

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19666 - L2 Version 1
Chandra X-Ray Center

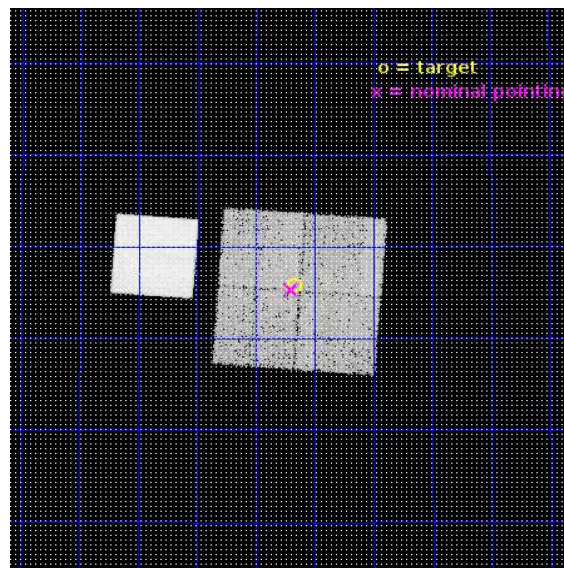
L2 Processing Date : Aug 26 2017

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1 Front

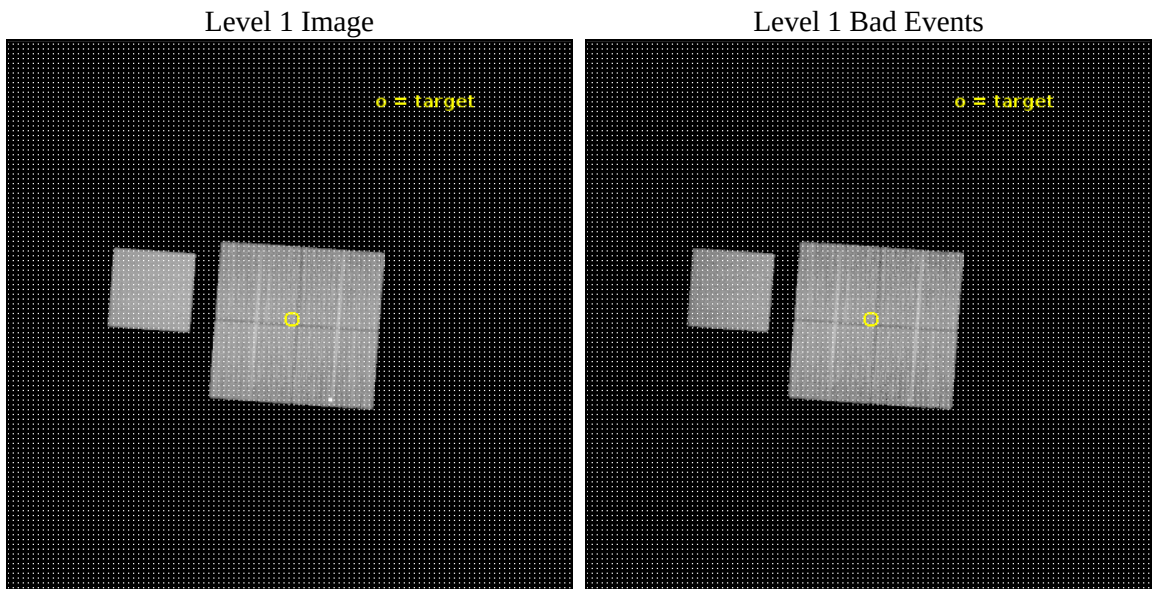
seq_num	901373	Sequence number
obs_id	19666	Observation id
title	The Chandra Deep Wide-Field Survey: Completing the new generation of Chandra extragalactic surveys	Proposal title
observer	Ryan Hickox	Principal investigator
object	CDWFS	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.54412	Observer's specified target RA [deg]
dec_targ	34.930096	Observer's specified target Dec [deg]
ra_nom	217.5498925565	Nominal RA [deg]
dec_nom	34.922230285055	Nominal Dec [deg]
roll_nom	274.20534611652	Nominal Roll [deg]
revision	1	Processing version of data
ontime	24796.859250546	Sum of GTIs [s]
livetime	24472.870029255	Livetime [s]
ontime0	24800.000190854	Sum of GTIs [s]
ontime1	24800.000190854	Sum of GTIs [s]
ontime2	24800.000190854	Sum of GTIs [s]
ontime3	24796.859250546	Sum of GTIs [s]
ontime7	24800.000190854	Sum of GTIs [s]
l2events	153354	Number of level 2 events



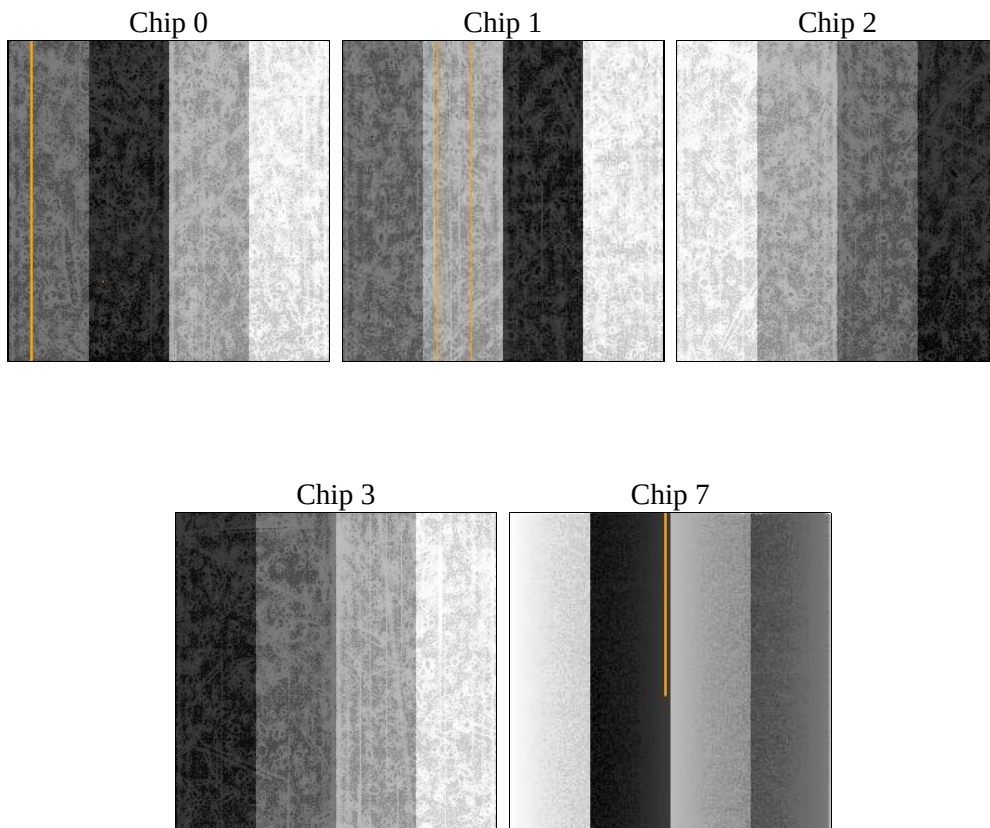
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	25022.233000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	24796.859250546	Sum of GTIs [s]
caldsver	4.7.6	 	ontime0	24800.000190854	Sum of GTIs [s]
date	2017-08-26T04:32:08	Date and time of file creation	ontime1	24800.000190854	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	24800.000190854	Sum of GTIs [s]
			ontime3	24796.859250546	Sum of GTIs [s]
			ontime7	24800.000190854	Sum of GTIs [s]
			l1events	854193	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	160193	155710	165849	158897	213544
rejected events	133550	135039	147768	140723	120823
rejected %	83%	86%	89%	88%	56%

