

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8771 - L2 Version 2
Chandra X-Ray Center

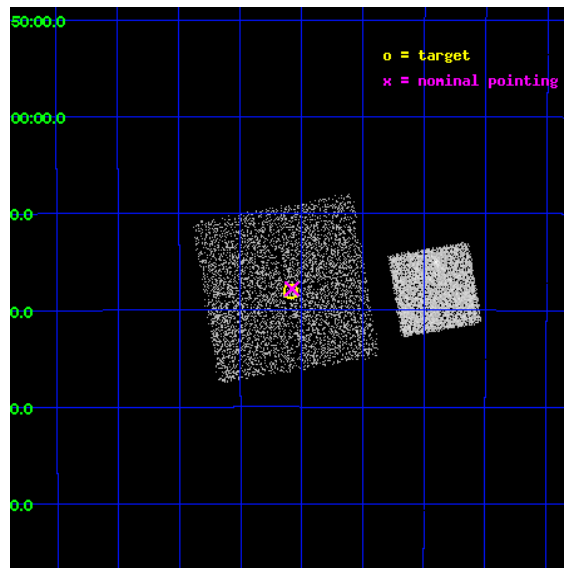
L2 Processing Date : May 14 2012

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1 Front

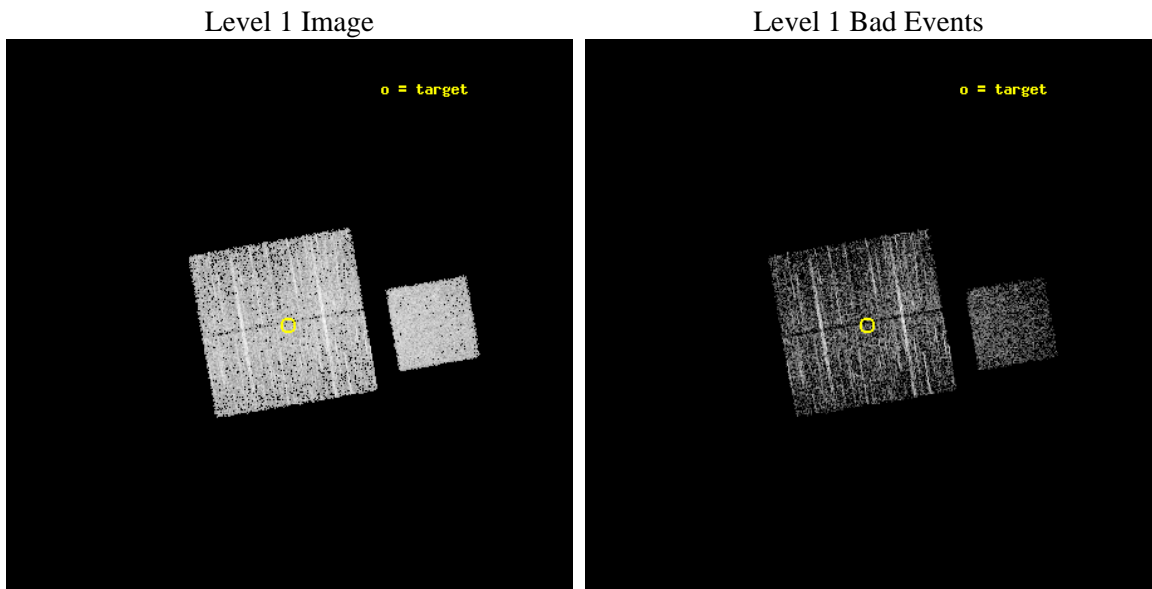
seq_num	400822	Sequence number
obs_id	8771	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.771854	Observer's specified target RA [deg]
dec_targ	-31.301445	Observer's specified target Dec [deg]
ra_nom	266.76991507634	Nominal RA [deg]
dec_nom	-31.296734734682	Nominal Dec [deg]
roll_nom	80.207699028115	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	15262	Number of level 2 events



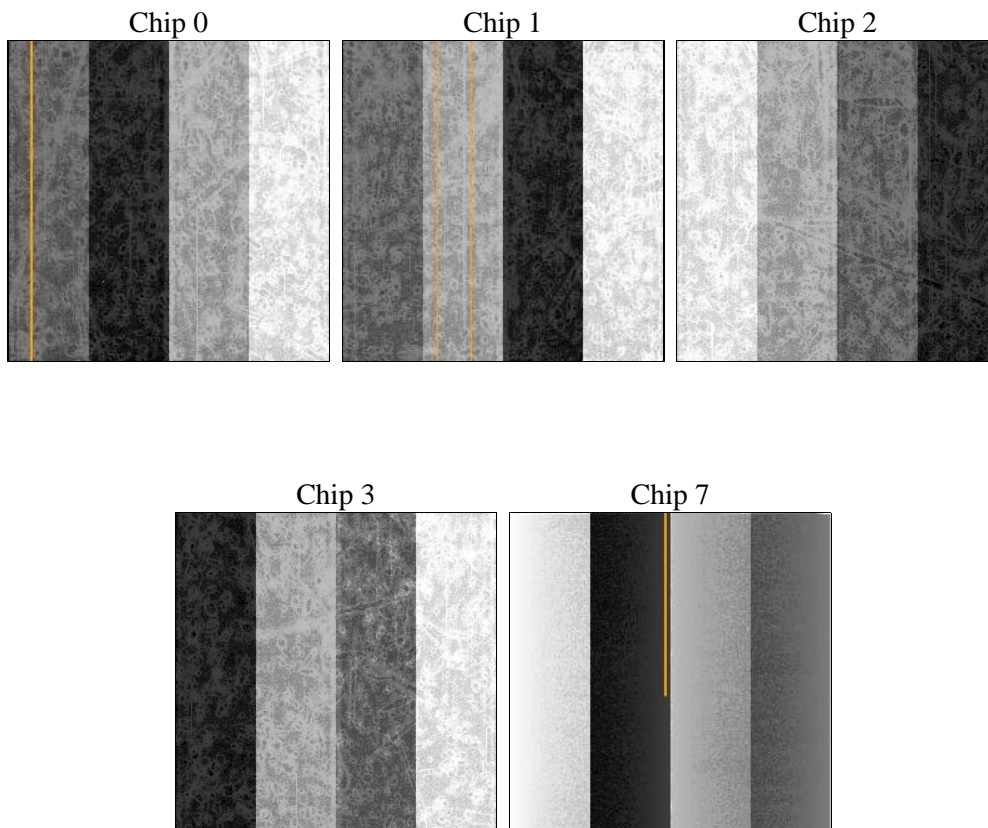
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2182.4000167847	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-05-14T21:10:22	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	101521	Number of level 1 events

