

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13535 - L2 Version 4
Chandra X-Ray Center

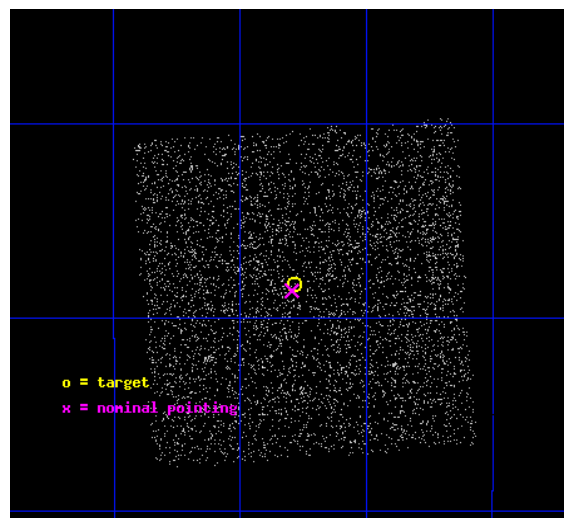
L2 Processing Date : Apr 5 2012

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1 Front

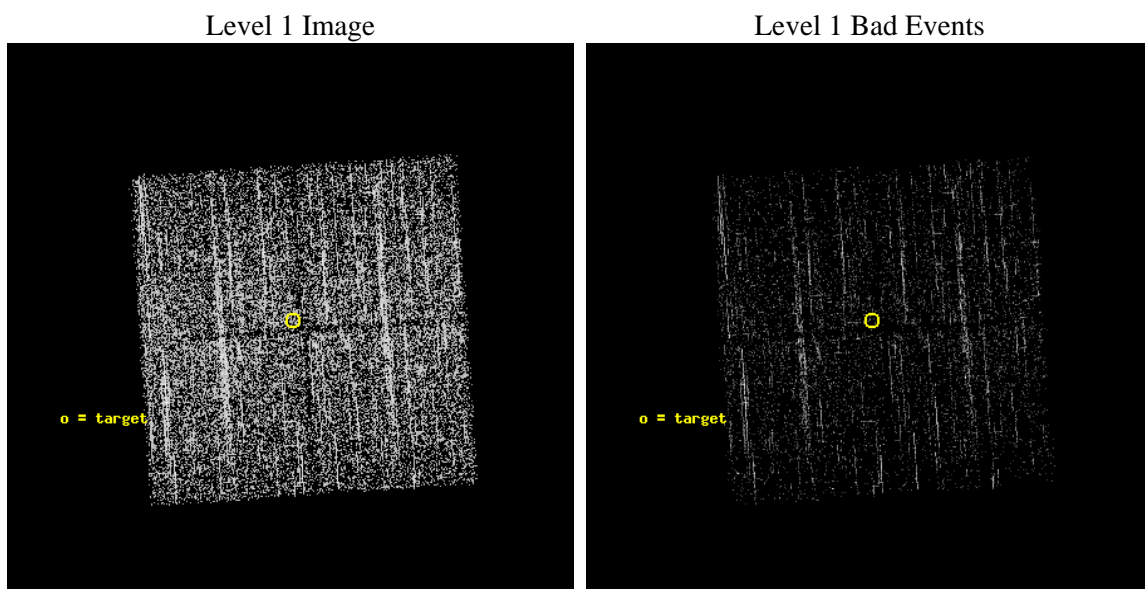
seq_num	401311	Sequence number
obs_id	13535	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.196514	Observer's specified target RA [deg]
dec_targ	-28.138507	Observer's specified target Dec [deg]
ra_nom	269.19888365661	Nominal RA [deg]
dec_nom	-28.143682953958	Nominal Dec [deg]
roll_nom	266.19249618562	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2067.7000159025	Sum of GTIs [s]
livetime	2040.6839929761	Livetime [s]
ontime0	2067.7000159025	Sum of GTIs [s]
ontime1	2067.7000159025	Sum of GTIs [s]
ontime2	2067.7000159025	Sum of GTIs [s]
ontime3	2067.7000159025	Sum of GTIs [s]
l2events	5939	Number of level 2 events