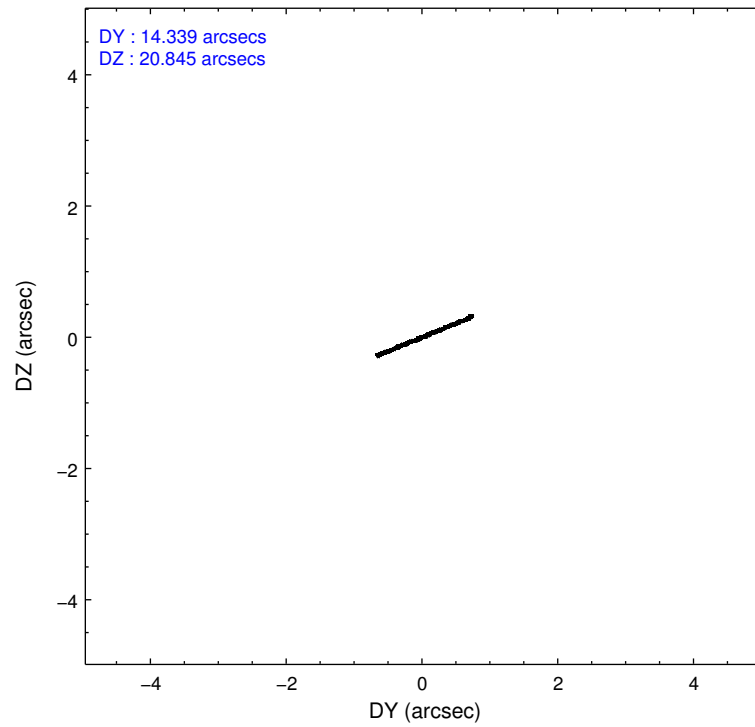
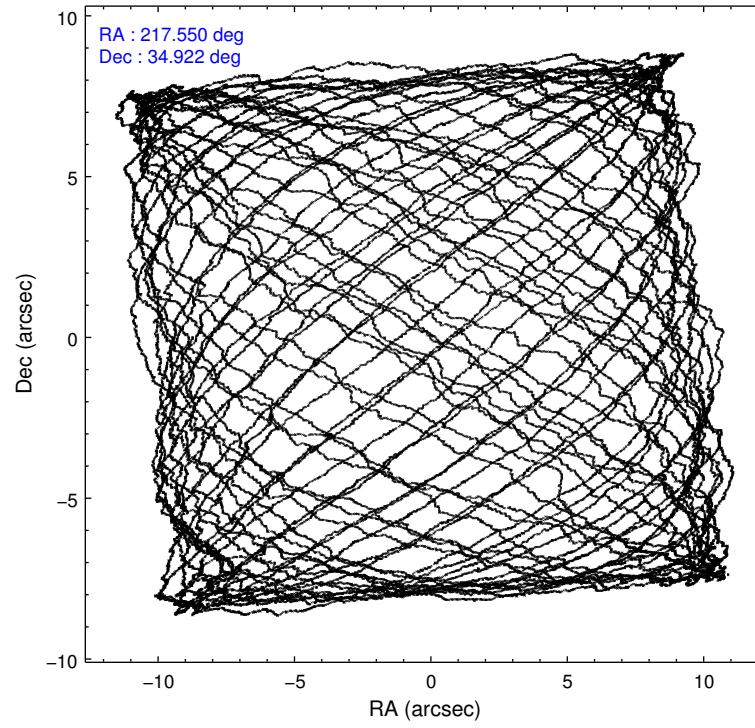
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	6965	7127	6395	6935	7876
	4%	4%	3%	4%	3%
grade 1 events	91	81	114	91	301
	0%	0%	0%	0%	0%
grade 2 events	12282	5352	4652	4038	19739
	7%	3%	2%	2%	9%
grade 3 events	1871	1985	1767	1721	7525
	1%	1%	1%	1%	3%
grade 4 events	1707	1903	1833	1837	7550
	1%	1%	1%	1%	3%
grade 5 events	6942	7473	6368	8024	21623
	4%	4%	3%	5%	10%
grade 6 events	3821	4306	3438	3648	50042
	2%	2%	2%	2%	23%
grade 7 events	126514	127483	141282	132603	98888
	78%	81%	85%	83%	46%

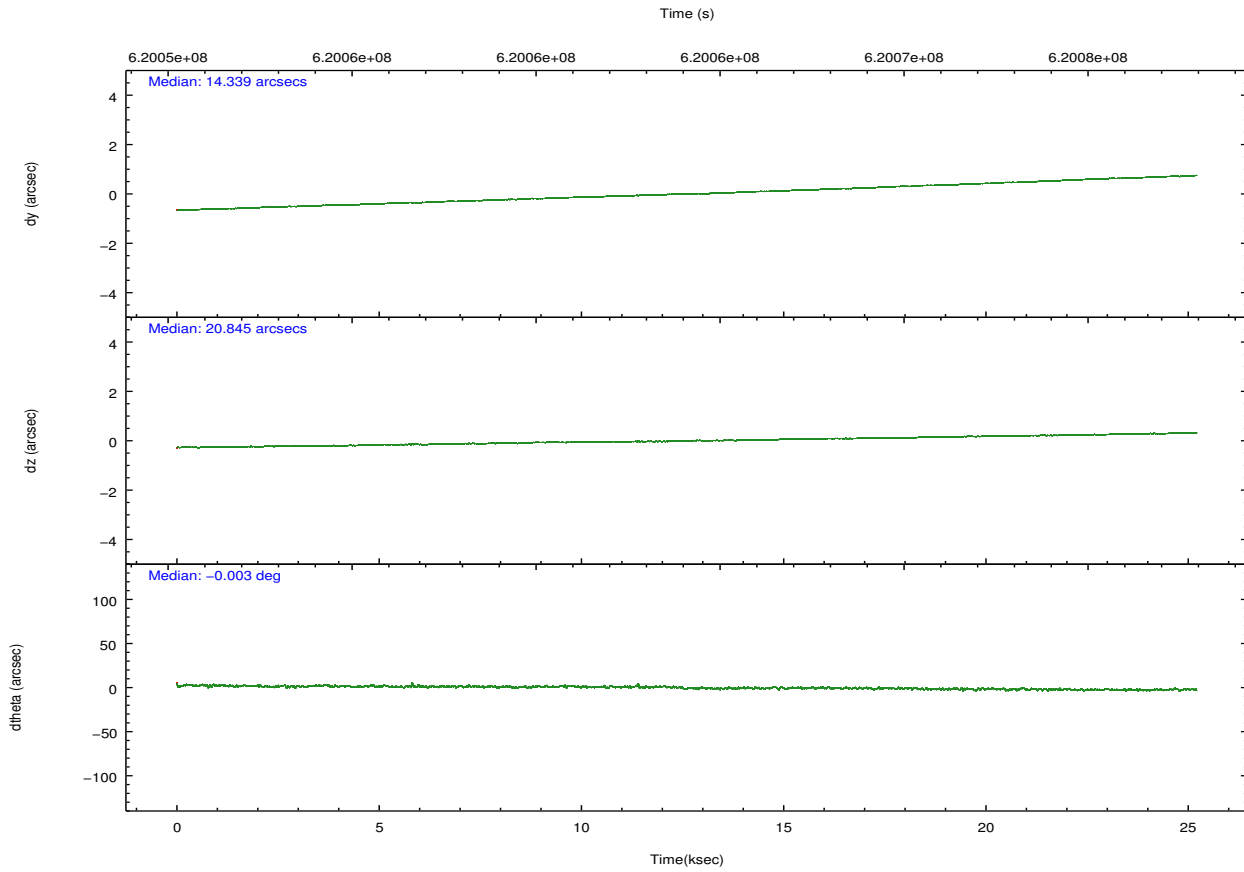
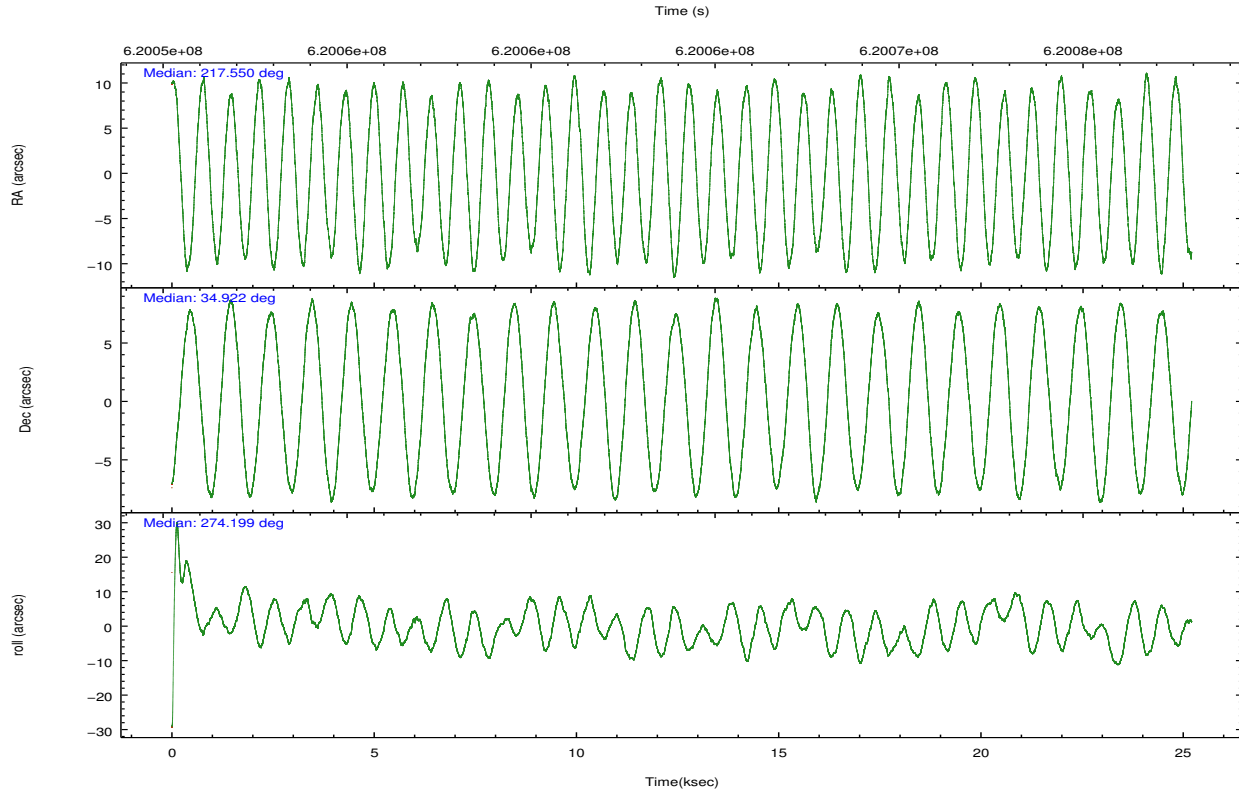
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01237	ACIS-01237
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	217.530864	217.5498925564999
[deg] Pointing Dec	34.945008	34.92223028505495
[deg] Pointing Roll	274.007596	274.2053461165195
[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)	620051691.184000	620051284.5387599
Observation start date	2017-08-25T12:33:42	2017-08-25T12:28:04
[s] Observation end time (MET)	620076713.184000	620076949.0027601
Observation end date	2017-08-25T19:30:44	2017-08-25T19:35:49
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	N	N
CCD S3 on	O1	Y
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



