

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7420 - L2 Version 2
Chandra X-Ray Center

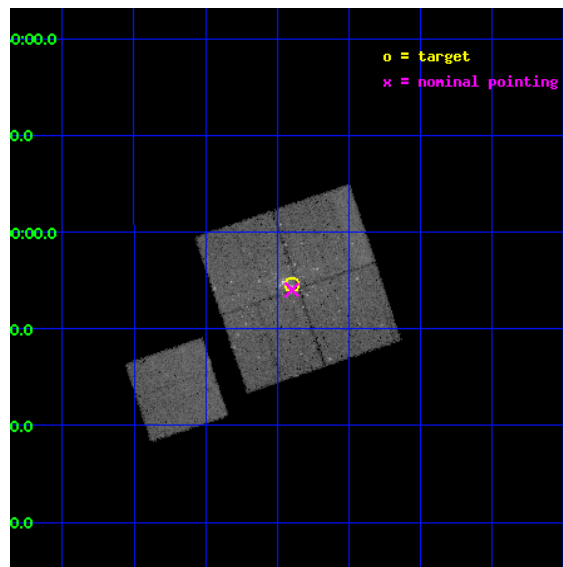
L2 Processing Date : Apr 29 2012

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1 Front

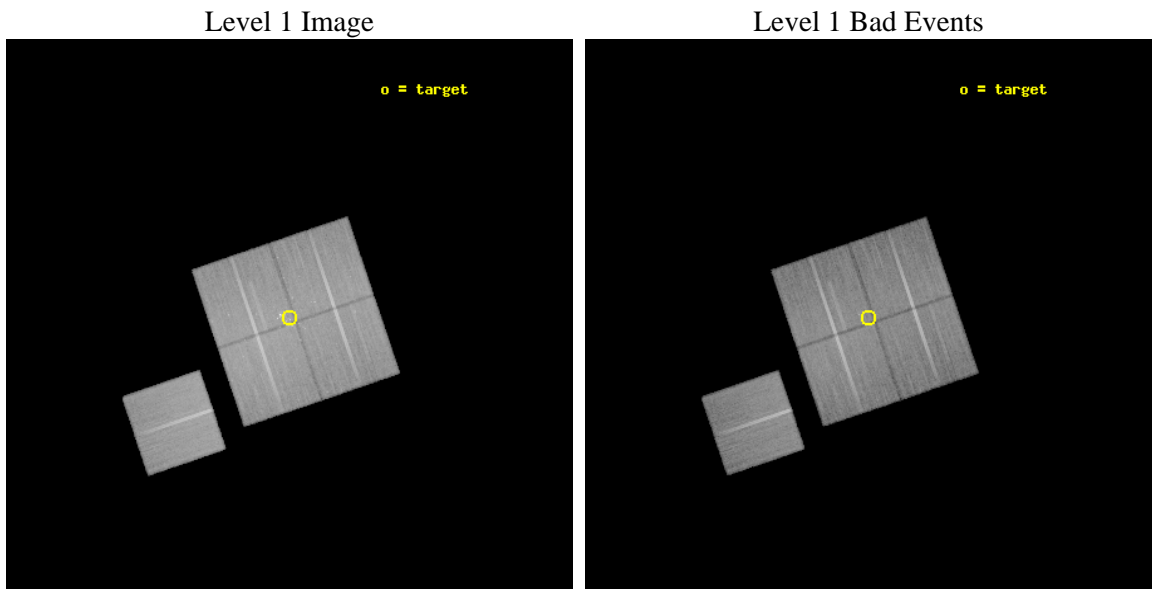
seq_num	200433	Sequence number
obs_id	7420	Observation id
title	Is W40 the Richest Nearby Young Stellar Cluster after Orion?	Propo
observer	Dr. Konstantin Getman	Principal investigator
object	W40	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	277.849583	Observer's specified target RA [deg]
dec_targ	-2.091528	Observer's specified target Dec [deg]
ra_nom	277.84939048456	Nominal RA [deg]
dec_nom	-2.0996030873836	Nominal Dec [deg]
roll_nom	251.31319014573	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37193.636315167	Sum of GTIs [s]
livetime	36707.674075153	Livetime [s]
ontime0	37203.059285939	Sum of GTIs [s]
ontime1	37203.05931586	Sum of GTIs [s]
ontime2	37203.059305787	Sum of GTIs [s]
ontime3	37193.636315167	Sum of GTIs [s]
ontime6	37196.777375102	Sum of GTIs [s]
l2events	141099	Number of level 2 events



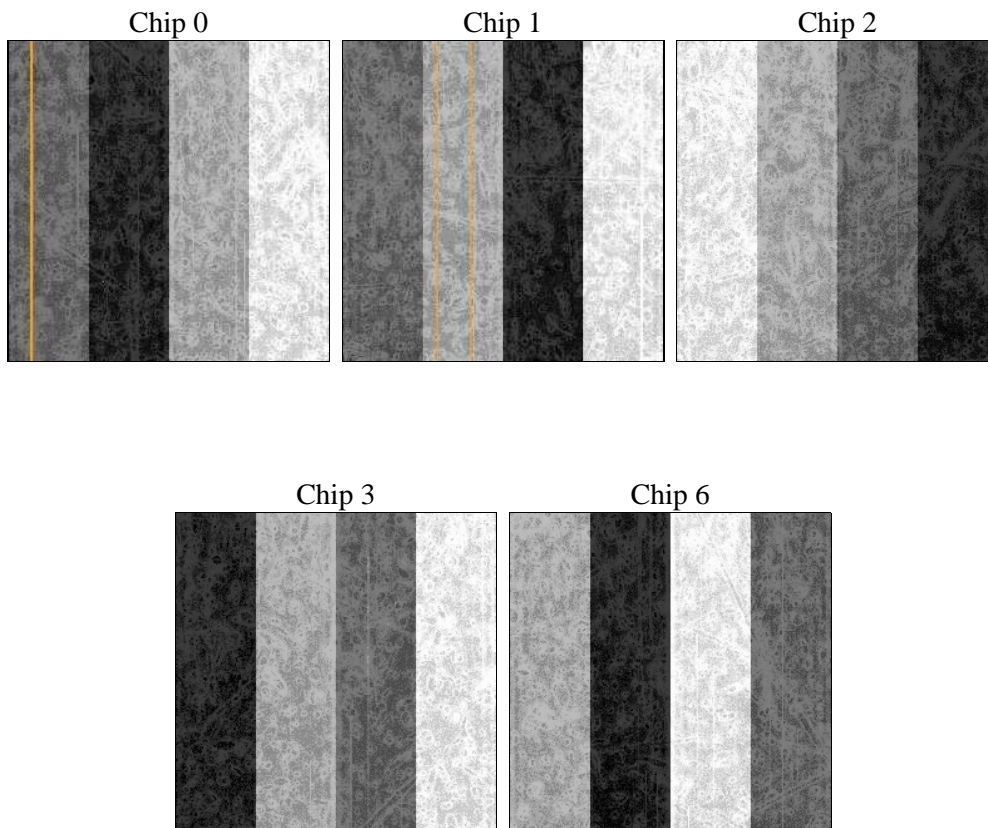
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37041.127000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	37193.636315167	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	37203.059285939	Sum of GTIs [s]
date	2012-04-29T14:07:43	Date and time of file creation	ontime1	37203.05931586	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	37203.059305787	Sum of GTIs [s]
			ontime3	37193.636315167	Sum of GTIs [s]
			ontime6	37196.777375102	Sum of GTIs [s]
			l1events	1523708	Number of level 1 events

