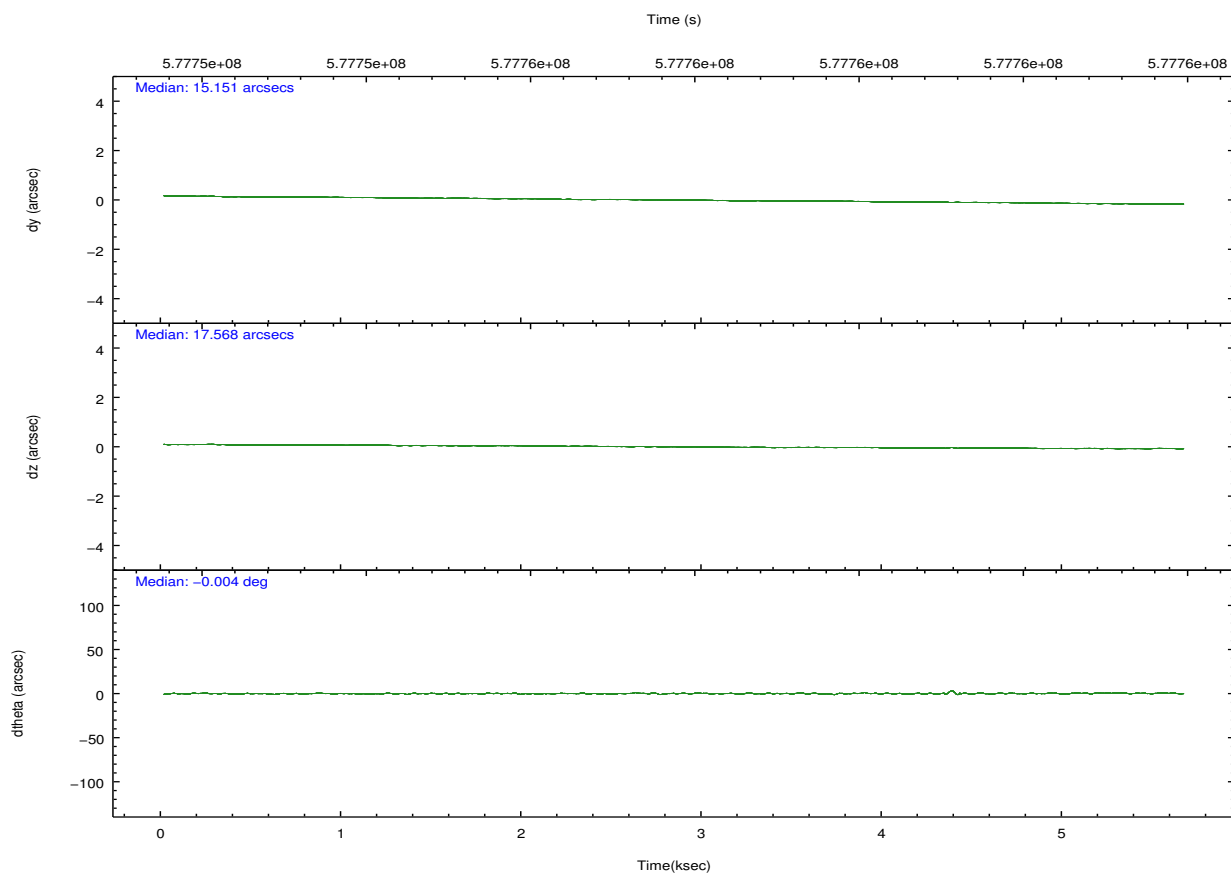
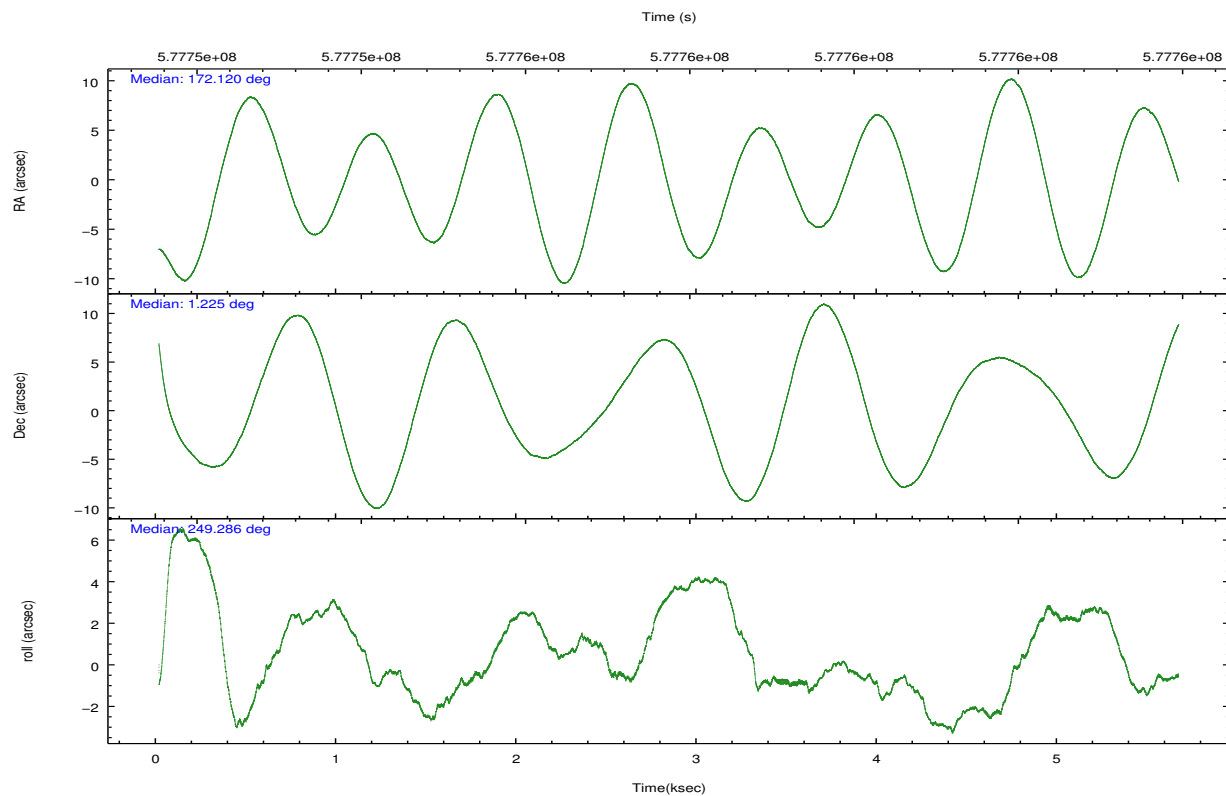
	ccd 6	ccd 7	ccd 8
grade 0 events	1306	1413	3064
	3%	3%	7%
grade 1 events	18	38	33
	0%	0%	0%
grade 2 events	894	3764	2707
	2%	8%	6%
grade 3 events	358	1336	1086
	1%	3%	2%
grade 4 events	361	1288	1048
	1%	3%	2%
grade 5 events	1587	4134	2309
	4%	9%	5%
grade 6 events	886	10244	2876
	2%	24%	6%
grade 7 events	29513	20306	29553
	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	172.115248	172.1200354862393	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.252523	1.225423900270804	Alternating exposures requested	N	N
[deg] Pointing Roll	249.140893	249.2973998202133	[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)	577753303.184000	577752428.23124			
Observation start date	2016-04-22T23:00:35	2016-04-22T22:47:08			
[s] Observation end time (MET)	577758703.184000	577759637.05665			
Observation end date	2016-04-23T00:30:35	2016-04-23T00:47:17			
Read mode	TIMED	TIMED			

