

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 21381 - L2 Version 1
Chandra X-Ray Center

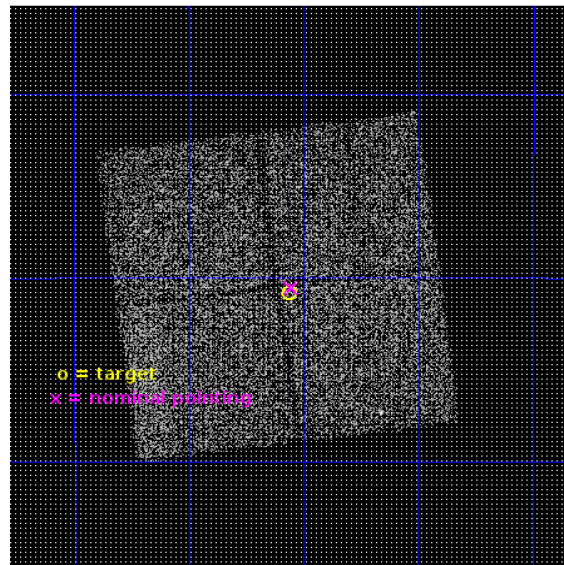
L2 Processing Date : Nov 30 2018

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1 Front

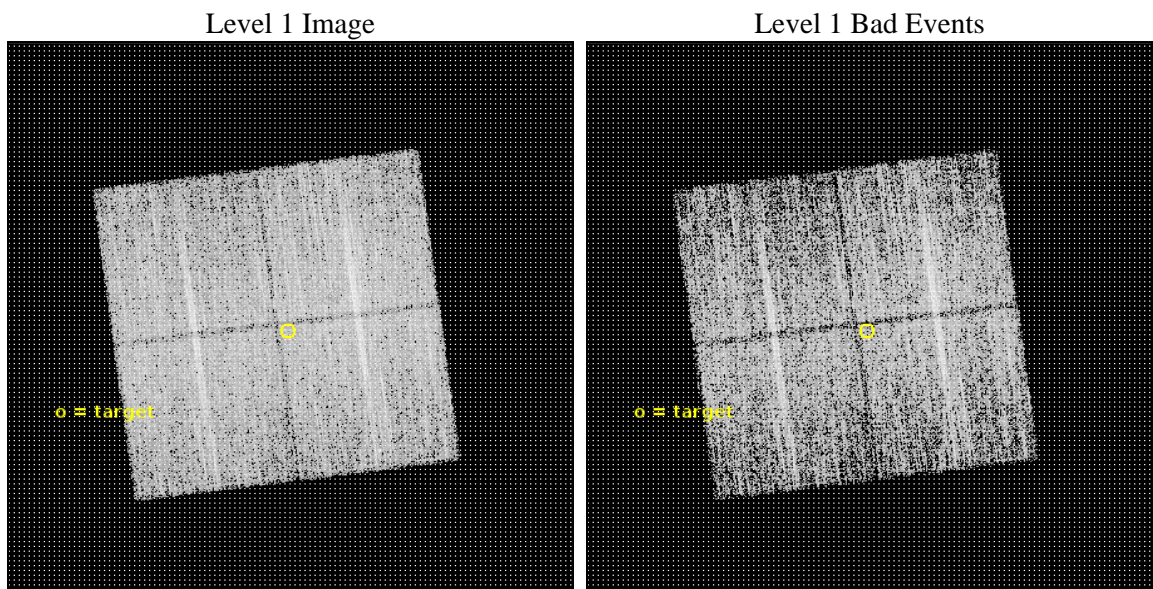
seq_num	601433	Sequence number
obs_id	21381	Observation id
title	MISSING BARYONS AND THE WARM-HOT CIRCUMGALACTIC MEDIUM OF THE MILKY WAY	Proposal title
observer	Anjali Gupta	Principal investigator
object	Off-field4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	173.765833	Observer's specified target RA [deg]
dec_targ	-36.847778	Observer's specified target Dec [deg]
ra_nom	173.76330157582	Nominal RA [deg]
dec_nom	-36.842517367479	Nominal Dec [deg]
roll_nom	82.520571137232	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10075.000077605	Sum of GTIs [s]
livetime	9943.3627844842	Livetime [s]
ontime0	10075.000077605	Sum of GTIs [s]
ontime1	10075.000077605	Sum of GTIs [s]
ontime2	10075.000077605	Sum of GTIs [s]
ontime3	10075.000077605	Sum of GTIs [s]
l2events	28217	Number of level 2 events



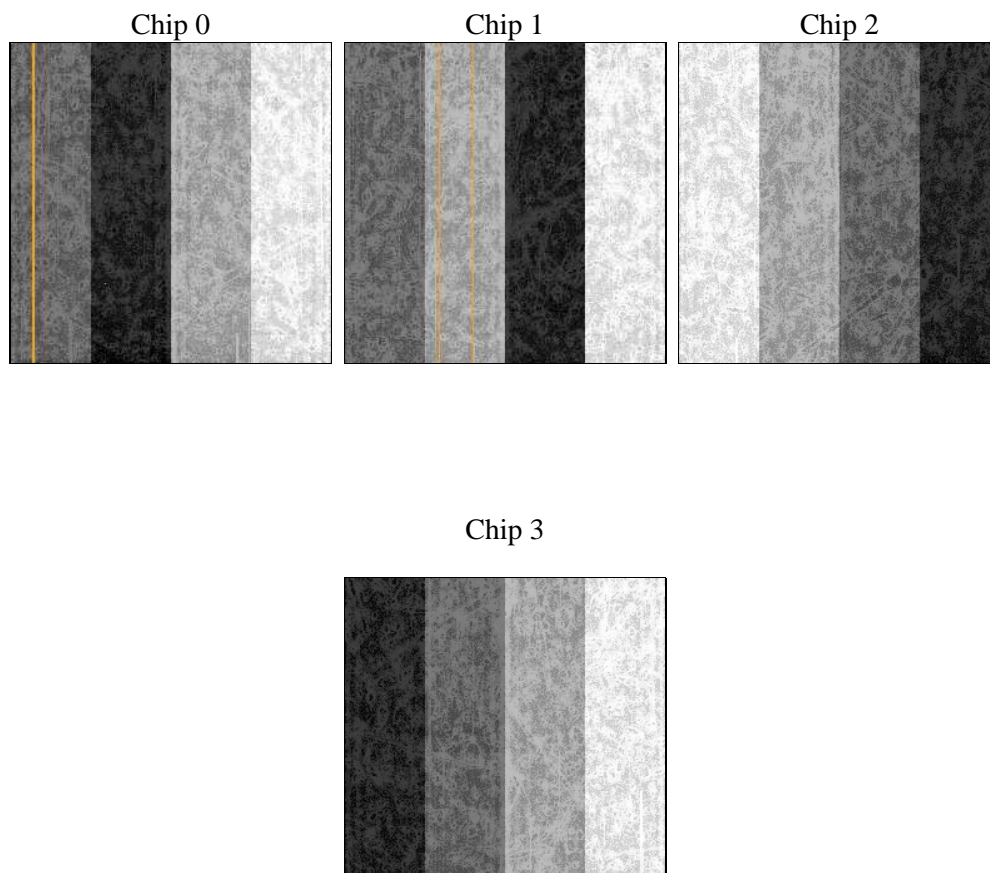
2 OBI

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	10.7	Processing system revision	ontime	10075.000077605	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime0	10075.000077605	Sum of GTIs [s]
date	2018-11-30T05:00:00	Date and time of file creation	ontime1	10075.000077605	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	10075.000077605	Sum of GTIs [s]
			ontime3	10075.000077605	Sum of GTIs [s]
			l1events	309283	Number of level 1 events