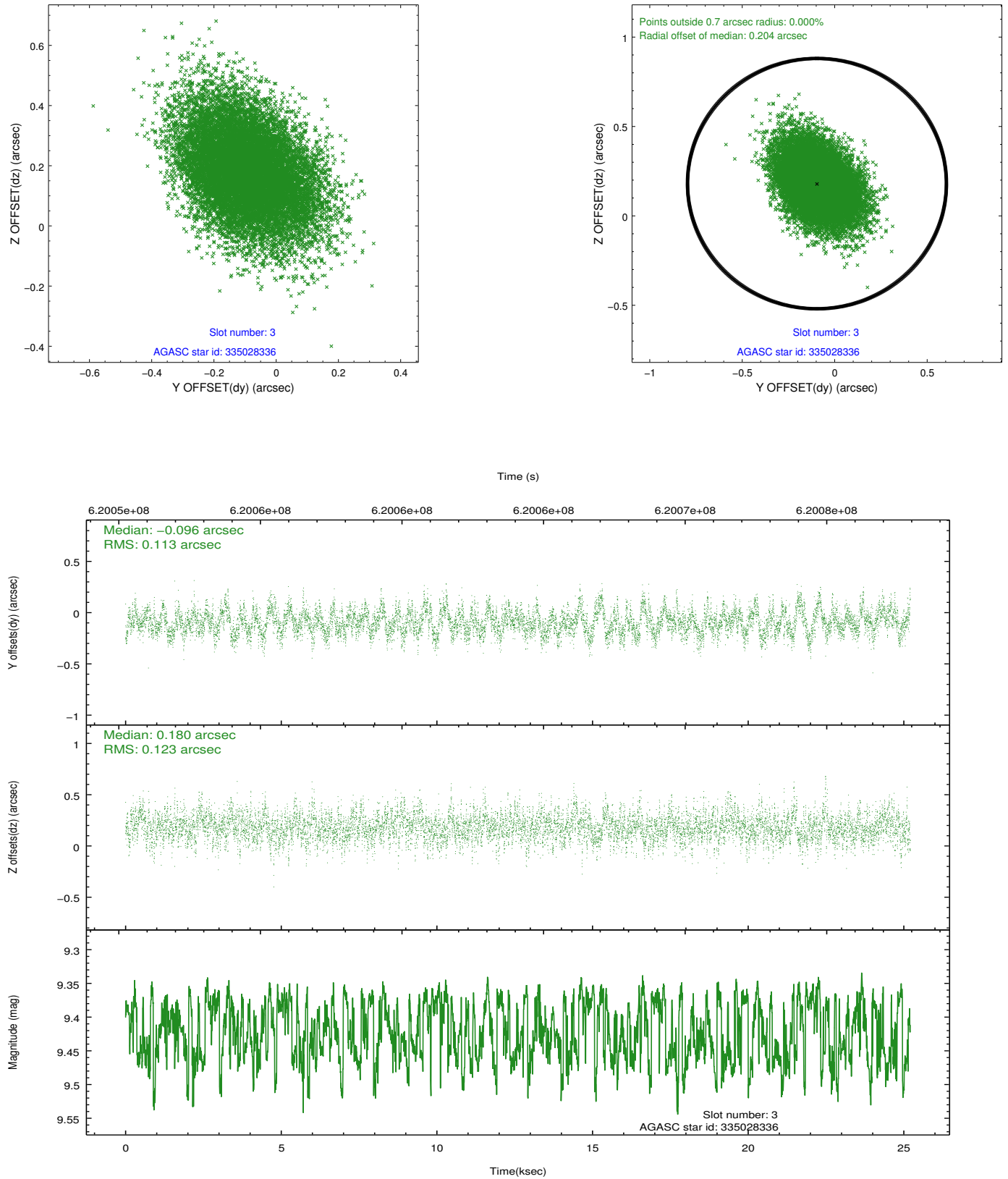


Slot Statistics

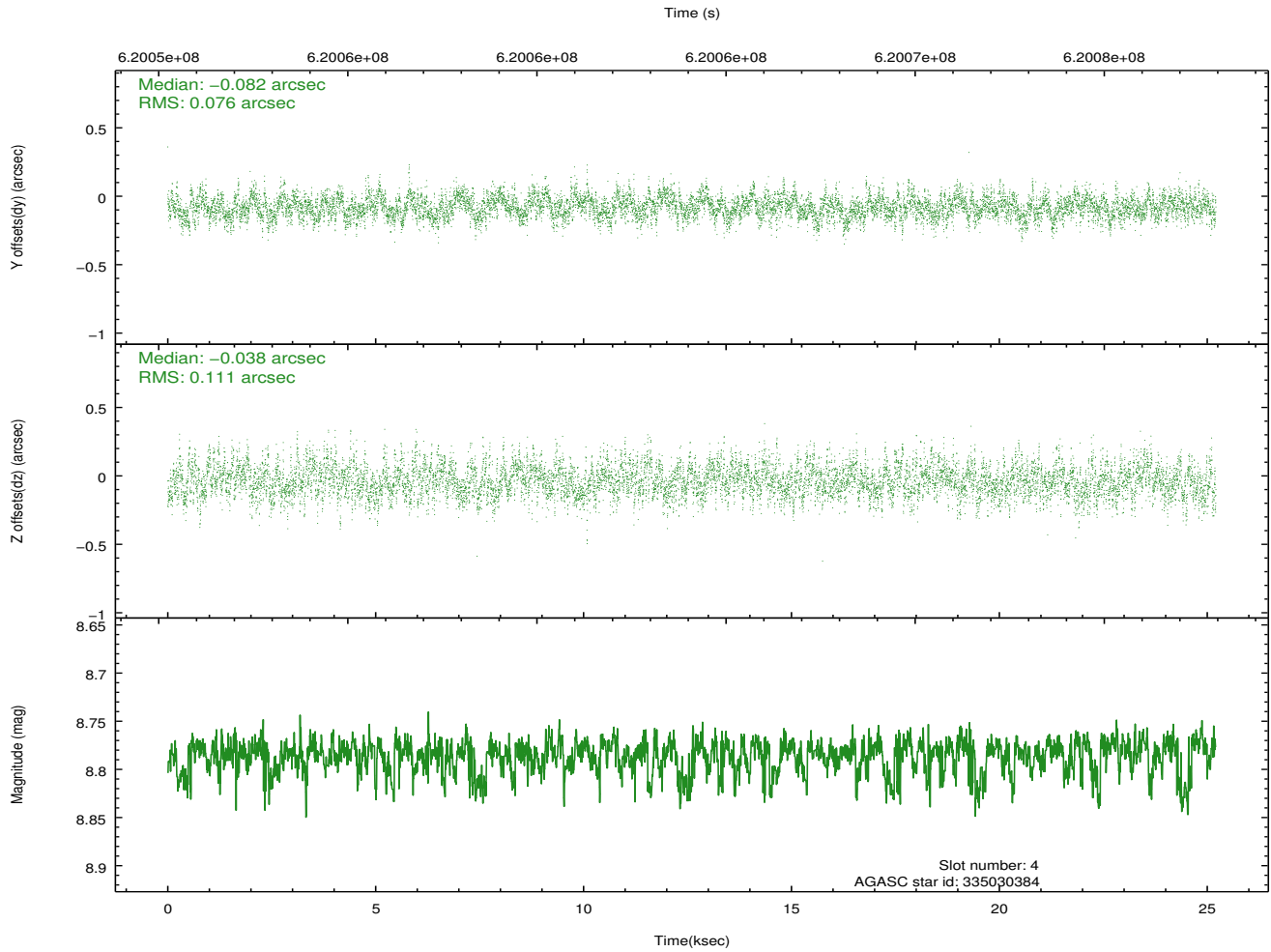
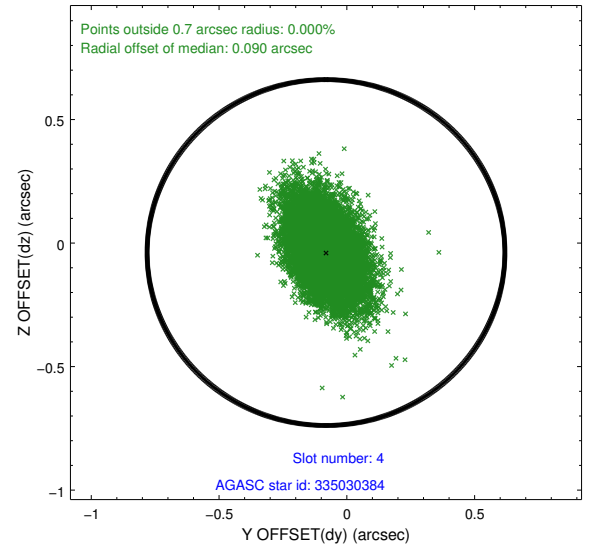
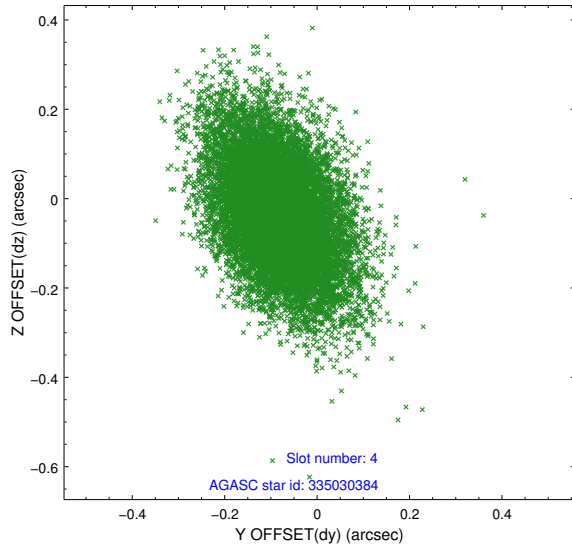
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.02	6148	-0.208	-0.023	0.016	0.028	0.000000	0.000000	-769.24	-851.01
1	FID		ACIS-I-4	7.05	6147	0.431	0.117	0.010	0.015	0.000000	0.000000	2145.36	1055.31
2	FID		ACIS-I-5	7.09	6147	-0.324	-0.025	0.014	0.022	0.000000	0.000000	-1823.08	1053.05
3	GUIDE	used	335028336	9.42	12282	-0.096	0.180	0.176	0.295	217.189840	34.665629	931.59	-1076.64
4	GUIDE	used	335030384	8.78	12291	-0.082	-0.038	0.139	0.242	216.806407	34.722197	643.41	-2193.39
5	GUIDE	used	335415168	9.71	12286	-0.078	0.081	0.197	0.348	217.681296	35.301767	-1250.69	528.77
6	GUIDE	used	335417968	9.35	12284	0.304	-0.279	0.184	0.306	217.358149	35.055285	-431.25	-479.70
7	GUIDE	used	335422272	9.42	12279	-0.057	0.039	0.171	0.283	217.586135	35.522660	-2063.46	307.56