2.1.4 Events

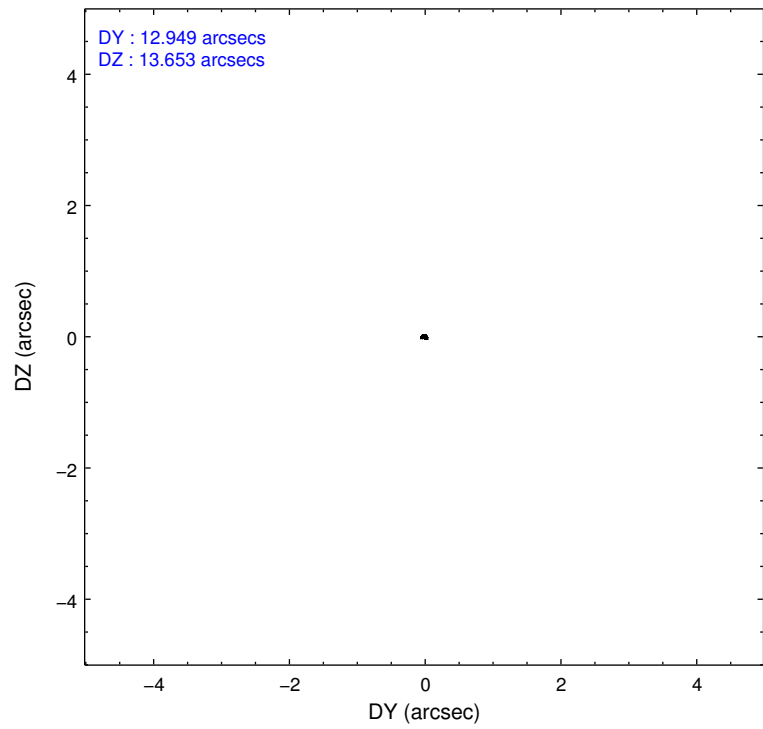
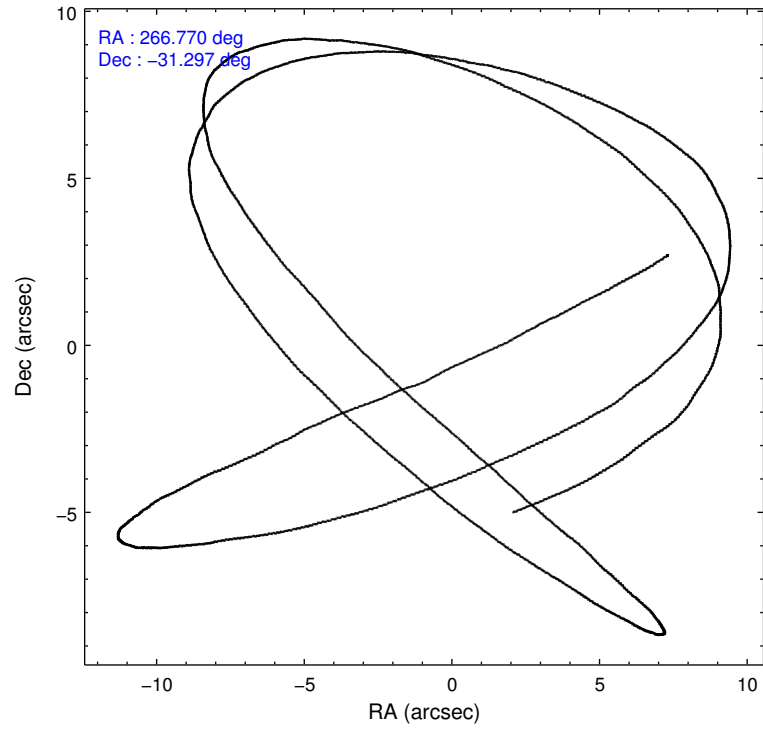
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	17548	19475	21205	20734	22559
rejected events	15778	17407	19280	18938	13333
rejected %	89%	89%	90%	91%	59%

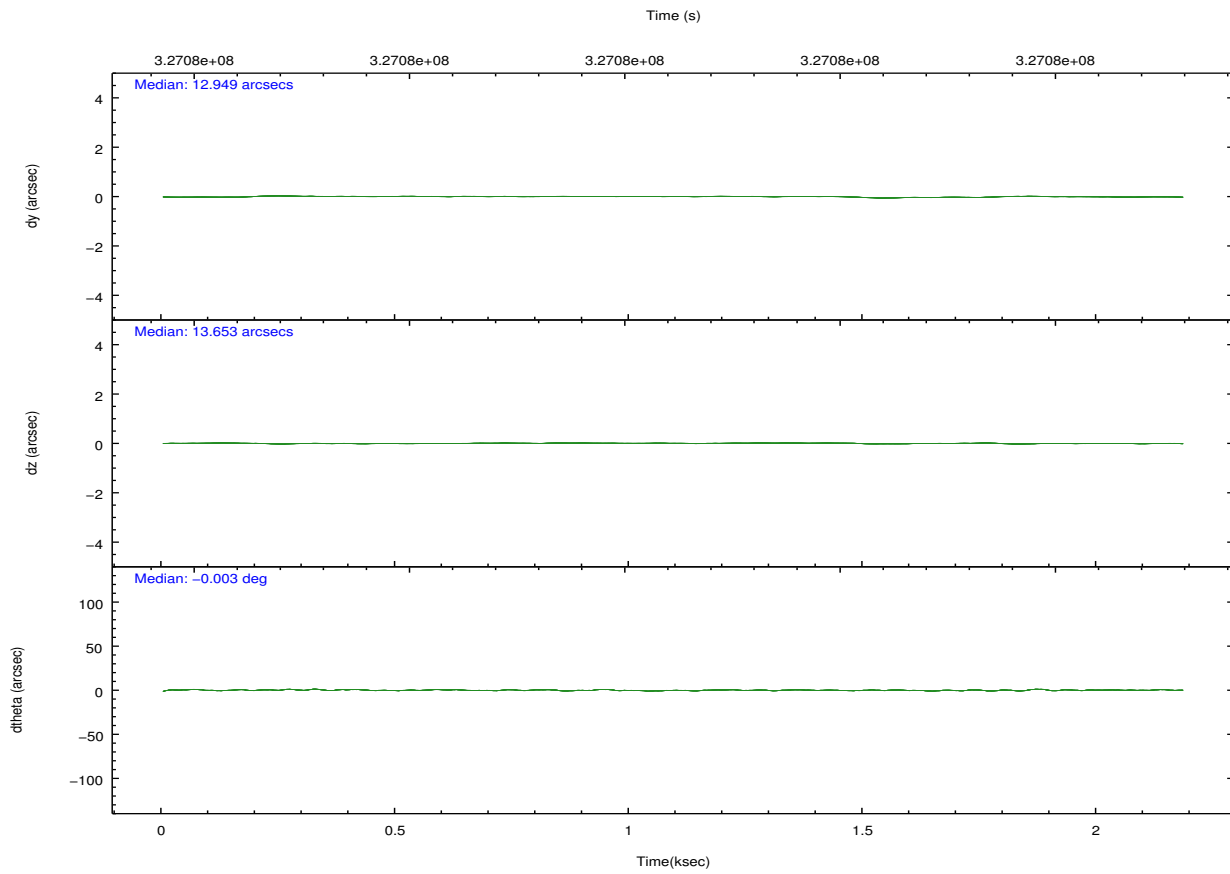
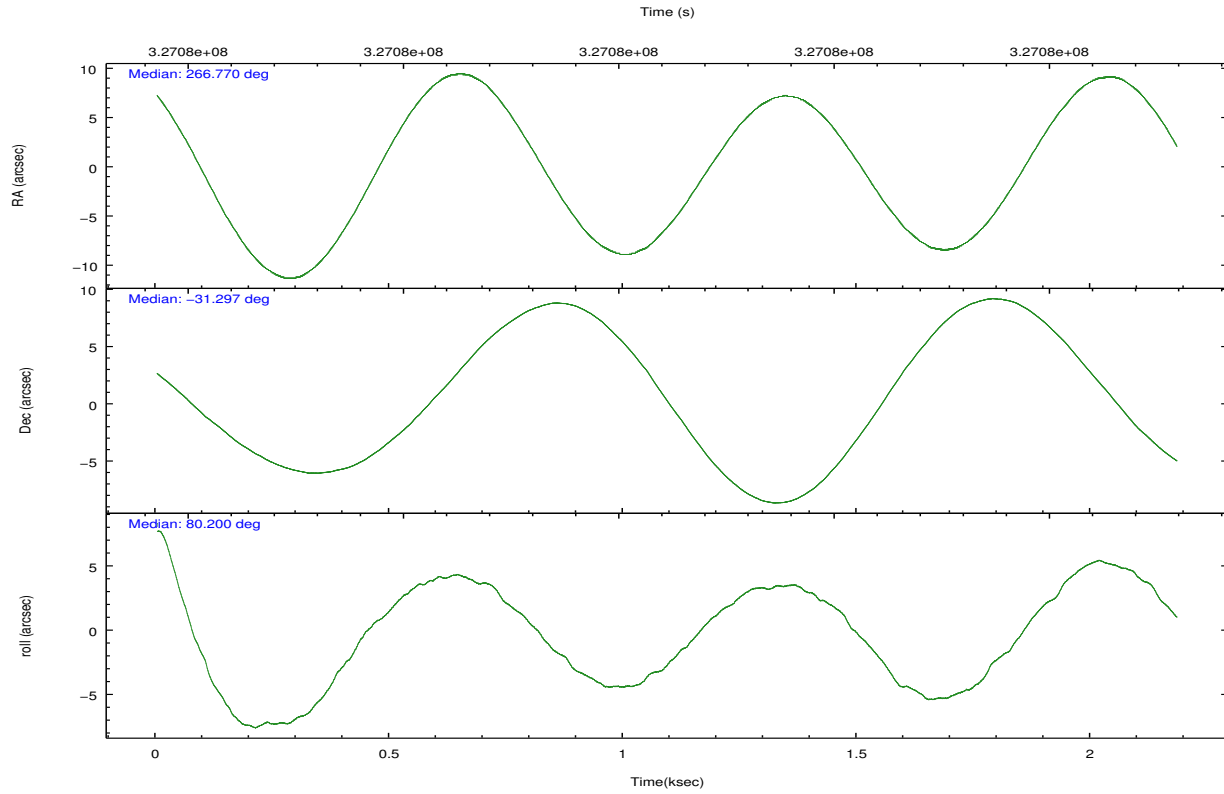
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	804	900	939	828	1027
	4%	4%	4%	3%	4%
grade 1 events	10	10	7	13	29
	0%	0%	0%	0%	0%
grade 2 events	471	475	480	430	2175
	2%	2%	2%	2%	9%
grade 3 events	215	274	207	218	996
	1%	1%	0%	1%	4%
grade 4 events	211	253	233	216	969
	1%	1%	1%	1%	4%
grade 5 events	648	795	672	781	2367
	3%	4%	3%	3%	10%
grade 6 events	370	479	369	361	5365
	2%	2%	1%	1%	23%
grade 7 events	14819	16289	18298	17887	9631
	84%	83%	86%	86%	42%

