

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11865 - L2 Version 2
Chandra X-Ray Center

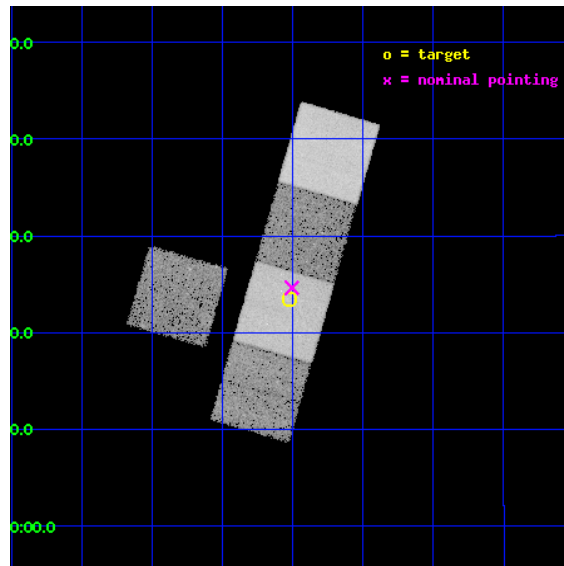
L2 Processing Date : Jun 28 2012

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1 Front

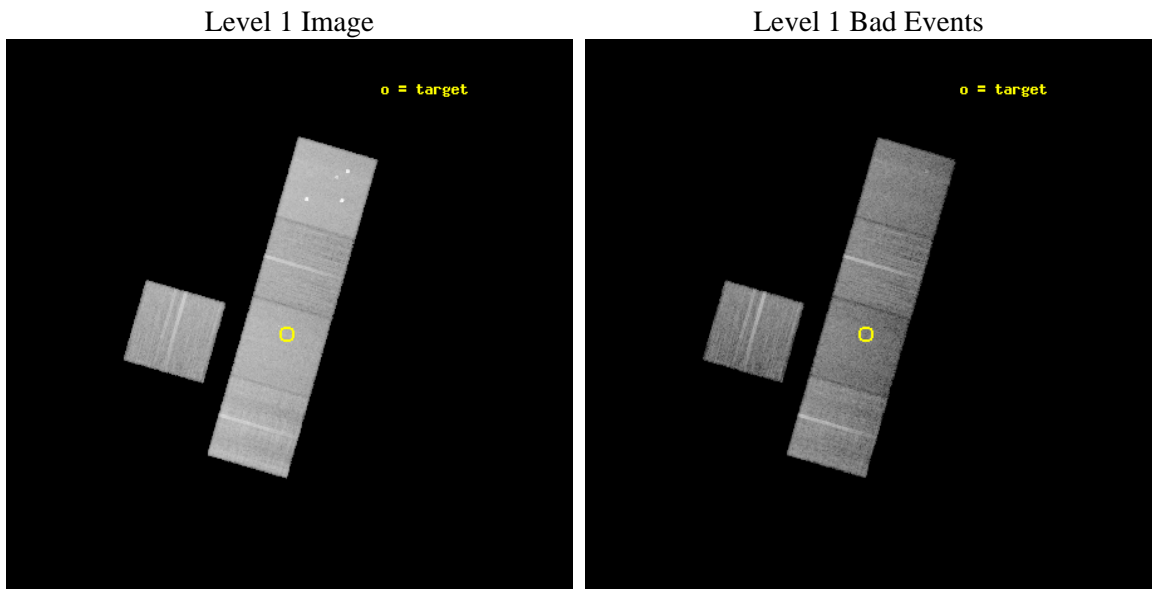
seq_num	800919	Sequence number
obs_id	11865	Observation id
title	X-ray view of a unique relic radio mini-halo in a poor cluster of galaxies	Proposal title
observer	Dr. Peter Predehl	Principal investigator
object	MRC 0116+111	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	19.755833	Observer's specified target RA [deg]
dec_targ	11.390278	Observer's specified target Dec [deg]
ra_nom	19.751573108004	Nominal RA [deg]
dec_nom	11.410740616458	Nominal Dec [deg]
roll_nom	106.15746869262	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18538.000142574	Sum of GTIs [s]
livetime	18295.787523234	Livetime [s]
ontime3	18538.000142574	Sum of GTIs [s]
ontime5	18538.000142574	Sum of GTIs [s]
ontime6	18538.000142574	Sum of GTIs [s]
ontime7	18538.000142574	Sum of GTIs [s]
ontime8	18534.859182239	Sum of GTIs [s]
l2events	214155	Number of level 2 events



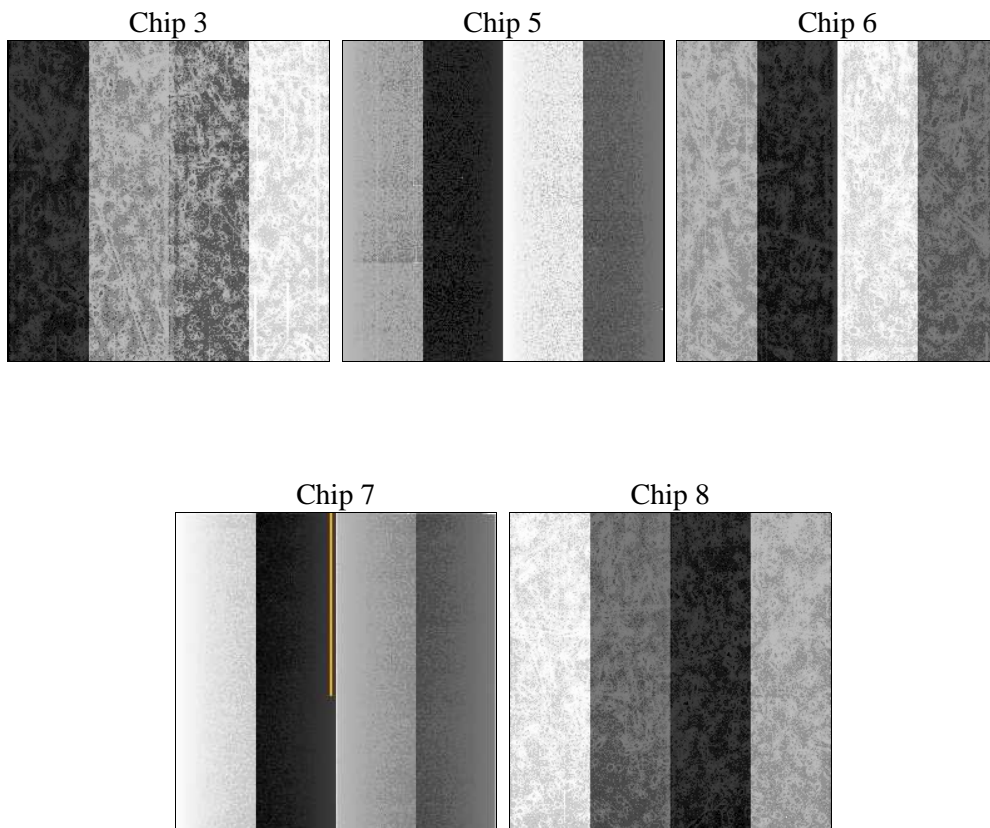
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	18500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	18538.000142574	Sum of GTIs [s]
caldbver	4.5.0	 	ontime3	18538.000142574	Sum of GTIs [s]
date	2012-06-28T21:21:02	Date and time of file creation	ontime5	18538.000142574	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	18538.000142574	Sum of GTIs [s]
			ontime7	18538.000142574	Sum of GTIs [s]
			ontime8	18534.859182239	Sum of GTIs [s]
			l1events	842649	Number of level 1 events

