

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13550 - L2 Version 2
Chandra X-Ray Center

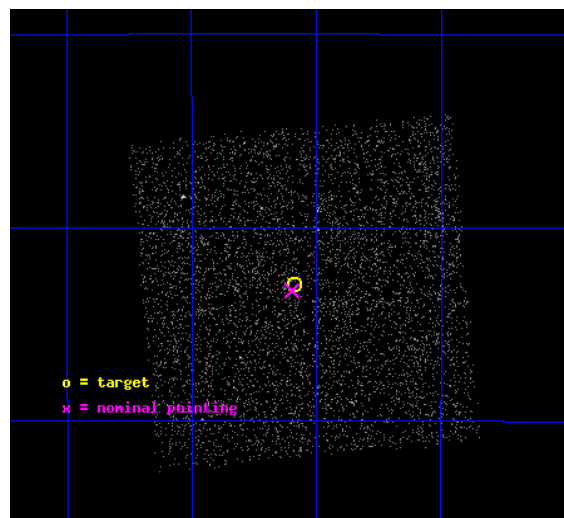
L2 Processing Date : Mar 2 2012

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1 Front

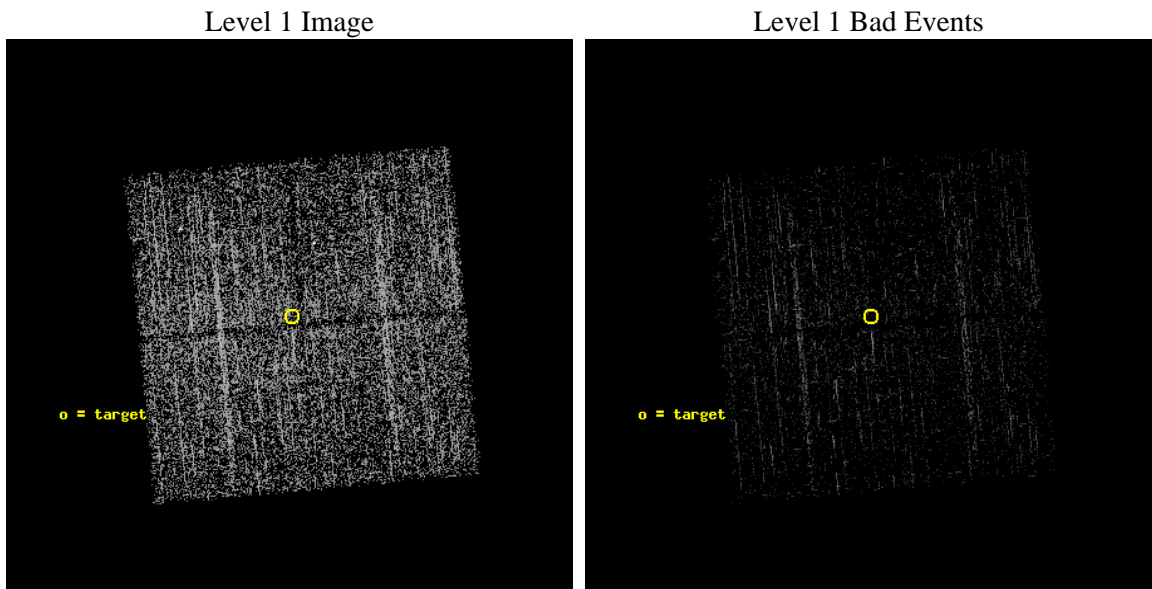
seq_num	401326	Sequence number
obs_id	13550	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.522526	Observer's specified target RA [deg]
dec_targ	-29.548645	Observer's specified target Dec [deg]
ra_nom	268.52475947643	Nominal RA [deg]
dec_nom	-29.554331323252	Nominal Dec [deg]
roll_nom	264.73036172167	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.4350206256	Sum of GTIs [s]
livetime	1947.6506392594	Livetime [s]
ontime0	1973.3119006157	Sum of GTIs [s]
ontime1	1970.2119503617	Sum of GTIs [s]
ontime2	1973.3939806223	Sum of GTIs [s]
ontime3	1973.4350206256	Sum of GTIs [s]
l2events	6712	Number of level 2 events



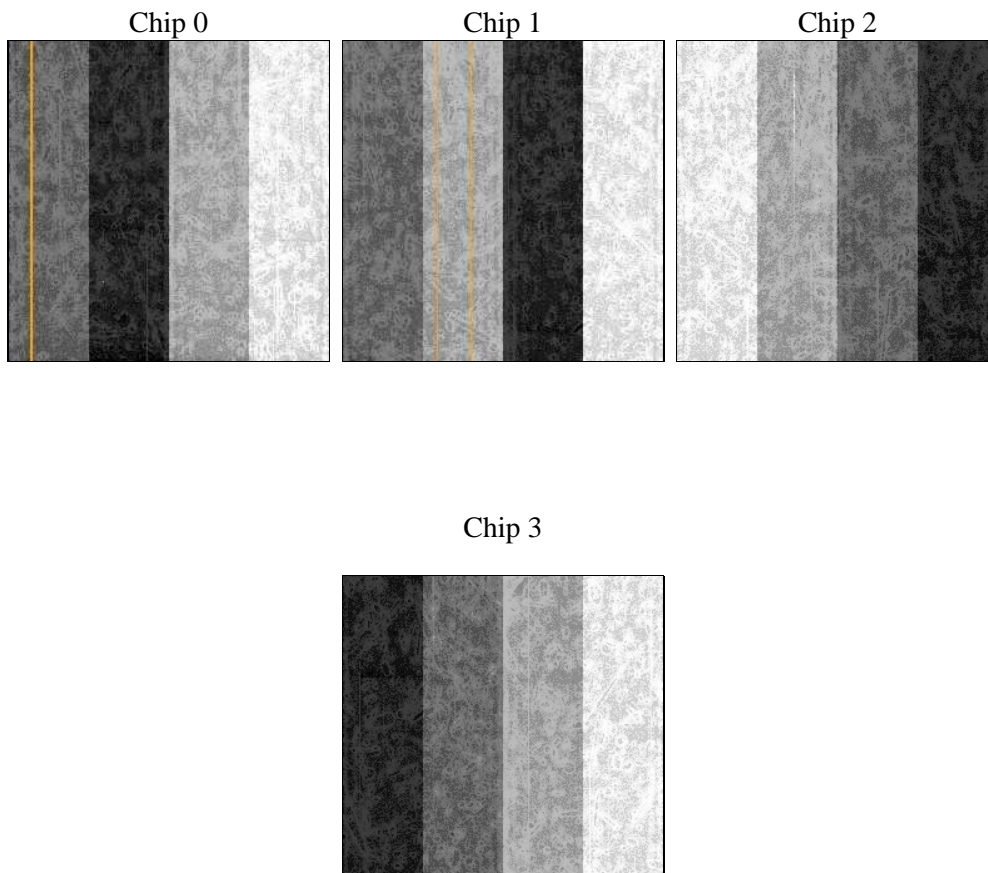
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1973.4350206256	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1973.3119006157	Sum of GTIs [s]
date	2012-03-02T11:55:41	Date and time of file creation	ontime1	1970.2119503617	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.3939806223	Sum of GTIs [s]
			ontime3	1973.4350206256	Sum of GTIs [s]
			l1events	48730	Number of level 1 events