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	266.781179	266.7699150763365	CCD I2 on	Y	Y
[deg] Pointing Dec	-31.322482	-31.29673473468164	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004849	80.20769902811465	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)	327081212.184000	327080835.56407	CCD S5 on	N	N
Observation start date	2008-05-13T15:52:27	2008-05-13T15:47:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327083212.184000	327083345.78919	On-chip summing requested	N	N
Observation end date	2008-05-13T16:25:47	2008-05-13T16:29:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



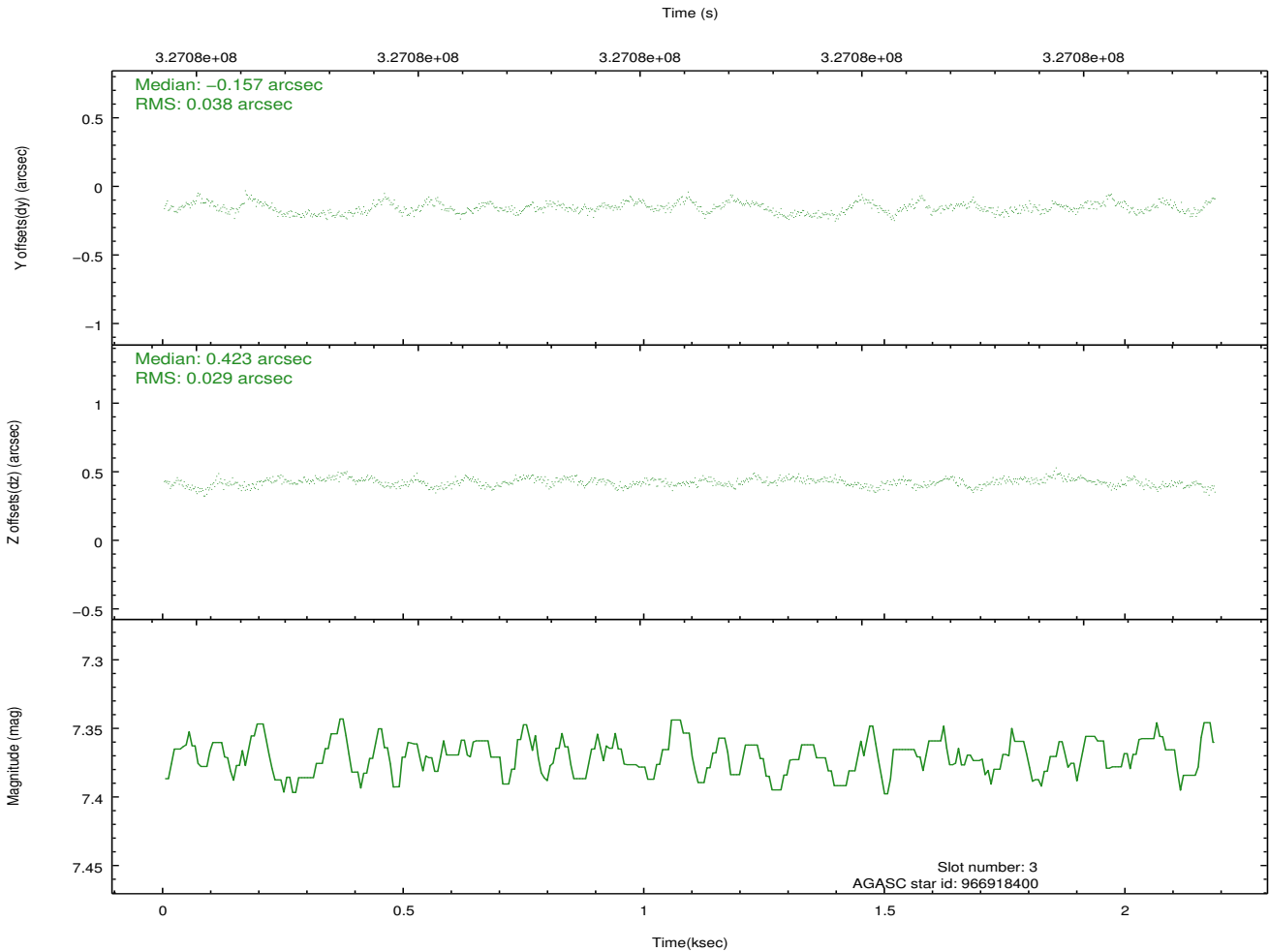
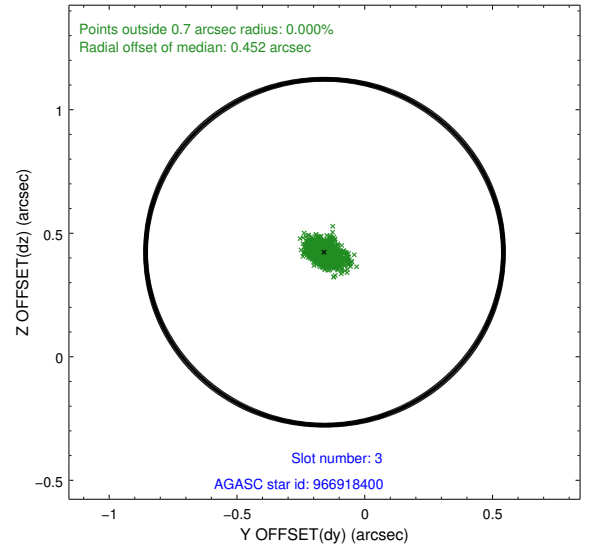
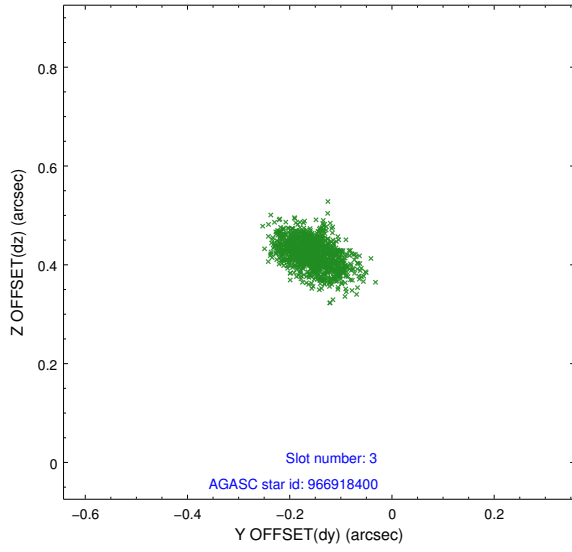