2.3 Aspect



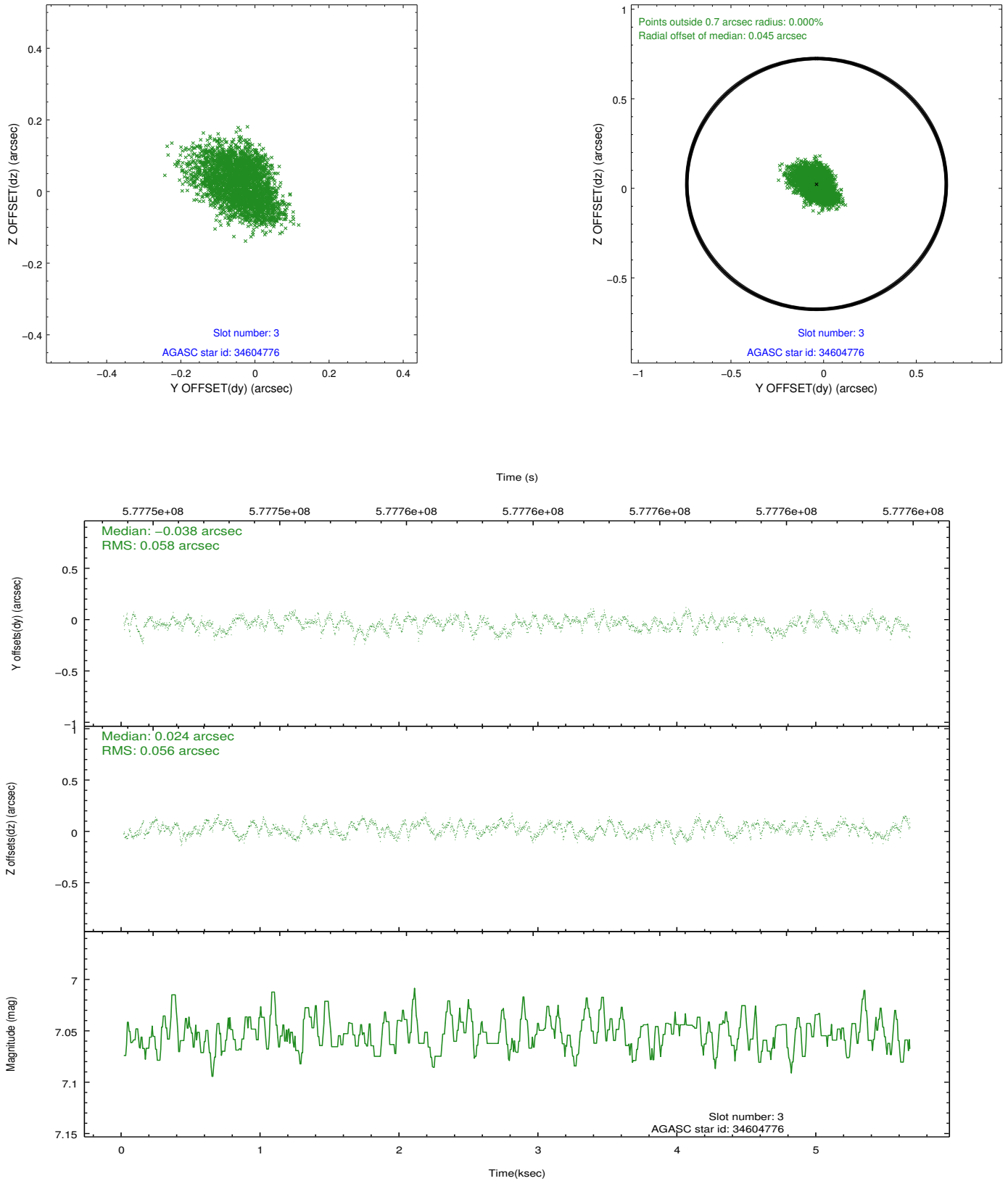


Slot Statistics

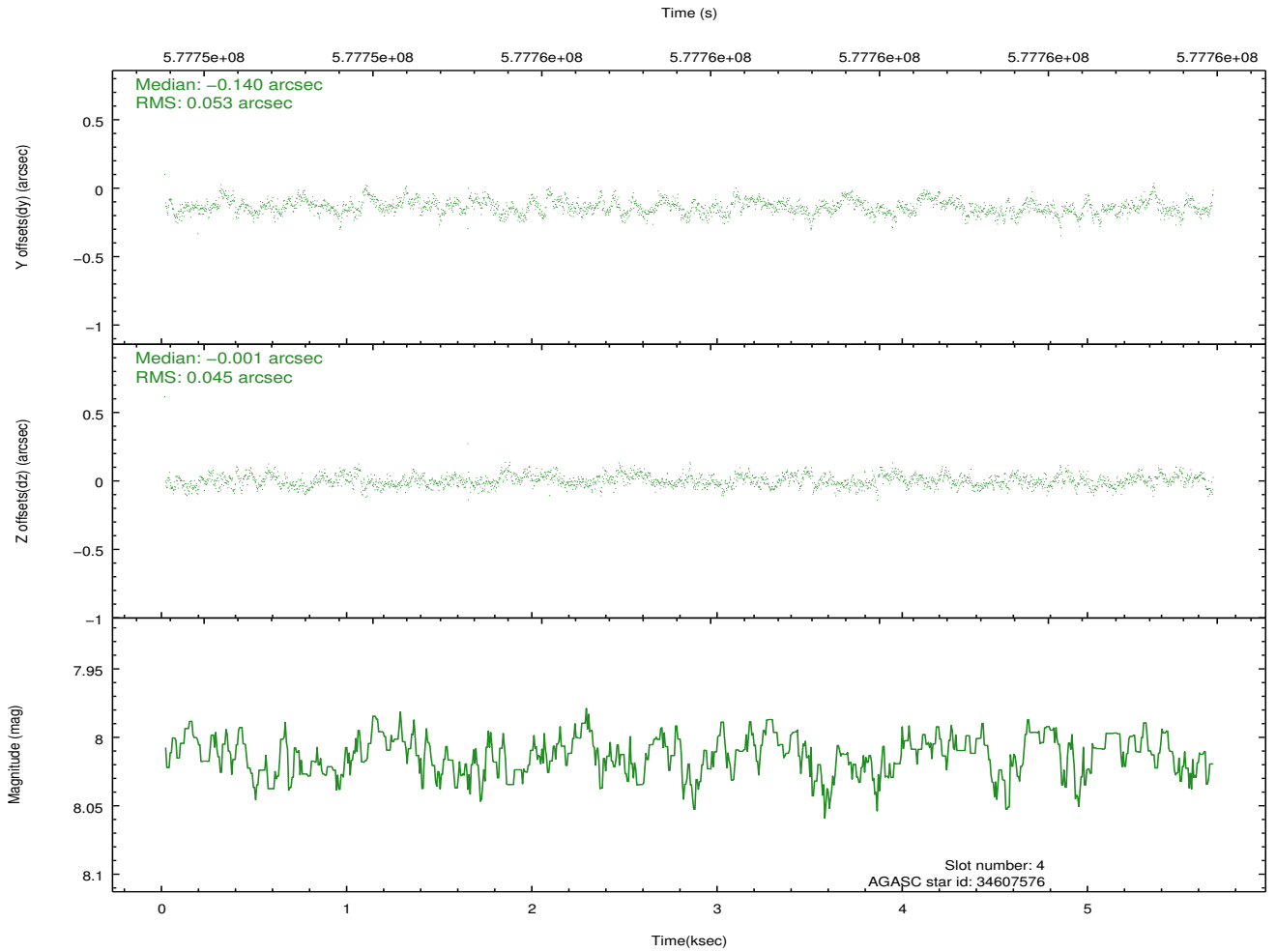
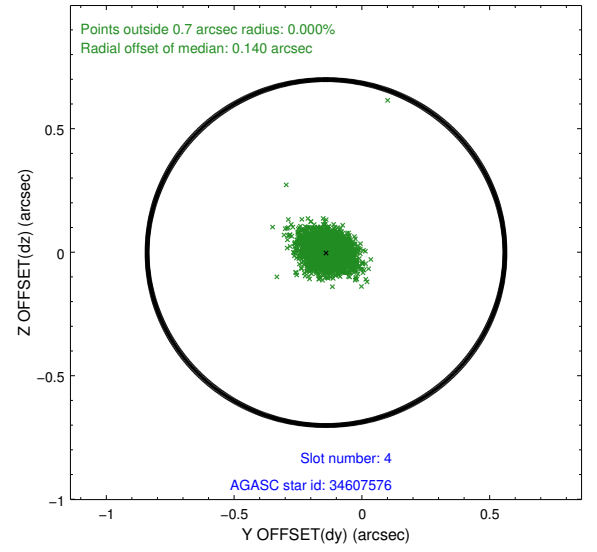
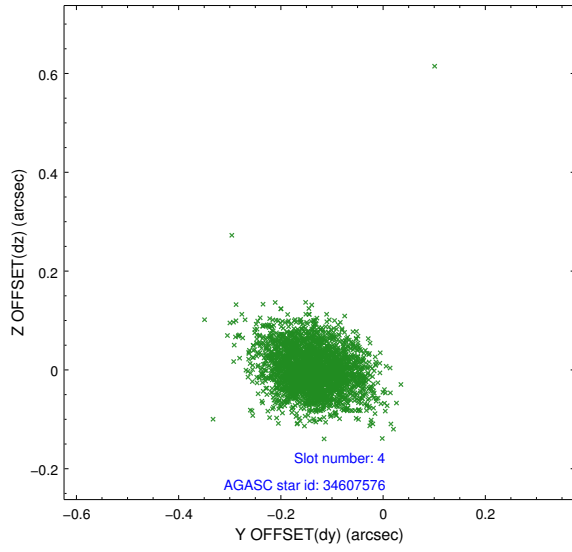
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	1381	-0.179	-0.125	0.007	0.013	0.000000	0.000000	-768.31	-1739.08
1	FID		ACIS-S-4	7.22	1381	0.440	0.120	0.006	0.010	0.000000	0.000000	2145.11	168.52
2	FID		ACIS-S-5	7.24	1381	-0.292	0.014	0.007	0.012	0.000000	0.000000	-1819.90	163.32
3	GUIDE	used	34604776	7.05	2762	-0.038	0.024	0.086	0.137	171.891747	0.956159	1284.97	-370.96
4	GUIDE	used	34607576	8.01	2759	-0.140	-0.001	0.071	0.118	171.513082	1.039473	1489.26	-1752.34
5	GUIDE	used	34607832	8.55	2761	0.062	-0.086	0.109	0.192	171.412630	1.023891	1670.52	-2070.72
6	GUIDE	used	34608656	8.31	2760	0.131	-0.126	0.085	0.135	172.166117	1.871159	-2145.33	-623.23
7	GUIDE	used	34610184	8.50	2758	-0.011	0.184	0.112	0.175	171.970414	1.474063	-559.71	-773.19