2.1.4 Events

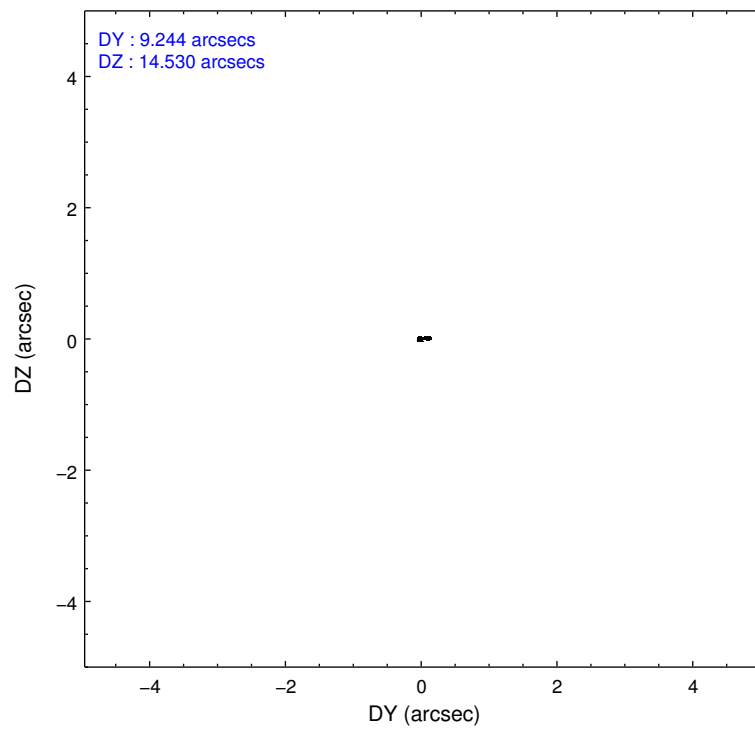
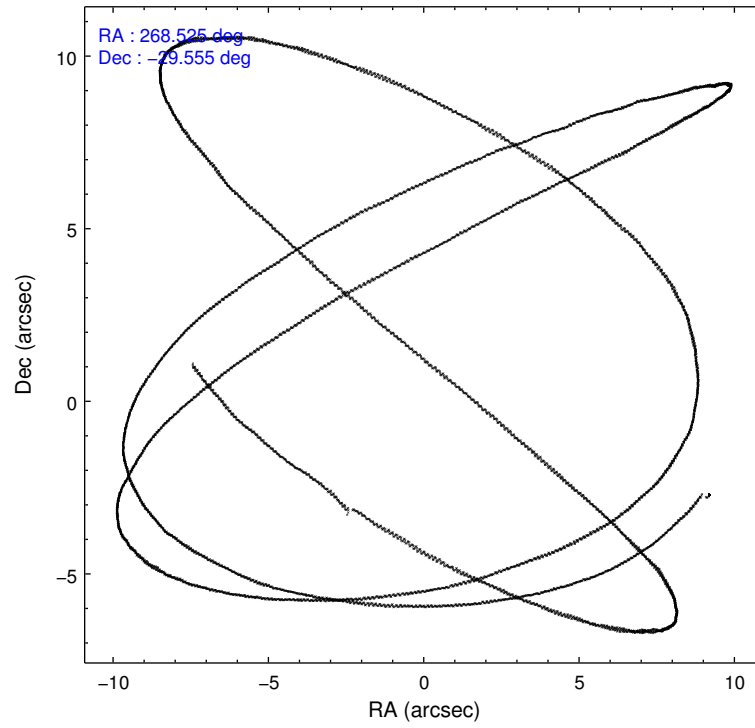
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	11111	11774	12602	13243
rejected events	9256	9637	10707	11366
rejected %	83%	81%	84%	85%

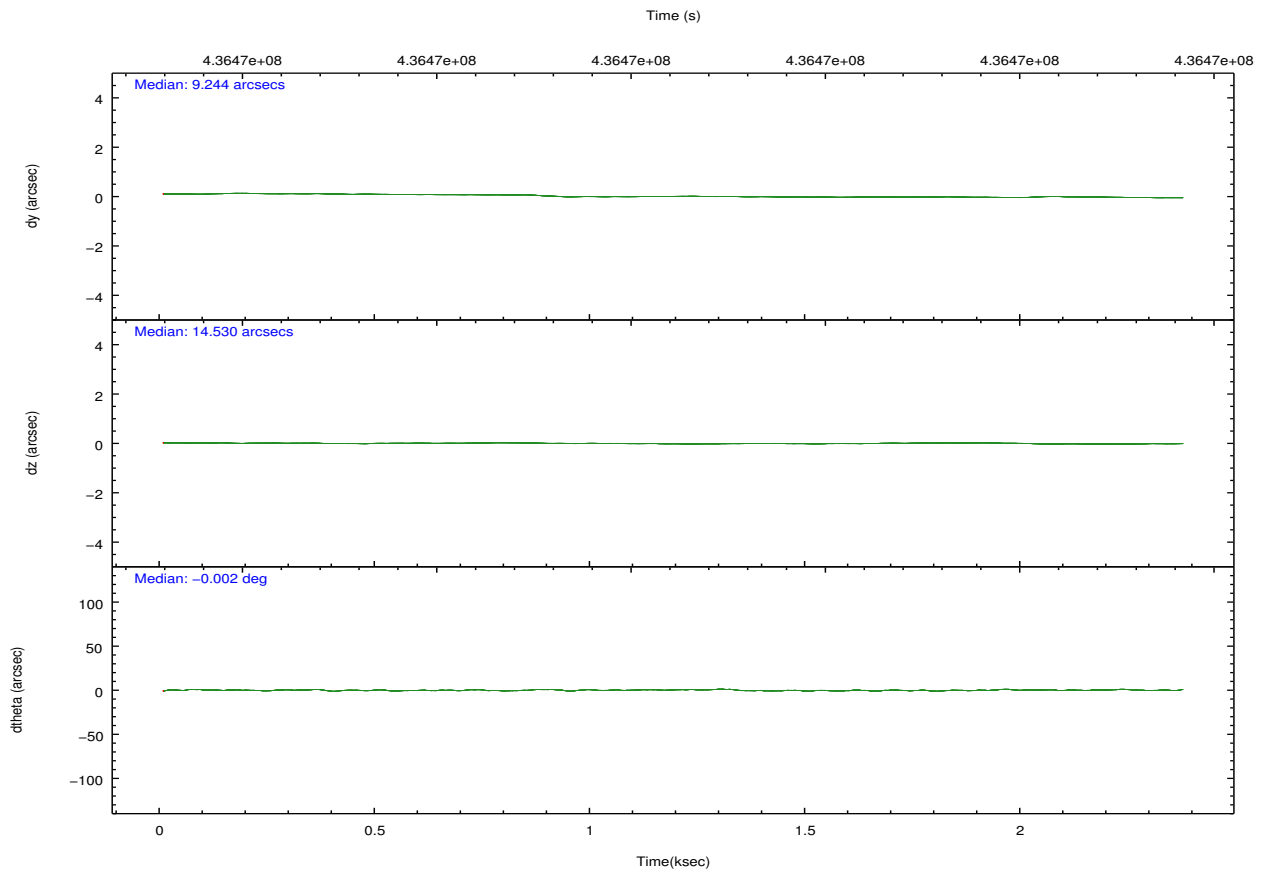
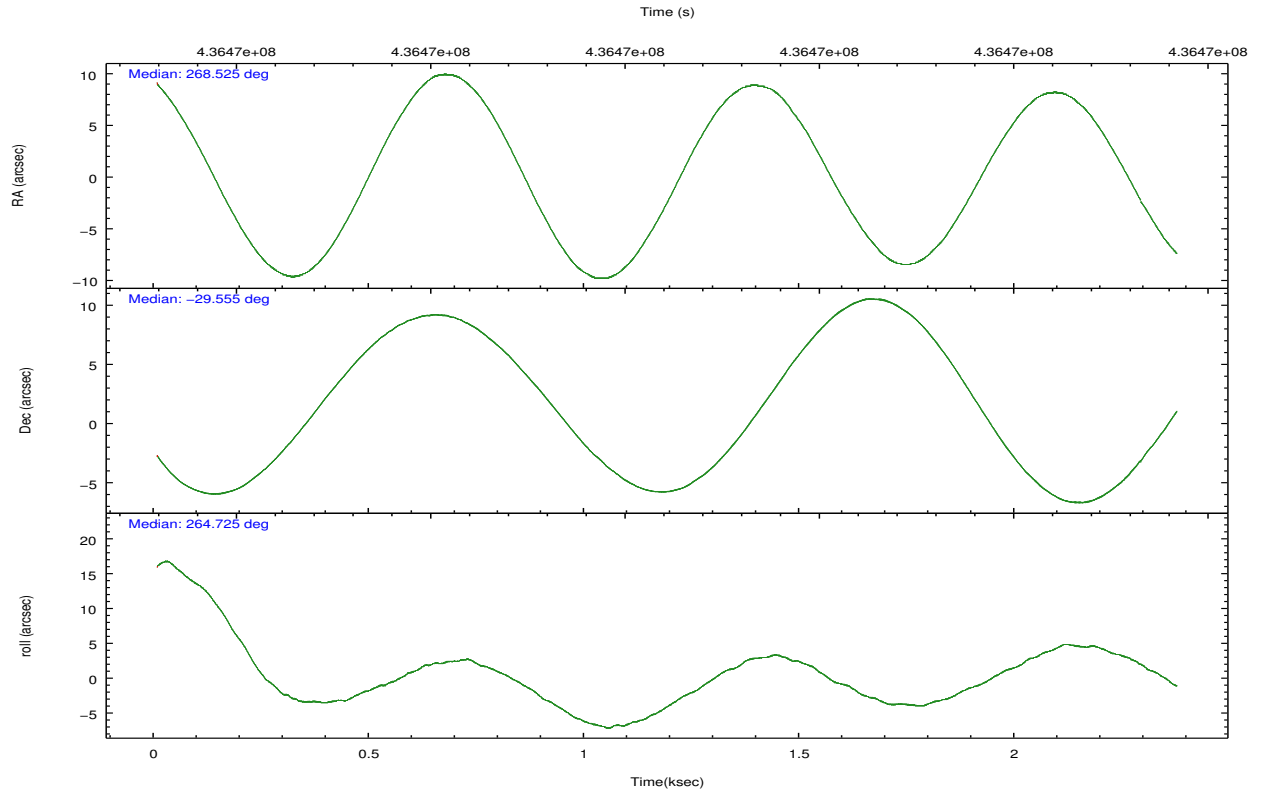
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	875	1039	900	937
	7%	8%	7%	7%
grade 1 events	7	9	7	12
	0%	0%	0%	0%
grade 2 events	387	429	358	366
	3%	3%	2%	2%
grade 3 events	177	174	168	154
	1%	1%	1%	1%
grade 4 events	145	145	173	140
	1%	1%	1%	1%
grade 5 events	572	547	516	622
	5%	4%	4%	4%
grade 6 events	275	356	305	283
	2%	3%	2%	2%
grade 7 events	8673	9075	10175	10729
	78%	77%	80%	81%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	268.511401	268.5247594764312	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.529127	-29.55433132325224	Alternating exposures requested	N	N
[deg] Pointing Roll	264.515119	264.7303617216674	[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)	436471624.184000	436471201.89179			
Observation start date	2011-10-31T18:05:58	2011-10-31T18:00:01			
[s] Observation end time (MET)	436473804.184000	436474010.90443			
Observation end date	2011-10-31T18:42:18	2011-10-31T18:46:50			
Read mode	TIMED	TIMED			

