

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 17878 - L2 Version 1
Chandra X-Ray Center

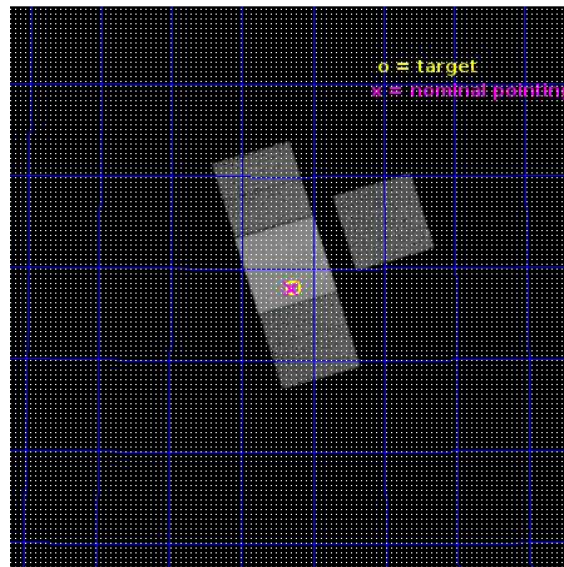
L2 Processing Date : Sep 29 2016

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1 Front

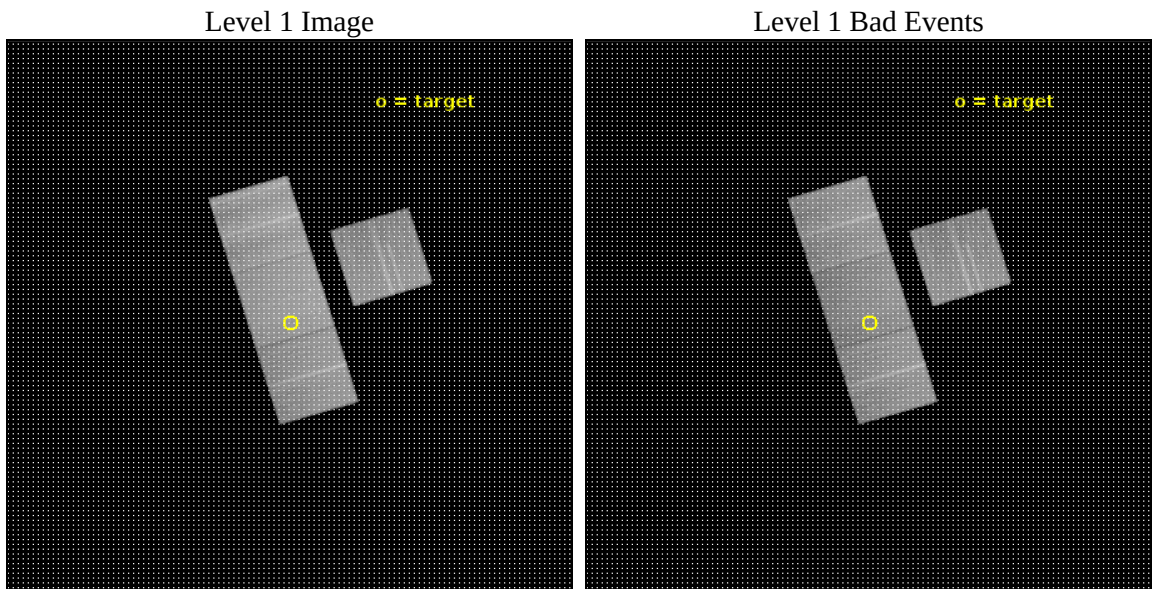
seq_num	502497	Sequence number
obs_id	17878	Observation id
title	Confirming the Birth of a New Black Hole	Proposal title
observer	Christopher Kochanek	Principal investigator
object	FailedSN	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.821392	Observer's specified target RA [deg]
dec_targ	60.132225	Observer's specified target Dec [deg]
ra_nom	308.82596632323	Nominal RA [deg]
dec_nom	60.130069044401	Nominal Dec [deg]
roll_nom	253.15266516115	Nominal Roll [deg]
revision	1	Processing version of data
ontime	40569.621836424	Sum of GTIs [s]
livetime	40039.54986021	Livetime [s]
ontime3	40566.398726225	Sum of GTIs [s]
ontime6	40560.157665968	Sum of GTIs [s]
ontime7	40569.621836424	Sum of GTIs [s]
ontime8	40566.357696295	Sum of GTIs [s]
l2events	235130	Number of level 2 events



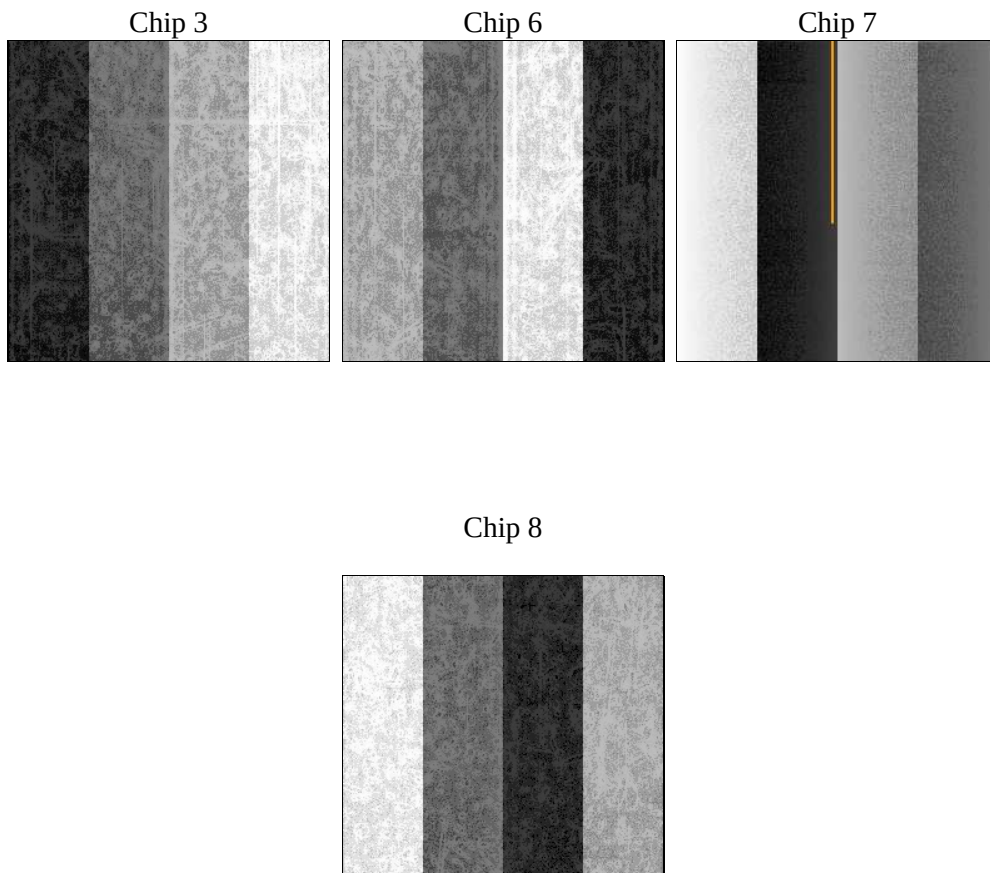
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40500.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	40569.621836424	Sum of GTIs [s]
caldsver	4.7.2	 	ontime3	40566.398726225	Sum of GTIs [s]
date	2016-09-29T04:53:04	Date and time of file creation	ontime6	40560.157665968	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	40569.621836424	Sum of GTIs [s]
			ontime8	40566.357696295	Sum of GTIs [s]
			l1events	1216160	Number of level 1 events