2.4 Star Slots

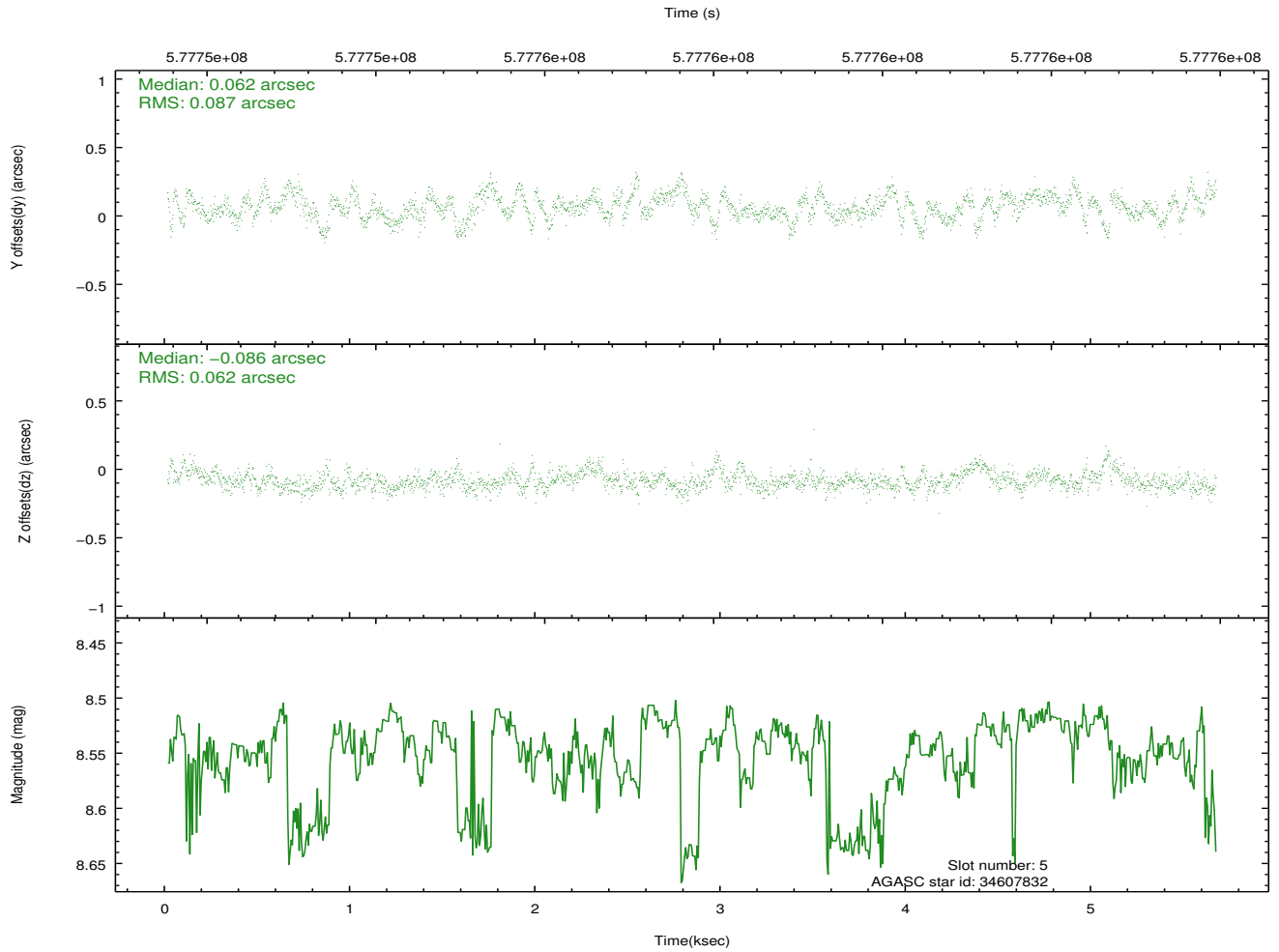
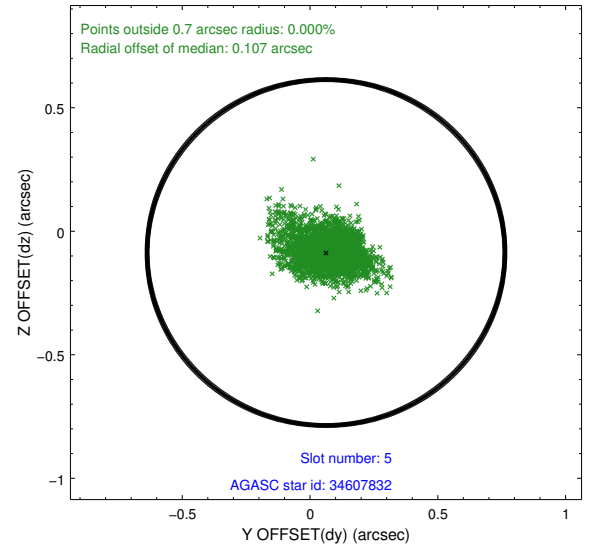
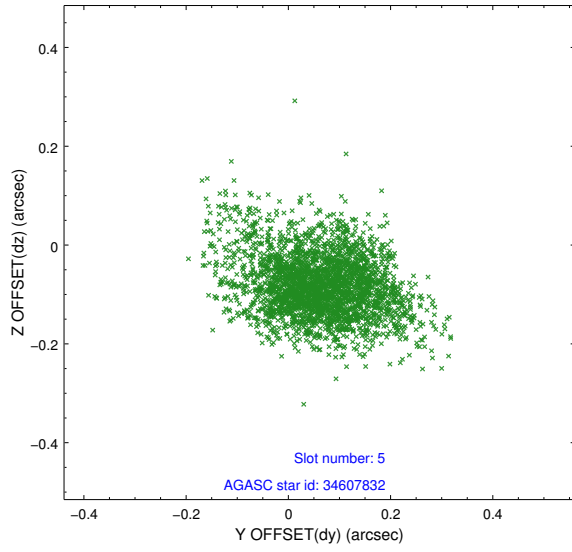
2.4.1 Slot 3