2.1.4 Events

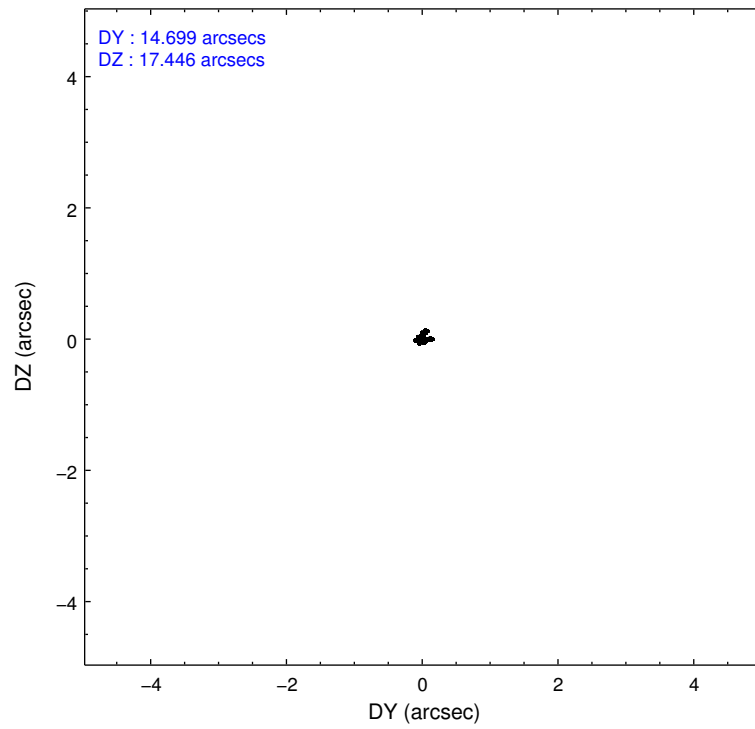
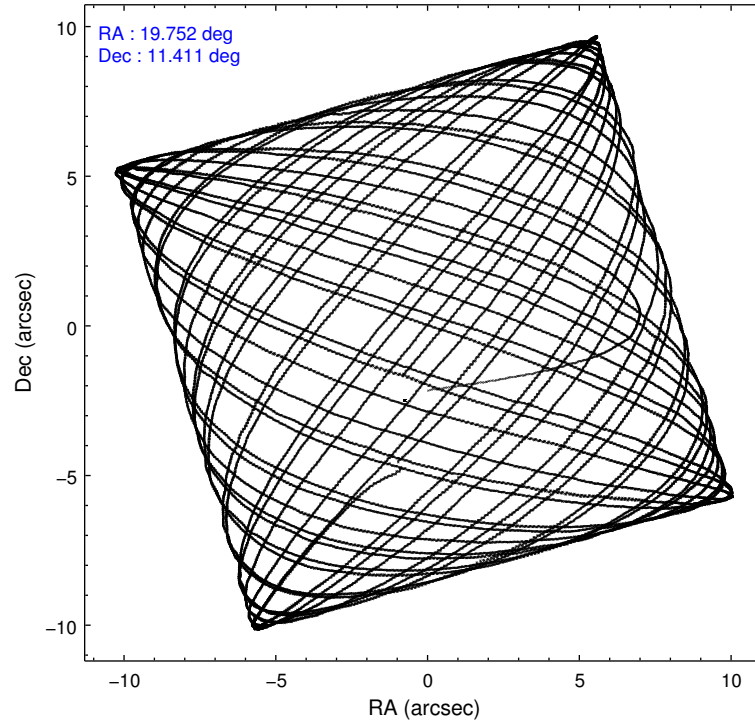
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	131342	216917	139688	169288	185414
rejected events	117313	106170	124297	93067	136911
rejected %	89%	48%	88%	54%	73%

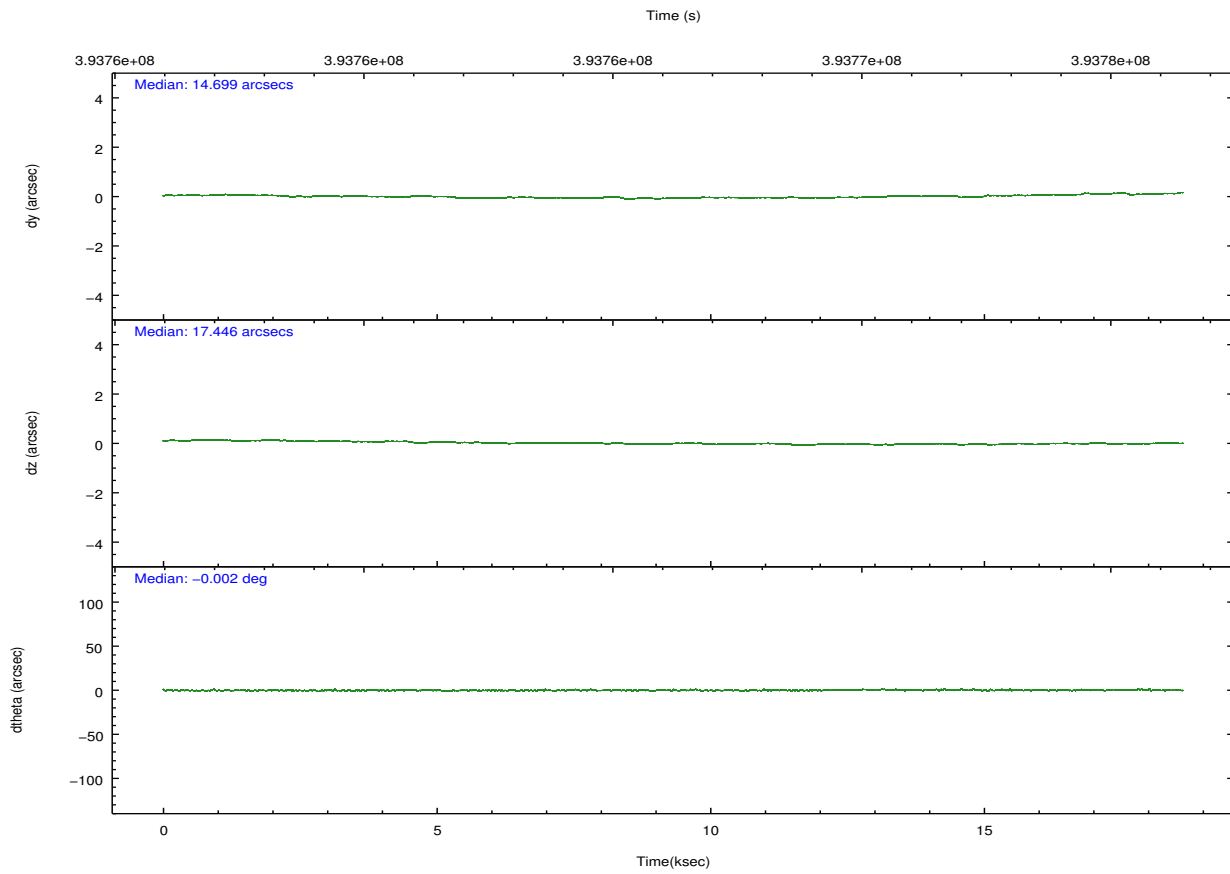
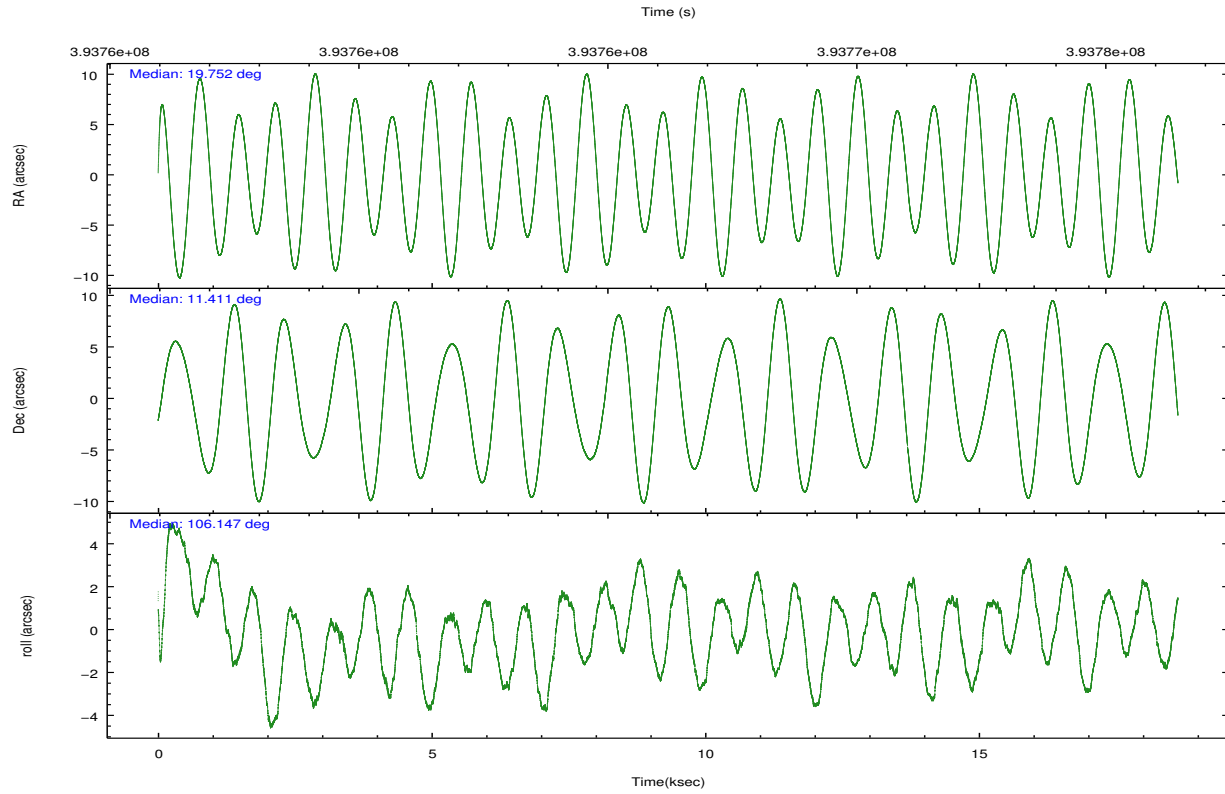
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	5013	16714	5239	6991	14974
	3%	7%	3%	4%	8%
grade 1 events	74	552	73	201	133
	0%	0%	0%	0%	0%
grade 2 events	3092	31569	3509	15628	11167
	2%	14%	2%	9%	6%
grade 3 events	1562	4154	1657	6723	4951
	1%	1%	1%	3%	2%
grade 4 events	1551	4006	1662	6880	4610
	1%	1%	1%	4%	2%
grade 5 events	6237	16269	6134	17913	9205
	4%	7%	4%	10%	4%
grade 6 events	2815	54337	3328	40030	12812
	2%	25%	2%	23%	6%
grade 7 events	110998	89316	118086	74922	127562
	84%	41%	84%	44%	68%

