

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 5782 - L2 Version 2
Chandra X-Ray Center

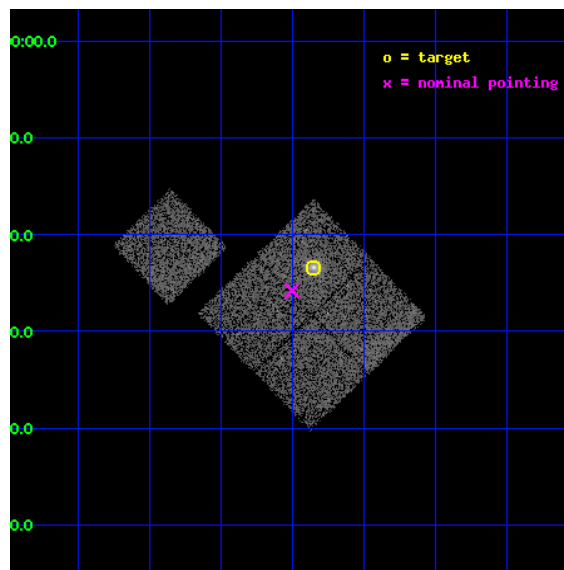
L2 Processing Date : Mar 18 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

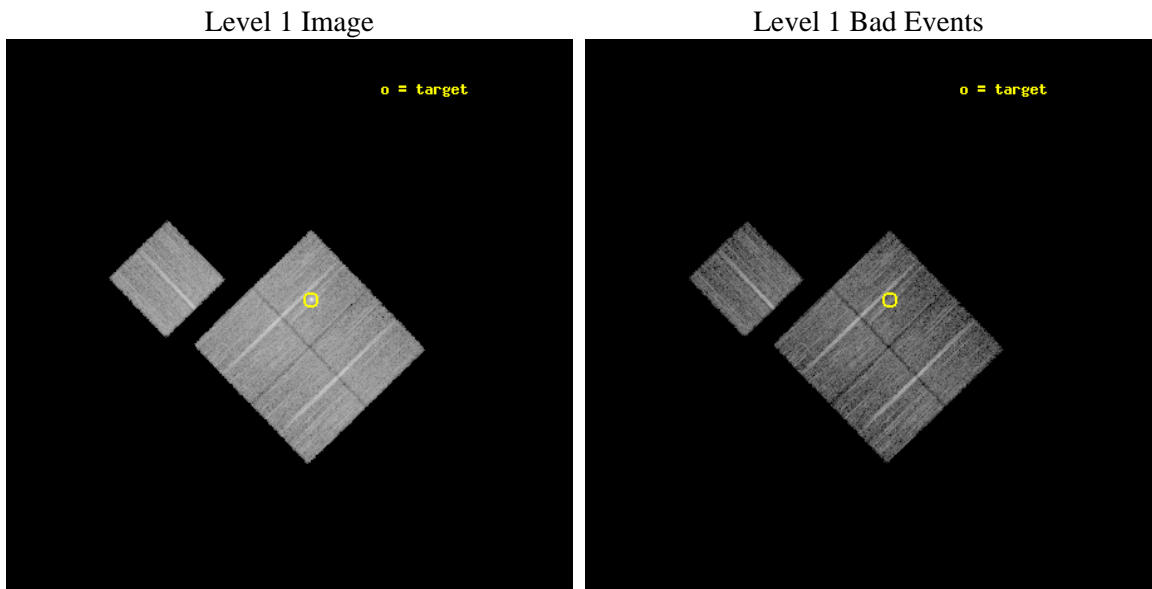
seq_num	800495	Sequence number
obs_id	5782	Observation id
title	Chandra observations of high-redshift clusters of galaxies from the 400 Square Degrees ROSAT PSPC survey	Proposal title
observer	Dr Stephen Murray	Principal investigator
object	cl0302-0423	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	45.58875	Observer's specified target RA [deg]
dec_targ	-4.391389	Observer's specified target Dec [deg]
ra_nom	45.626533295265	Nominal RA [deg]
dec_nom	-4.4305524732968	Nominal Dec [deg]
roll_nom	315.9315573149	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10174.15898025	Sum of GTIs [s]
livetime	10041.226103067	Livetime [s]
ontime0	10174.15898025	Sum of GTIs [s]
ontime1	10177.299980402	Sum of GTIs [s]
ontime2	10177.299980402	Sum of GTIs [s]
ontime3	10174.15898025	Sum of GTIs [s]
ontime6	10177.299980402	Sum of GTIs [s]
l2events	31587	Number of level 2 events



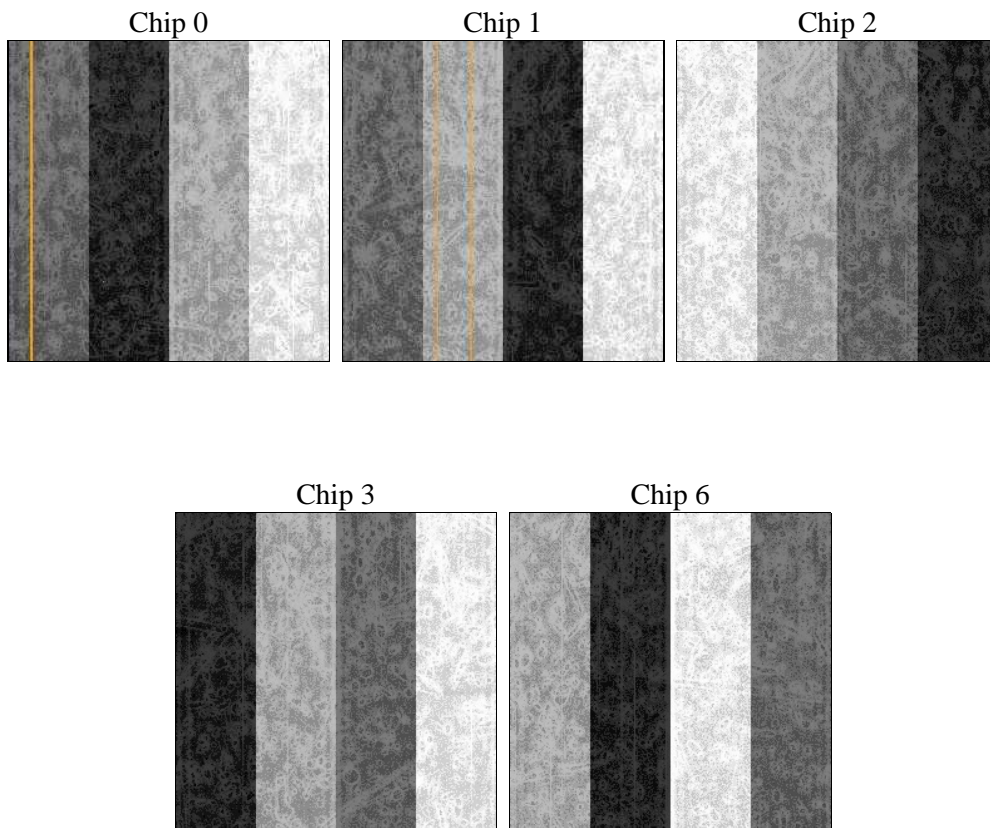
2 OBI

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	8.4.3	Processing system revision	ontime	10174.15898025	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	10174.15898025	Sum of GTIs [s]
date	2012-03-18T08:54:30	Date and time of file creation	ontime1	10177.299980402	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10177.299980402	Sum of GTIs [s]
			ontime3	10174.15898025	Sum of GTIs [s]
			ontime6	10177.299980402	Sum of GTIs [s]
			l1events	378983	Number of level 1 events

