

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11868 - L2 Version 2
Chandra X-Ray Center

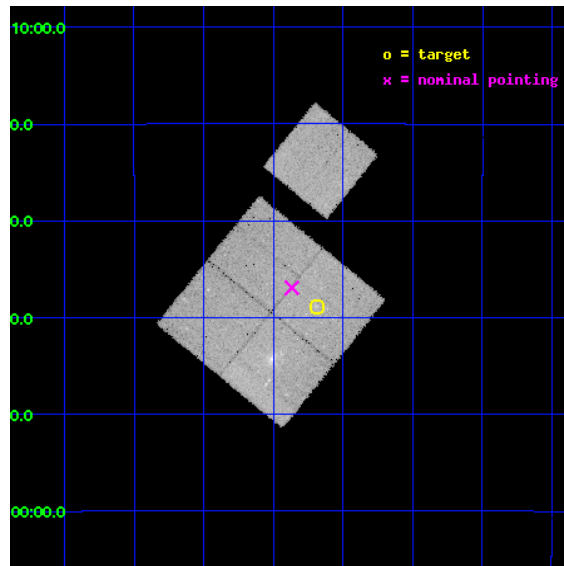
L2 Processing Date : Jun 15 2012

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1 Front

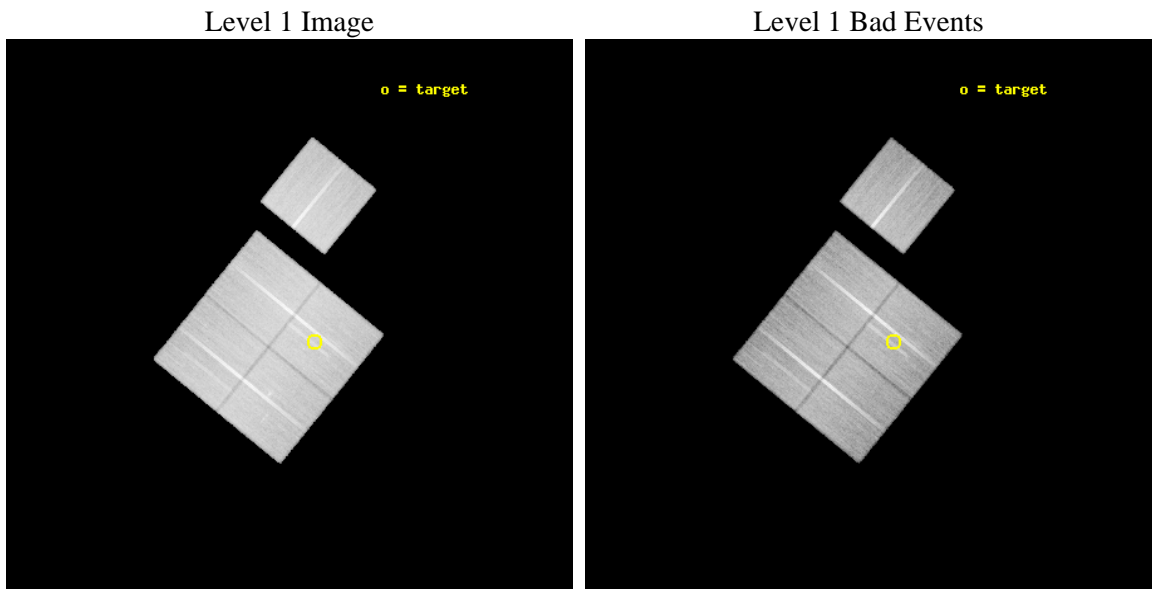
seq_num	800922	Sequence number
obs_id	11868	Observation id
title	CHandra Extended Cluster Cosmology Sample (CHECCS)	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	XMMUJ0152-1338	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	28.172083	Observer's specified target RA [deg]
dec_targ	-13.648417	Observer's specified target Dec [deg]
ra_nom	28.216749814788	Nominal RA [deg]
dec_nom	-13.615599367677	Nominal Dec [deg]
roll_nom	39.13383627428	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40528.141820788	Sum of GTIs [s]
livetime	39998.611811516	Livetime [s]
ontime0	40528.018680811	Sum of GTIs [s]
ontime1	40524.918690741	Sum of GTIs [s]
ontime2	40524.959770262	Sum of GTIs [s]
ontime3	40528.141820788	Sum of GTIs [s]
ontime6	40524.836620629	Sum of GTIs [s]
l2events	158582	Number of level 2 events



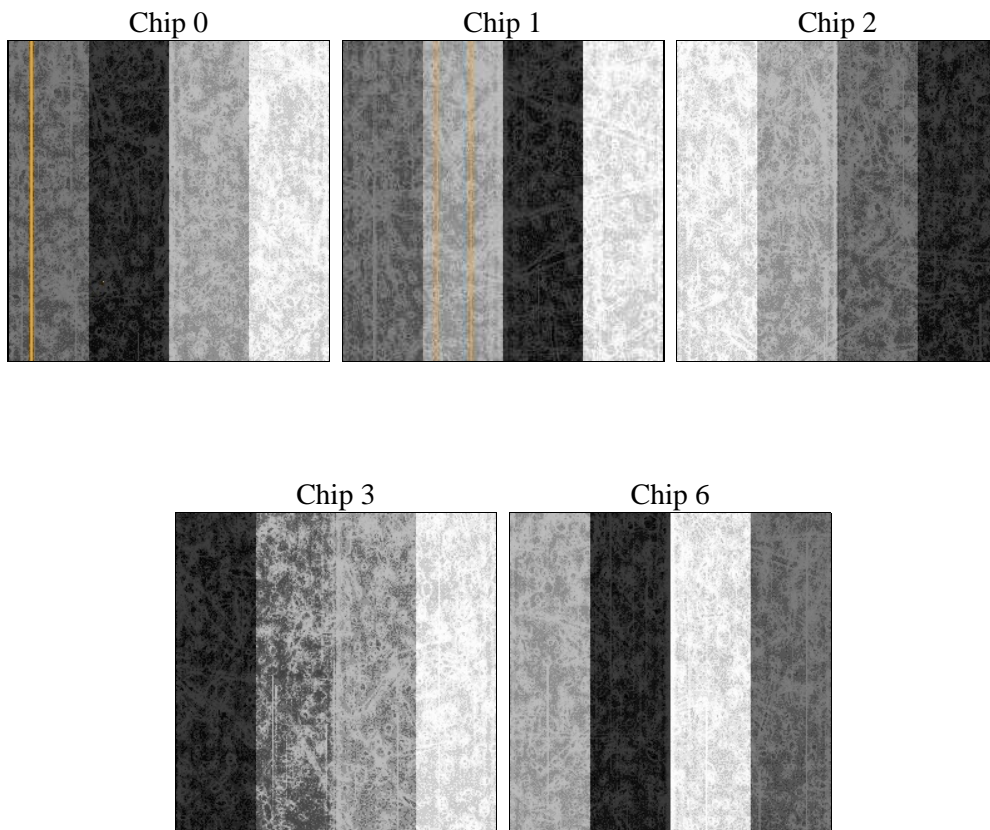
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40490.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40528.141820788	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	40528.018680811	Sum of GTIs [s]
date	2012-06-15T13:57:53	Date and time of file creation	ontime1	40524.918690741	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	40524.959770262	Sum of GTIs [s]
			ontime3	40528.141820788	Sum of GTIs [s]
			ontime6	40524.836620629	Sum of GTIs [s]
			l1events	1746711	Number of level 1 events