2.1.4 Events

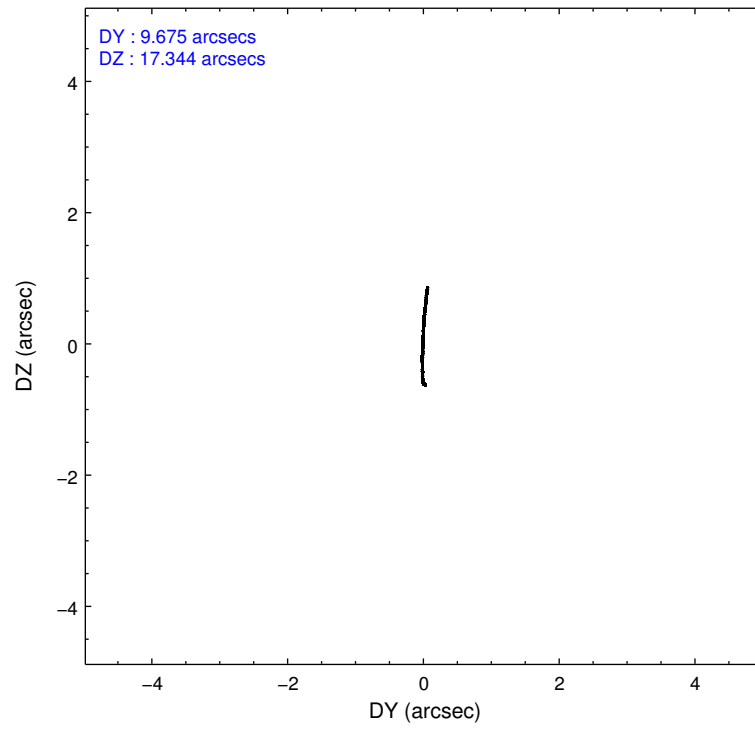
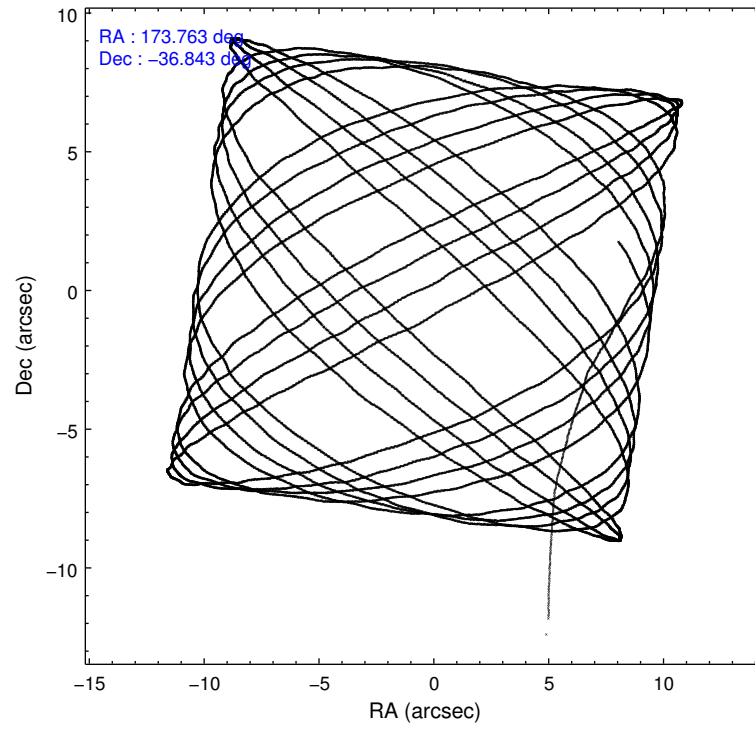
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	71761	74060	84863	78599
rejected events	63258	64706	76733	70785
rejected %	88%	87%	90%	90%

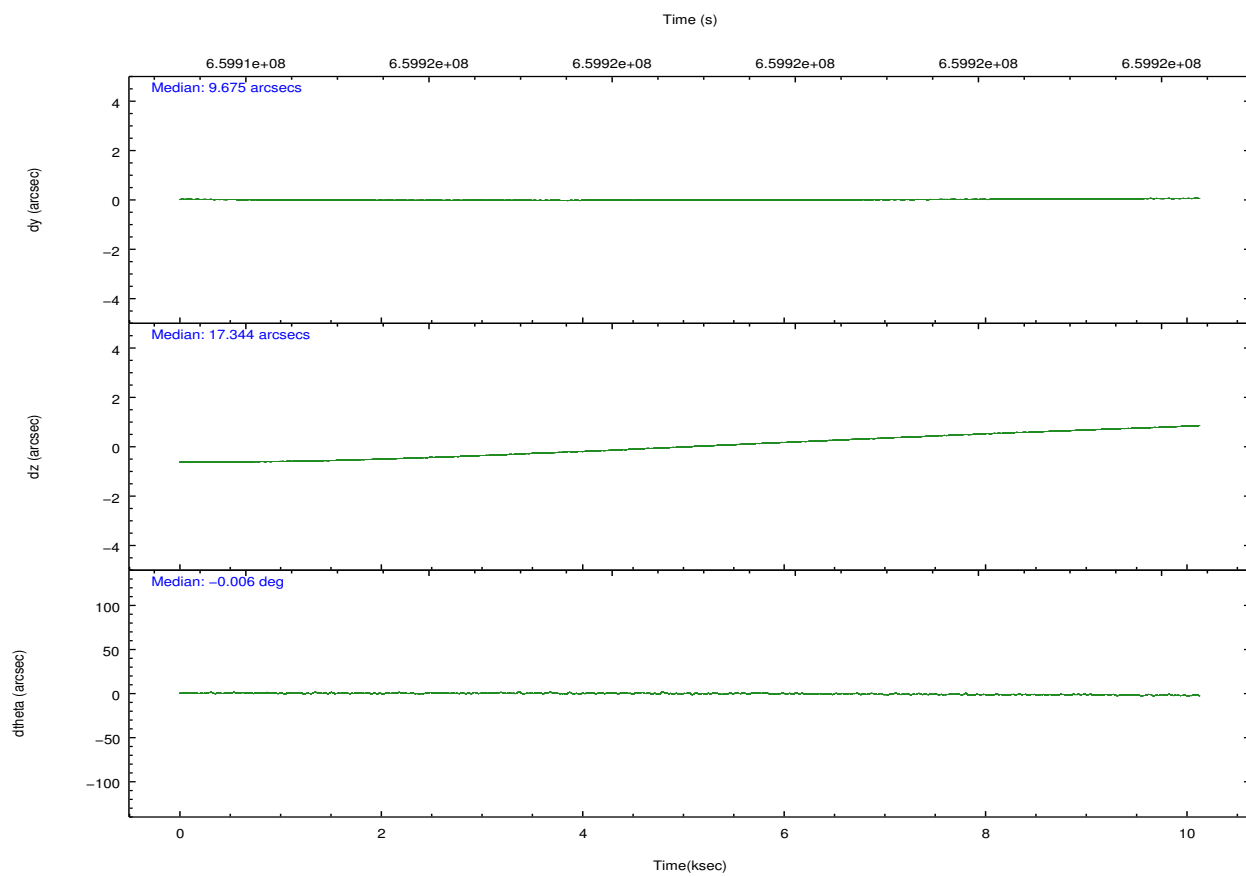
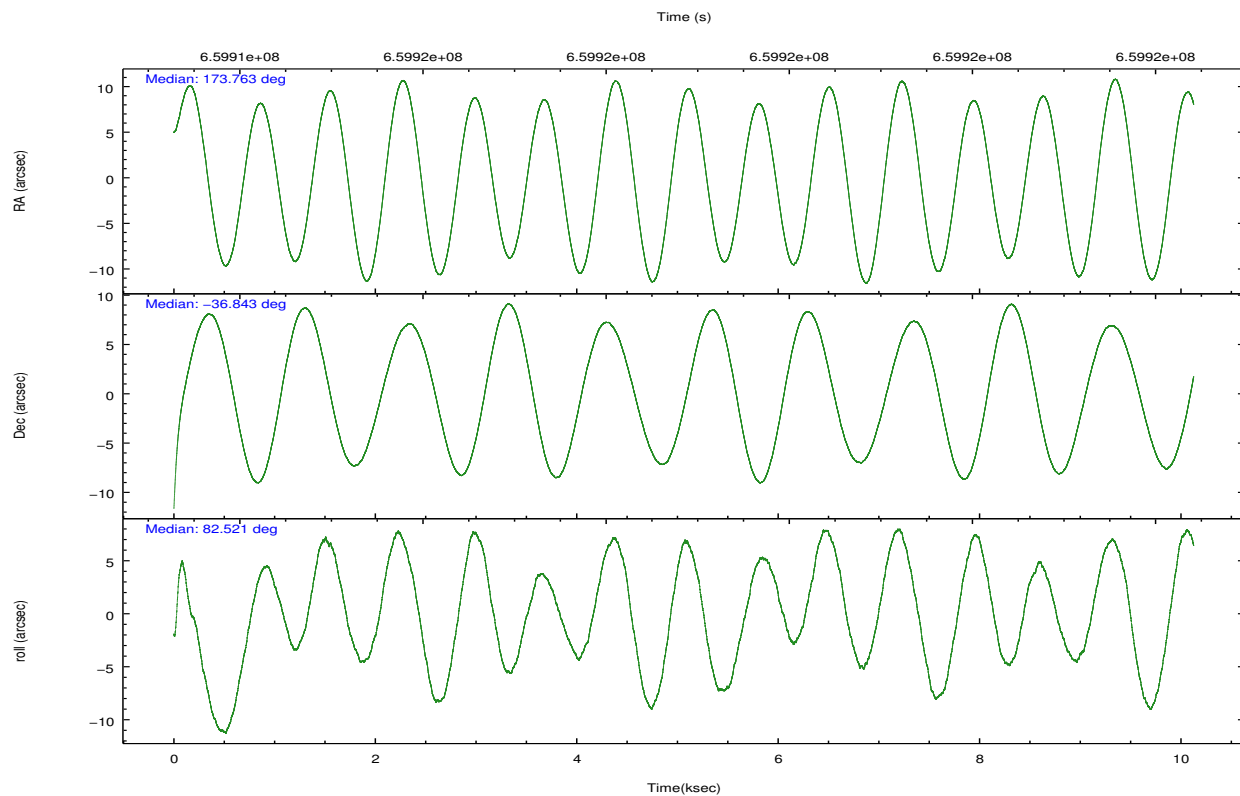
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2788	2911	2921	2714
	3%	3%	3%	3%
grade 1 events	29	30	34	36
	0%	0%	0%	0%
grade 2 events	2127	2591	1991	1720
	2%	3%	2%	2%
grade 3 events	916	897	807	804
	1%	1%	0%	1%
grade 4 events	787	801	842	904
	1%	1%	0%	1%
grade 5 events	3191	3223	2894	3533
	4%	4%	3%	4%
grade 6 events	1895	2158	1571	1680
	2%	2%	1%	2%
grade 7 events	60028	61449	73803	67208
	83%	82%	86%	85%