2.1.4 Events

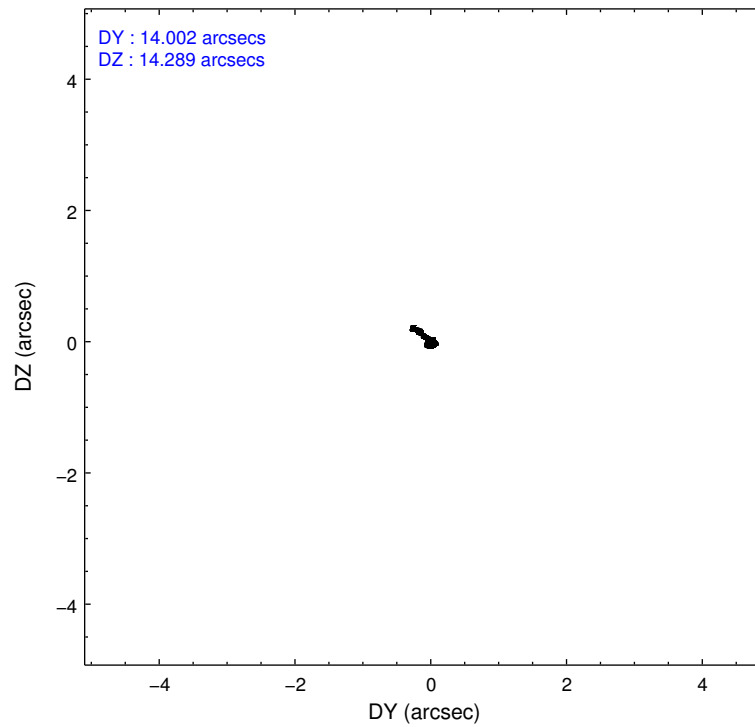
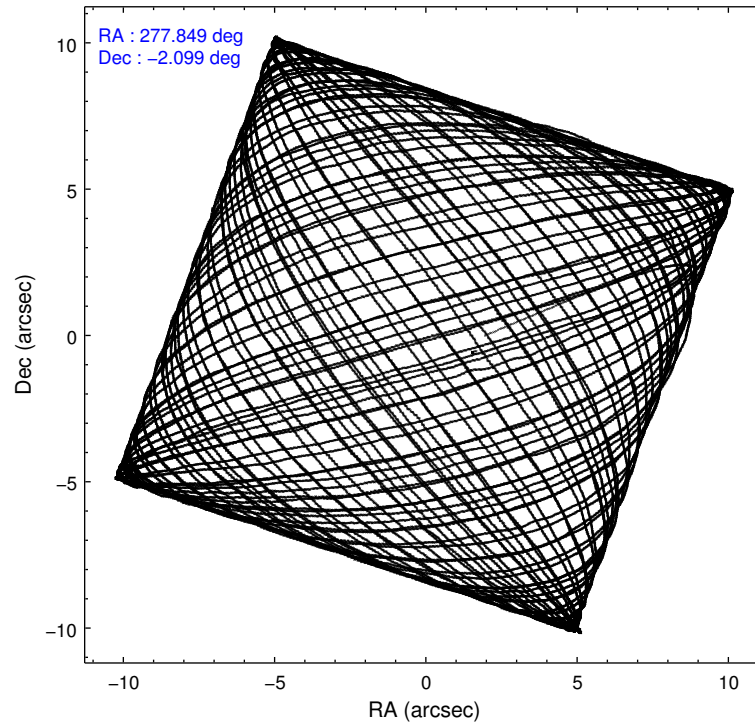
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	288322	288277	324300	312743	310066
rejected events	257230	252562	292613	274195	279577
rejected %	89%	87%	90%	87%	90%

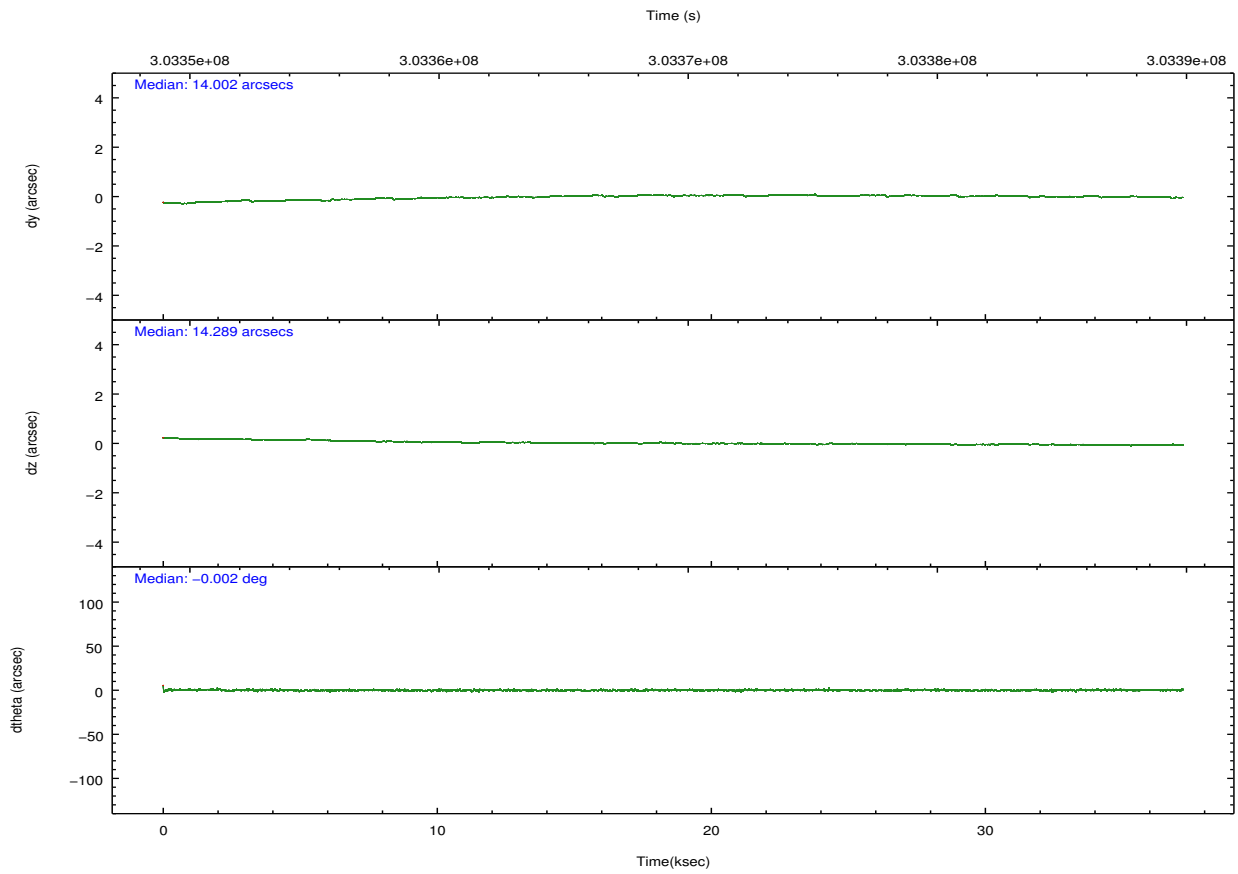
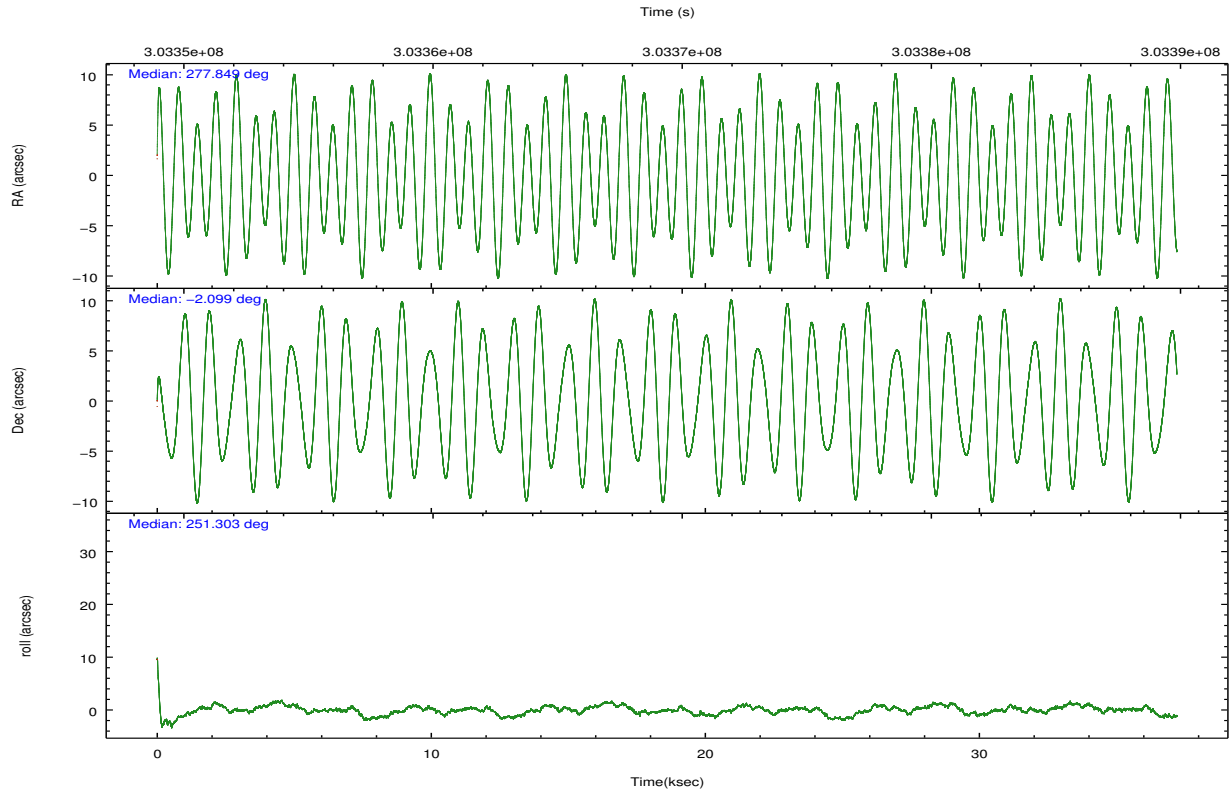
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11462	13480	12218	17812	10450
	3%	4%	3%	5%	3%
grade 1 events	197	172	211	309	166
	0%	0%	0%	0%	0%
grade 2 events	7374	7964	7520	7481	6749
	2%	2%	2%	2%	2%
grade 3 events	3309	3684	3263	3707	3417
	1%	1%	1%	1%	1%
grade 4 events	3280	3669	3257	3604	3294
	1%	1%	1%	1%	1%
grade 5 events	10534	11660	9860	12174	11973
	3%	4%	3%	3%	3%
grade 6 events	5872	7164	5648	6236	6784
	2%	2%	1%	1%	2%
grade 7 events	246294	240484	282323	261420	267233
	85%	83%	87%	83%	86%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	277.843881	277.8493904845632	CCD I2 on	Y	Y
[deg] Pointing Dec	-2.072667	-2.099603087383644	CCD I3 on	Y	Y
[deg] Pointing Roll	251.104297	251.3131901457291	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	303350951.184000	303349834.54039	CCD S5 on	N	N
Observation start date	2007-08-13T00:08:06	2007-08-12T23:50:34	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	303387992.184000	303388224.89223	On-chip summing requested	N	N
Observation end date	2007-08-13T10:25:27	2007-08-13T10:30:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