2.1.4 Events

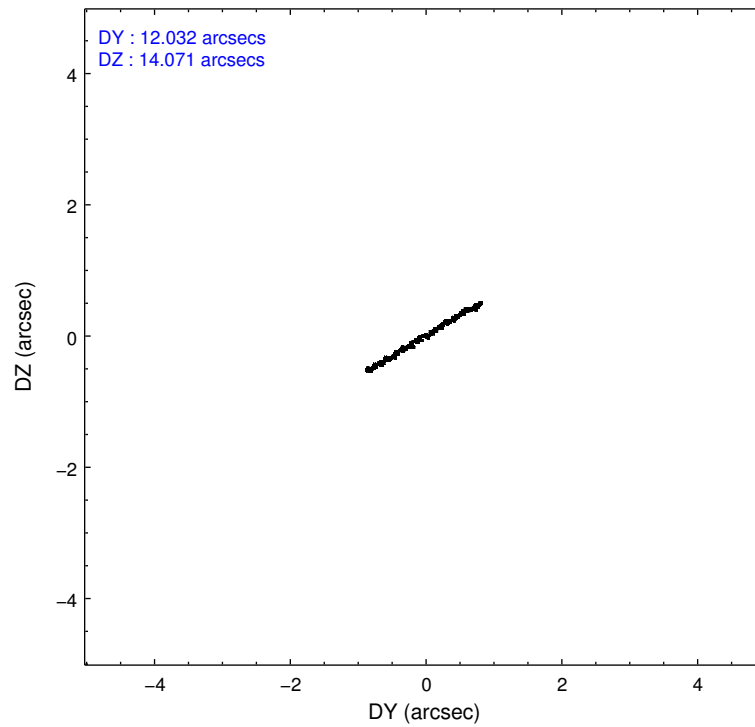
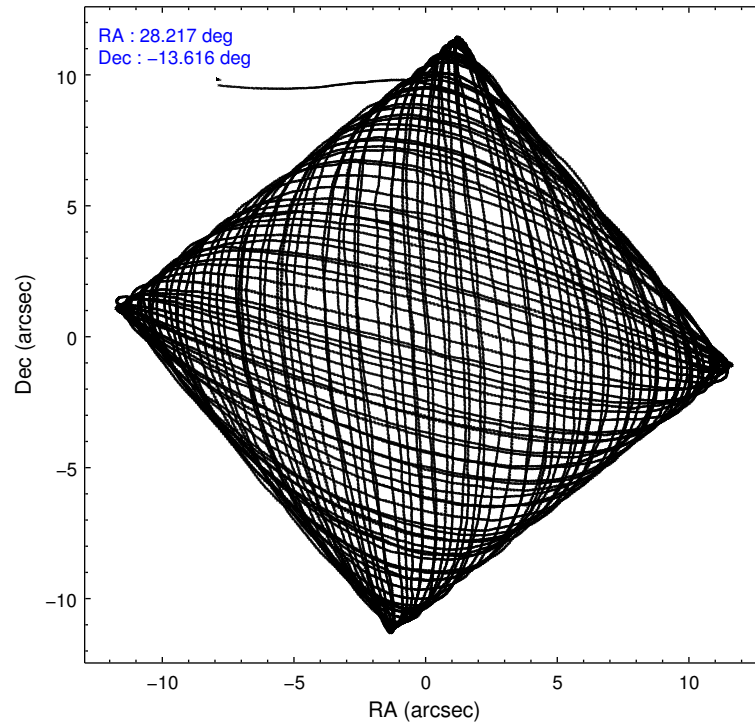
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	331609	336981	366424	352949	358748
rejected events	295351	291323	330659	317946	321698
rejected %	89%	86%	90%	90%	89%

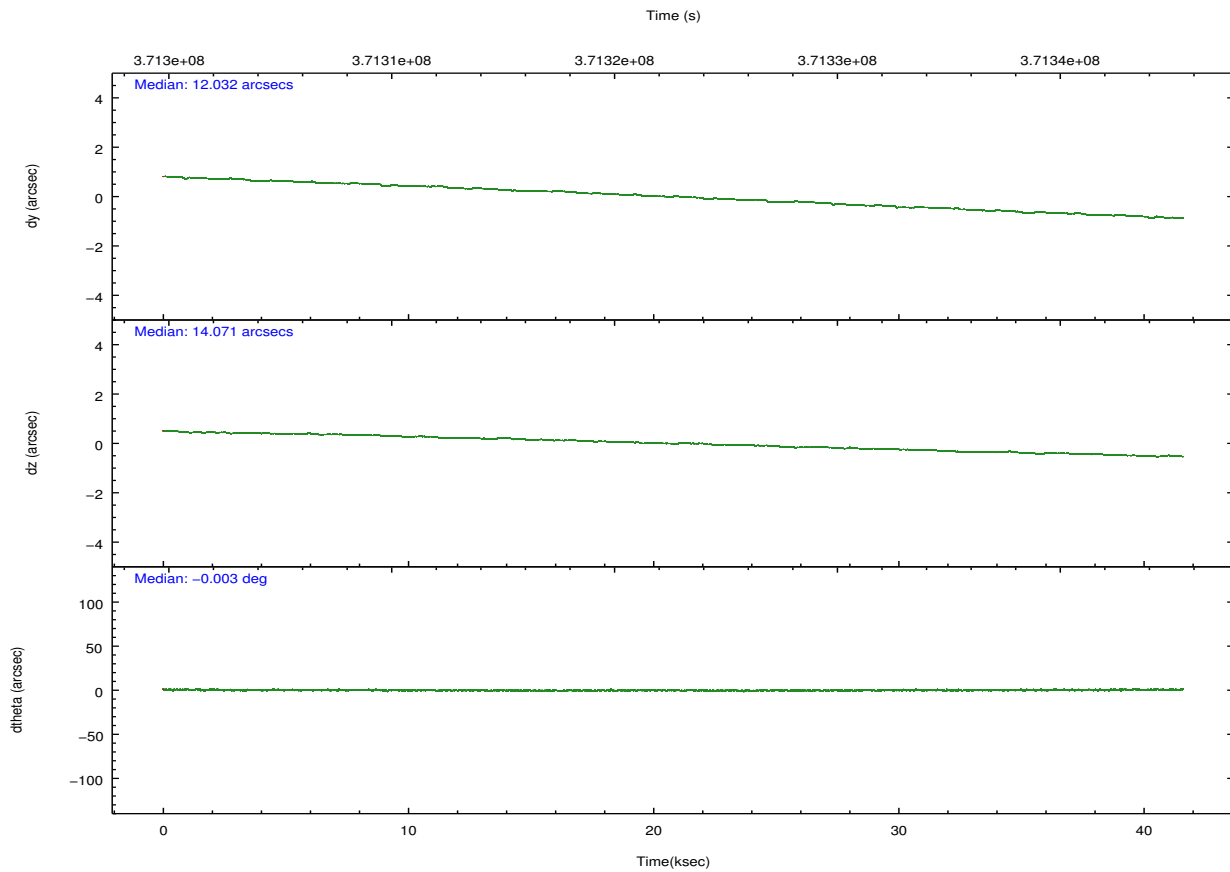
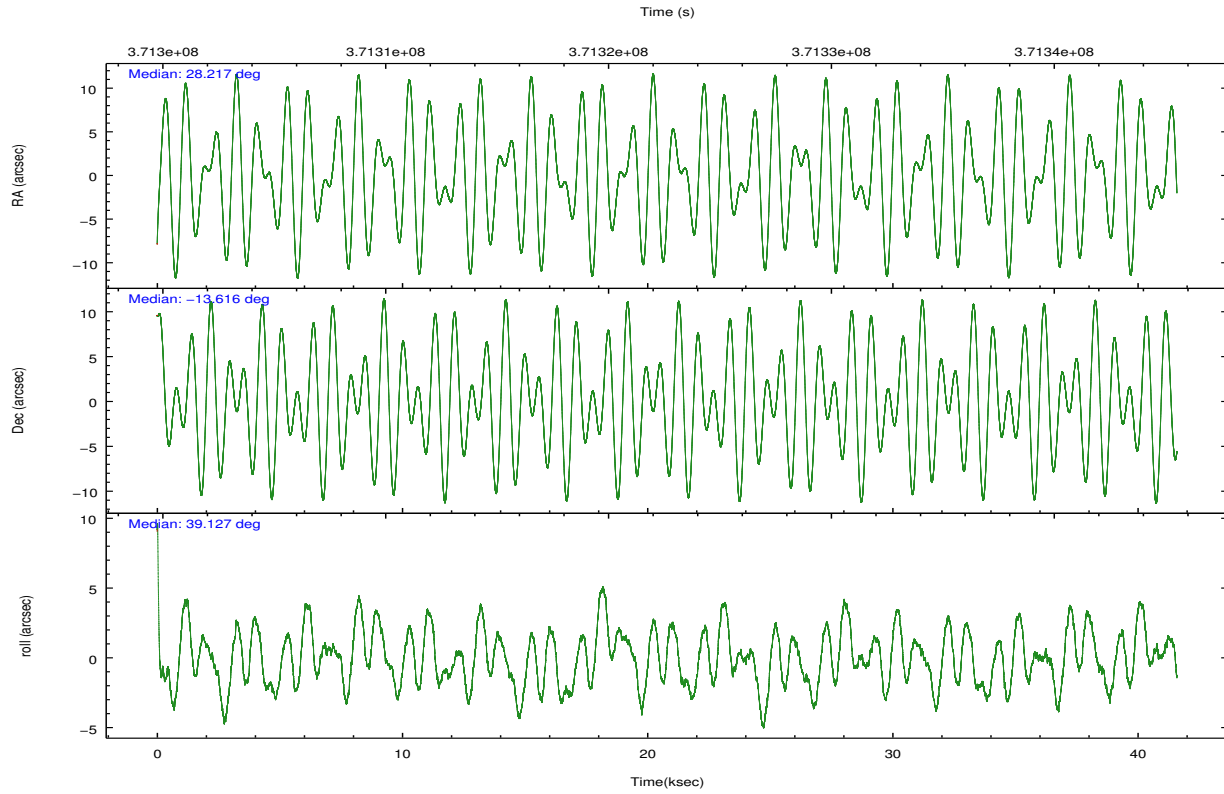
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	12688	19018	12866	12844	12868
	3%	5%	3%	3%	3%
grade 1 events	196	215	204	224	167
	0%	0%	0%	0%	0%
grade 2 events	8956	9732	8670	7532	8290
	2%	2%	2%	2%	2%
grade 3 events	3941	4338	3664	3780	3878
	1%	1%	0%	1%	1%
grade 4 events	3714	4205	3801	3747	3920
	1%	1%	1%	1%	1%
grade 5 events	12986	14392	12505	14732	14403
	3%	4%	3%	4%	4%
grade 6 events	6960	8368	6770	7106	8096
	2%	2%	1%	2%	2%
grade 7 events	282168	276713	317944	302984	307126
	85%	82%	86%	85%	85%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	28.206760	28.21674981478754	Subarray requested	NONE	NONE
[deg] Pointing Dec	-13.641338	-13.61559936767705	Alternating exposures requested	N	N
[deg] Pointing Roll	38.922794	39.13383627428035	[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	-225.840463	-225.8433433320239			
[mm] SIM translation stage offset	-7.752	-7.749109670905796			
[s] Observation start time (MET)	371302738.184000	371301131.78905			
Observation start date	2009-10-07T11:37:52	2009-10-07T11:12:11			
[s] Observation end time (MET)	371343228.184000	371344136.17871			
Observation end date	2009-10-07T22:52:42	2009-10-07T23:08:56			
Read mode	TIMED	TIMED			