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	173.776579	173.7633015758221	Subarray requested	NONE	NONE
[deg] Pointing Dec	-36.867959	-36.84251736747942	Alternating exposures requested	N	N
[deg] Pointing Roll	82.319866	82.52057113723205	[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)	659913941.184000	659912720.55918			
Observation start date	2018-11-29T21:24:32	2018-11-29T21:05:20			
[s] Observation end time (MET)	659923941.184000	659925170.72242			
Observation end date	2018-11-30T00:11:12	2018-11-30T00:32:50			
Read mode	TIMED	TIMED			

2.3 Aspect



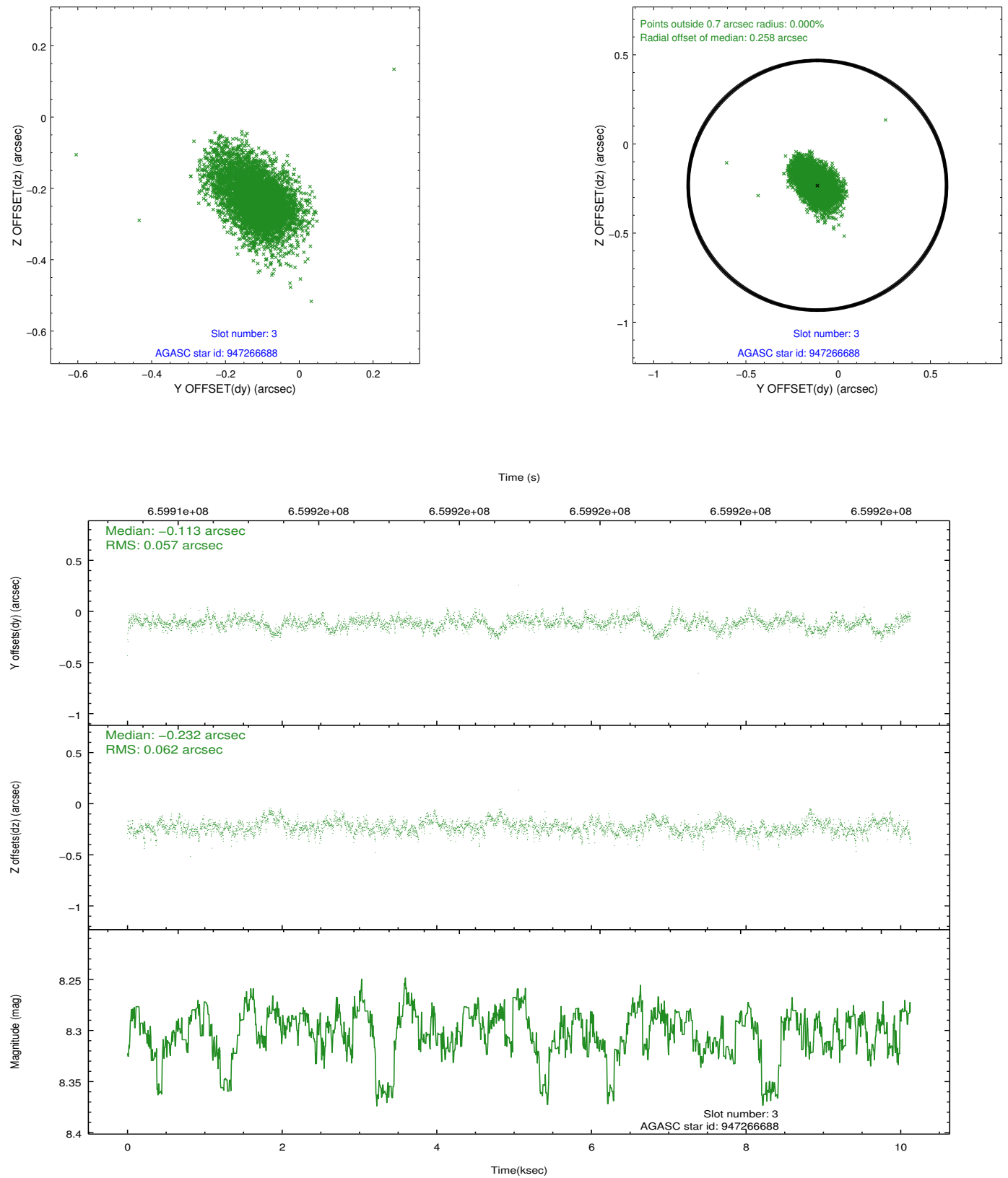


Slot Statistics

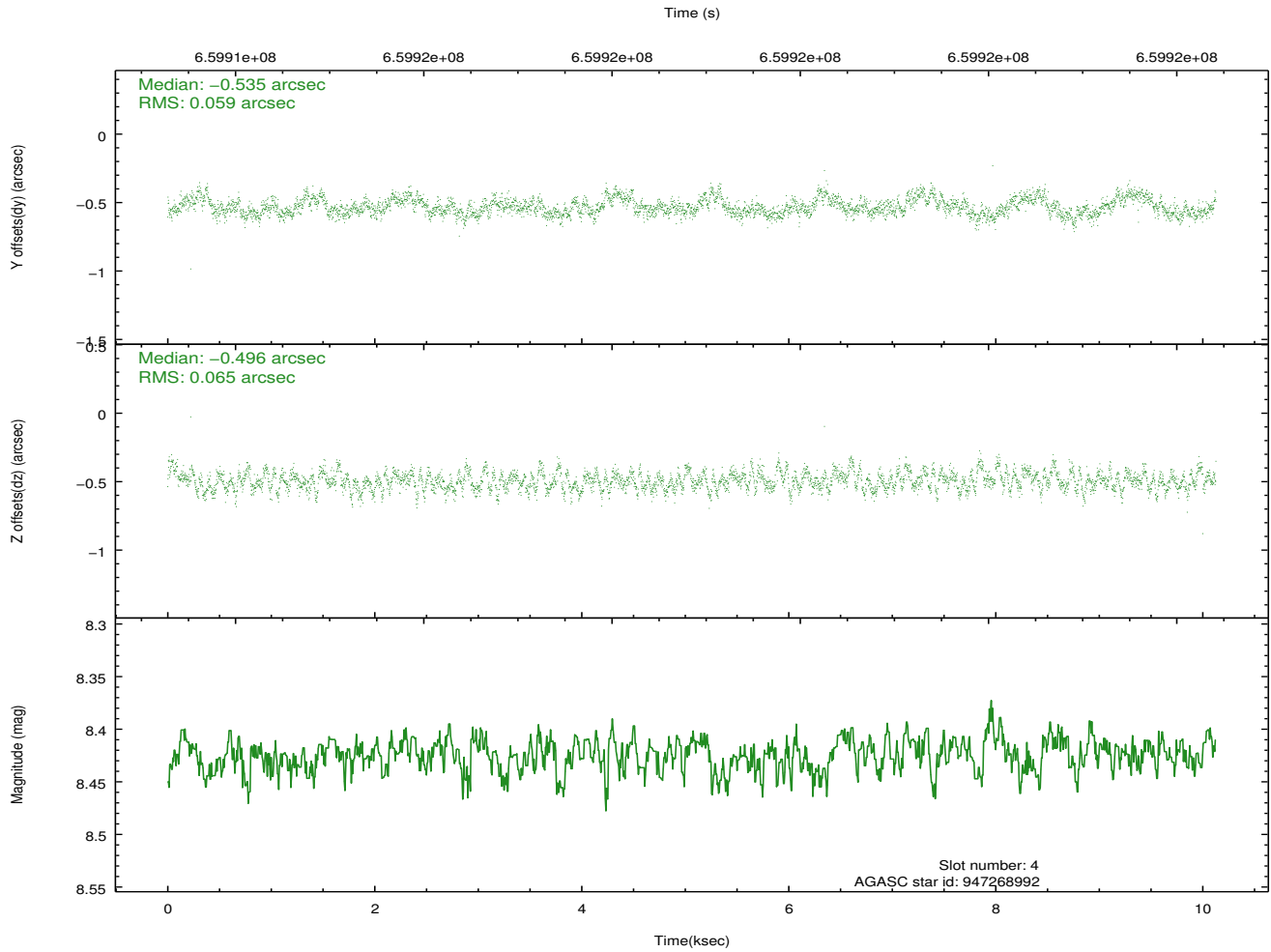
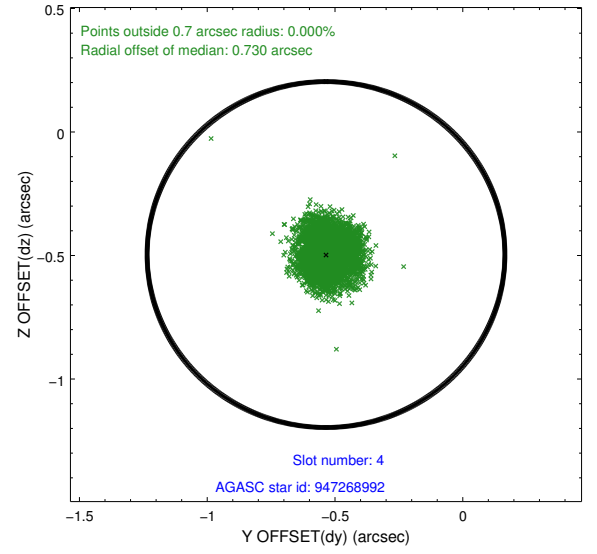
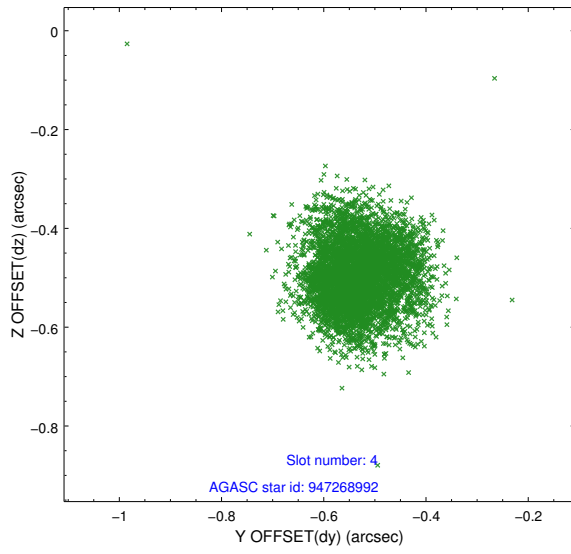
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	2470	1.000	0.109	-0.118	0.035	0.052	0.000000	0.000000	930.10	-841
1	FID		ACIS-I-5	7.22	2470	1.000	-0.467	0.024	0.008	0.013	0.000000	0.000000	-1818.44	1056
2	FID		ACIS-I-6	7.20	2470	1.000	0.267	0.163	0.039	0.051	0.000000	0.000000	395.03	1701
3	GUIDE	used	947266688	8.30	4939	1.000	-0.113	-0.232	0.086	0.151	173.053693	-36.969721	-648.87	2010
4	GUIDE	used	947268992	8.42	4936	1.000	-0.535	-0.496	0.093	0.148	173.096418	-36.323324	1672.01	2216
5	GUIDE	used	947390184	7.12	4939	1.000	-0.515	-0.288	0.085	0.136	173.589093	-36.204559	2293.15	859
6	GUIDE	used	947402904	6.75	4940	1.000	0.516	0.477	0.124	0.194	174.169681	-37.237184	-1168.00	-1293
7	GUIDE	used	947388944	9.11	4929	1.000	0.649	0.552	0.121	0.195	173.946026	-37.468256	-2076.74	-767