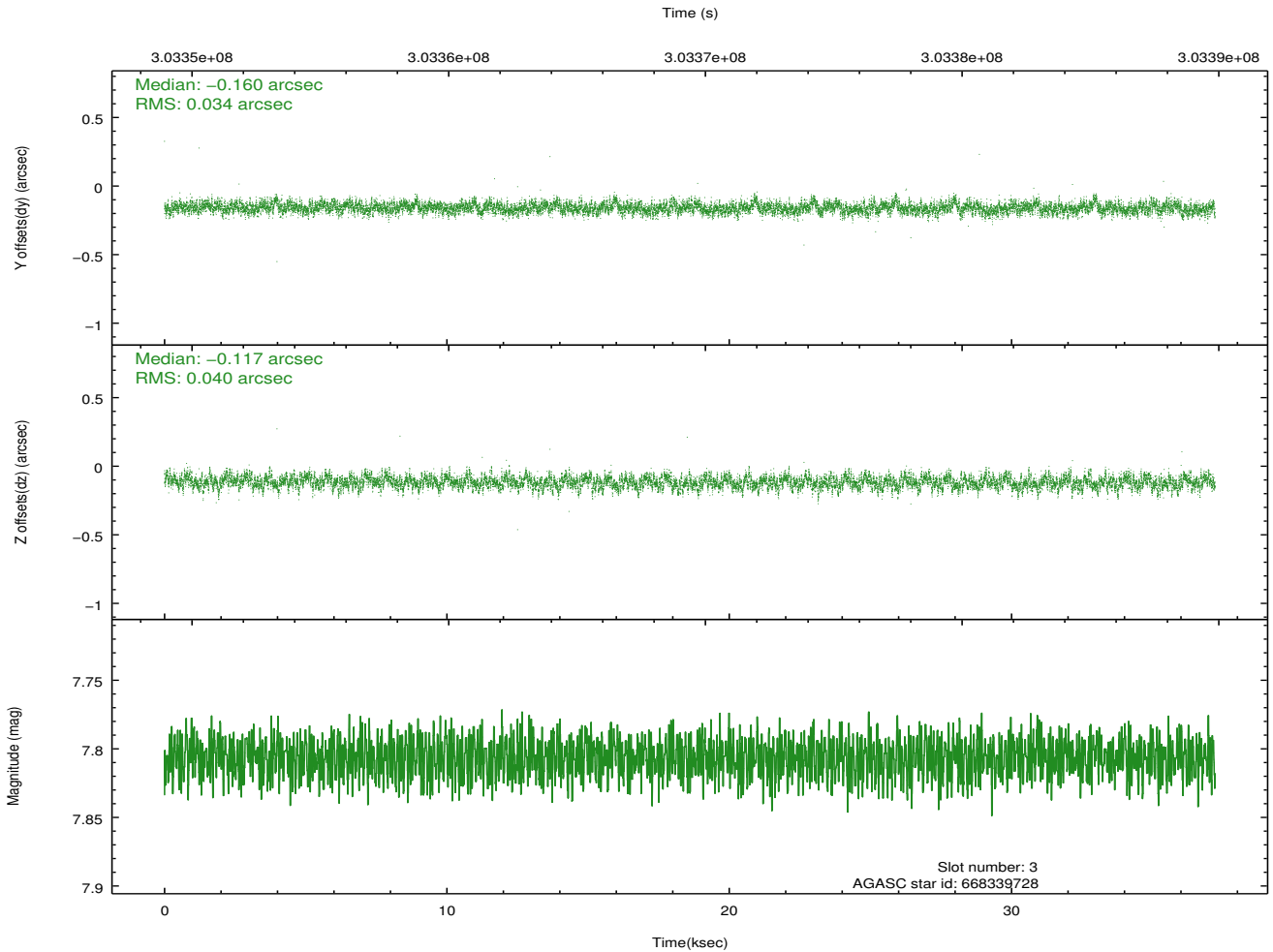
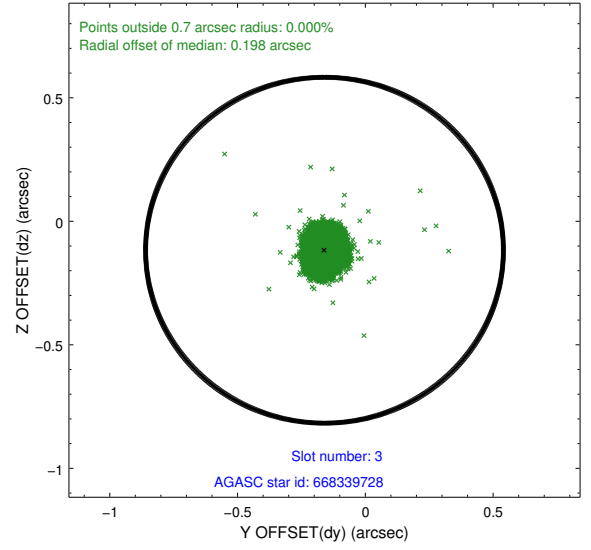
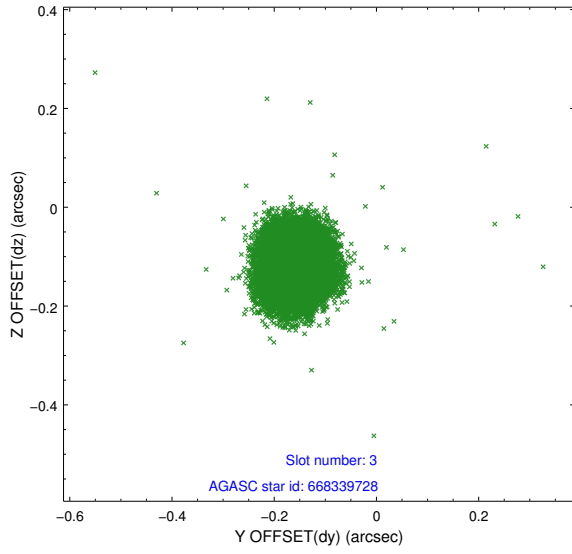