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	19.771949	19.75157310800384	Subarray requested	NONE	NONE
[deg] Pointing Dec	11.392029	11.41074061645781	Alternating exposures requested	N	N
[deg] Pointing Roll	105.996817	106.1574686926191	[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)	393757024.184000	393755794.6018			
Observation start date	2010-06-24T08:55:58	2010-06-24T08:36:34			
[s] Observation end time (MET)	393775524.184000	393776473.97785			
Observation end date	2010-06-24T14:04:18	2010-06-24T14:21:13			
Read mode	TIMED	TIMED			

2.3 Aspect



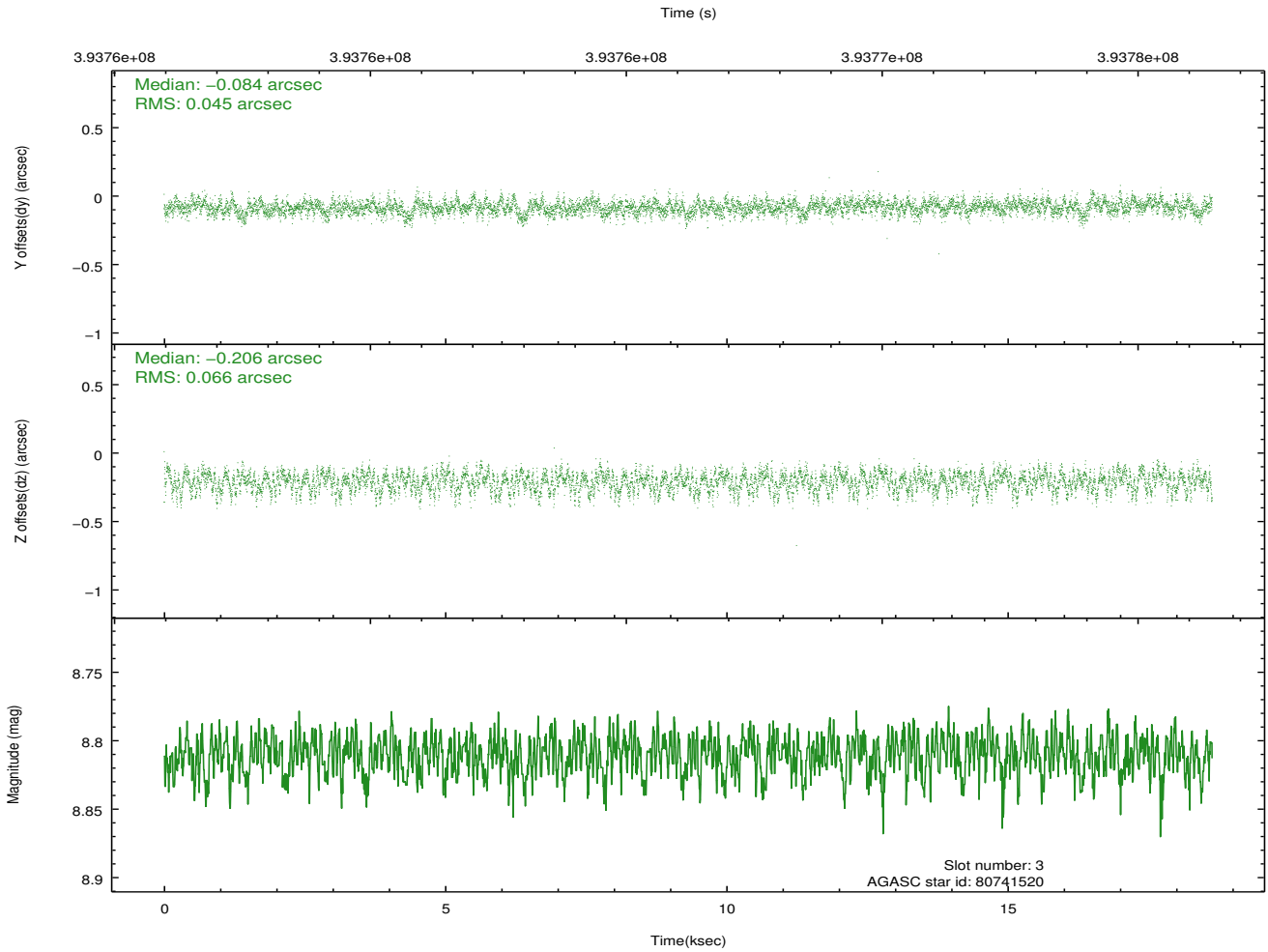
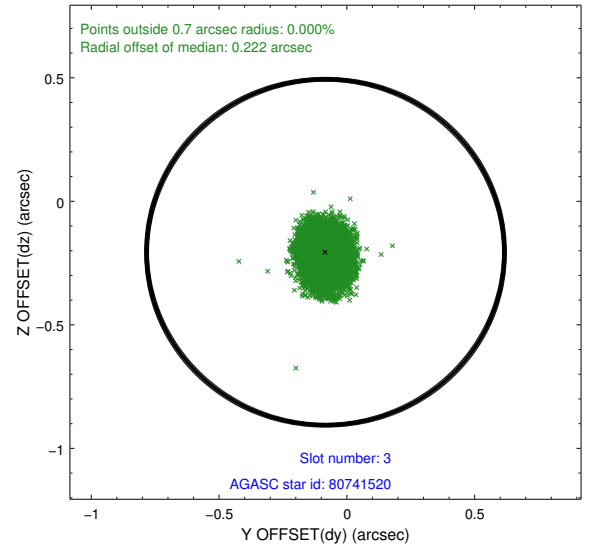
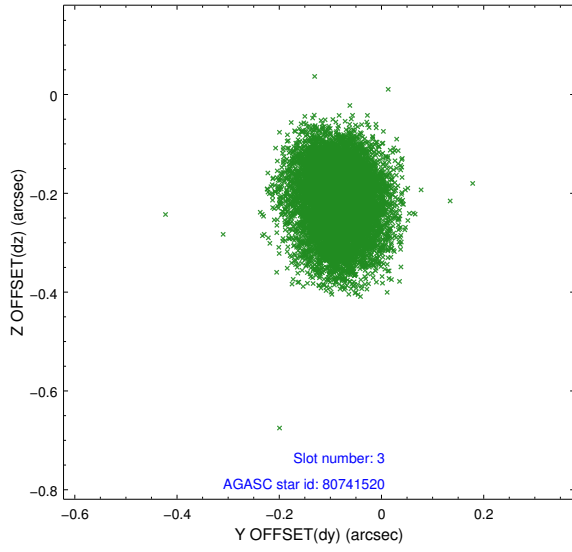


