

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19660 - L2 Version 1
Chandra X-Ray Center

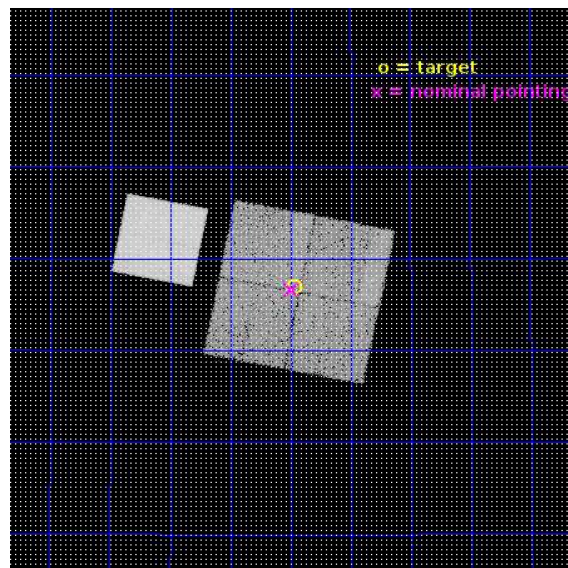
L2 Processing Date : Aug 19 2017

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1 Front

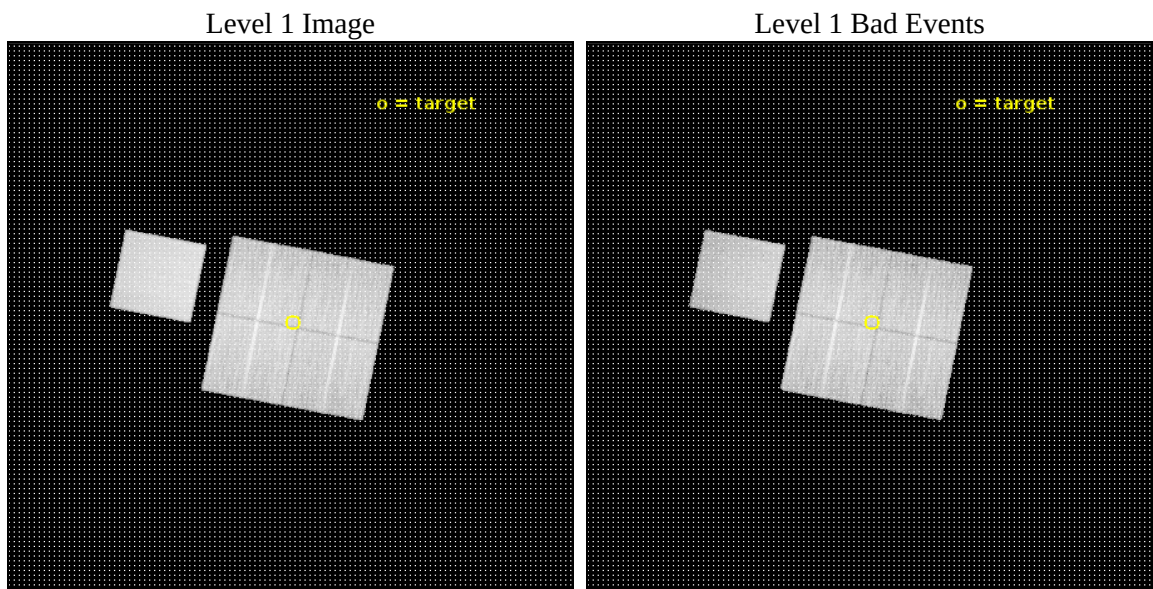
seq_num	901367	Sequence number
obs_id	19660	Observation id
title	The Chandra Deep Wide-Field Survey: Completing the new generation of Chandra extragalactic surveys	Proposal title
observer	Ryan Hickox	Principal investigator
object	CDWFS	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.61724	Observer's specified target RA [deg]
dec_targ	33.117204	Observer's specified target Dec [deg]
ra_nom	217.62325632356	Nominal RA [deg]
dec_nom	33.110776706353	Nominal Dec [deg]
roll_nom	281.20539345415	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25056.050777197	Sum of GTIs [s]
livetime	24728.675027797	Livetime [s]
ontime0	25055.927657127	Sum of GTIs [s]
ontime1	25052.827706814	Sum of GTIs [s]
ontime2	25052.868746877	Sum of GTIs [s]
ontime3	25056.050777197	Sum of GTIs [s]
ontime7	25056.091817141	Sum of GTIs [s]
l2events	160197	Number of level 2 events



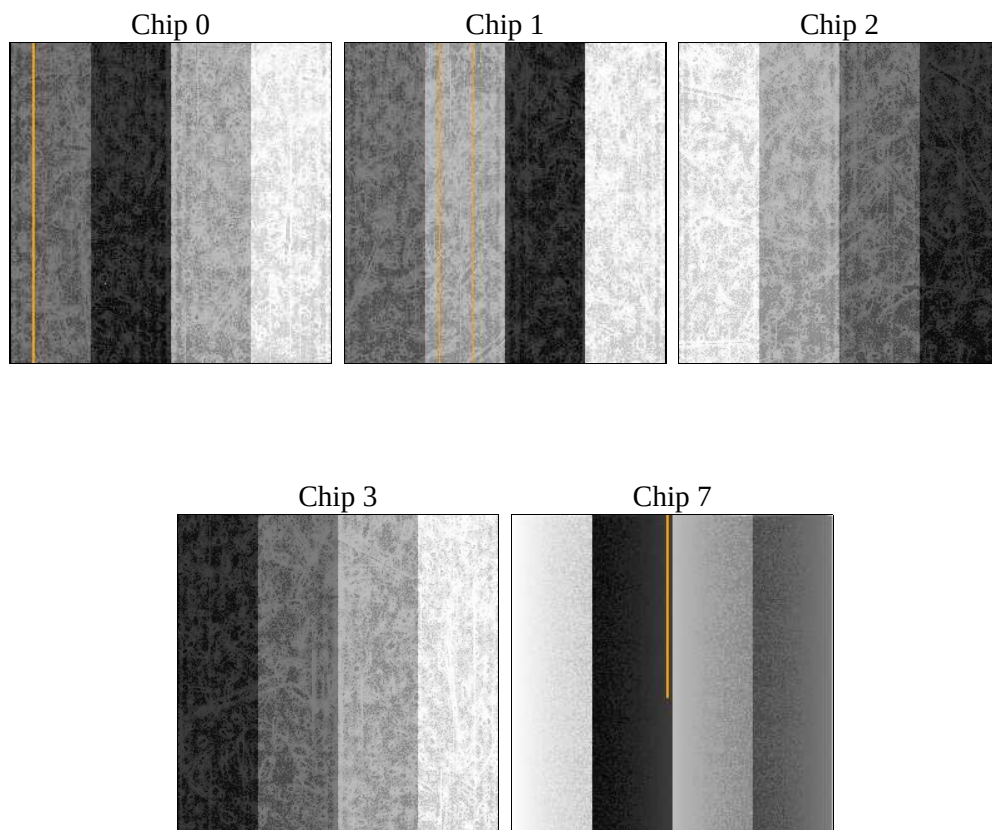
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	25056.050777197	Sum of GTIs [s]
caldbver	4.7.5	 	ontime0	25055.927657127	Sum of GTIs [s]
date	2017-08-19T04:03:00	Date and time of file creation	ontime1	25052.827706814	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	25052.868746877	Sum of GTIs [s]
			ontime3	25056.050777197	Sum of GTIs [s]
			ontime7	25056.091817141	Sum of GTIs [s]
			l1events	875880	Number of level 1 events

