

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1668 - L2 Version 3
Chandra X-Ray Center

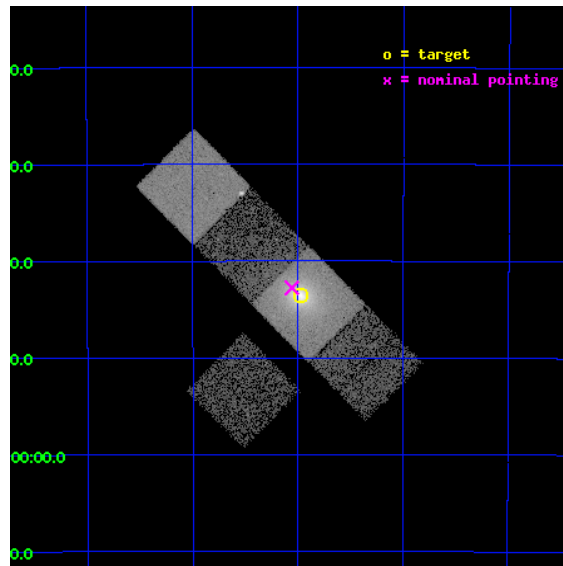
L2 Processing Date : Sep 22 2012

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1 Front

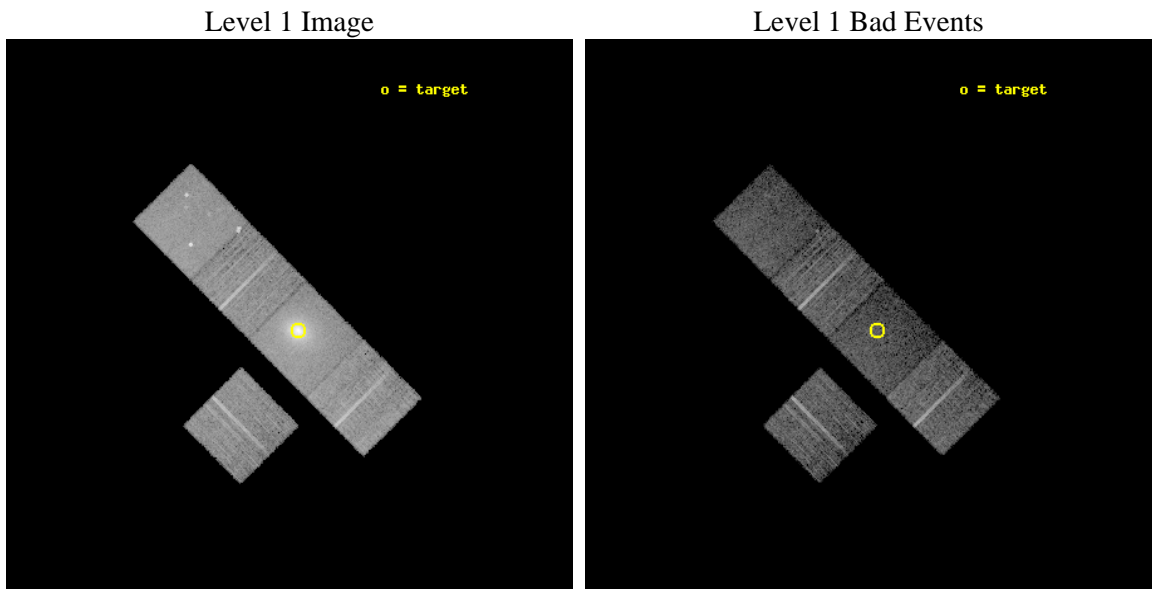
seq_num	800136	Sequence number
obs_id	1668	Observation id
title	THE COOLING FLOW IN SERSIC 159-03	Proposal title
observer	Professor Andrew Fabian	Principal investigator
object	SERSIC 159-03	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	348.492917	Observer's specified target RA [deg]
dec_targ	-42.726389	Observer's specified target Dec [deg]
ra_nom	348.51452368257	Nominal RA [deg]
dec_nom	-42.712891857259	Nominal Dec [deg]
roll_nom	45.223632739687	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10077.936089635	Sum of GTIs [s]
livetime	9946.2604353552	Livetime [s]
ontime3	10087.358990446	Sum of GTIs [s]
ontime5	10087.359010354	Sum of GTIs [s]
ontime6	10087.359010354	Sum of GTIs [s]
ontime7	10077.936089635	Sum of GTIs [s]
ontime8	10087.359030277	Sum of GTIs [s]
l2events	133675	Number of level 2 events



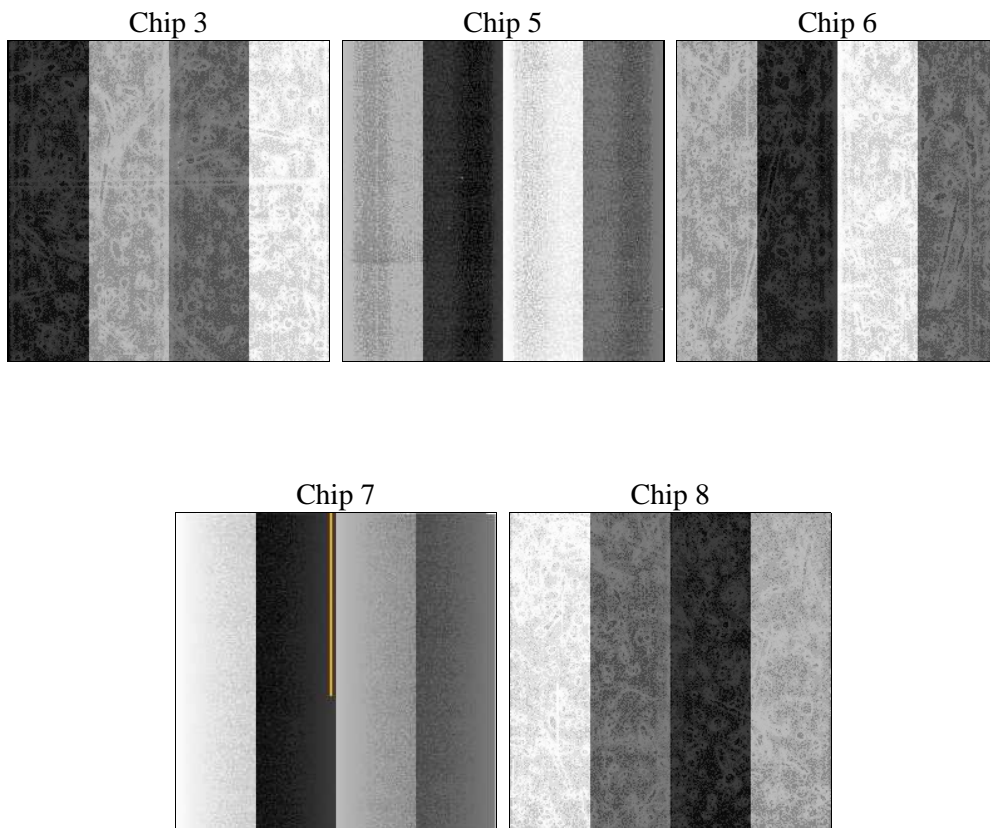
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10077.936089635	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime3	10087.358990446	Sum of GTIs [s]
date	2012-09-22T07:20:58	Date and time of file creation	ontime5	10087.359010354	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	10087.359010354	Sum of GTIs [s]
			ontime7	10077.936089635	Sum of GTIs [s]
			ontime8	10087.359030277	Sum of GTIs [s]
			l1events	382662	Number of level 1 events

