

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13111 - L2 Version 3
Chandra X-Ray Center

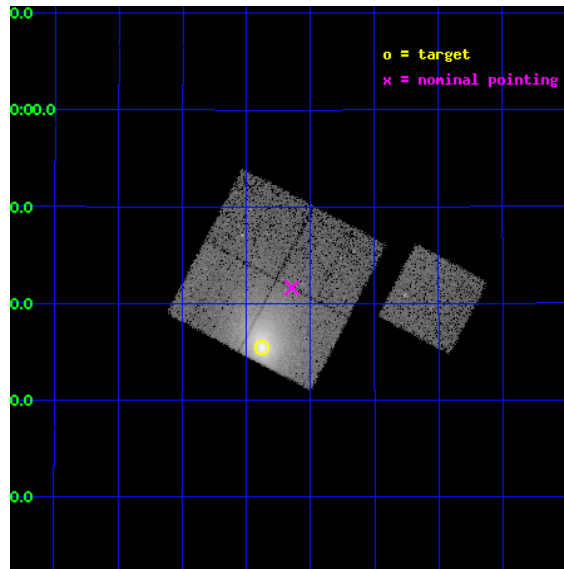
L2 Processing Date : Feb 21 2012

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1 Front

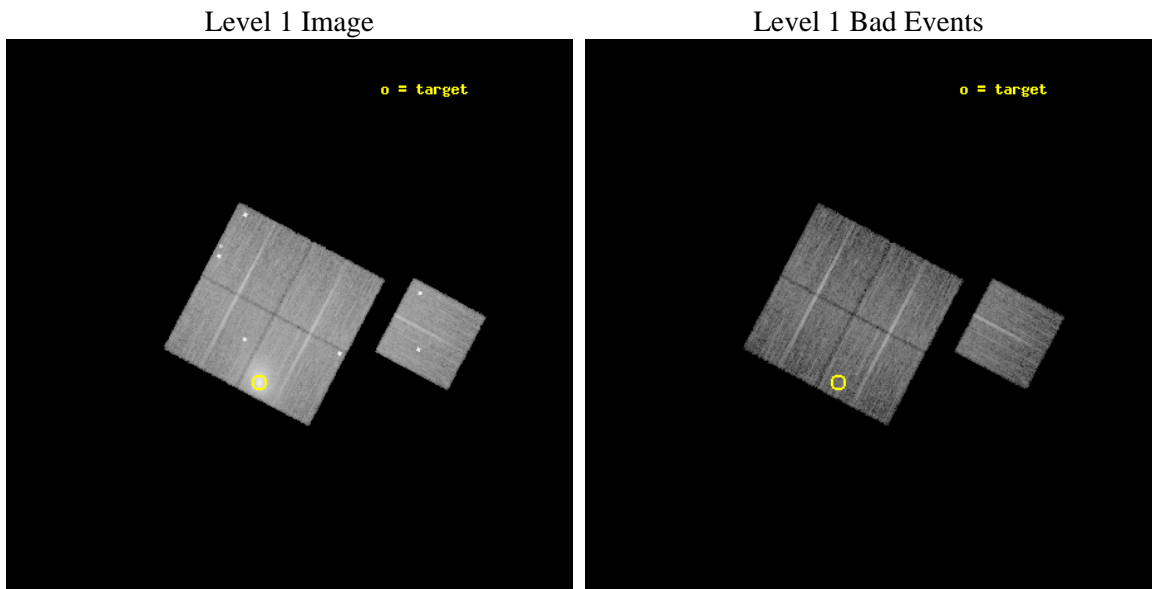
seq_num	890051	Sequence number
obs_id	13111	Observation id
title	AO-12 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.16143729945	Nominal RA [deg]
dec_nom	26.693833974884	Nominal Dec [deg]
roll_nom	117.83942801473	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14777.510830402	Sum of GTIs [s]
livetime	14584.431772358	Livetime [s]
ontime0	14777.387710392	Sum of GTIs [s]
ontime1	14777.428750396	Sum of GTIs [s]
ontime2	14777.469790518	Sum of GTIs [s]
ontime3	14777.510830402	Sum of GTIs [s]
ontime6	14777.346670508	Sum of GTIs [s]
l2events	141282	Number of level 2 events



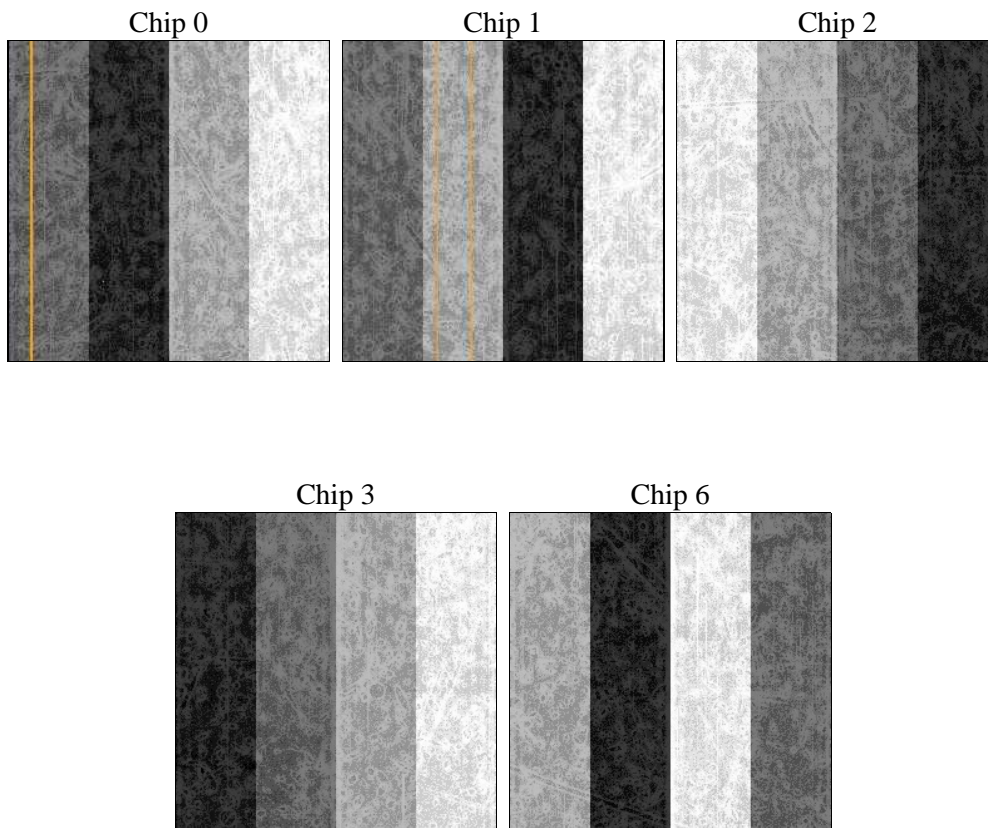
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.599000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	14777.510830402	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	14777.387710392	Sum of GTIs [s]
date	2012-02-21T21:33:07	Date and time of file creation	ontime1	14777.428750396	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	14777.469790518	Sum of GTIs [s]
			ontime3	14777.510830402	Sum of GTIs [s]
			ontime6	14777.346670508	Sum of GTIs [s]
			l1events	617814	Number of level 1 events