2.3 Aspect



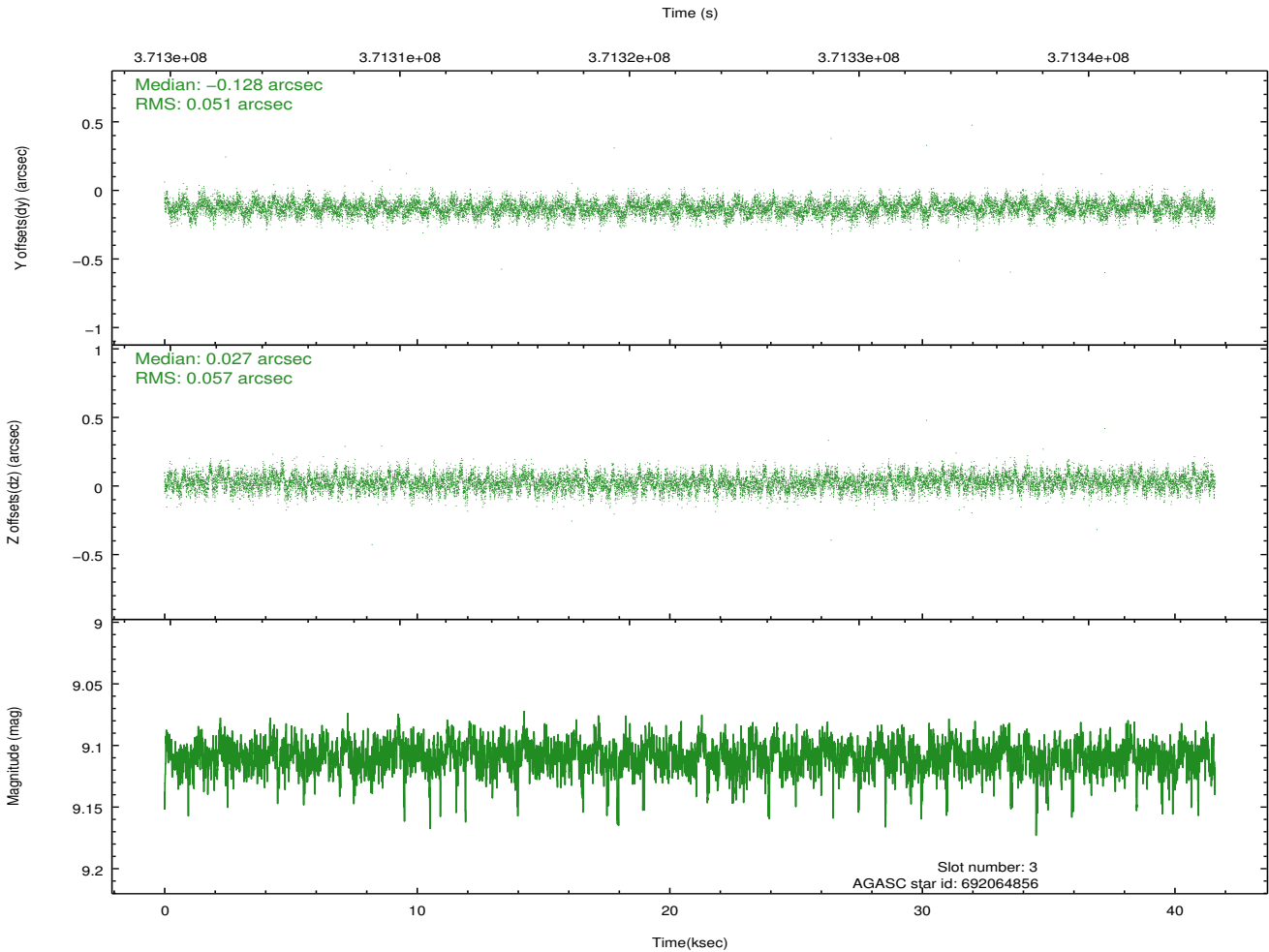
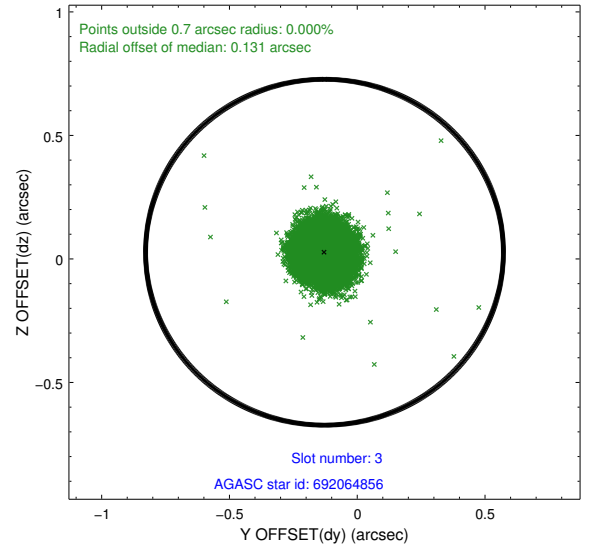
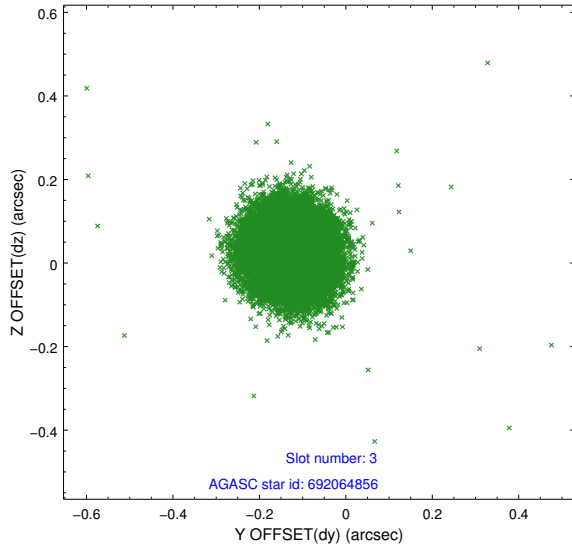