2.3 Aspect



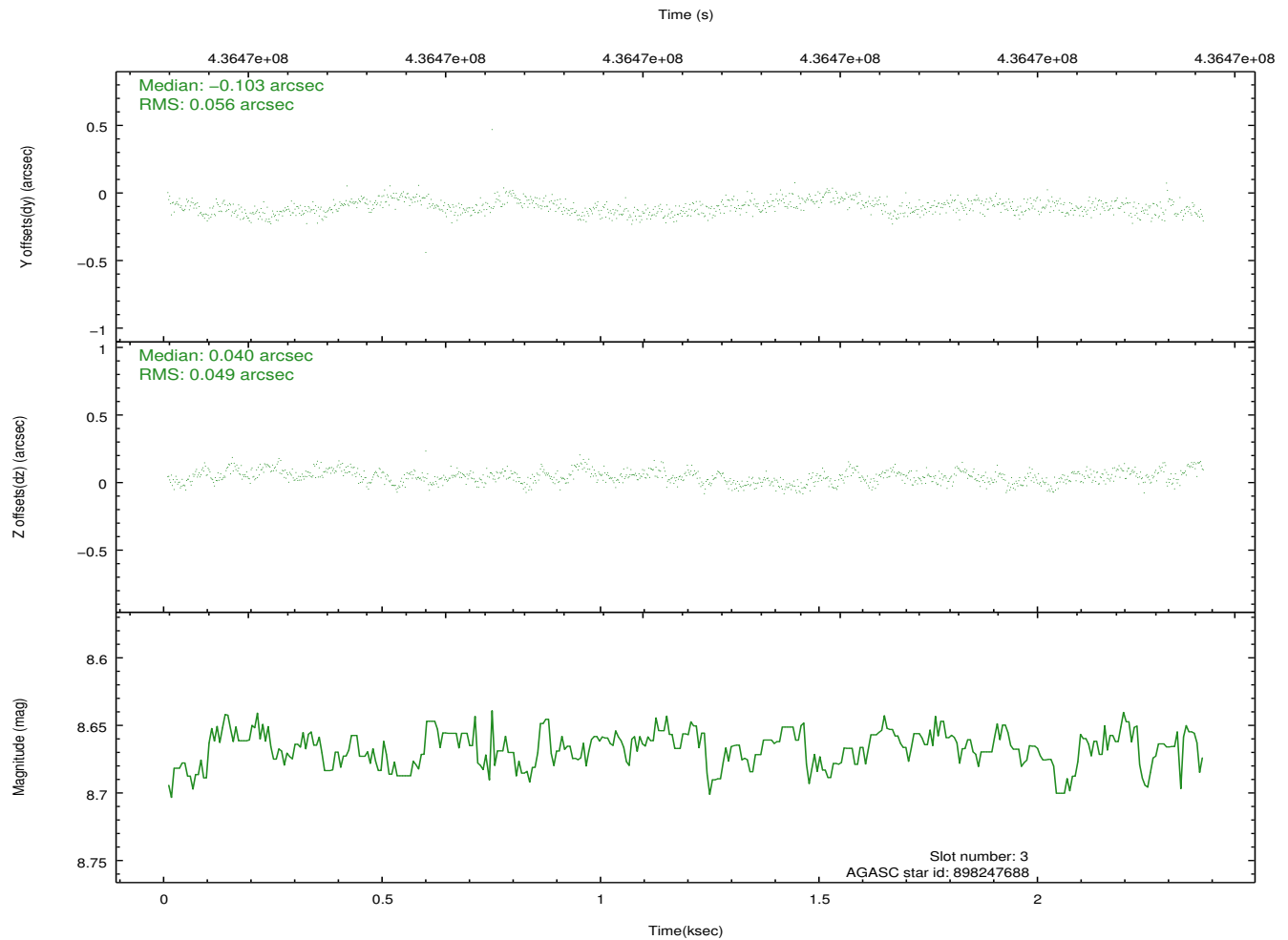
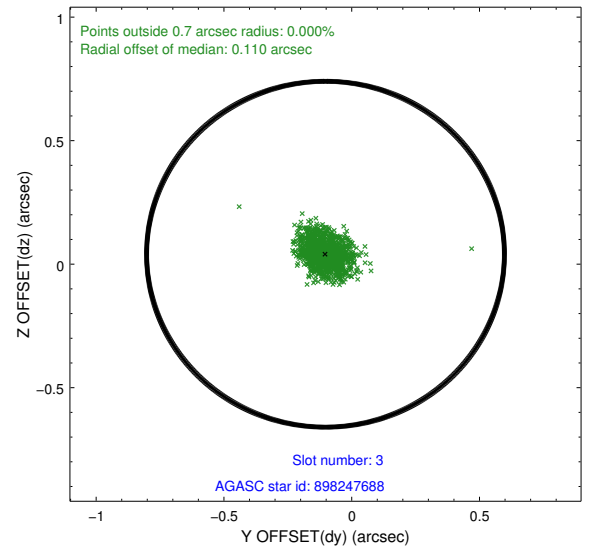
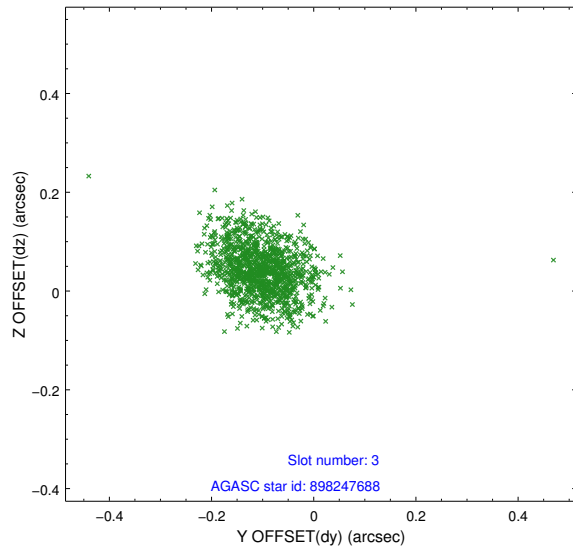