2.1.4 Events

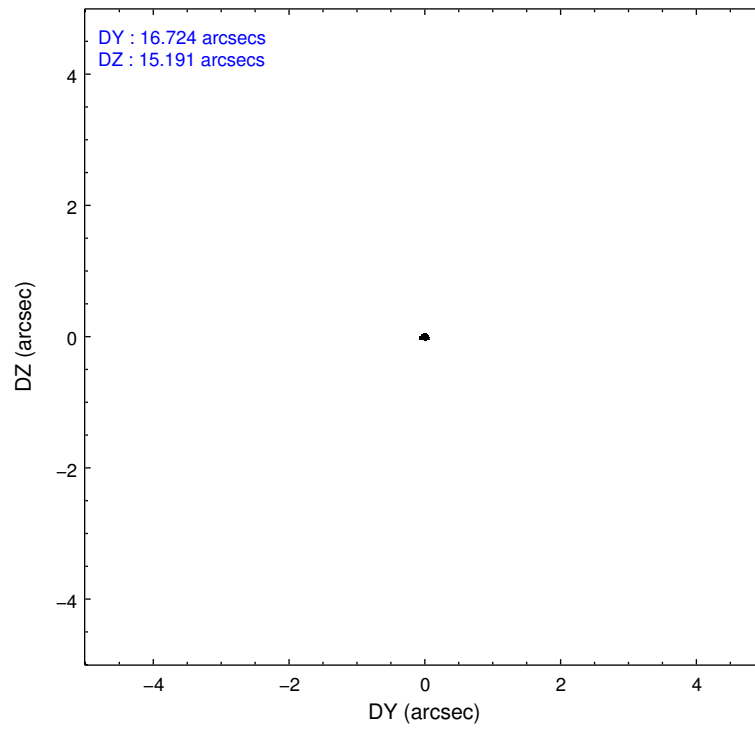
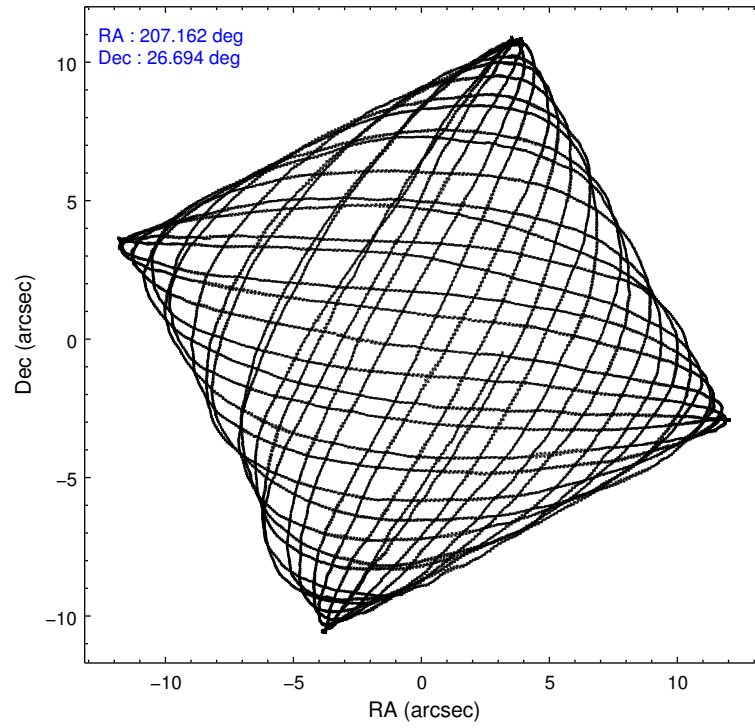
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	105059	113711	106088	182614	110342
rejected events	82627	84176	92720	88486	91021
rejected %	78%	74%	87%	48%	82%

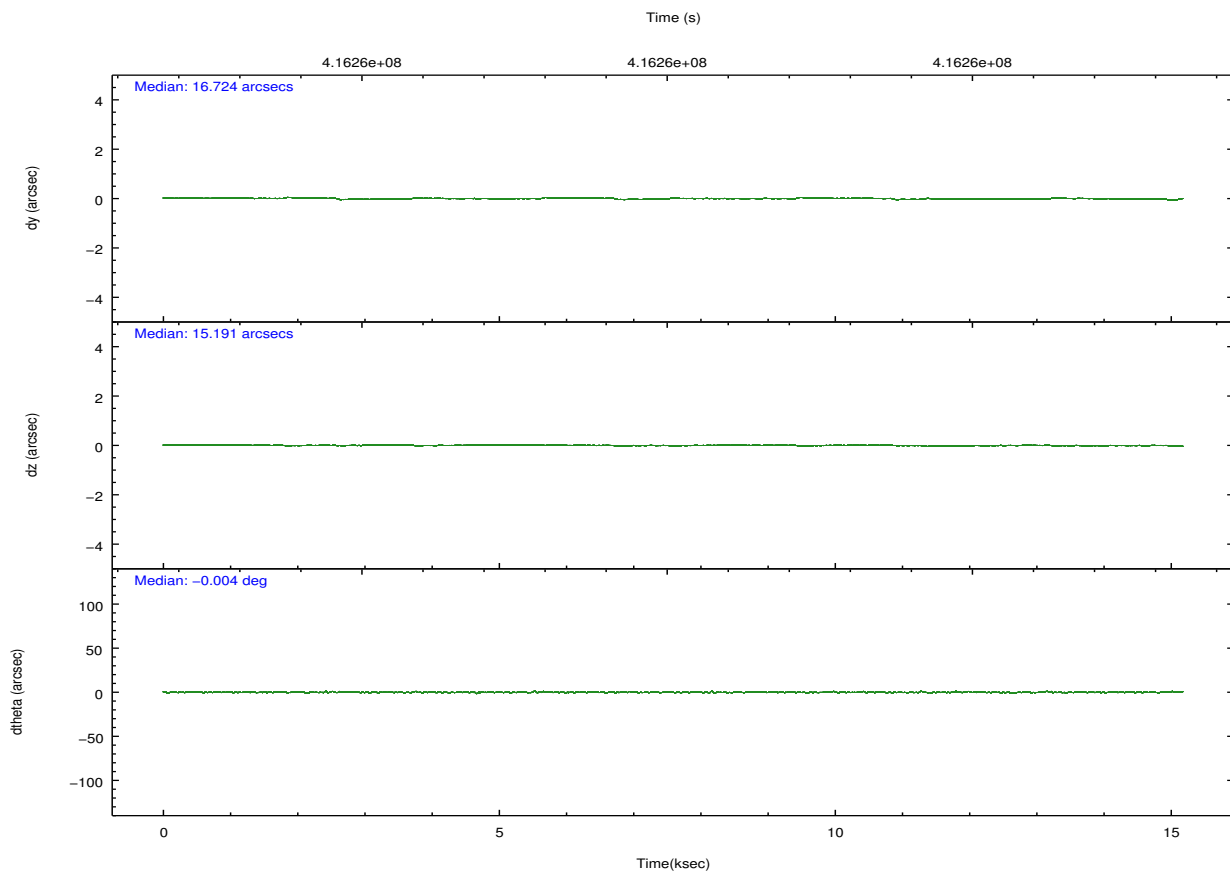
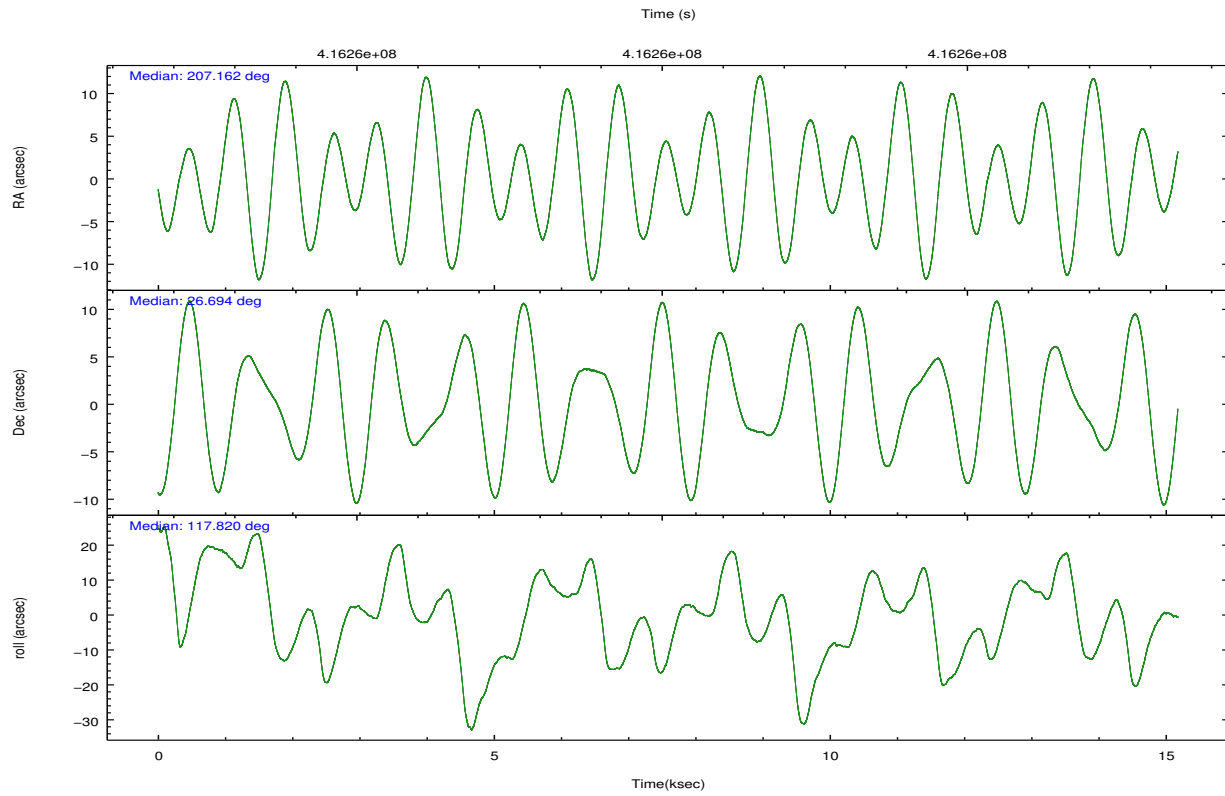
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	14712	18795	5734	71823	11837
	14%	16%	5%	39%	10%
grade 1 events	137	124	54	381	103
	0%	0%	0%	0%	0%
grade 2 events	3007	4428	3006	10560	2633
	2%	3%	2%	5%	2%
grade 3 events	1247	1650	1203	3665	1231
	1%	1%	1%	2%	1%
grade 4 events	1176	1728	1271	3666	1132
	1%	1%	1%	2%	1%
grade 5 events	4316	4577	3823	5096	4449
	4%	4%	3%	2%	4%
grade 6 events	2296	2942	2156	4438	2494
	2%	2%	2%	2%	2%
grade 7 events	78168	79467	88841	82985	86463
	74%	69%	83%	45%	78%