Slot Statistics

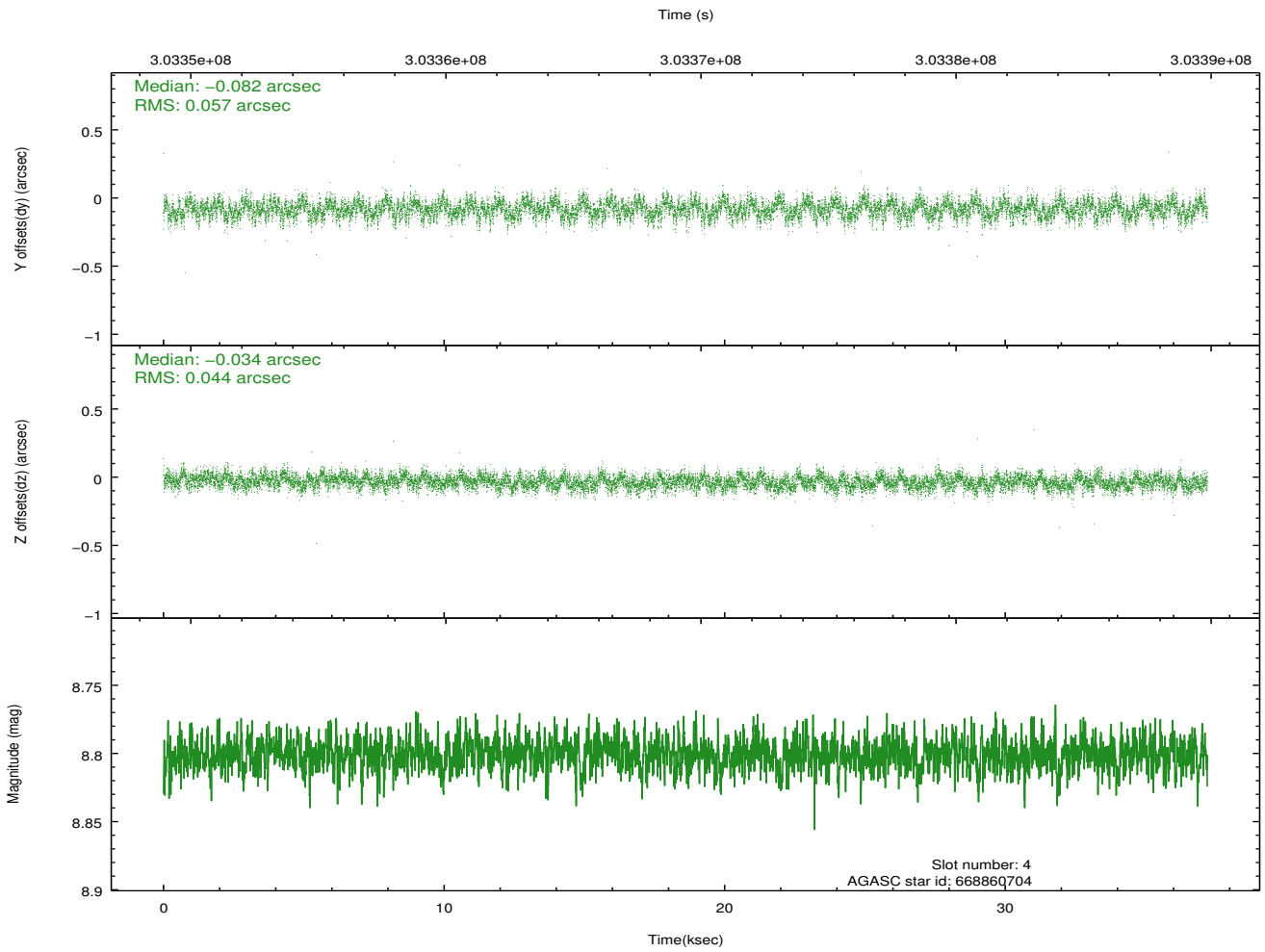
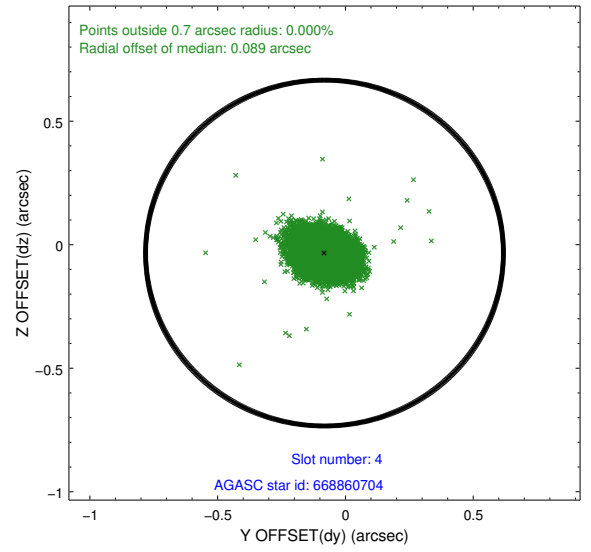
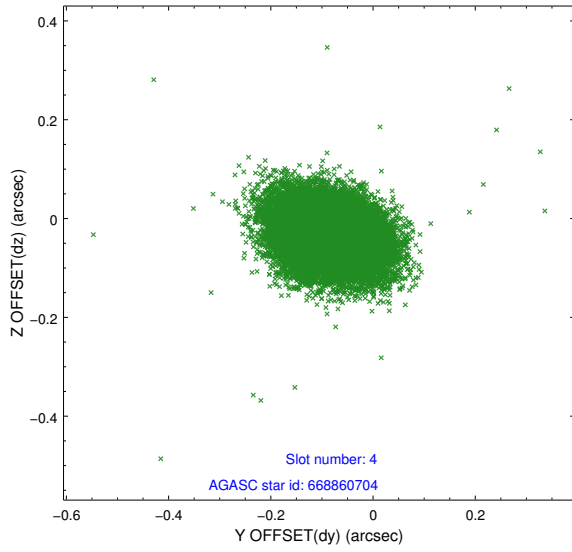
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	9077	-0.007	0.032	0.009	0.015	0.000000	0.000000	925.51	-837.86
1	FID	ACIS-I-4	7.15	9077	0.198	0.005	0.008	0.013	0.000000	0.000000	2145.78	1061.89
2	FID	ACIS-I-5	7.22	9076	-0.289	0.034	0.007	0.013	0.000000	0.000000	-1822.73	1059.83
3	GUIDE	668339728	7.81	18149	-0.160	-0.117	0.055	0.088	277.468367	-1.818103	-427.79	-1573.44
4	GUIDE	668860704	8.80	18143	-0.082	-0.034	0.076	0.124	277.268000	-2.363645	1662.93	-1620.17
5	GUIDE	670567232	9.30	18134	0.029	0.196	0.102	0.162	278.215866	-2.028692	-583.13	1215.60
6	GUIDE	670564456	9.33	18136	0.262	0.087	0.099	0.166	277.534494	-2.590916	2126.37	-447.84
7	GUIDE	670567344	7.82	18148	-0.049	-0.135	0.055	0.087	278.539447	-2.044573	-905.49	2334.83