Slot Statistics

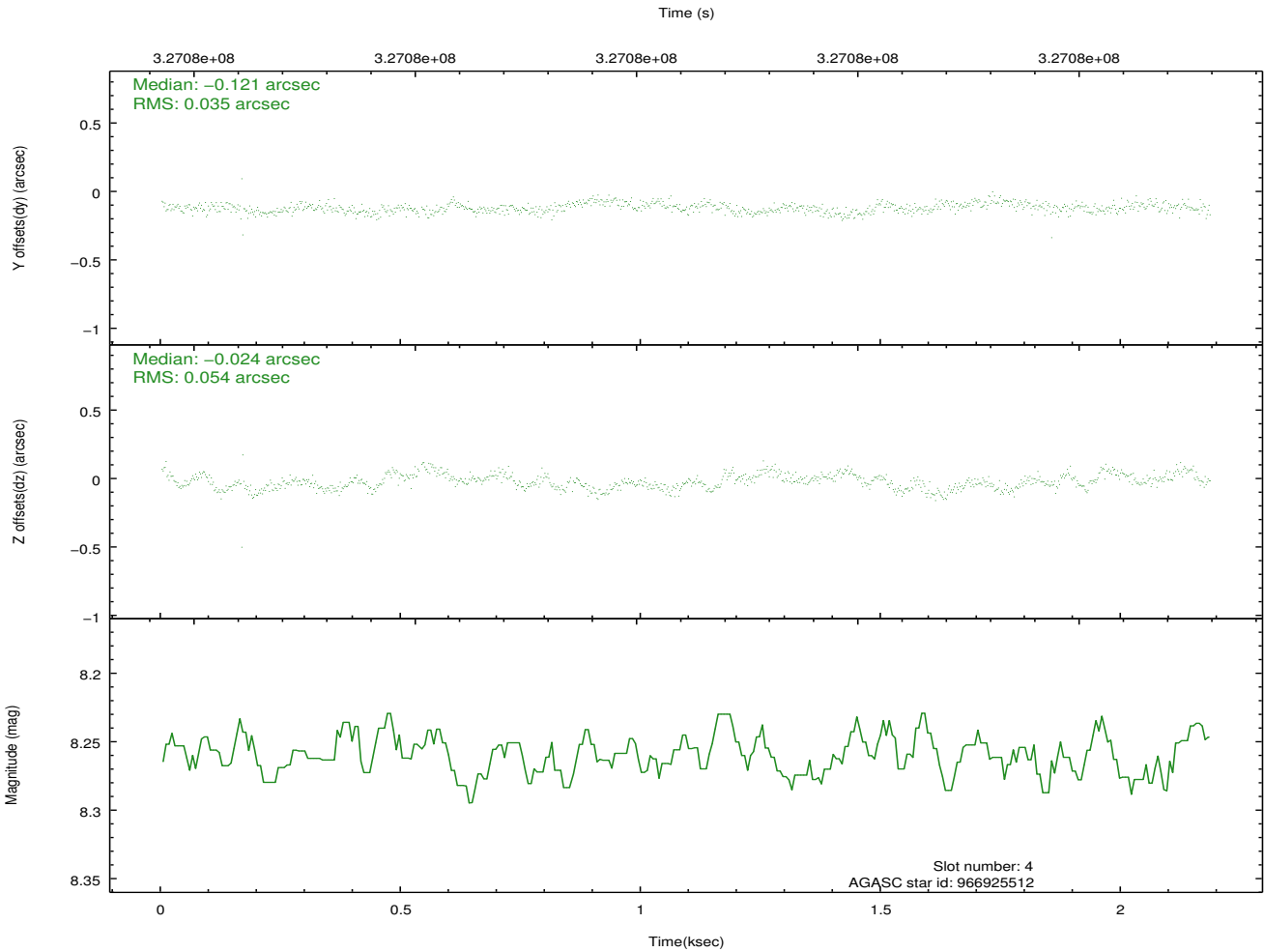
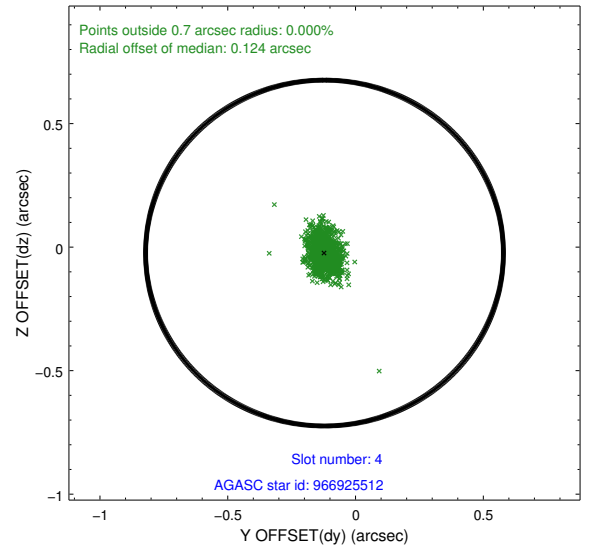
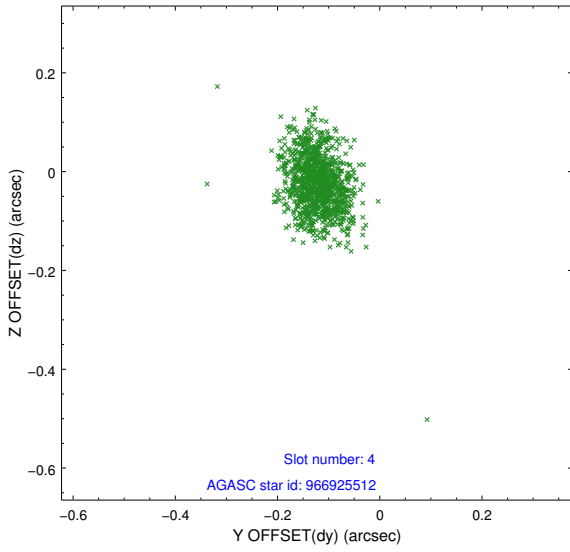
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	533	0.009	0.041	0.006	0.010	0.000000	0.000000	926.59	-837.17
1	FID	ACIS-I-5	7.04	533	-0.167	0.035	0.006	0.010	0.000000	0.000000	-1820.06	1058.79
2	FID	ACIS-I-6	7.05	533	0.067	-0.005	0.007	0.011	0.000000	0.000000	388.92	1706.66
3	GUIDE	966918400	7.37	1066	-0.157	0.423	0.052	0.082	267.537101	-30.960086	1682.40	-2072.43
4	GUIDE	966925512	8.26	1063	-0.121	-0.024	0.067	0.109	266.373606	-31.056700	723.21	1401.78
5	GUIDE	966926880	8.69	1066	0.008	-0.222	0.071	0.112	265.970408	-31.411350	-755.93	2397.16
6	GUIDE	966924912	8.02	1066	0.009	-0.299	0.070	0.104	266.020014	-31.275150	-247.47	2336.61
7	GUIDE	967450832	9.11	1063	0.265	0.118	0.079	0.134	266.078096	-31.879979	-2356.43	1769.31