2.1.4 Events

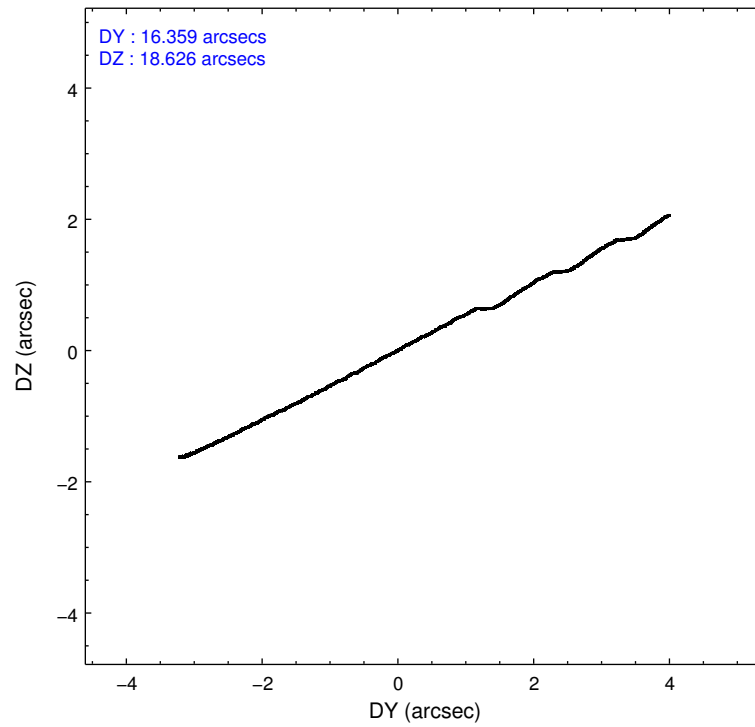
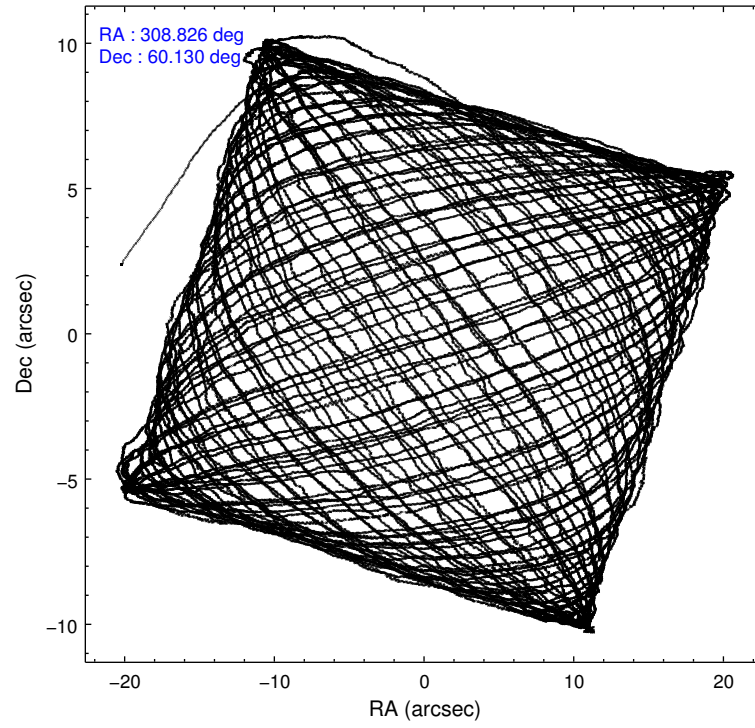
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	253568	268422	347115	347055
rejected events	225651	237896	190706	251623
rejected %	88%	88%	54%	72%

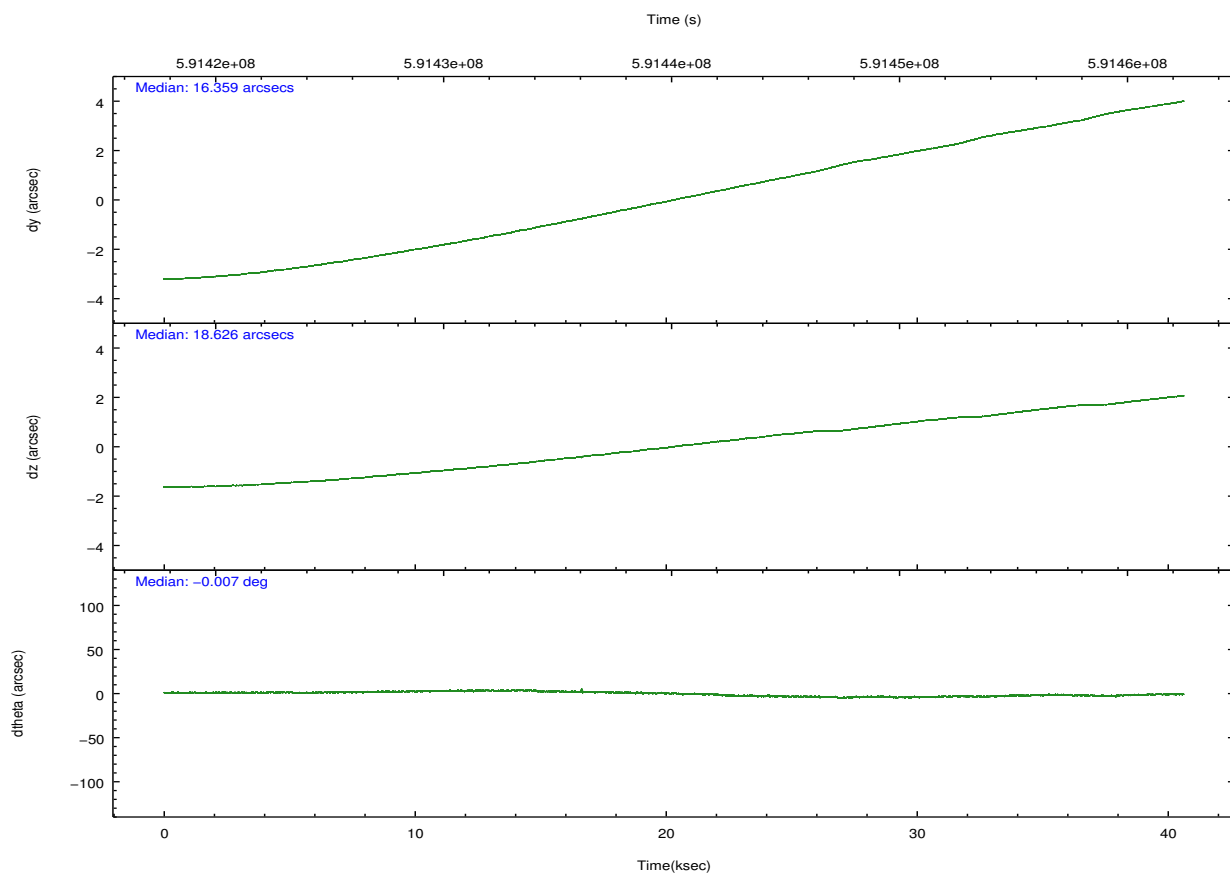
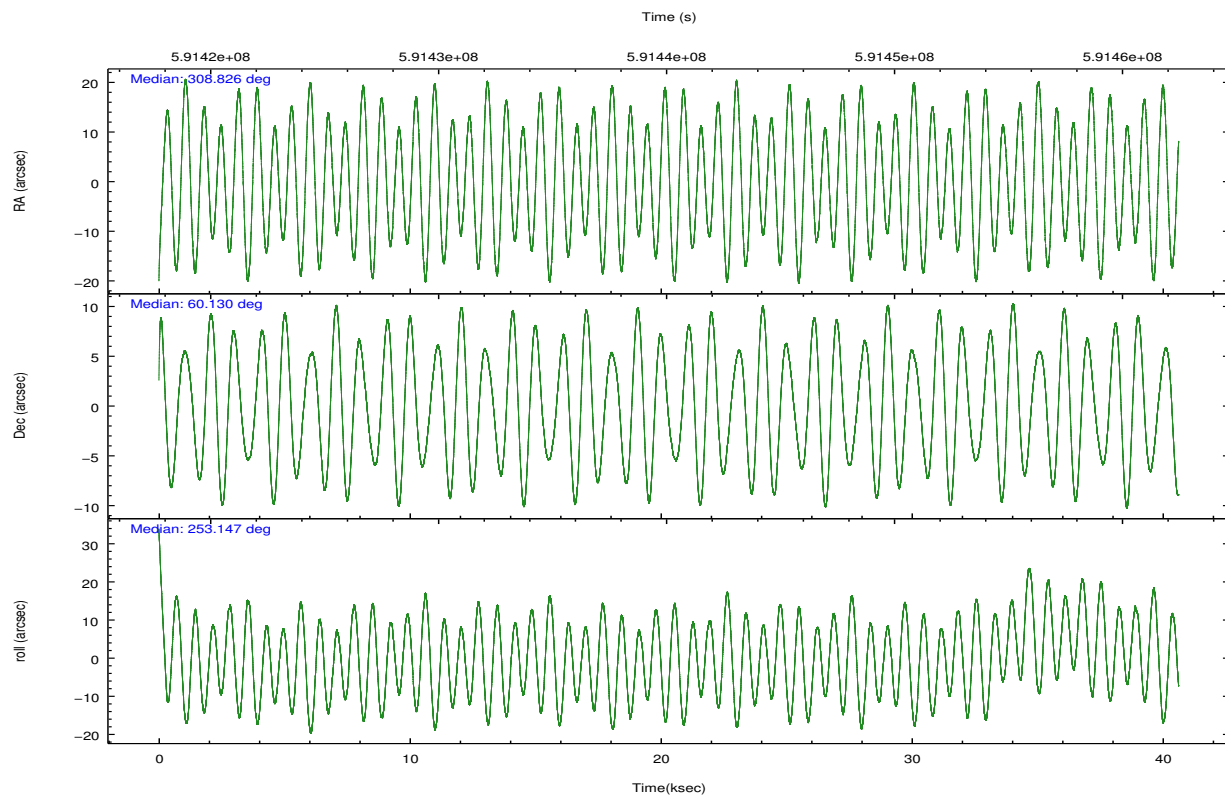
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	10274	10217	14732	27600
	4%	3%	4%	7%
grade 1 events	157	144	455	287
	0%	0%	0%	0%
grade 2 events	5967	7133	33673	23269
	2%	2%	9%	6%
grade 3 events	2892	3049	12977	9945
	1%	1%	3%	2%
grade 4 events	2942	3050	12794	9061
	1%	1%	3%	2%
grade 5 events	12759	12805	34244	18966
	5%	4%	9%	5%
grade 6 events	5844	7082	82245	25559
	2%	2%	23%	7%
grade 7 events	212733	224942	155995	232368
	83%	83%	44%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	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	308.812722	308.8259663232279	Subarray requested	NONE	NONE
[deg] Pointing Dec	60.156703	60.13006904440093	Alternating exposures requested	N	N
[deg] Pointing Roll	253.007527	253.1526651611526	[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)	591419891.184000	591418405.51522			
Observation start date	2016-09-28T03:17:03	2016-09-28T02:53:25			
[s] Observation end time (MET)	591460391.184000	591461499.5927			
Observation end date	2016-09-28T14:32:03	2016-09-28T14:51:39			
Read mode	TIMED	TIMED			