2.1.4 Events

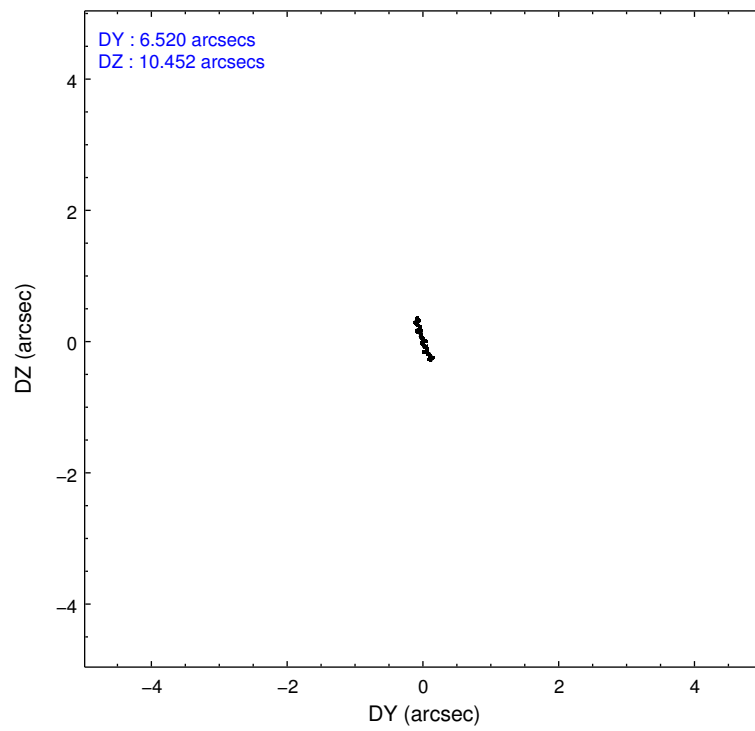
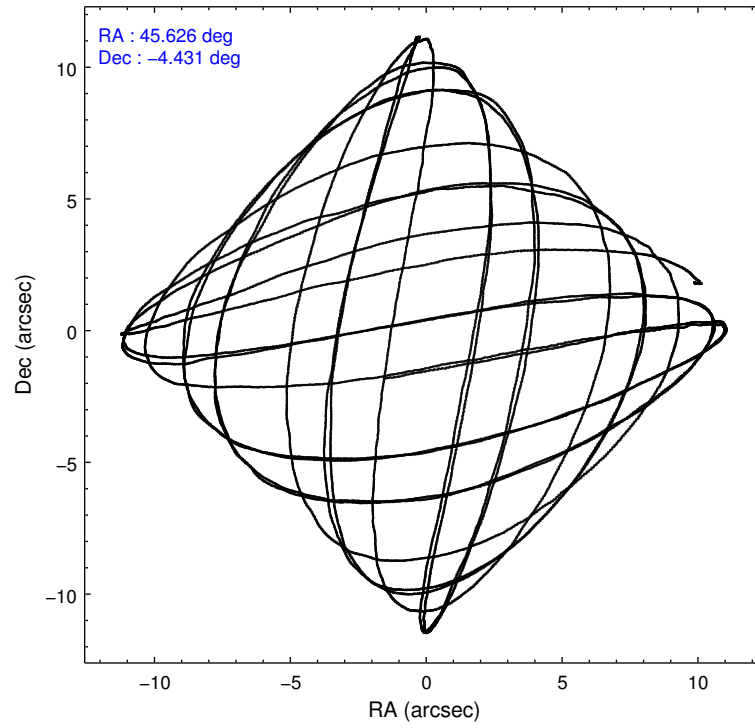
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	75429	70179	80047	77146	76182
rejected events	68683	62337	73265	67543	69298
rejected %	91%	88%	91%	87%	90%

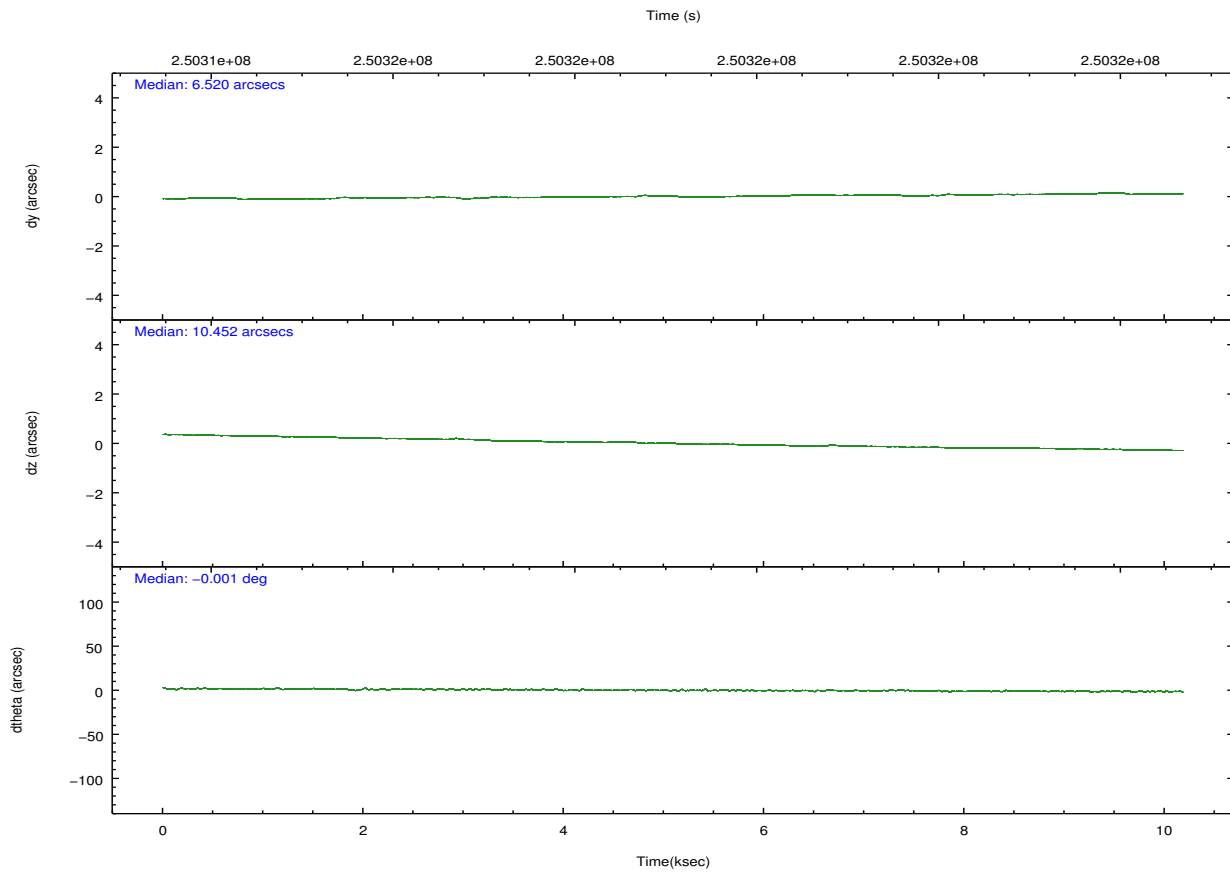
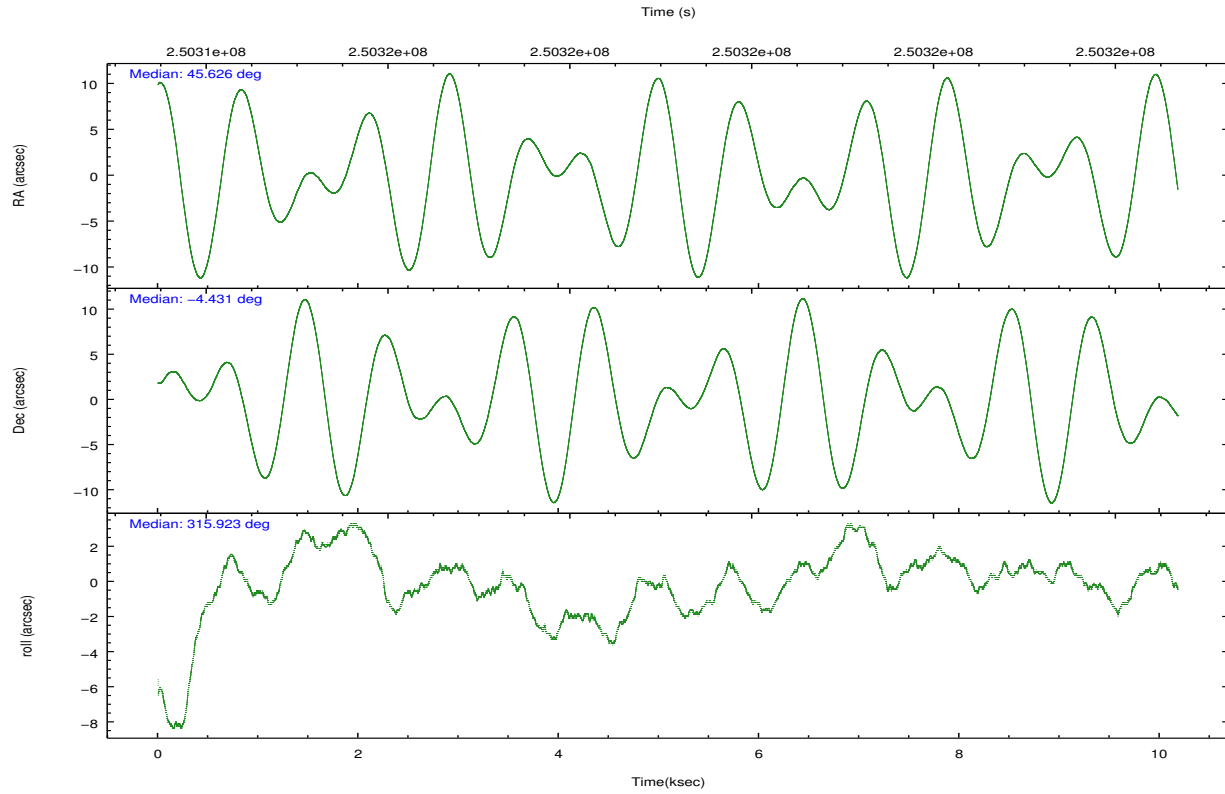
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2514	3138	2593	5089	2587
	3%	4%	3%	6%	3%
grade 1 events	30	31	37	64	36
	0%	0%	0%	0%	0%
grade 2 events	1803	1932	1791	1848	1666
	2%	2%	2%	2%	2%
grade 3 events	846	970	813	903	895
	1%	1%	1%	1%	1%
grade 4 events	826	862	838	893	847
	1%	1%	1%	1%	1%
grade 5 events	2559	2837	2558	3141	3007
	3%	4%	3%	4%	3%
grade 6 events	1423	1666	1416	1556	1631
	1%	2%	1%	2%	2%
grade 7 events	65428	58743	70001	63652	65513
	86%	83%	87%	82%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	45.599803	45.62653329526454	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.424023	-4.430552473296784	Alternating exposures requested	N	N
[deg] Pointing Roll	315.720801	315.9315573148976	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.840463	-225.8458576473255			
[mm] SIM translation stage offset	-7.752	-7.746595355604228			
[s] Observation start time (MET)	250314173.184000	250312676.89154			
Observation start date	2005-12-07T03:41:49	2005-12-07T03:17:56			
[s] Observation end time (MET)	250324173.184000	250325608.29213			
Observation end date	2005-12-07T06:28:29	2005-12-07T06:53:28			
Read mode	TIMED	TIMED			