2.4 Star Slots

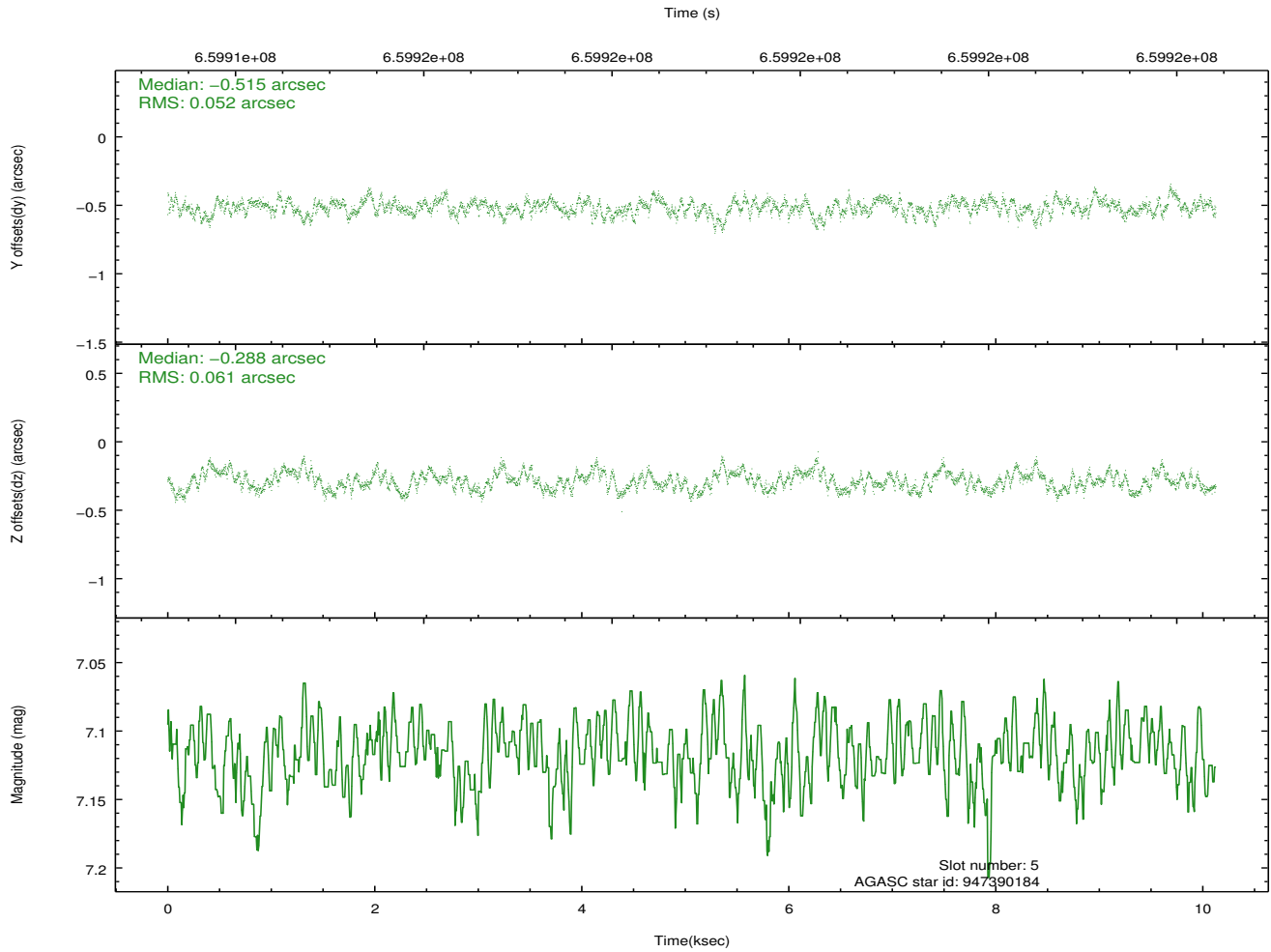
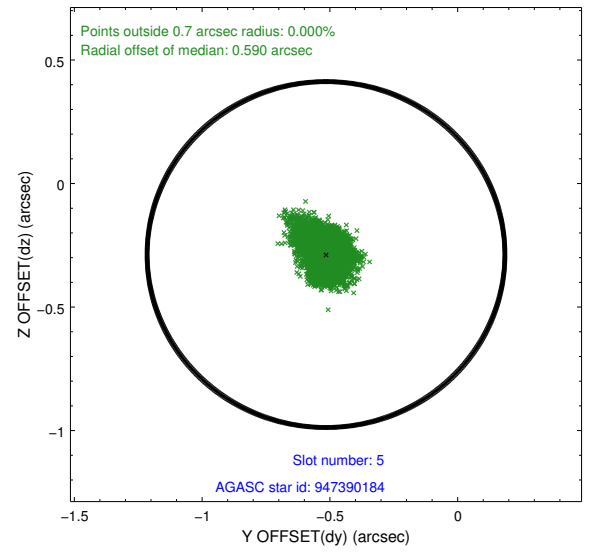
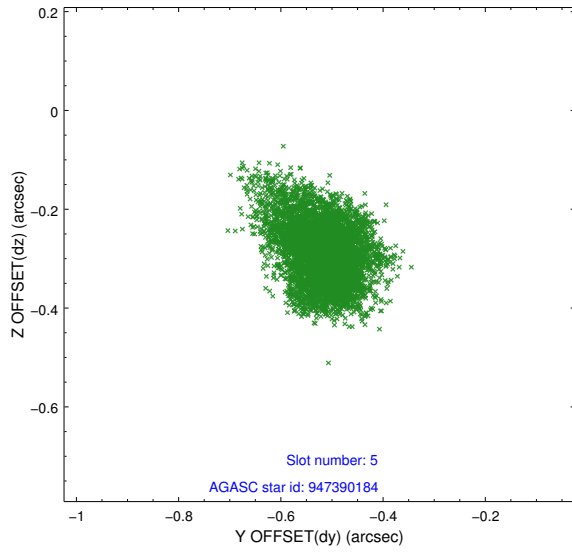