2.1.4 Events

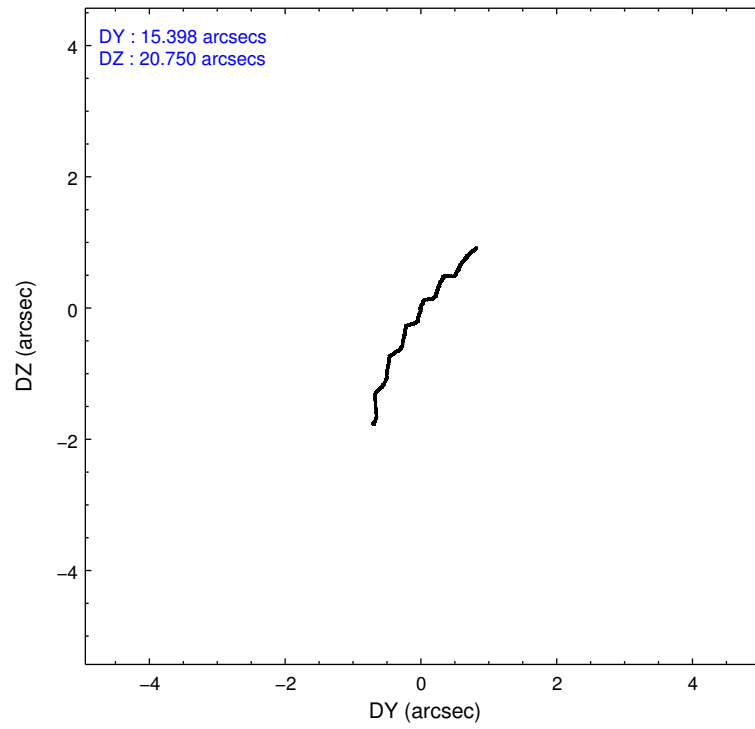
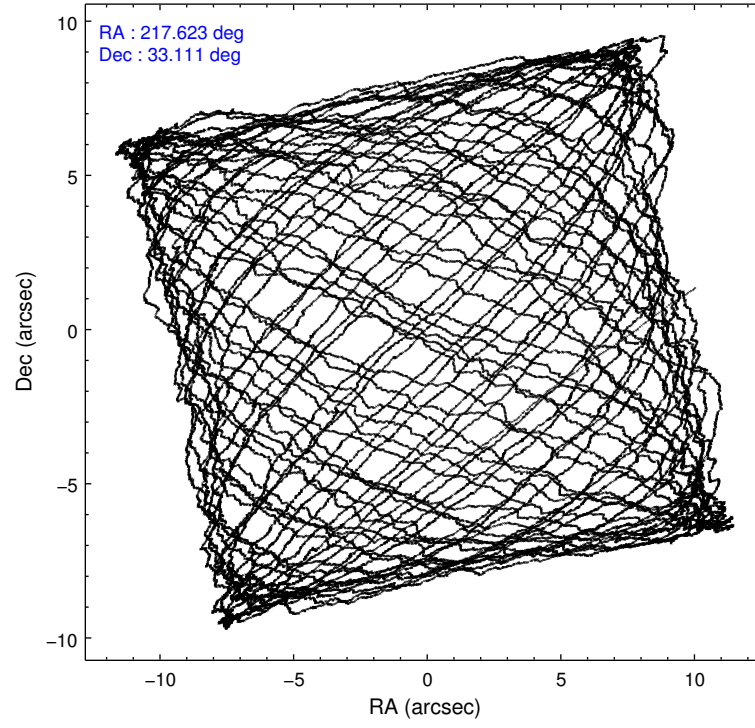
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	152324	159586	174318	168872	220780
rejected events	133070	137753	155419	149602	124195
rejected %	87%	86%	89%	88%	56%

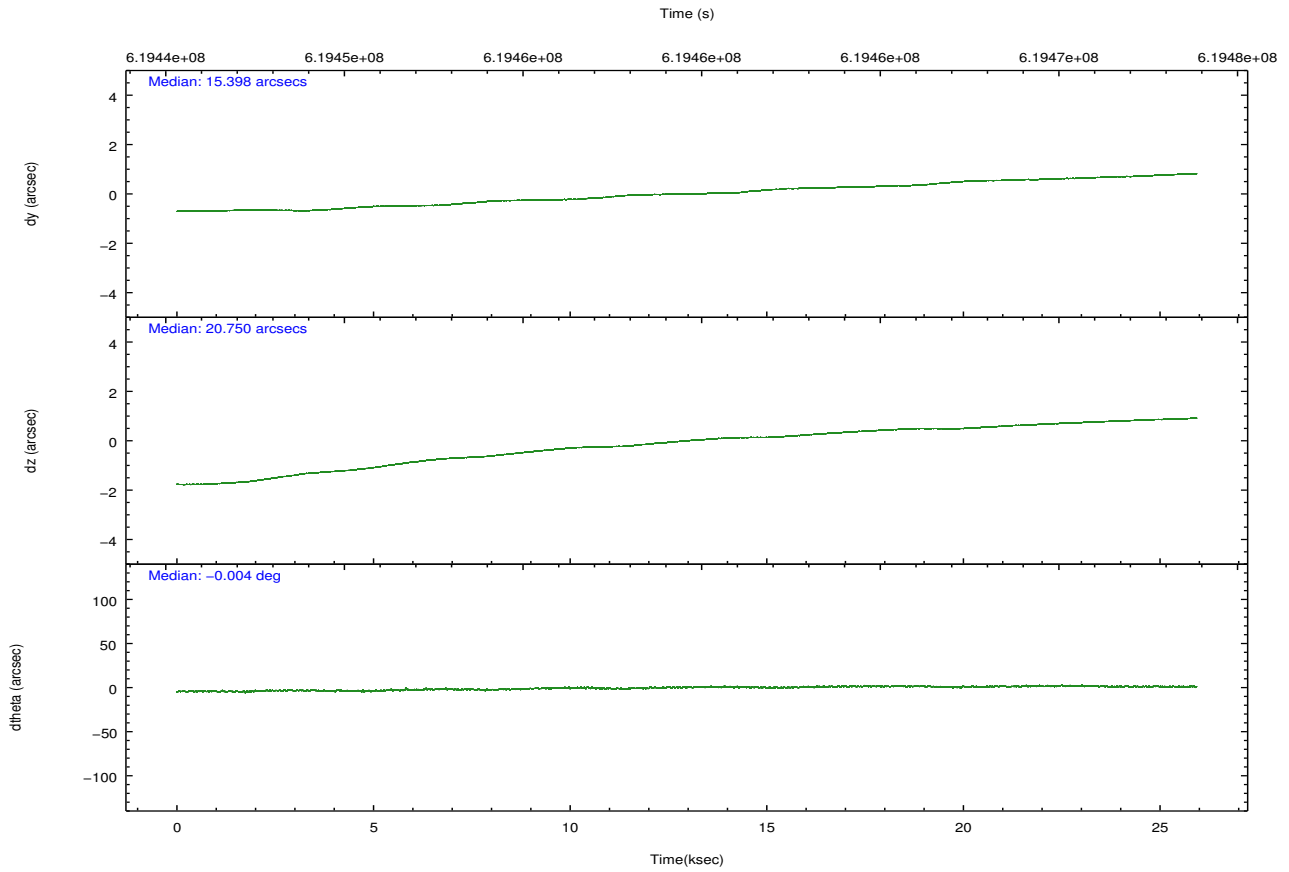
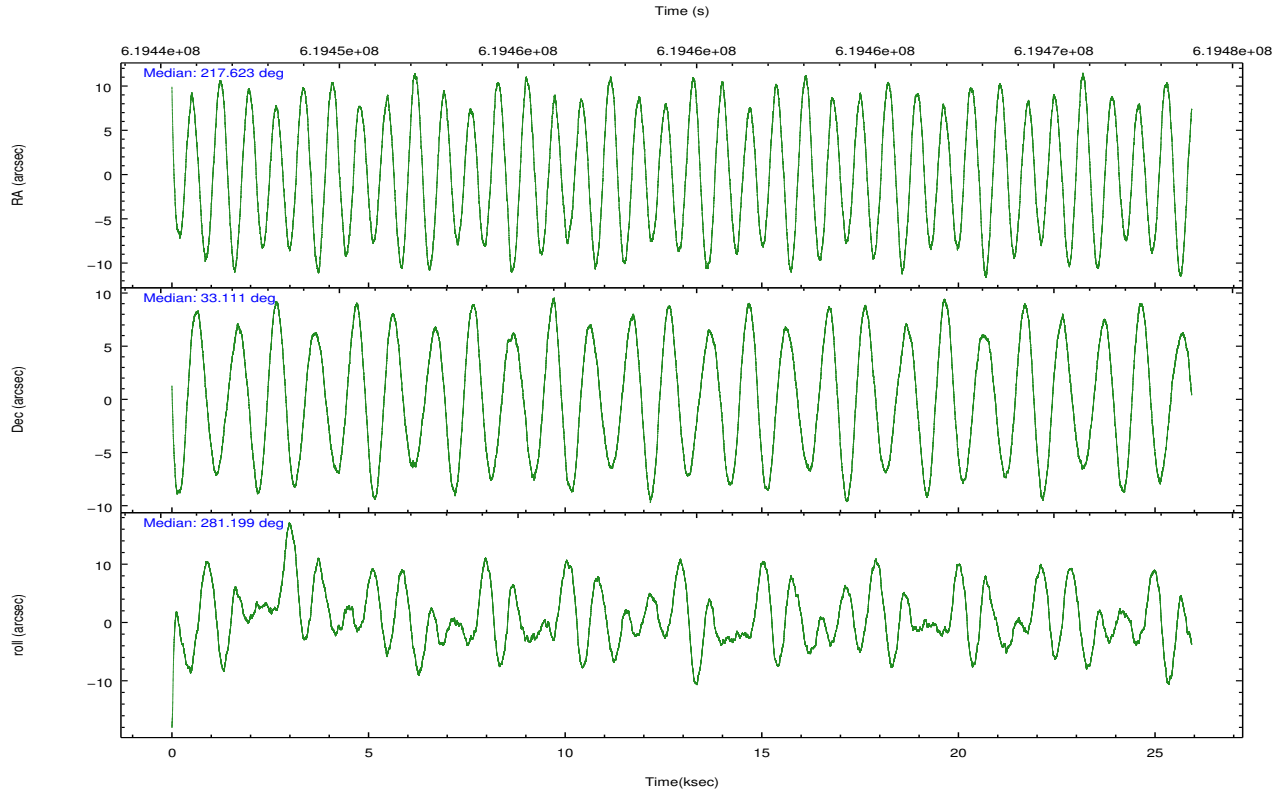
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	6667	7379	6748	7402	8448
	4%	4%	3%	4%	3%
grade 1 events	84	83	85	104	321
	0%	0%	0%	0%	0%
grade 2 events	4800	5608	4759	4085	20235
	3%	3%	2%	2%	9%
grade 3 events	1961	2036	1868	1961	7858
	1%	1%	1%	1%	3%
grade 4 events	1831	2061	1914	1911	7742
	1%	1%	1%	1%	3%
grade 5 events	7292	7421	6711	8186	22248
	4%	4%	3%	4%	10%
grade 6 events	4002	4752	3615	3917	52333
	2%	2%	2%	2%	23%
grade 7 events	125687	130246	148618	141306	101595
	82%	81%	85%	83%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	217.601473	217.6232563235559	CCD I2 on	Y	Y
[deg] Pointing Dec	33.131468	33.11077670635282	CCD I3 on	Y	Y
[deg] Pointing Roll	281.008615	281.2053934541482	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	619447567.184000	619445934.87839	CCD S5 on	N	N
Observation start date	2017-08-18T12:44:58	2017-08-18T12:18:54	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	619472567.184000	619472932.86746	On-chip summing requested	N	N
Observation end date	2017-08-18T19:41:38	2017-08-18T19:48:52	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