2.3 Aspect



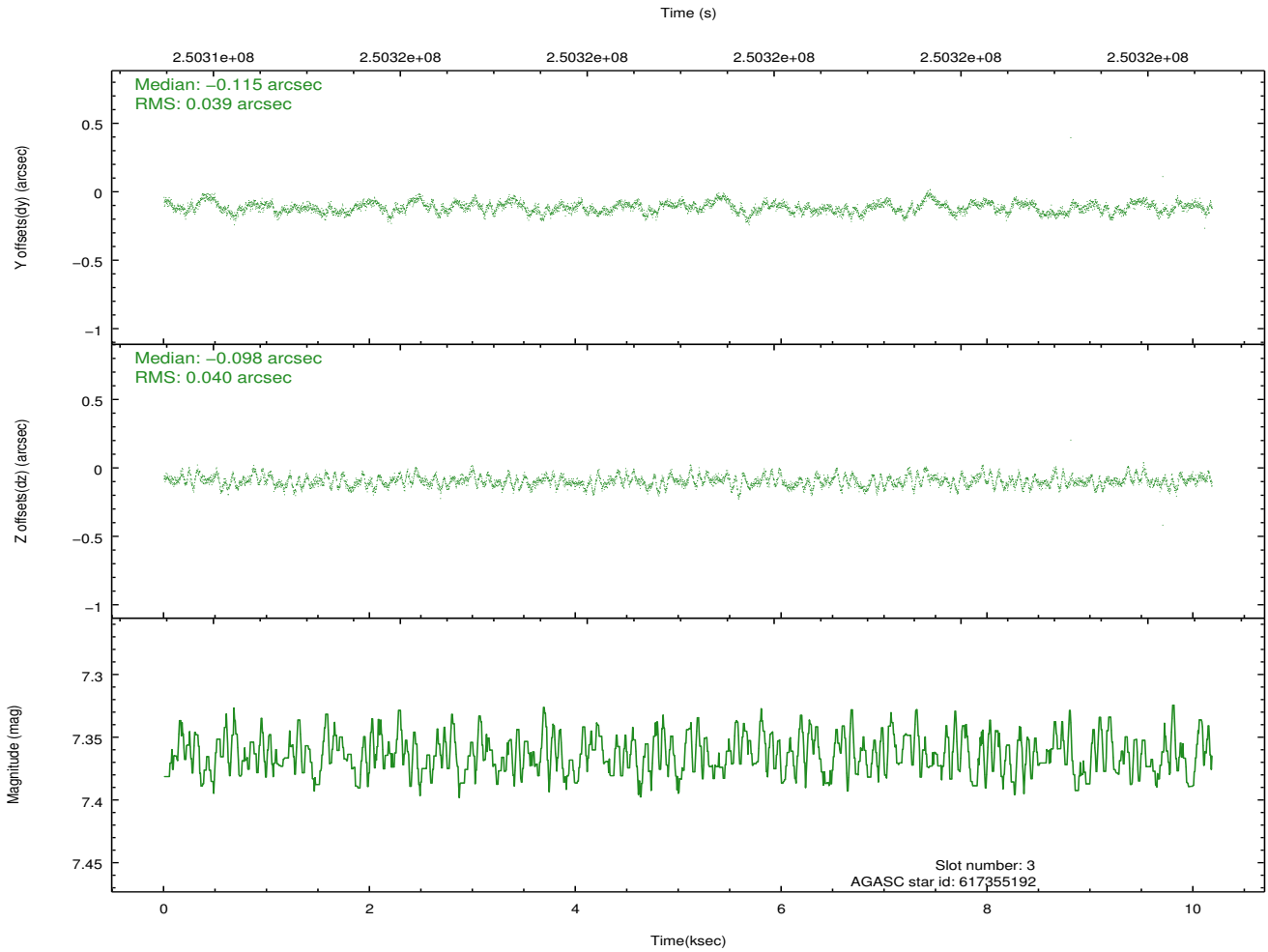
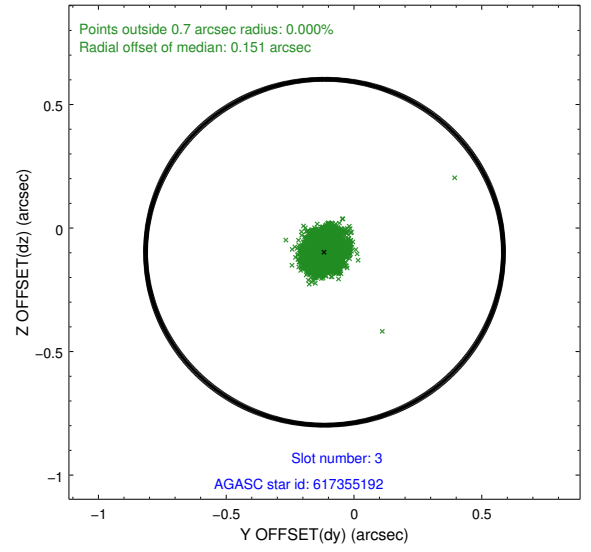
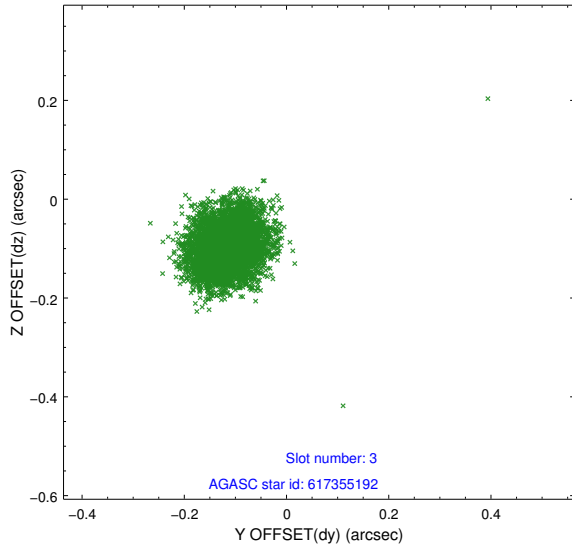