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	207.187583	207.1614372994476	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.679315	26.69383397488371	Alternating exposures requested	N	N
[deg] Pointing Roll	117.619003	117.8394280147268	[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	-230.252463	-230.248423740357			
[mm] SIM translation stage offset	-3.34	-3.34402926257269			
[s] Observation start time (MET)	416252684.184000	416252308.69679			
Observation start date	2011-03-11T17:43:38	2011-03-11T17:38:28			
[s] Observation end time (MET)	416267685.184000	416267921.4976			
Observation end date	2011-03-11T21:53:39	2011-03-11T21:58:41			
Read mode	TIMED	TIMED			

2.3 Aspect



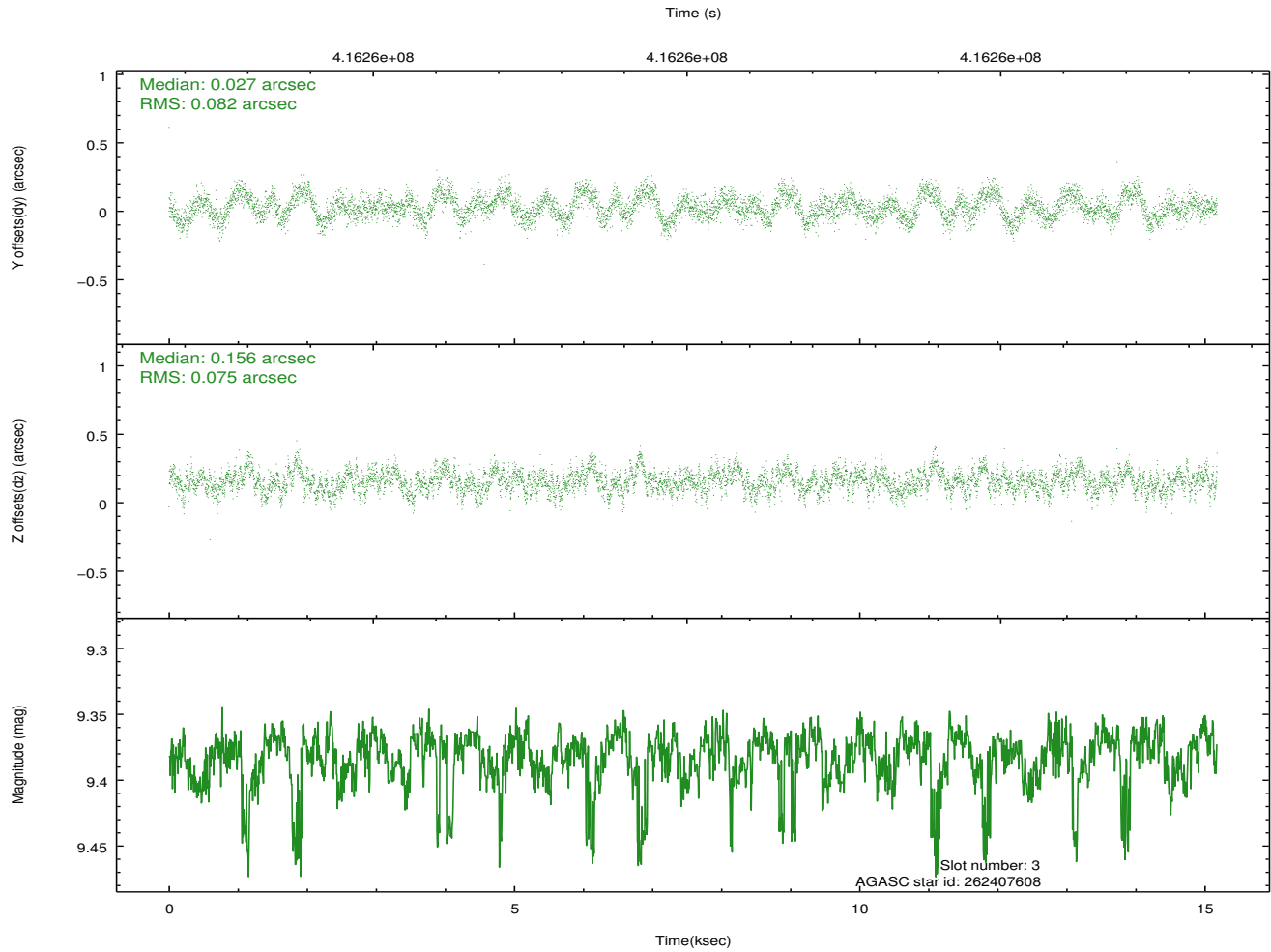
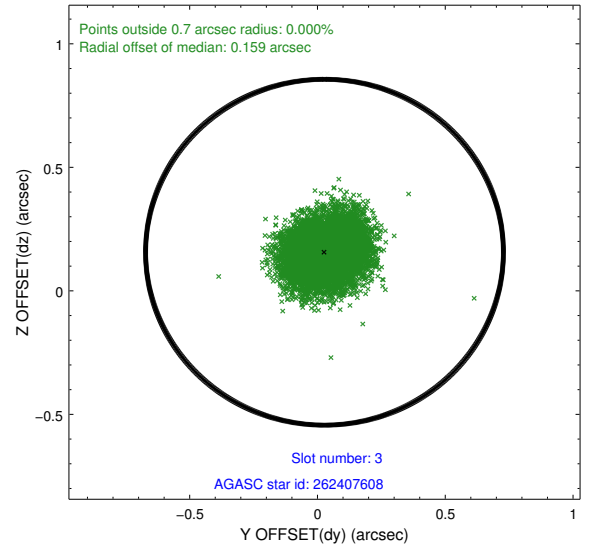
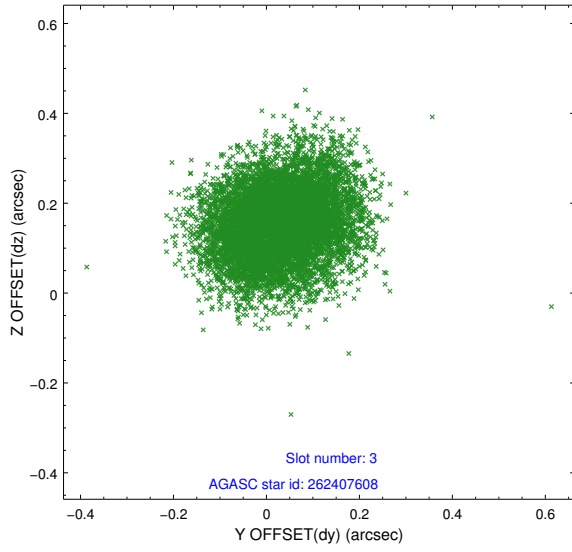