Slot Statistics

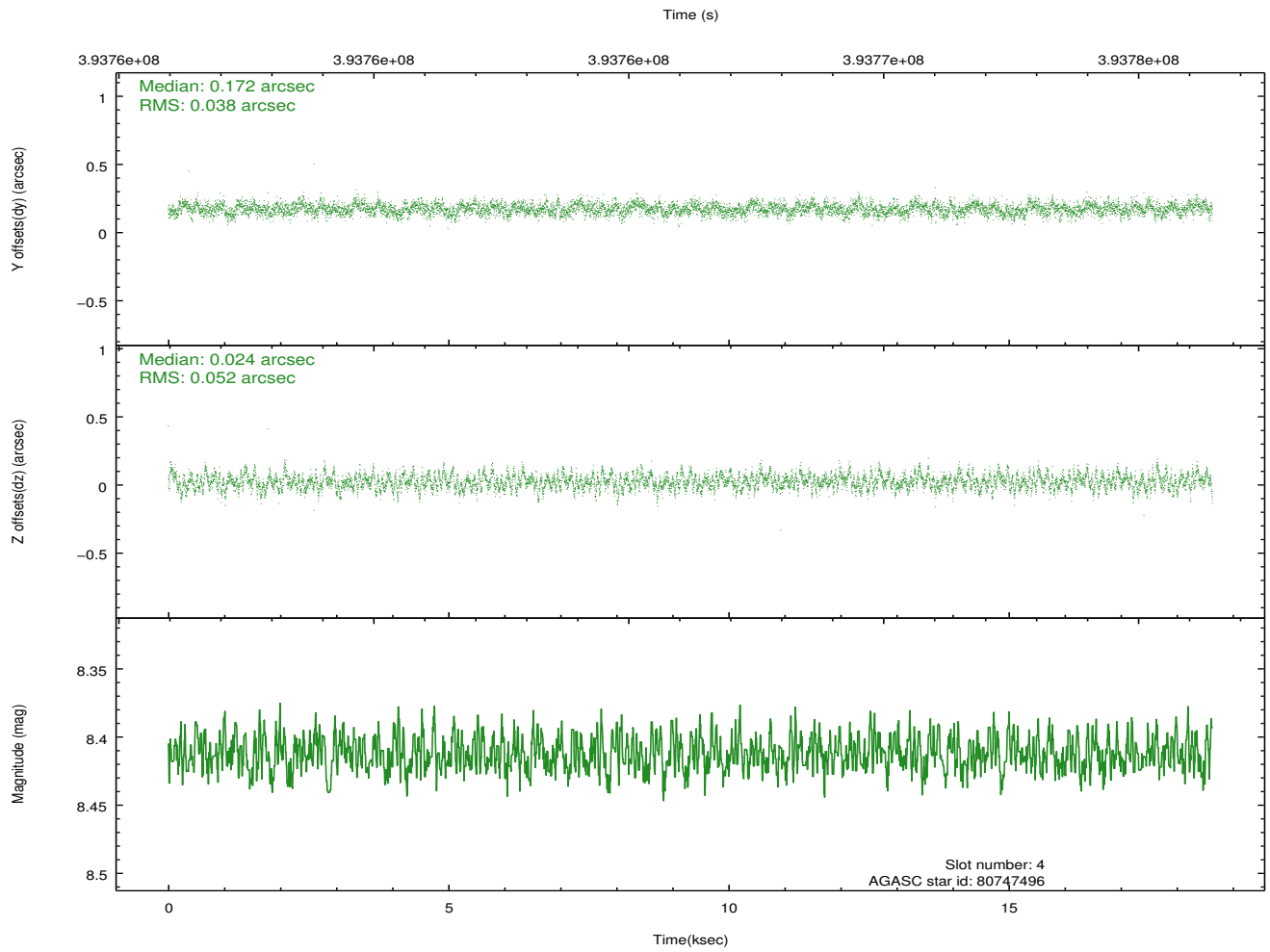
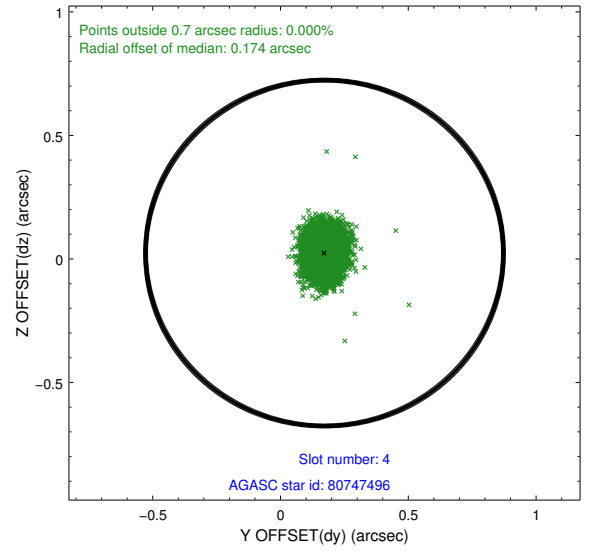
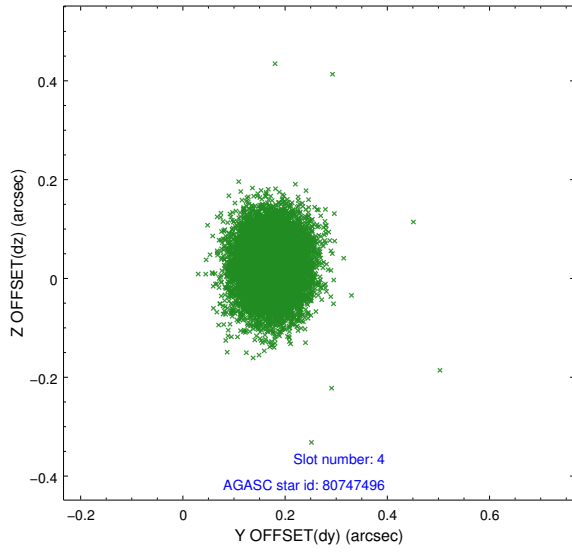
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	4544	-0.099	-0.051	0.010	0.016	0.000000	0.000000	-767.84	-1738.87
1	FID	ACIS-S-4	6.96	4545	0.111	0.058	0.007	0.012	0.000000	0.000000	2145.63	169.38
2	FID	ACIS-S-6	7.10	4545	-0.040	-0.001	0.010	0.016	0.000000	0.000000	394.58	807.02
3	GUIDE	80741520	8.81	9088	-0.084	-0.206	0.085	0.138	20.425530	11.270725	-1052.76	-2098.71
4	GUIDE	80747496	8.41	9089	0.172	0.024	0.067	0.112	20.204337	11.457987	-191.50	-1533.18
5	GUIDE	80747576	8.55	9088	-0.042	0.012	0.067	0.109	20.050774	11.778516	1067.06	-1326.09
6	GUIDE	80749792	9.36	9077	0.131	0.045	0.119	0.190	19.972301	11.082773	-1264.55	-373.75
7	GUIDE	80745464	8.17	9085	-0.176	0.133	0.072	0.115	20.318544	11.926801	1321.96	-2381.40