Slot Statistics

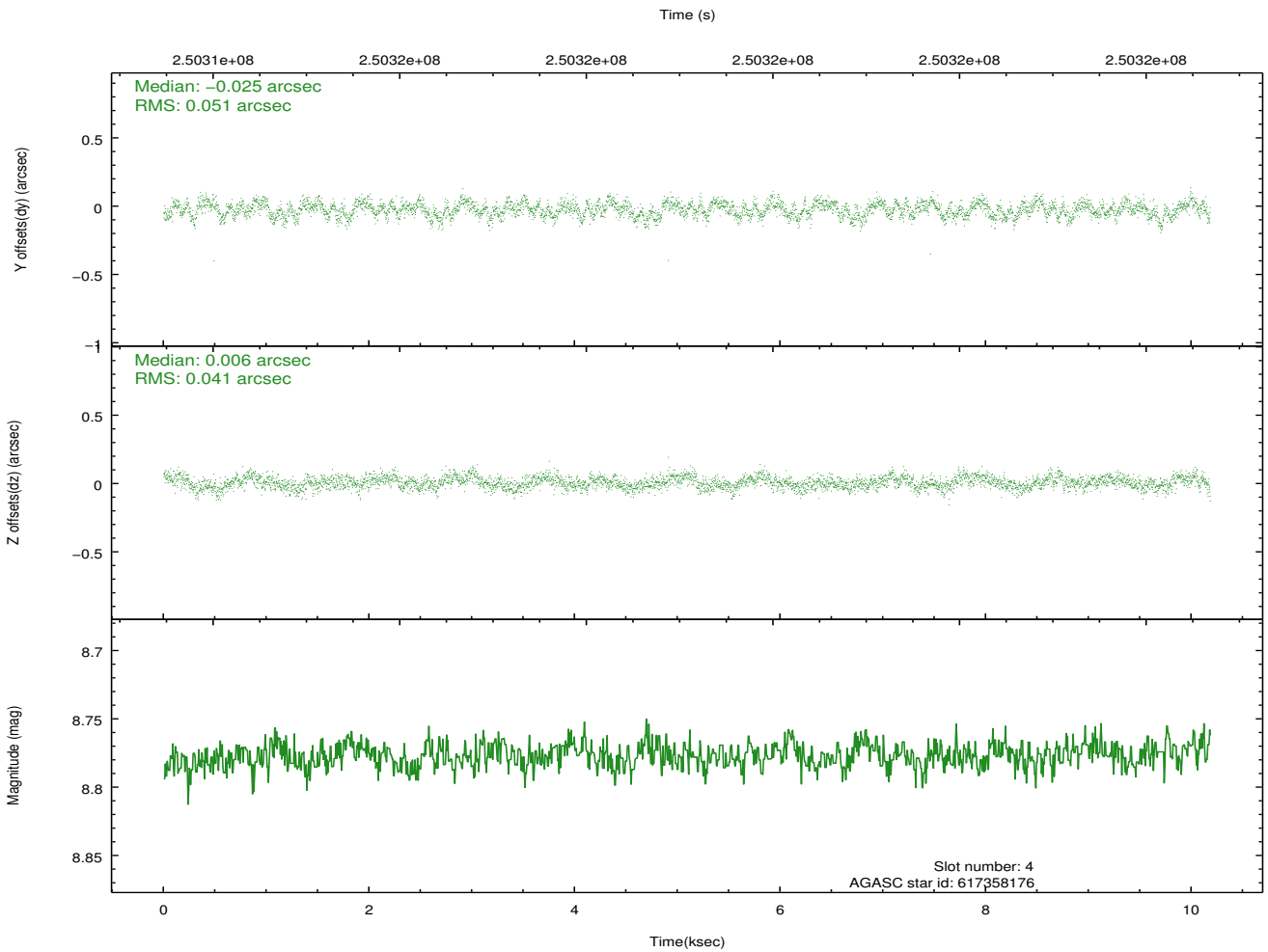
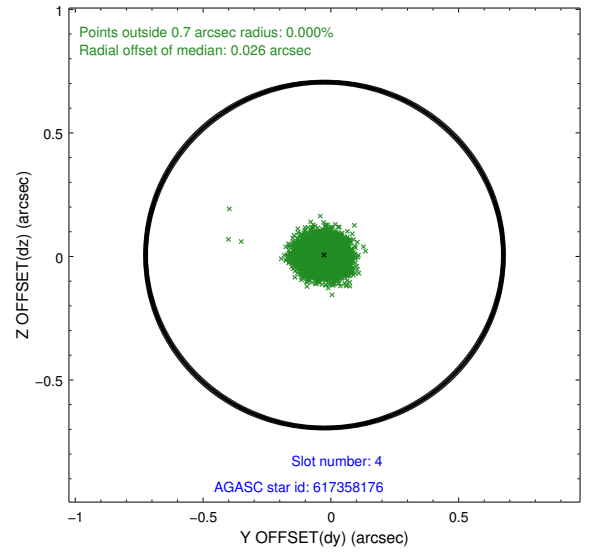
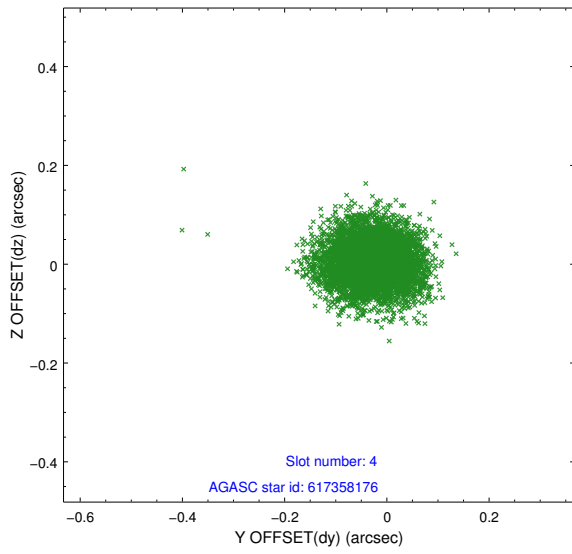
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2484	0.109	-0.112	0.010	0.017	0.000000	0.000000	933.12	-993.10
1	FID	ACIS-I-5	7.22	2484	-0.229	0.094	0.009	0.014	0.000000	0.000000	-1815.02	904.30
2	FID	ACIS-I-6	7.25	2483	0.029	0.088	0.008	0.012	0.000000	0.000000	398.05	1549.37
3	GUIDE	617355192	7.36	4968	-0.115	-0.098	0.059	0.094	46.048522	-4.327014	909.59	1373.98
4	GUIDE	617358176	8.78	4964	-0.025	0.006	0.069	0.111	45.526597	-3.873336	-1572.18	1235.63
5	GUIDE	617359128	10.14	4965	0.122	0.011	0.165	0.298	45.545380	-3.959256	-1308.29	1061.43
6	GUIDE	617746520	9.35	4967	0.111	0.014	0.127	0.210	45.772409	-5.047343	2010.32	-1174.54
7	GUIDE	617750872	9.15	4965	-0.082	0.068	0.085	0.137	45.358323	-5.041379	932.57	-2195.99