2.4.1 Slot 3



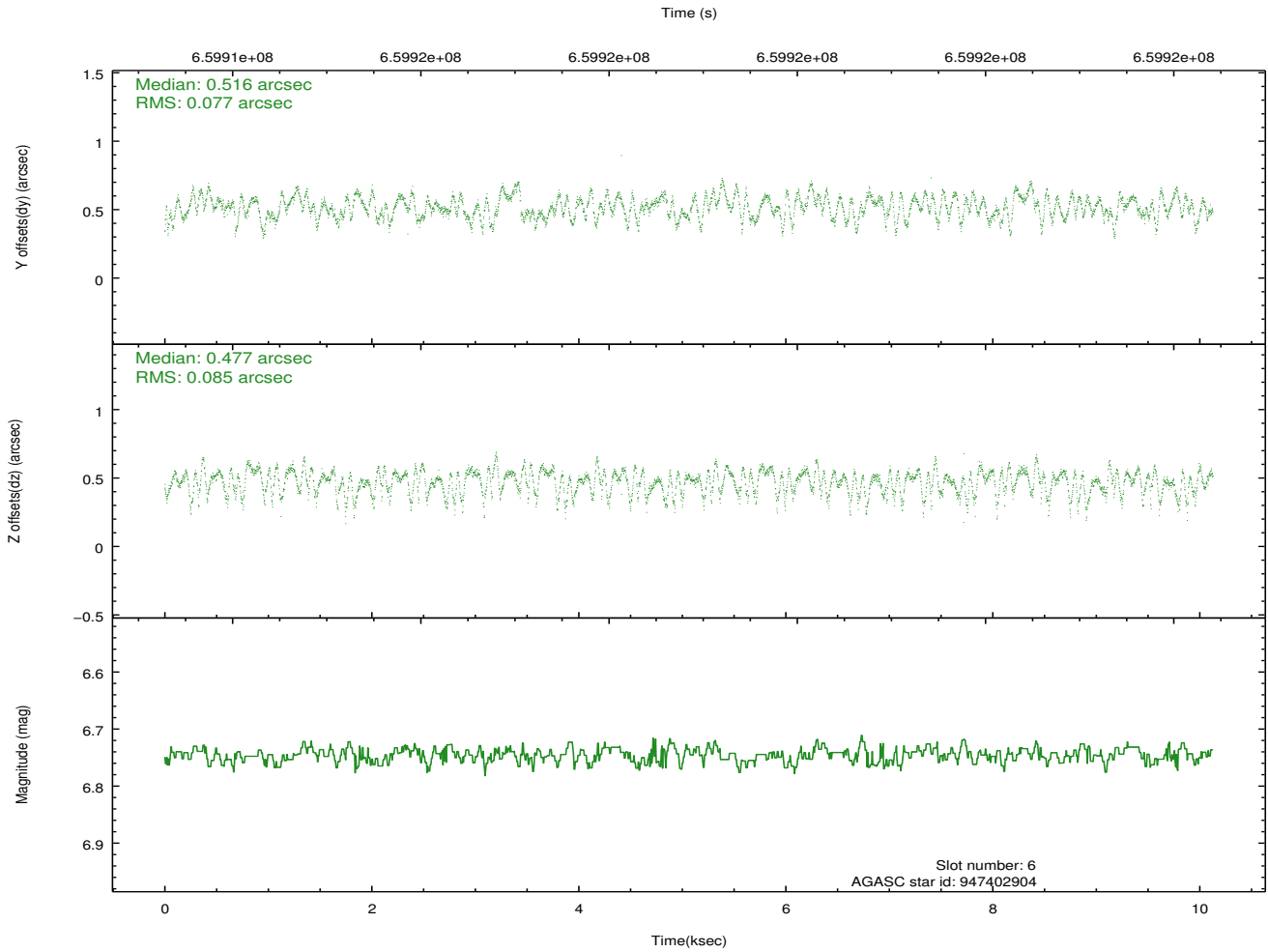
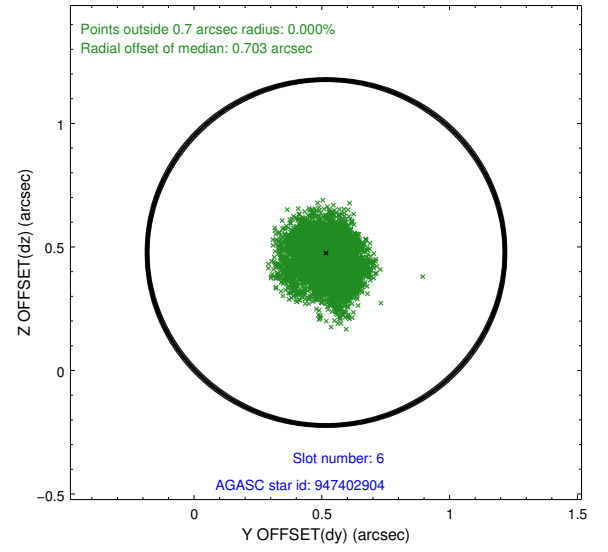
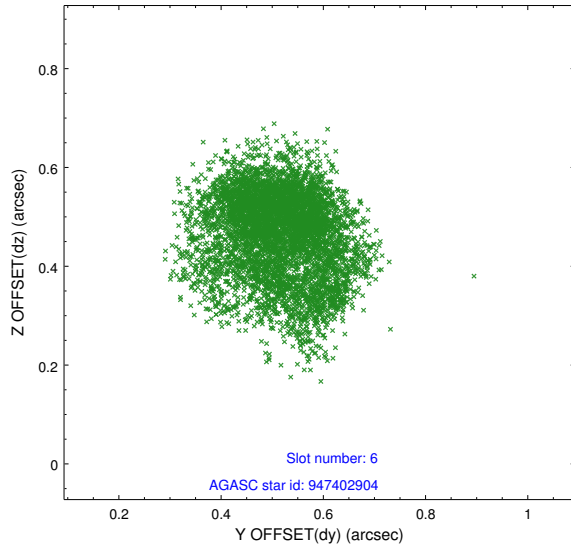
2.4.2 Slot 4