2.3 Aspect



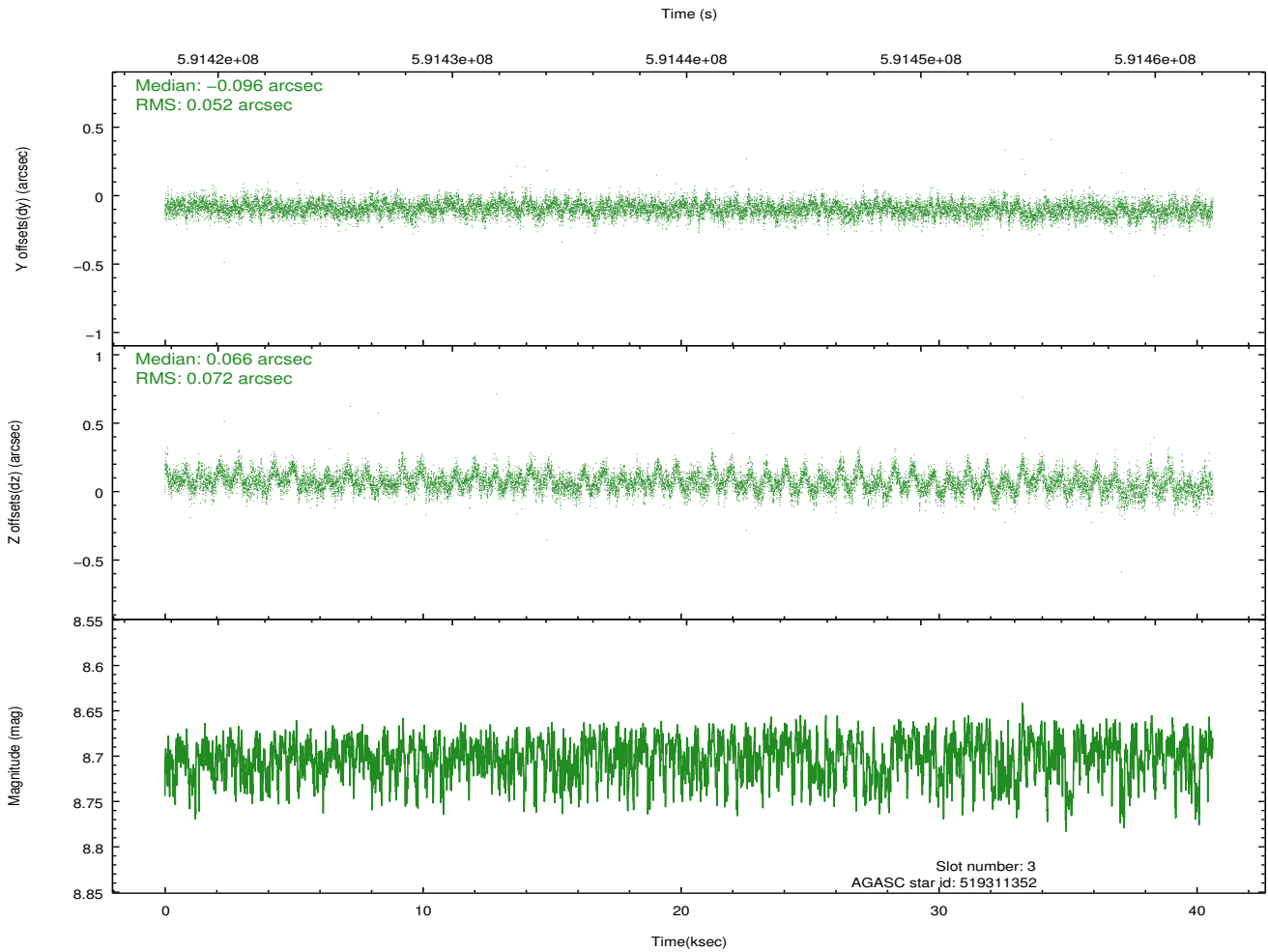
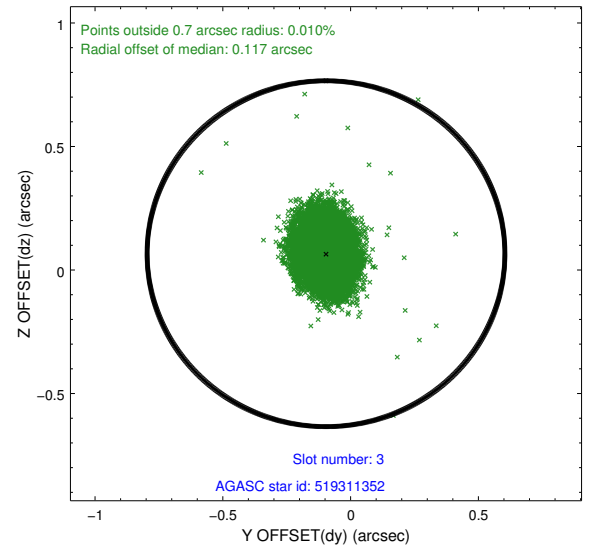
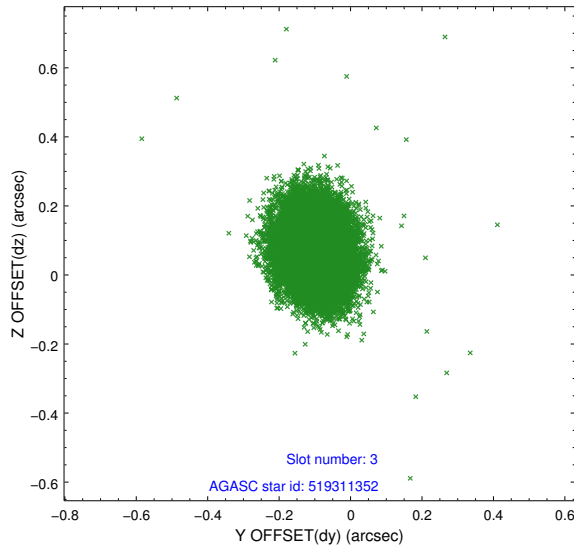