2.4 Star Slots

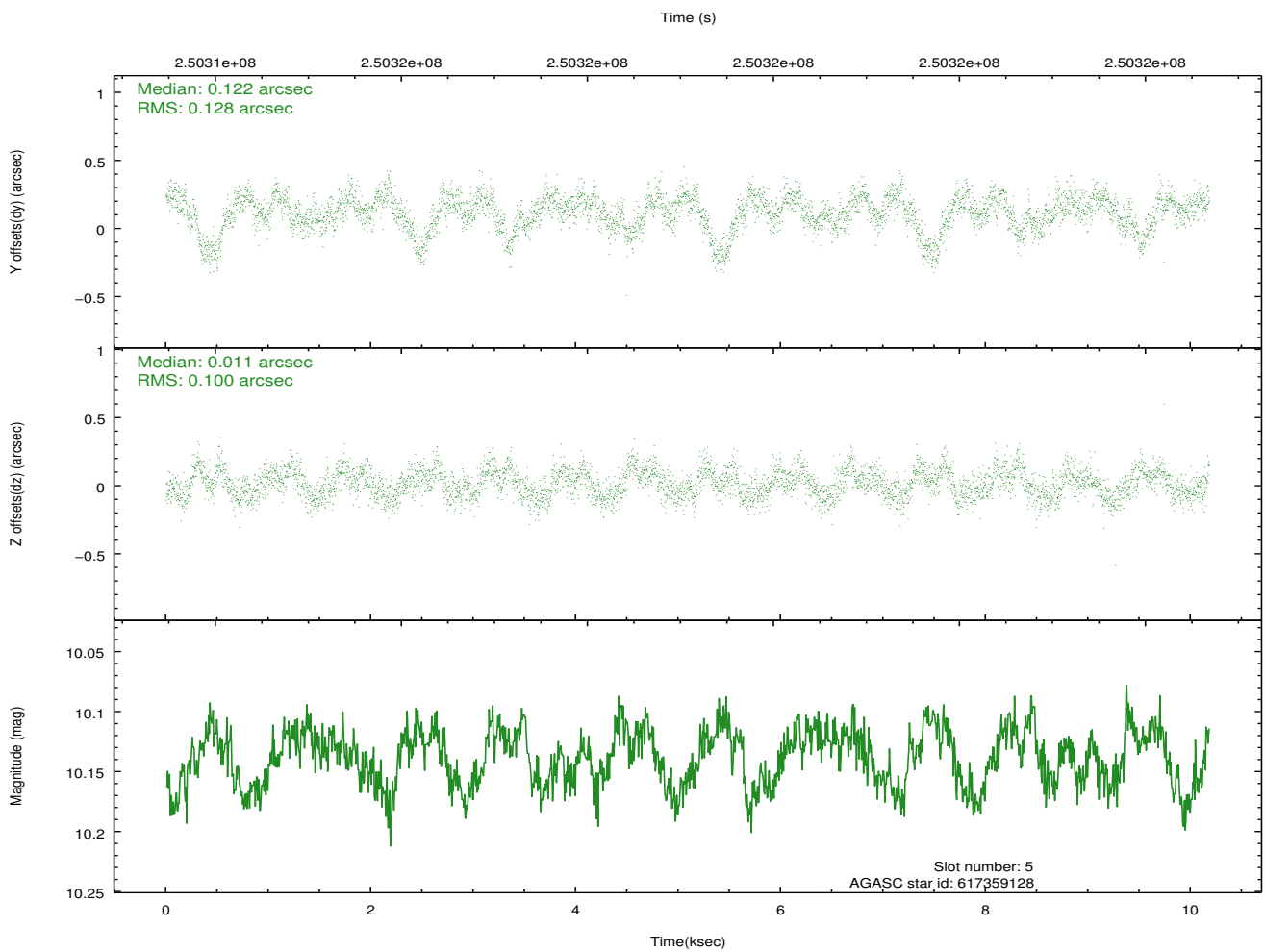
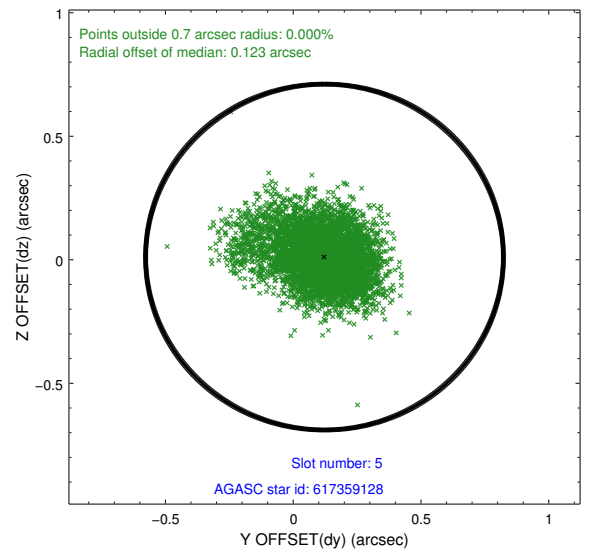
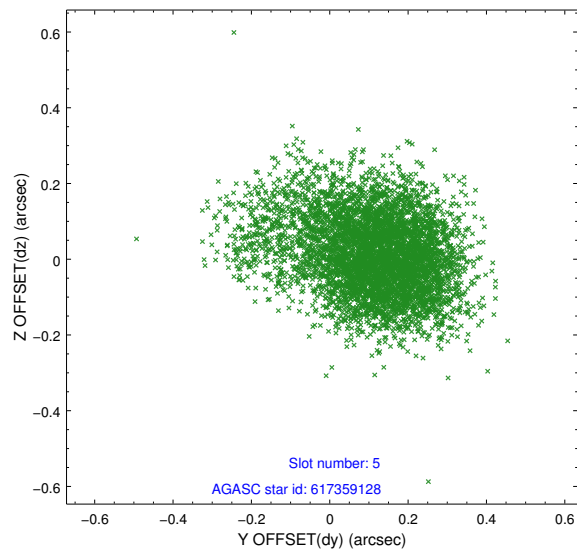
2.4.1 Slot 3



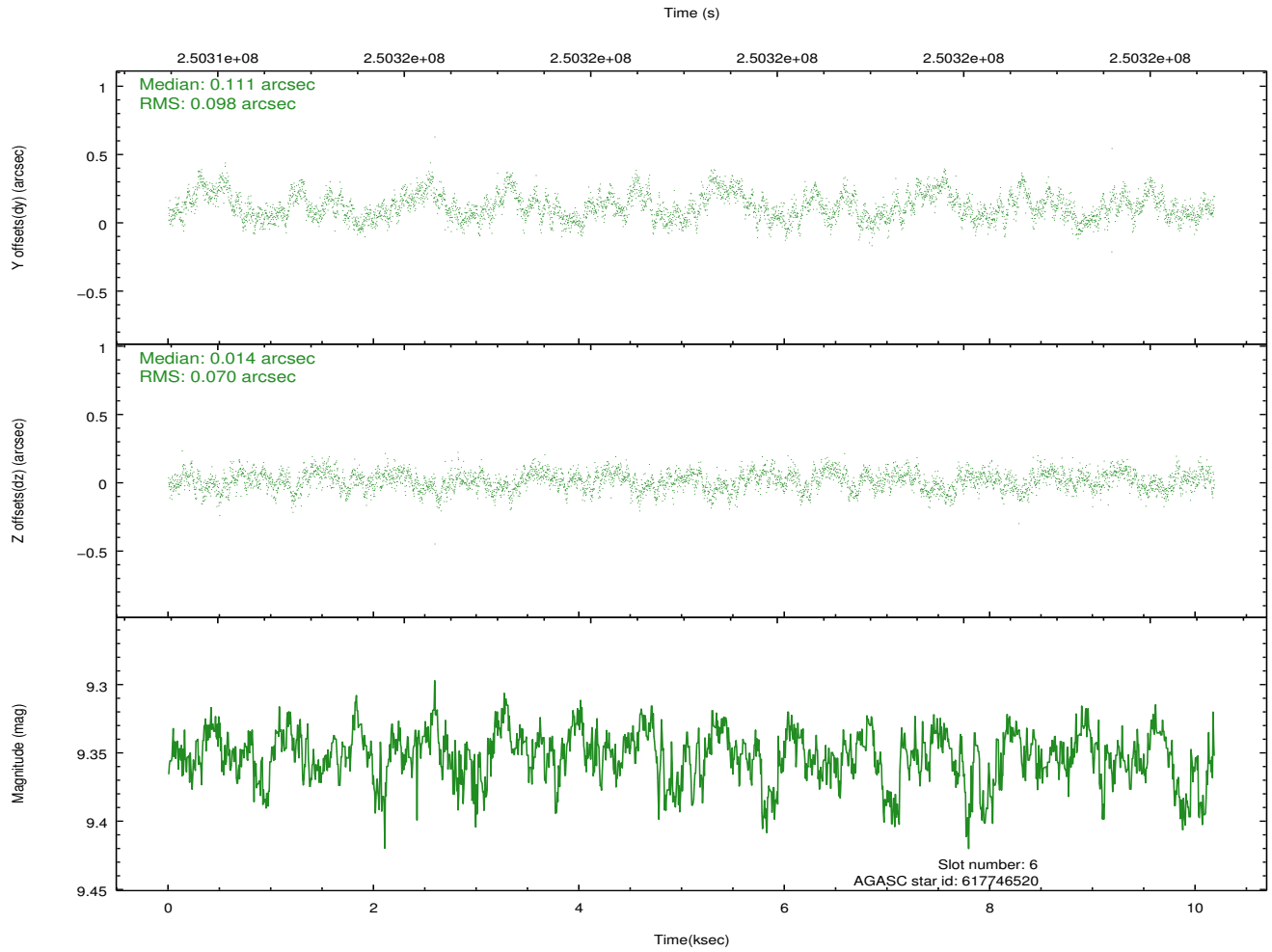
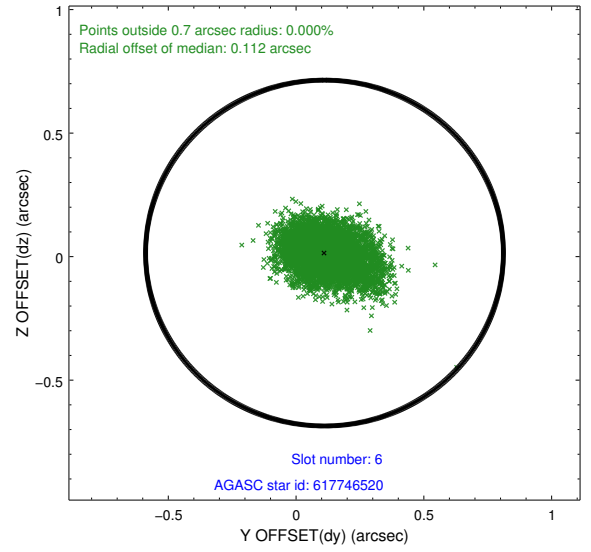
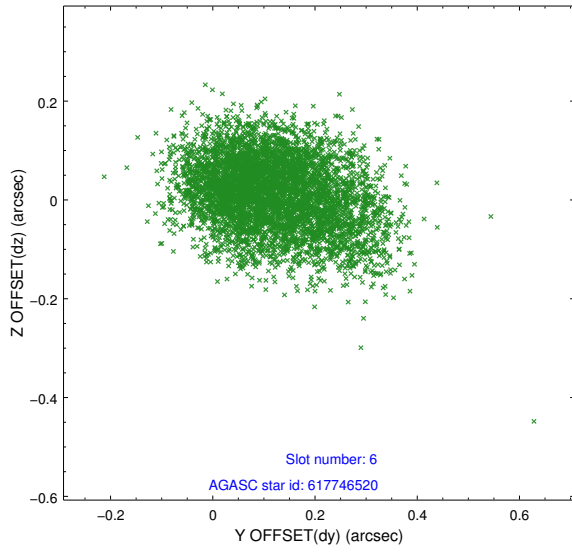
2.4.2 Slot 4