2.4 Star Slots

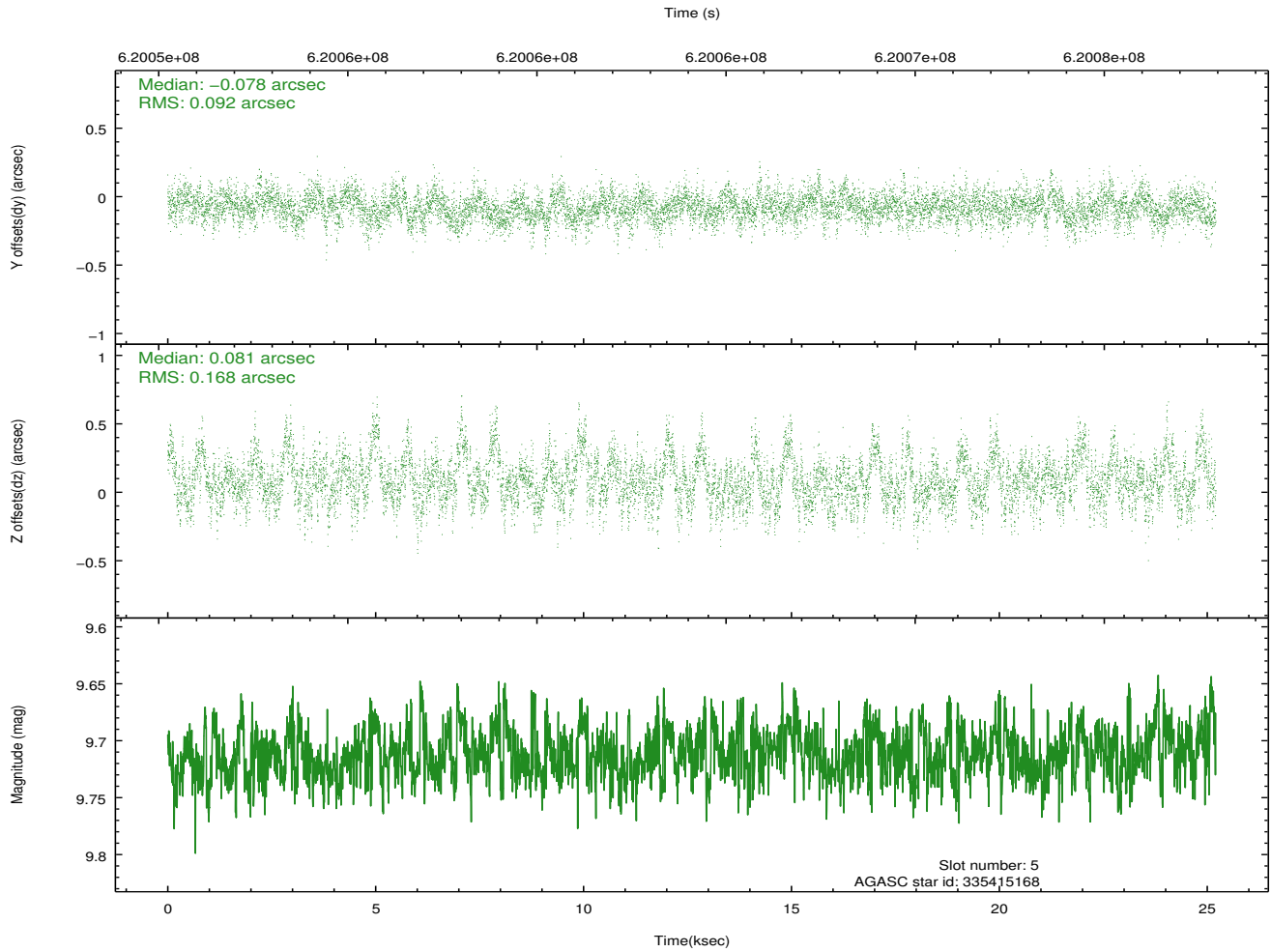
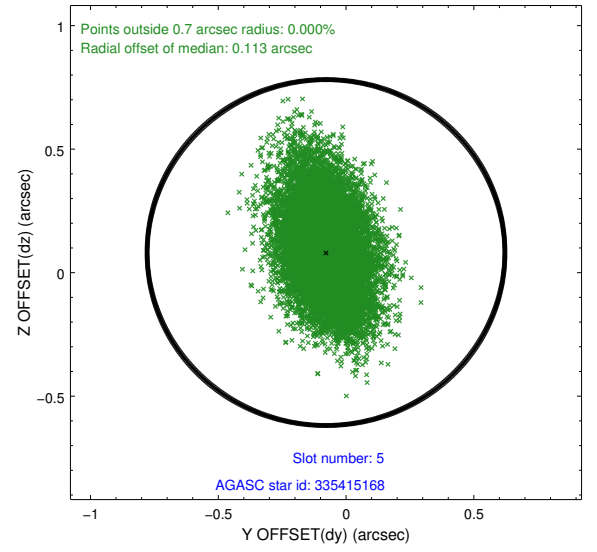
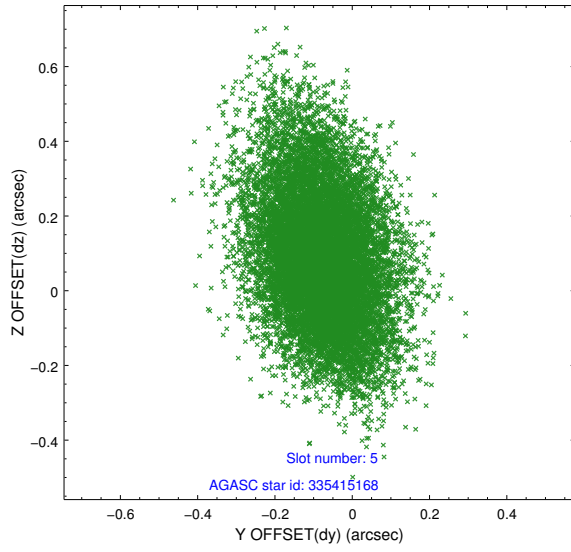