2.4 Star Slots

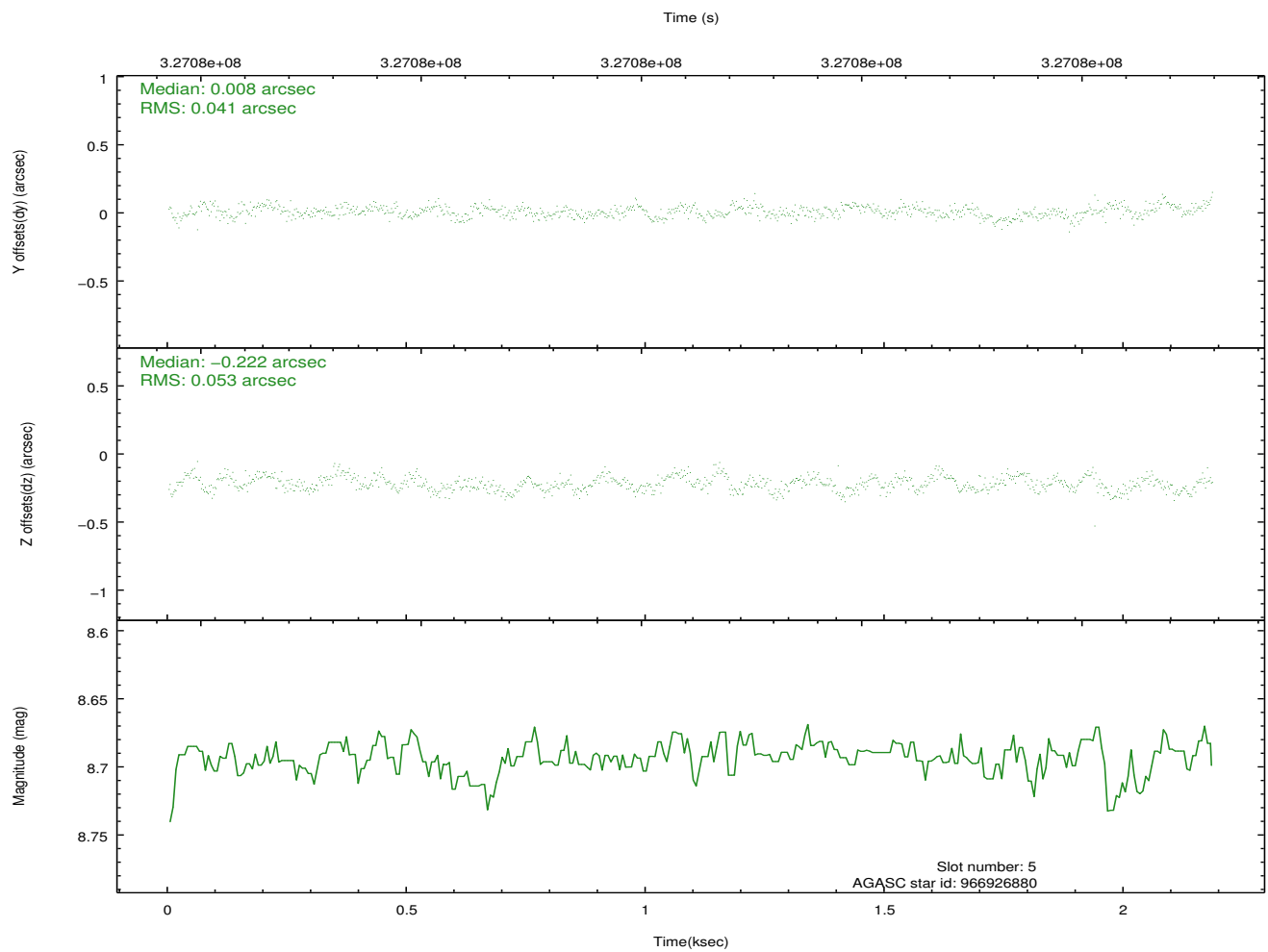
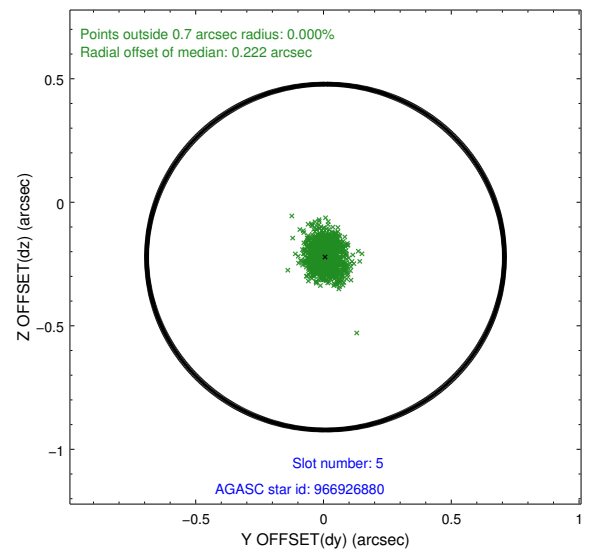
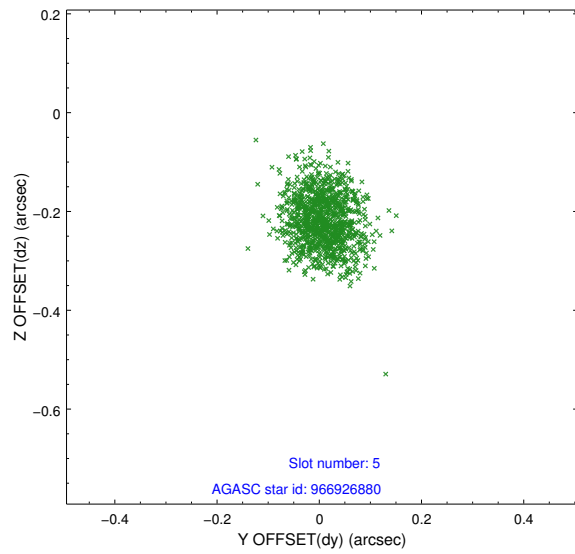
2.4.1 Slot 3



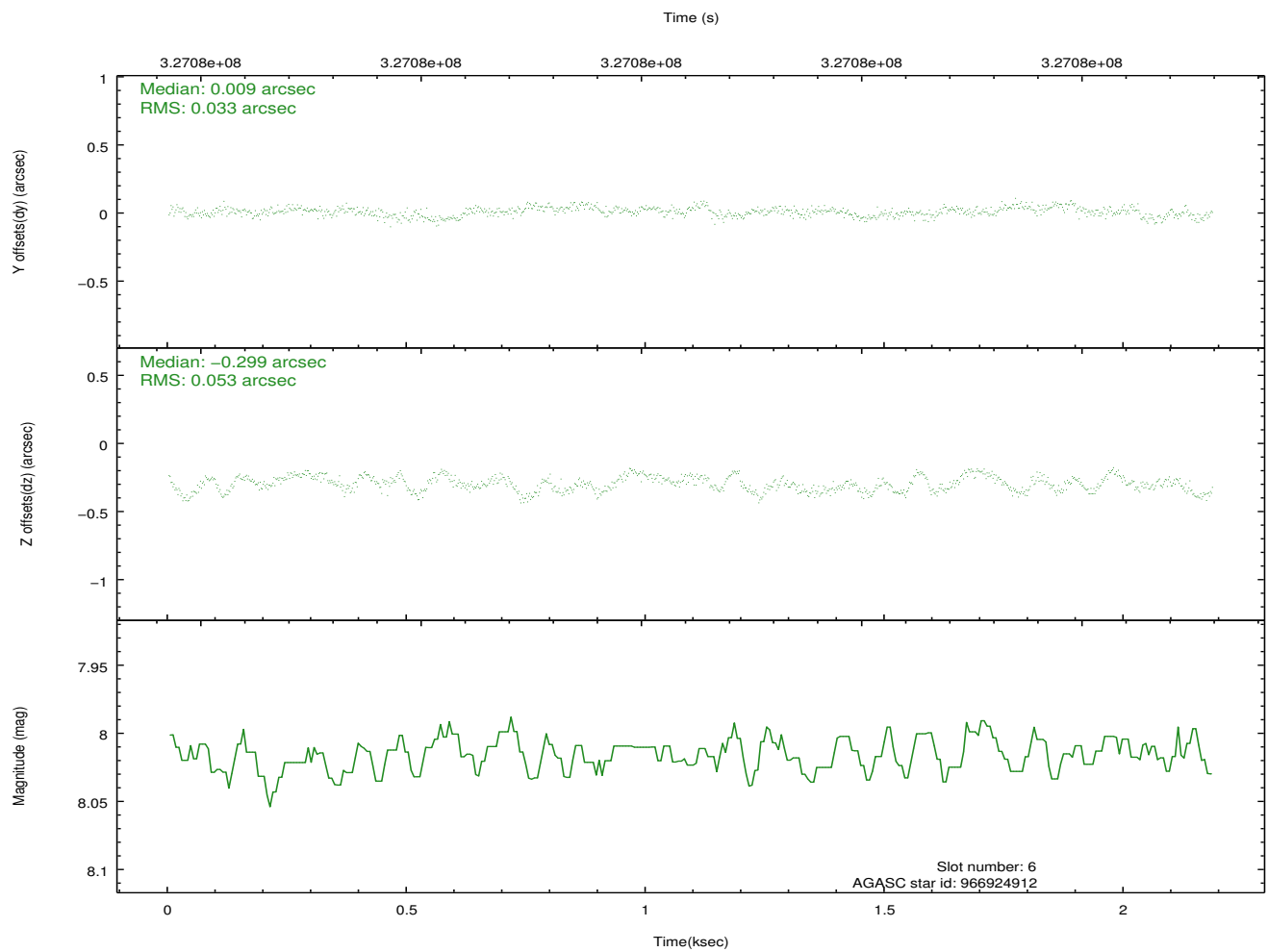
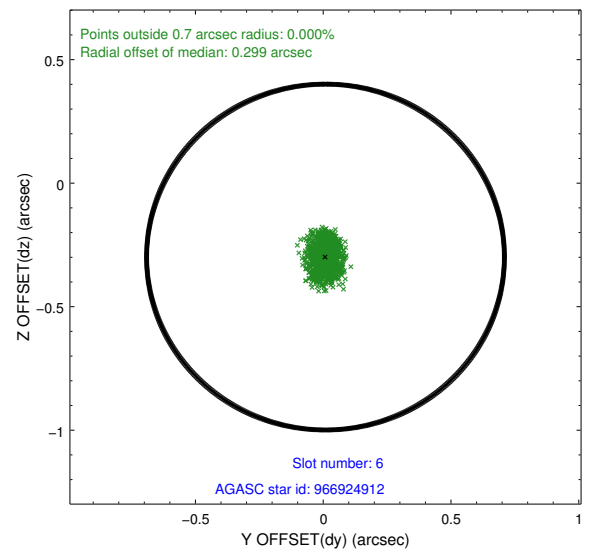
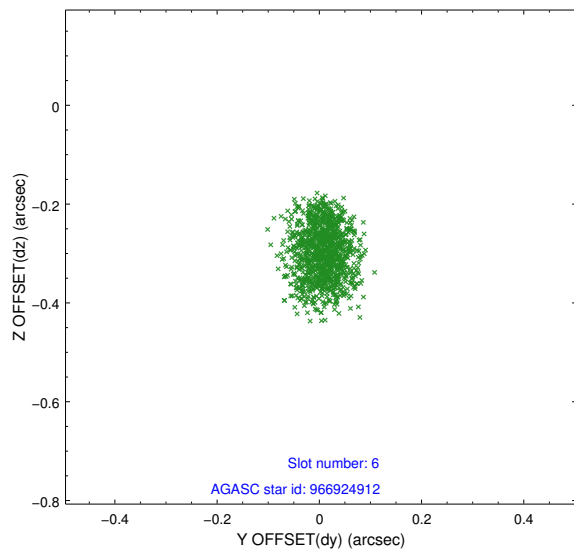
2.4.2 Slot 4