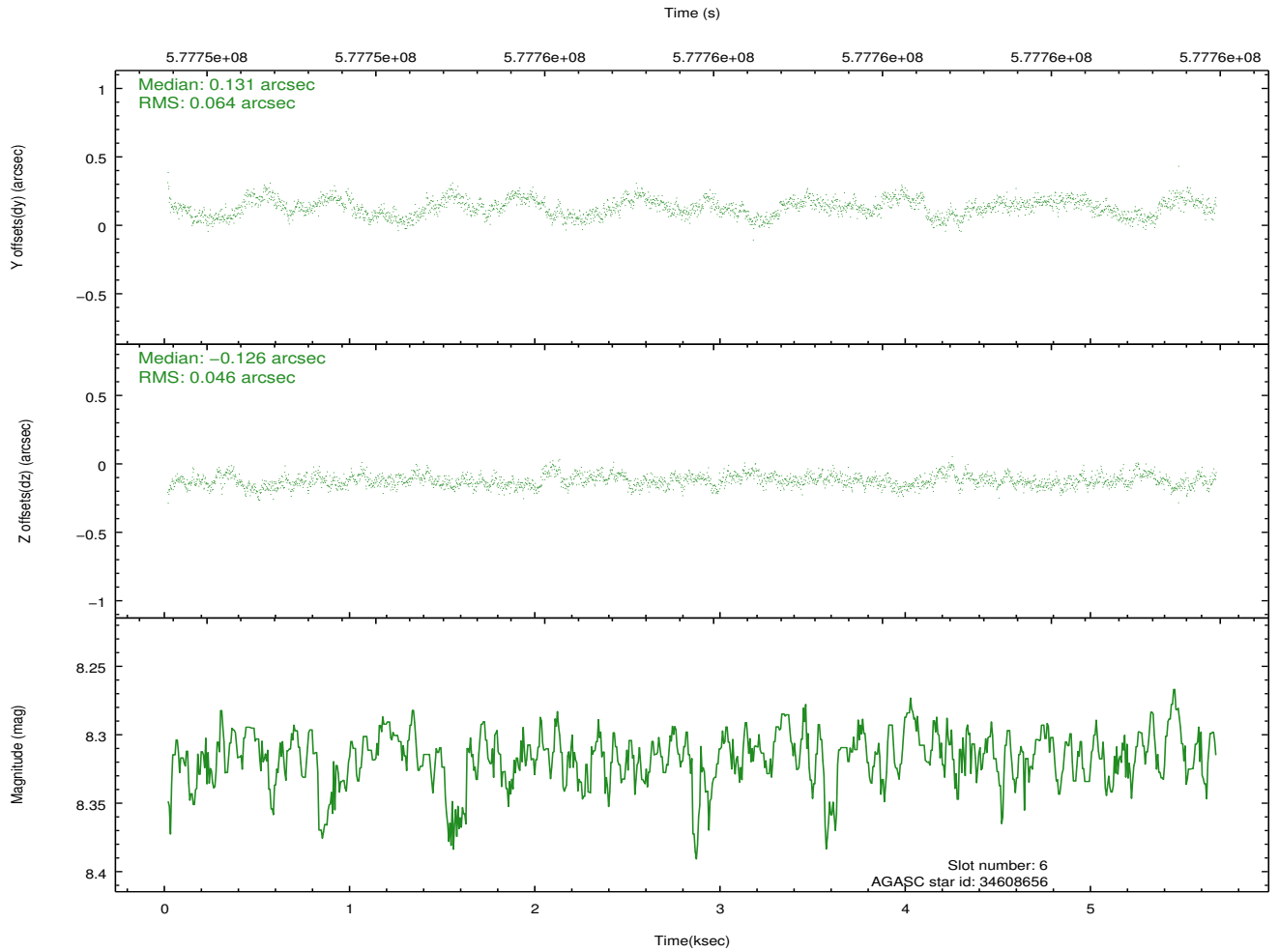
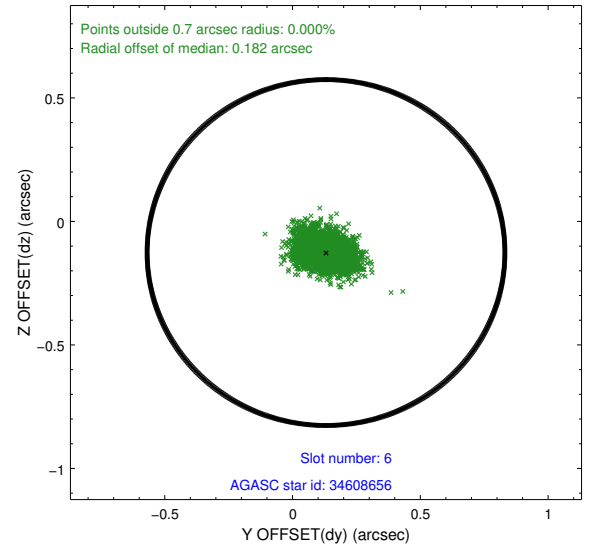
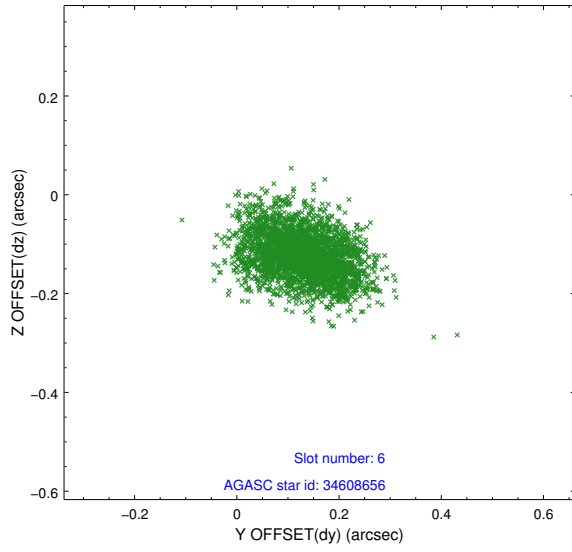
2.4.2 Slot 4