Slot Statistics

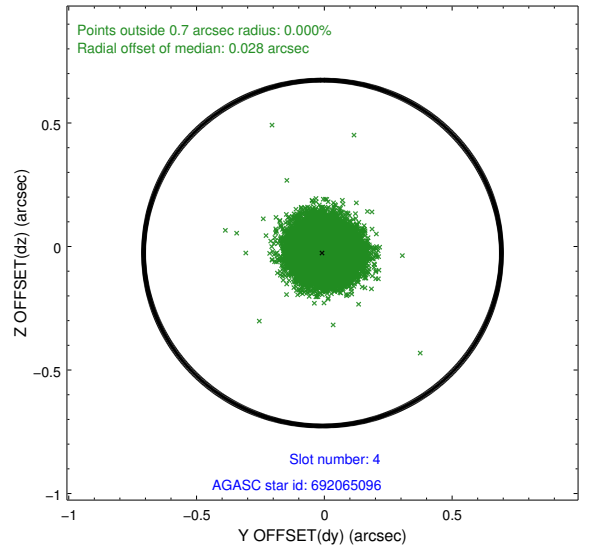
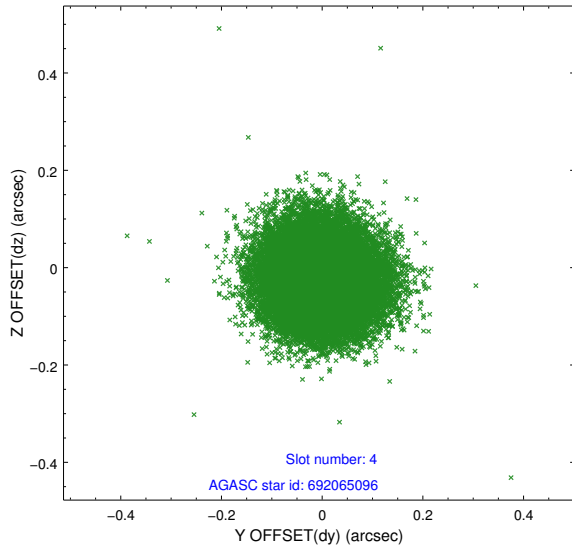
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	10145	0.095	-0.082	0.011	0.018	0.000000	0.000000	927.50	-996.79
1	FID	ACIS-I-5	7.02	10143	-0.237	0.081	0.015	0.024	0.000000	0.000000	-1820.97	900.79
2	FID	ACIS-I-6	7.05	10143	0.048	0.070	0.014	0.026	0.000000	0.000000	392.94	1545.34
3	GUIDE	692064856	9.11	20266	-0.128	0.027	0.081	0.129	27.844359	-13.441810	-536.55	1355.54
4	GUIDE	692065096	9.25	20269	-0.007	-0.027	0.091	0.145	28.419979	-13.250038	1465.95	624.95
5	GUIDE	692065760	8.86	20279	-0.223	0.228	0.081	0.130	28.134676	-14.541960	-2232.60	-2364.57
6	GUIDE	692066072	8.18	20285	-0.113	-0.058	0.064	0.103	27.518624	-13.704241	-2017.03	1333.16
7	GUIDE	692068240	8.92	20272	0.470	-0.172	0.112	0.175	28.031376	-14.077680	-1462.83	-837.53