2.4 Star Slots

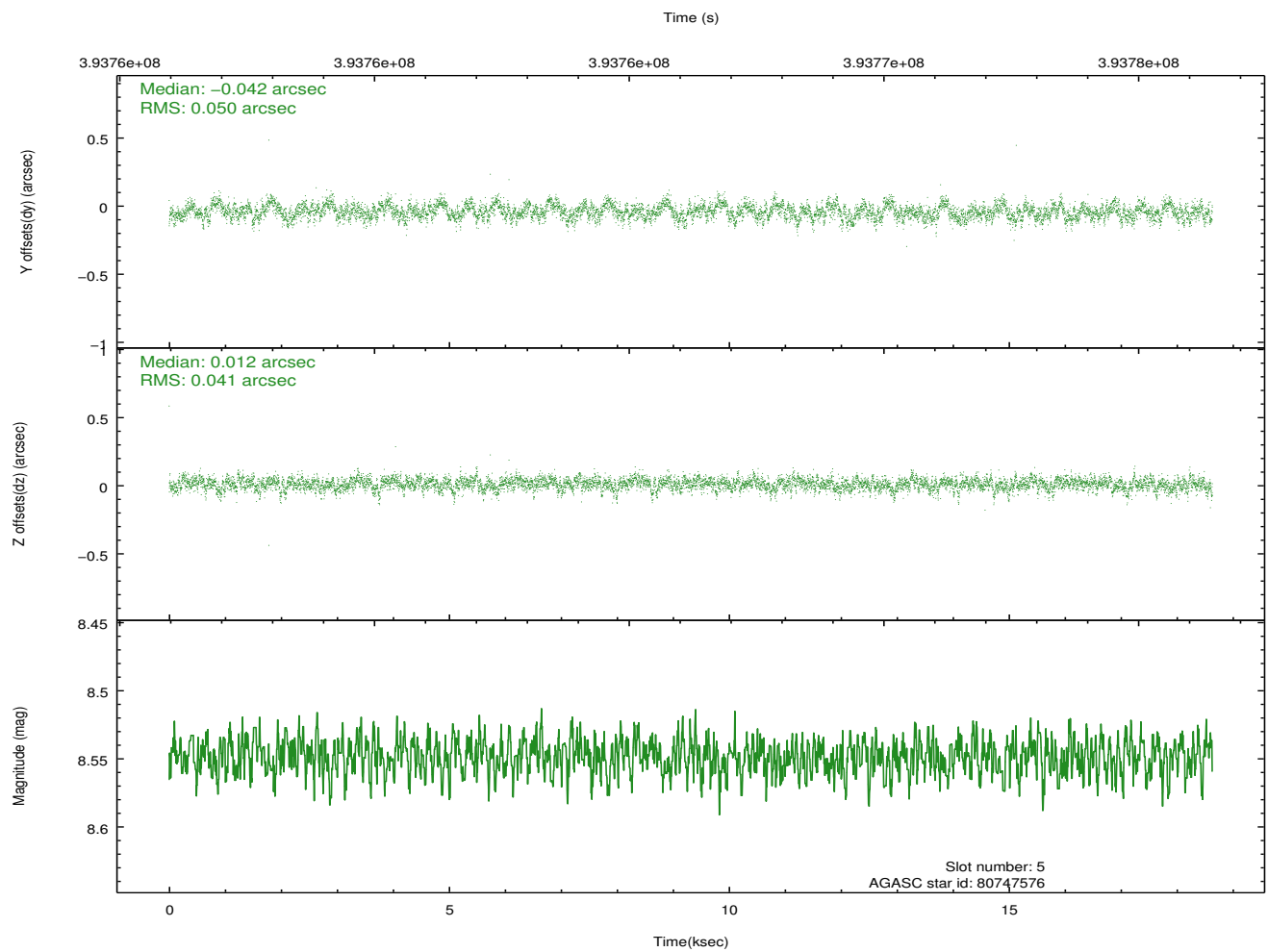
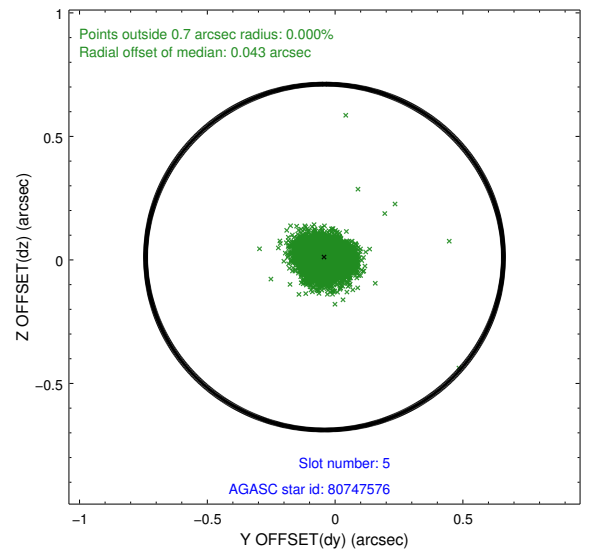
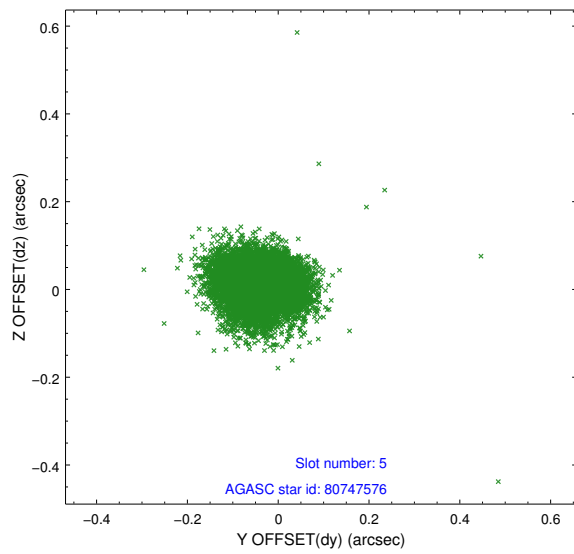
2.4.1 Slot 3



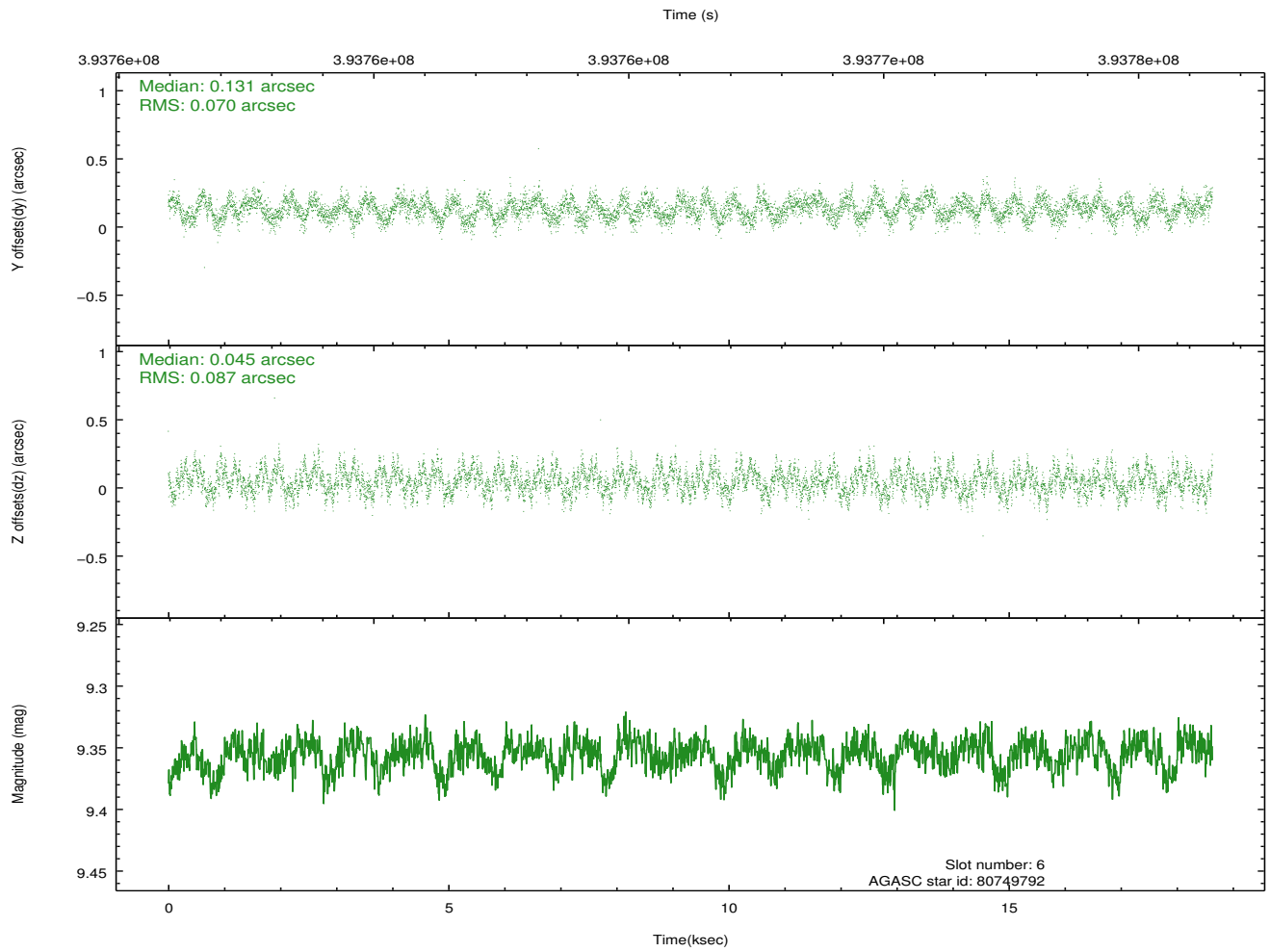
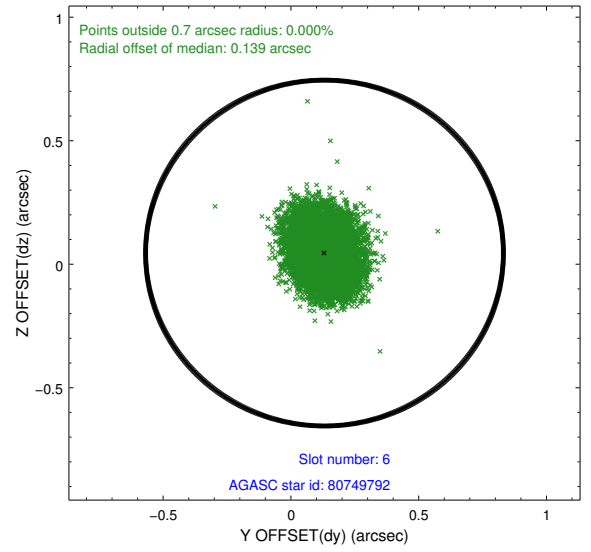
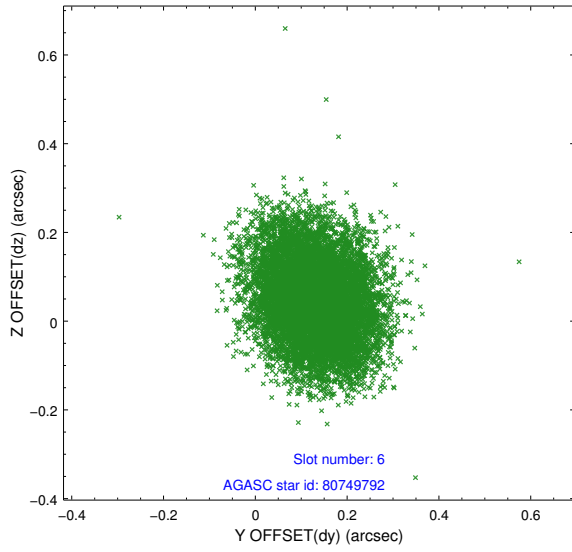
2.4.2 Slot 4