2.4.1 Slot 3



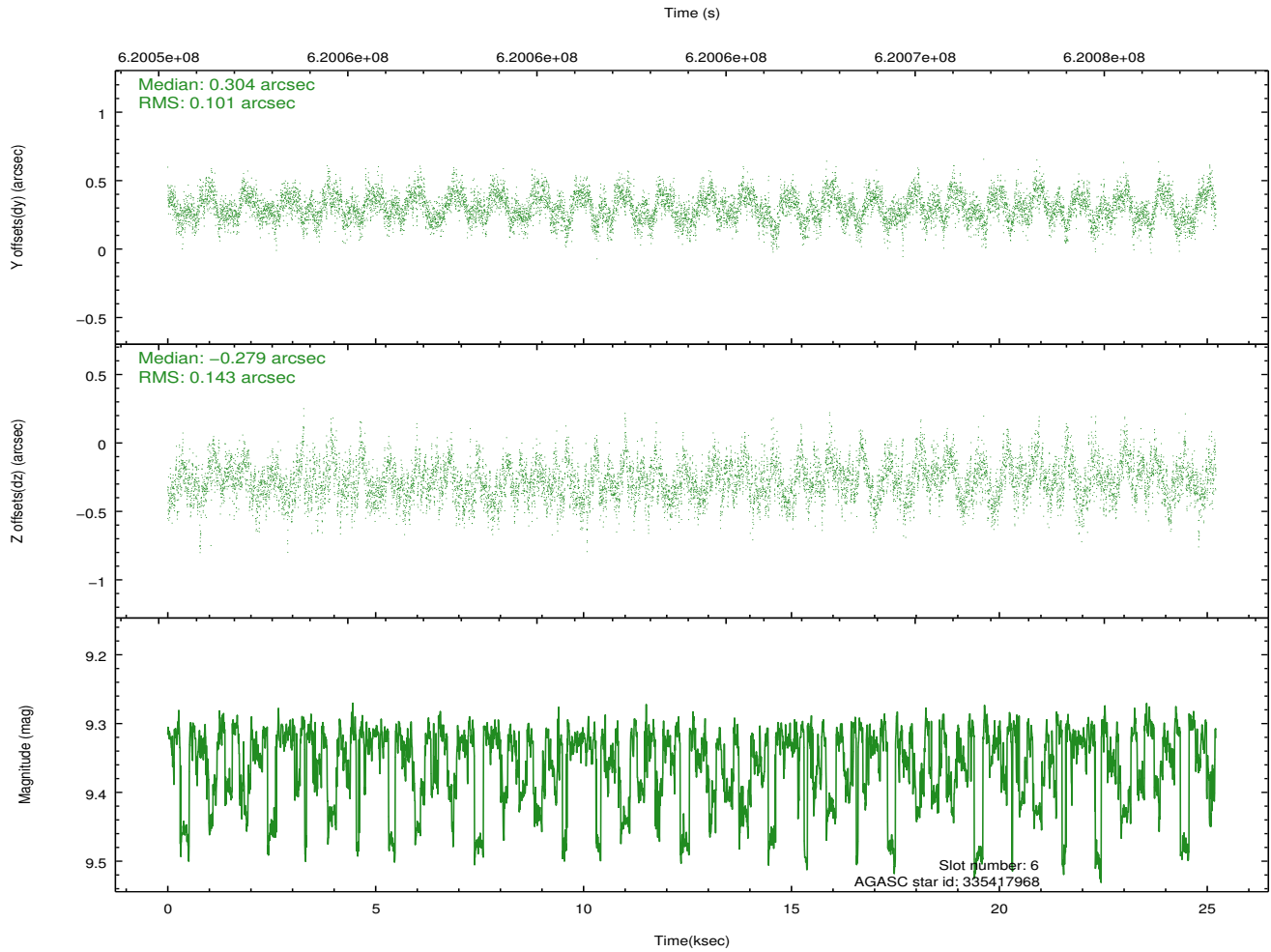
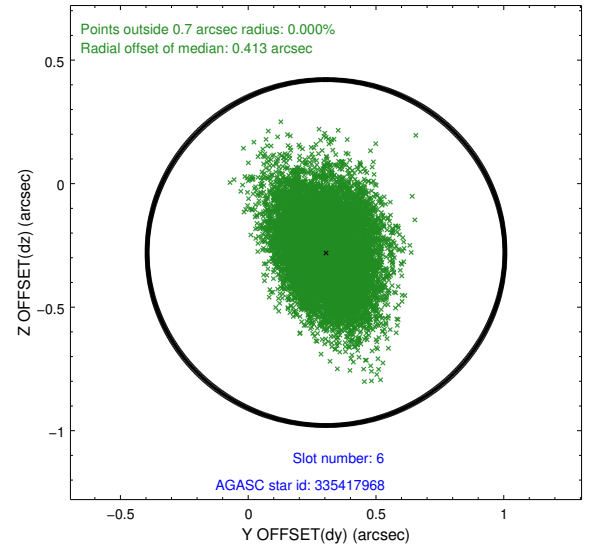
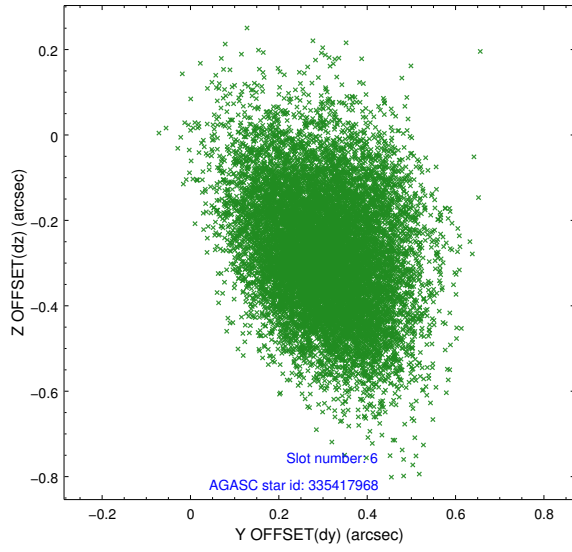
2.4.2 Slot 4