Slot Statistics

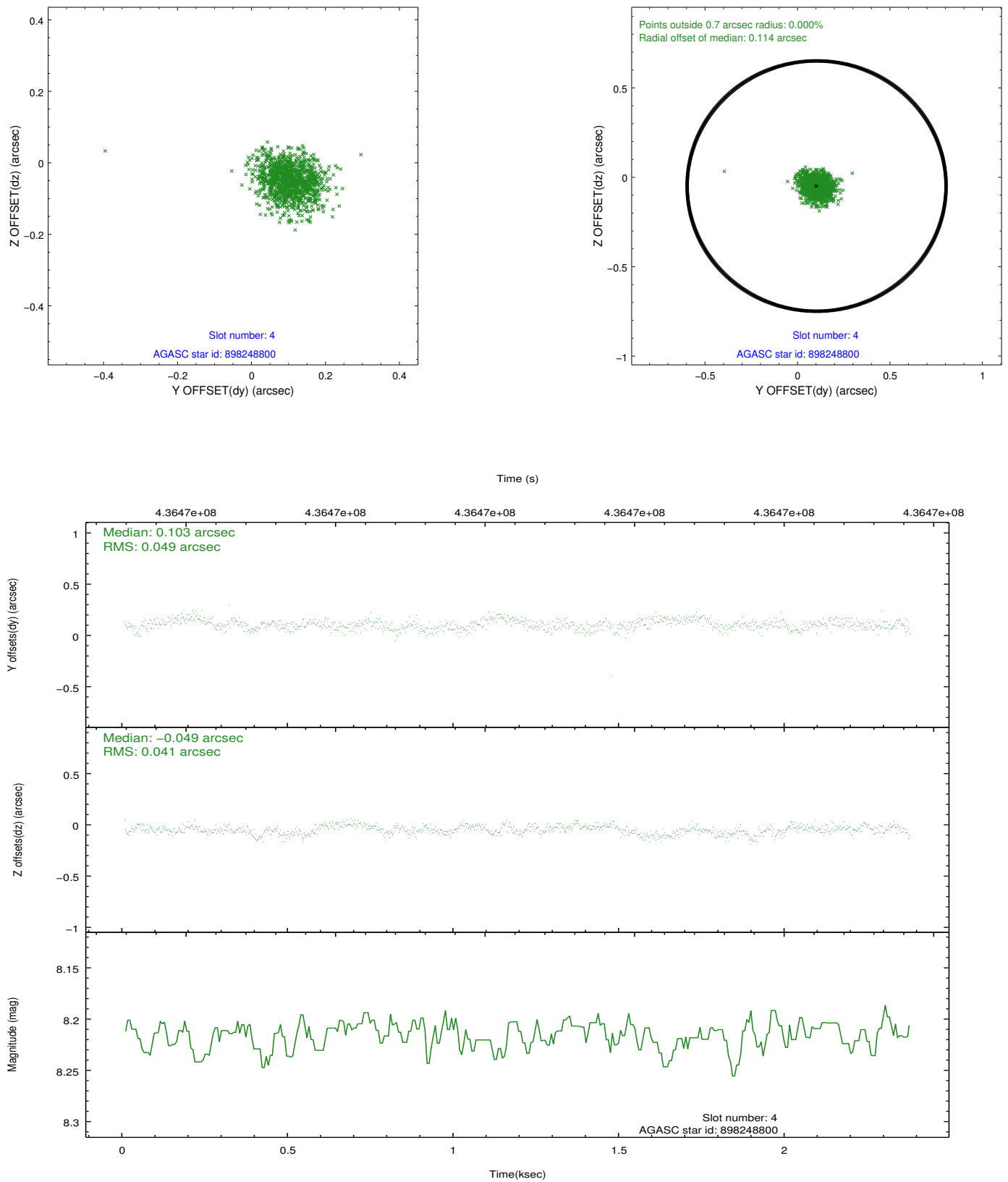
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	579	0.069	-0.031	0.007	0.011	0.000000	0.000000	930.42	-838.14
1	FID	ACIS-I-5	7.01	579	-0.230	0.067	0.007	0.014	0.000000	0.000000	-1816.48	1058.05
2	FID	ACIS-I-6	7.02	579	0.070	0.034	0.007	0.010	0.000000	0.000000	392.98	1705.64
3	GUIDE	898247688	8.67	1155	-0.103	0.040	0.078	0.122	268.426687	-29.012154	-1827.74	-443.53
4	GUIDE	898248800	8.22	1157	0.103	-0.049	0.066	0.109	267.977609	-29.931731	1603.76	-1519.16
5	GUIDE	898250872	7.06	1157	0.049	-0.162	0.047	0.083	268.026303	-29.632040	517.94	-1476.74
6	GUIDE	898267256	9.40	1155	-0.130	0.103	0.107	0.177	269.153744	-29.049851	-1905.78	1846.57
7	GUIDE	967050920	7.62	1156	0.077	0.072	0.065	0.107	268.870727	-30.021750	1657.64	1286.41

2.4 Star Slots

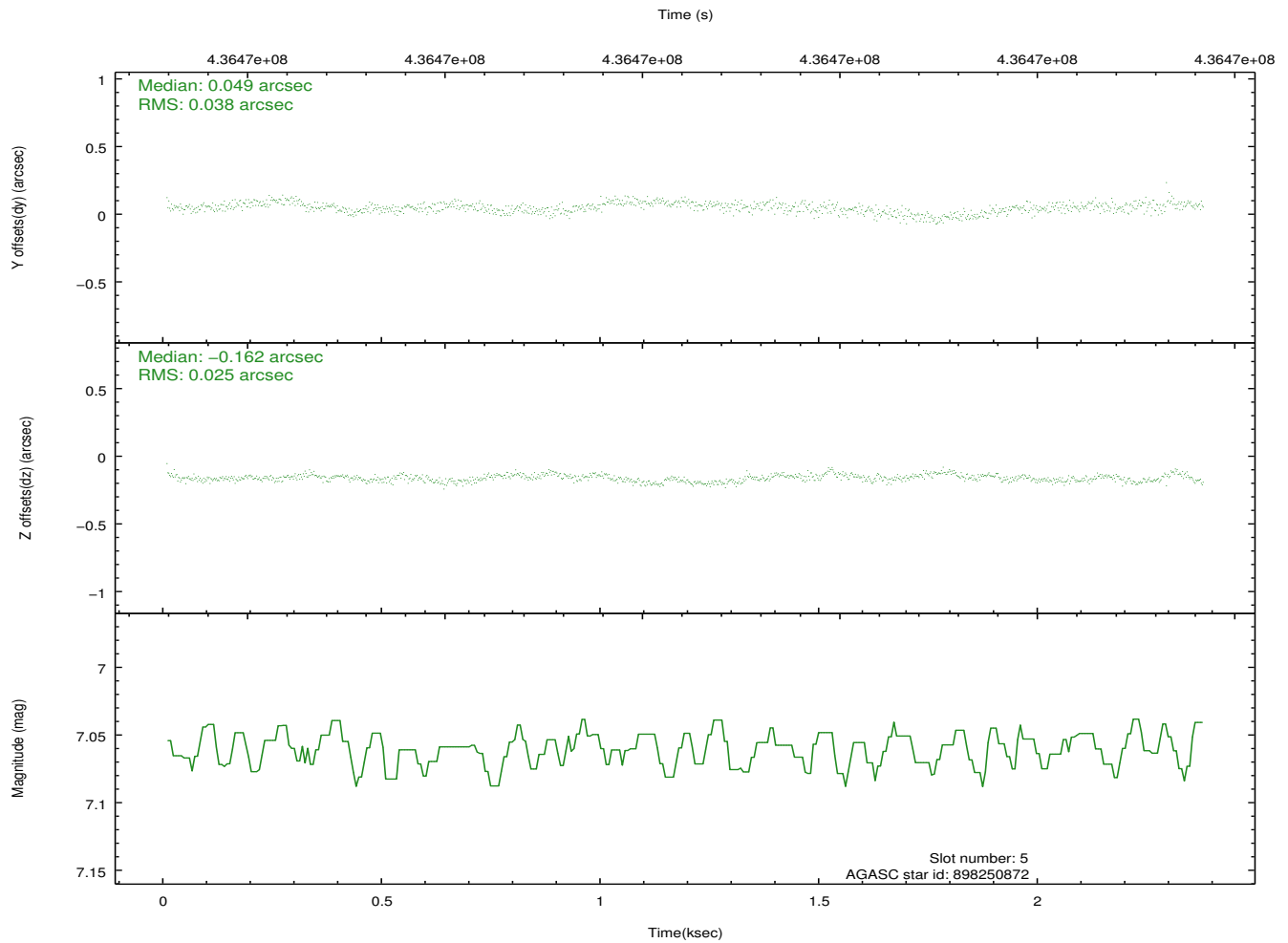
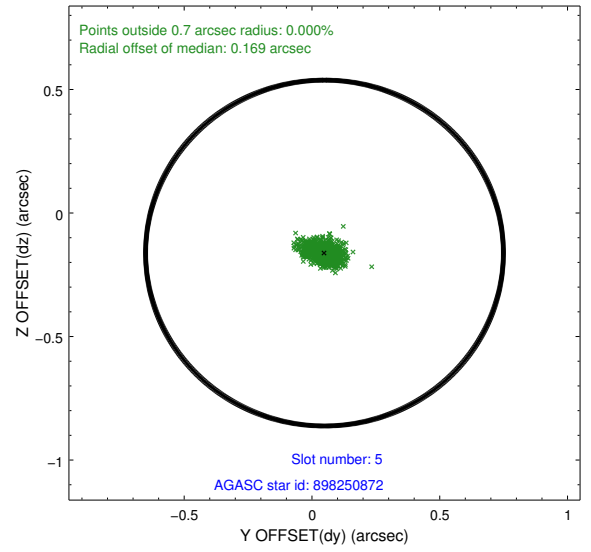
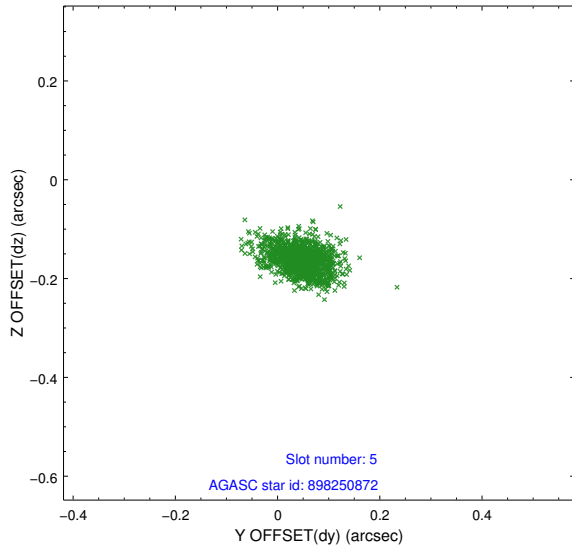
2.4.1 Slot 3