Slot Statistics

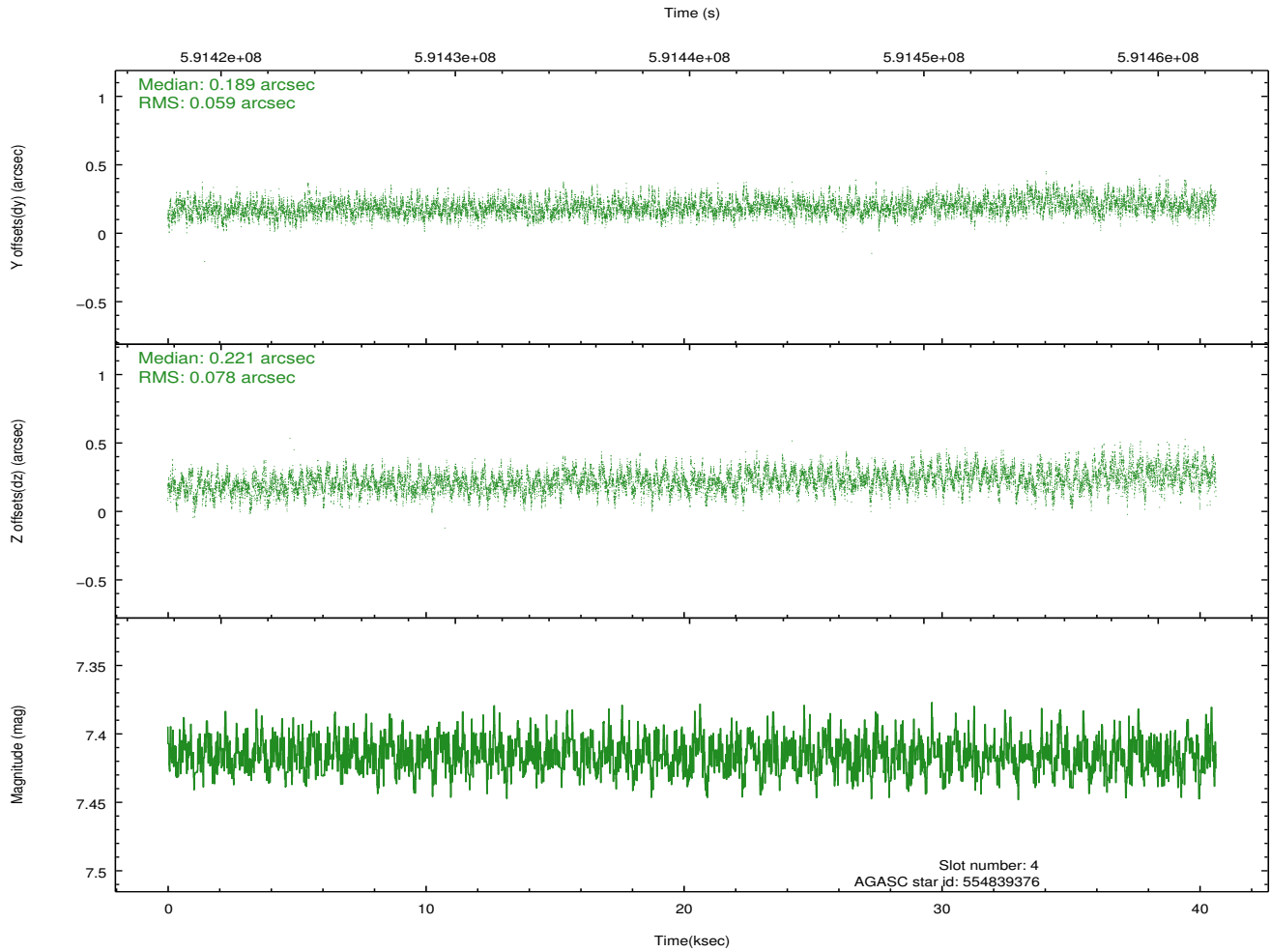
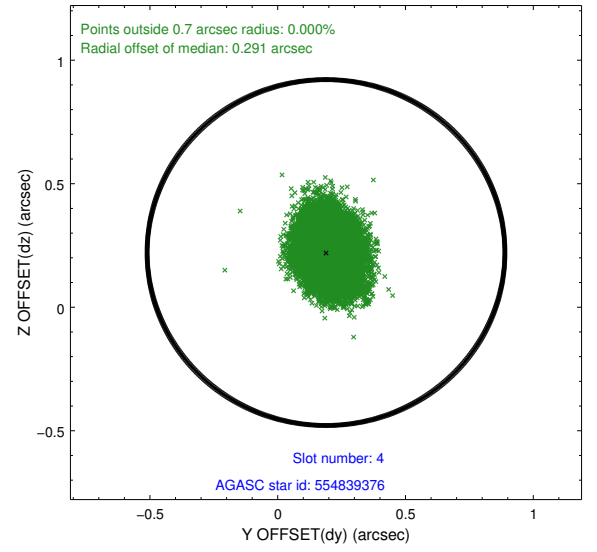
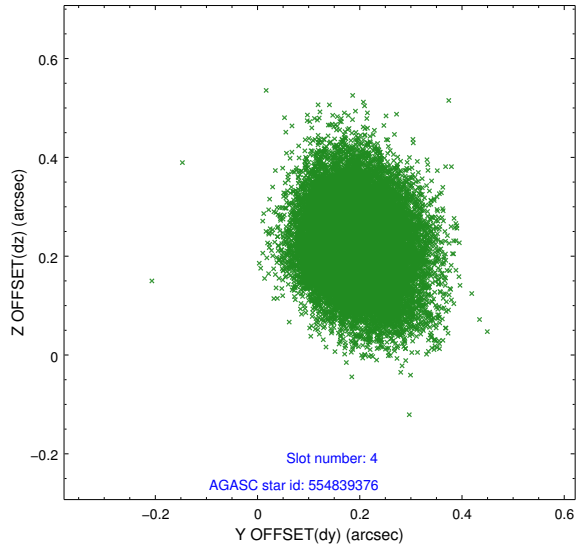
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.14	9909	0.058	-0.068	0.036	0.065	0.000000	0.000000	926.67	-1735.76
1	FID		ACIS-S-4	7.15	9910	0.330	0.016	0.037	0.079	0.000000	0.000000	2144.32	168.51
2	FID		ACIS-S-5	7.16	9910	-0.421	0.055	0.024	0.034	0.000000	0.000000	-1822.71	162.04
3	GUIDE	used	519311352	8.70	19810	-0.096	0.066	0.092	0.154	309.050952	59.661888	1576.44	935.02
4	GUIDE	used	554839376	7.42	19819	0.189	0.221	0.103	0.170	308.018563	60.422364	-508.28	-1630.70
5	GUIDE	used	554842440	8.15	19812	0.133	0.028	0.124	0.200	307.970960	60.063321	754.24	-1350.26
6	GUIDE	used	519316320	8.11	19811	-0.298	-0.367	0.108	0.177	309.210894	59.408333	2361.04	1484.54
7	GUIDE	used	556537192	9.15	19801	0.073	0.056	0.161	0.254	309.975880	60.344309	-1268.43	1778.75