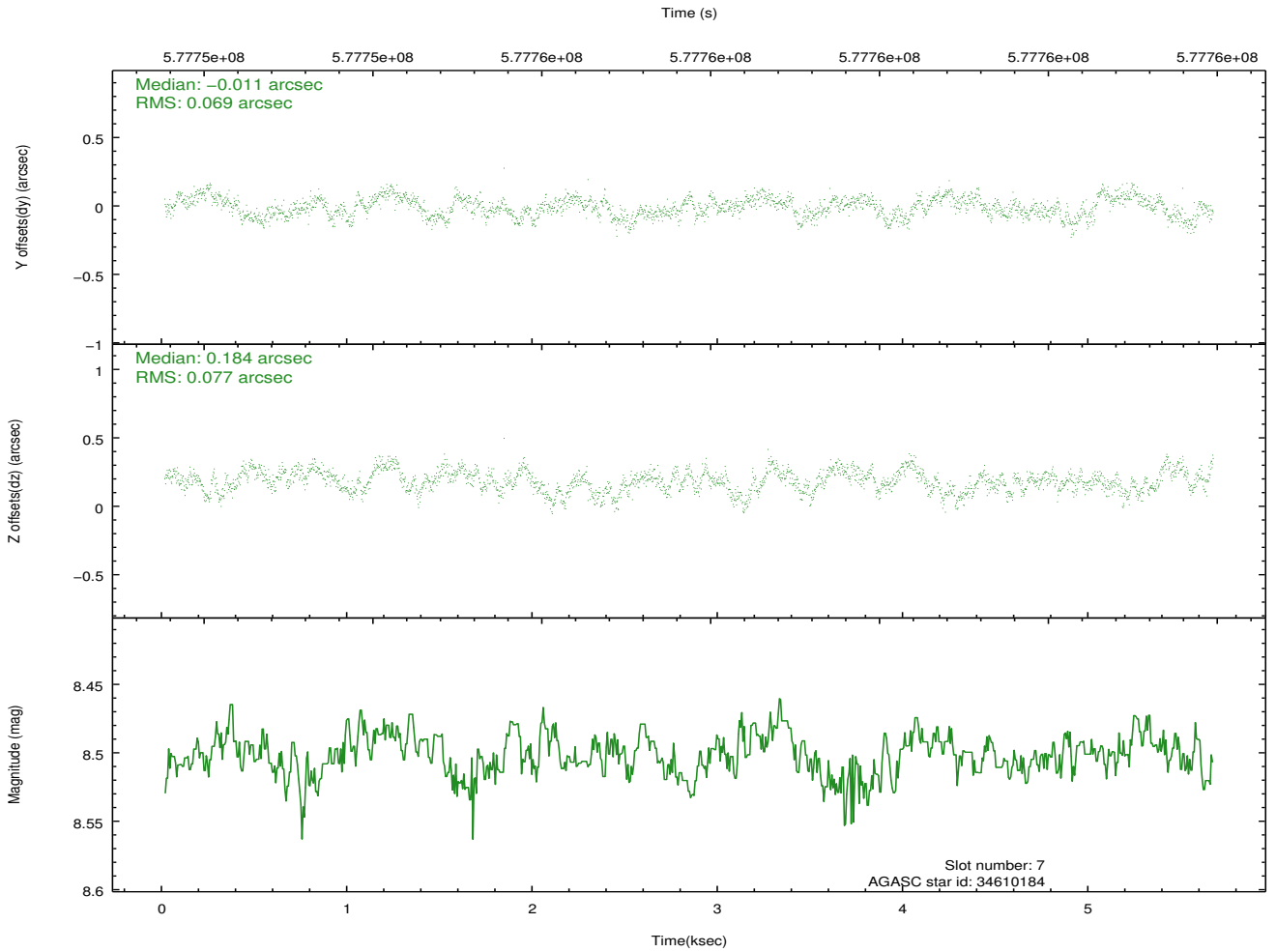
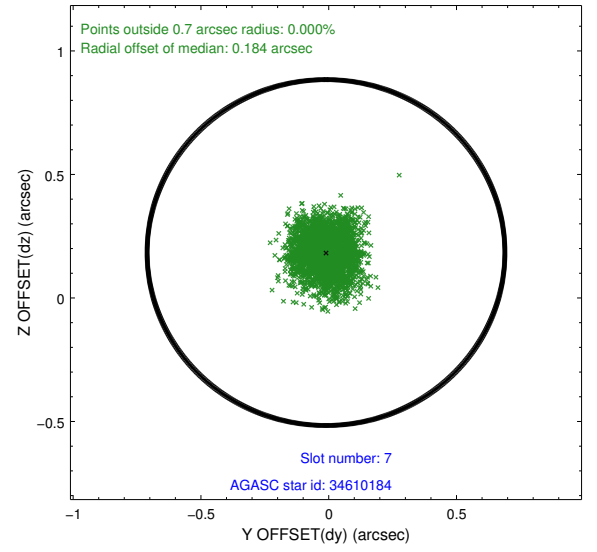
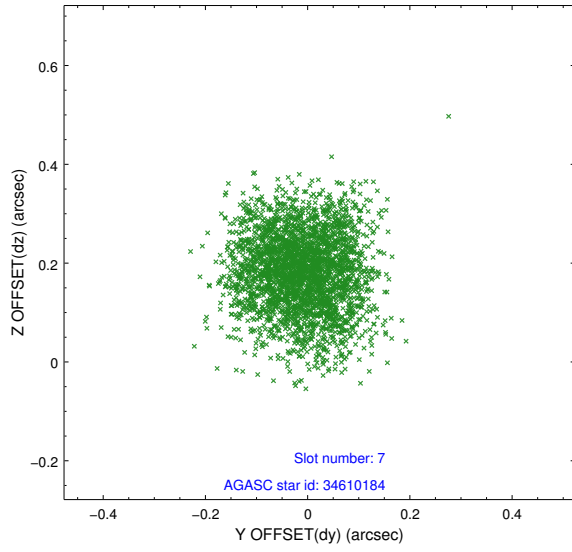
2.4.3 Slot 5



