

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14043 - L2 Version 1
Chandra X-Ray Center

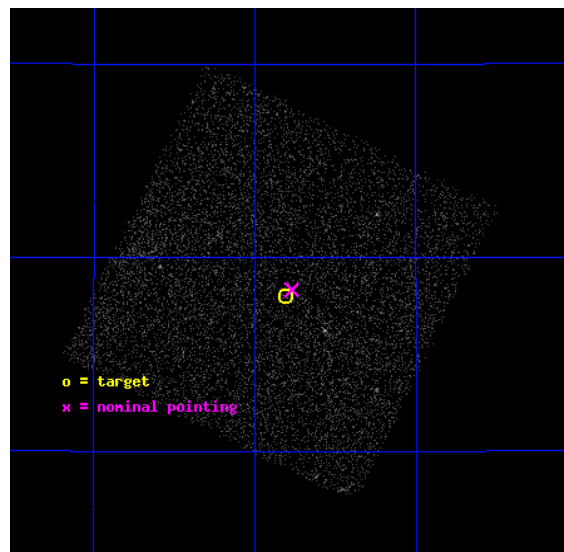
L2 Processing Date : Feb 20 2012

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1 Front

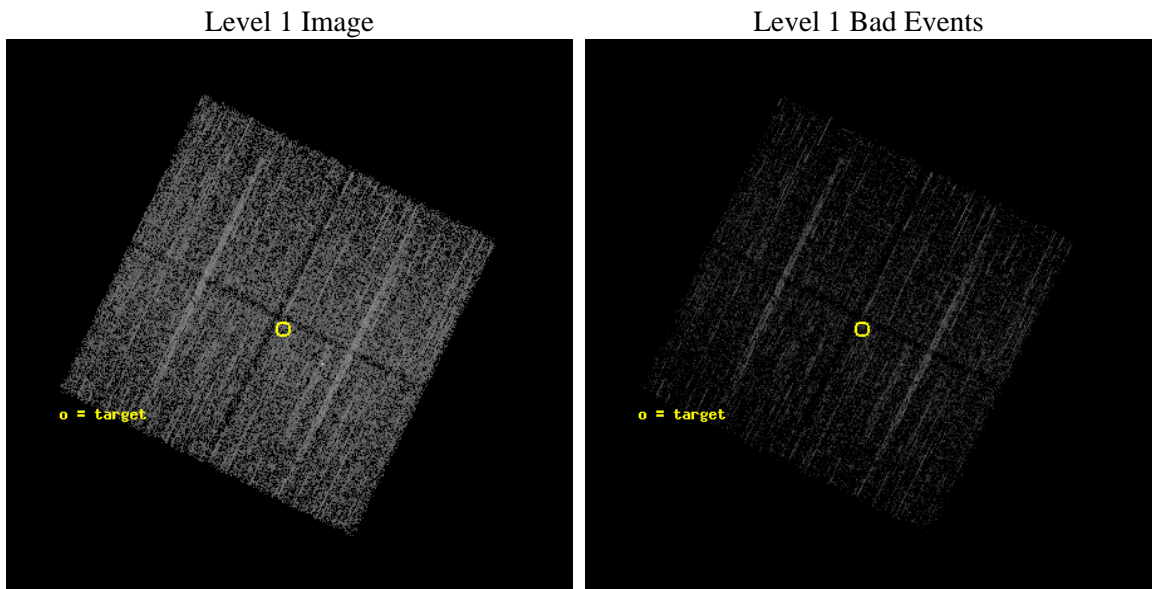
seq_num	901009	Sequence number
obs_id	14043	Observation id
title	BAT, Chandra, NuSTAR and The origin of the Cosmic X-ray Background	
observer	Dr. marco ajello	Principal investigator
object	J1339.8+5548	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	204.952917	Observer's specified target RA [deg]
dec_targ	55.8	Observer's specified target Dec [deg]
ra_nom	204.94300677106	Nominal RA [deg]
dec_nom	55.805803597887	Nominal Dec [deg]
roll_nom	116.28164513432	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5090.2000391483	Sum of GTIs [s]
livetime	5023.6928282861	Livetime [s]
ontime0	5090.1751112342	Sum of GTIs [s]
ontime1	5090.2000391483	Sum of GTIs [s]
ontime2	5090.2000391483	Sum of GTIs [s]
ontime3	5090.2000391483	Sum of GTIs [s]
l2events	12549	Number of level 2 events



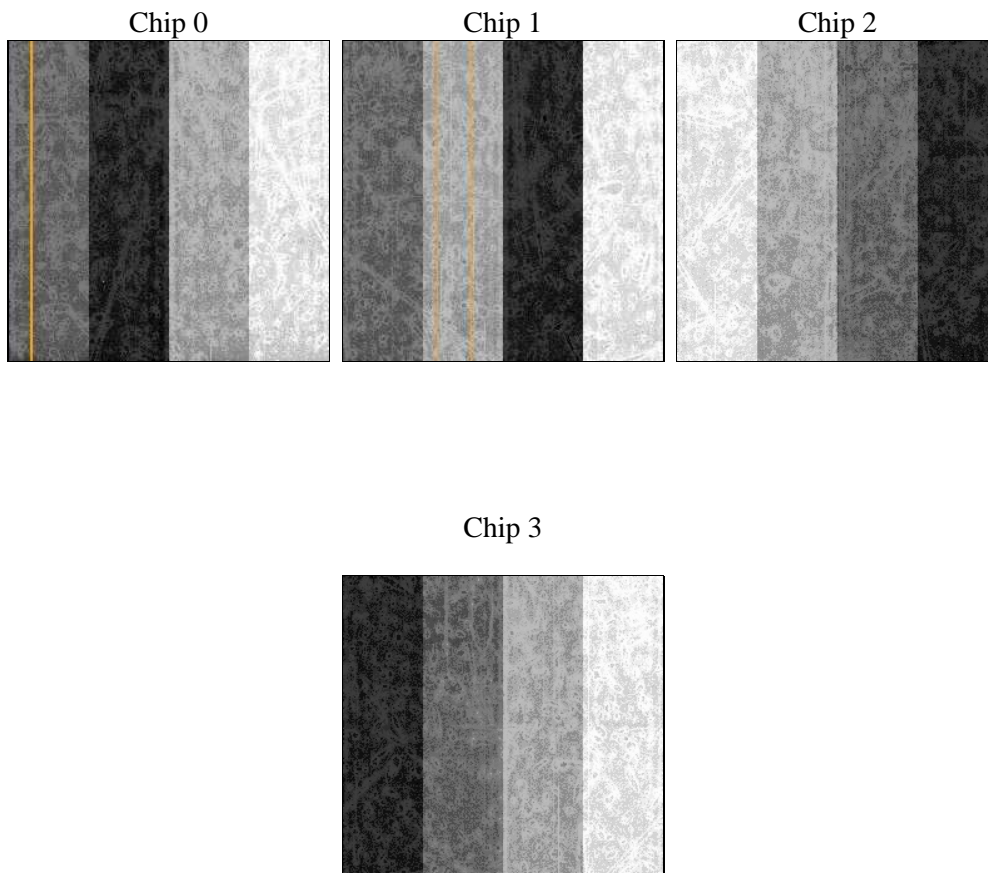
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5090.2000391483	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	5090.1751112342	Sum of GTIs [s]
date	2012-02-20T06:32:52	Date and time of file creation	ontime1	5090.2000391483	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5090.2000391483	Sum of GTIs [s]
			ontime3	5090.2000391483	Sum of GTIs [s]
			l1events	114760	Number of level 1 events