2.4 Star Slots

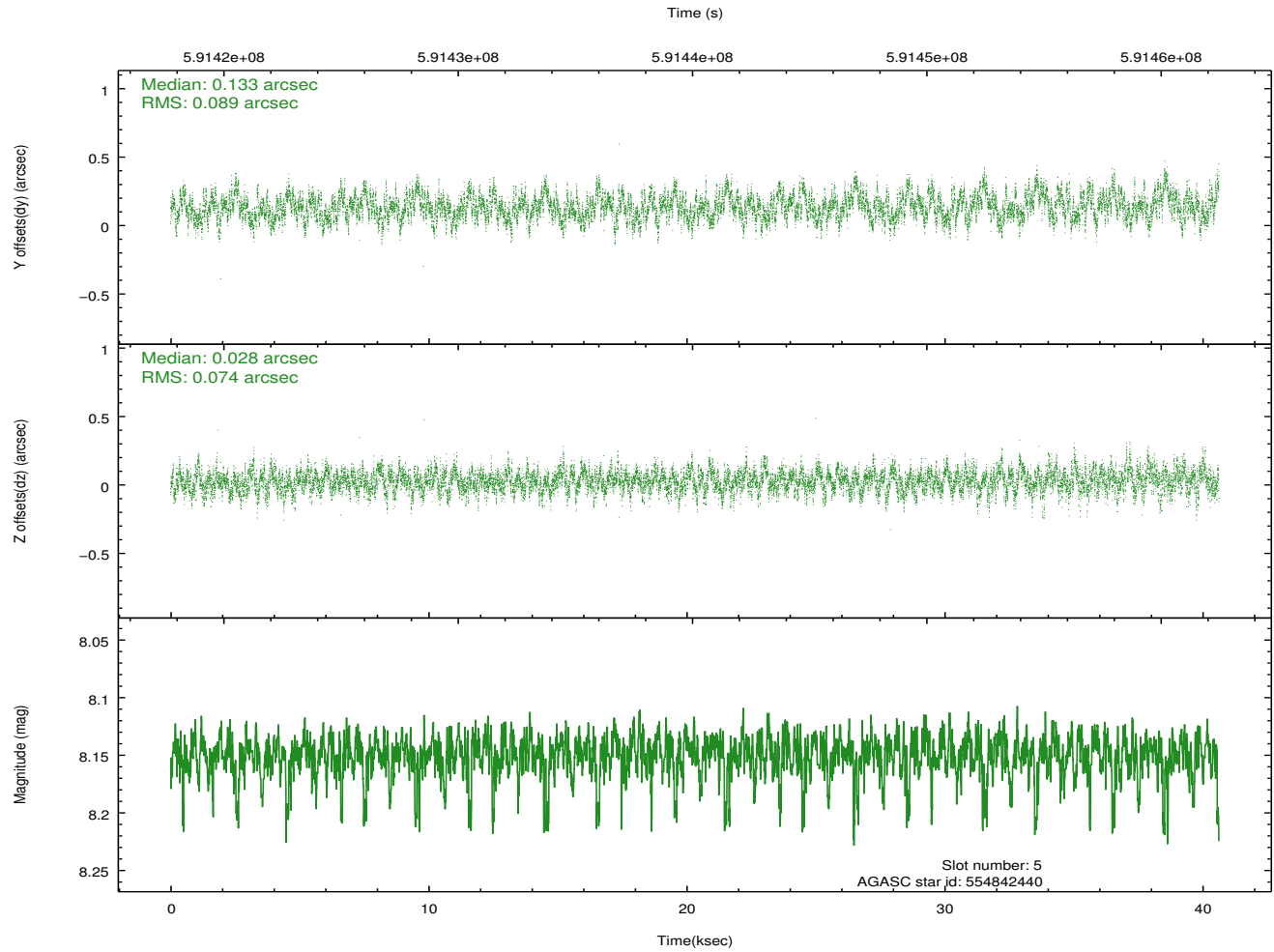
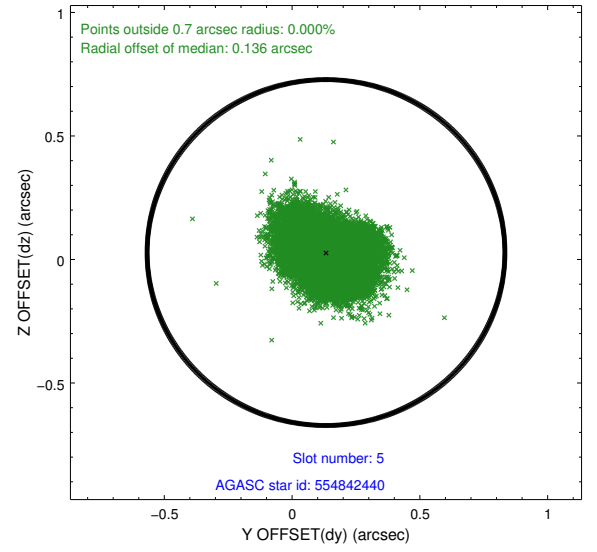
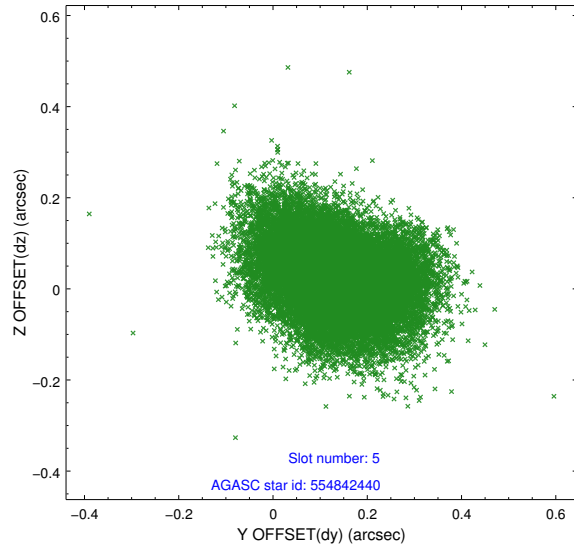
2.4.1 Slot 3



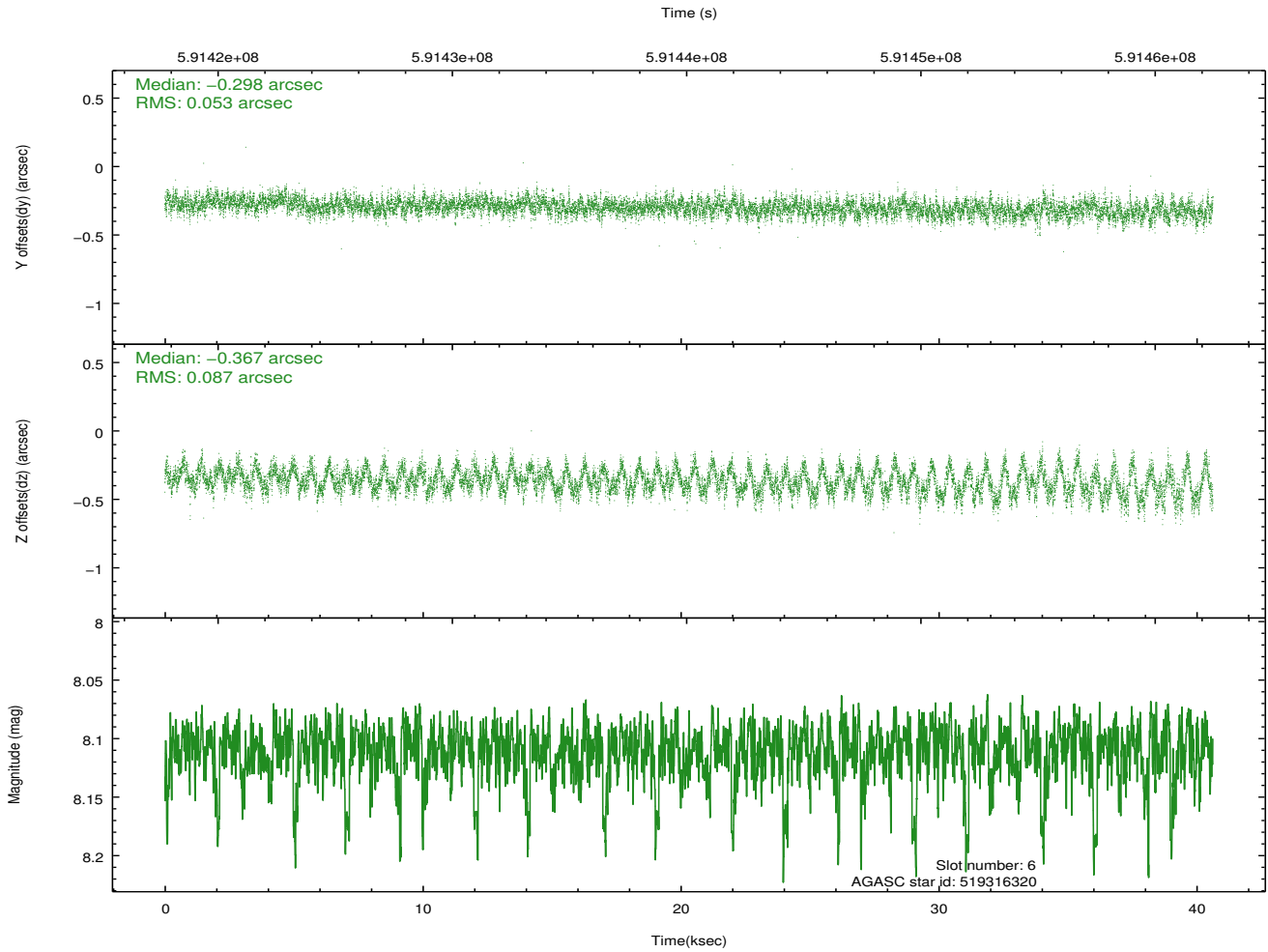
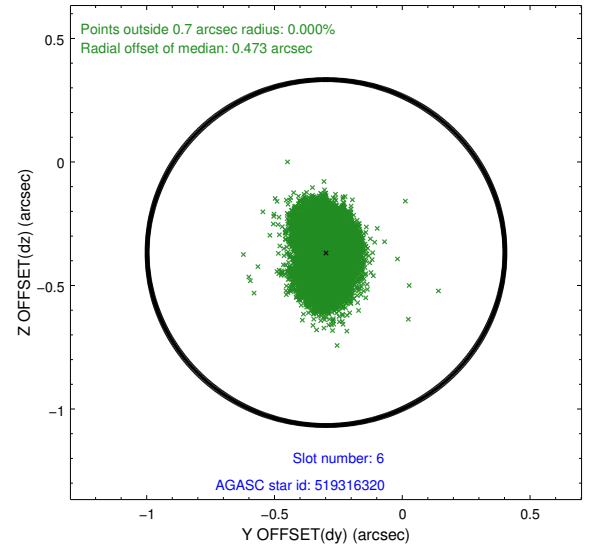
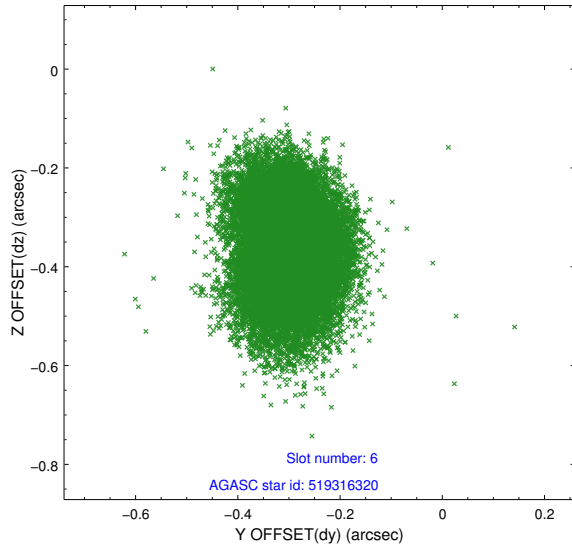
2.4.2 Slot 4