2.4 Star Slots

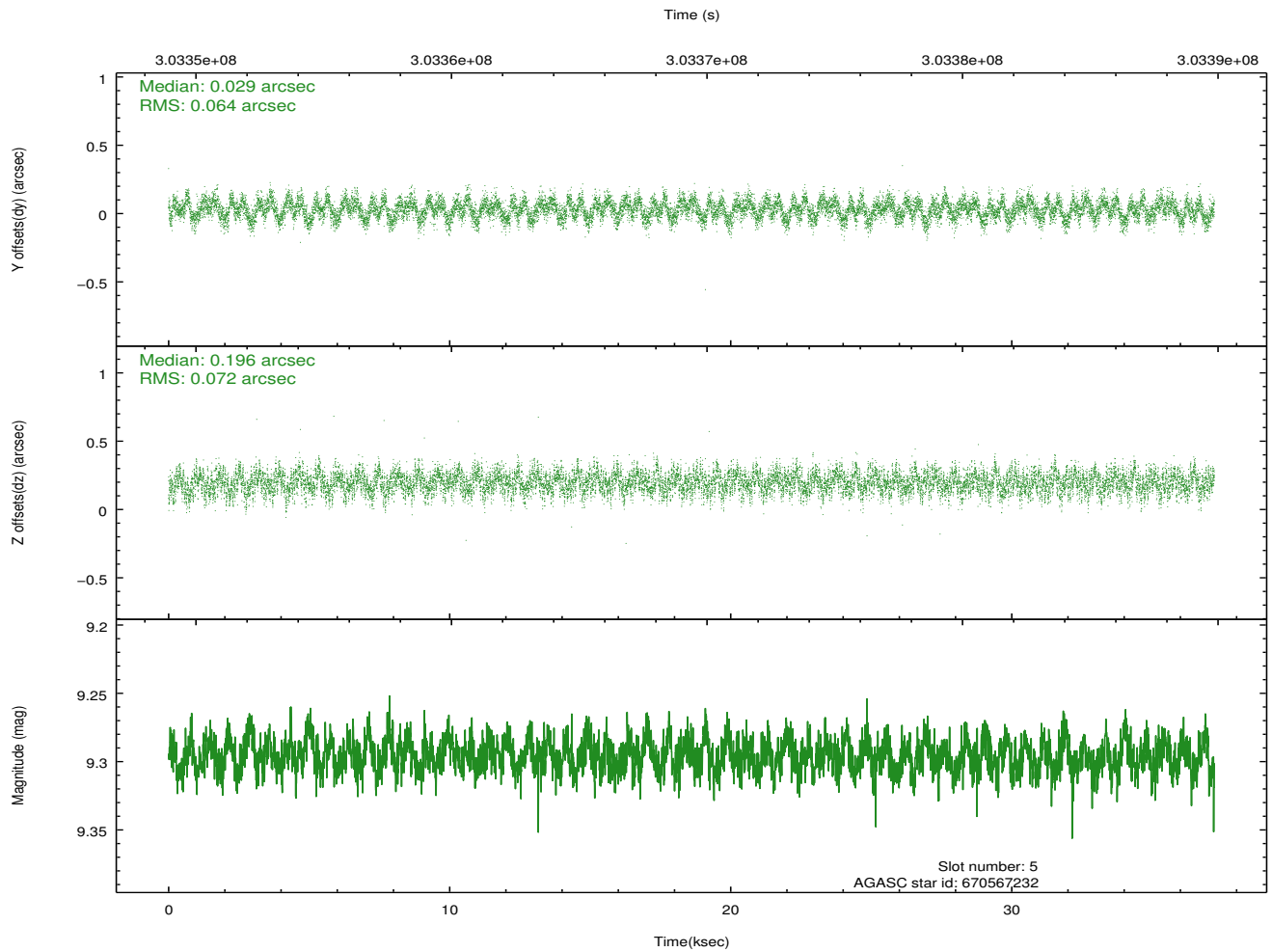
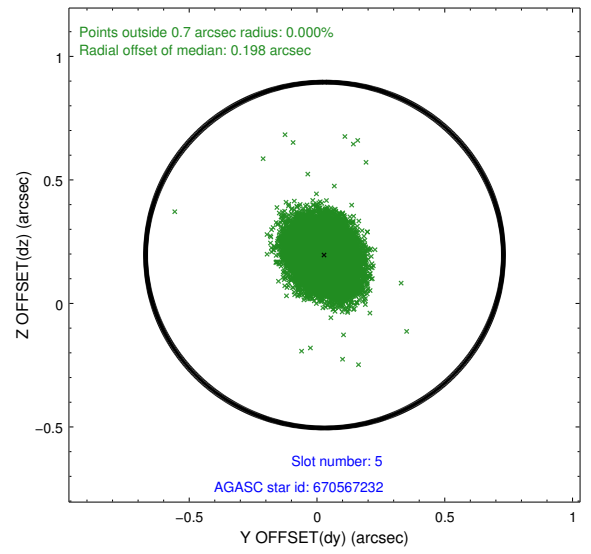
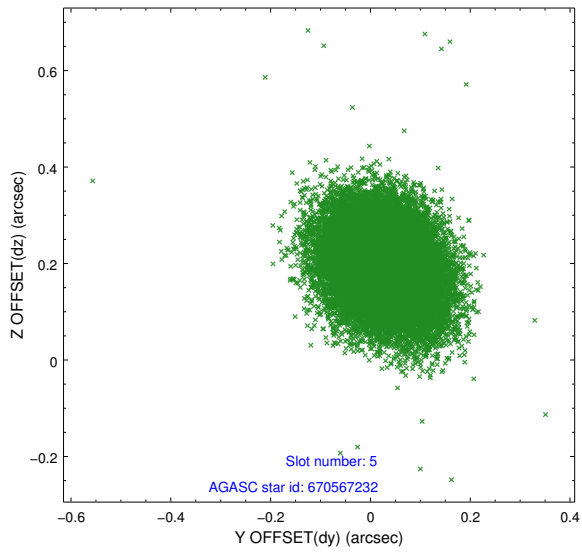
2.4.1 Slot 3



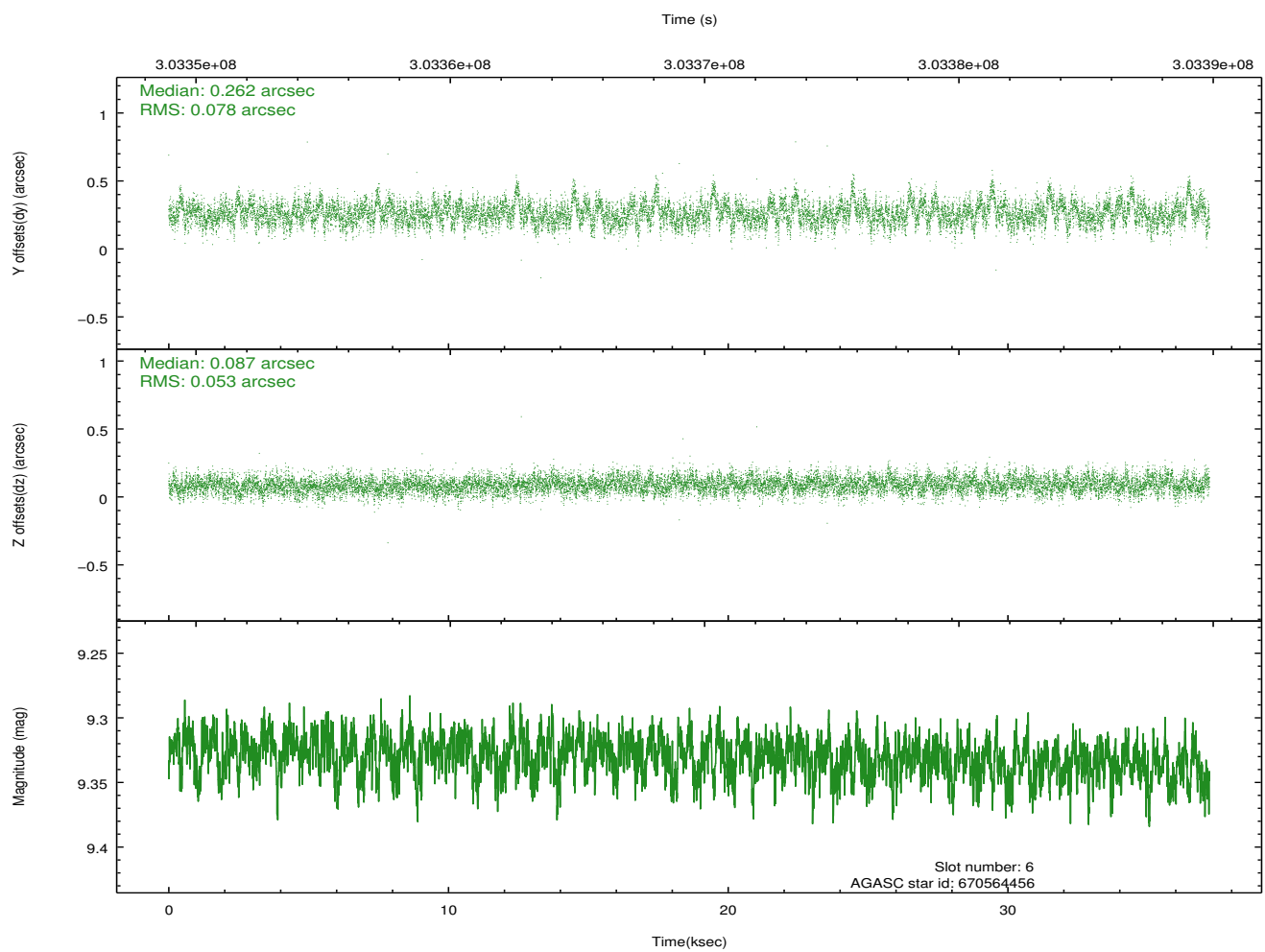
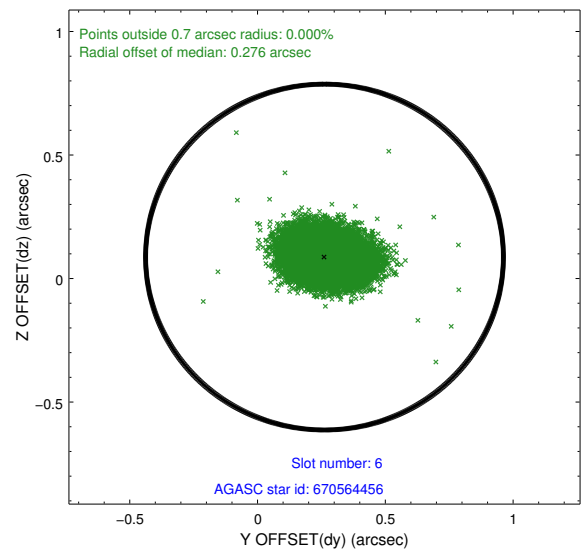
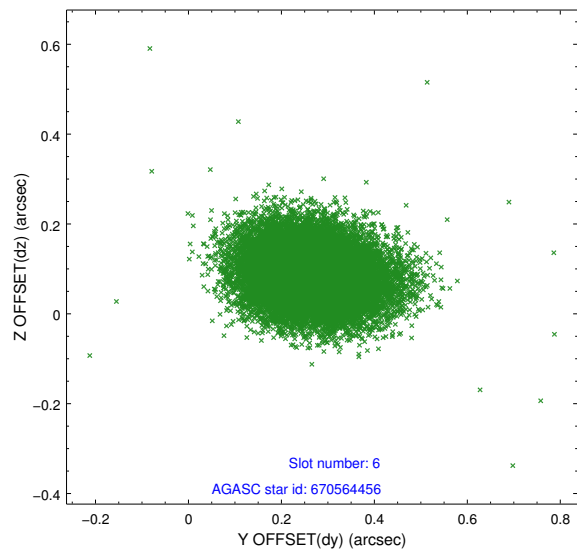
2.4.2 Slot 4