2.1.4 Events

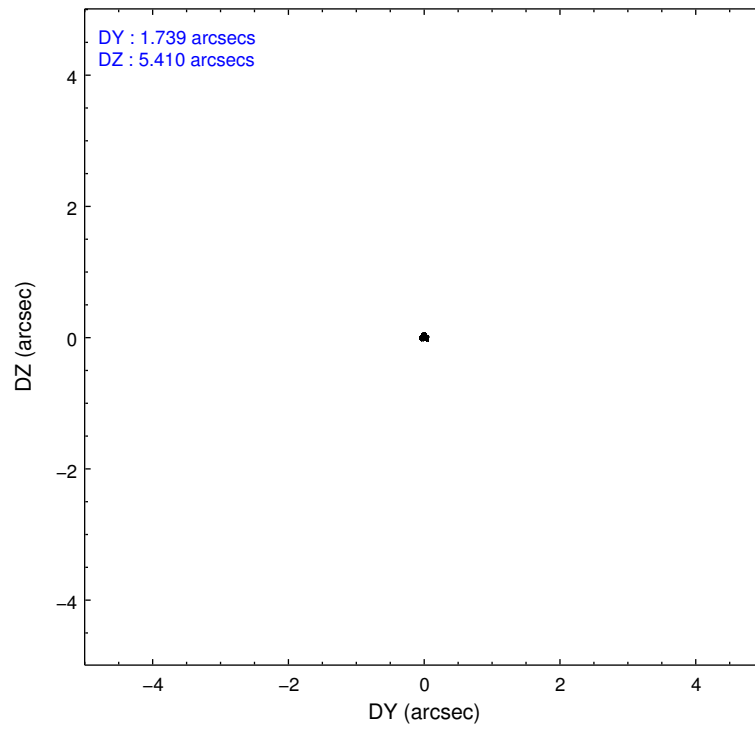
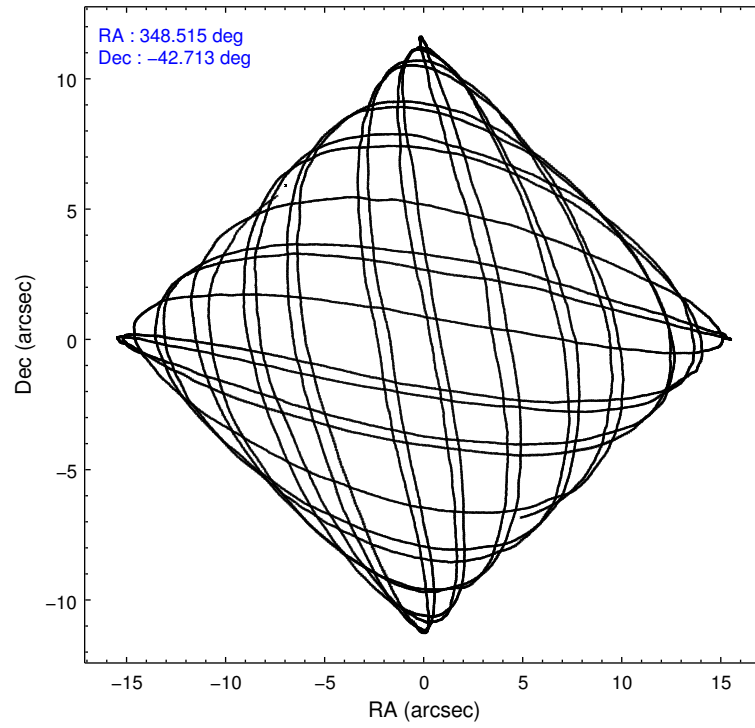
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	57229	74630	60773	117006	73024
rejected events	52126	36443	53439	33055	56703
rejected %	91%	48%	87%	28%	77%

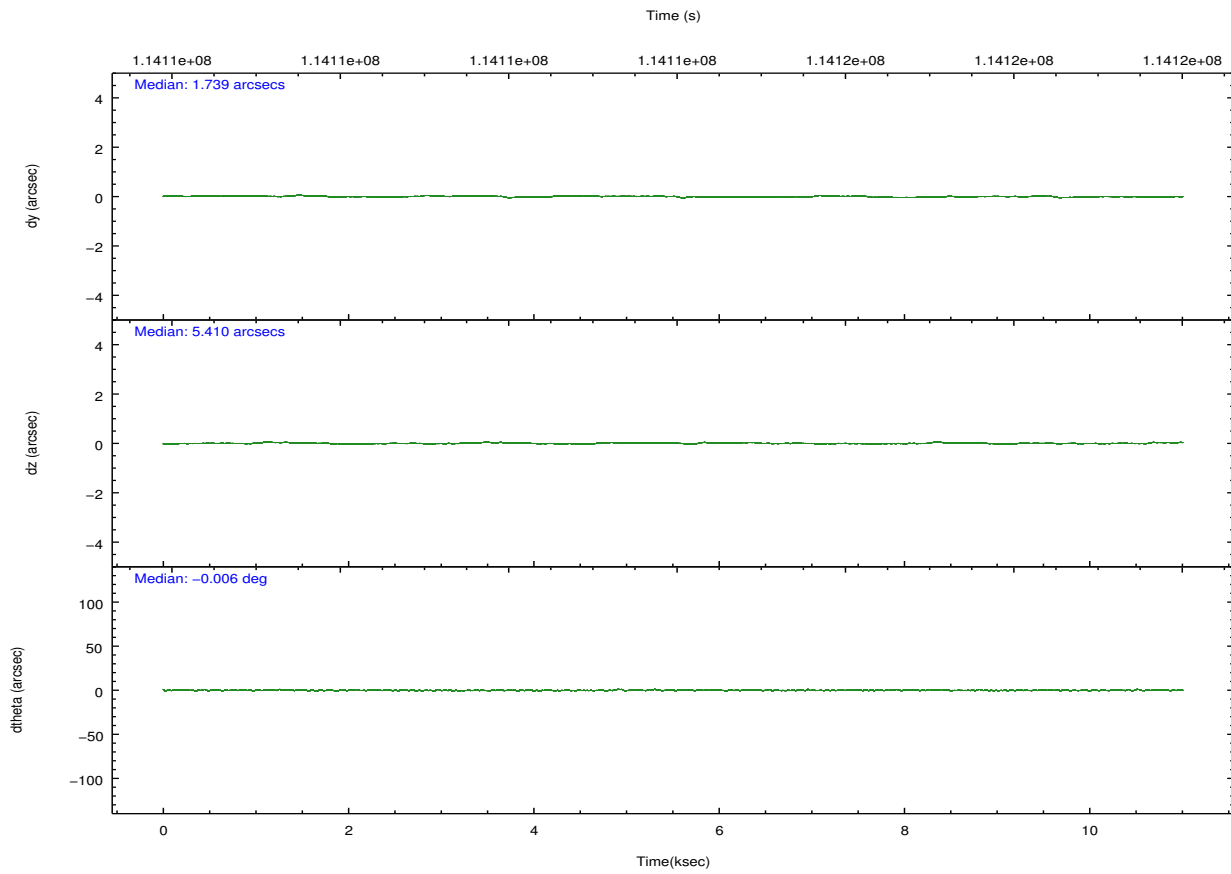
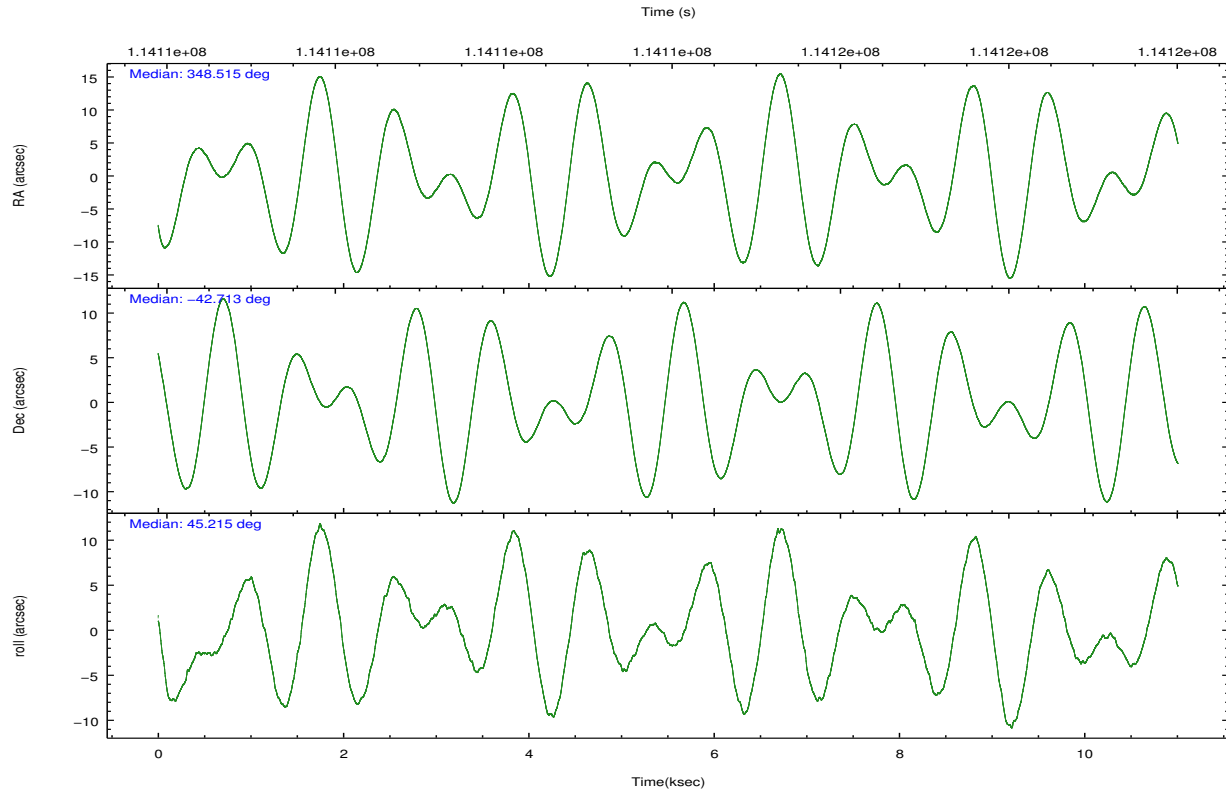
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1859	5991	3507	22491	5136
	3%	8%	5%	19%	7%
grade 1 events	23	225	27	56	42
	0%	0%	0%	0%	0%
grade 2 events	1014	10382	1281	20307	3287
	1%	13%	2%	17%	4%
grade 3 events	605	1827	708	9121	1992
	1%	2%	1%	7%	2%
grade 4 events	604	1783	663	9083	1836
	1%	2%	1%	7%	2%
grade 5 events	1878	6000	2080	6665	2791
	3%	8%	3%	5%	3%
grade 6 events	1022	18215	1179	22972	4071
	1%	24%	1%	19%	5%
grade 7 events	50224	30207	51328	26311	53869
	87%	40%	84%	22%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	348.505448	348.5145236825728	Subarray requested	NONE	NONE
[deg] Pointing Dec	-42.739341	-42.71289185725935	Alternating exposures requested	N	N
[deg] Pointing Roll	45.060854	45.22363273968662	[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)	114109454.184000	114108080.85475			
Observation start date	2001-08-13T17:03:10	2001-08-13T16:41:20			
[s] Observation end time (MET)	114119454.184000	114120152.79273			
Observation end date	2001-08-13T19:49:50	2001-08-13T20:02:32			
Read mode	TIMED	TIMED			