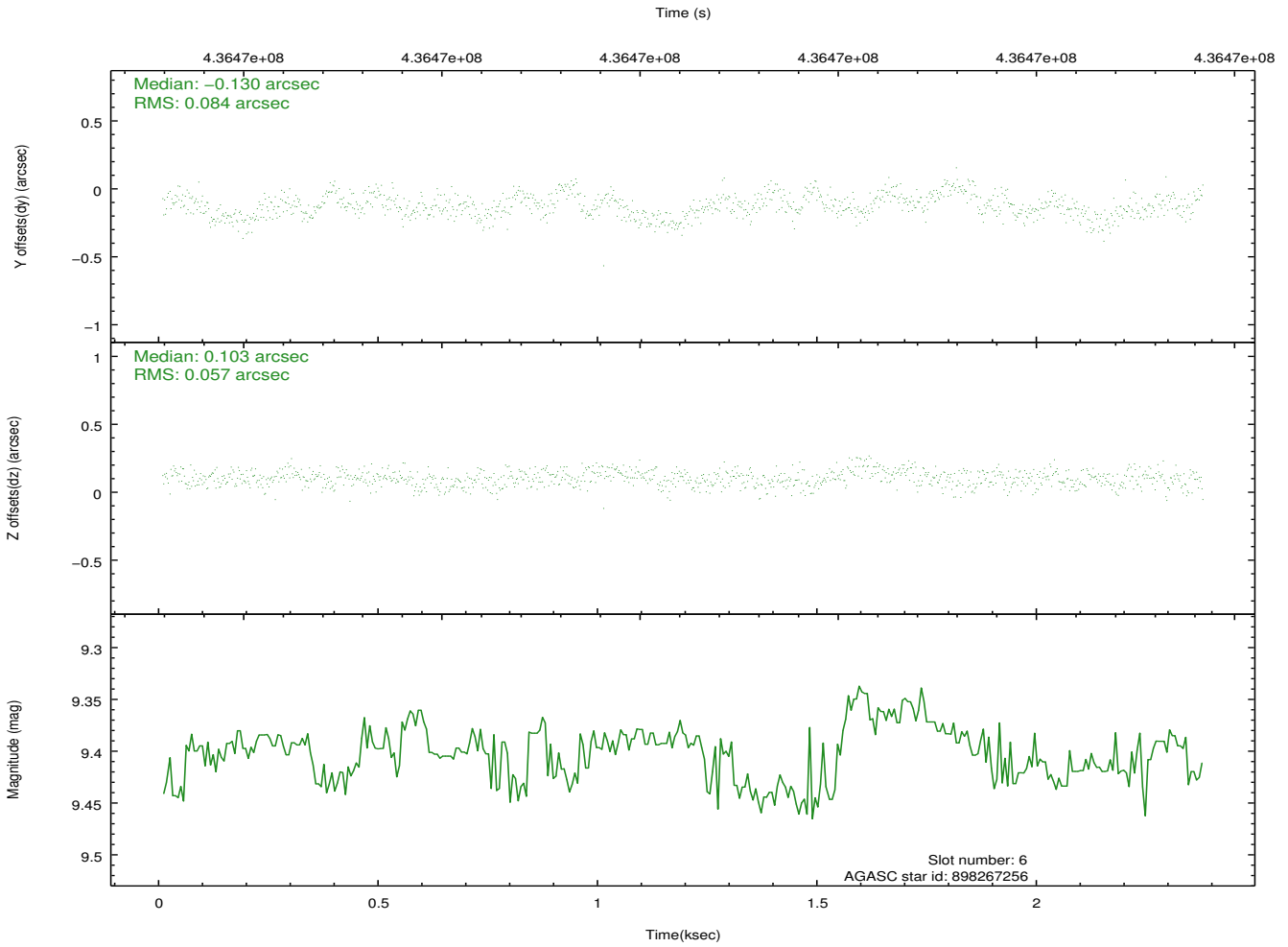
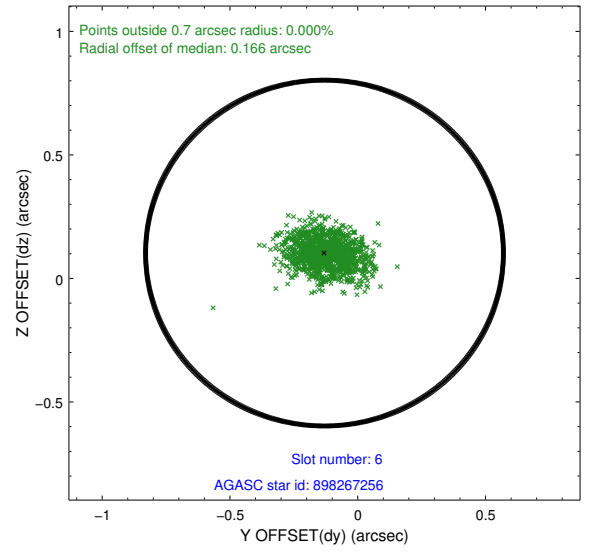
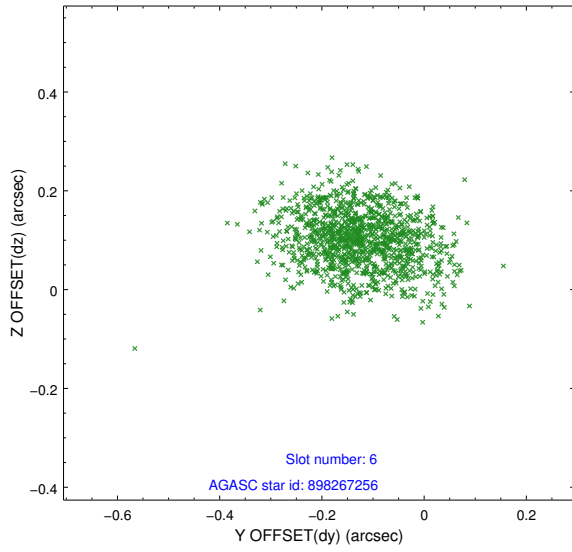
2.4.2 Slot 4