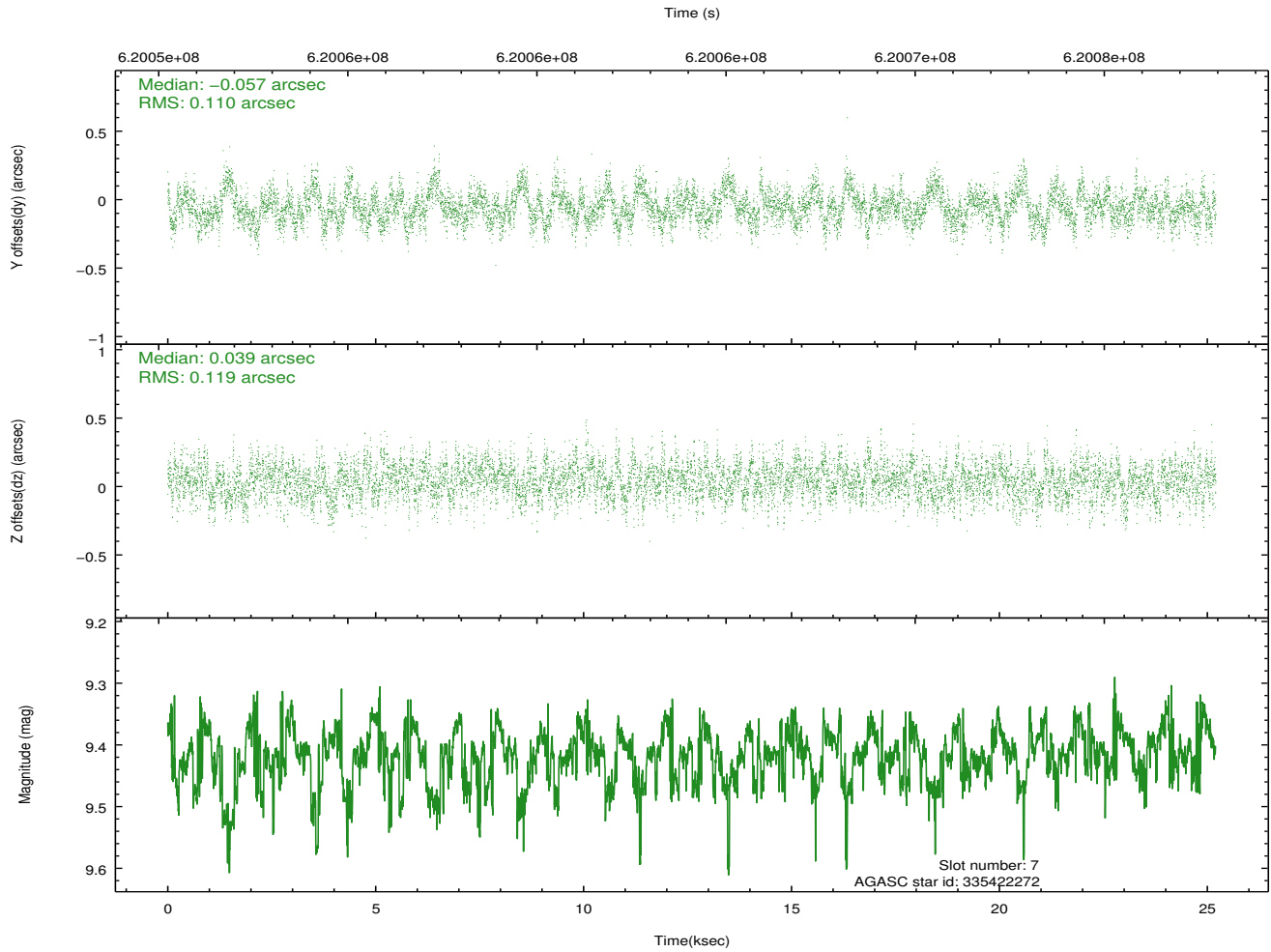
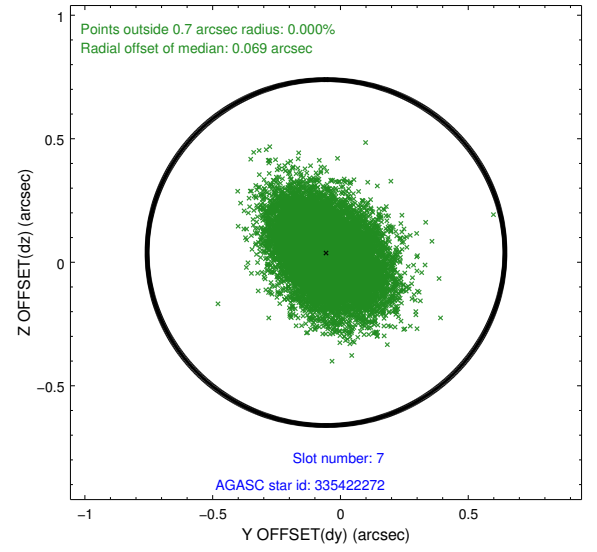
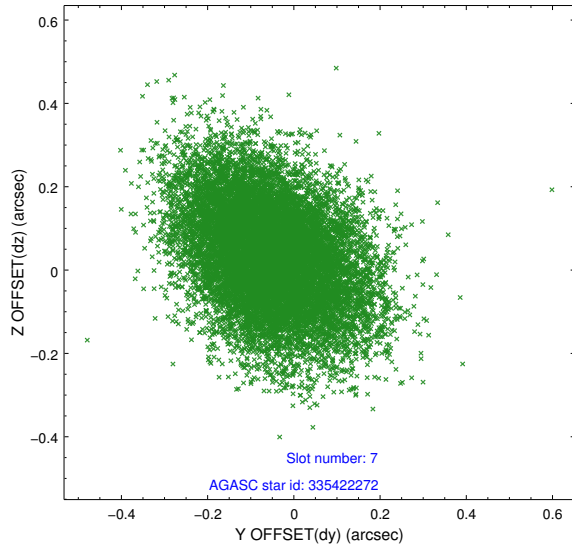
2.4.3 Slot 5