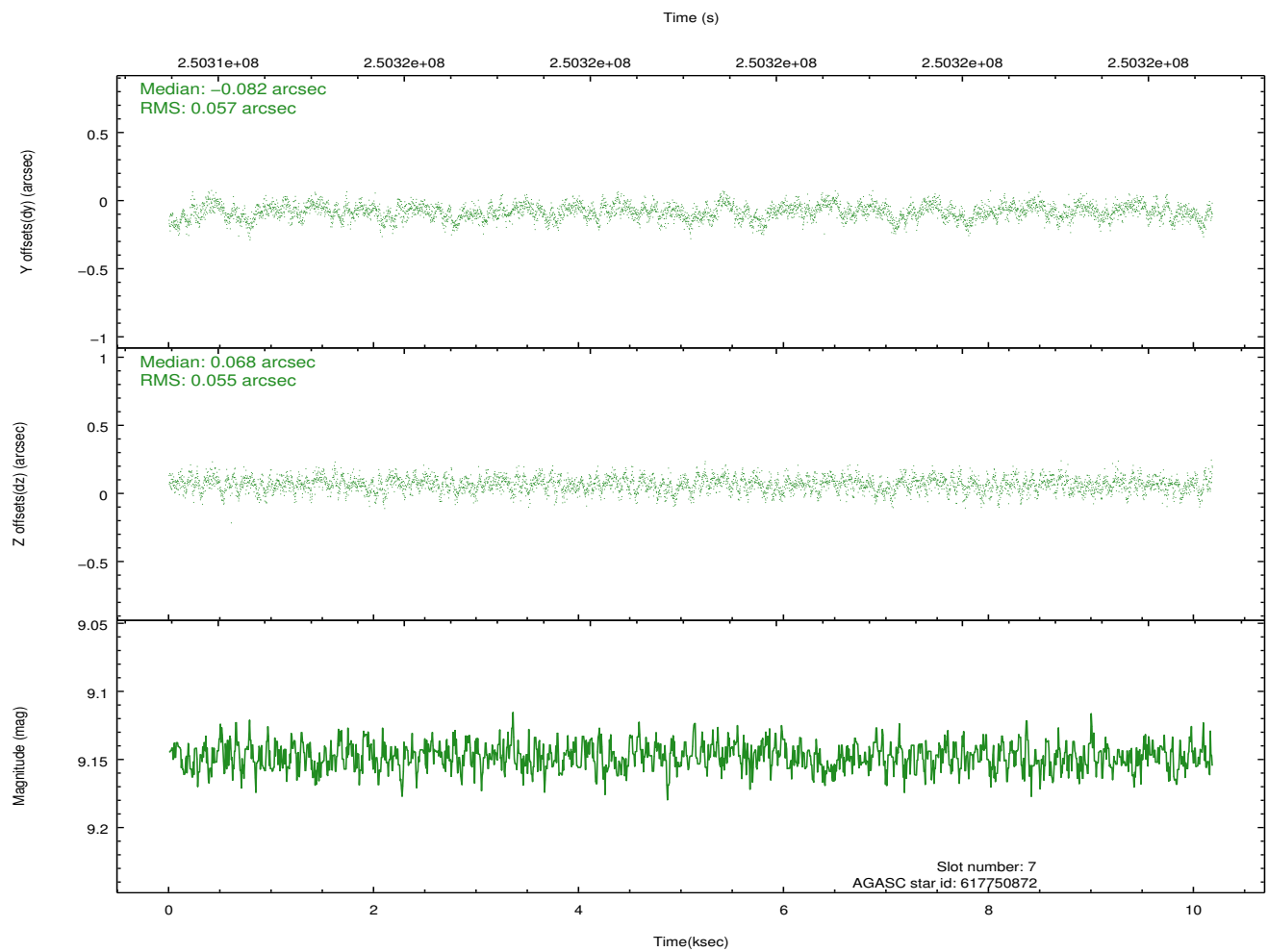
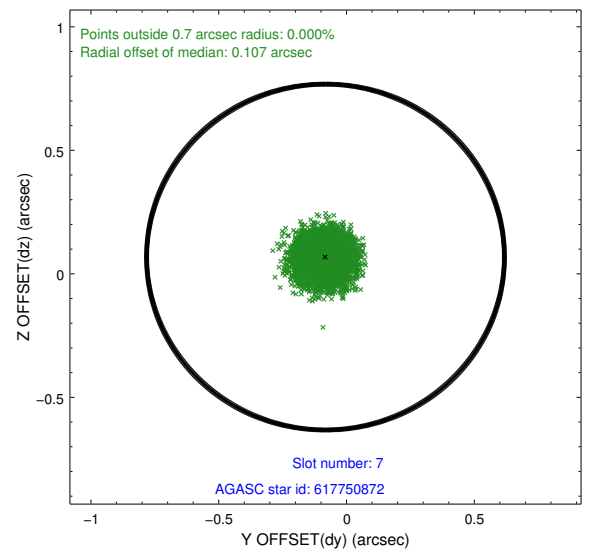
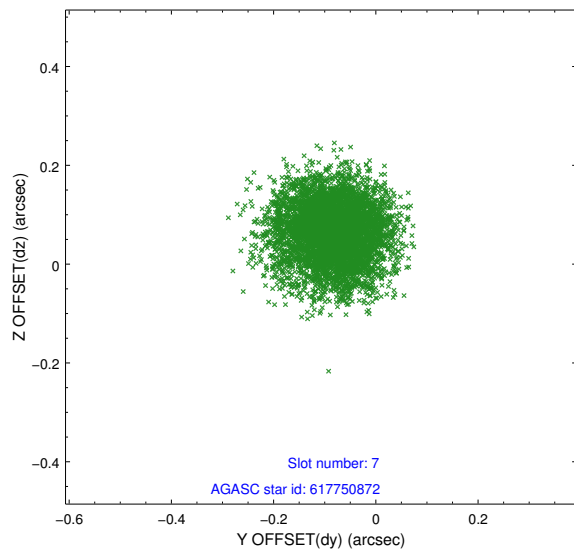
2.4.3 Slot 5