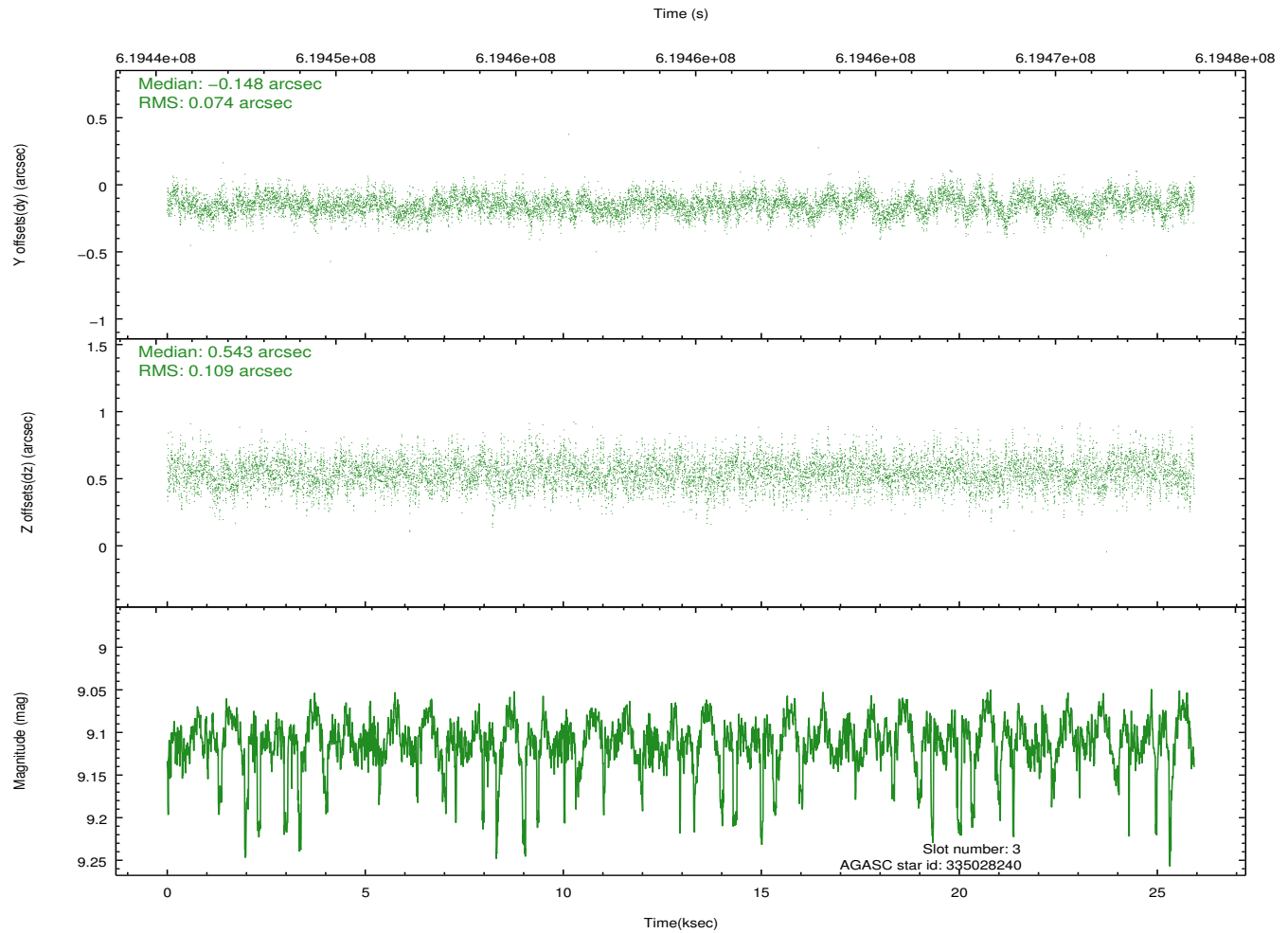
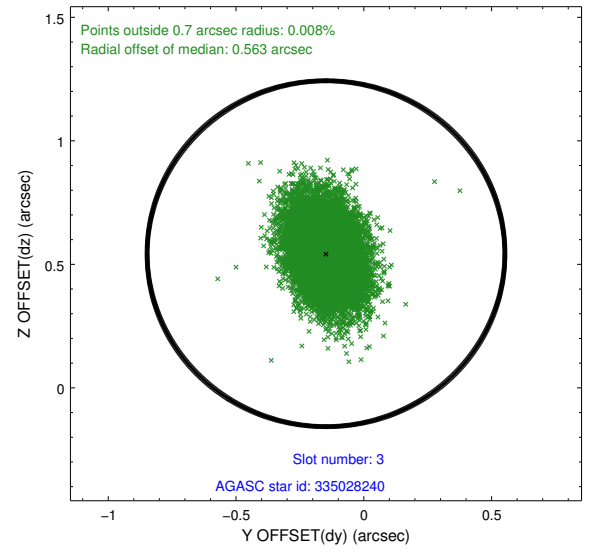
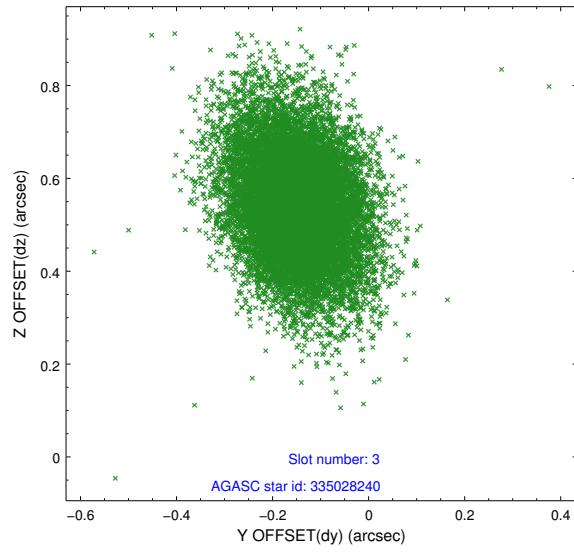