2.3 Aspect



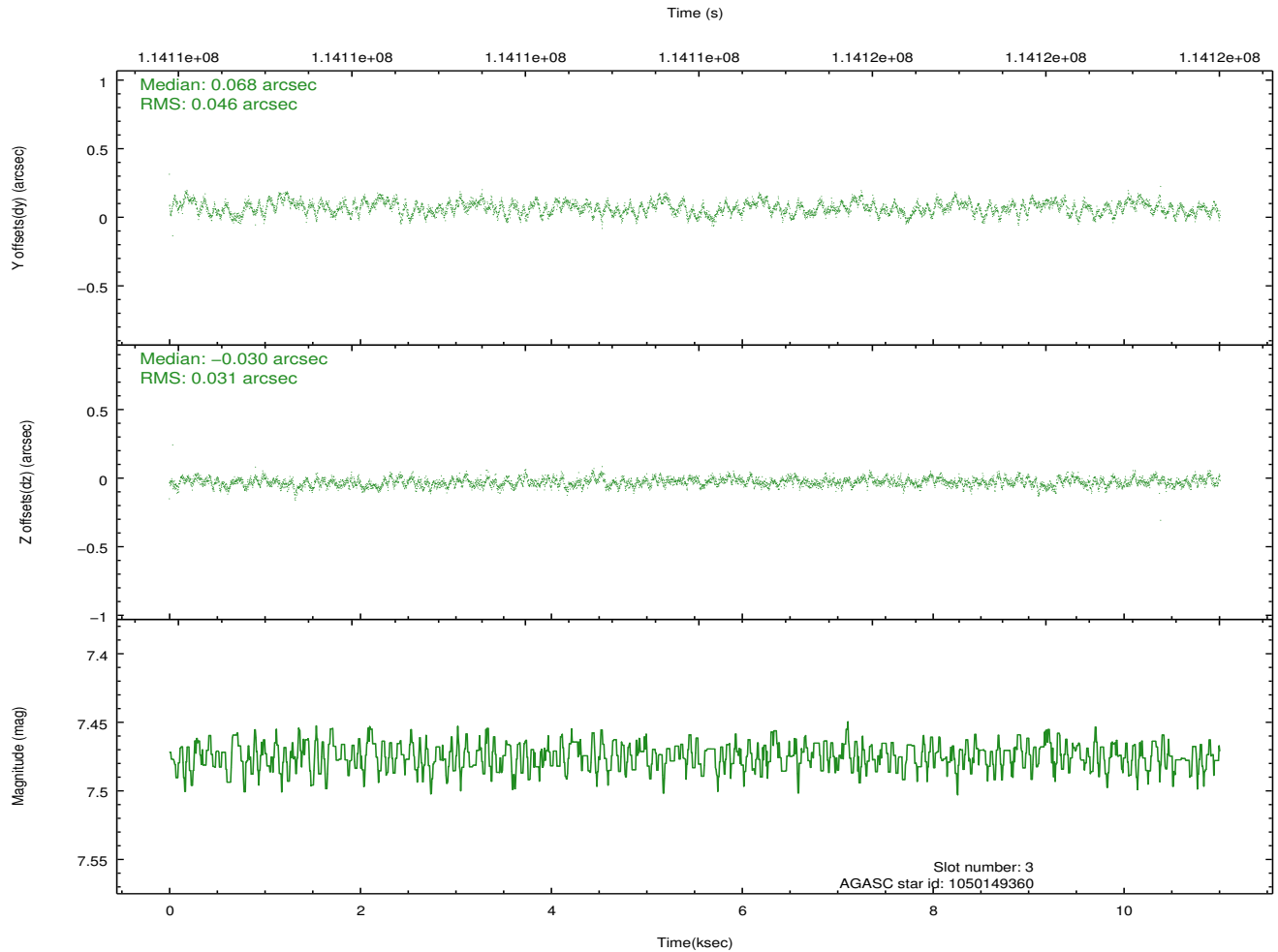
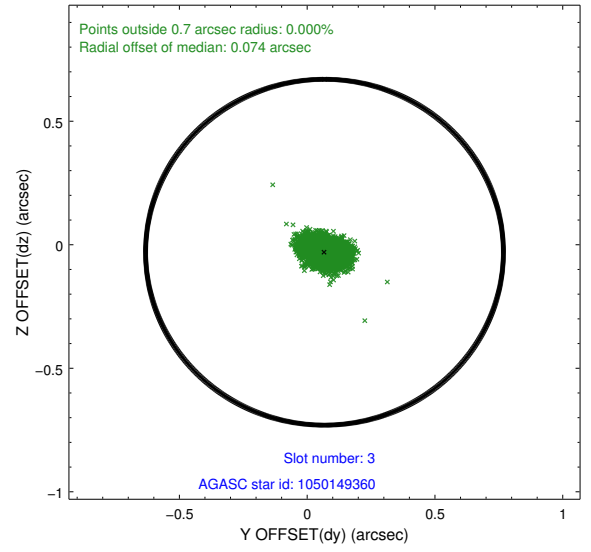
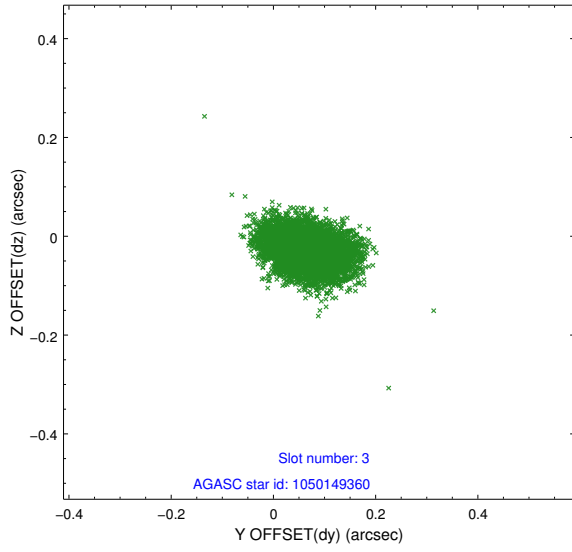