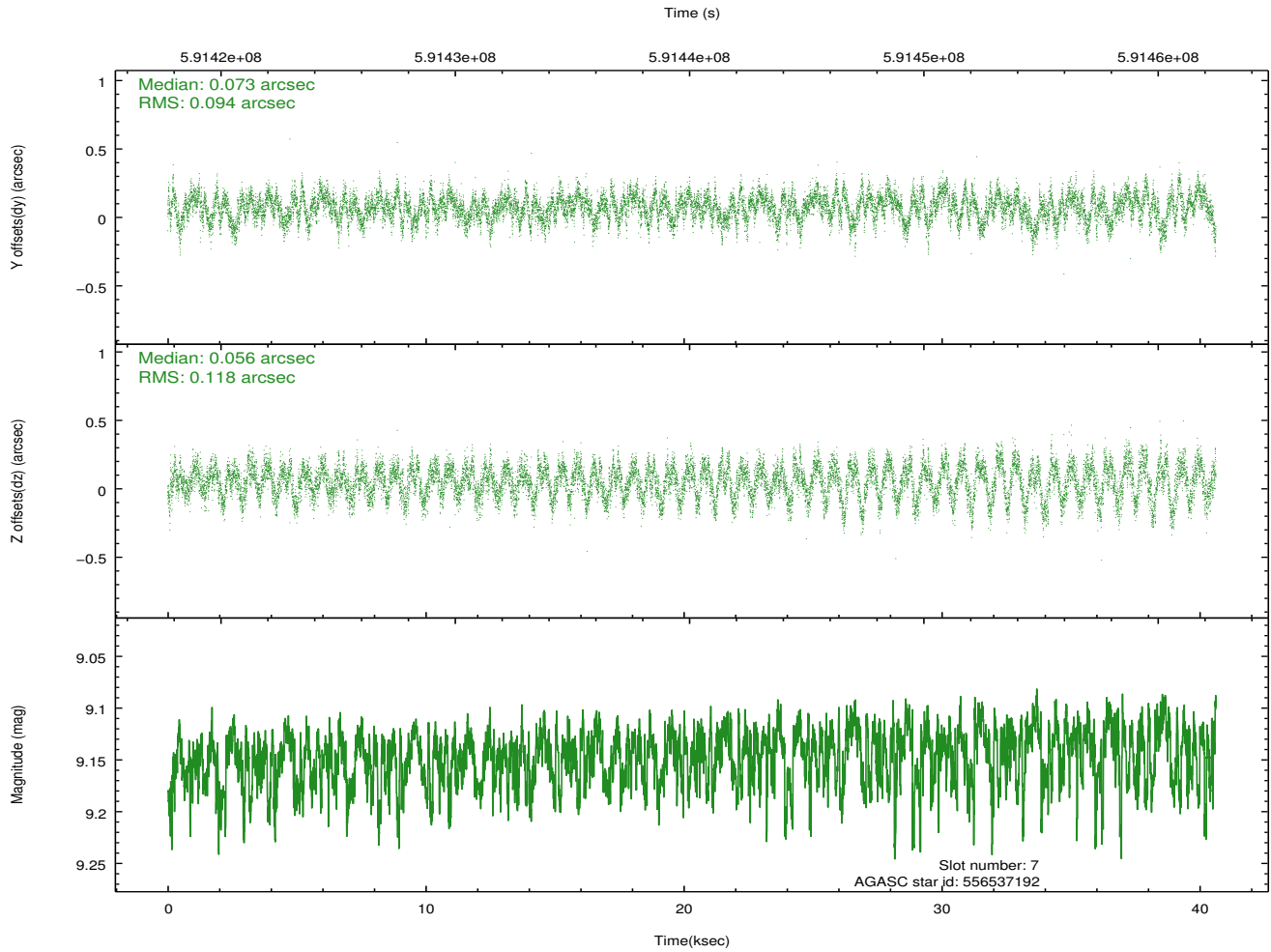
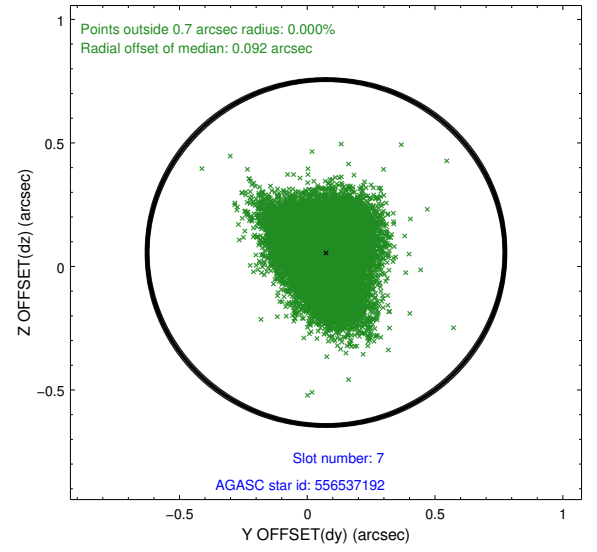
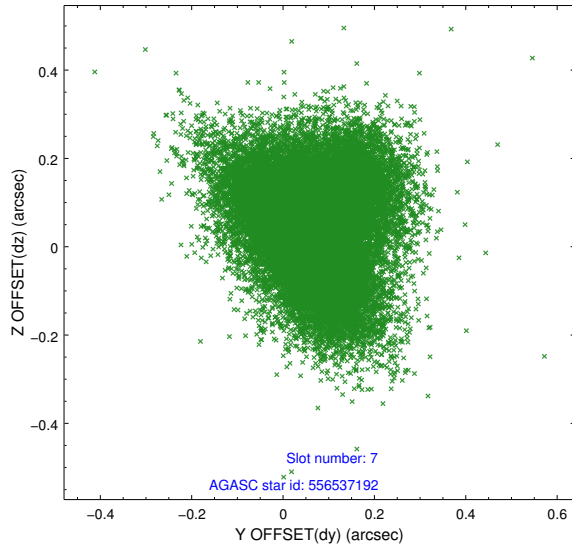
2.4.3 Slot 5