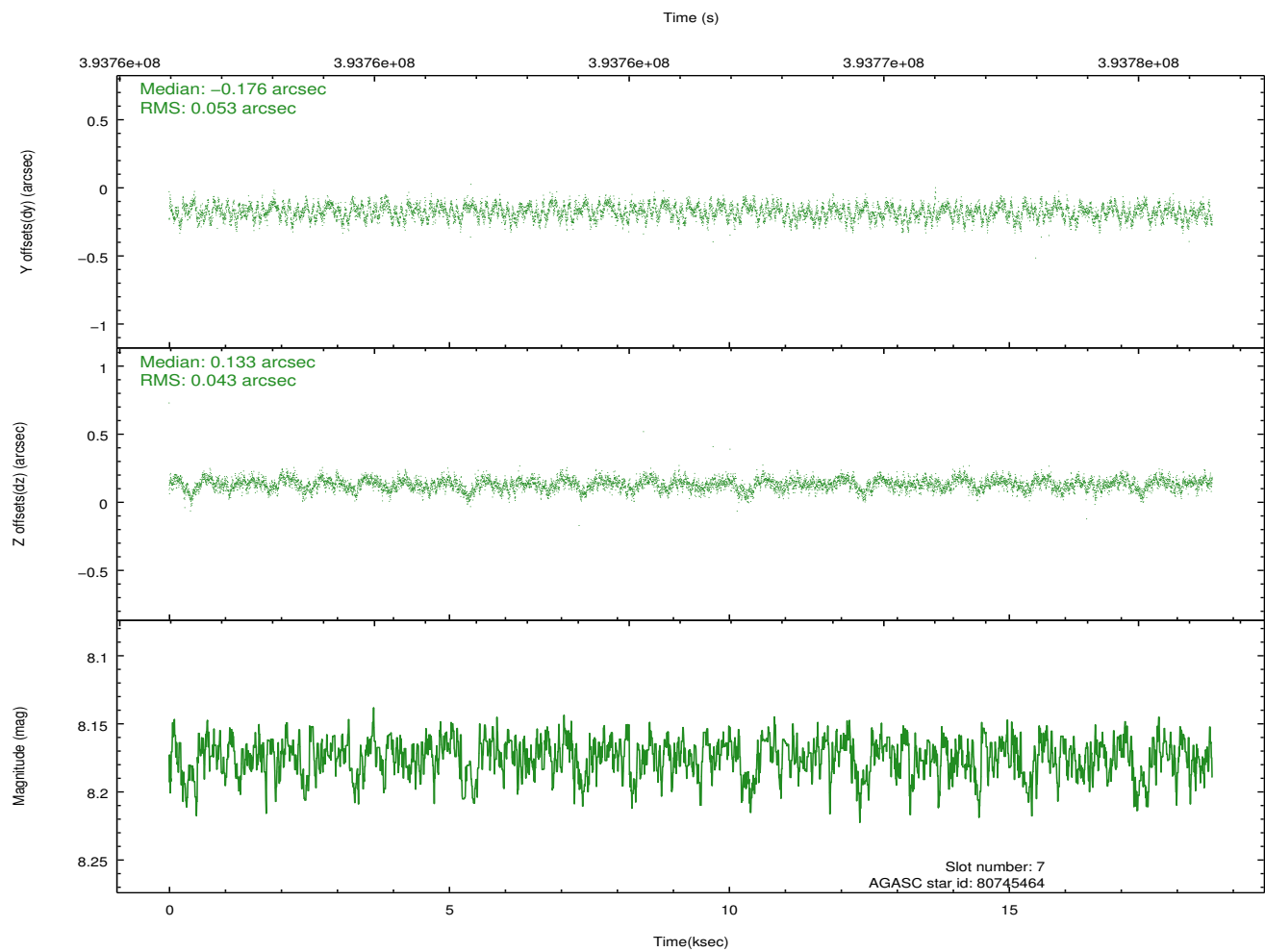
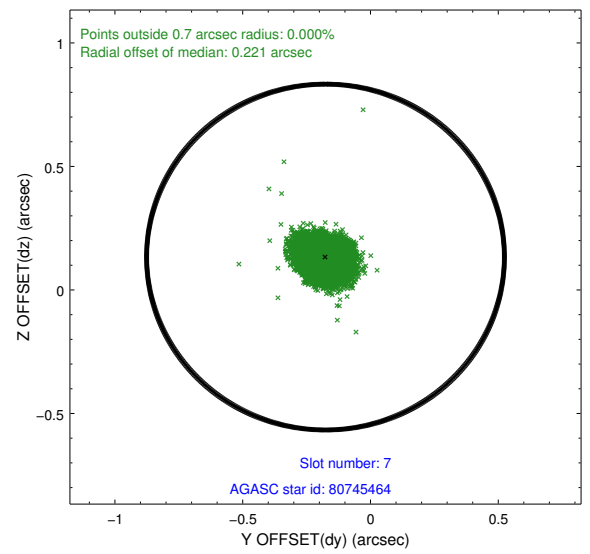
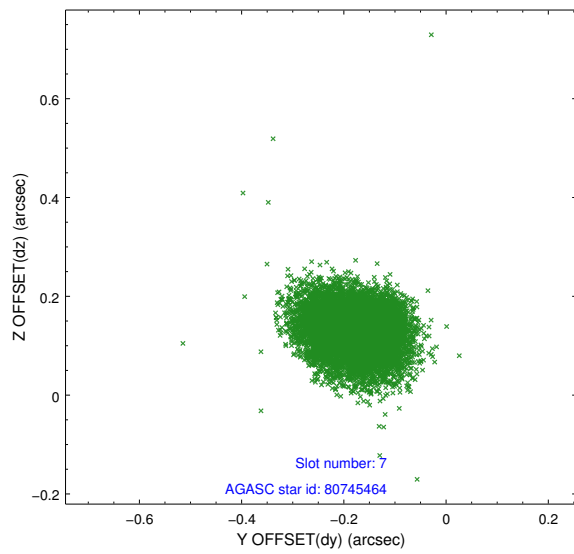
2.4.3 Slot 5