2.1.4 Events

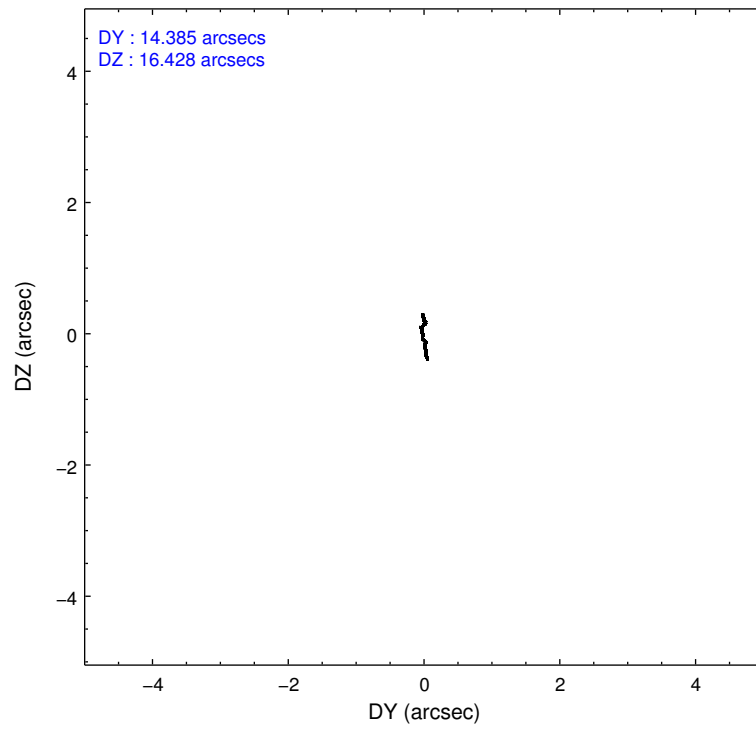
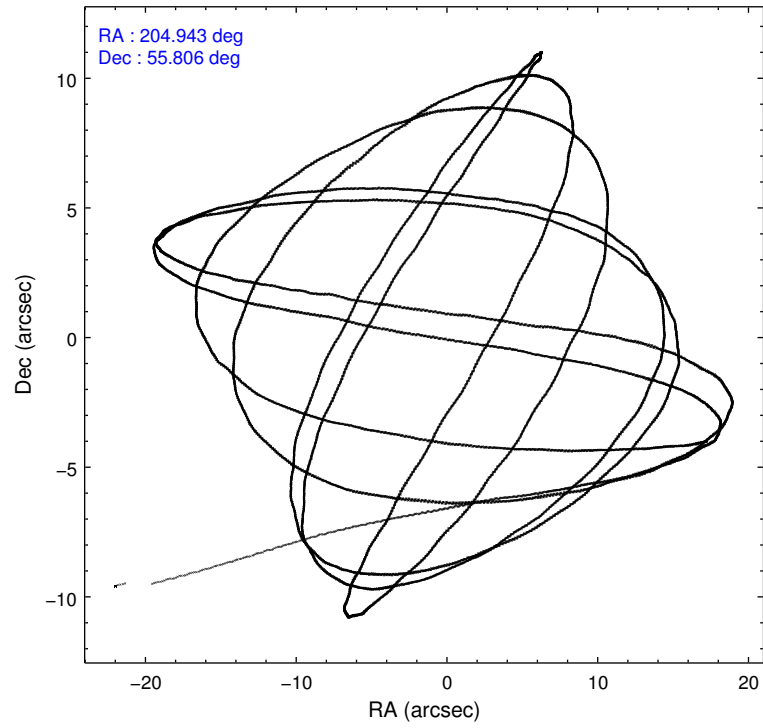
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	27115	27578	30340	29727
rejected events	23549	23629	26968	25654
rejected %	86%	85%	88%	86%

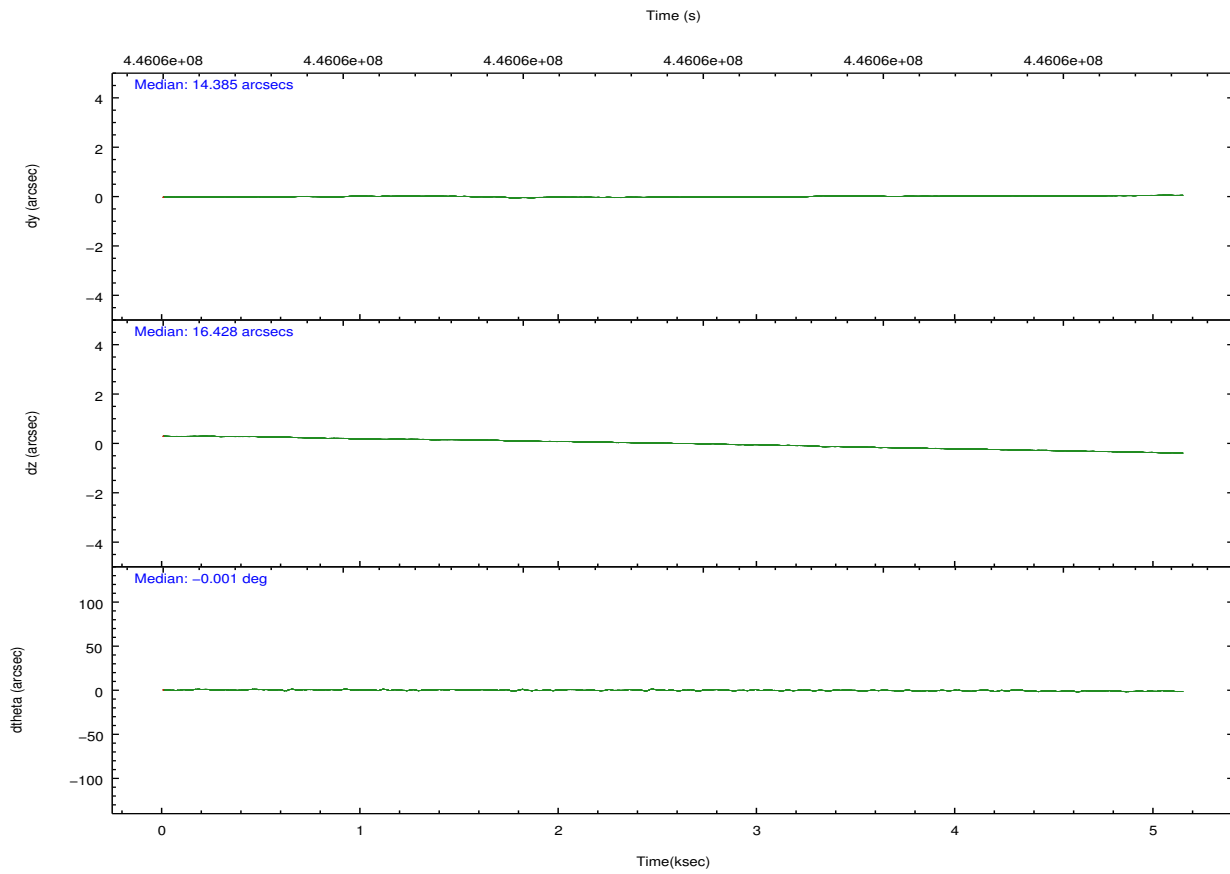
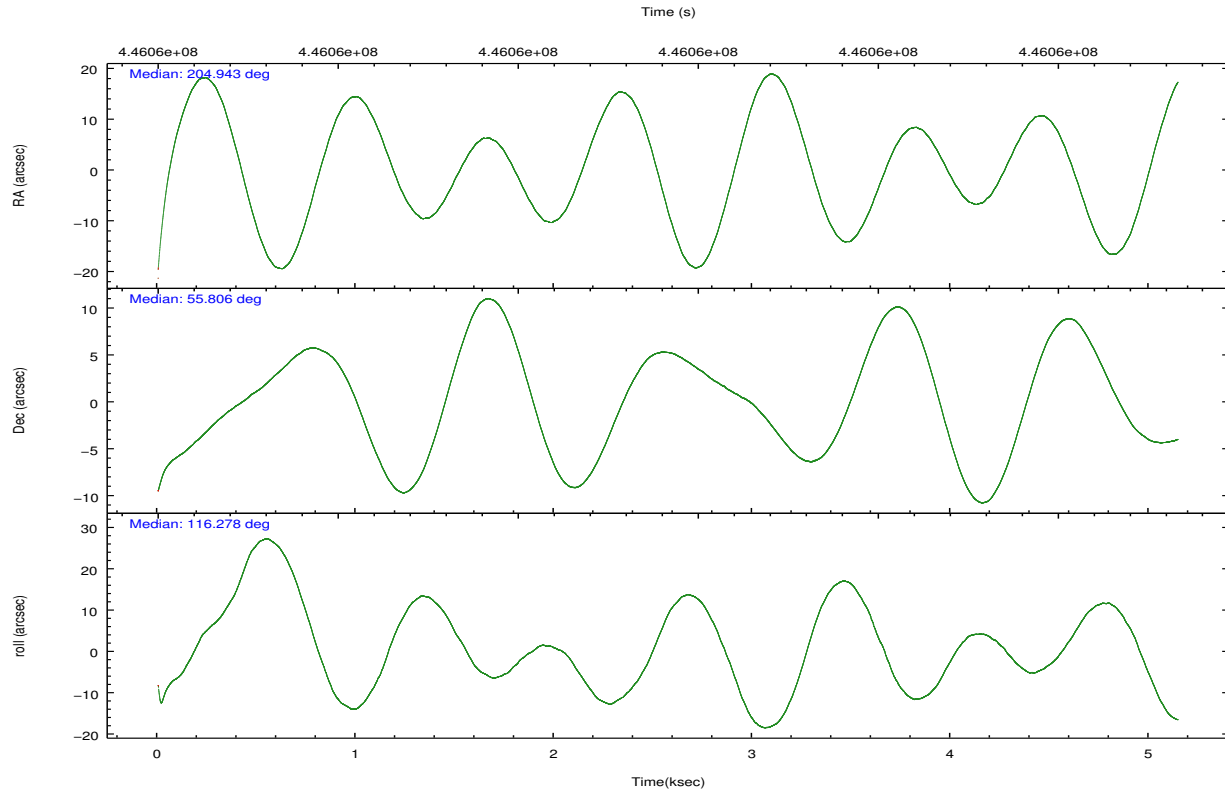
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1158	1416	1237	1737
	4%	5%	4%	5%
grade 1 events	15	11	19	40
	0%	0%	0%	0%
grade 2 events	937	926	786	807
	3%	3%	2%	2%
grade 3 events	389	387	344	405
	1%	1%	1%	1%
grade 4 events	351	390	350	389
	1%	1%	1%	1%
grade 5 events	1358	1484	1244	1517
	5%	5%	4%	5%
grade 6 events	734	833	657	736
	2%	3%	2%	2%
grade 7 events	22173	22131	25703	24096
	81%	80%	84%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	204.983784	204.9430067710649	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.790670	55.80580359788652	Alternating exposures requested	N	N
[deg] Pointing Roll	116.039293	116.2816451343182	[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	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	446060408.184000	446059274.31059			
Observation start date	2012-02-19T17:39:02	2012-02-19T17:21:14			
[s] Observation end time (MET)	446065408.184000	446066041.36095			
Observation end date	2012-02-19T19:02:22	2012-02-19T19:14:01			
Read mode	TIMED	TIMED			