2.4 Star Slots

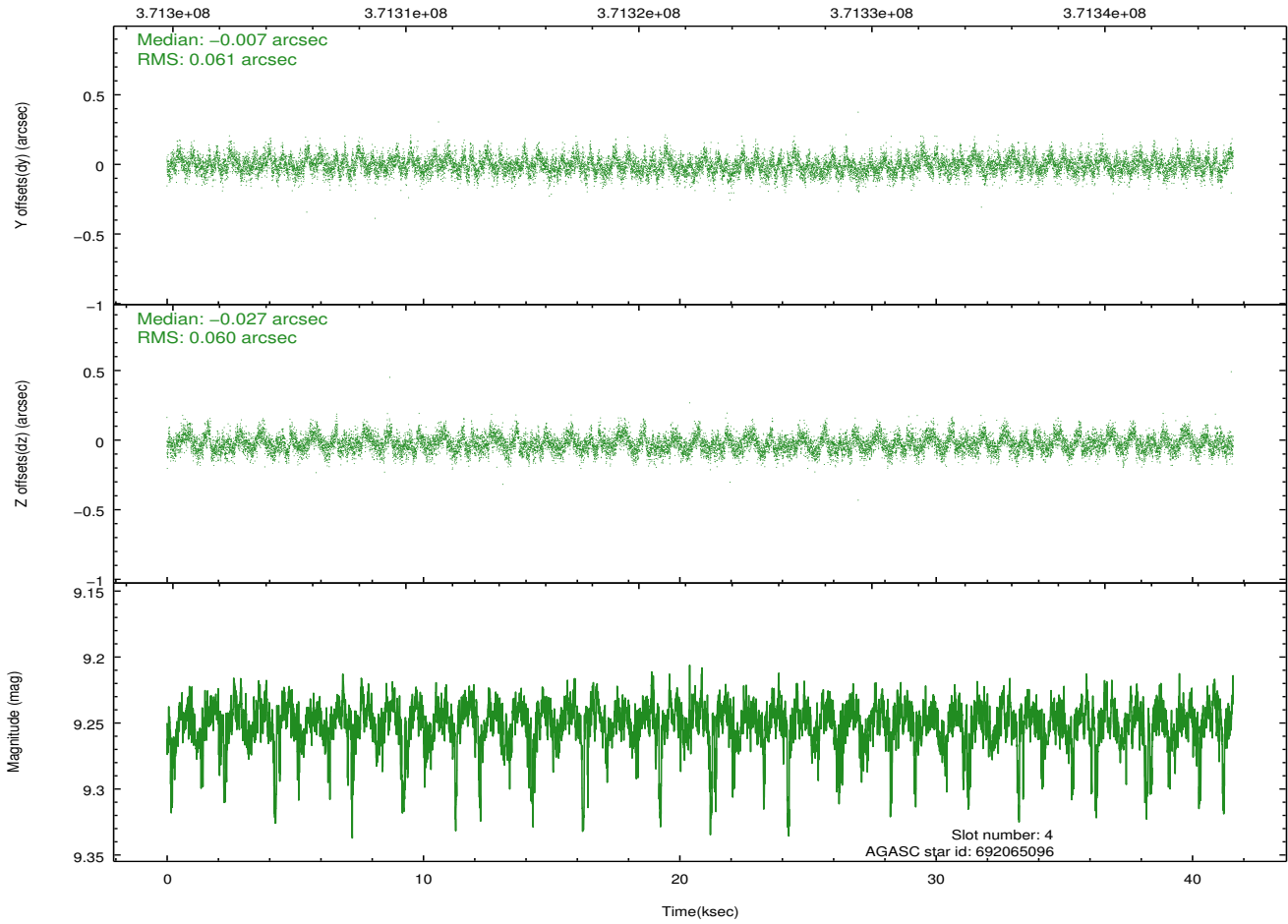
2.4.1 Slot 3



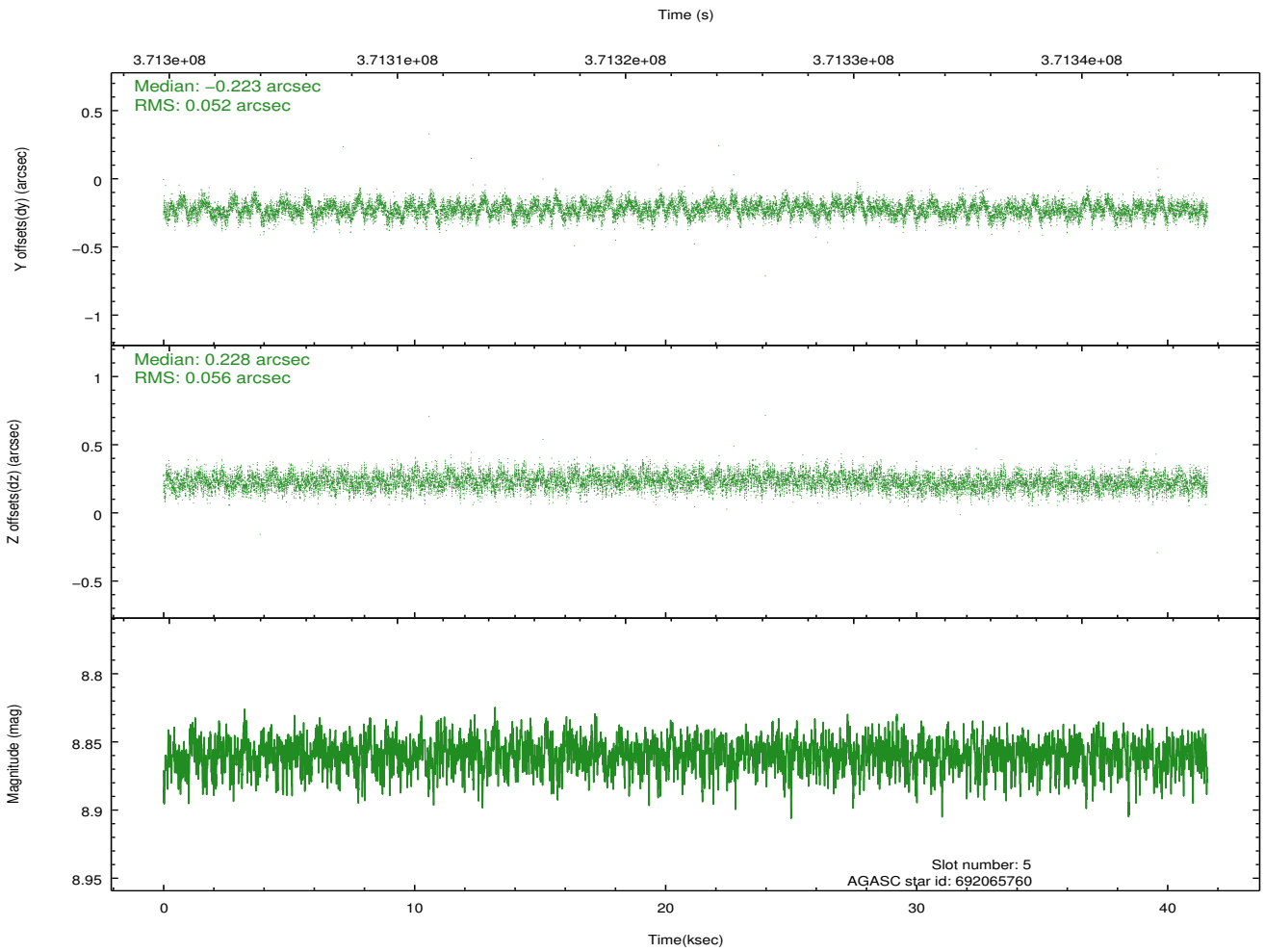
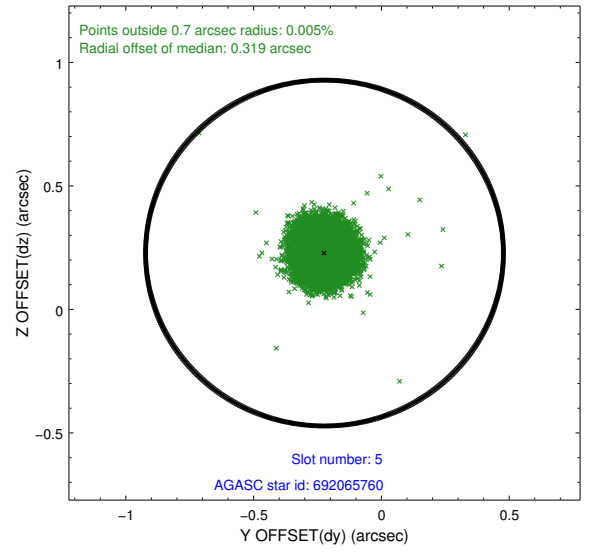
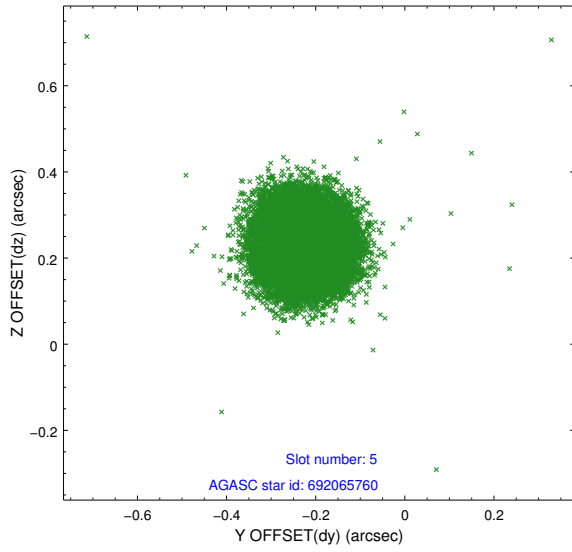
2.4.2 Slot 4



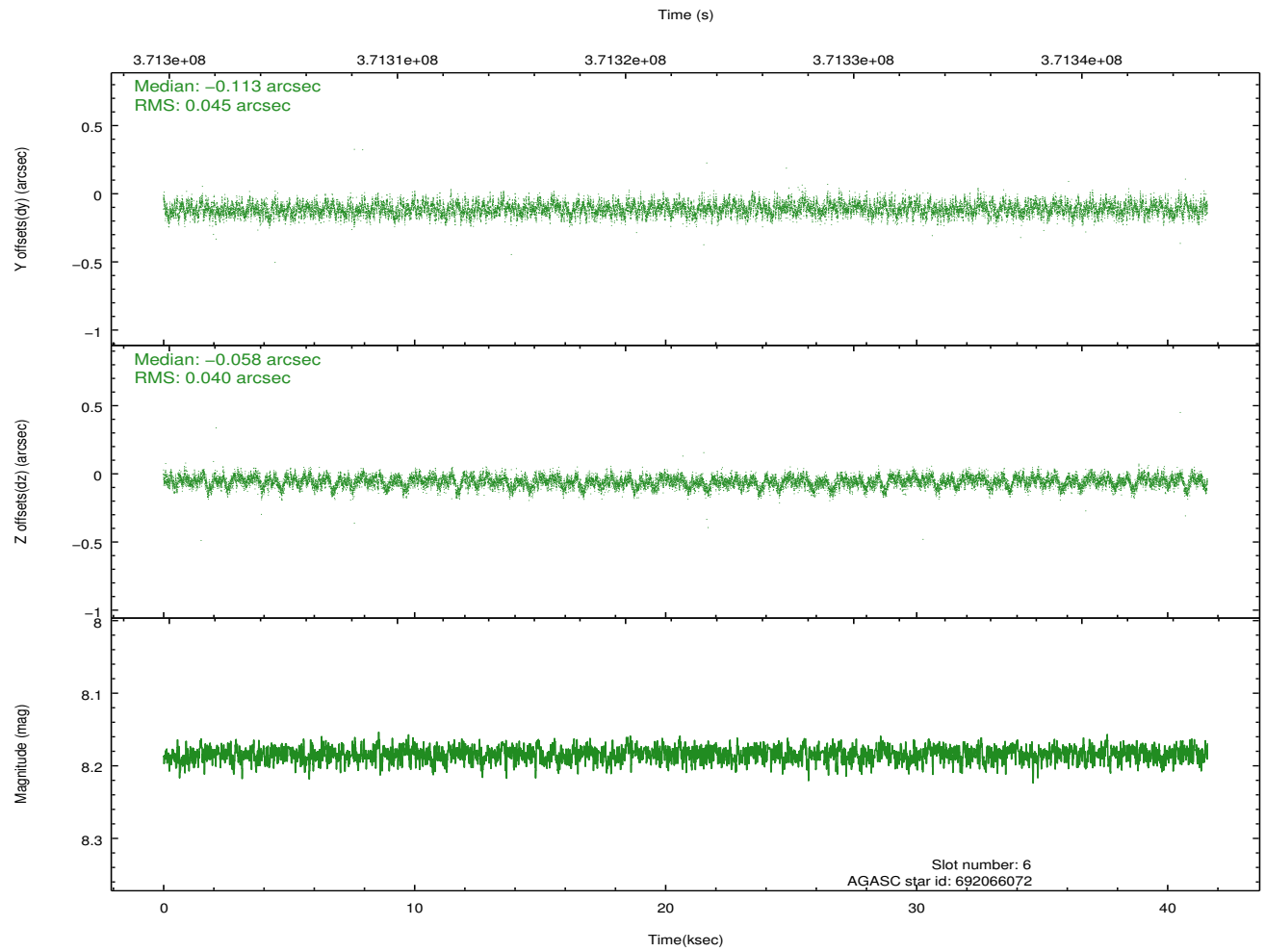
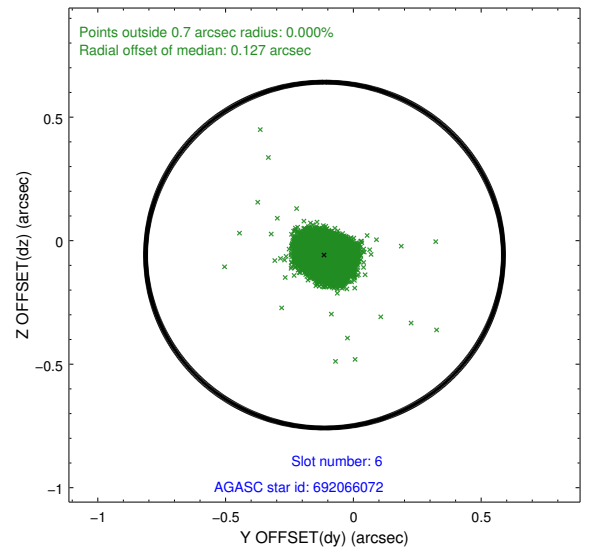
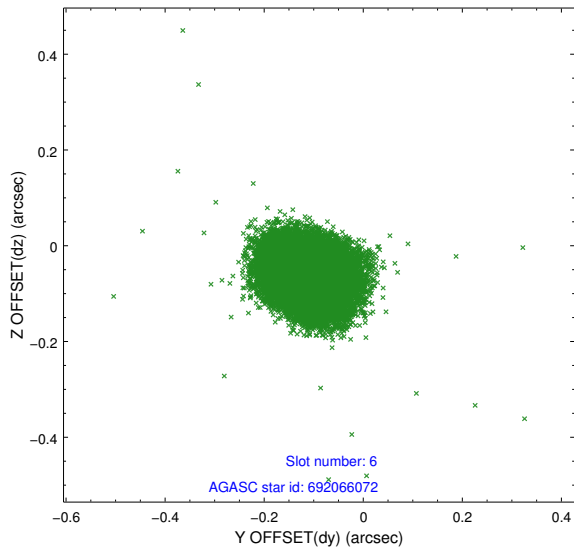
Time (s)