2.4.4 Slot 6

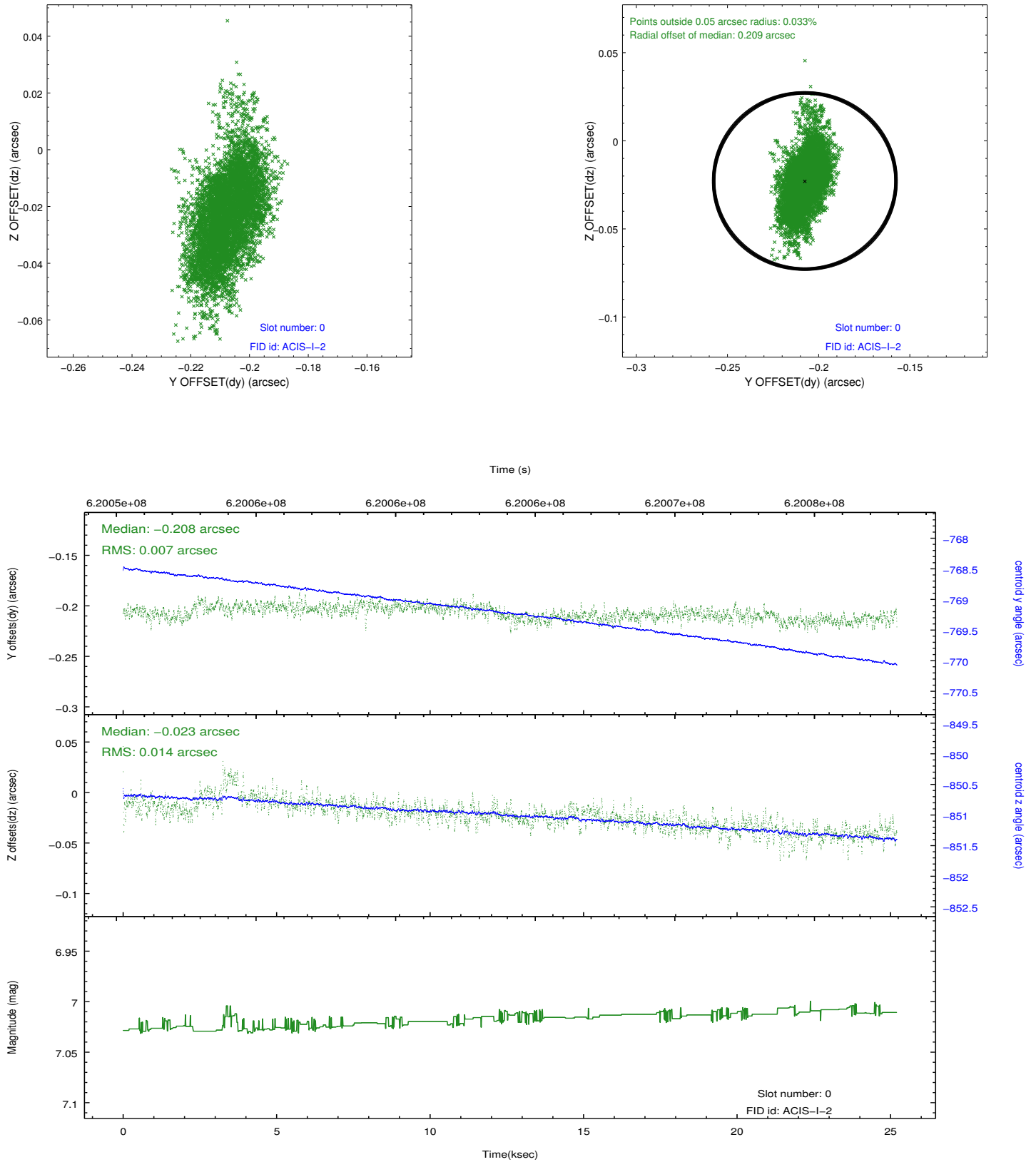


2.4.5 Slot 7

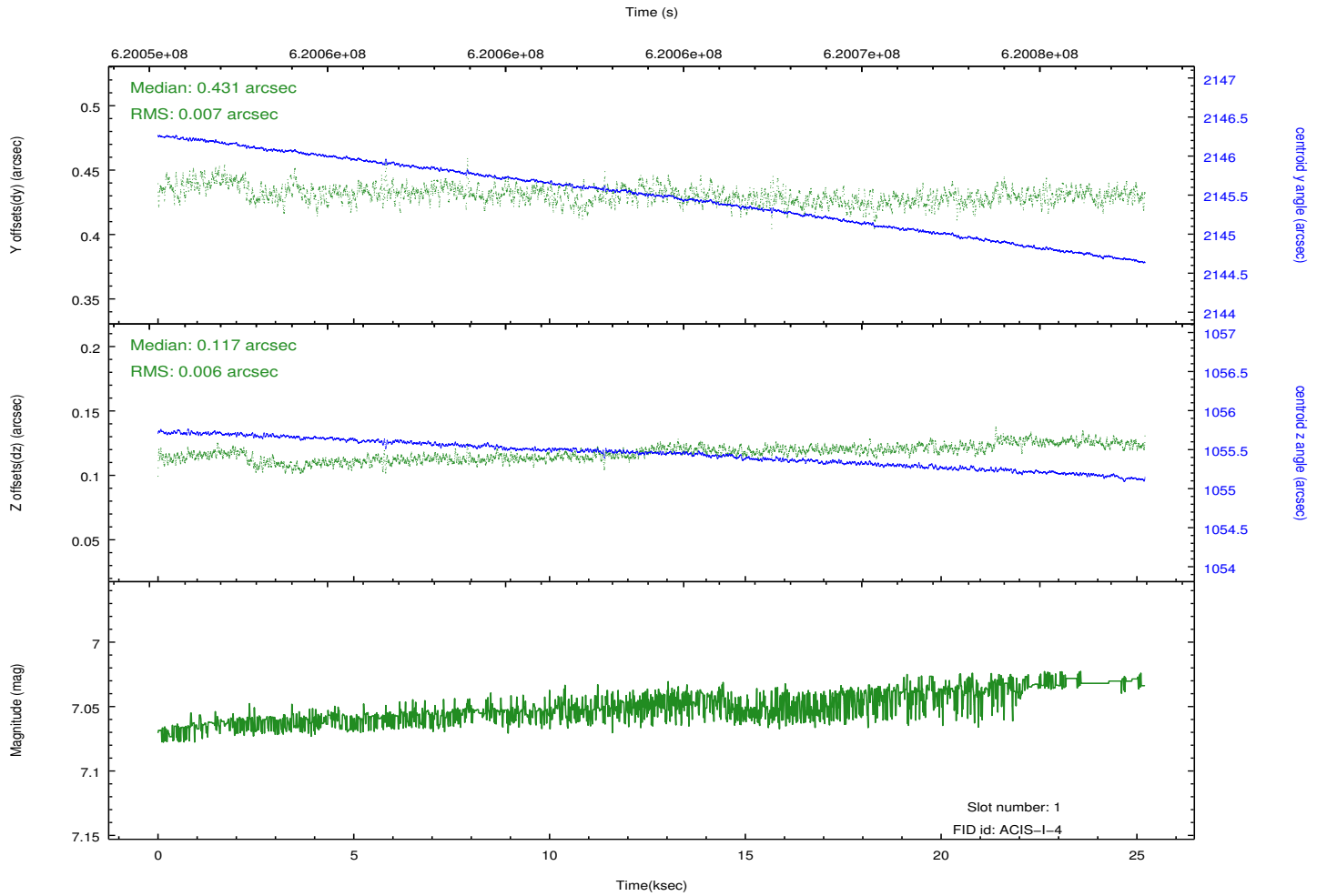
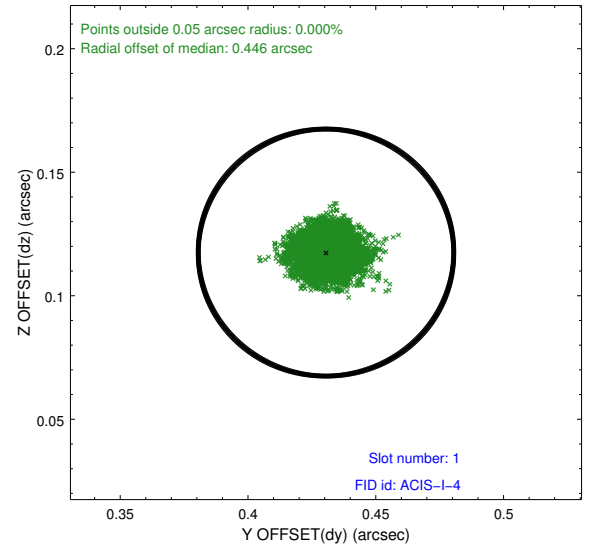
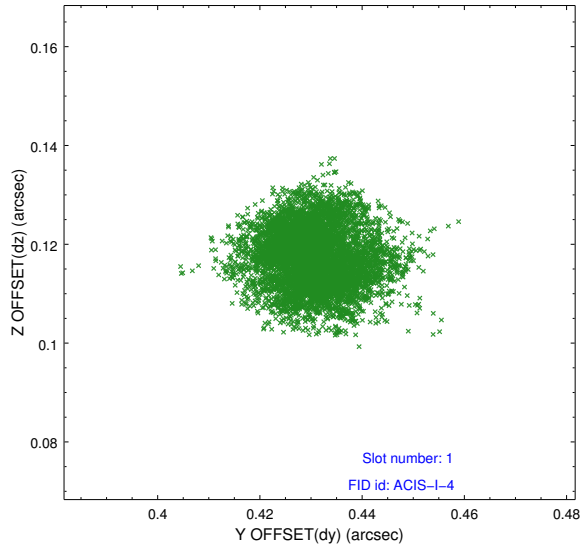