Slot Statistics

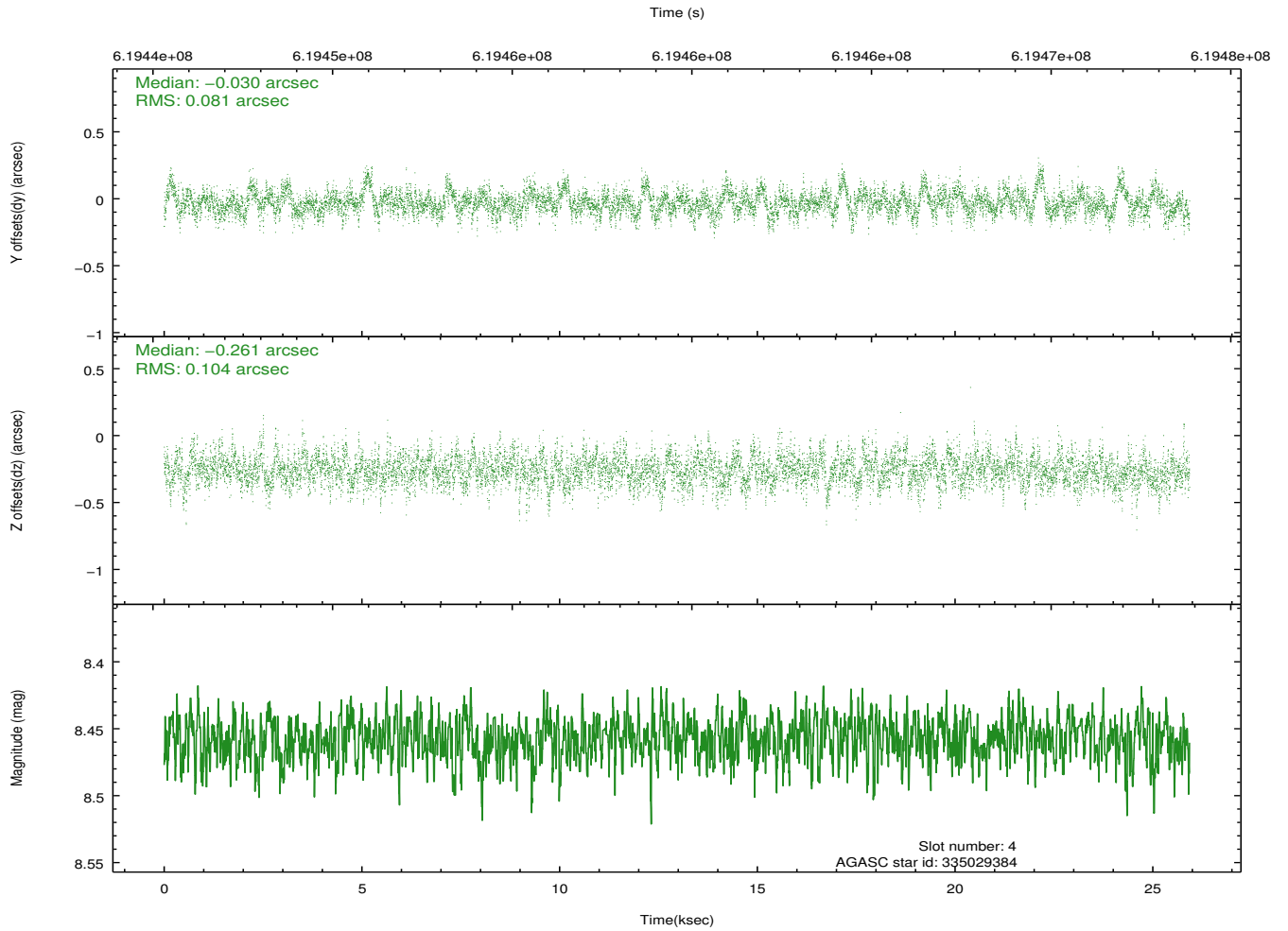
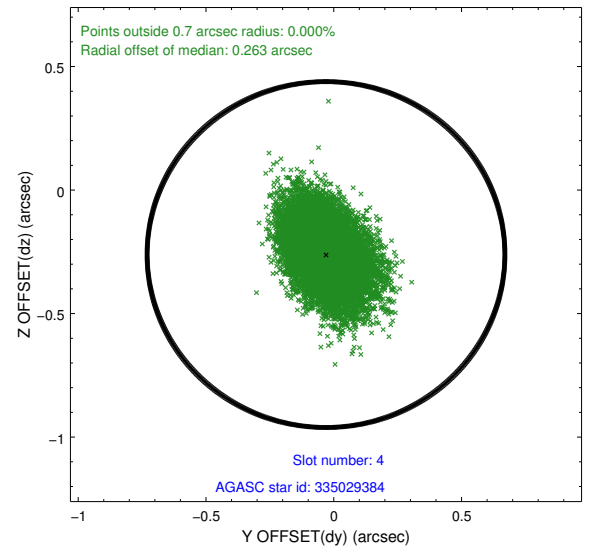
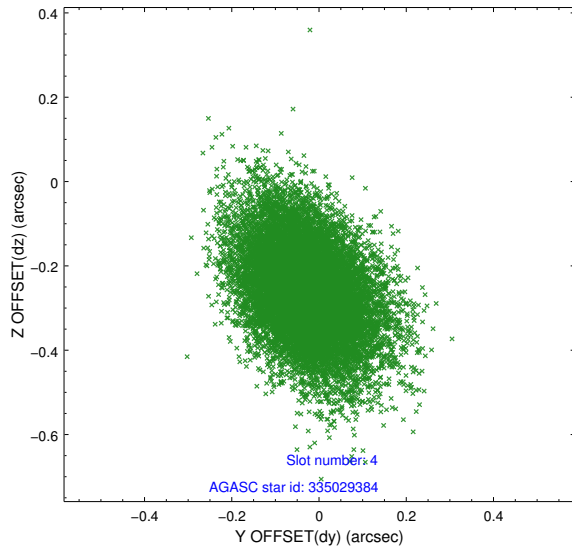
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.16	6325	0.080	-0.060	0.022	0.056	0.000000	0.000000	924.16	-844.32
1	FID		ACIS-I-5	7.16	6325	-0.358	0.035	0.014	0.020	0.000000	0.000000	-1824.41	1053.08
2	FID		ACIS-I-6	7.17	6325	0.186	0.091	0.018	0.039	0.000000	0.000000	389.58	1697.86
3	GUIDE	used	335028240	9.11	12636	-0.148	0.543	0.136	0.234	216.746851	33.385009	-1397.07	-2345.53
4	GUIDE	used	335029384	8.46	12641	-0.030	-0.261	0.137	0.236	217.848061	33.088477	294.03	700.98
5	GUIDE	used	335029808	9.03	12633	0.240	0.261	0.188	0.313	216.789548	33.180488	-648.94	-2365.36
6	GUIDE	used	335025848	9.61	12612	0.009	-0.291	0.288	0.452	217.530531	33.778292	-2325.92	236.00
7	GUIDE	used	335027640	9.07	12637	-0.084	-0.269	0.153	0.267	218.092211	33.193770	58.81	1494.82