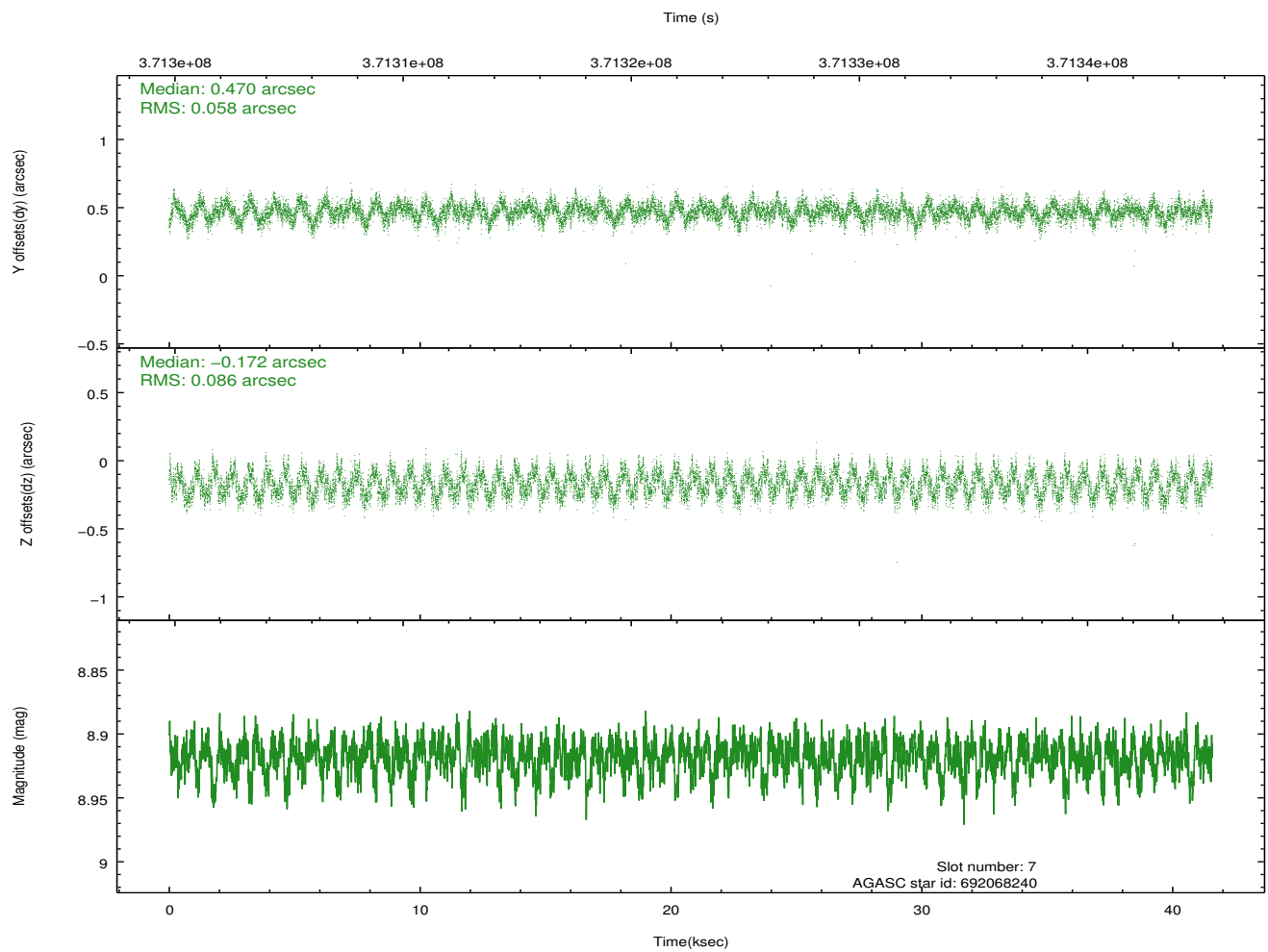
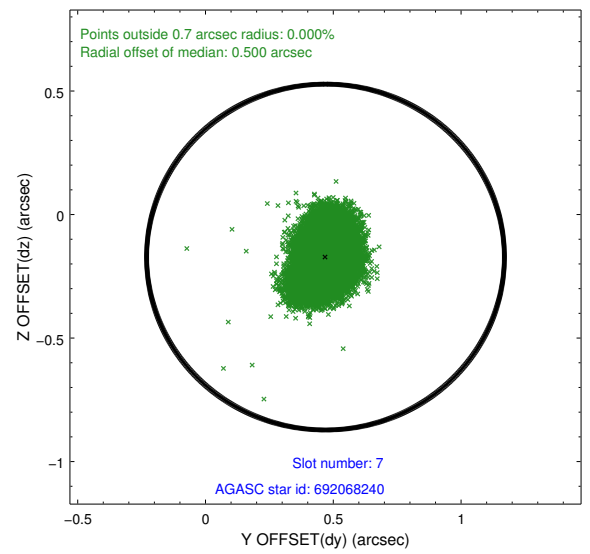
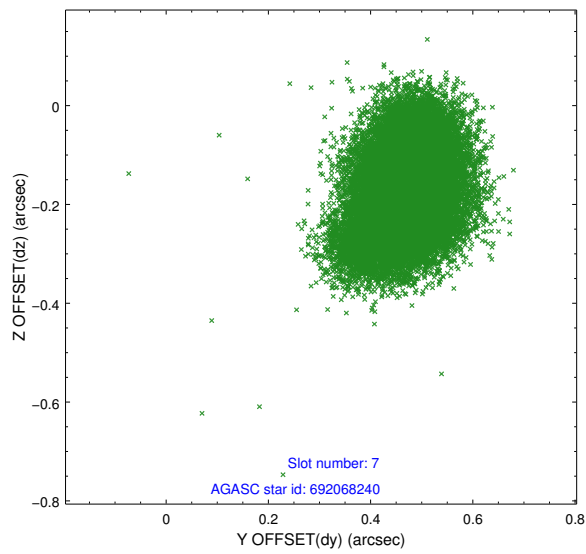
2.4.3 Slot 5