2.3 Aspect



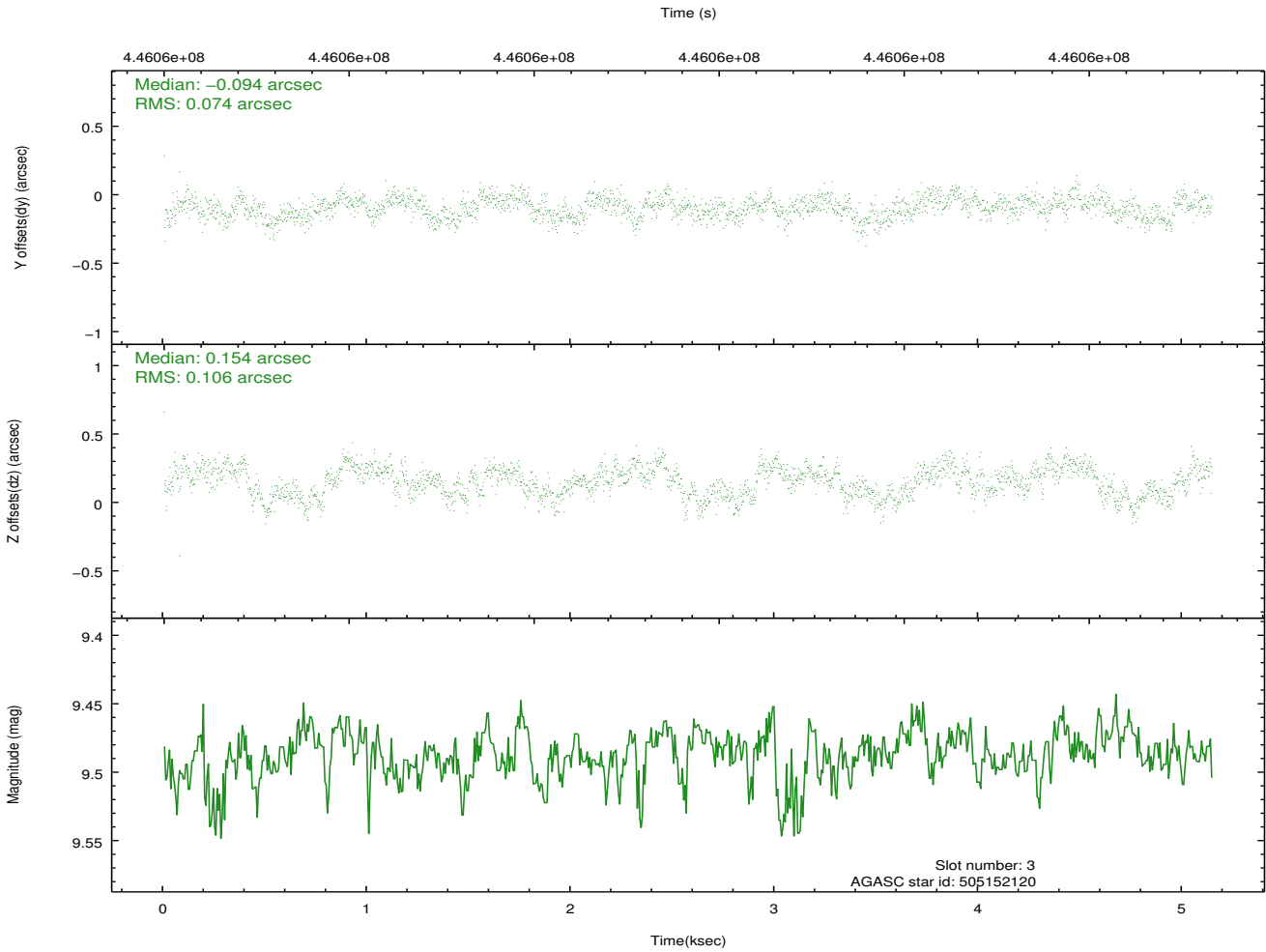
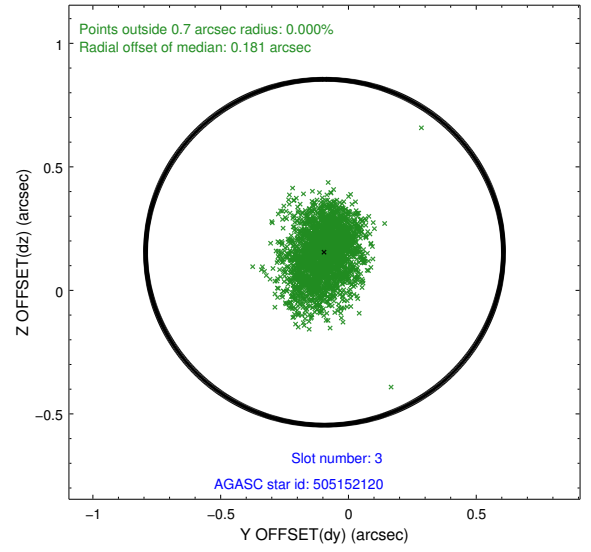
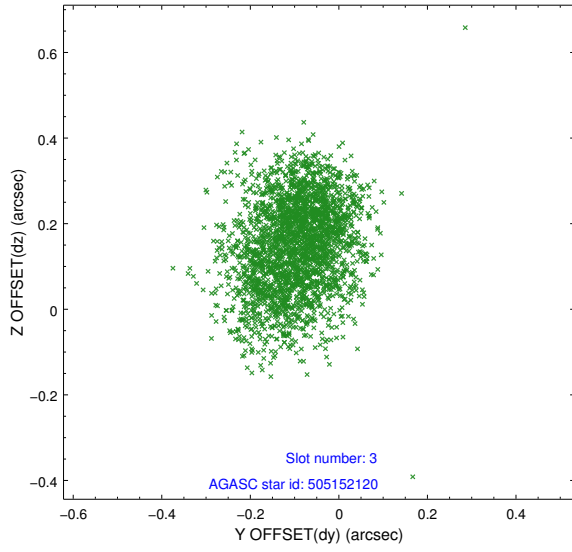