2.4 Star Slots

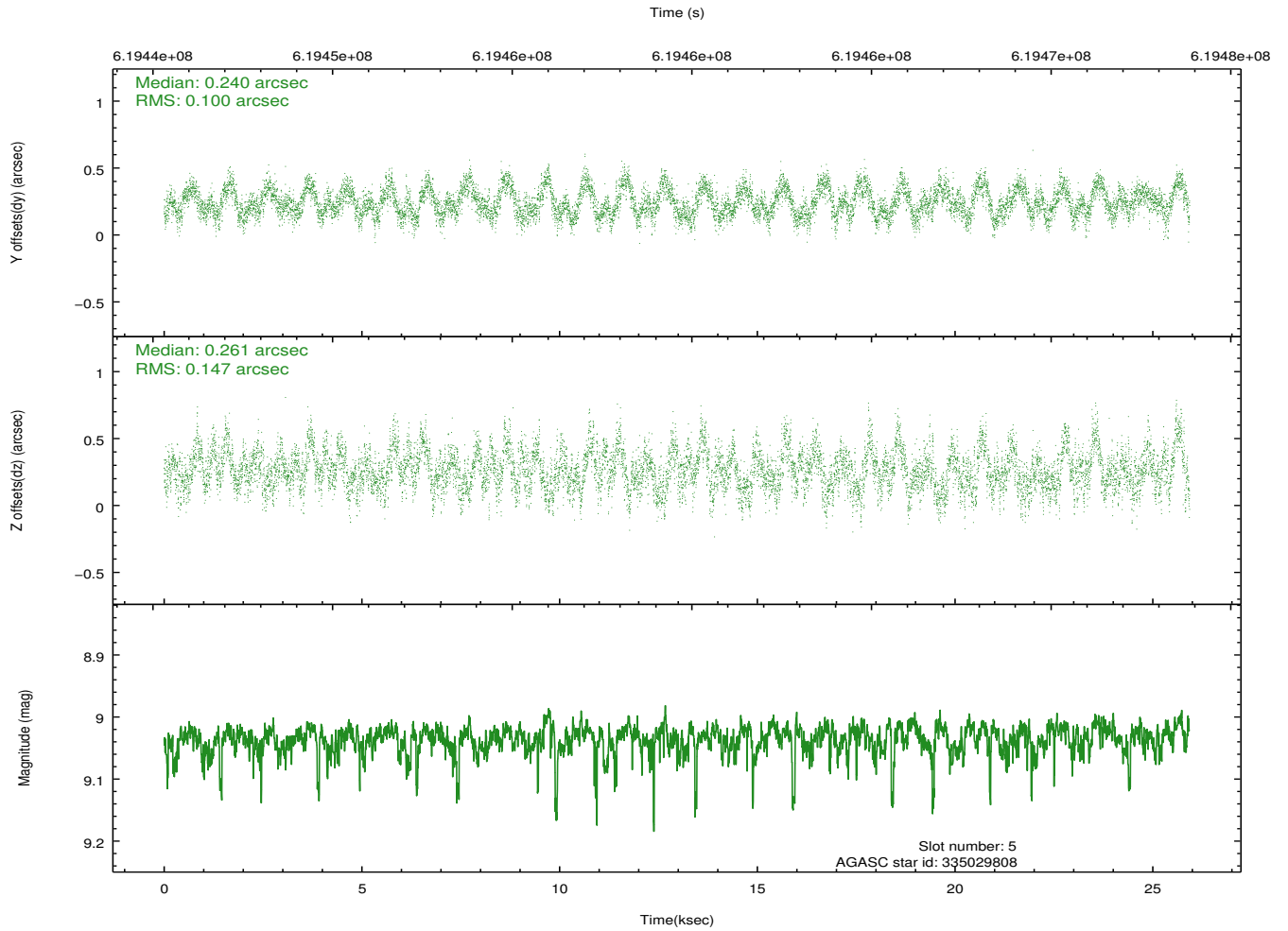
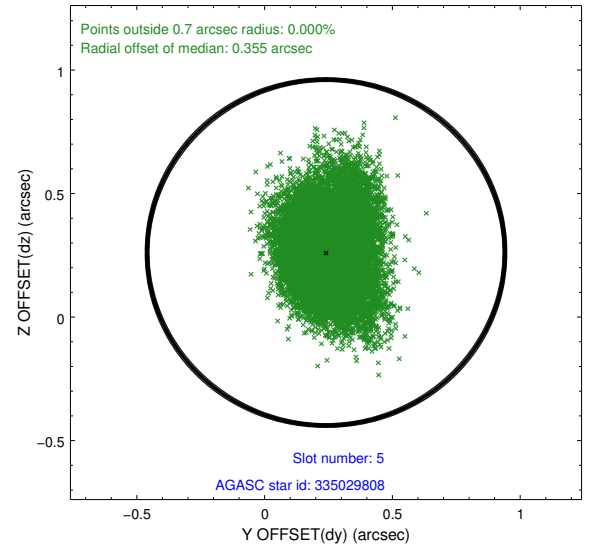
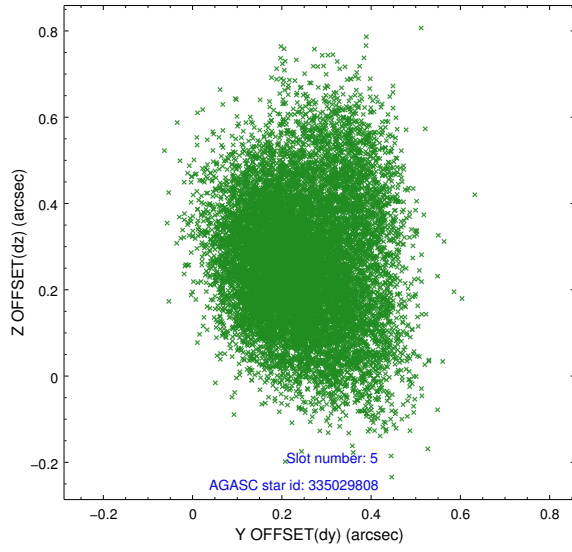
2.4.1 Slot 3