2.4.4 Slot 6

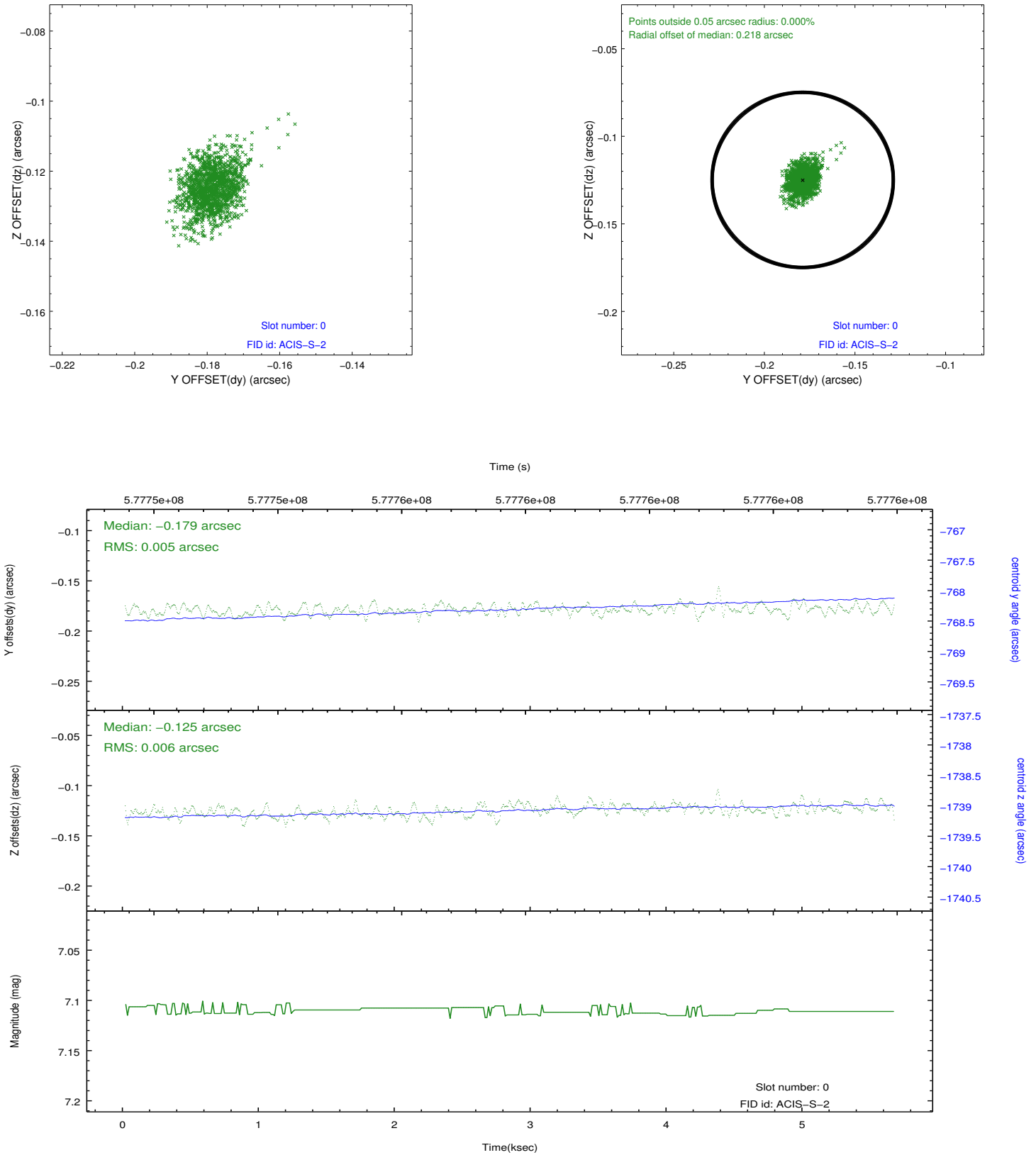


2.4.5 Slot 7

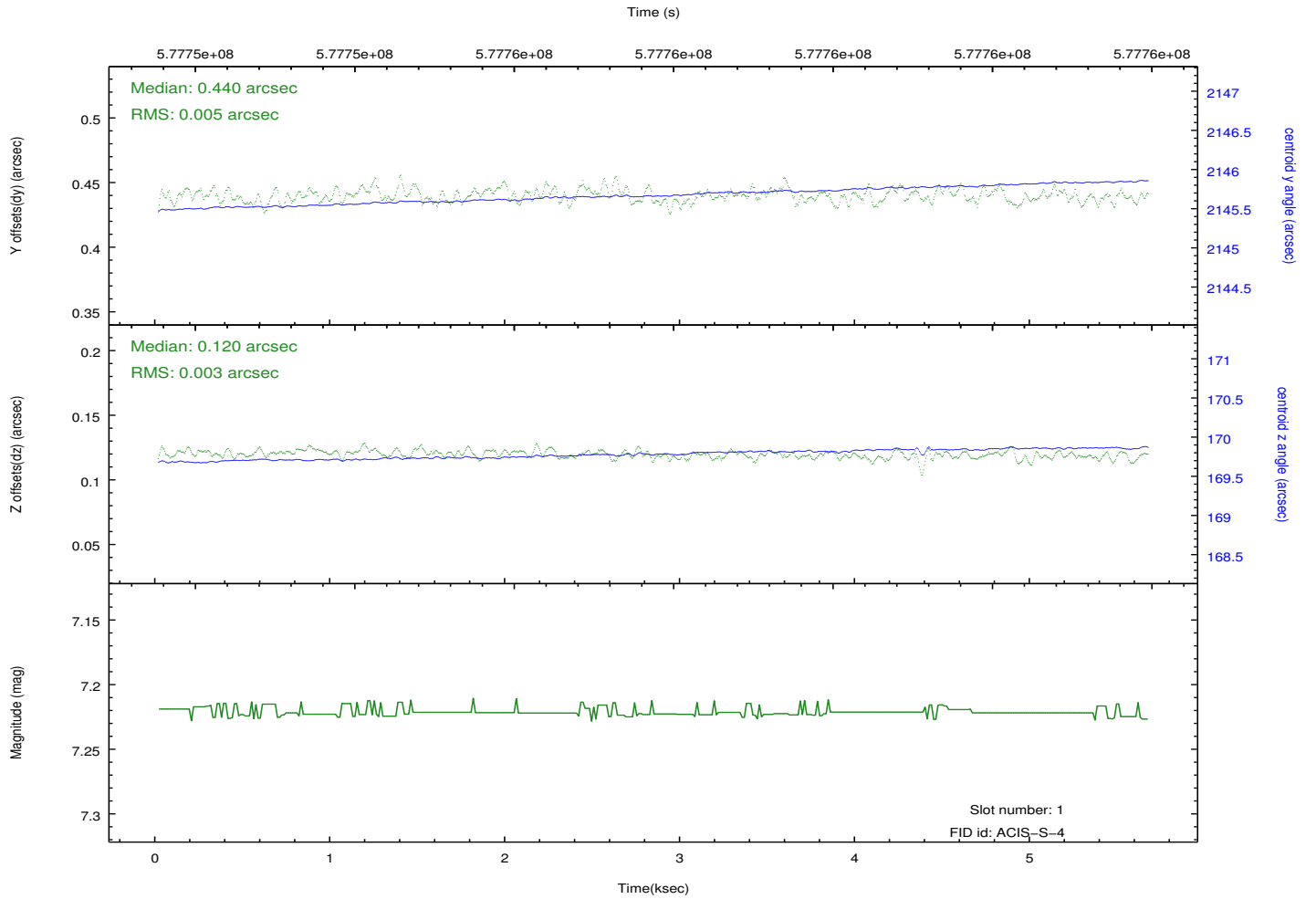
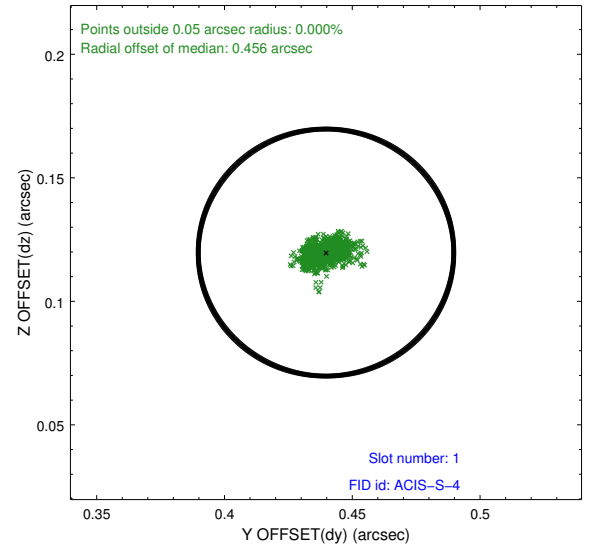
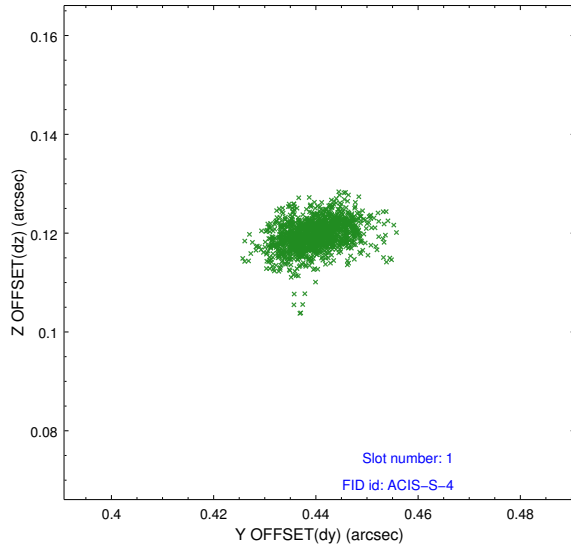