Slot Statistics

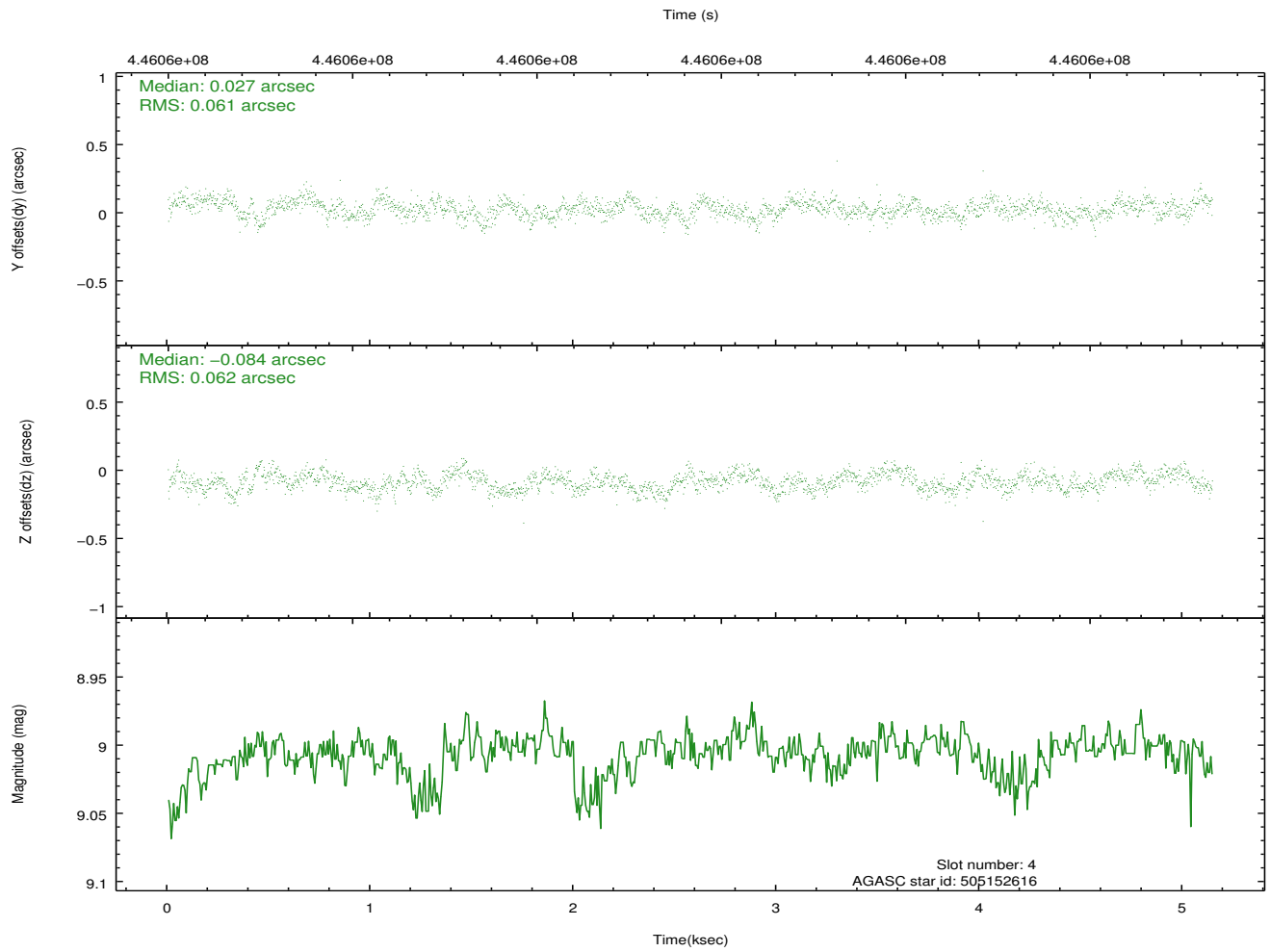
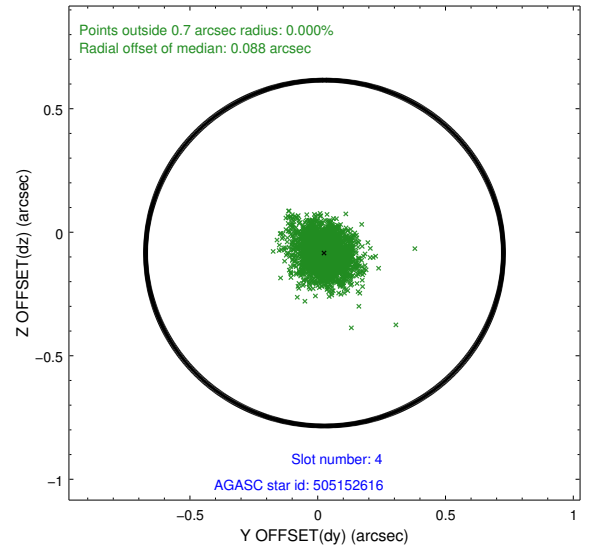
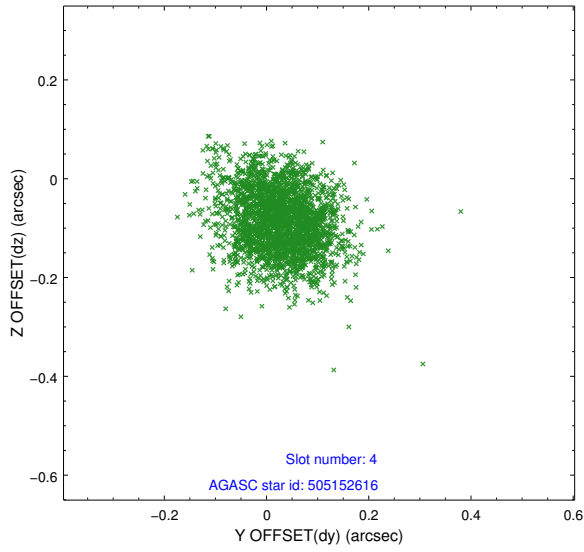
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	1255	0.068	-0.040	0.008	0.013	0.000000	0.000000	925.14	-840.10
1	FID	ACIS-I-5	7.00	1255	-0.219	0.067	0.008	0.012	0.000000	0.000000	-1822.57	1056.94
2	FID	ACIS-I-6	7.00	1255	0.060	0.044	0.009	0.015	0.000000	0.000000	389.43	1702.73
3	GUIDE	505152120	9.49	2508	-0.094	0.154	0.138	0.220	205.411901	56.033893	411.84	-1156.42
4	GUIDE	505152616	9.01	2508	0.027	-0.084	0.091	0.150	204.575343	55.063488	-1980.10	1904.14
5	GUIDE	505157336	9.11	2507	0.071	-0.009	0.096	0.161	205.257839	56.581262	2319.40	-1737.25
6	GUIDE	505163040	6.93	2510	-0.066	0.019	0.065	0.107	206.025637	55.634983	-1417.41	-1663.83
7	GUIDE	505152088	9.10	2503	0.073	-0.071	0.107	0.181	204.737822	55.659675	-204.27	654.64