2.4.4 Slot 6

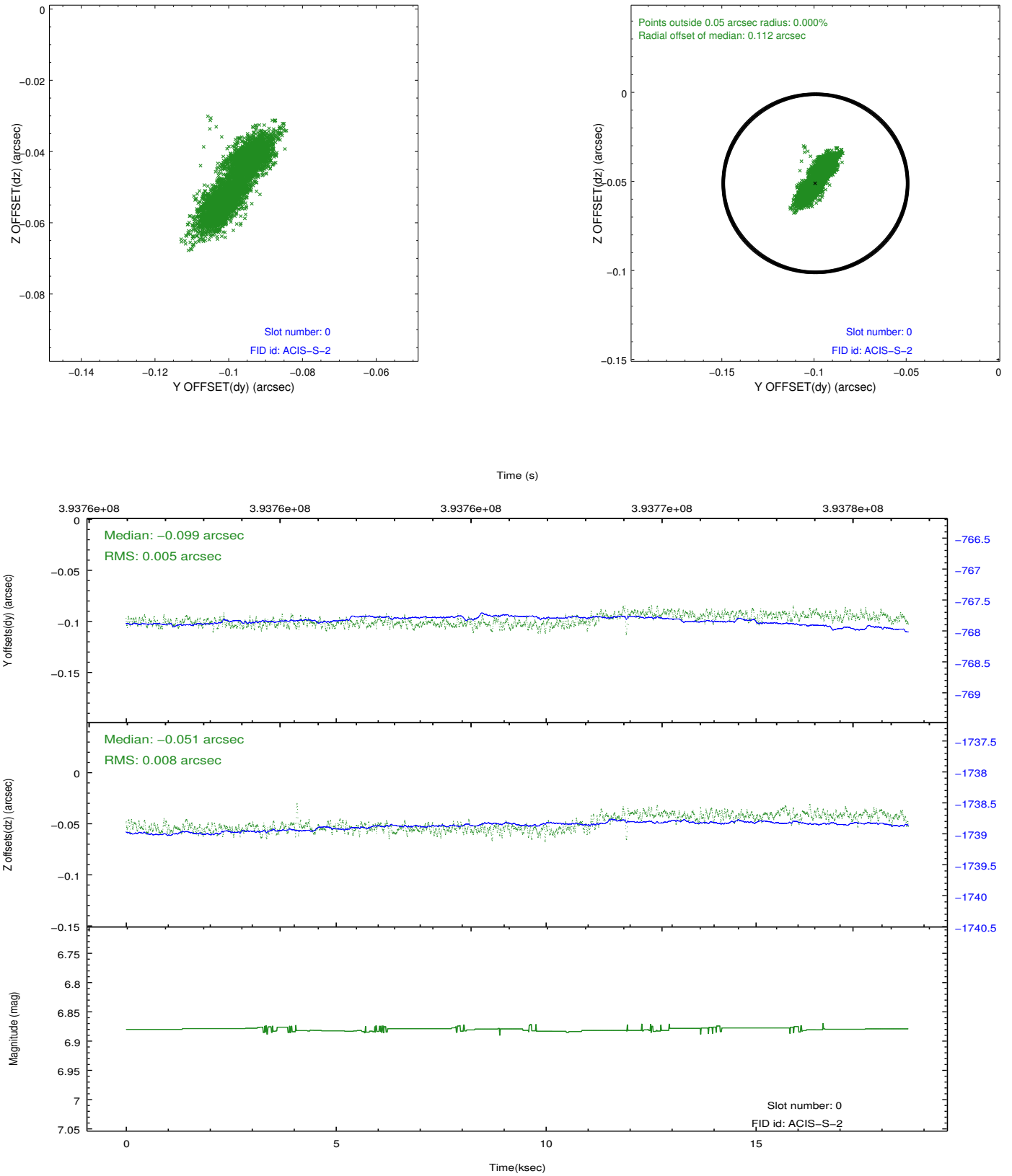


2.4.5 Slot 7

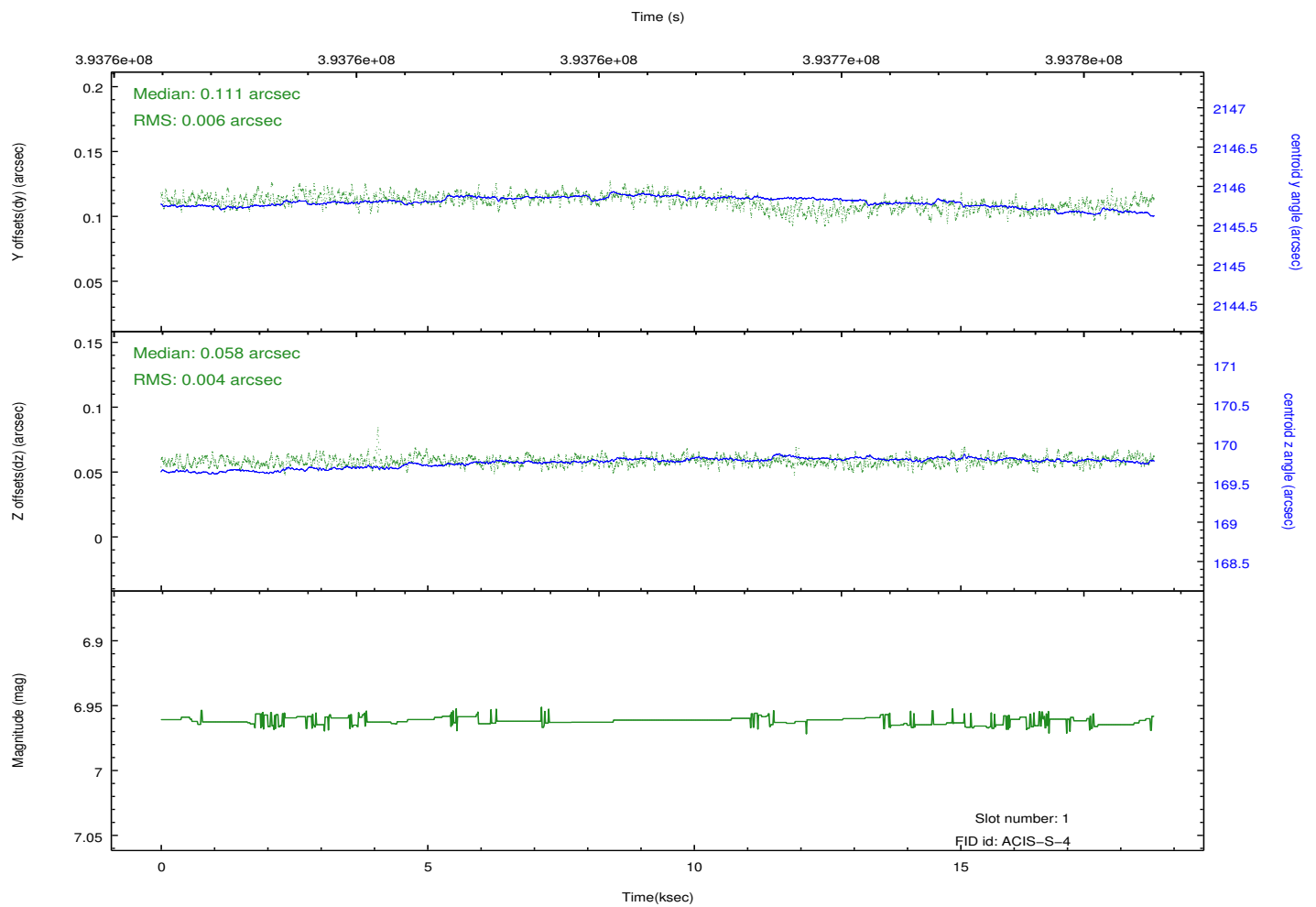
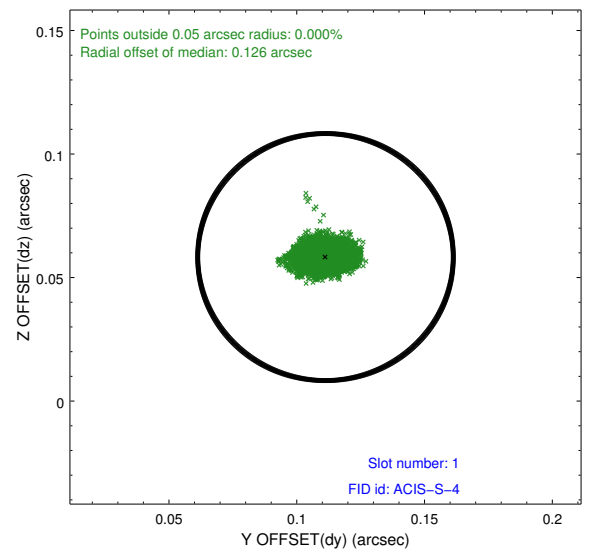
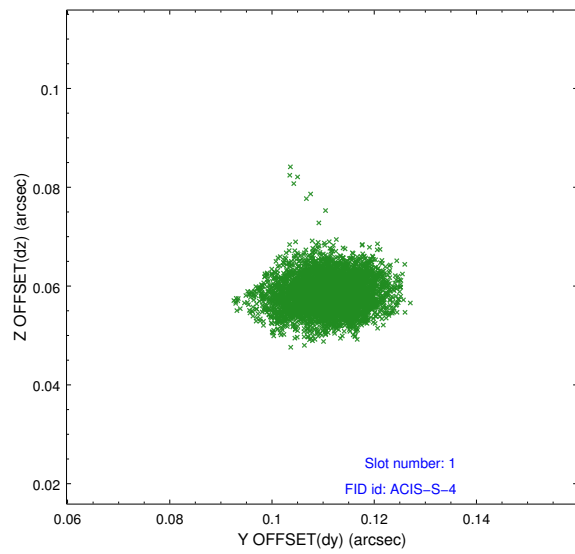