2.5 FID Slots

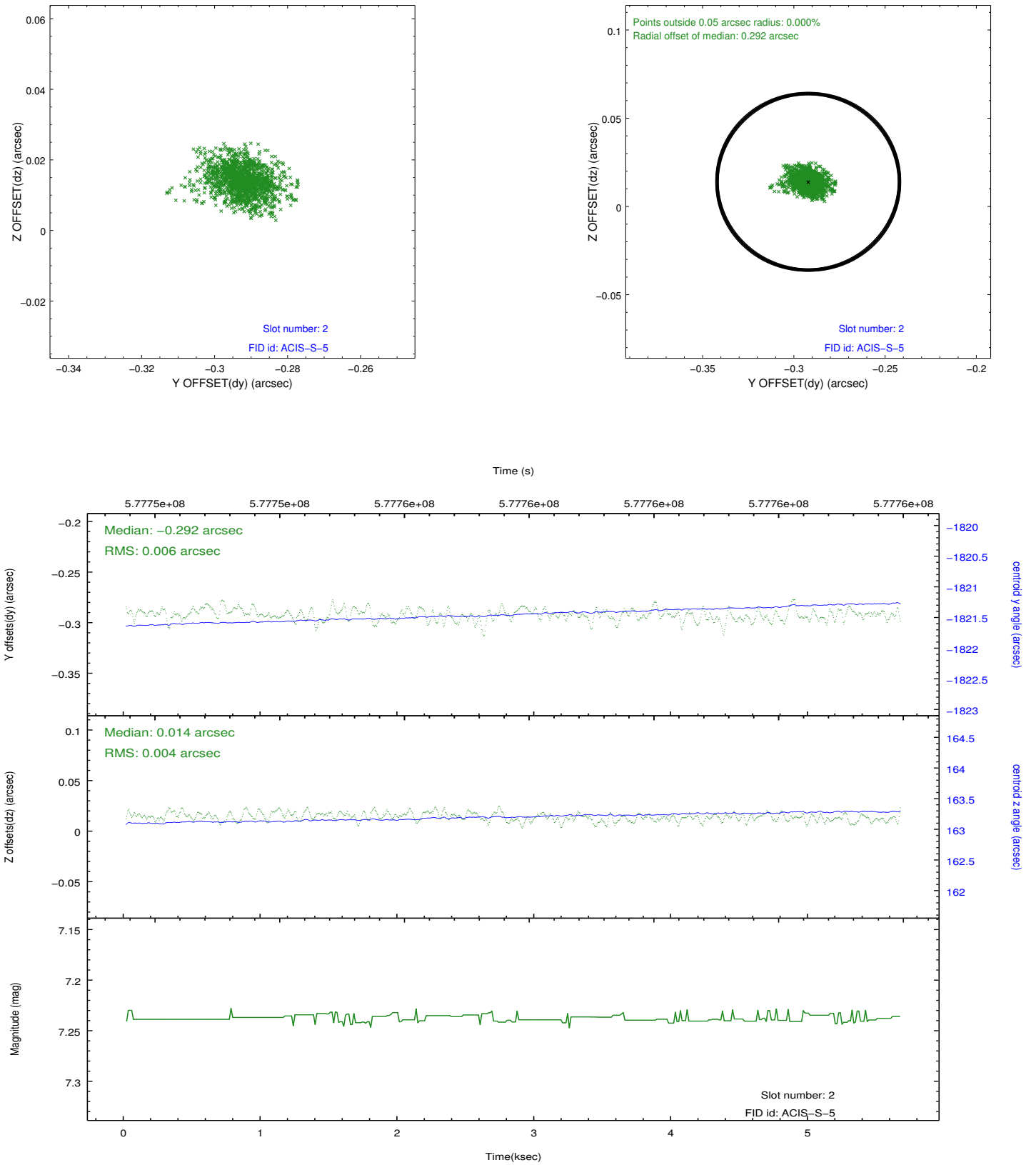
2.5.1 Slot 0



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)	2016.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5087000424862

A.2 Comments