2.4 Star Slots

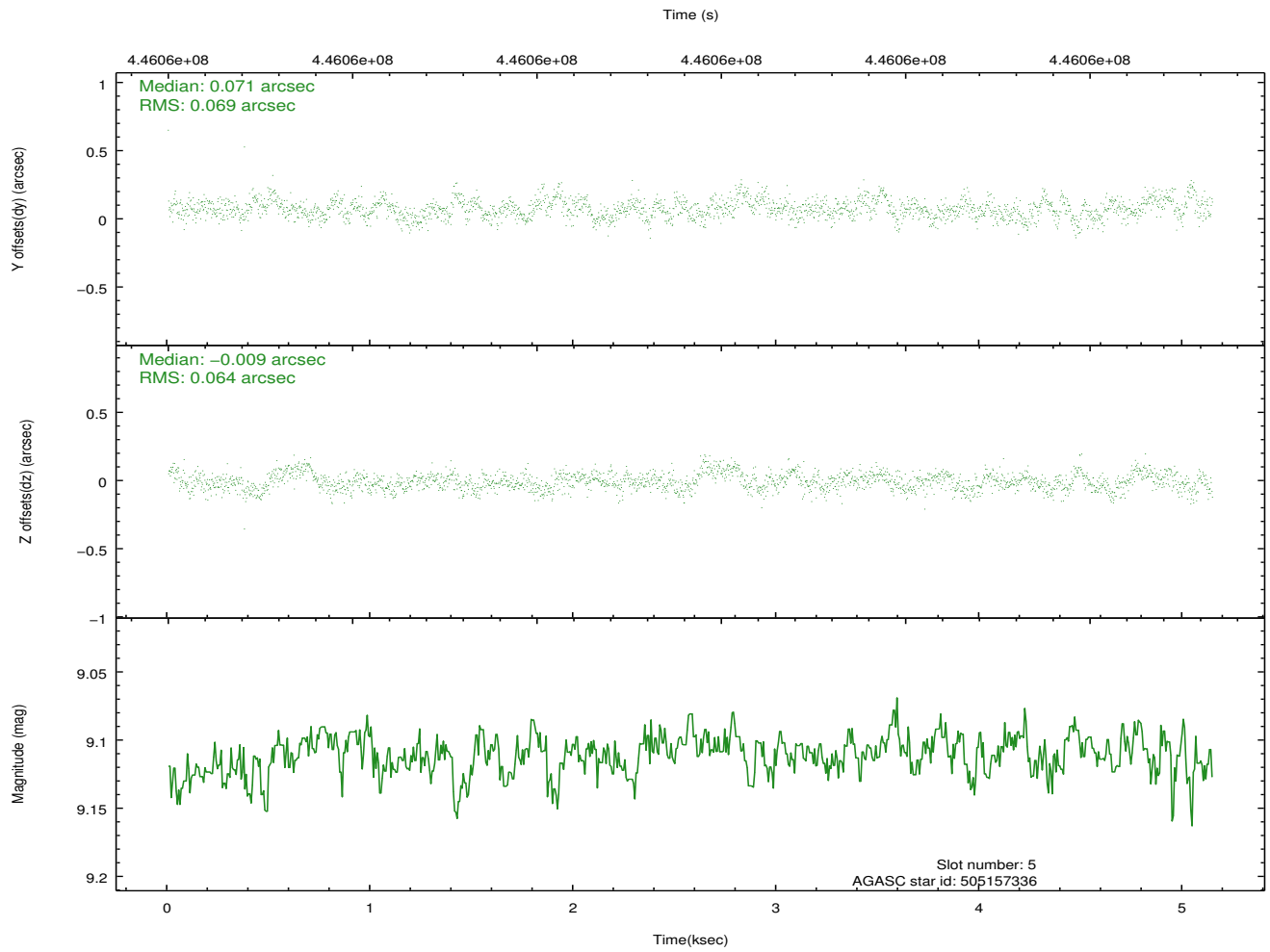
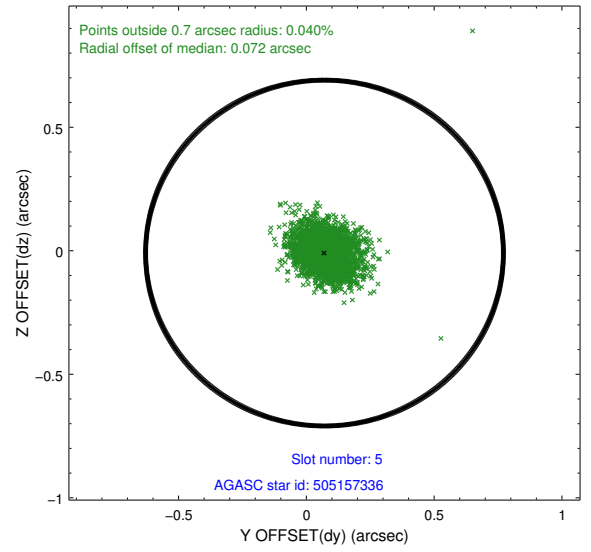
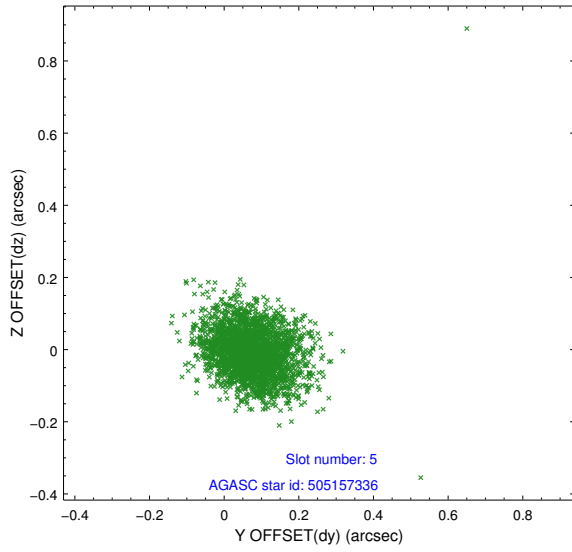
2.4.1 Slot 3



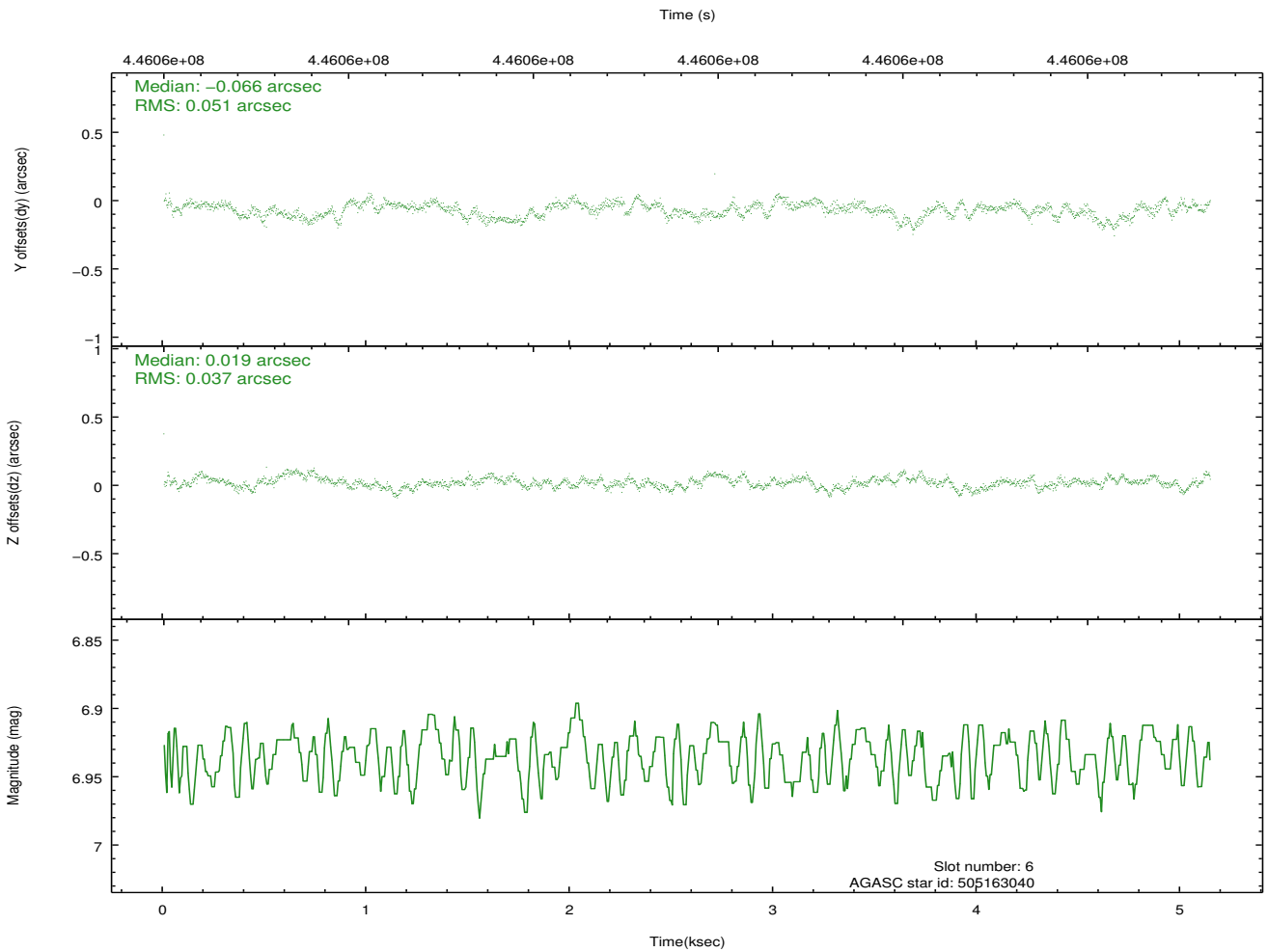
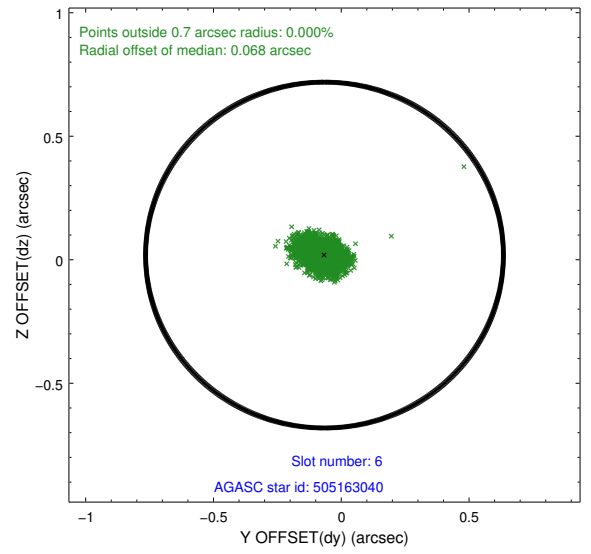
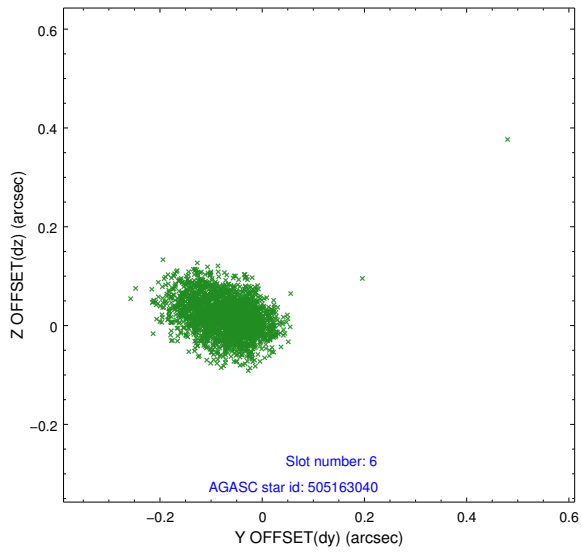
2.4.2 Slot 4