Slot Statistics

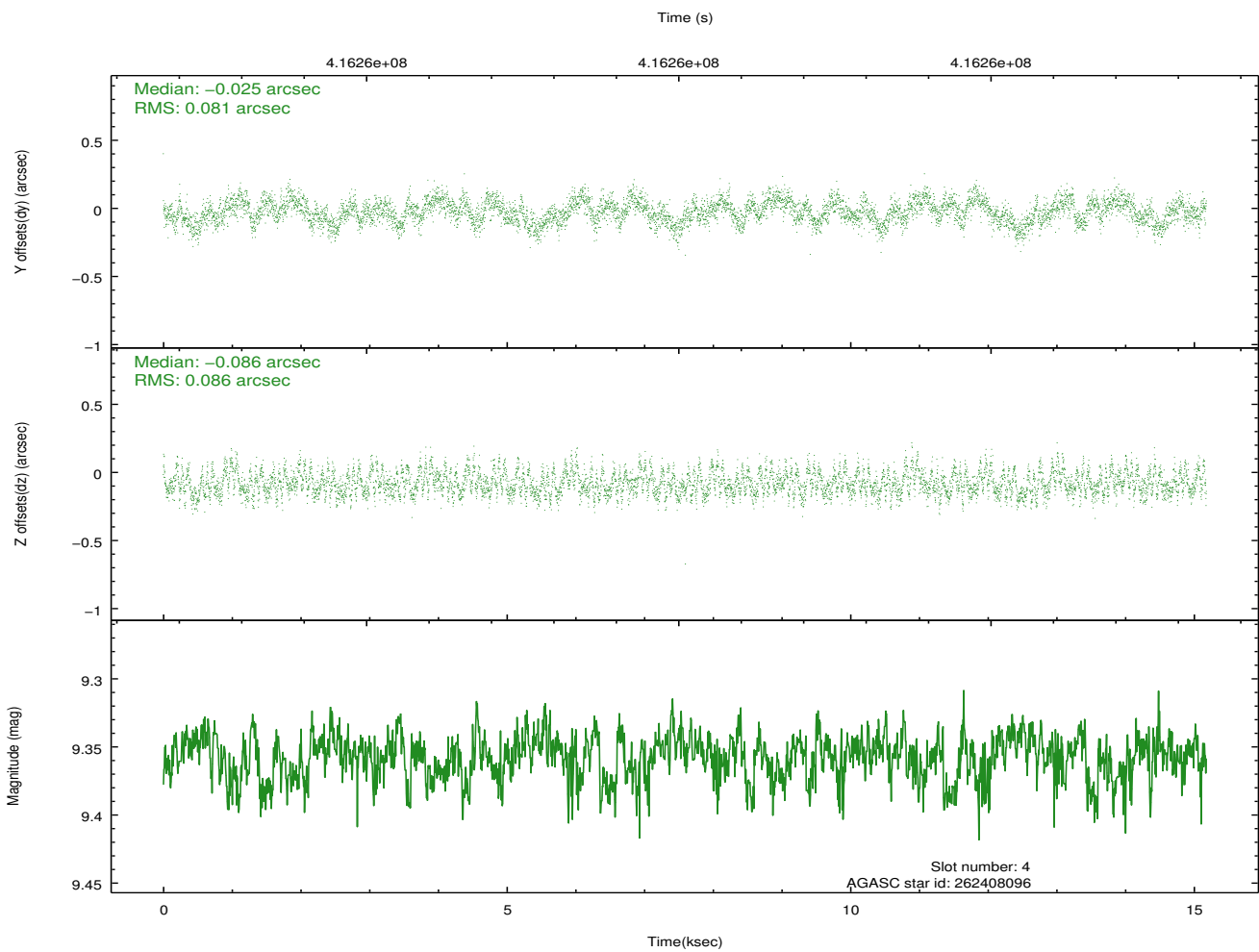
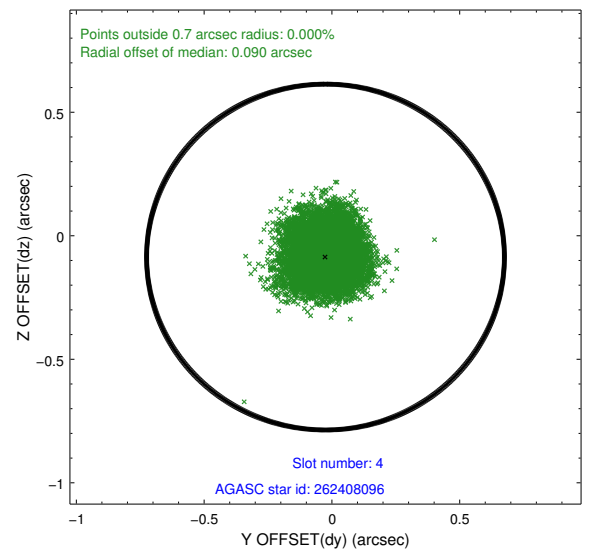
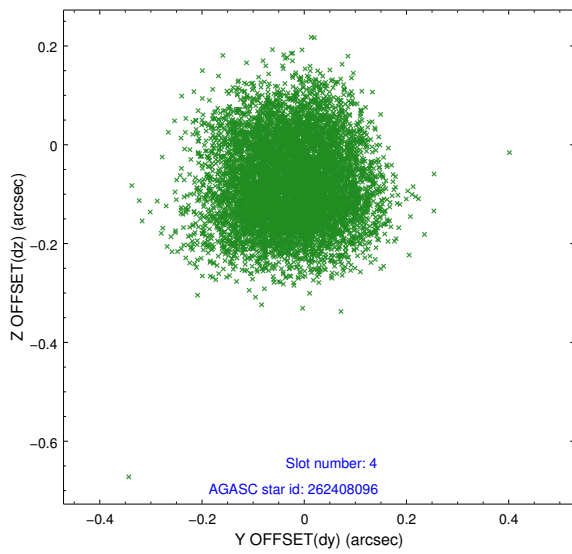
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.11	3702	0.046	-0.005	0.006	0.011	0.000000	0.000000	922.71	-907.36
1	FID	ACIS-I-5	7.10	3701	-0.210	0.053	0.006	0.010	0.000000	0.000000	-1825.56	989.93
2	FID	ACIS-I-6	7.12	3702	0.073	0.023	0.006	0.011	0.000000	0.000000	387.87	1634.82
3	GUIDE	262407608	9.38	7399	0.027	0.156	0.121	0.188	207.378401	26.435507	-1062.05	-138.28
4	GUIDE	262408096	9.36	7395	-0.025	-0.086	0.127	0.196	207.011678	26.515421	-259.41	775.87
5	GUIDE	262408936	9.68	7395	-0.071	-0.199	0.164	0.327	207.154731	26.726554	199.81	14.97
6	GUIDE	262409624	10.06	7377	0.067	0.125	0.229	0.358	207.610037	27.074851	637.06	-1860.35
7	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