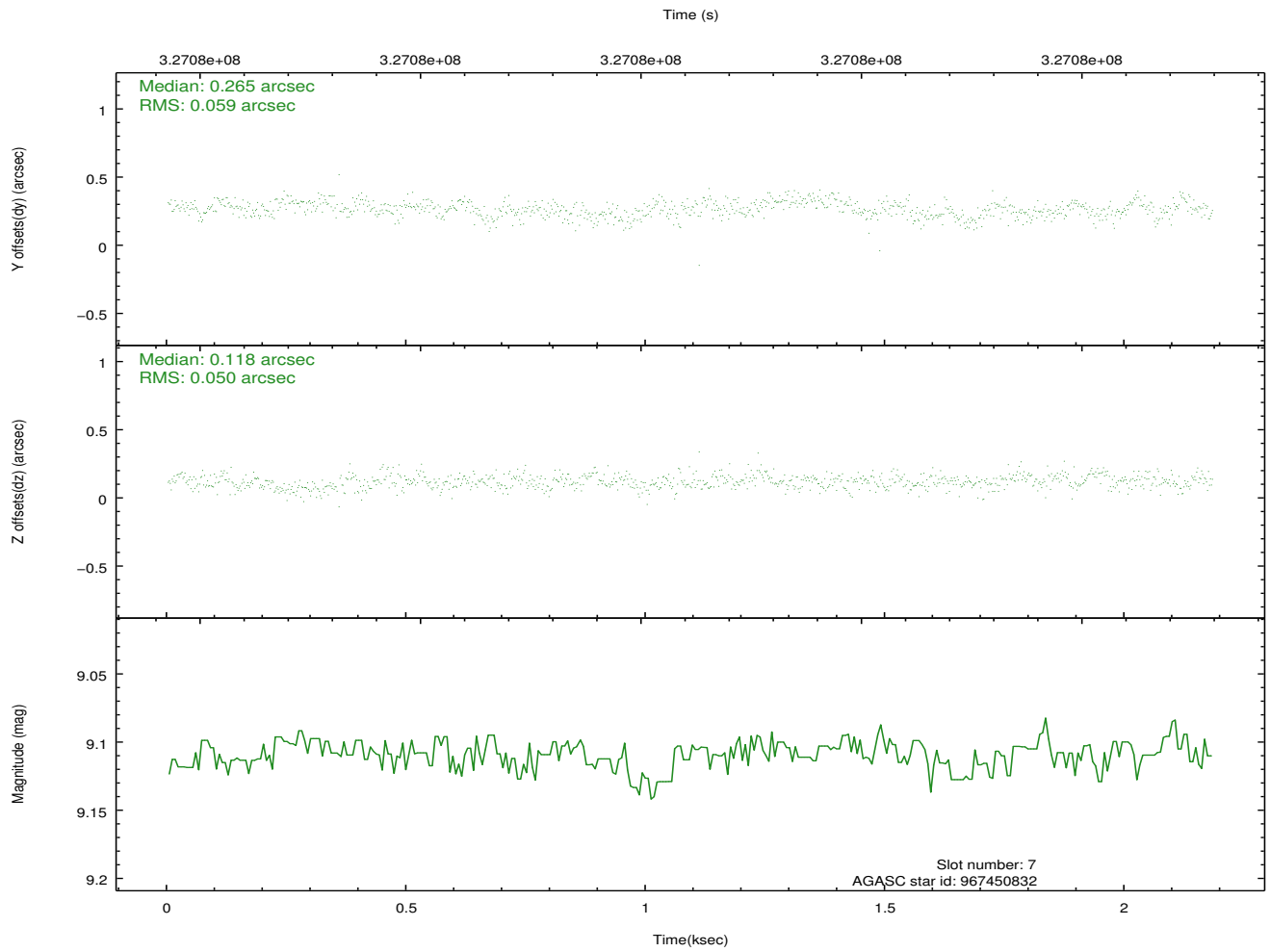
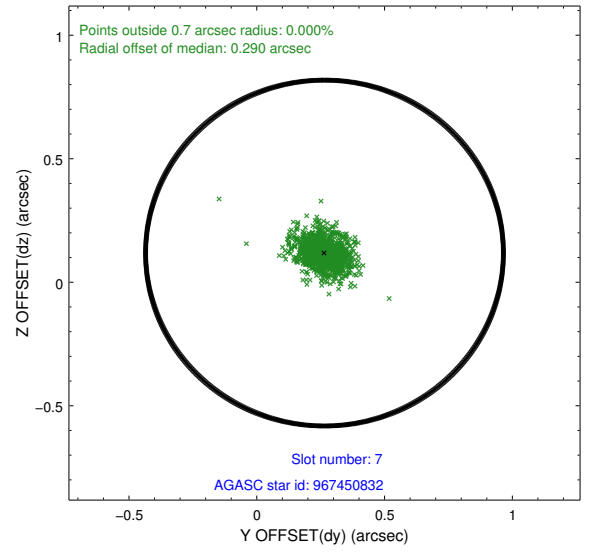
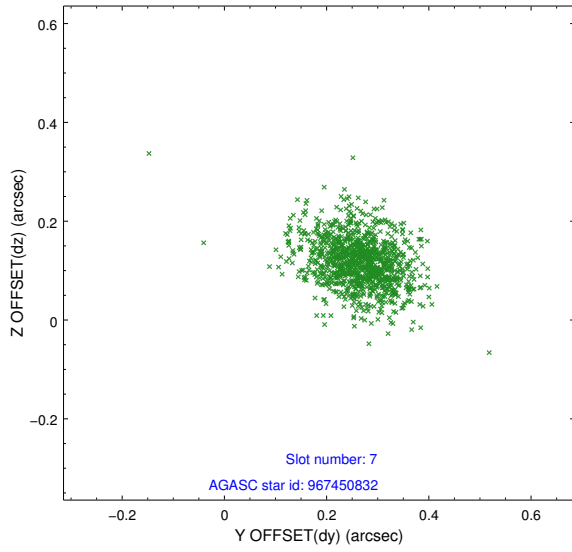
2.4.3 Slot 5