2.5 FID Slots

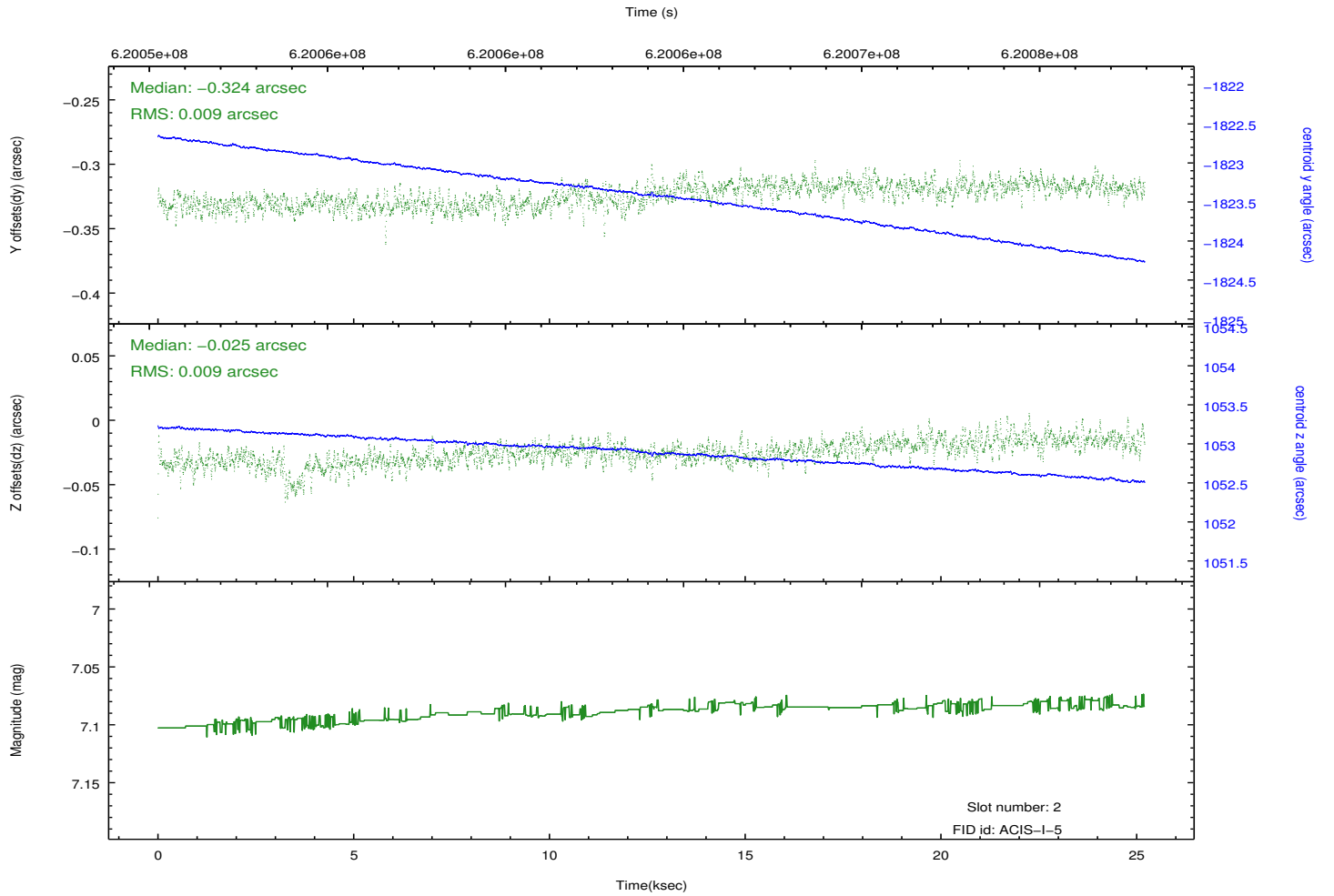
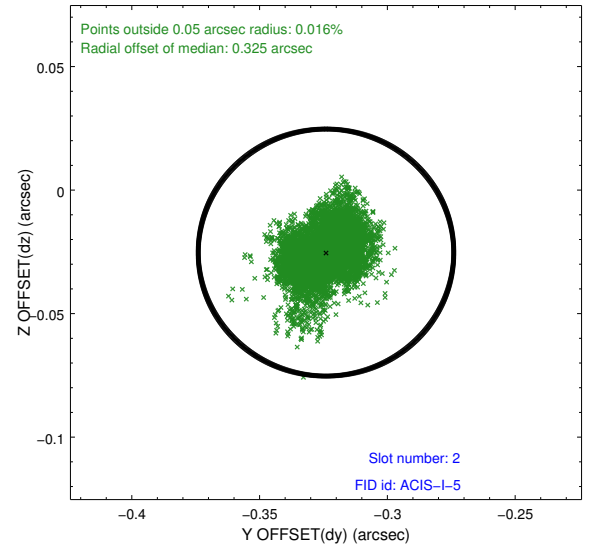
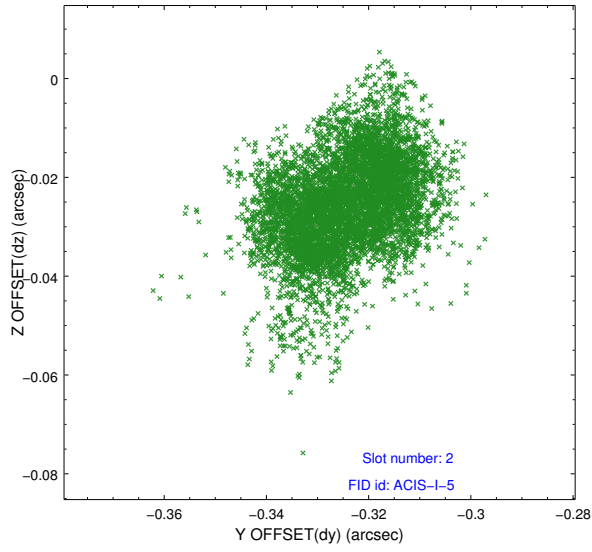
2.5.1 Slot 0



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)	2017.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.796859250546

A.2 Comments