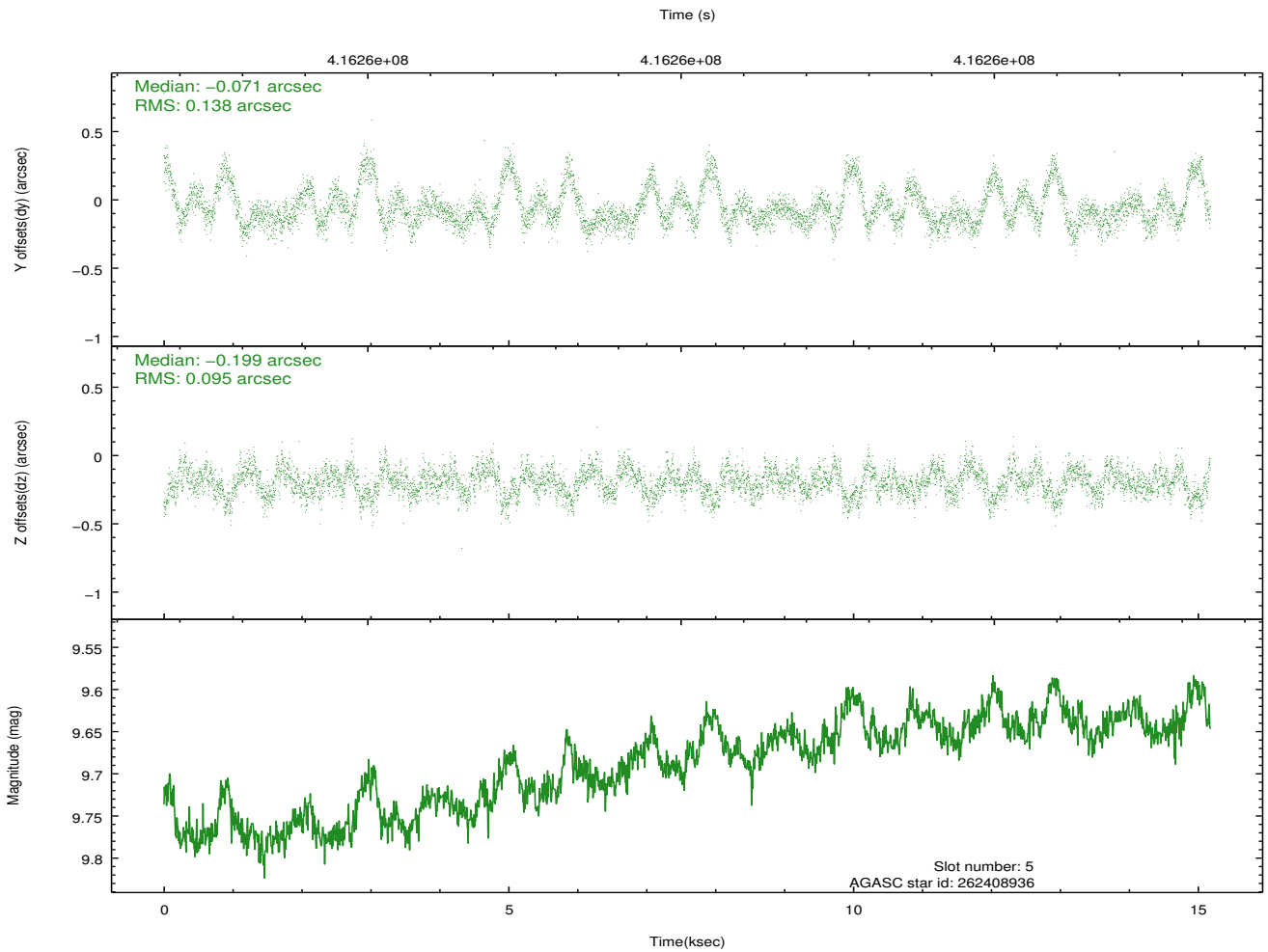
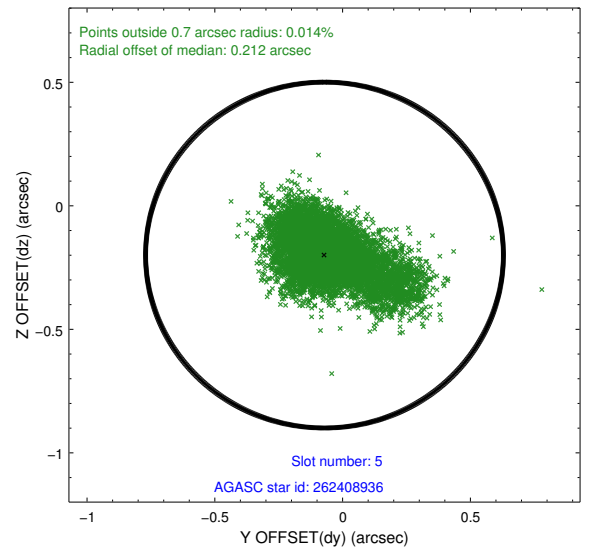
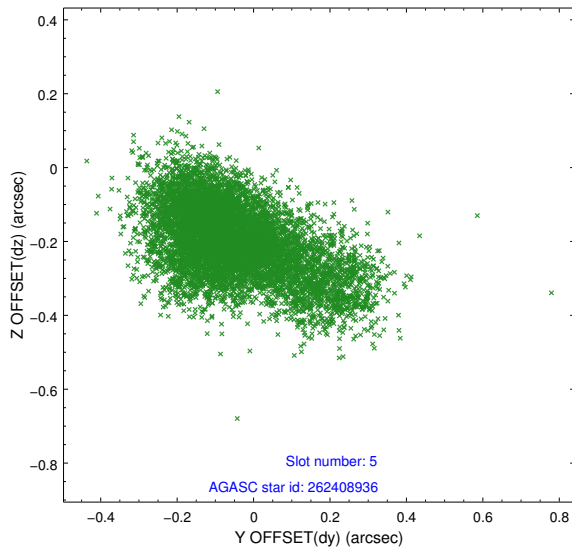
2.4.1 Slot 3