2.5 FID Slots

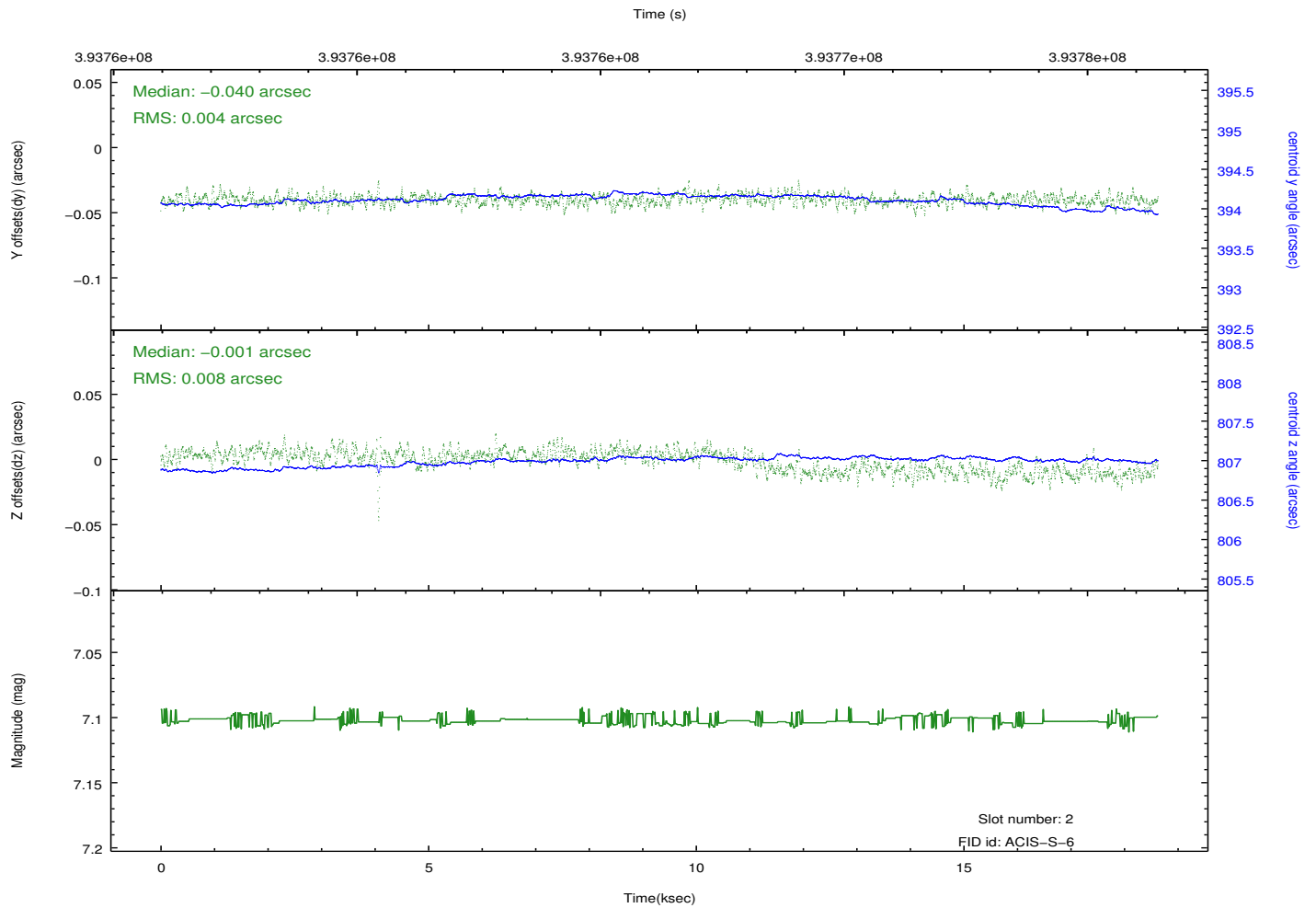
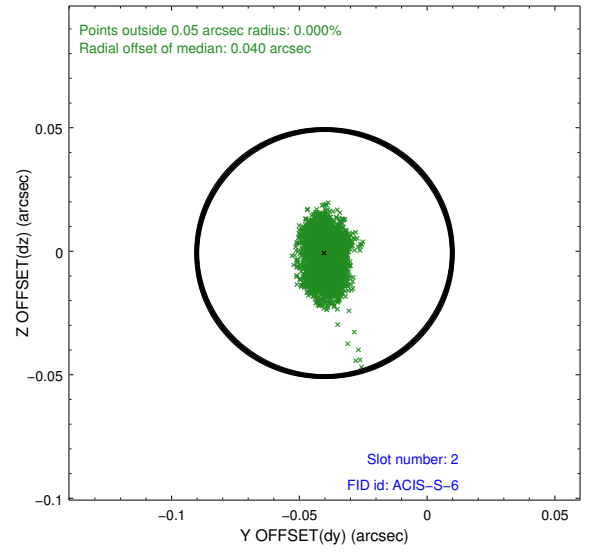
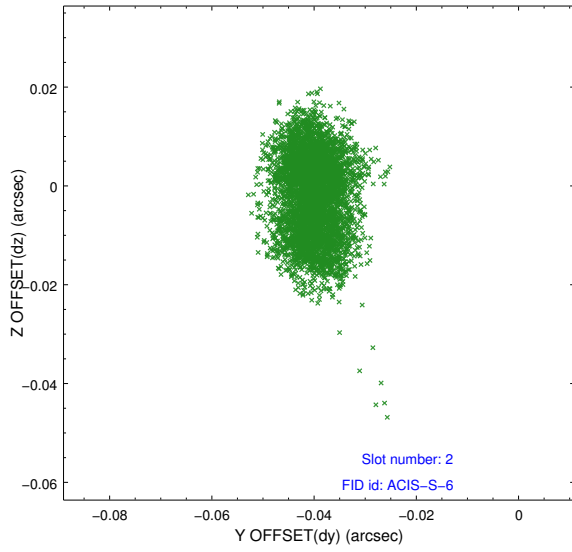
2.5.1 Slot 0



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)	2012.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.538000142574

A.2 Comments