2.4.4 Slot 6

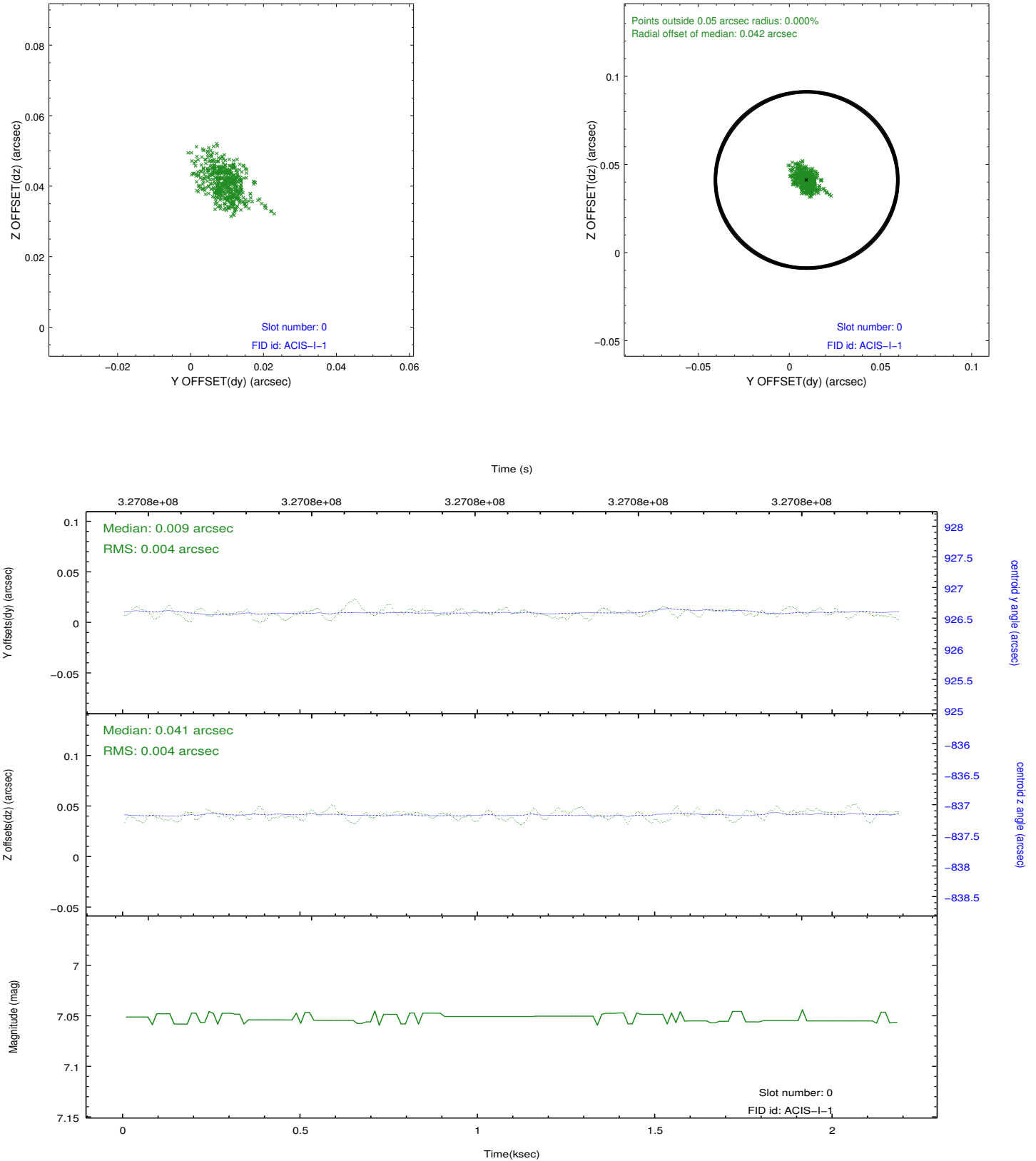


2.4.5 Slot 7

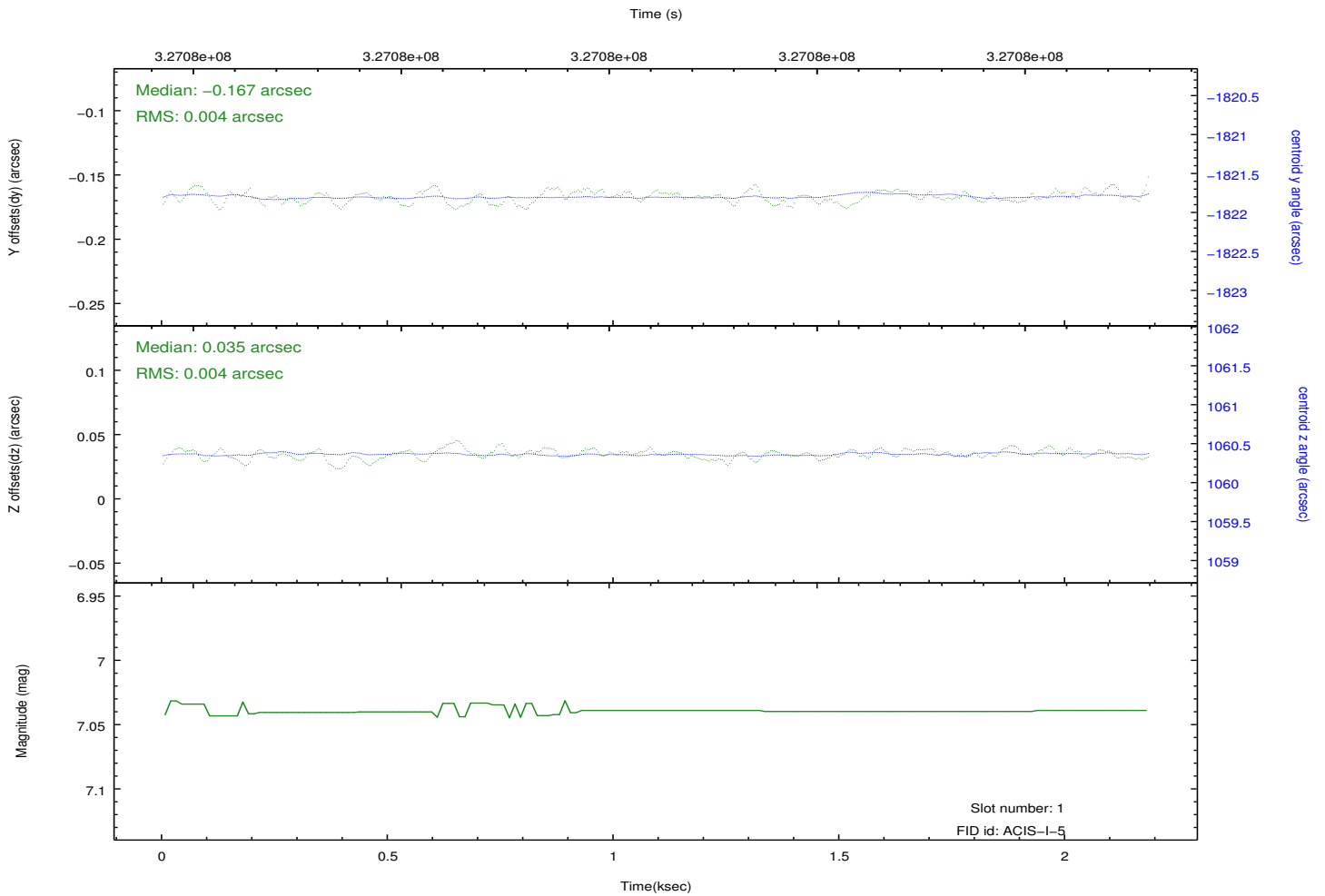
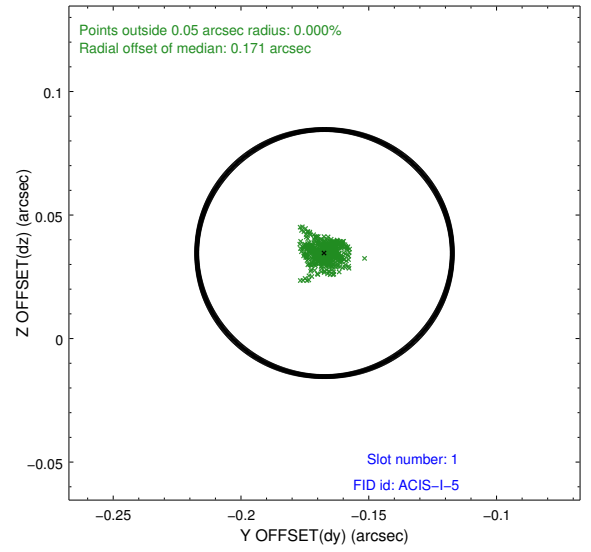
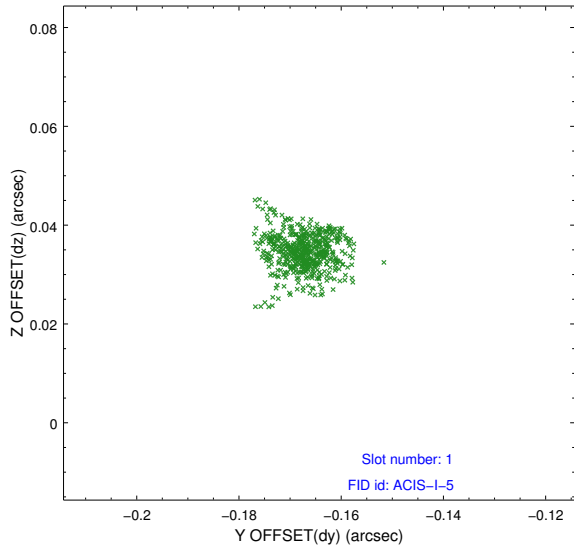