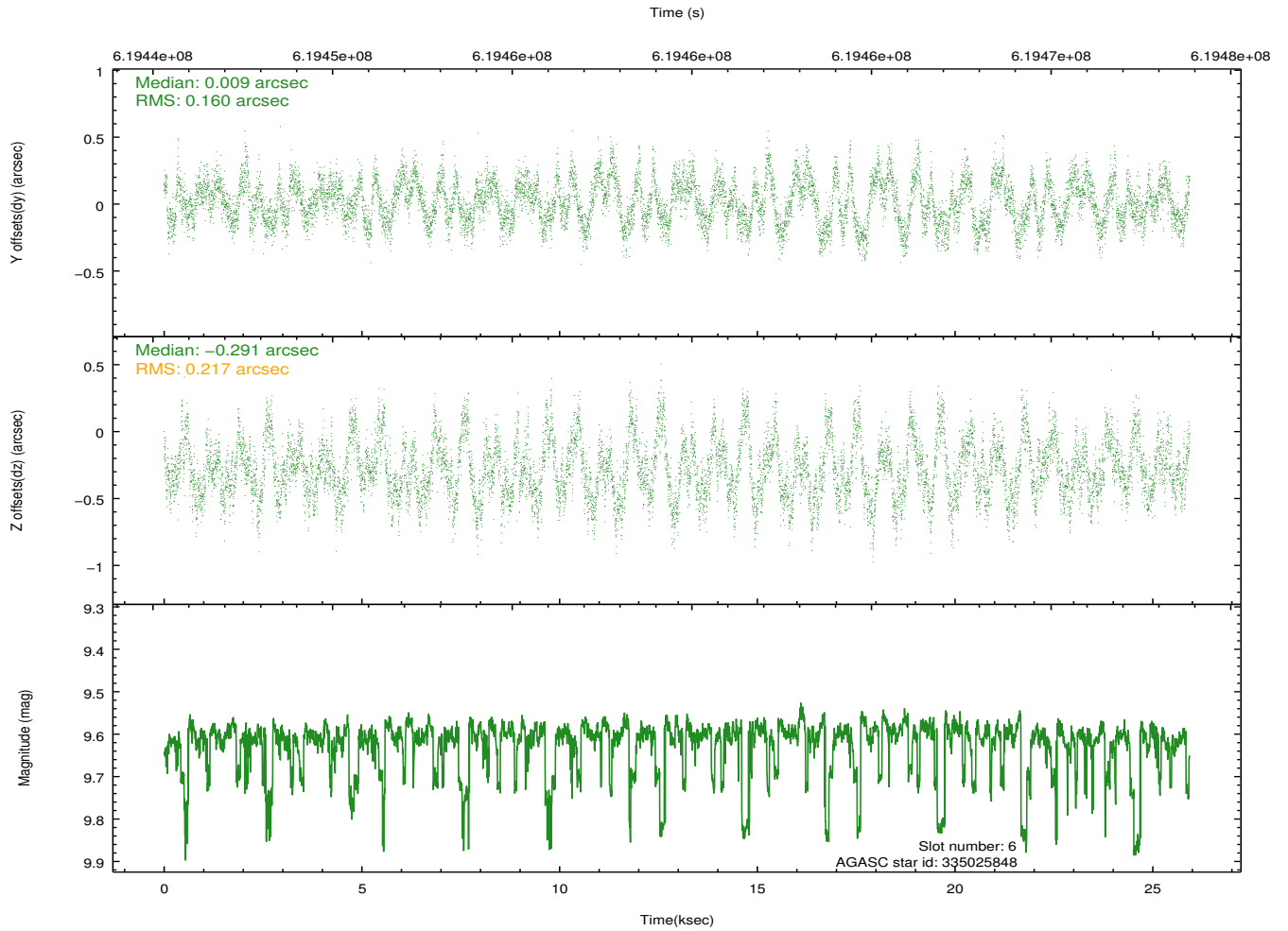
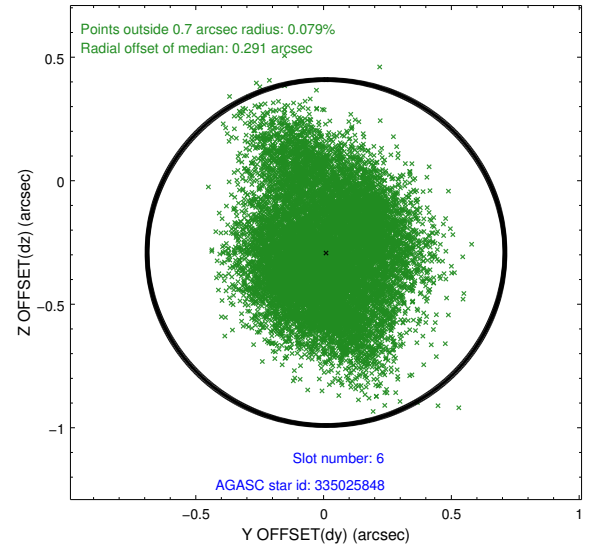
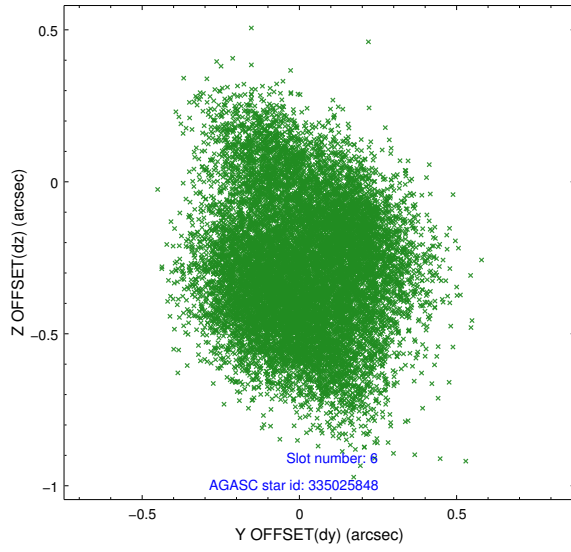
2.4.2 Slot 4



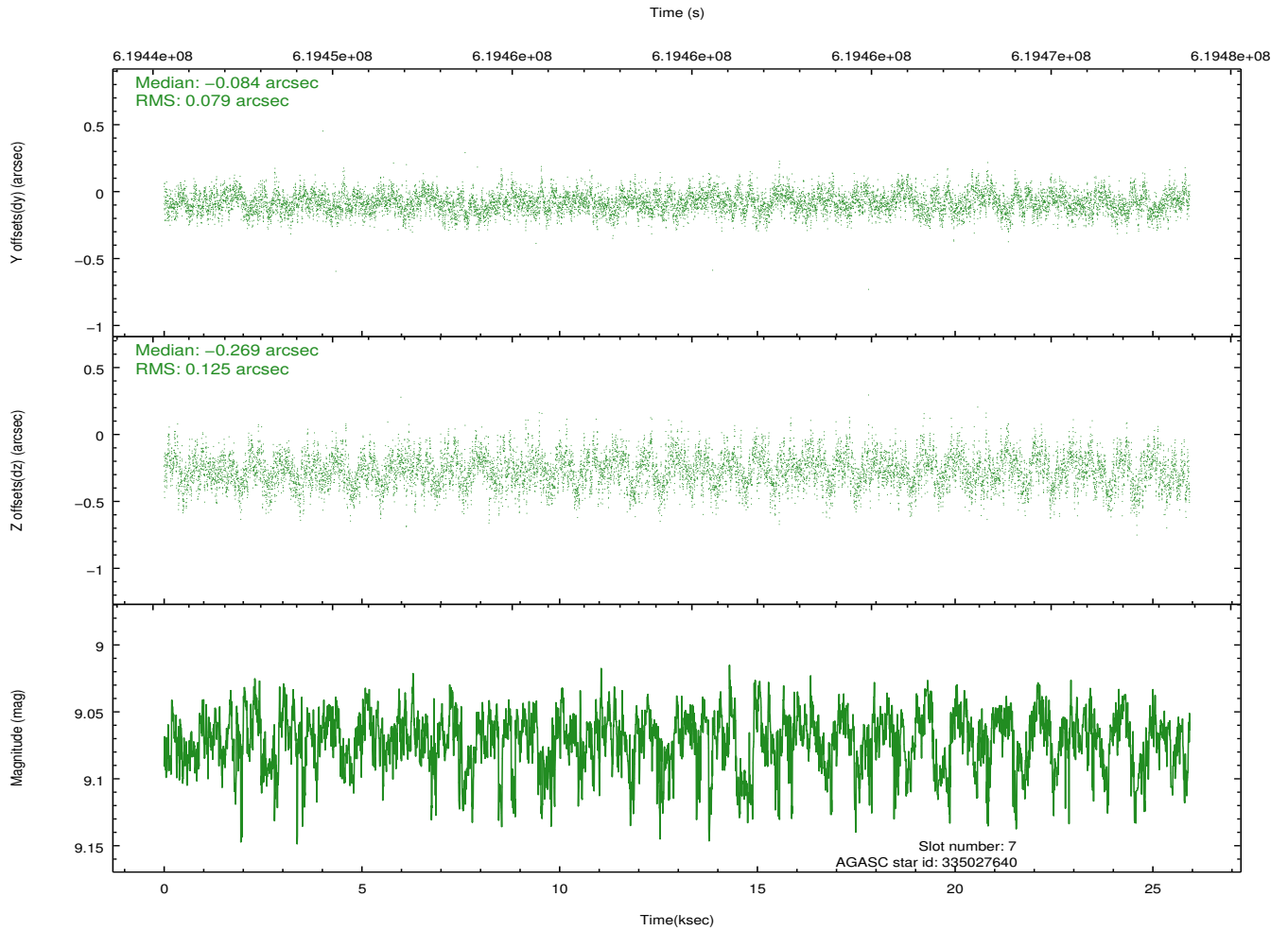
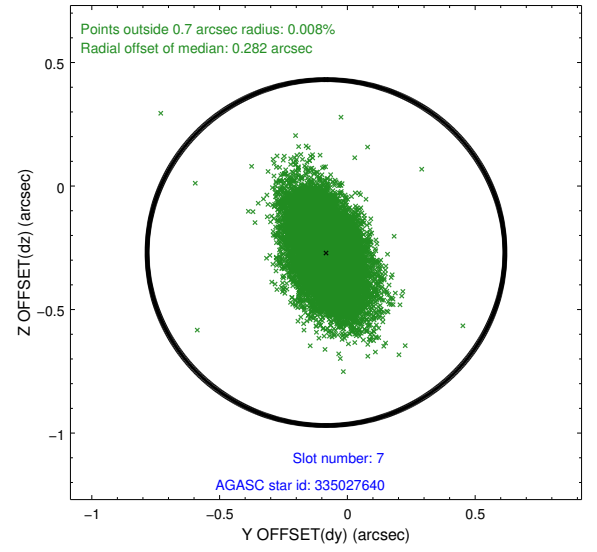
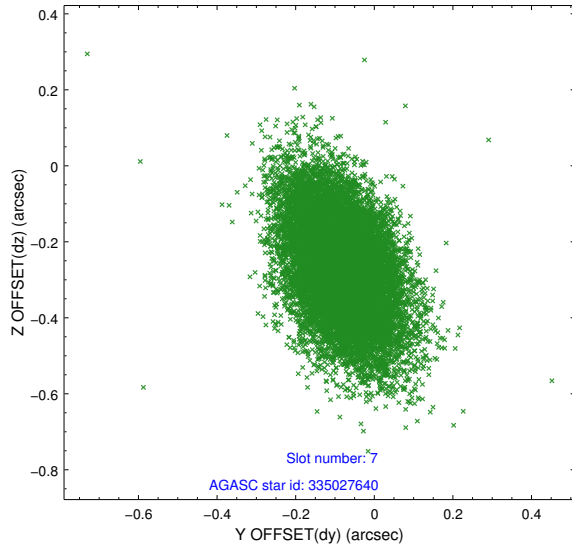
2.4.3 Slot 5