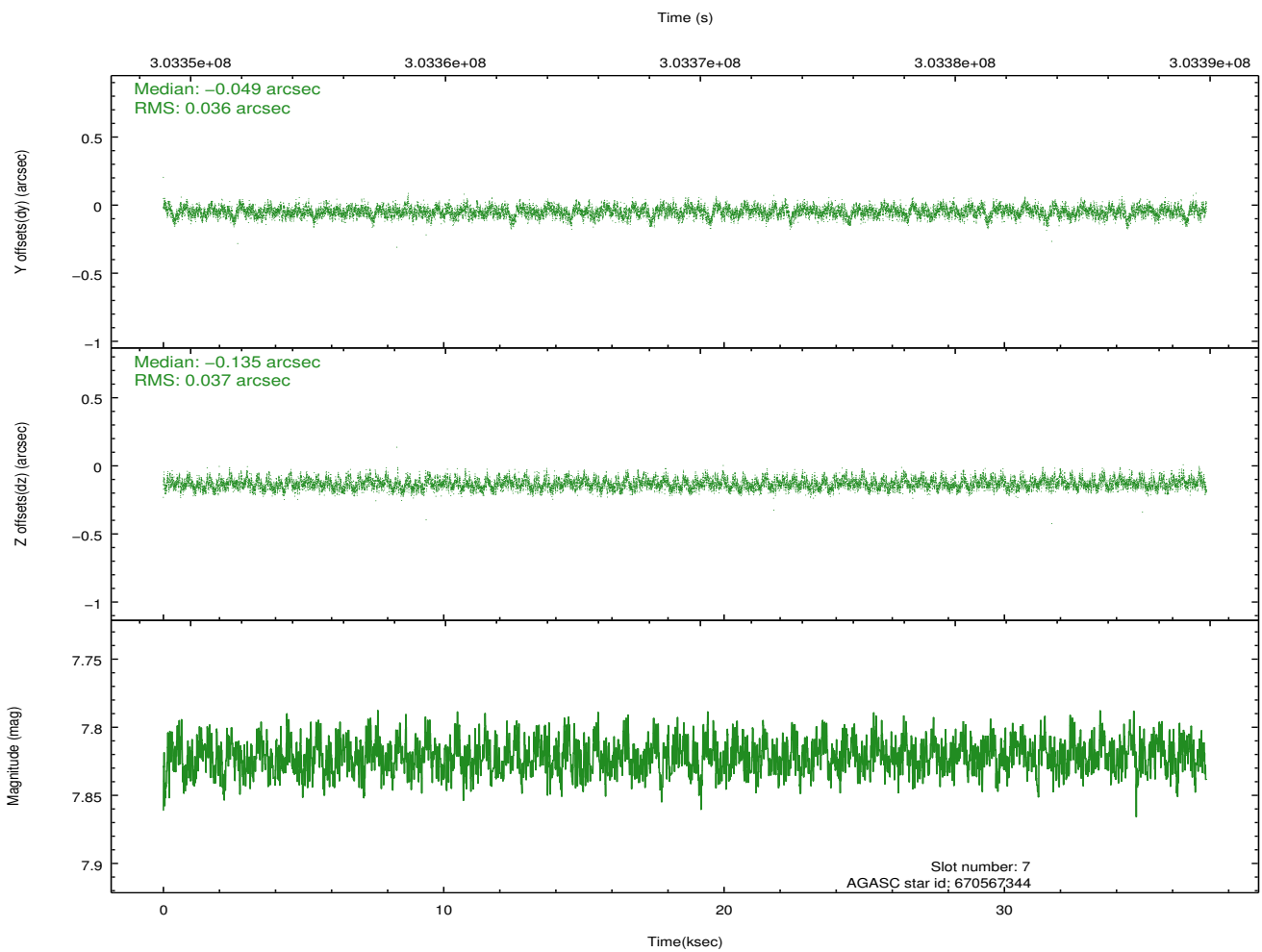
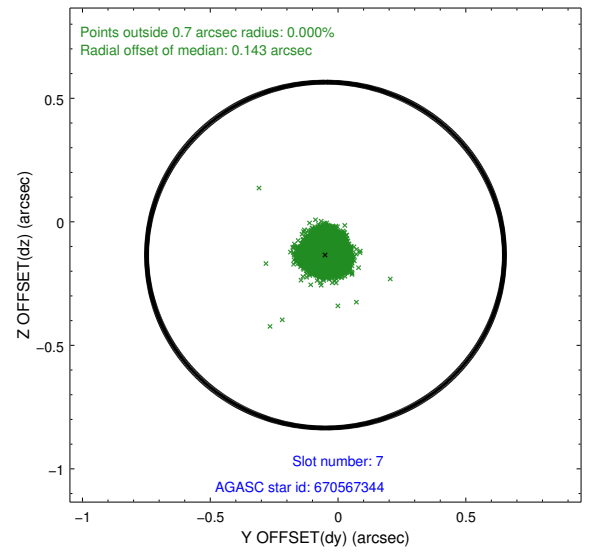
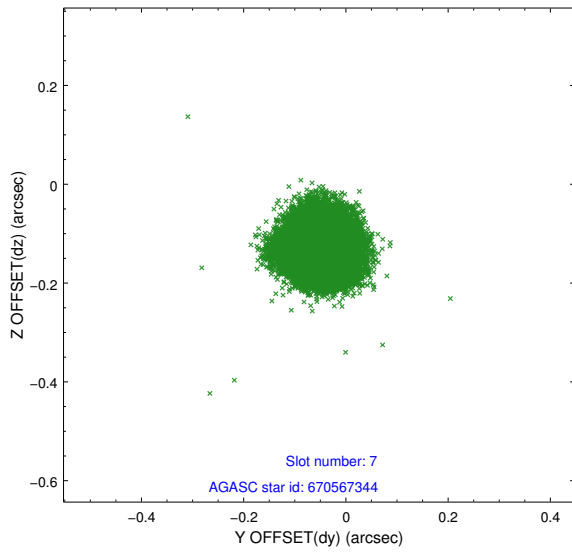
2.4.3 Slot 5