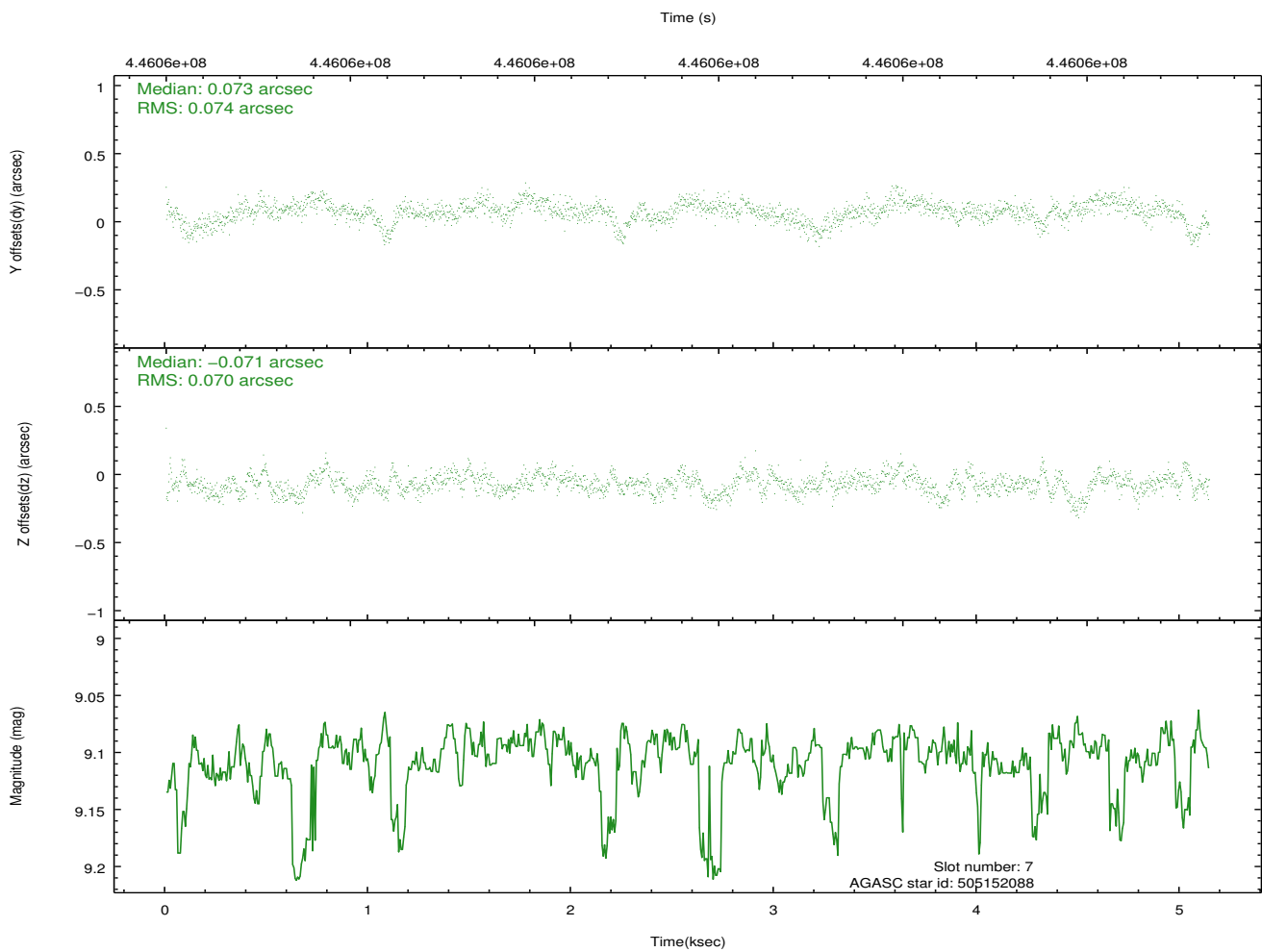
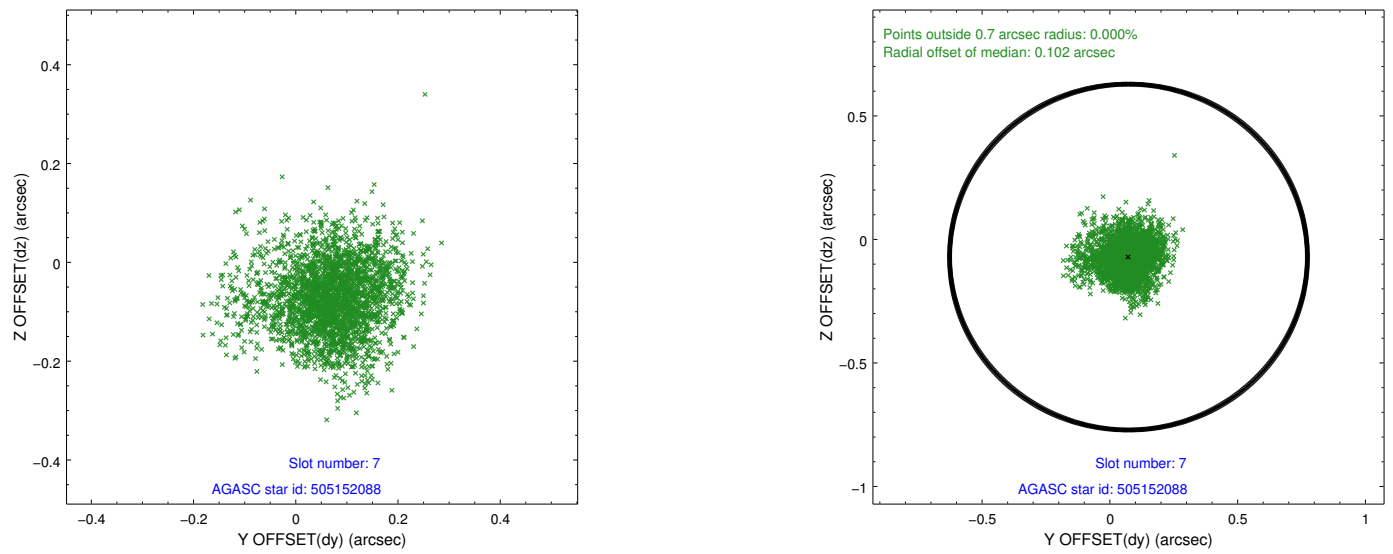
2.4.3 Slot 5