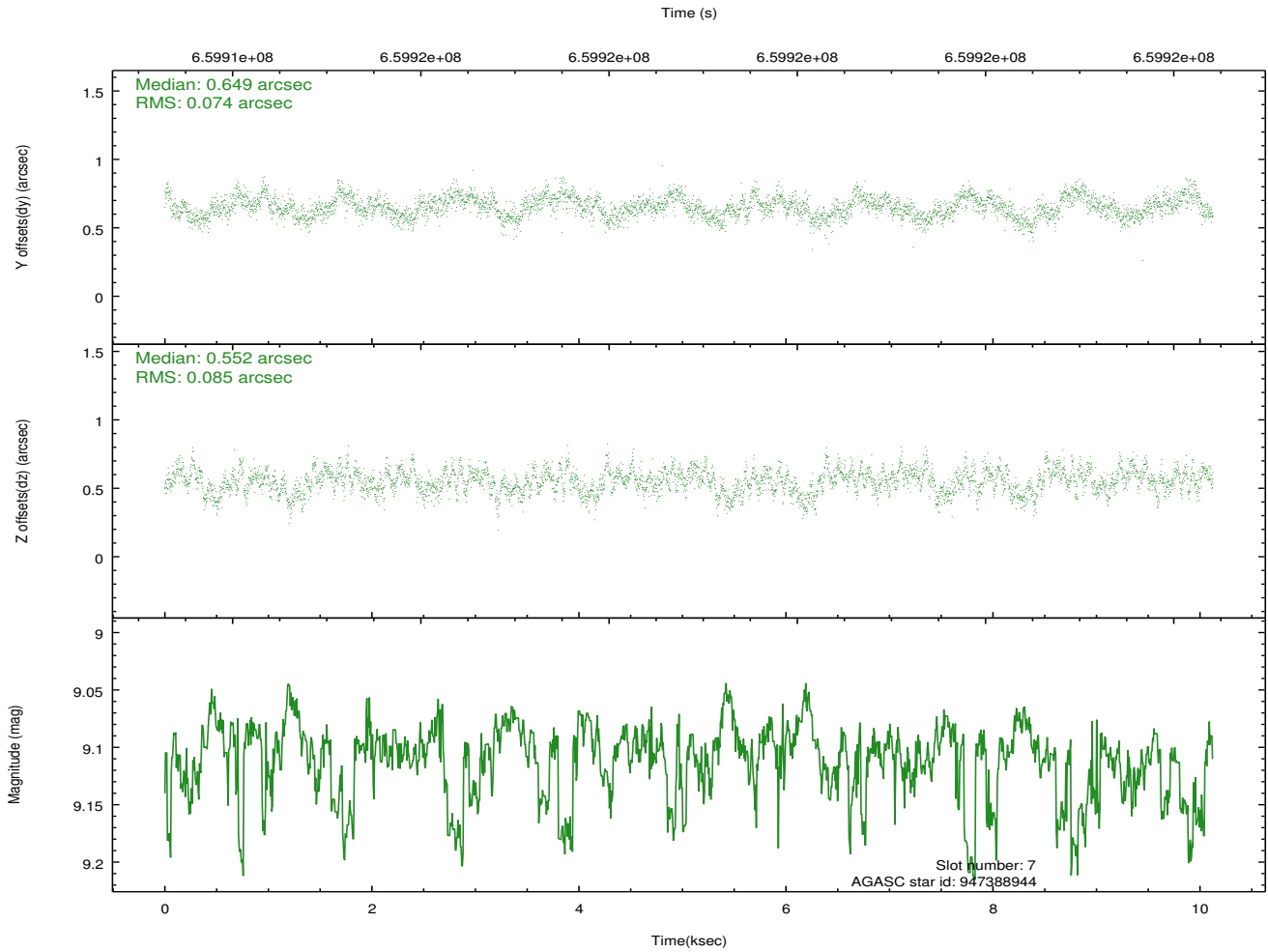
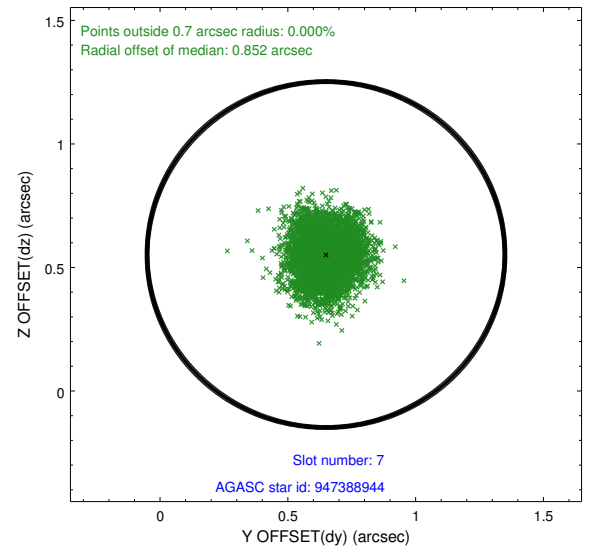
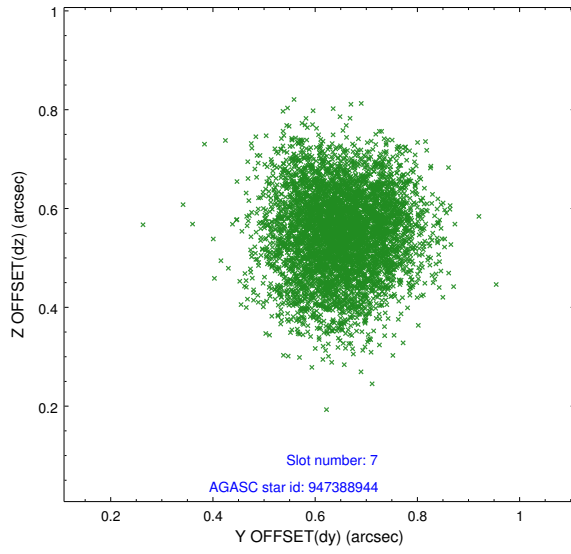
2.4.3 Slot 5