2.4.4 Slot 6

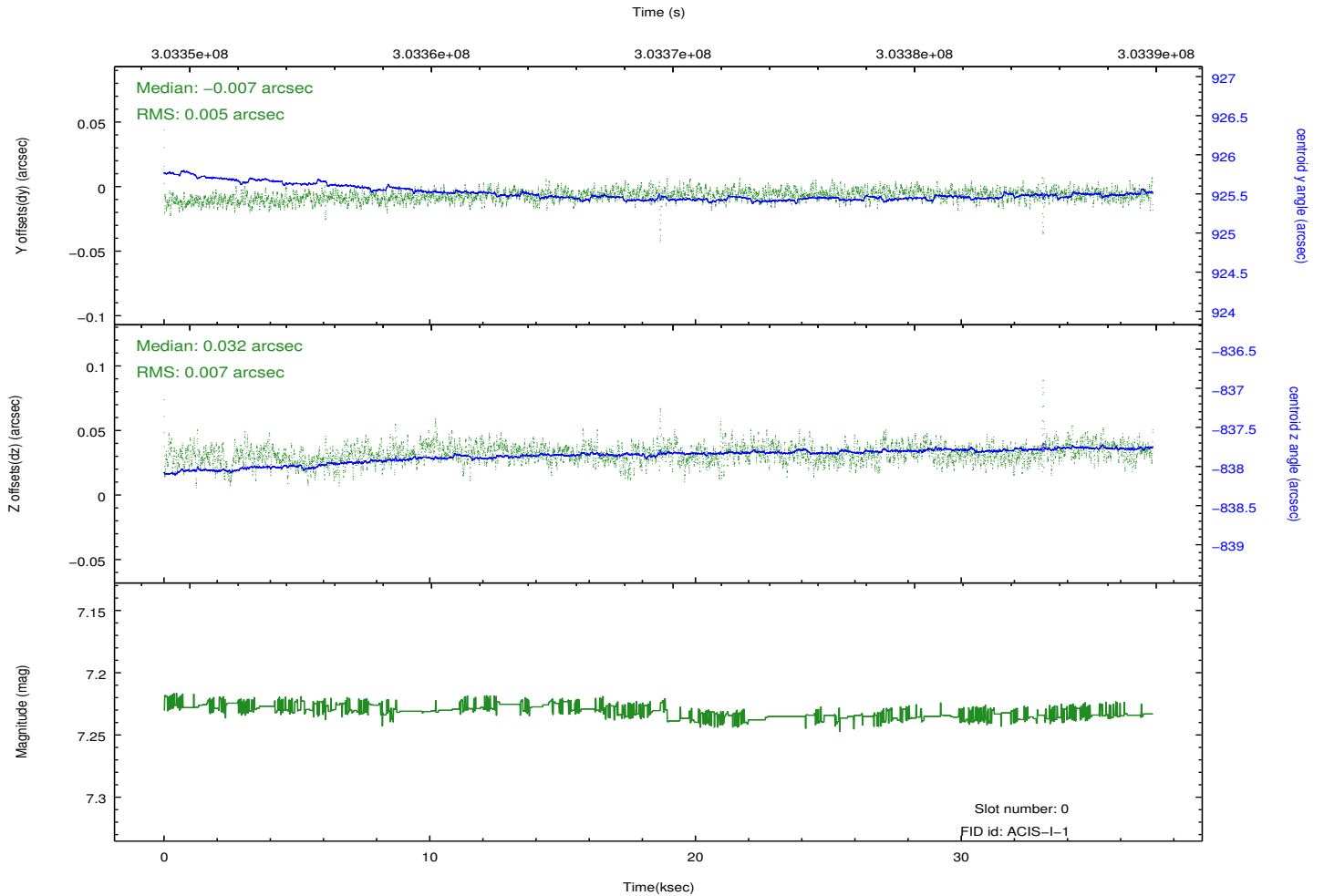
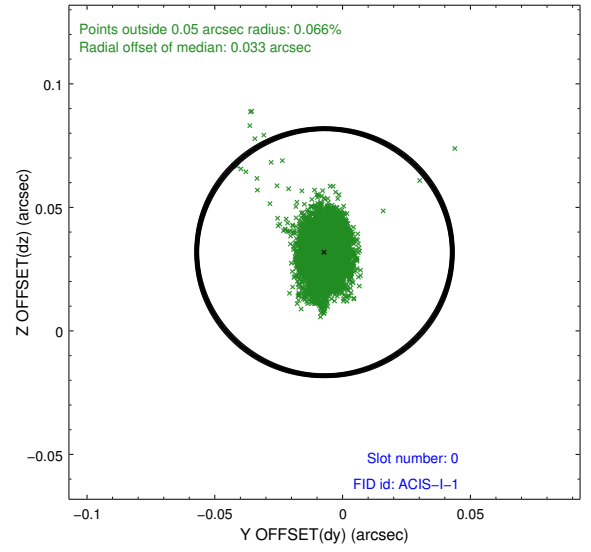
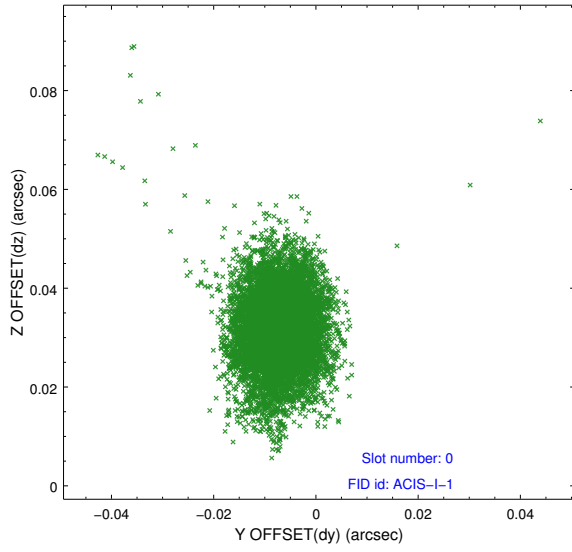


2.4.5 Slot 7

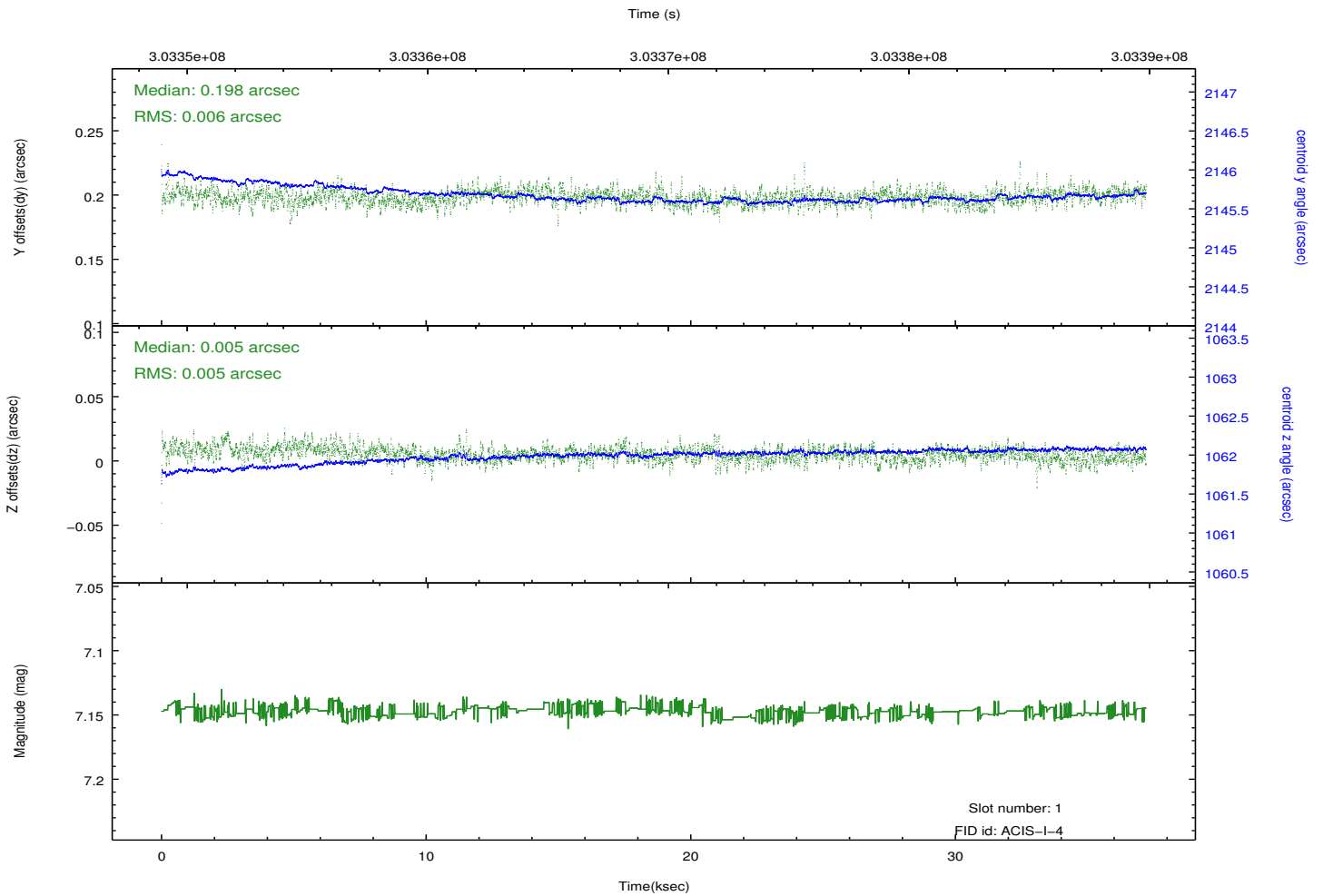
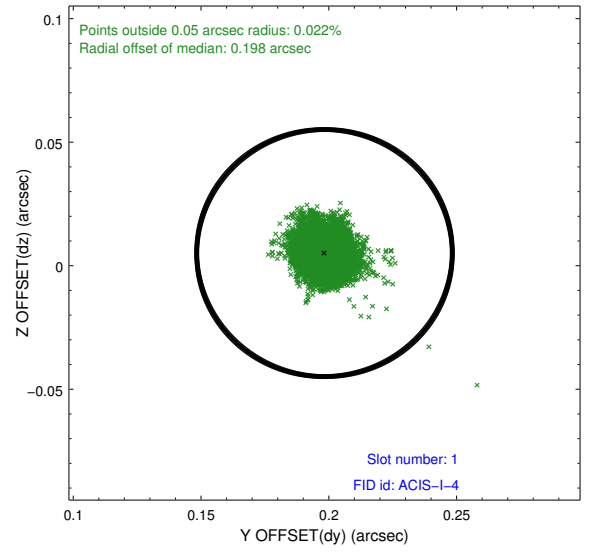
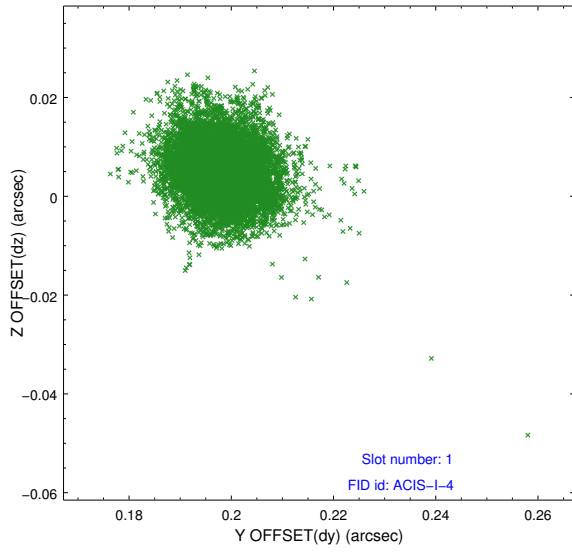