2.4.4 Slot 6

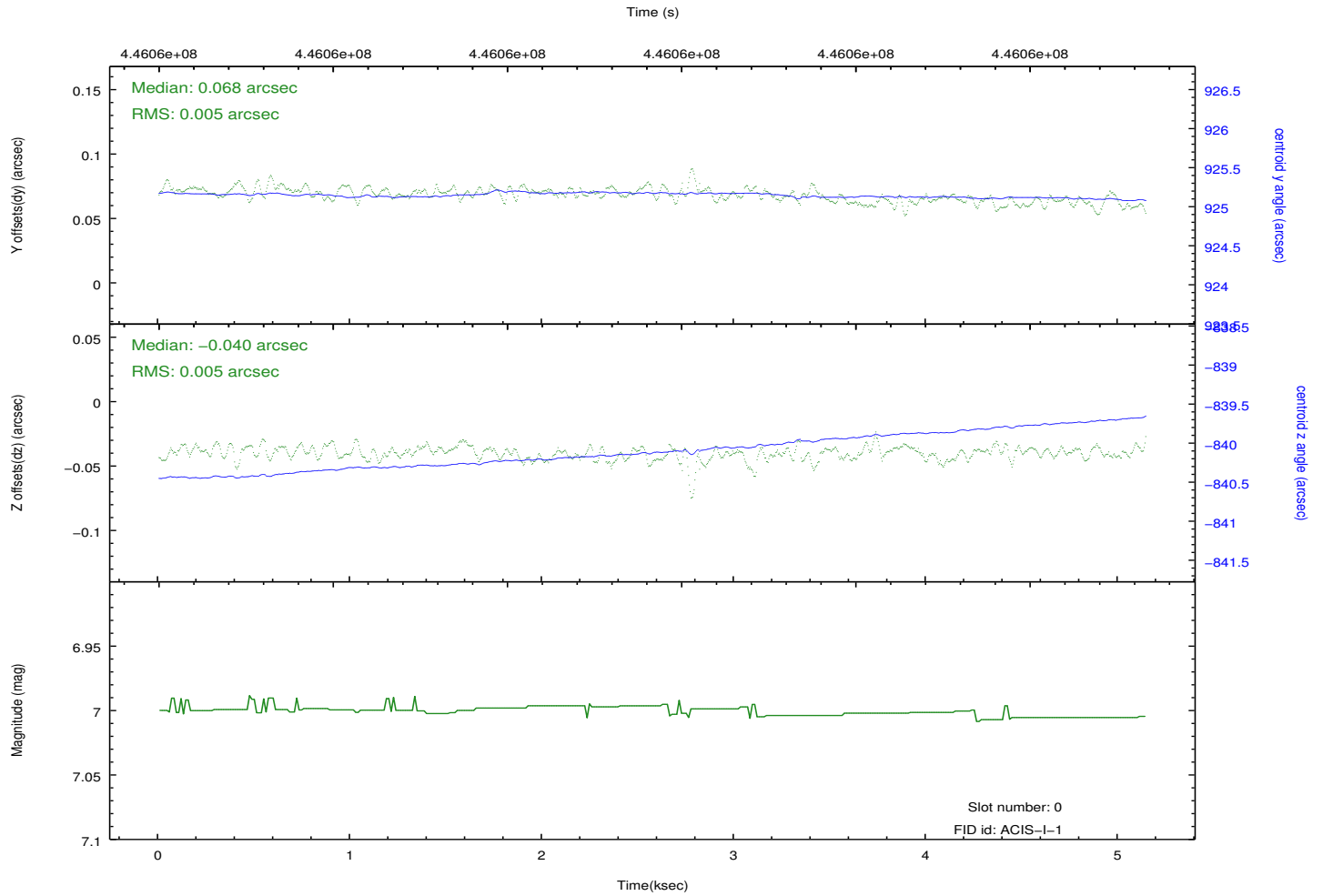
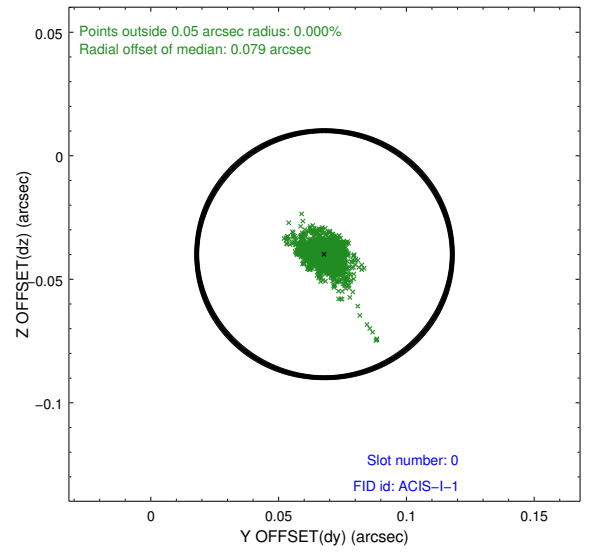
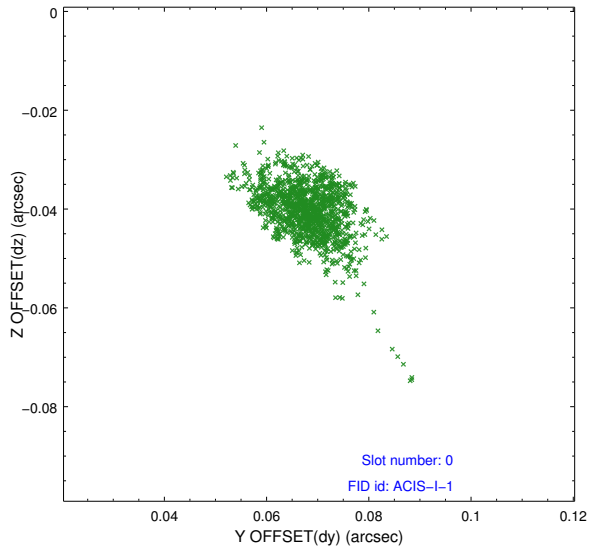


2.4.5 Slot 7

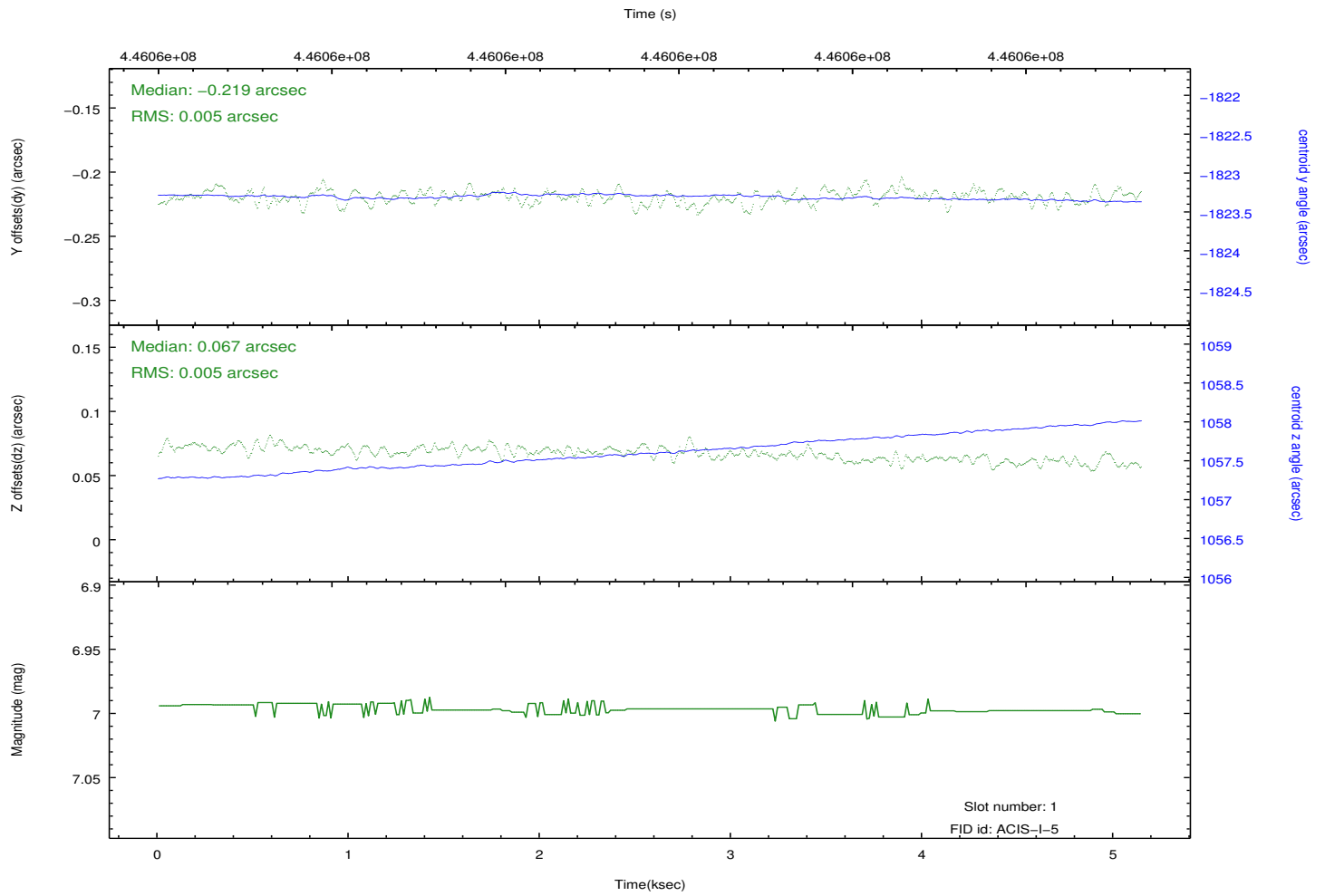
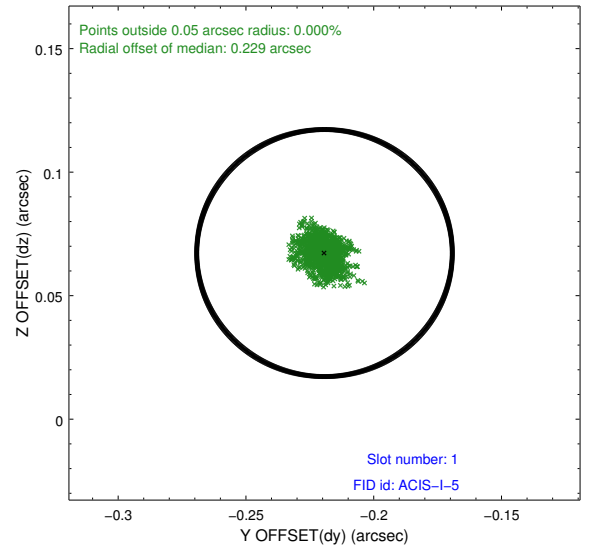
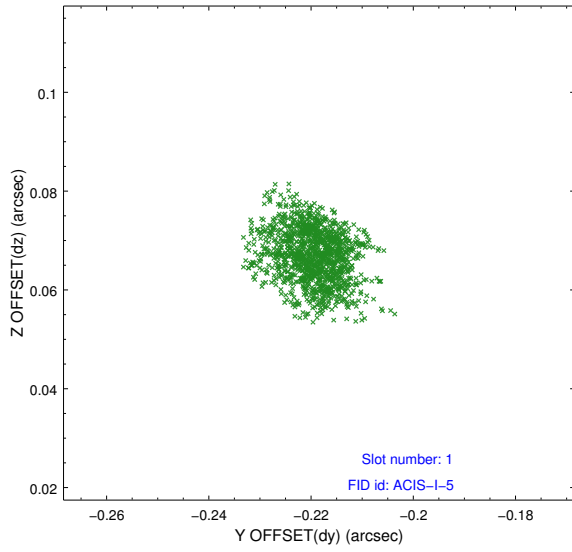