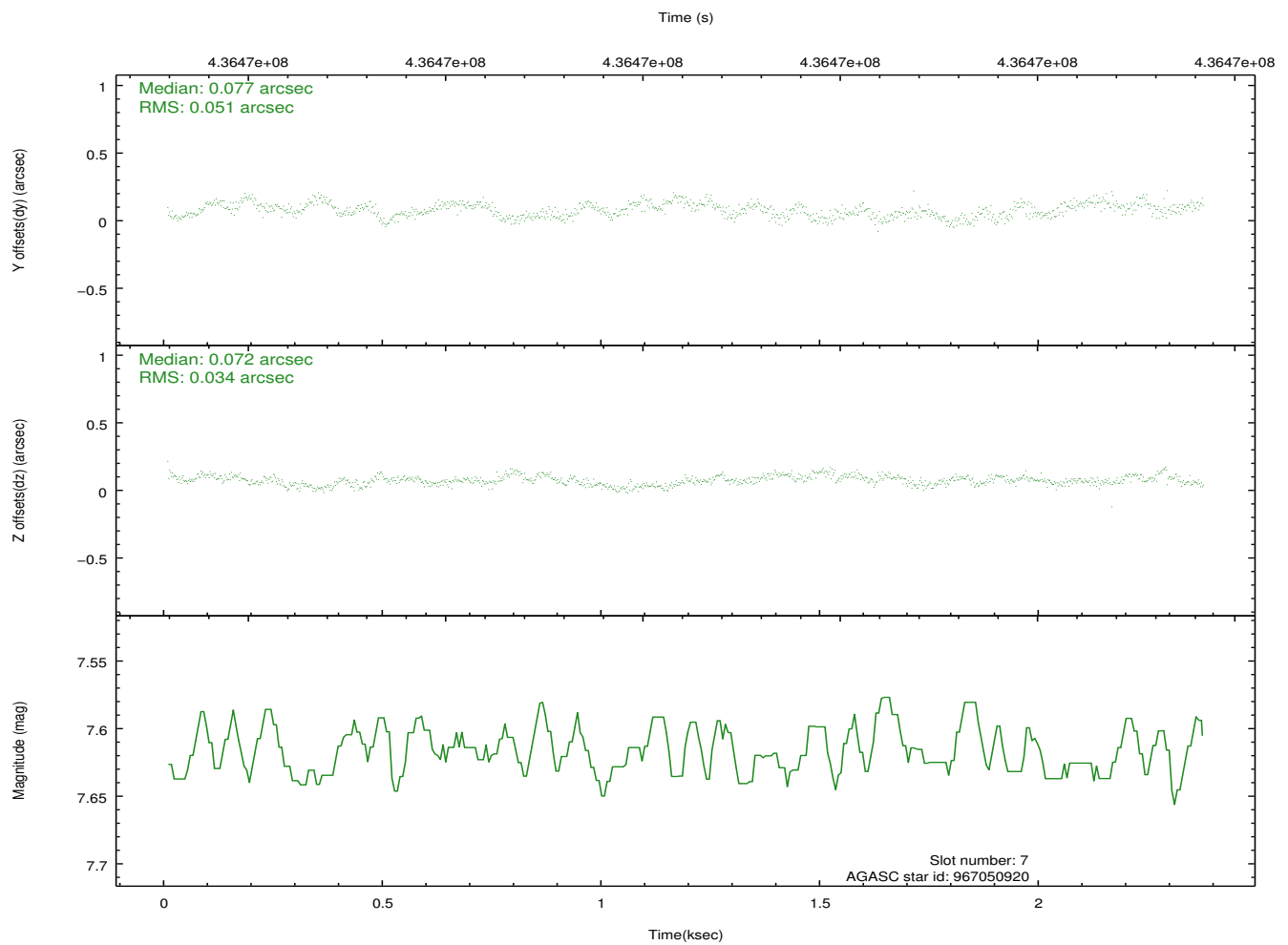
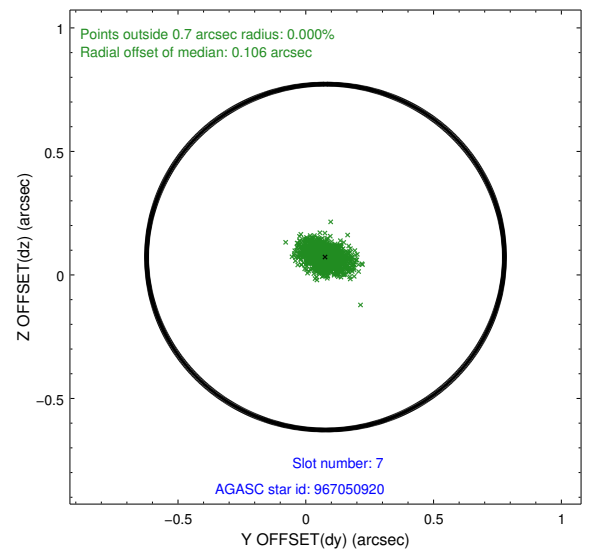
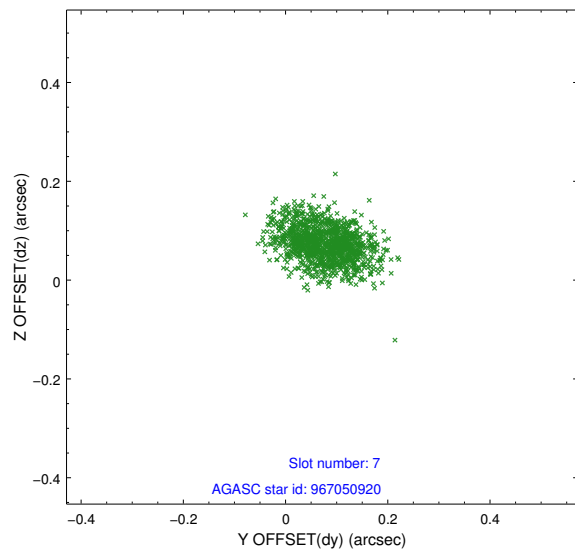
2.4.3 Slot 5