Slot Statistics

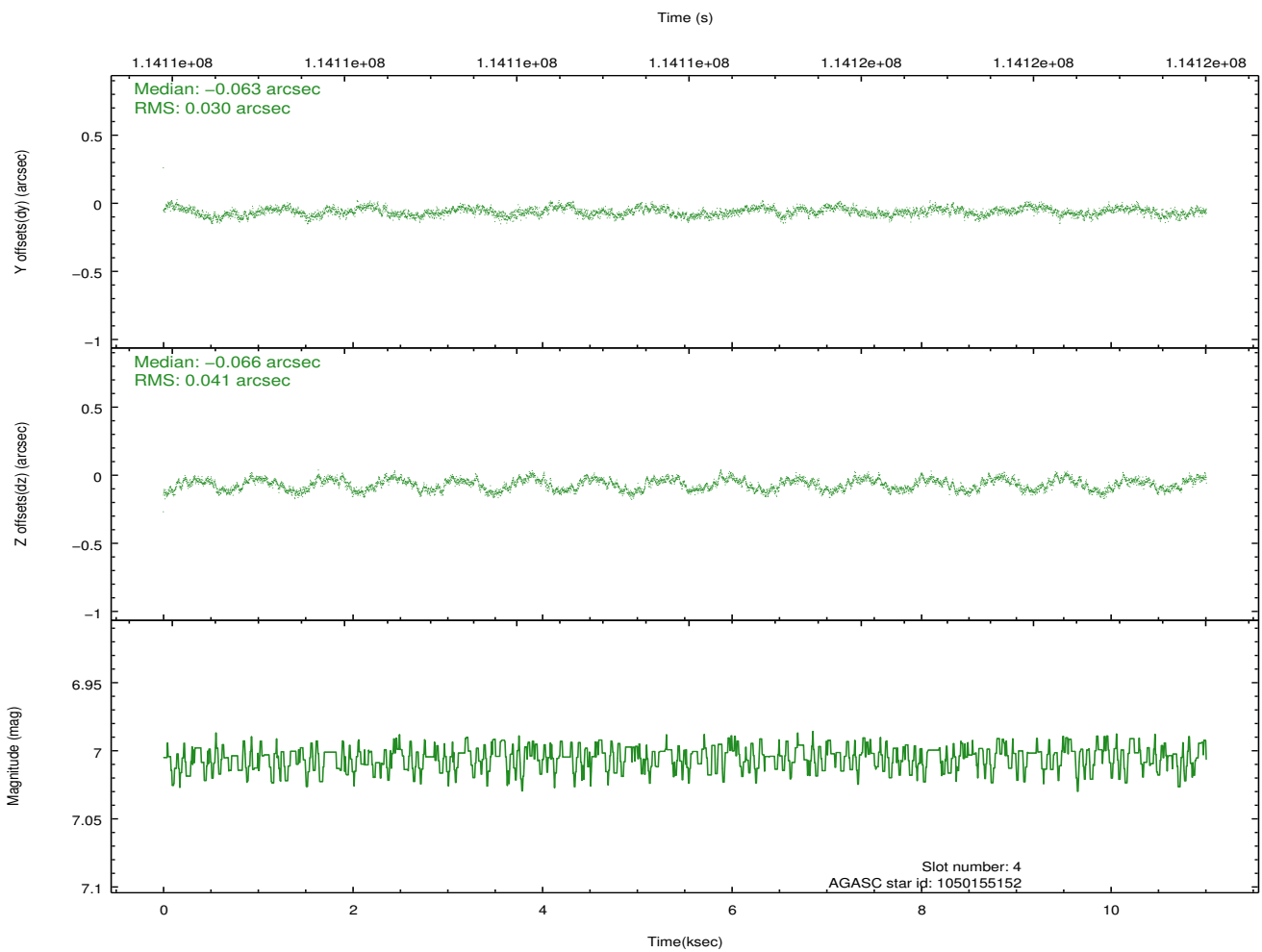
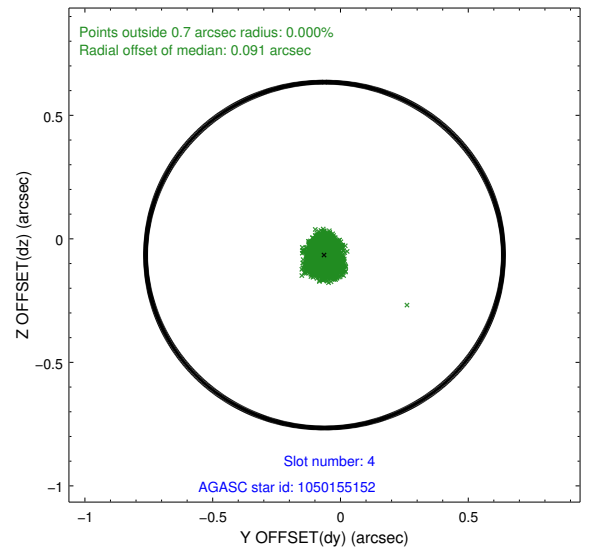
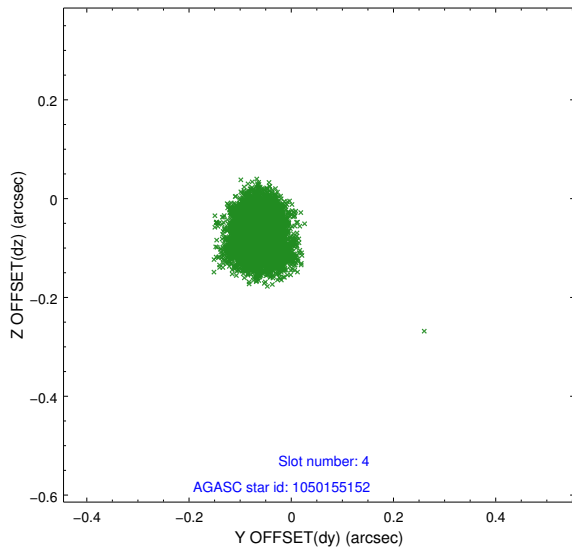
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	2684	-0.019	-0.003	0.007	0.012	0.000000	0.000000	941.68	-1722.16
1	FID	ACIS-S-5	7.24	2682	0.014	-0.005	0.006	0.010	0.000000	0.000000	-1807.03	174.89
2	FID	ACIS-S-6	7.35	2683	-0.016	0.020	0.007	0.012	0.000000	0.000000	406.72	819.42
3	GUIDE	1050149360	7.47	5368	0.068	-0.030	0.058	0.095	347.580087	-42.753657	-1773.86	1685.95
4	GUIDE	1050155152	7.00	5370	-0.063	-0.066	0.056	0.082	347.838008	-42.977731	-1854.48	633.82
5	GUIDE	1050149120	9.14	5368	0.013	0.026	0.077	0.123	348.946168	-42.587694	1209.23	-442.46
6	GUIDE	1050152160	9.31	5371	-0.050	0.057	0.156	0.227	348.746192	-43.299080	-980.91	-1870.03
7	GUIDE	1050158072	9.11	5370	0.041	0.015	0.069	0.110	348.738453	-42.733577	449.34	-421.70