2.4.4 Slot 6

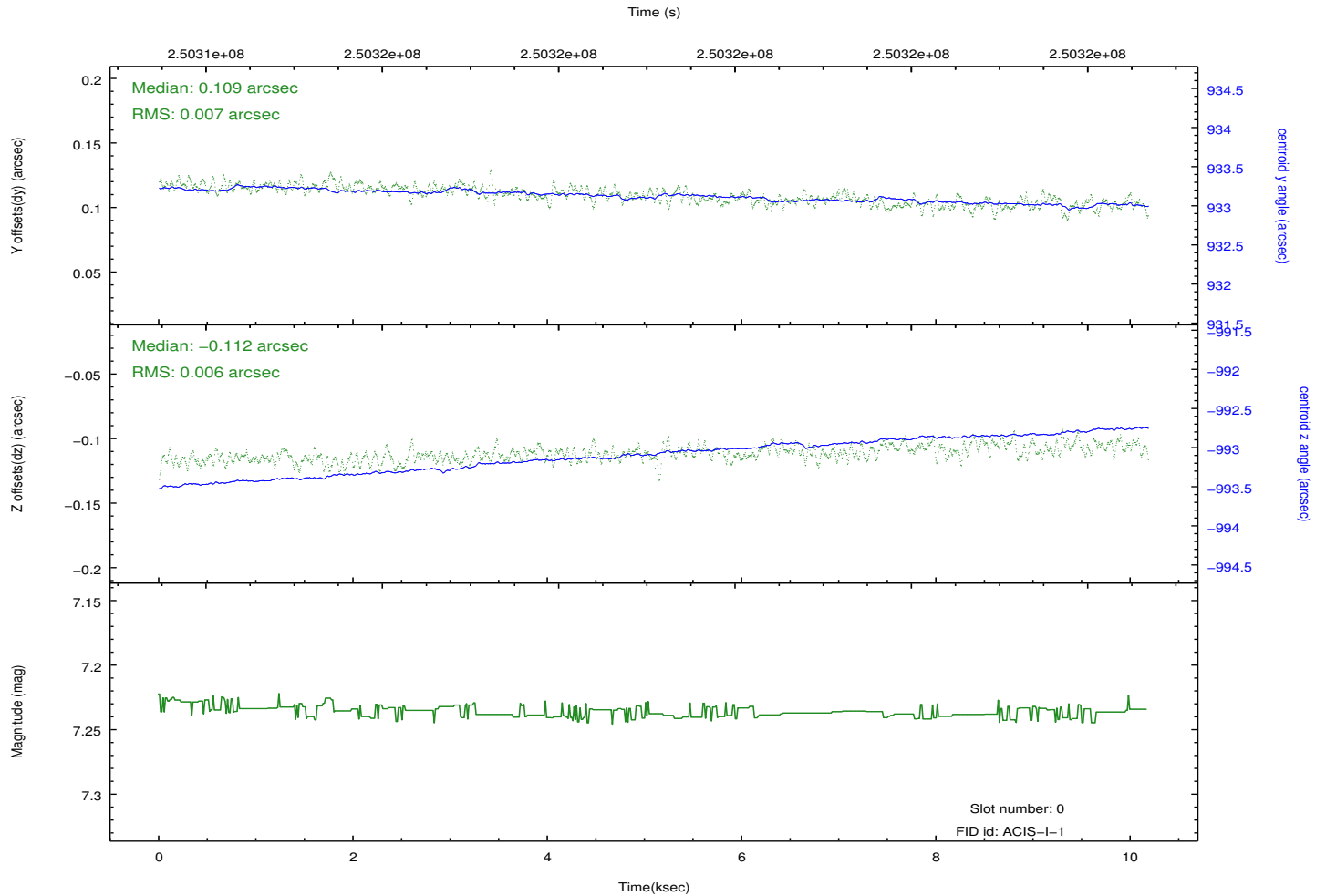
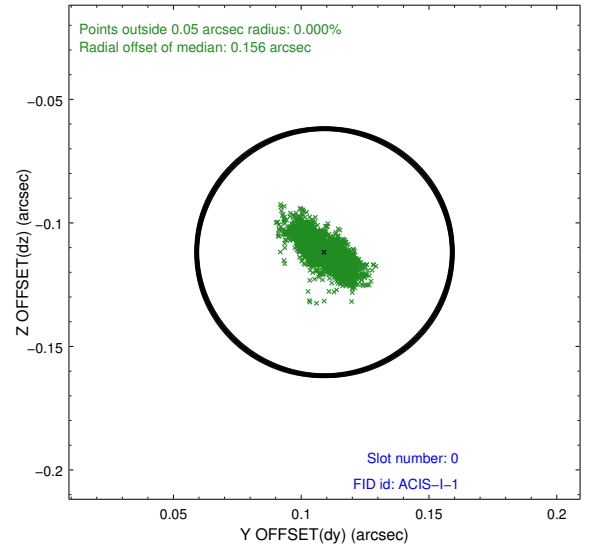
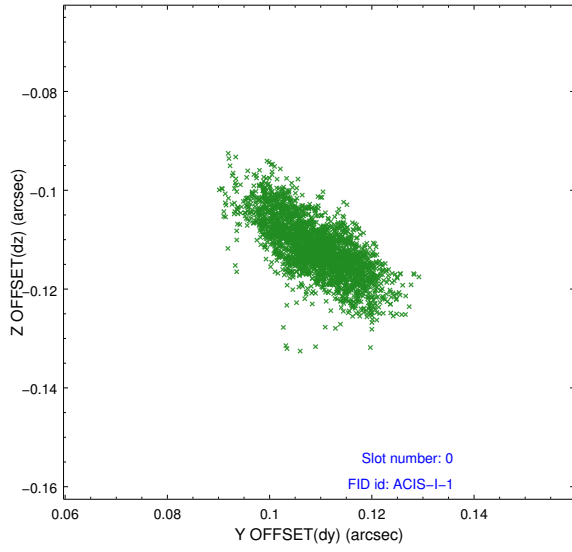


2.4.5 Slot 7

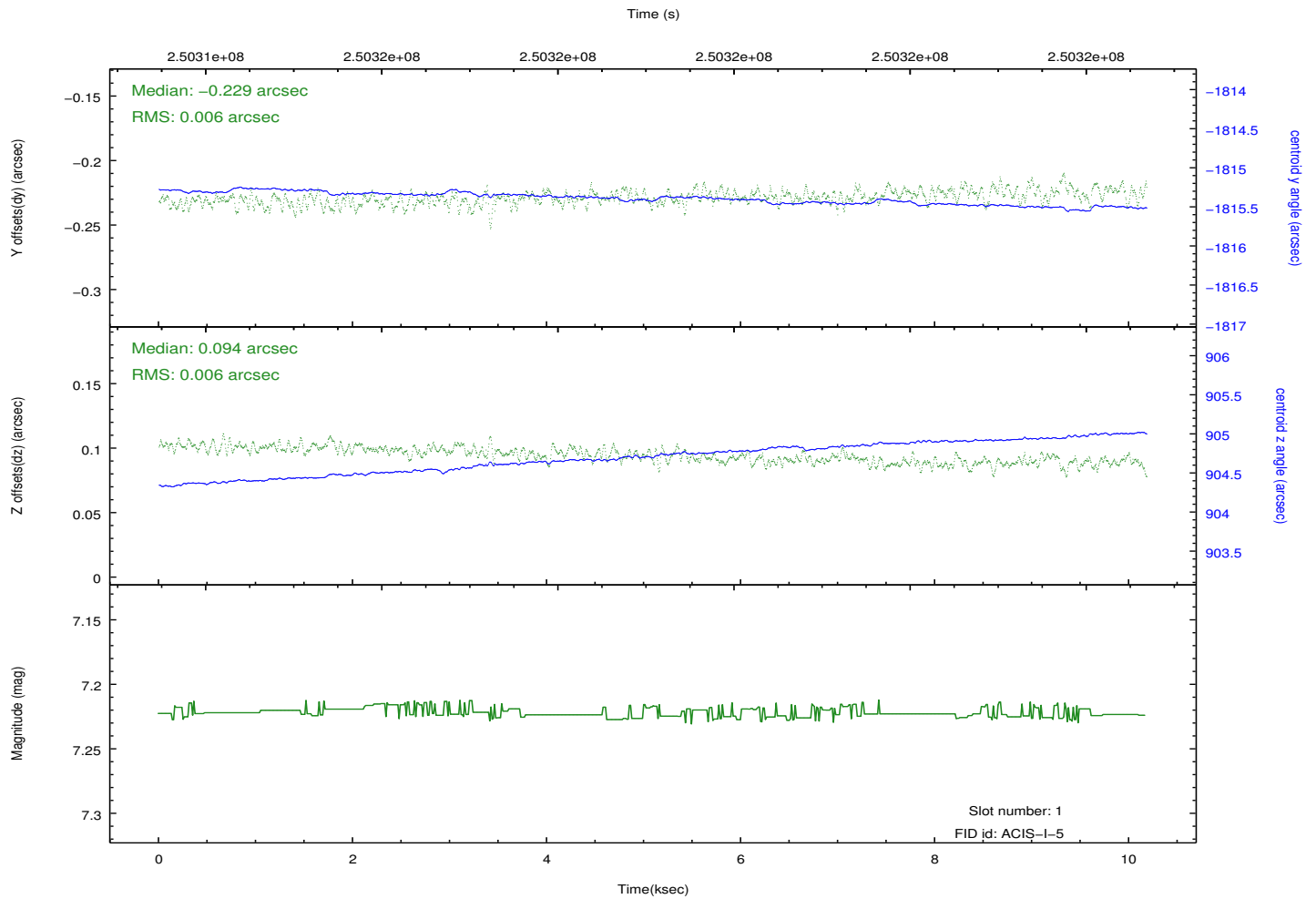
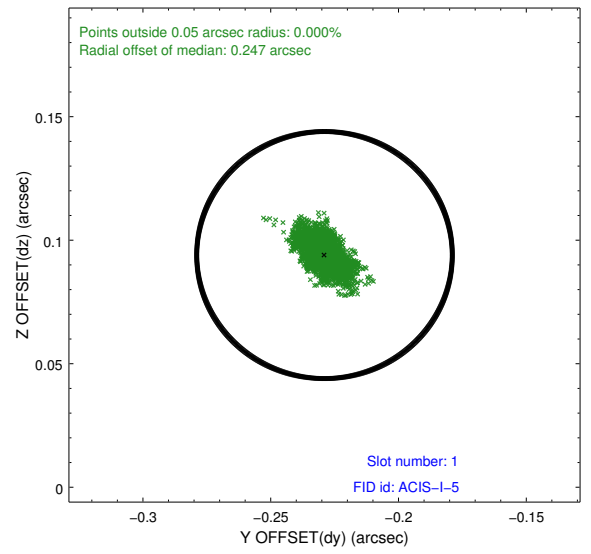
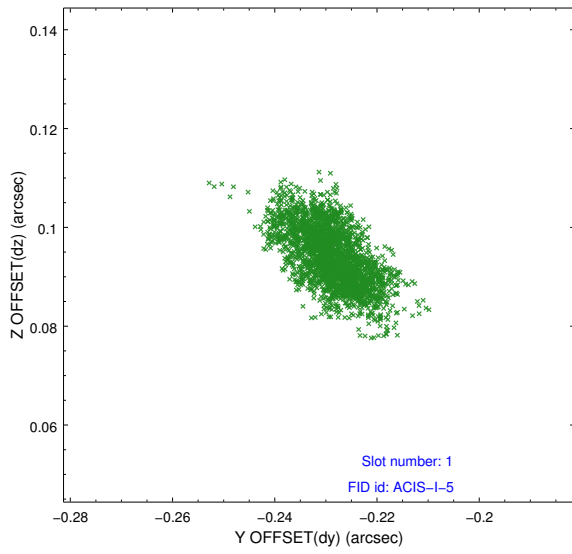