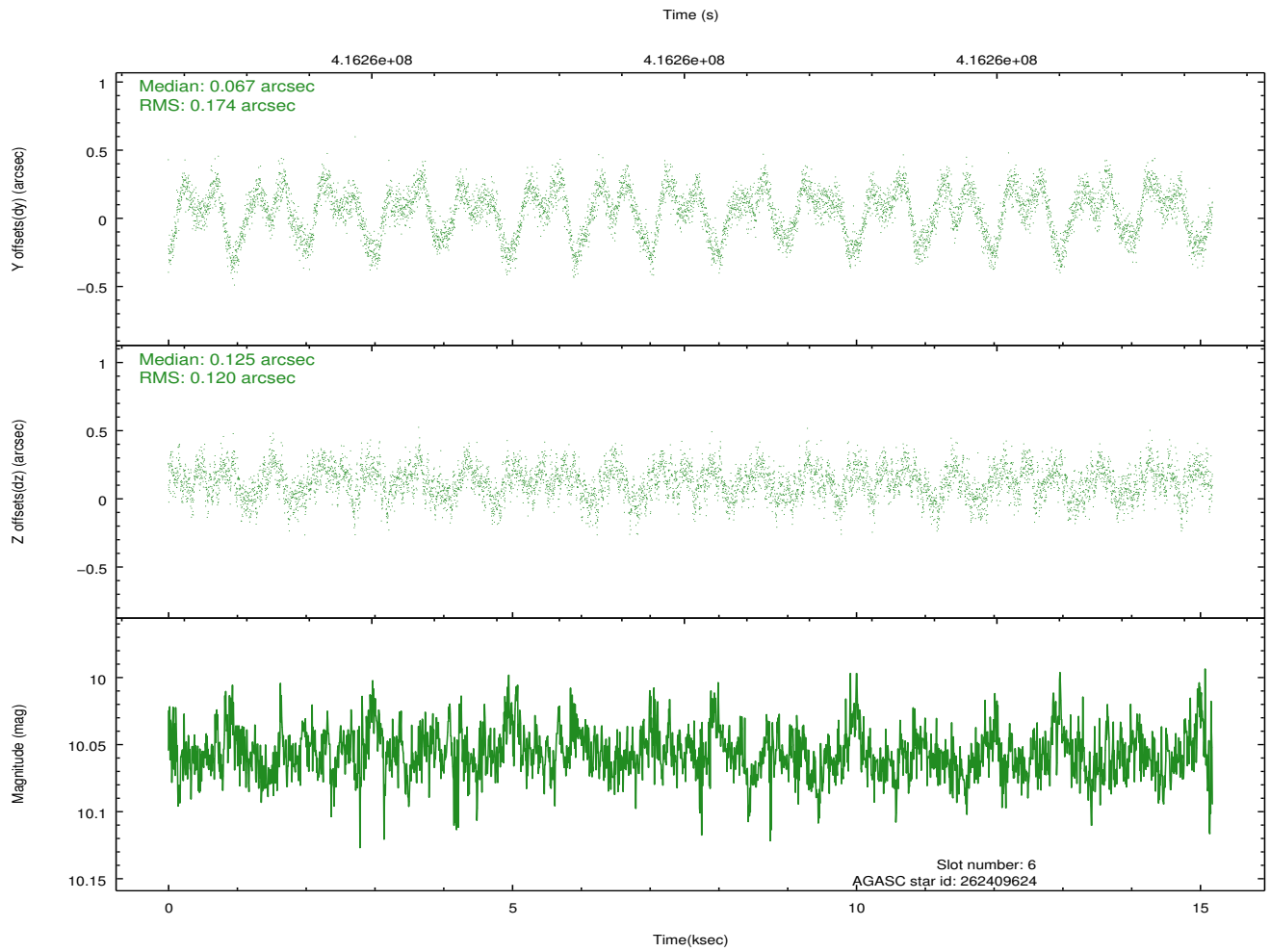
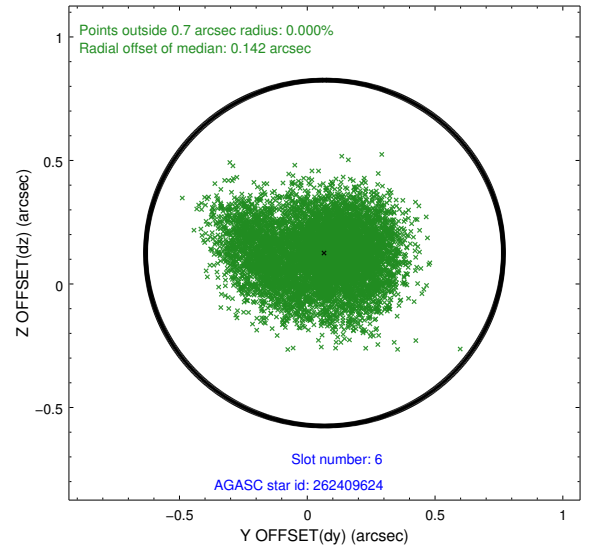
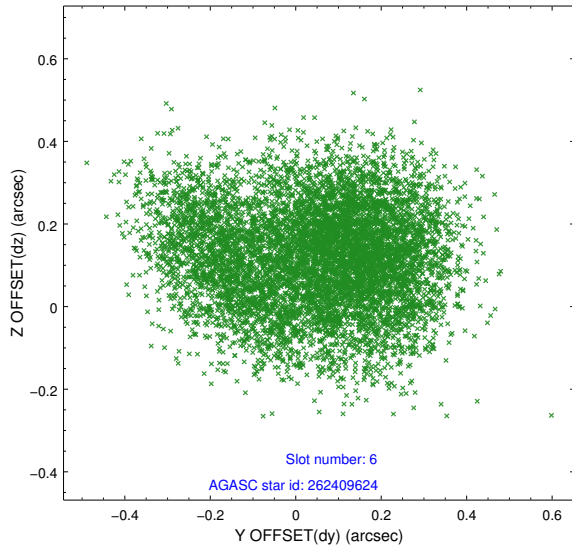
2.4.2 Slot 4