2.4 Star Slots

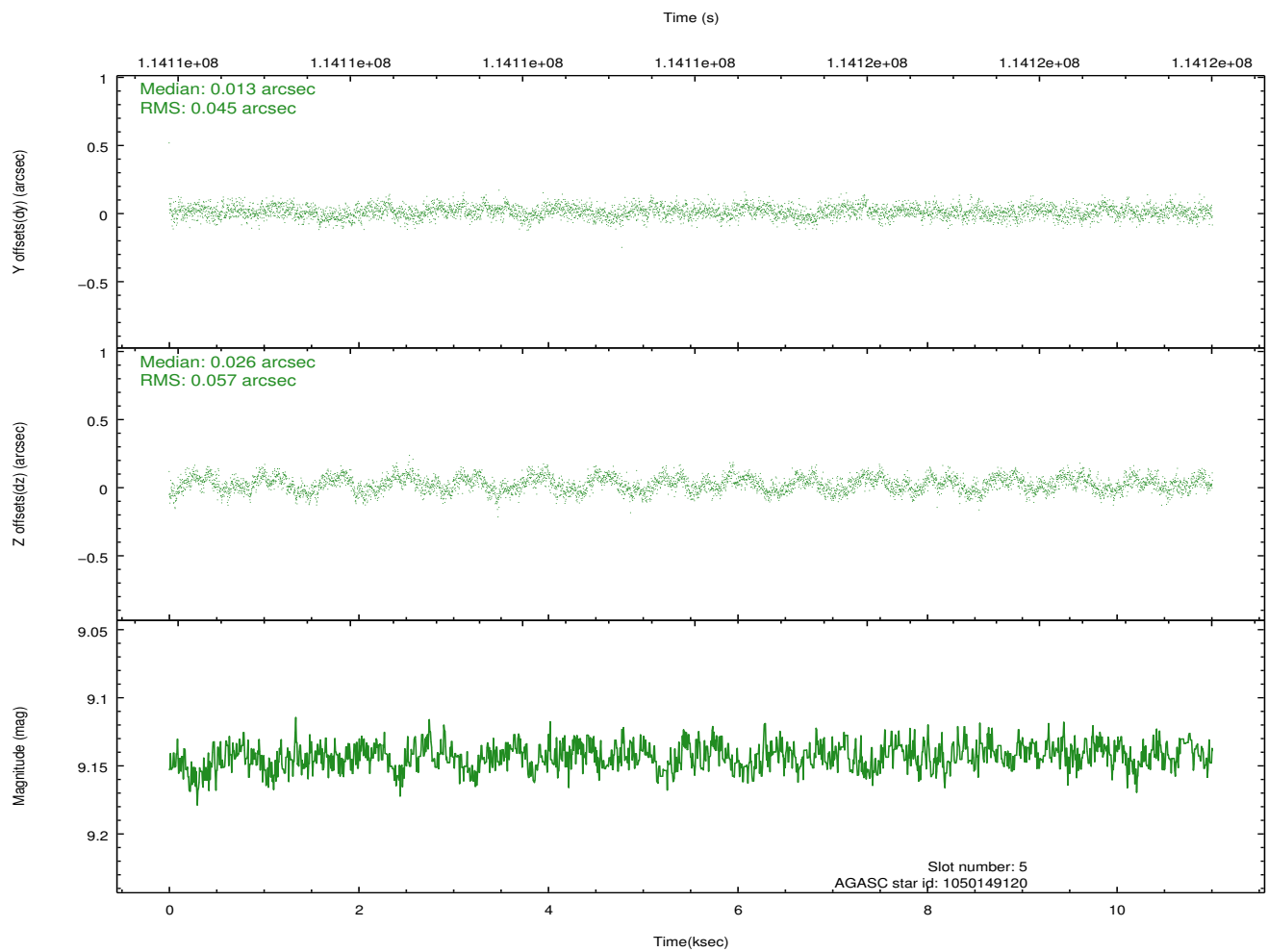
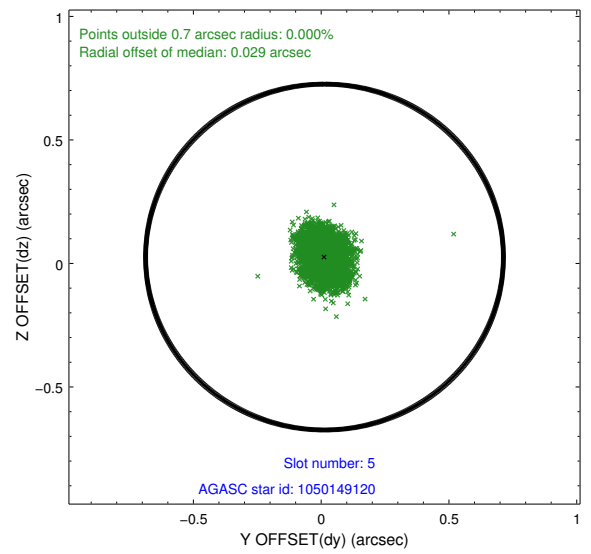
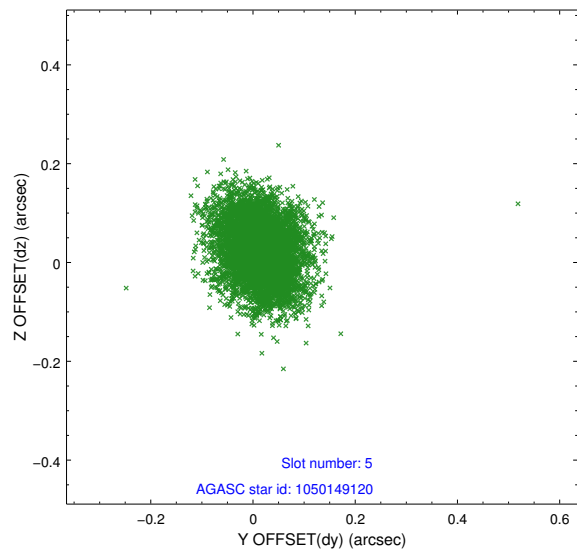
2.4.1 Slot 3



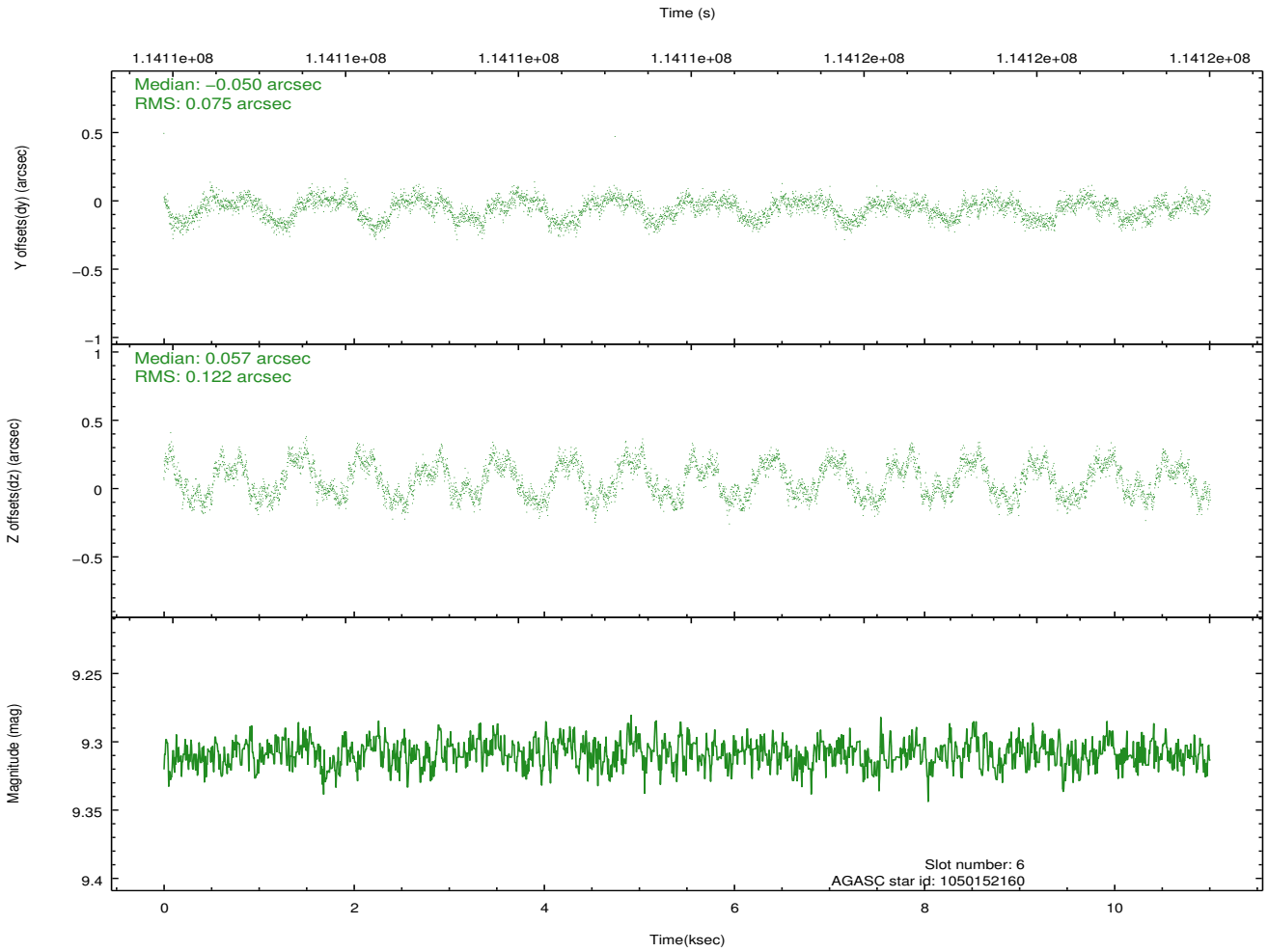
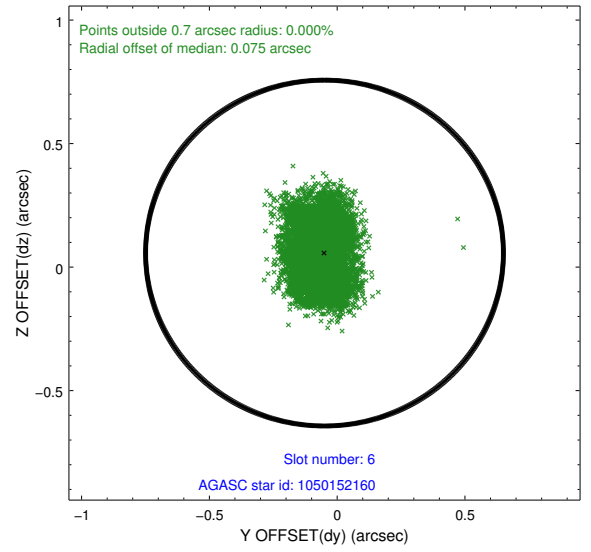
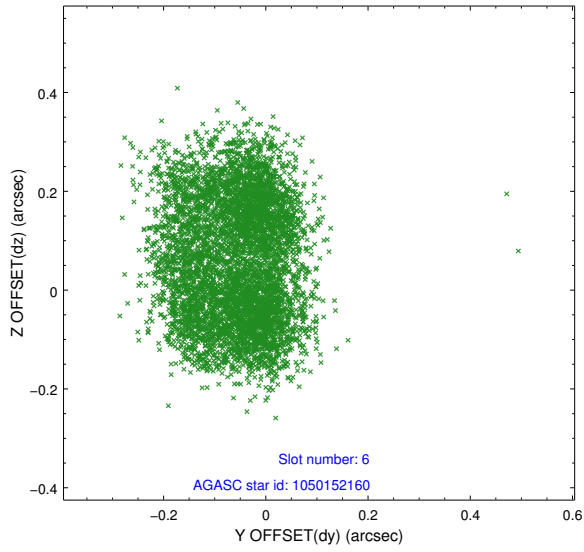
2.4.2 Slot 4