2.5 FID Slots

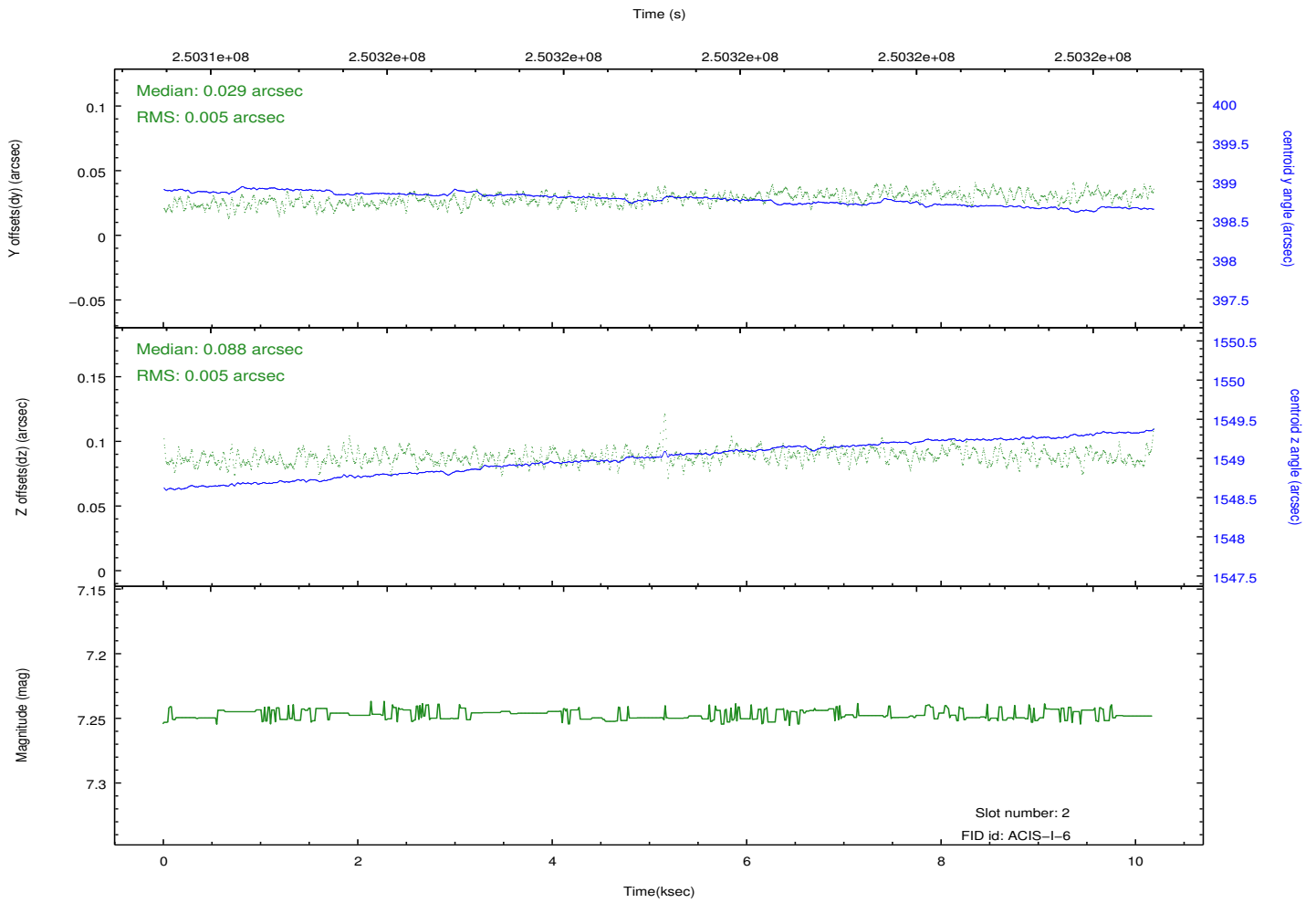
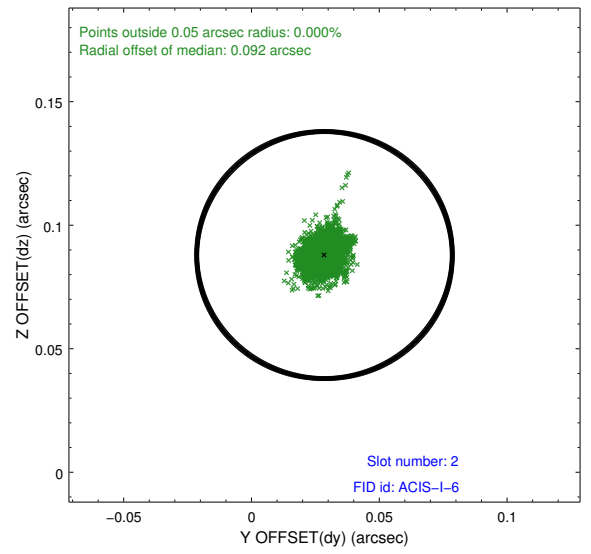
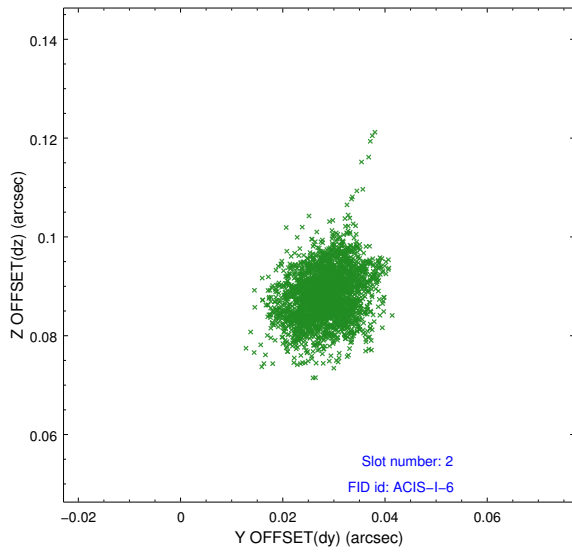
2.5.1 Slot 0



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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.17415

A.2 Comments