2.4.4 Slot 6

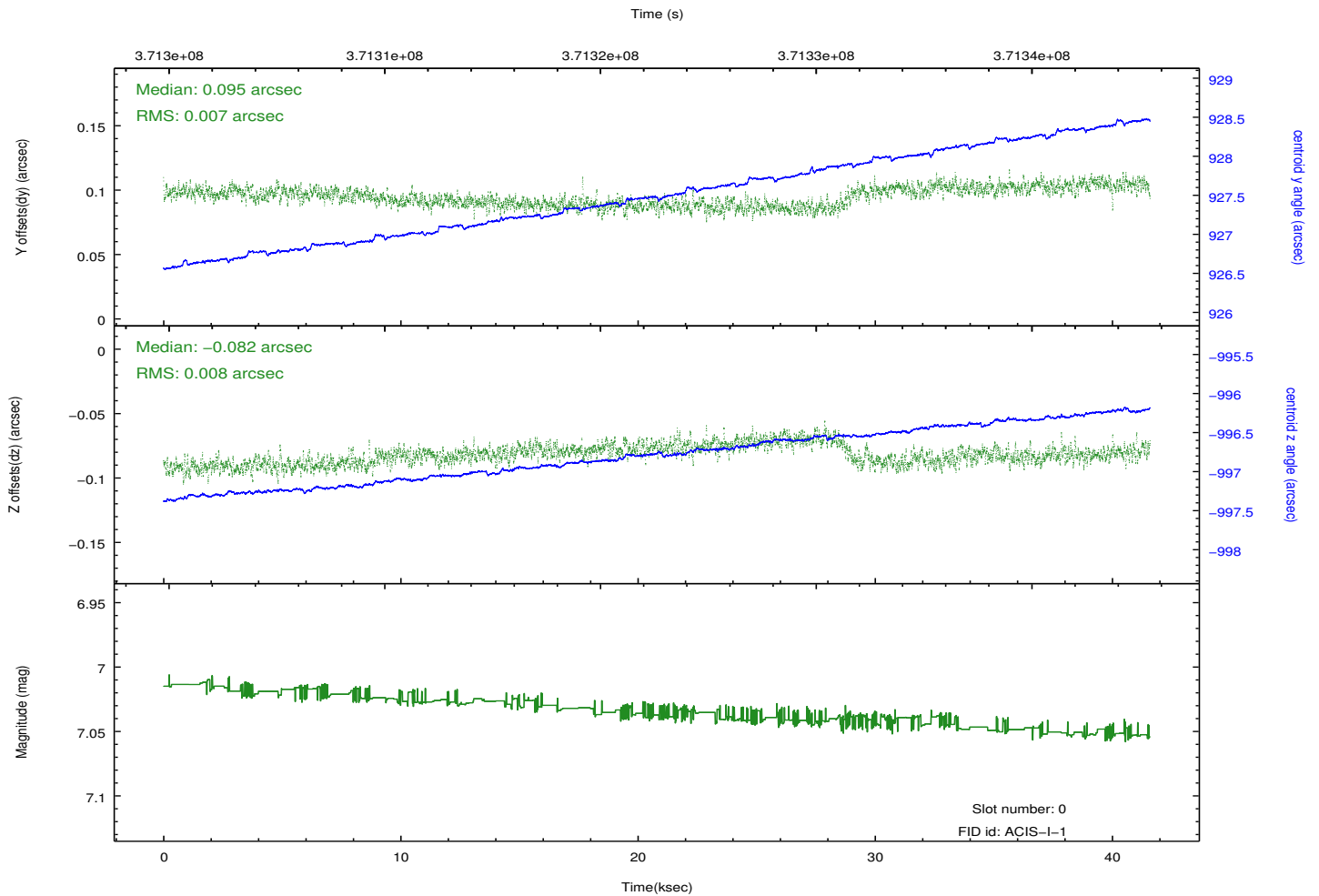
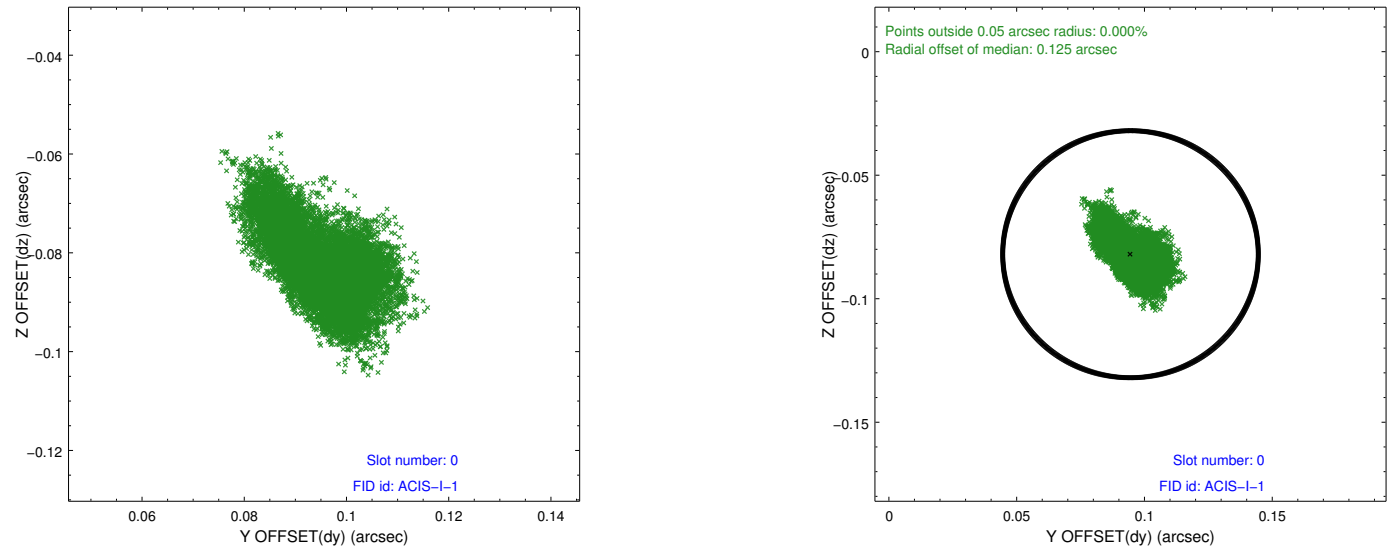


2.4.5 Slot 7

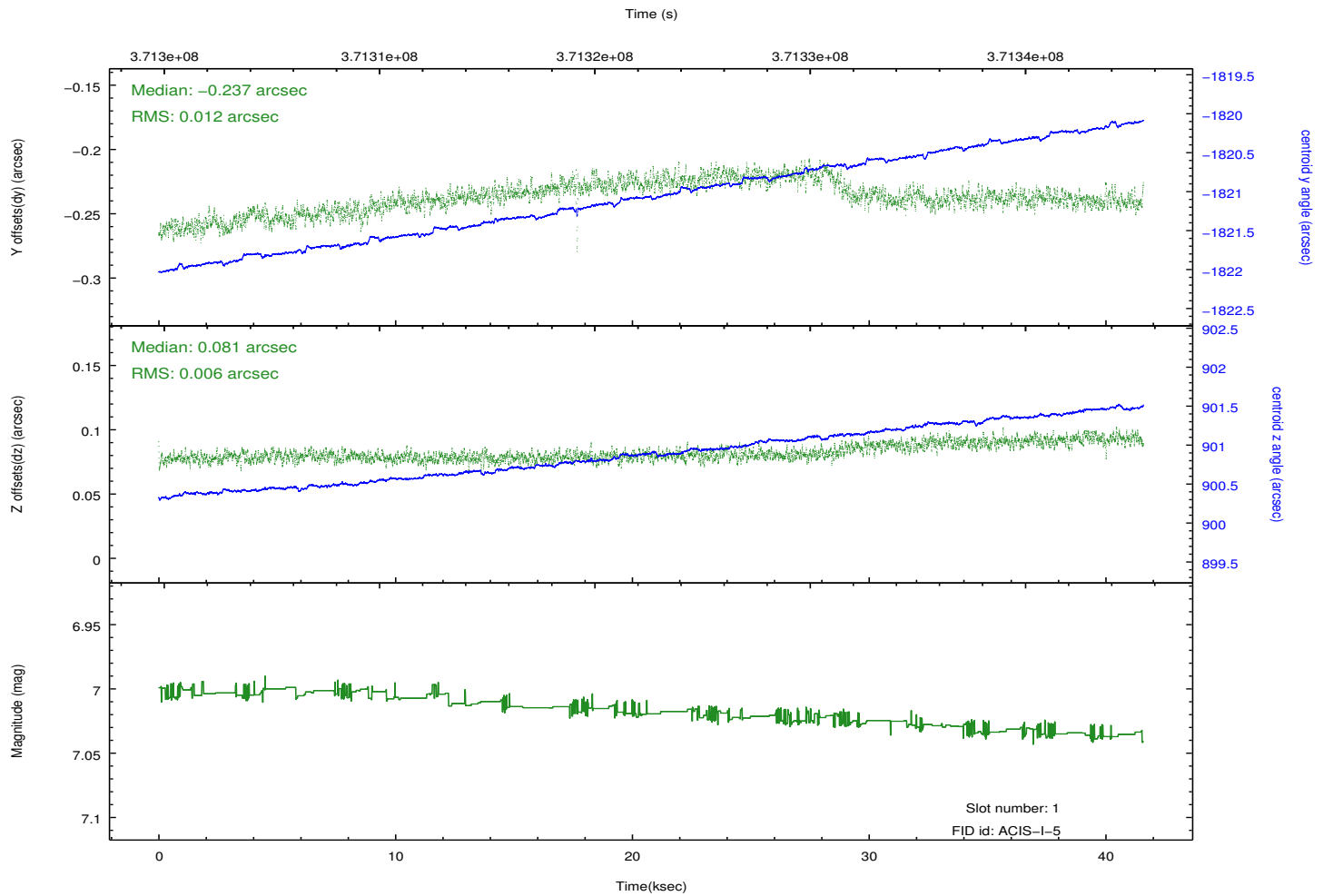
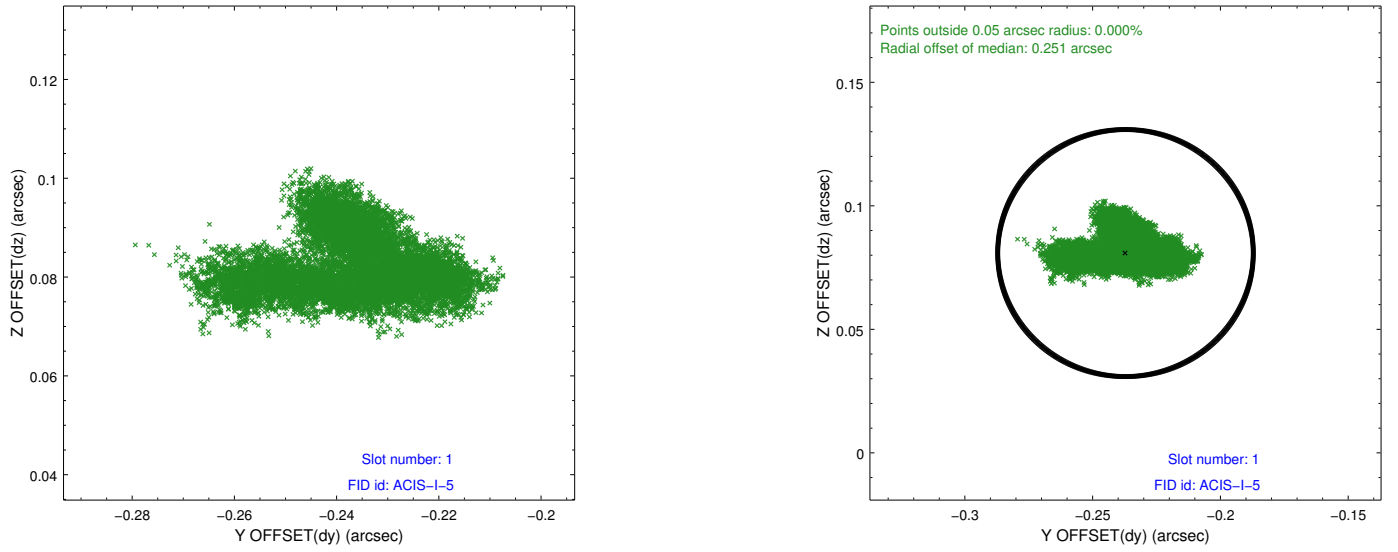