2.4.4 Slot 6

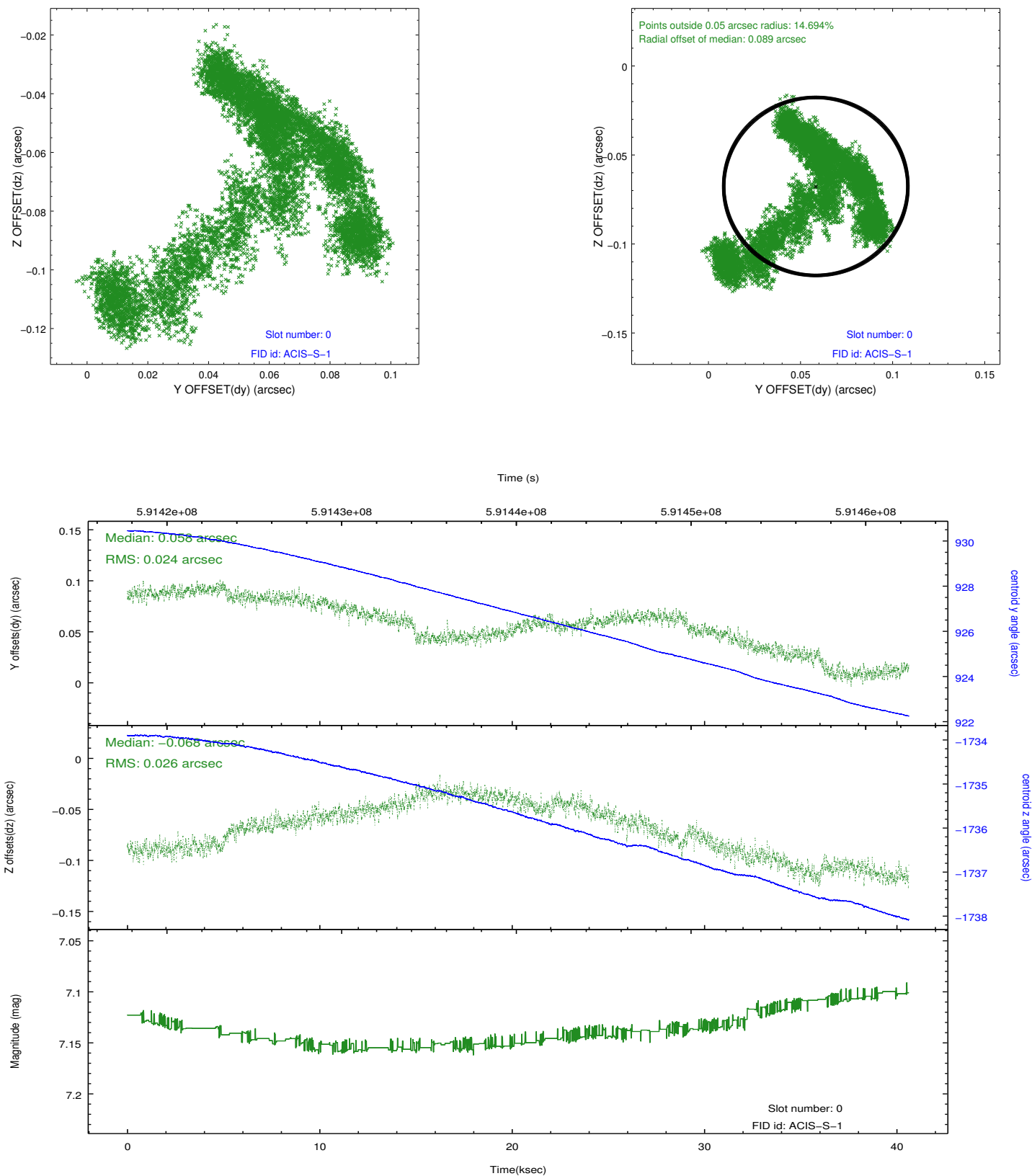


2.4.5 Slot 7

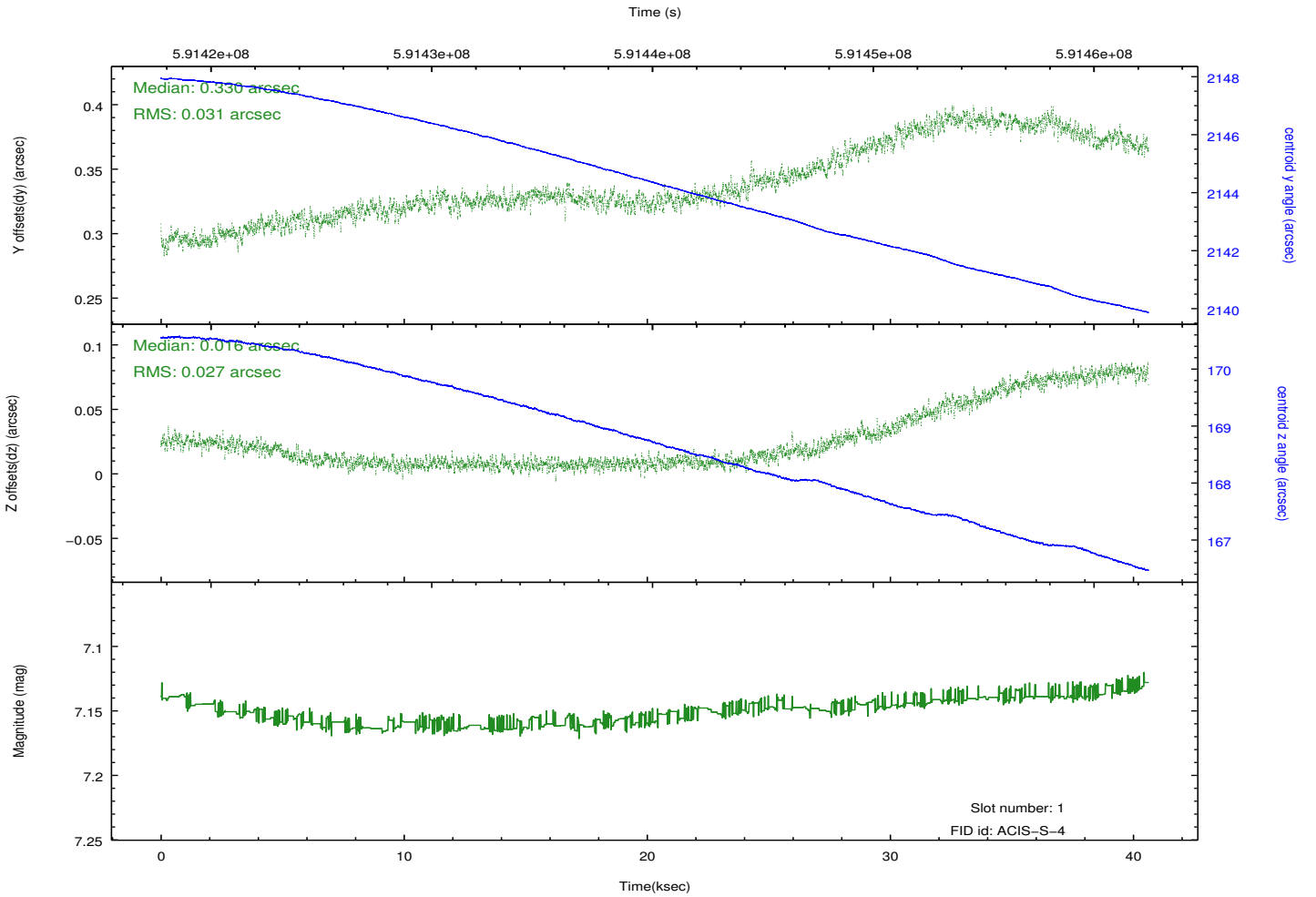
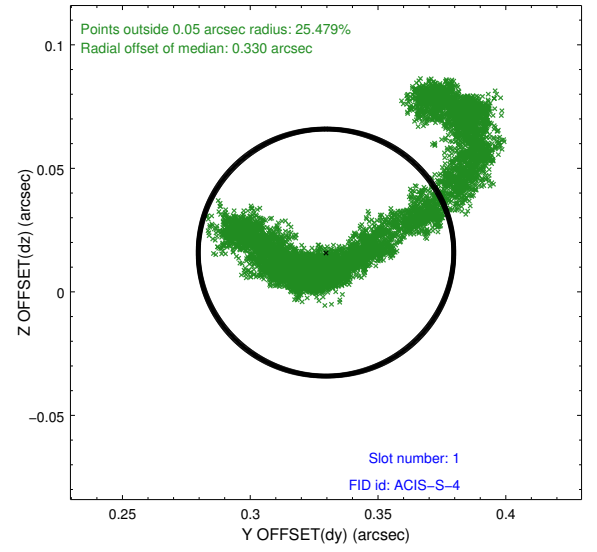
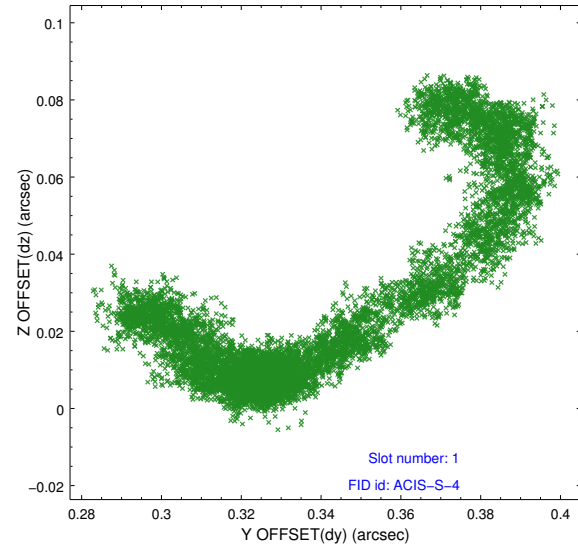