2.4.4 Slot 6

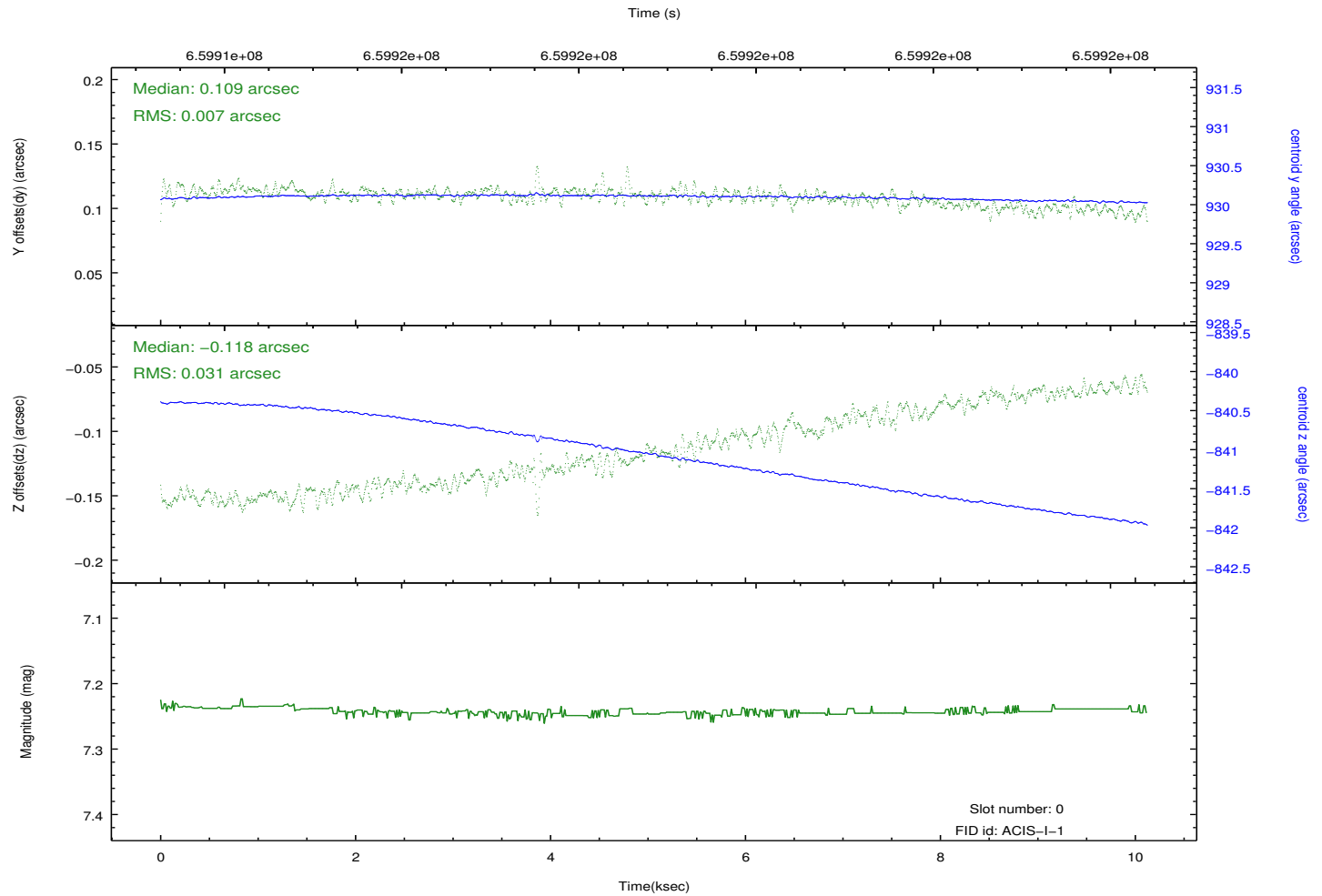
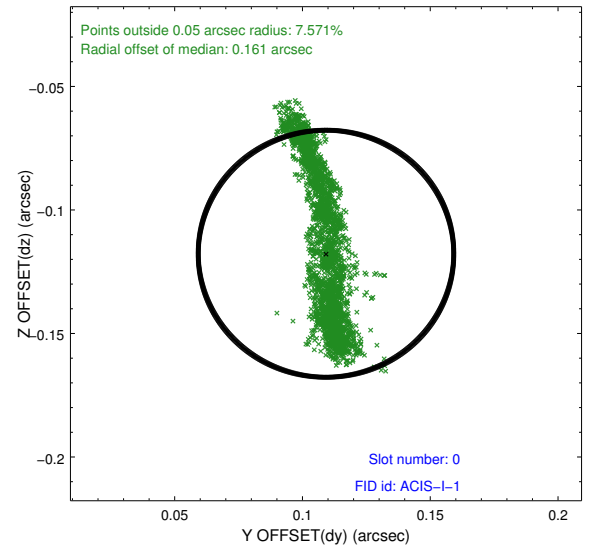
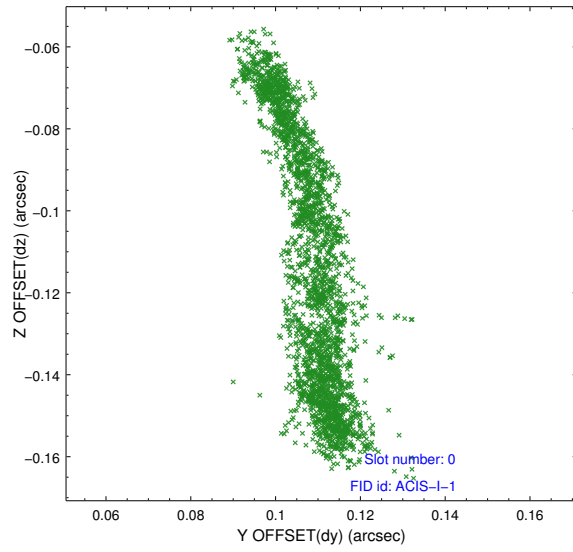