2.5 FID Slots

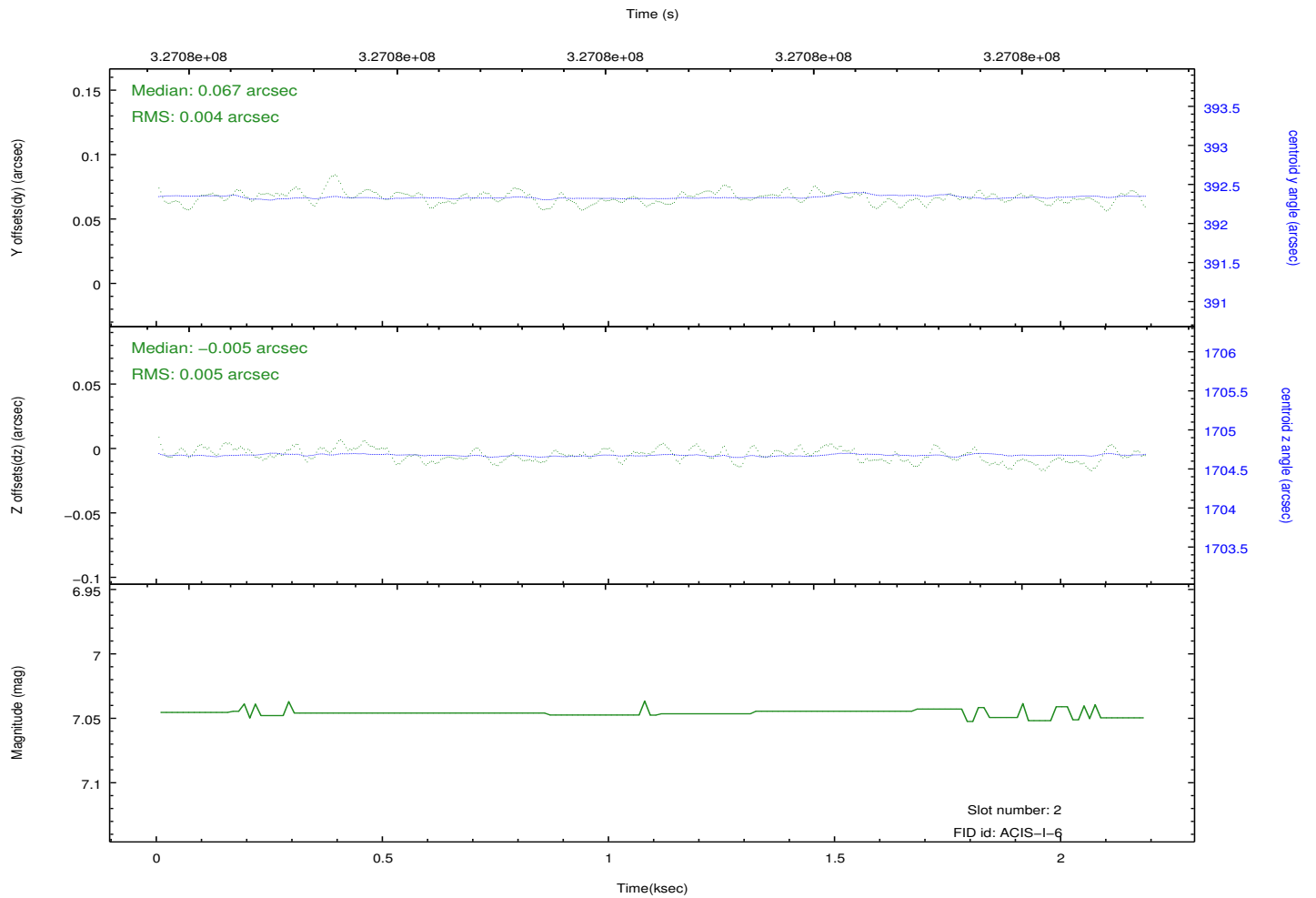
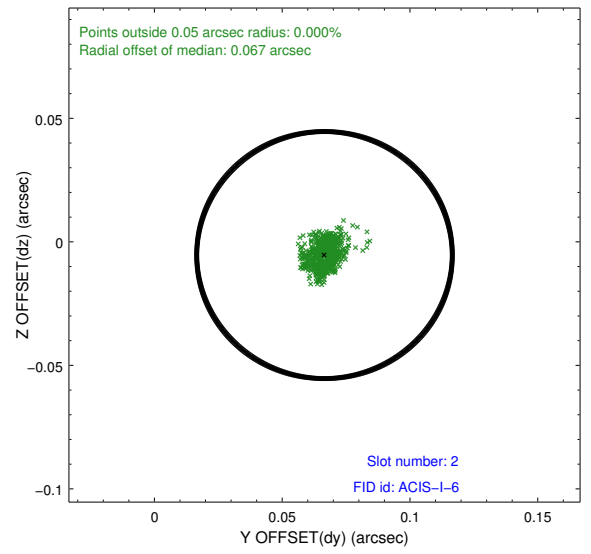
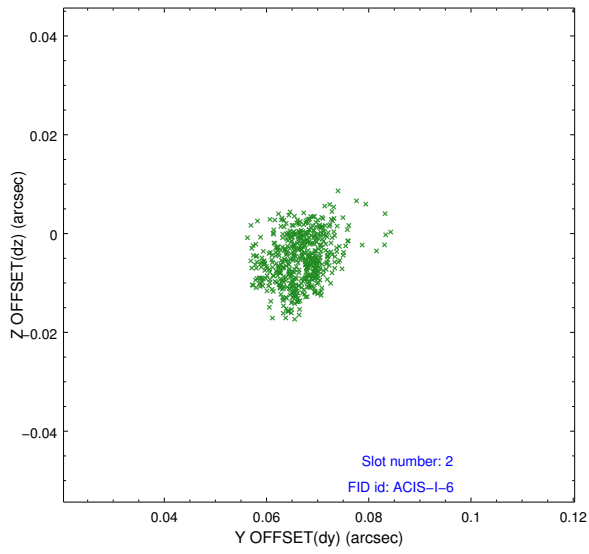
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint Proposal: NOAO