2.5 FID Slots

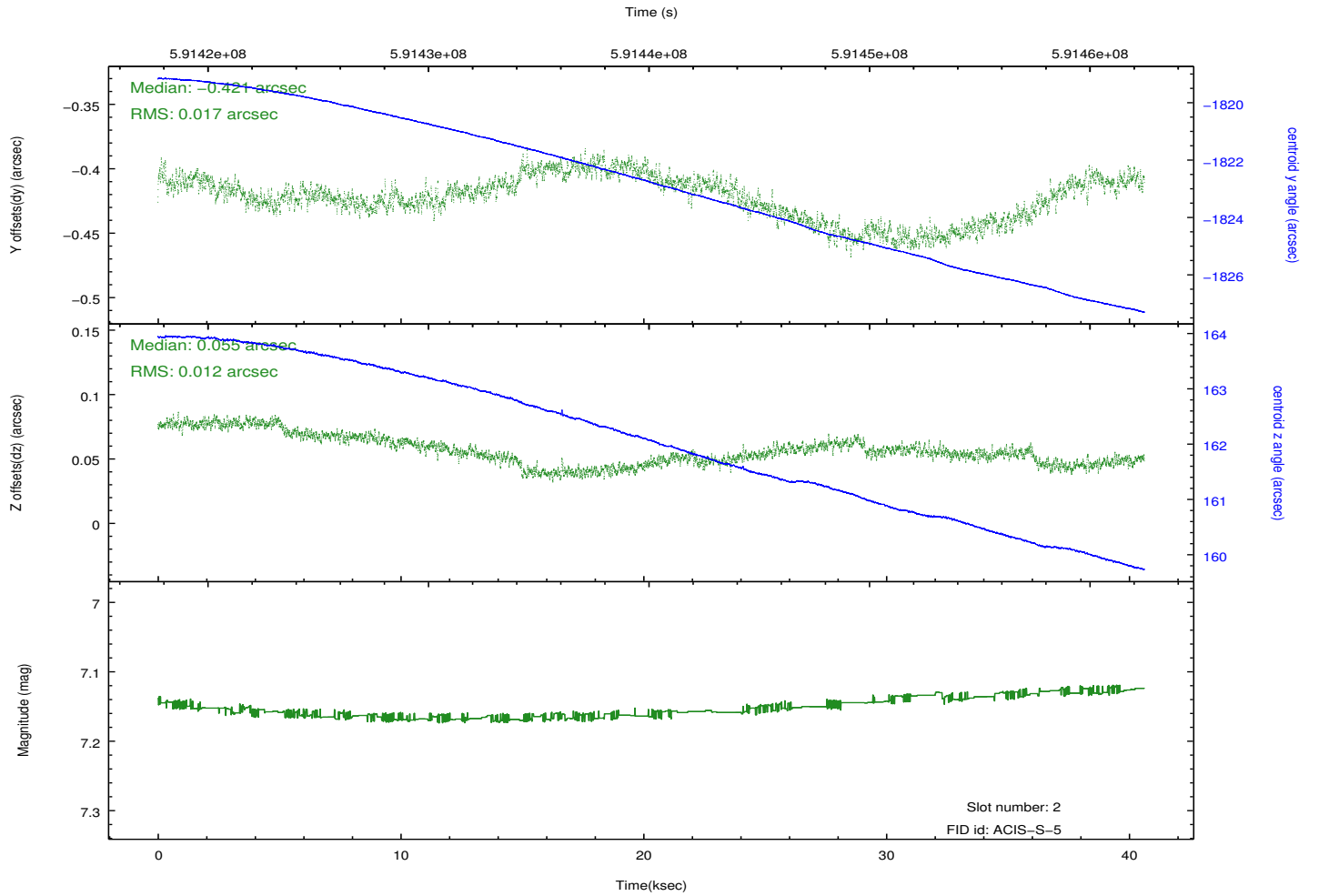
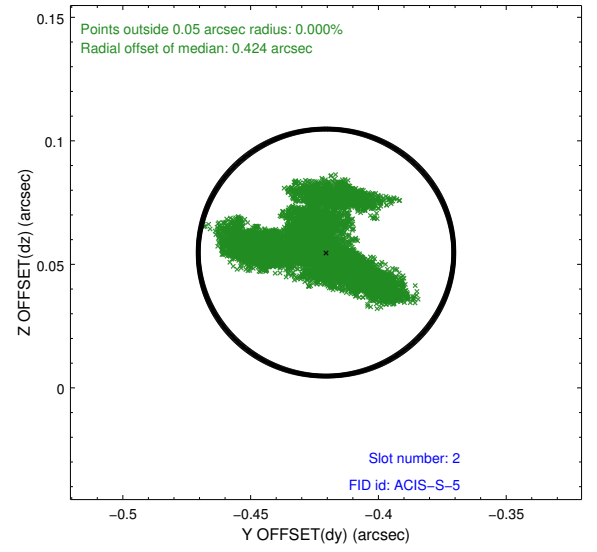
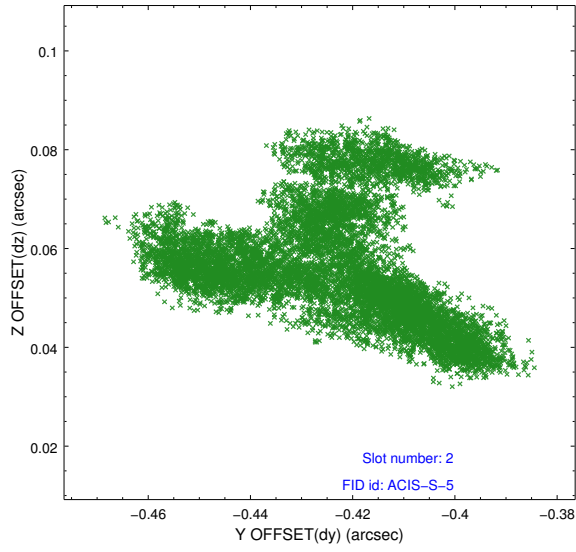
2.5.1 Slot 0



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)	2016.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.569621836424

A.2 Comments