2.4.5 Slot 7

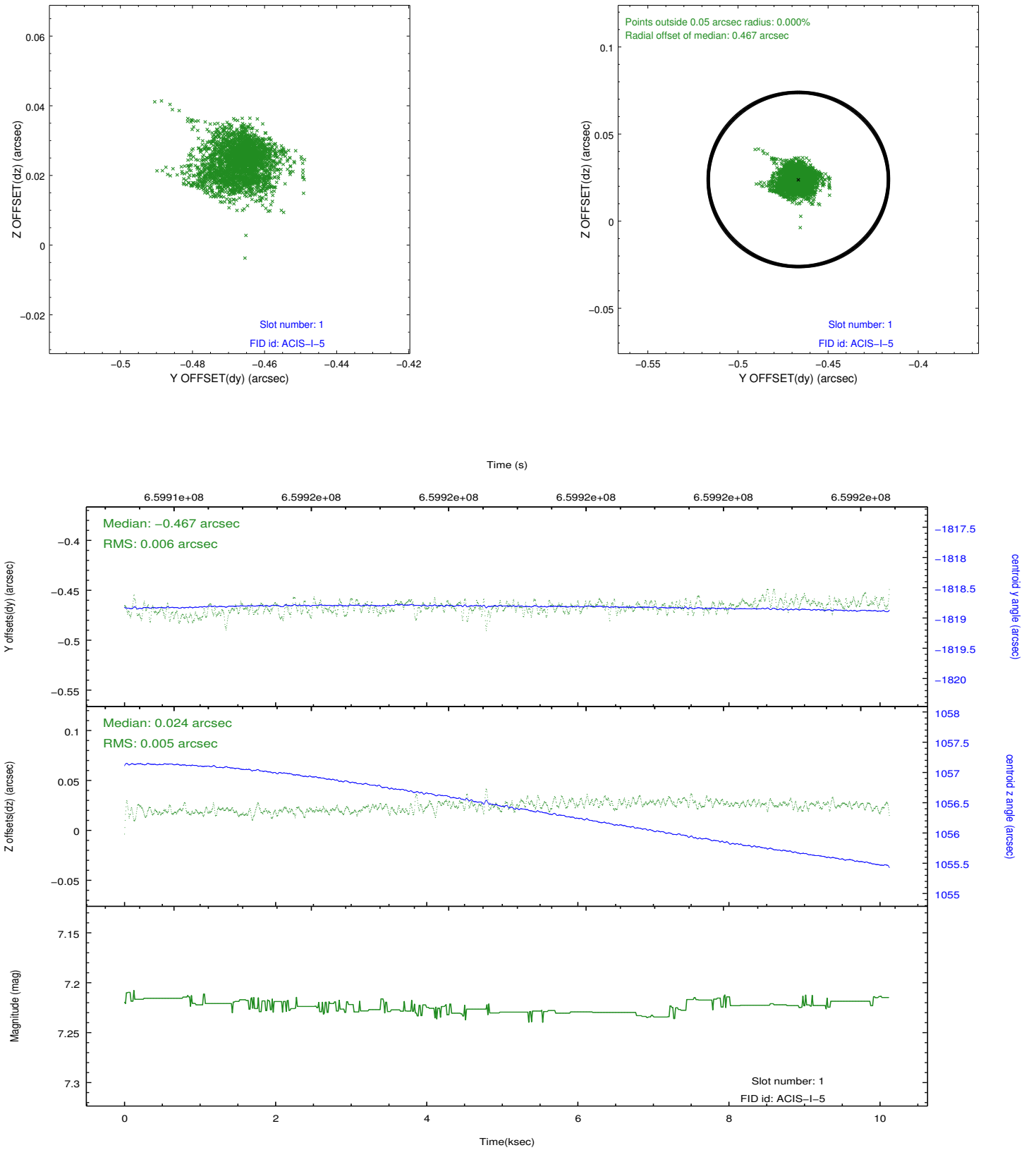


2.5 FID Slots

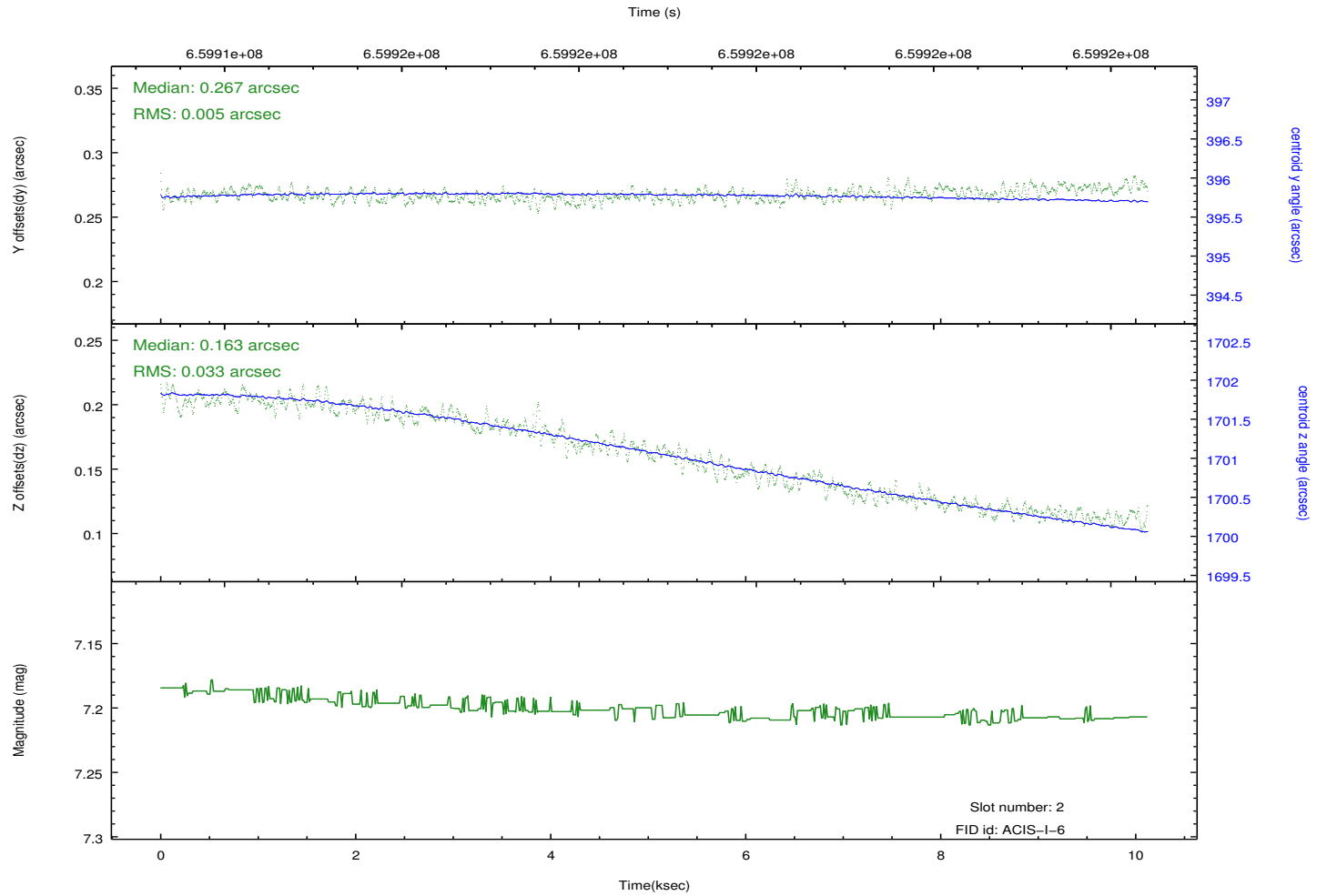
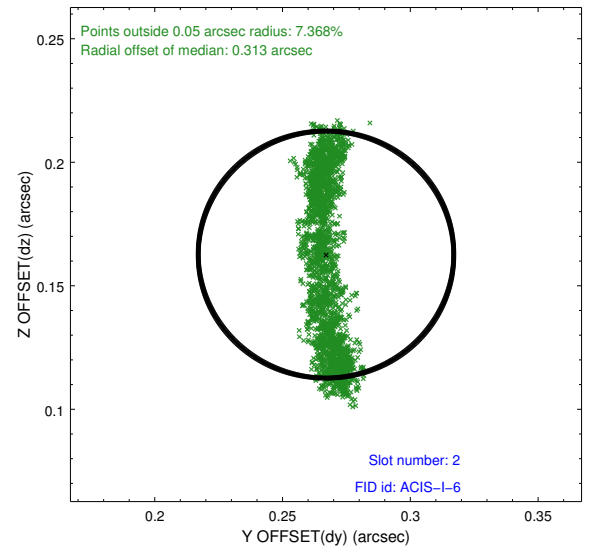
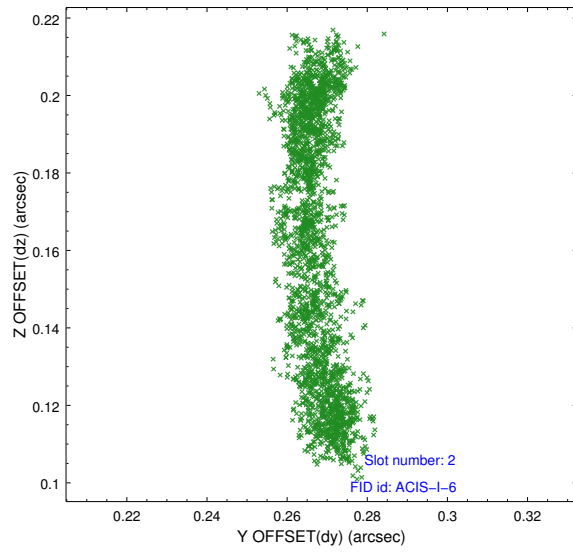
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.075000077605

A.2 Comments