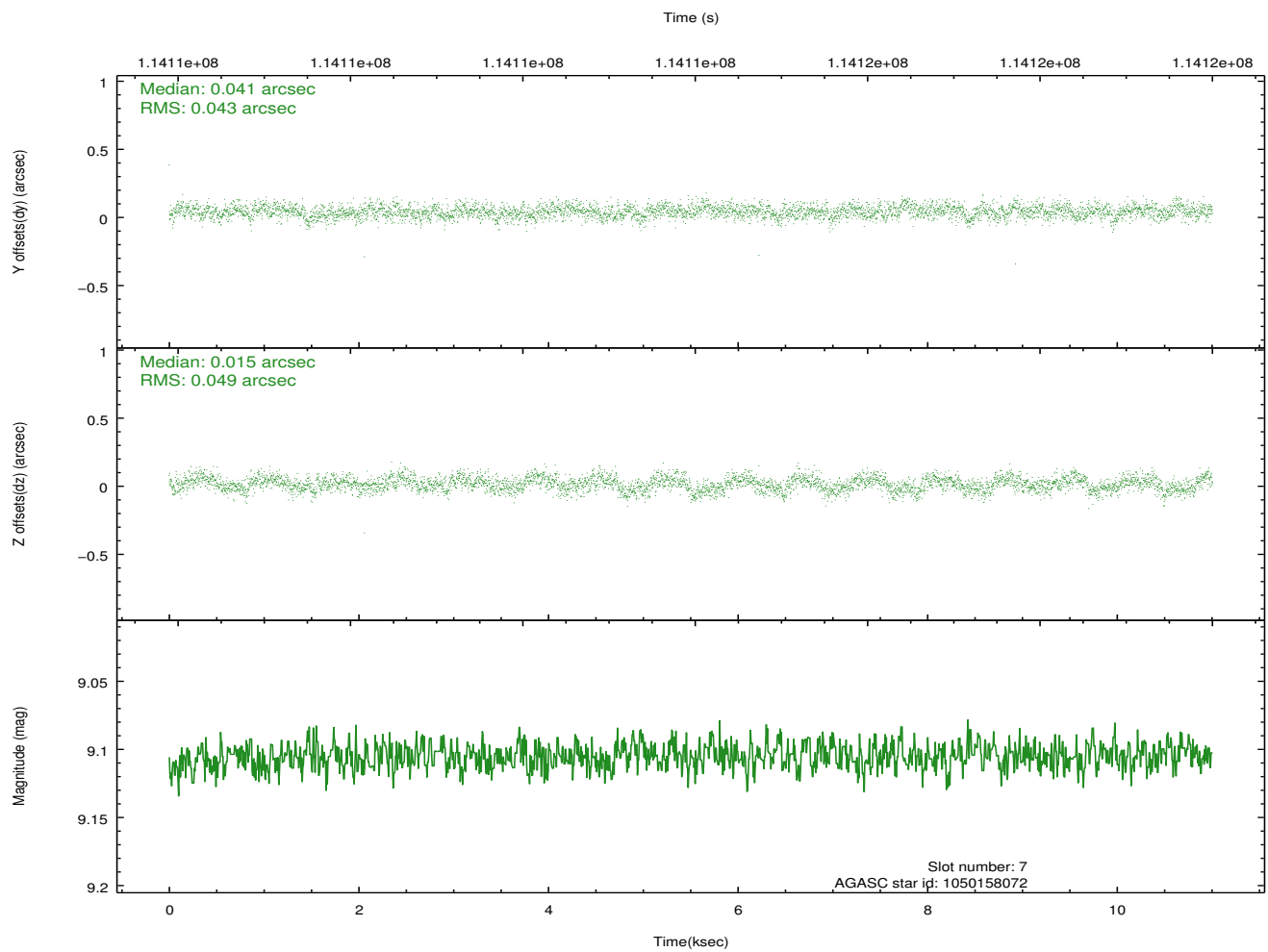
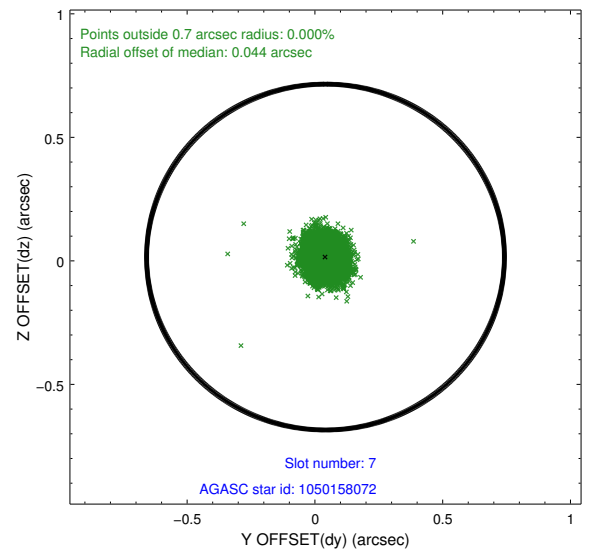
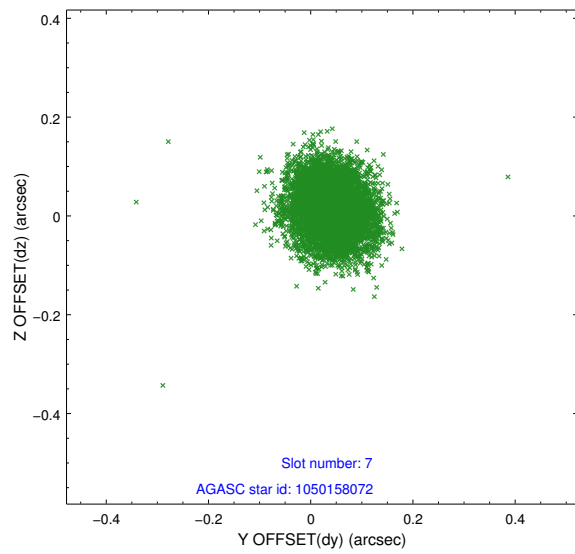
2.4.3 Slot 5