2.4.4 Slot 6

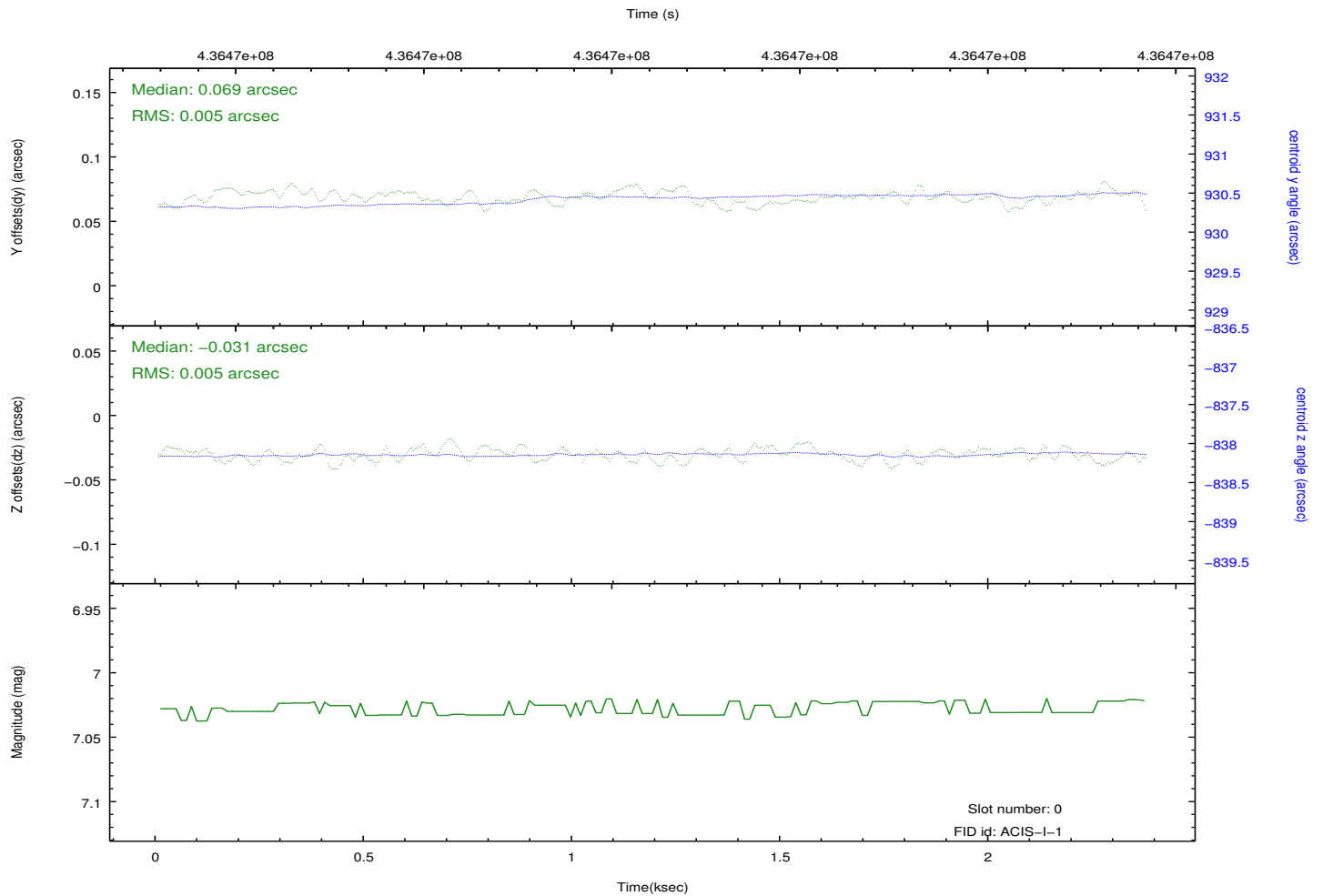
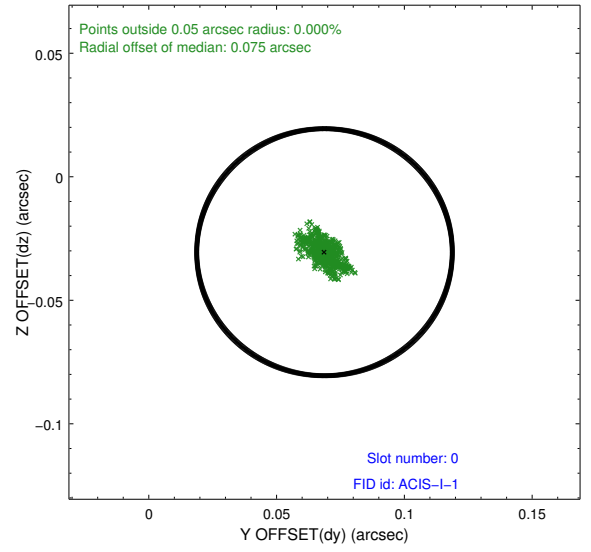
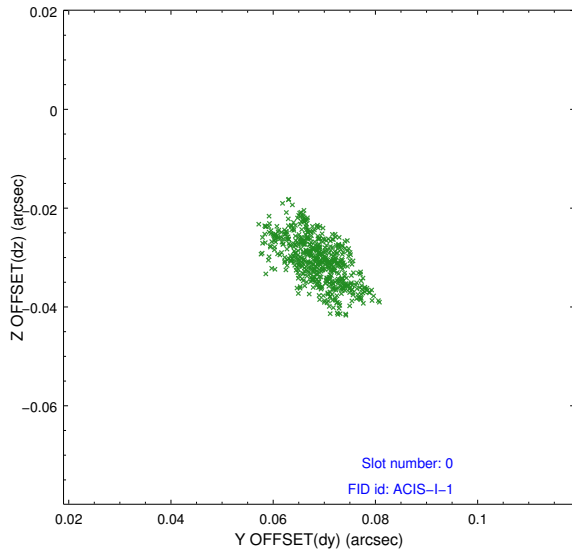


2.4.5 Slot 7

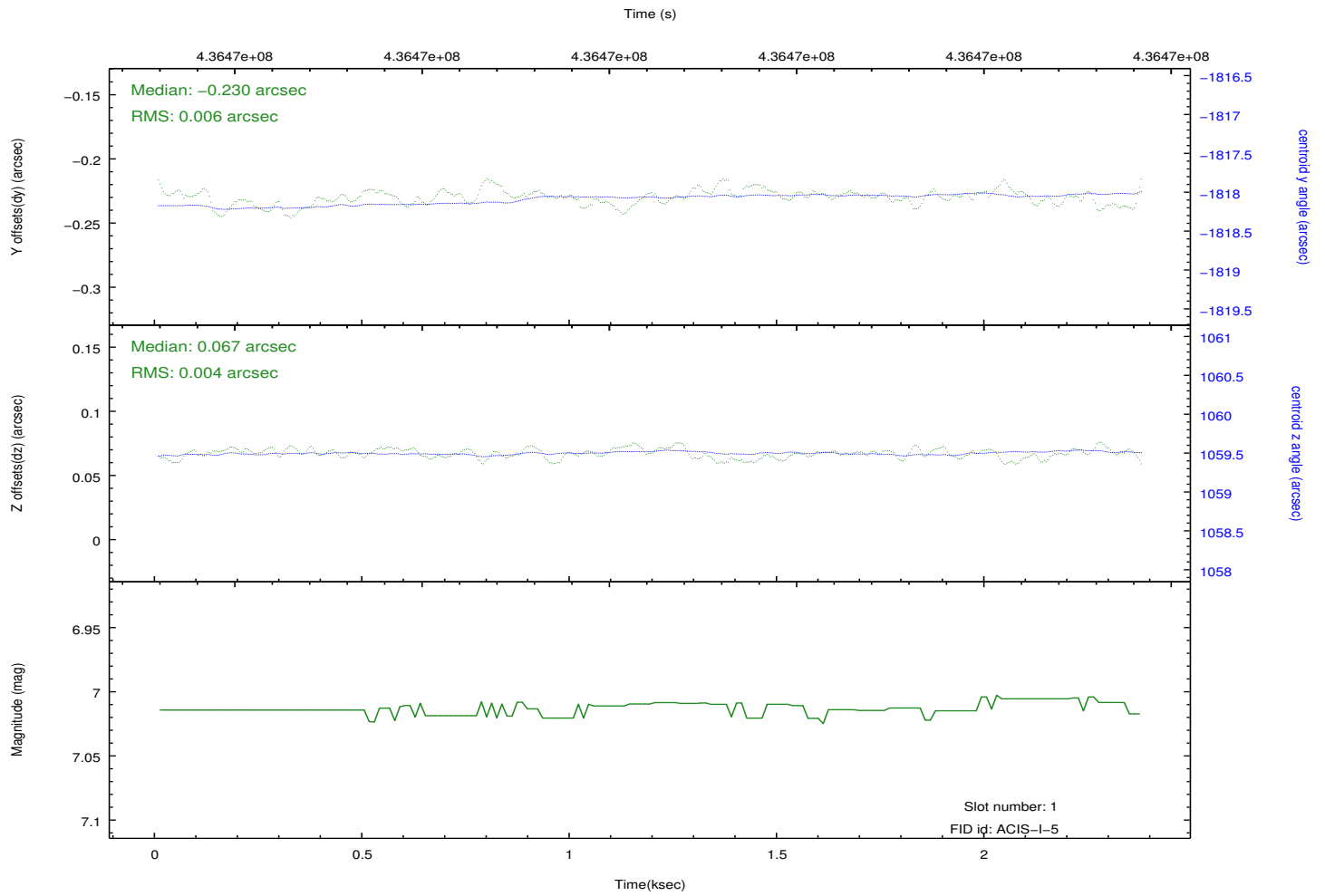
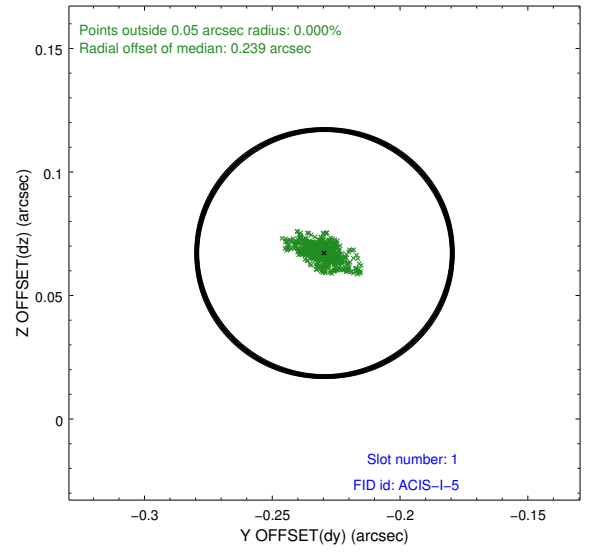
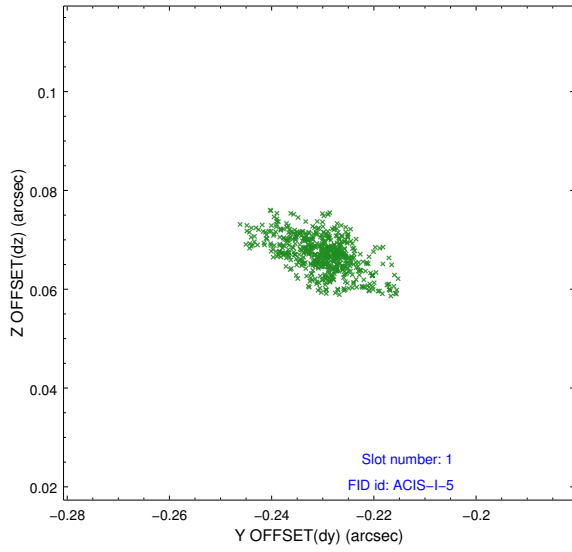