2.4.3 Slot 5

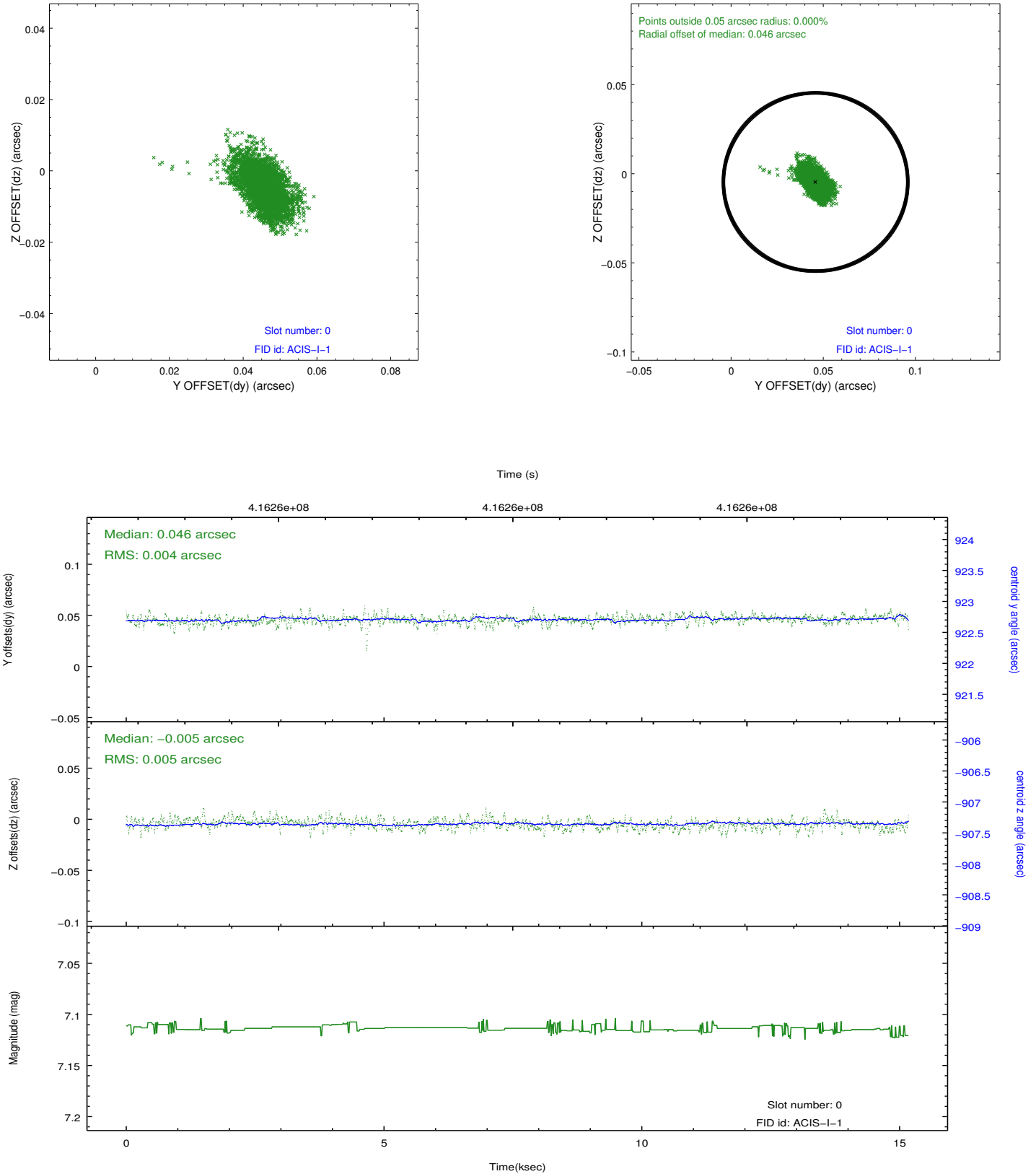


2.4.4 Slot 6

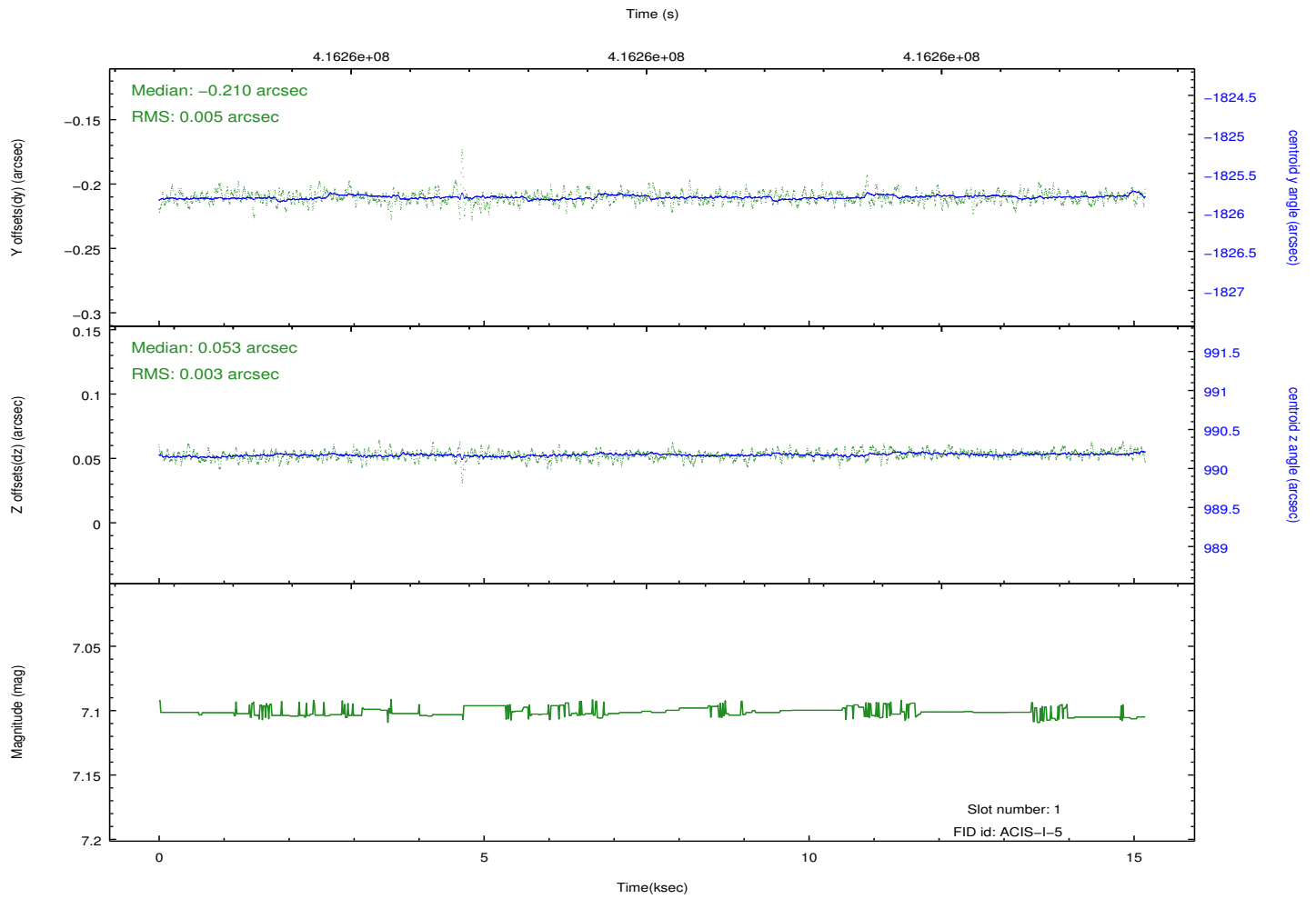
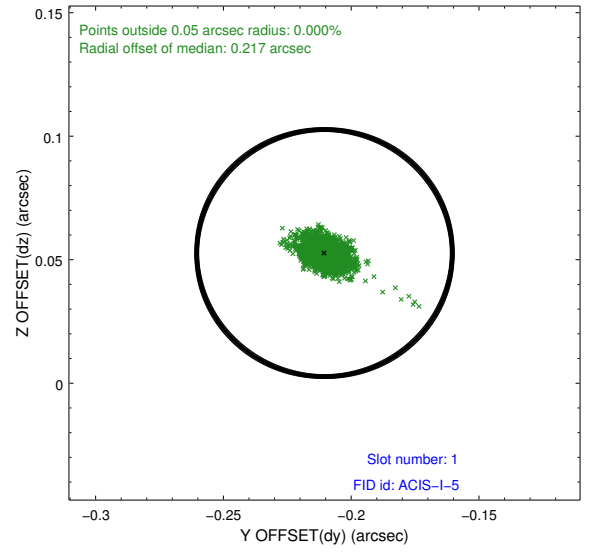
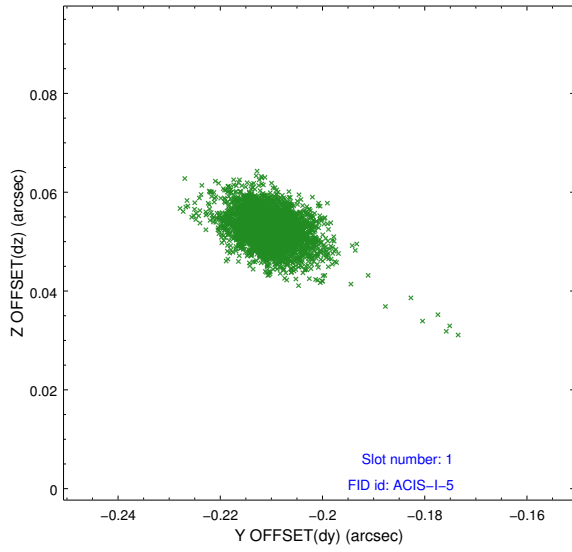