2.4.4 Slot 6

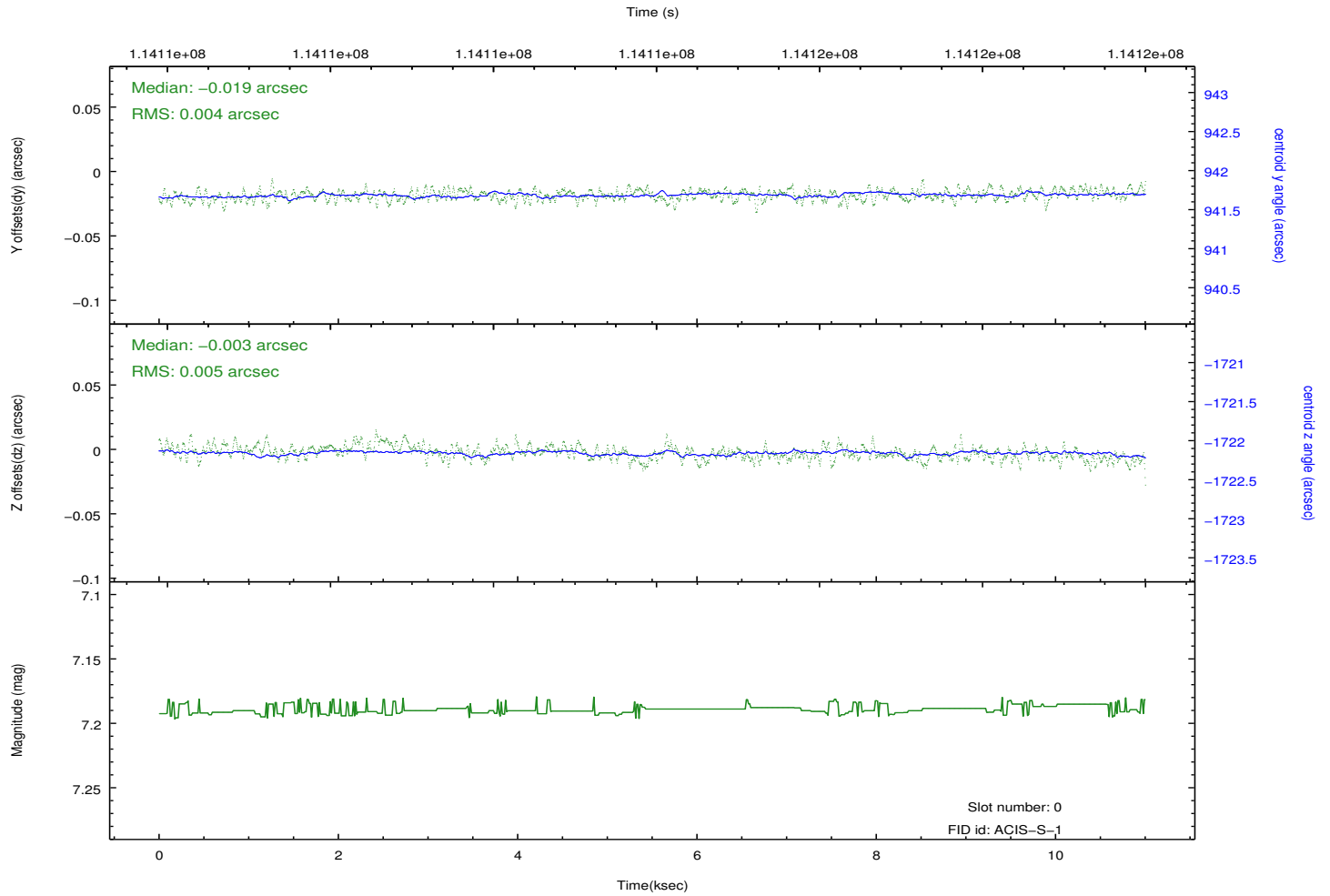
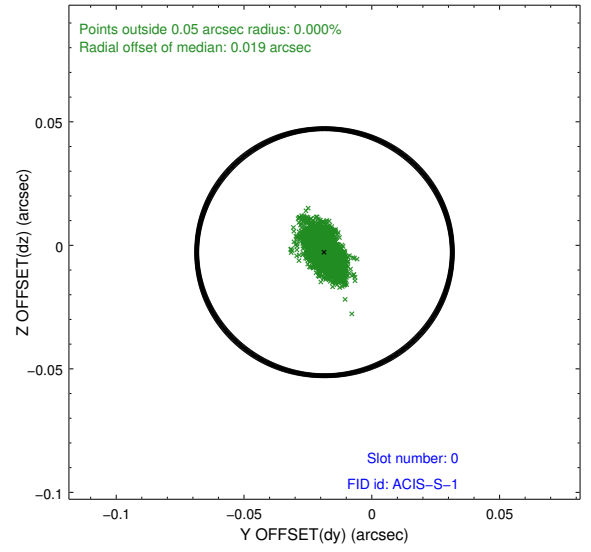
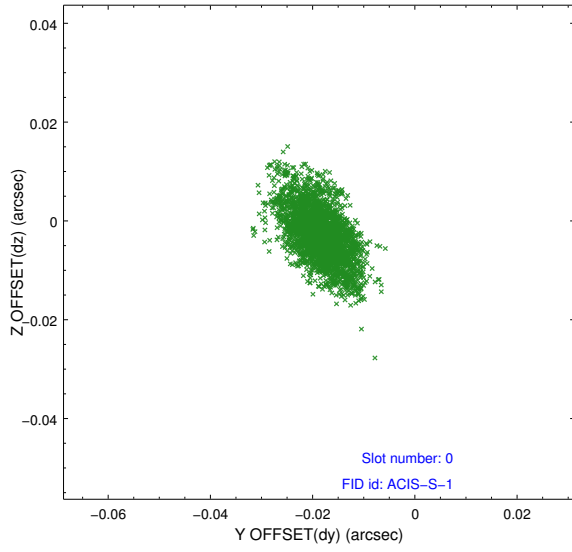


2.4.5 Slot 7

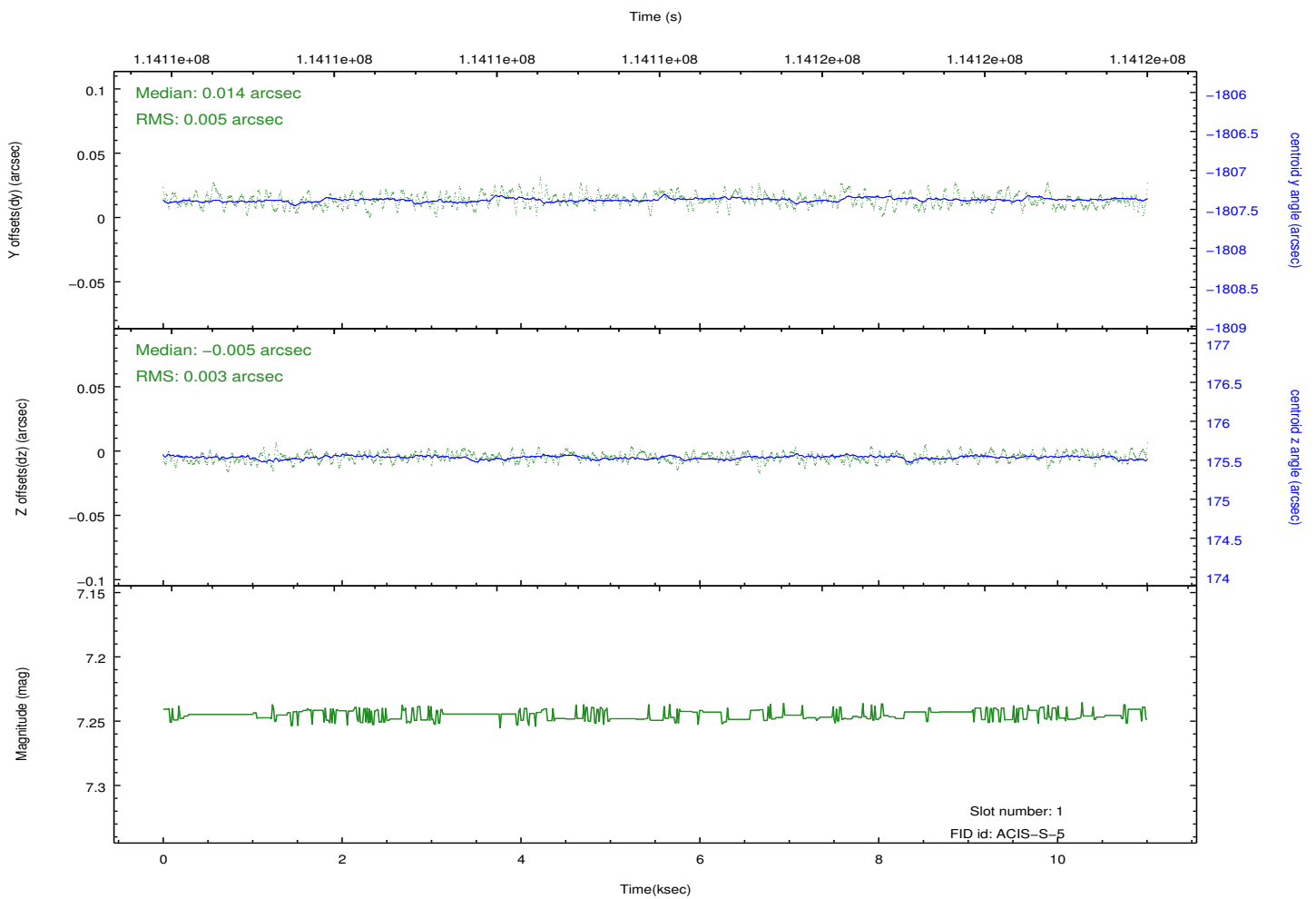
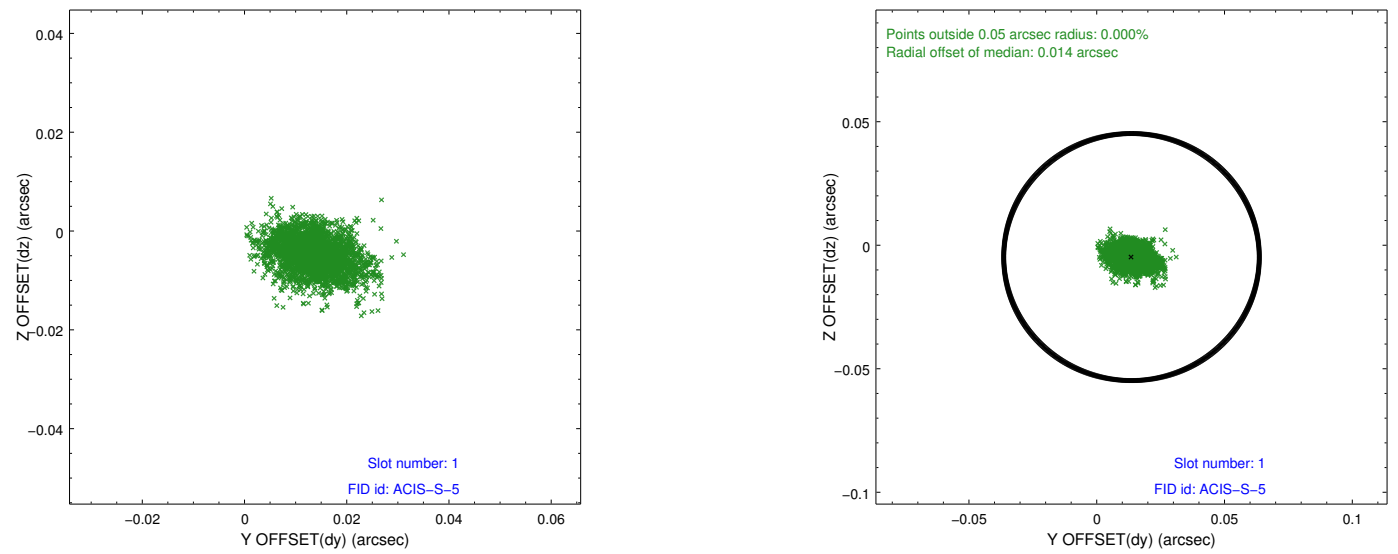