2.5 FID Slots

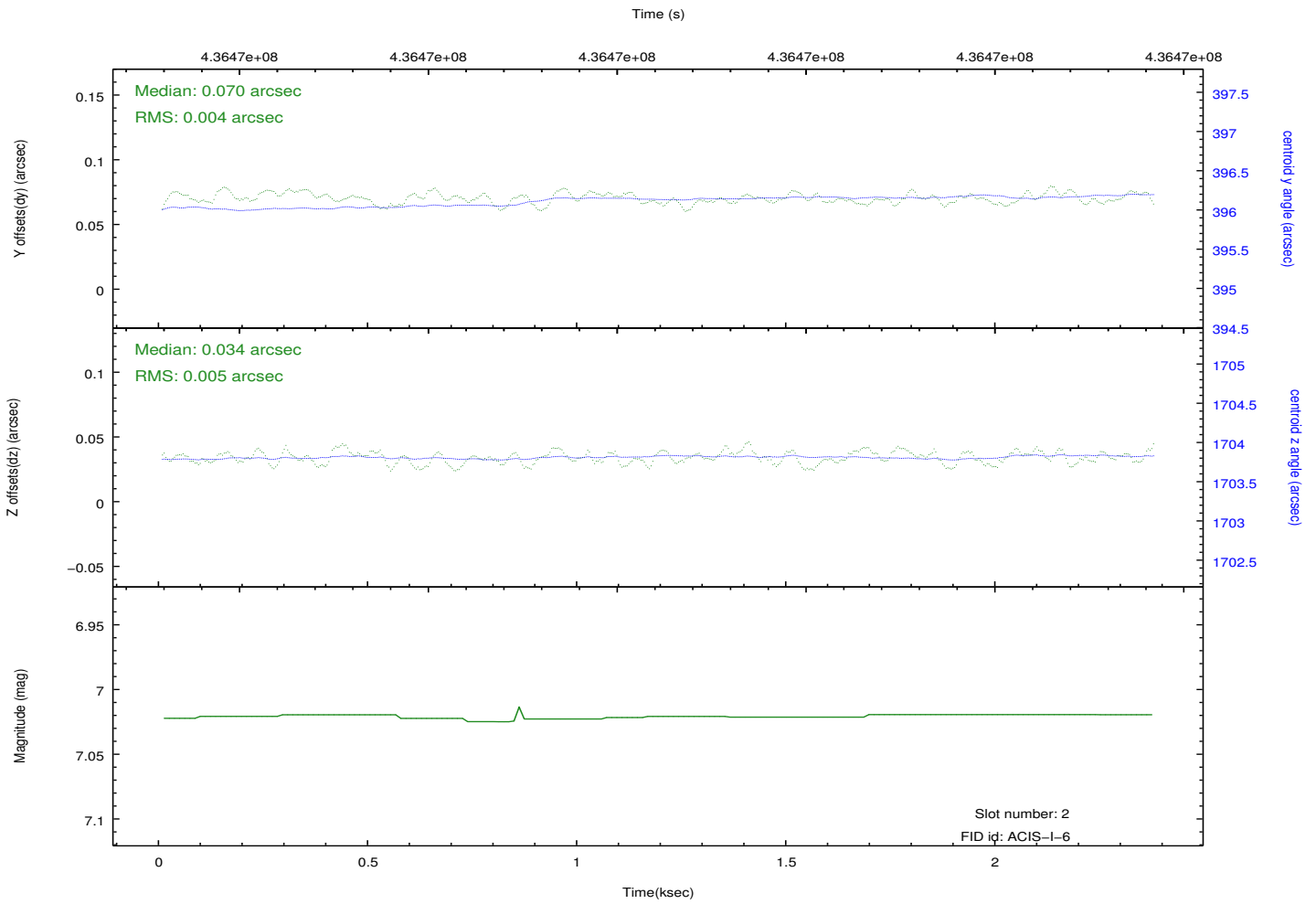
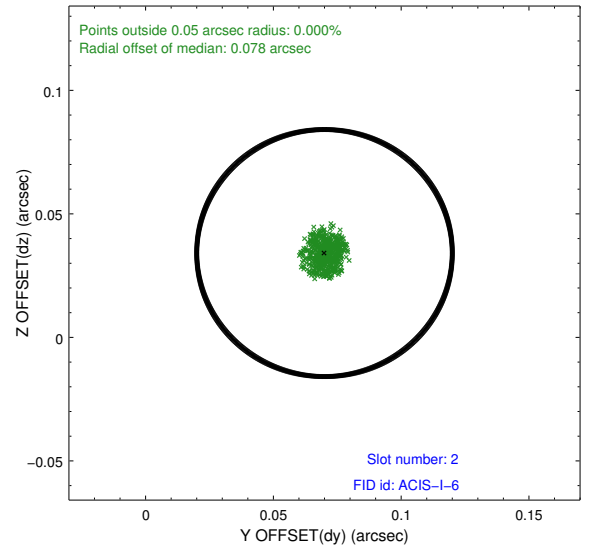
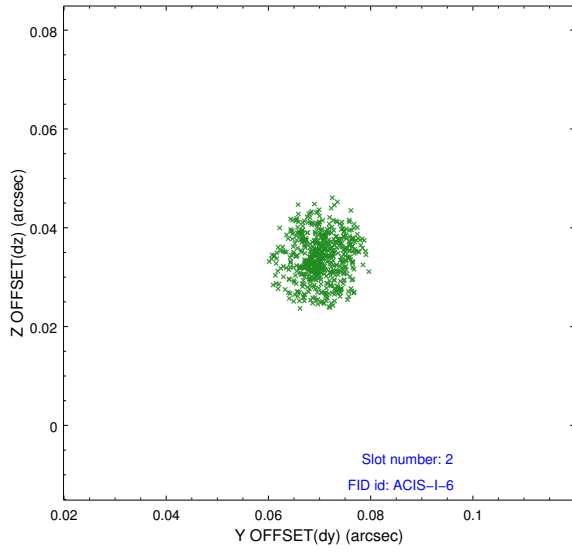
2.5.1 Slot 0



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)	2012.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9734350145459

A.2 Comments

Joint Proposal: NOAO