2.5 FID Slots

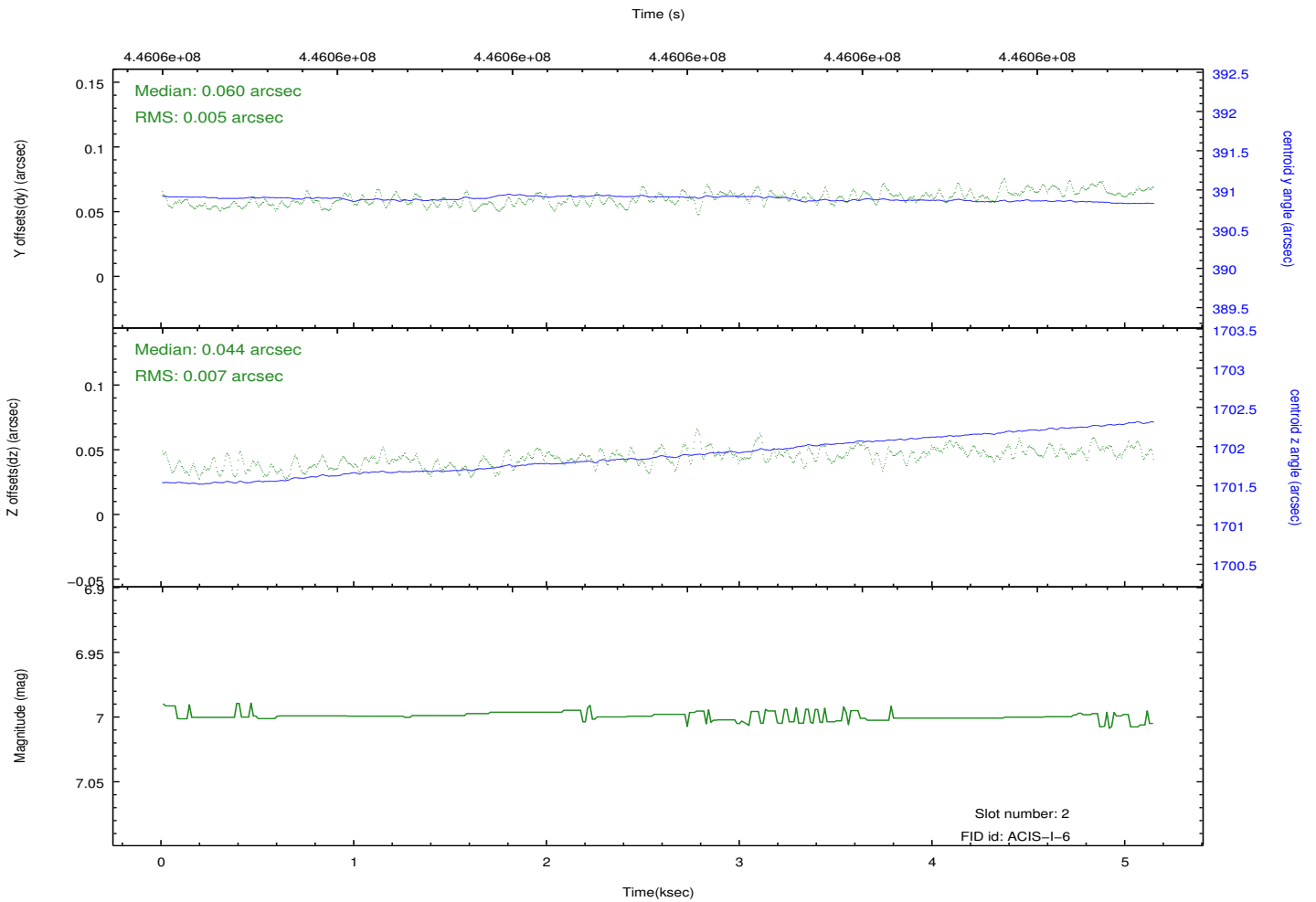
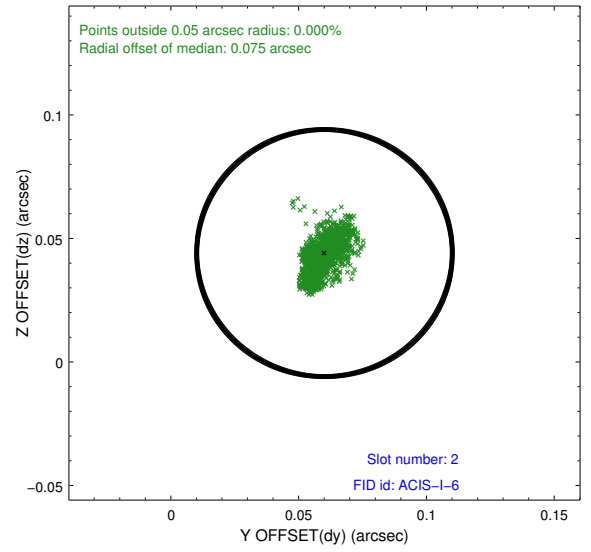
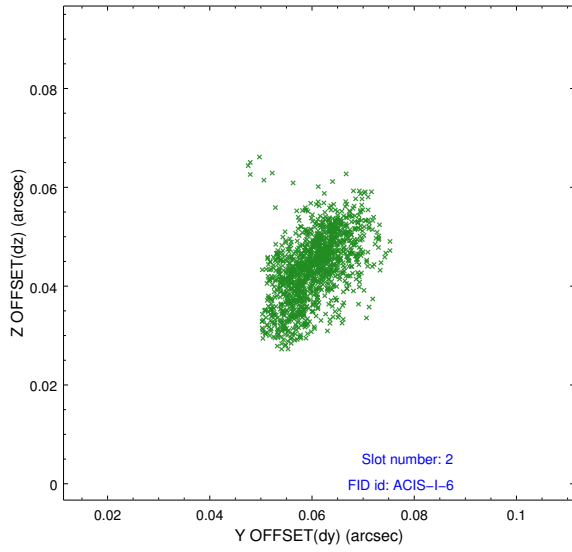
2.5.1 Slot 0



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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0902000391483

A.2 Comments