2.5 FID Slots

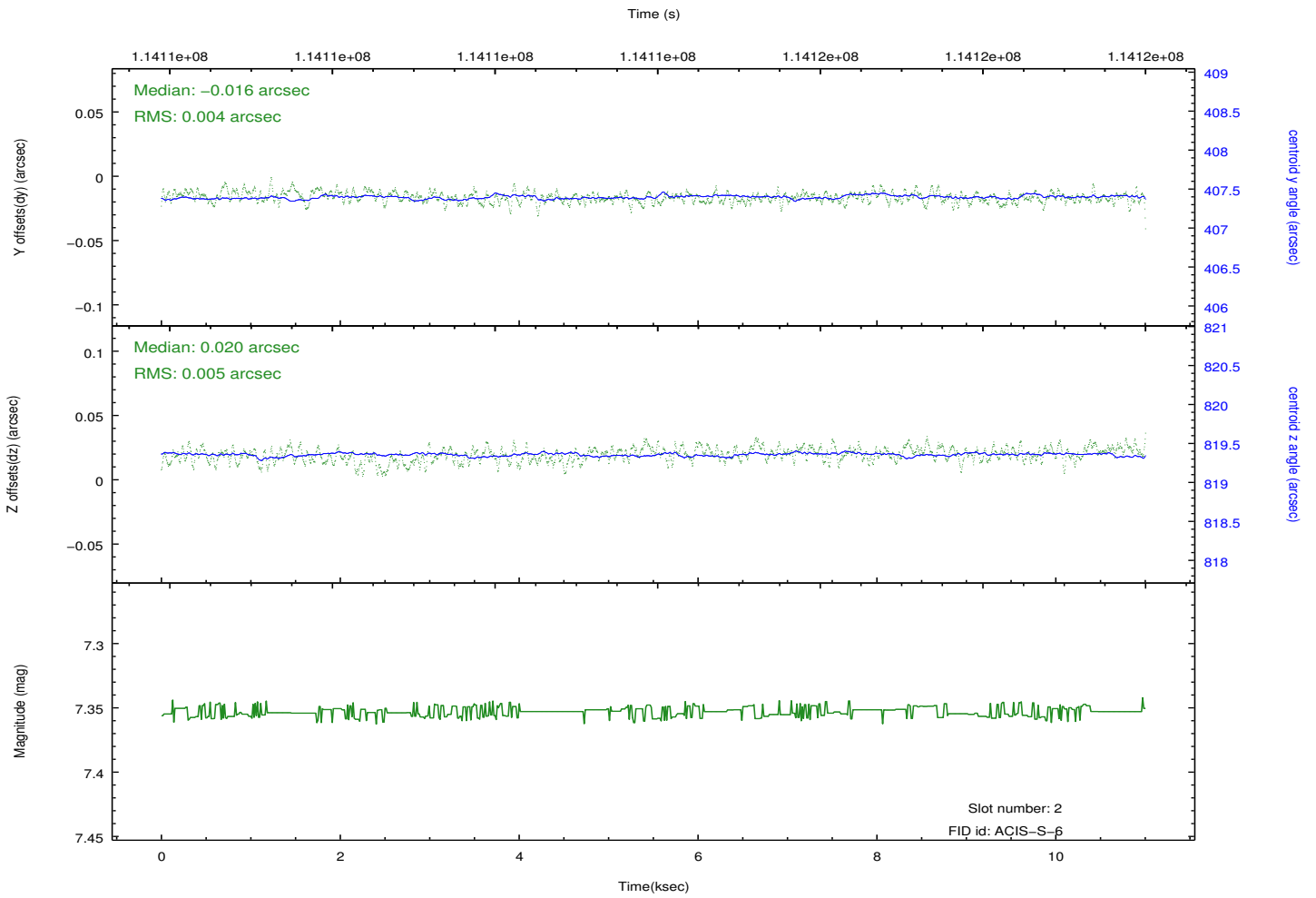
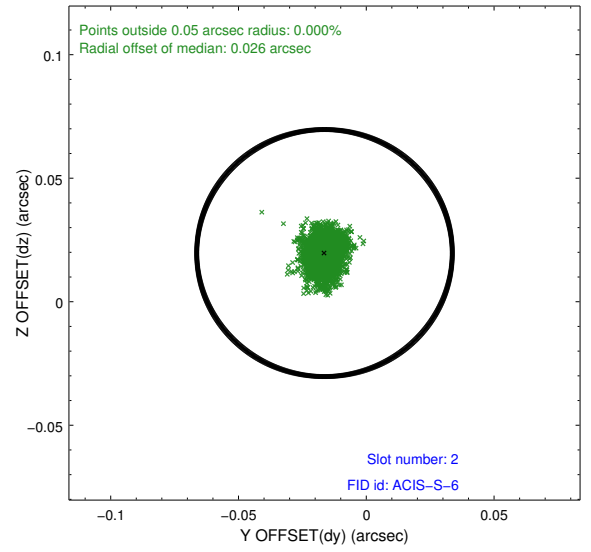
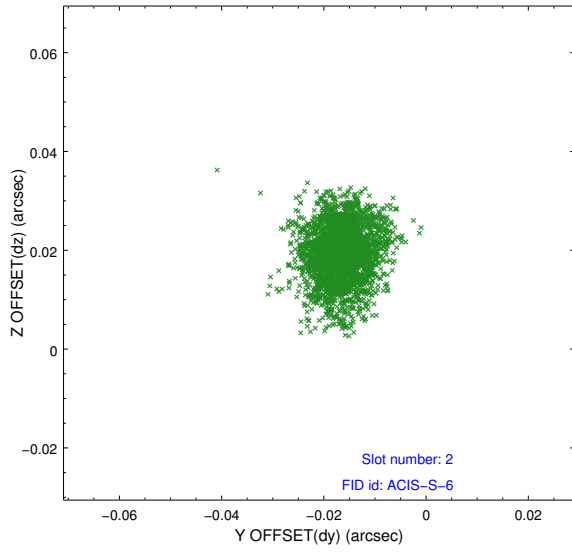
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.081

A.2 Comments