2.4.4 Slot 6

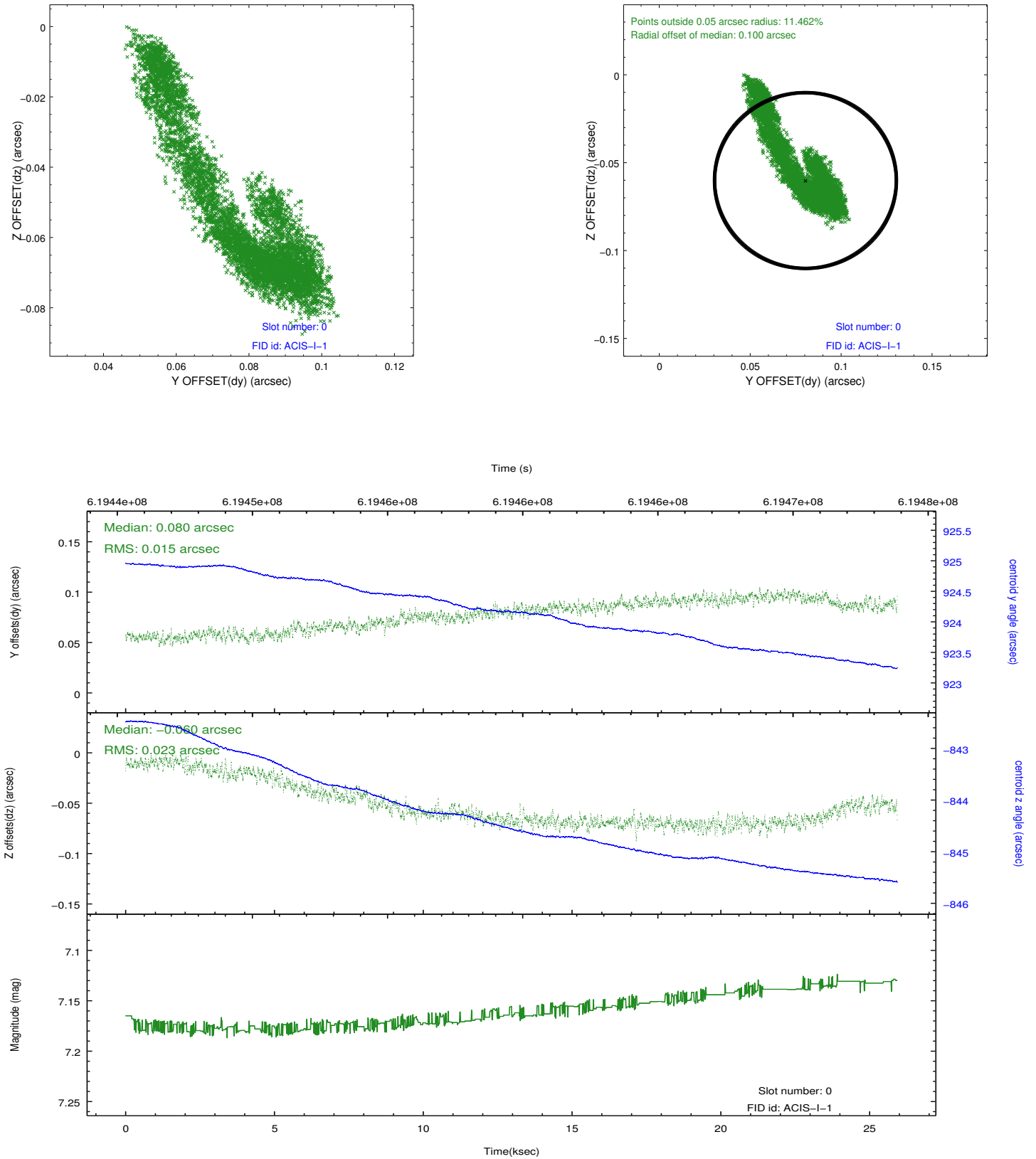


2.4.5 Slot 7

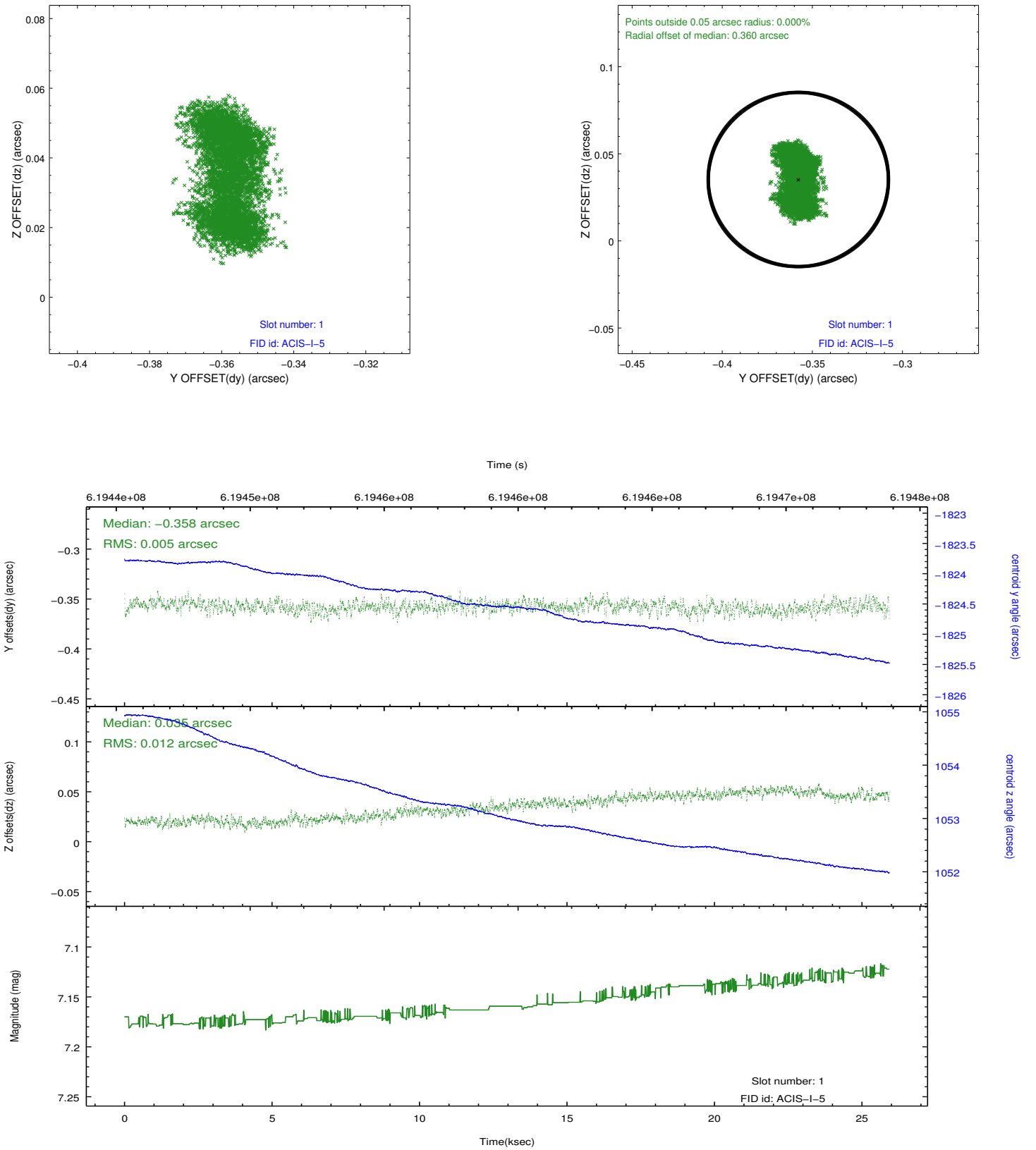


2.5 FID Slots

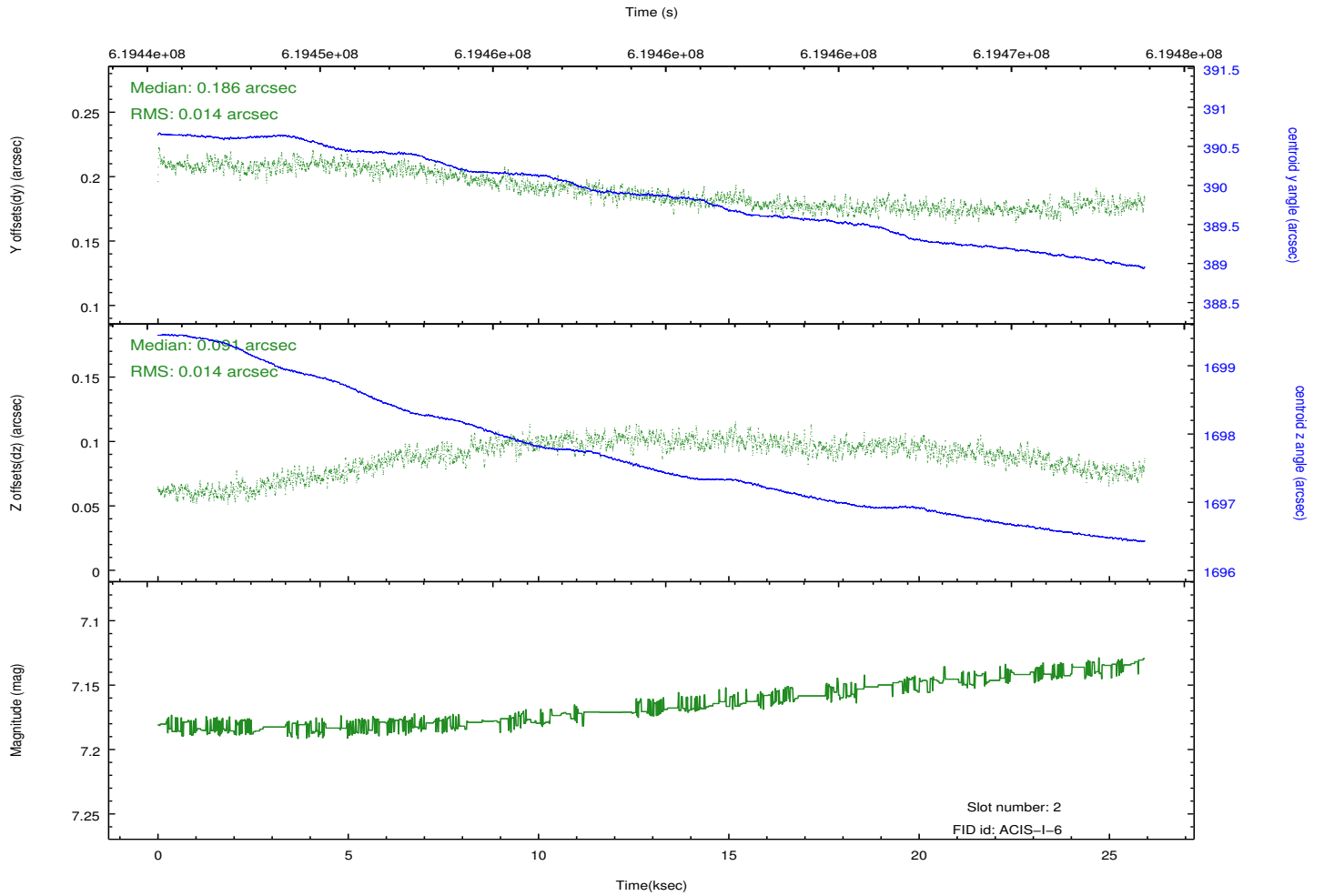
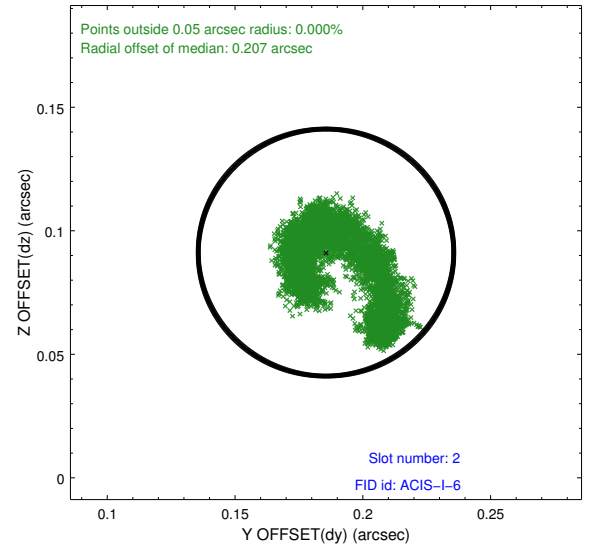
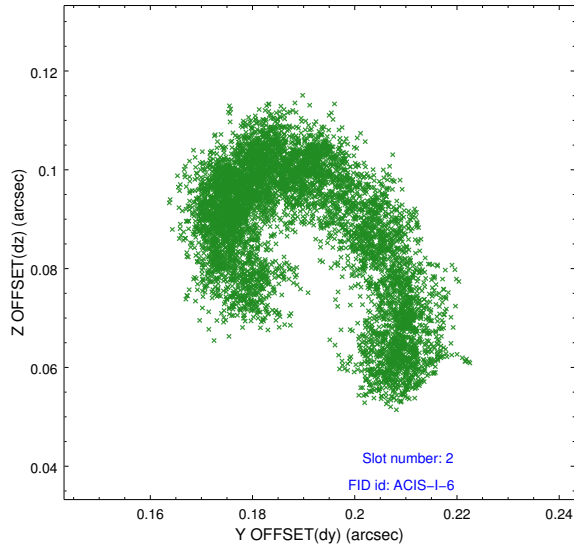
2.5.1 Slot 0



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)	2017.08.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.056050777197

A.2 Comments