2.5 FID Slots

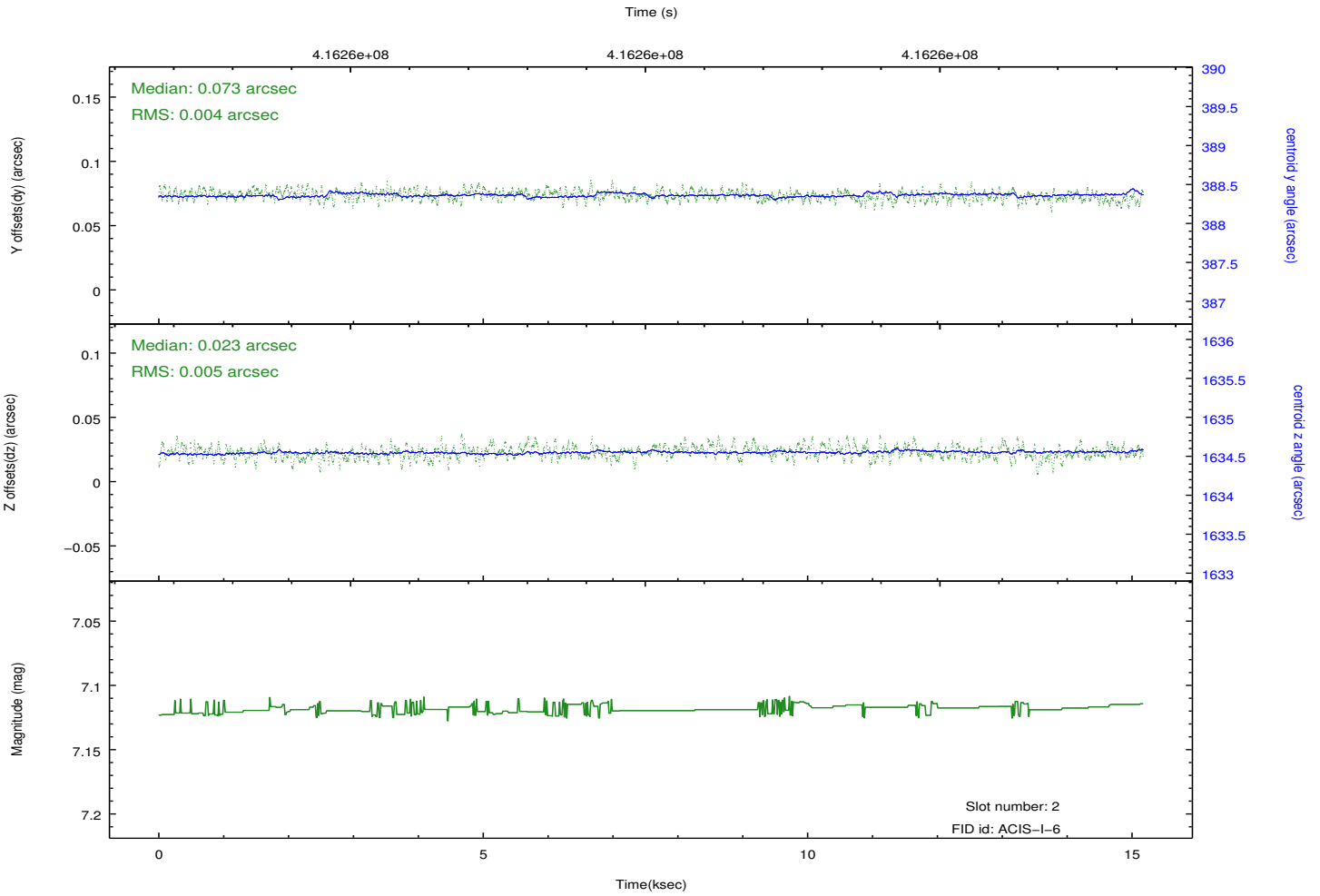
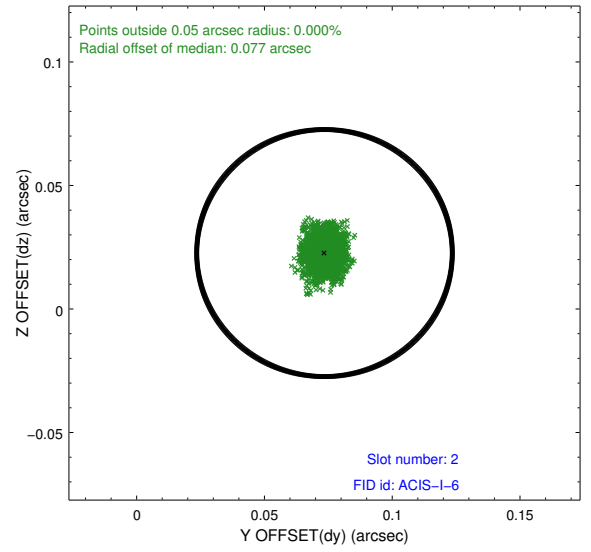
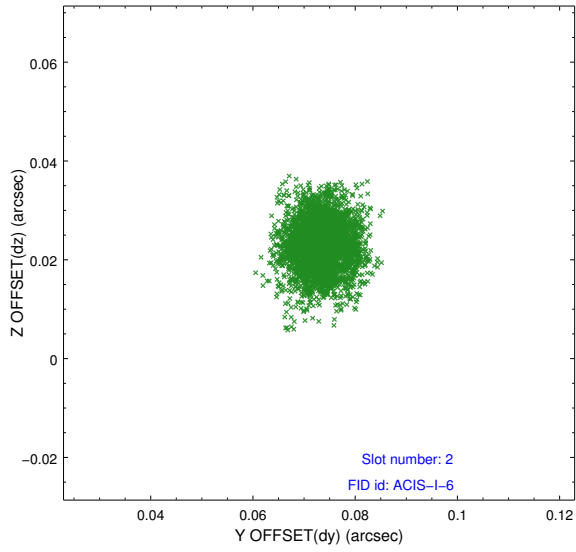
2.5.1 Slot 0



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)	2012.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.777510827065

A.2 Comments

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.