2.5 FID Slots

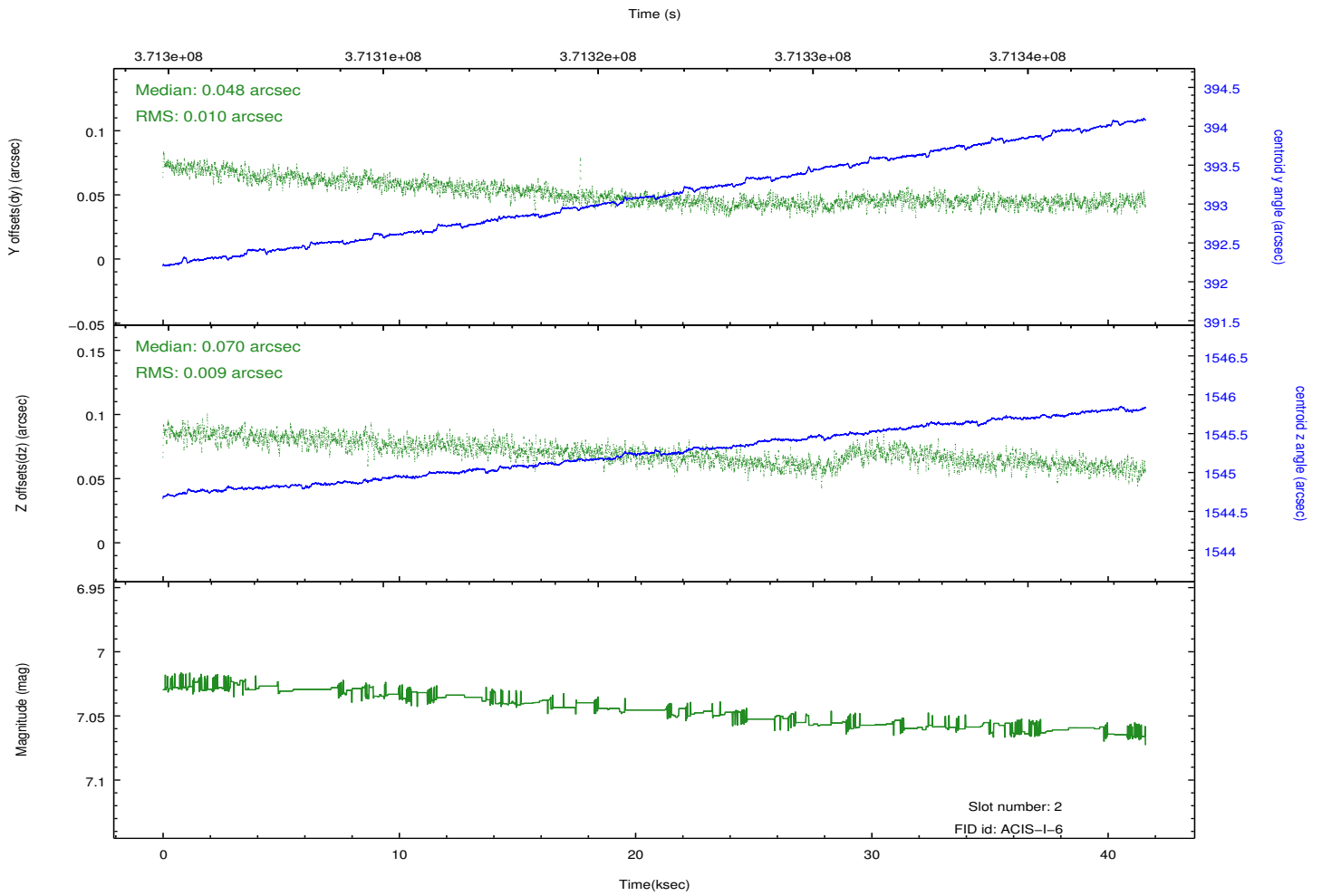
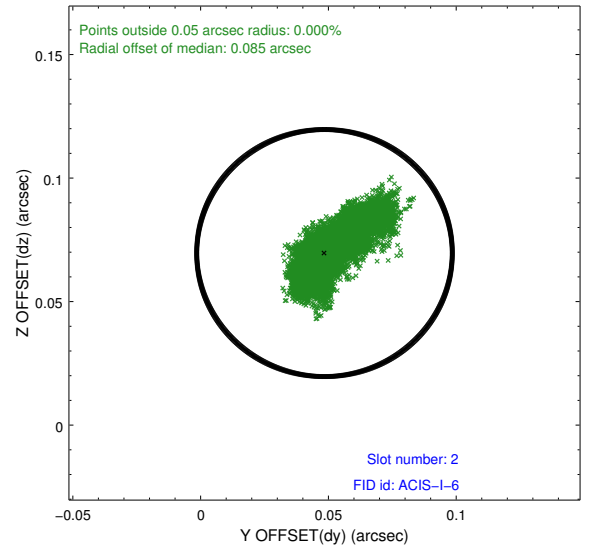
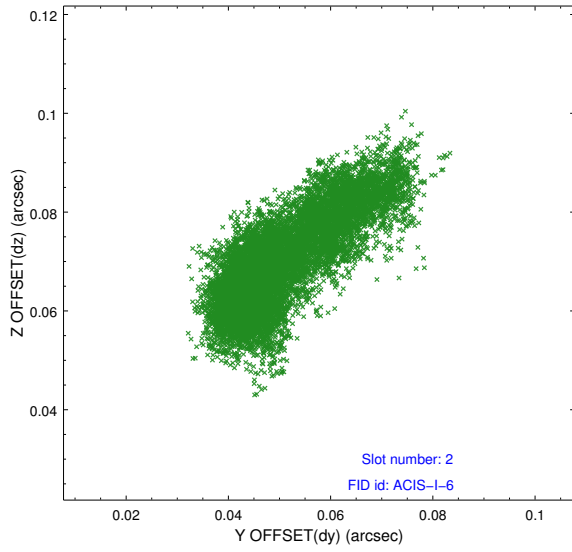
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.526179335058

A.2 Comments