2.5 FID Slots

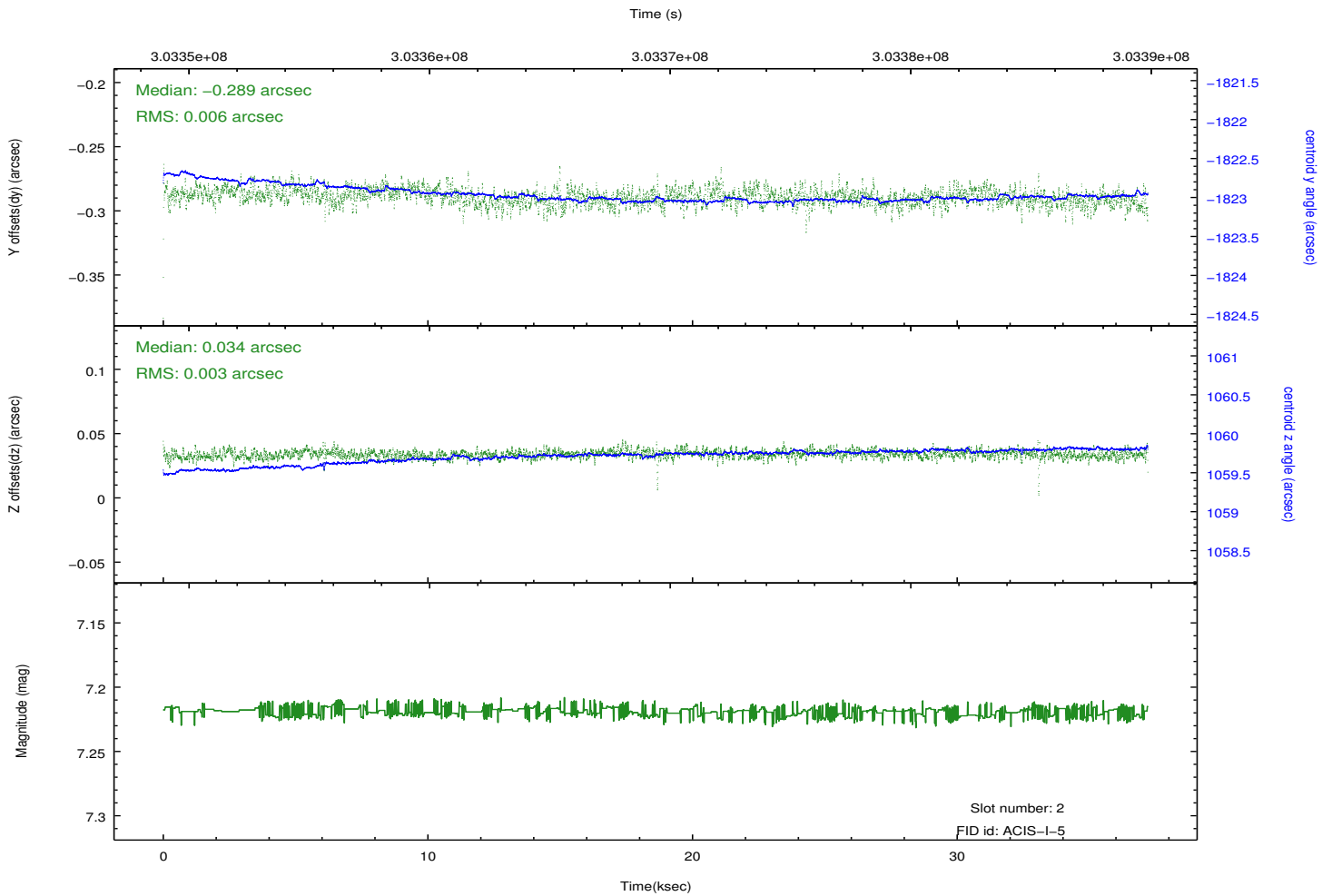
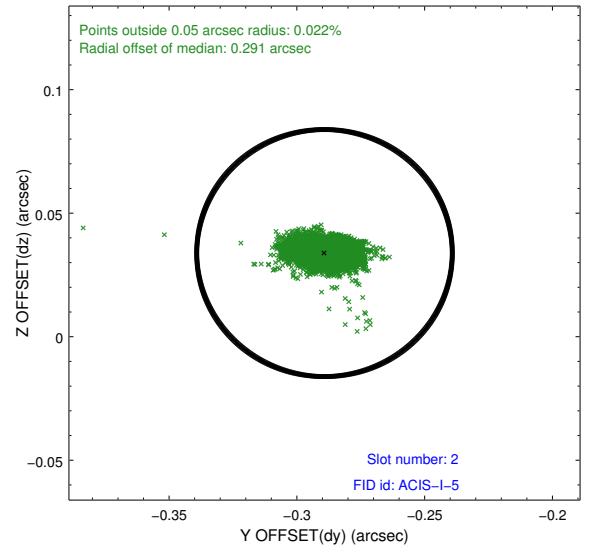
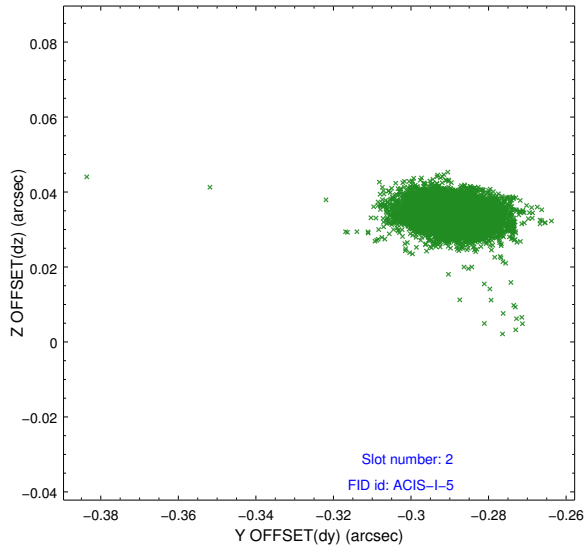
2.5.1 Slot 0



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)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.1936363

A.2 Comments