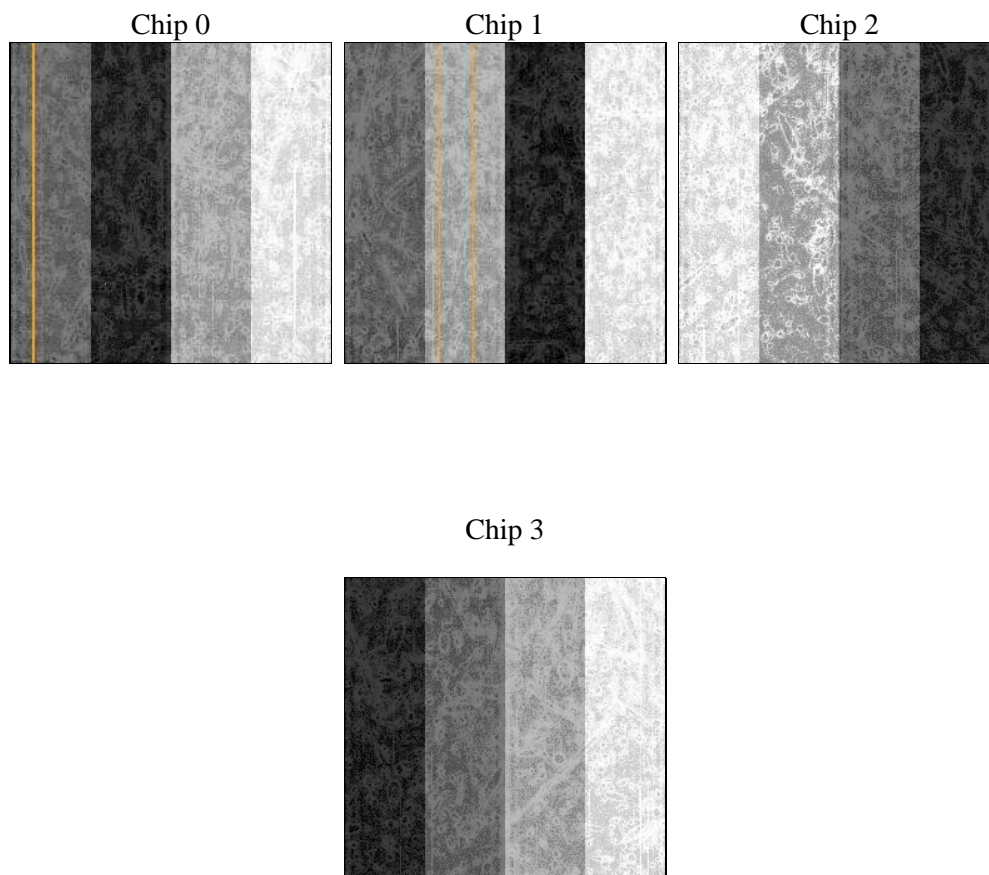
2 OBI

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	8.4.3.1	Processing system revision	ontime	2067.7000159025	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2067.7000159025	Sum of GTIs [s]
date	2012-04-04T19:12:00	Date and time of file creation	ontime1	2067.7000159025	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2067.7000159025	Sum of GTIs [s]
			ontime3	2067.7000159025	Sum of GTIs [s]
			l1events	51557	Number of level 1 events

2.1.4 Events

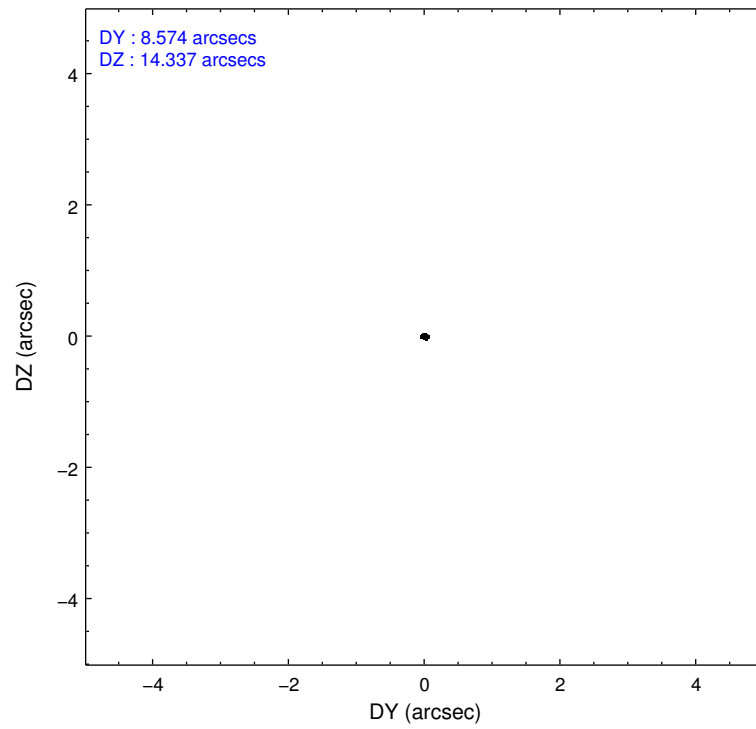
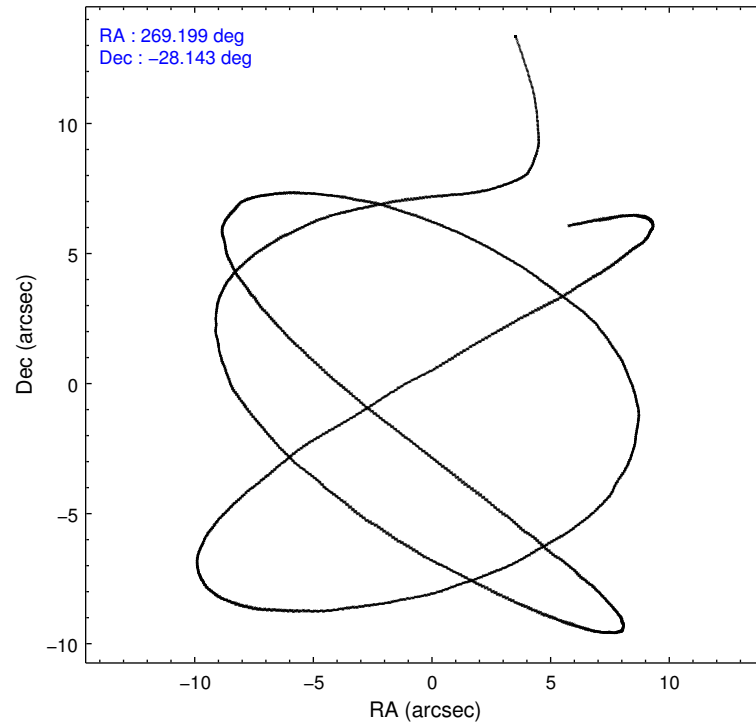
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	12154	12974	13427	13002
rejected events	10439	11083	11693	11340
rejected %	85%	85%	87%	87%

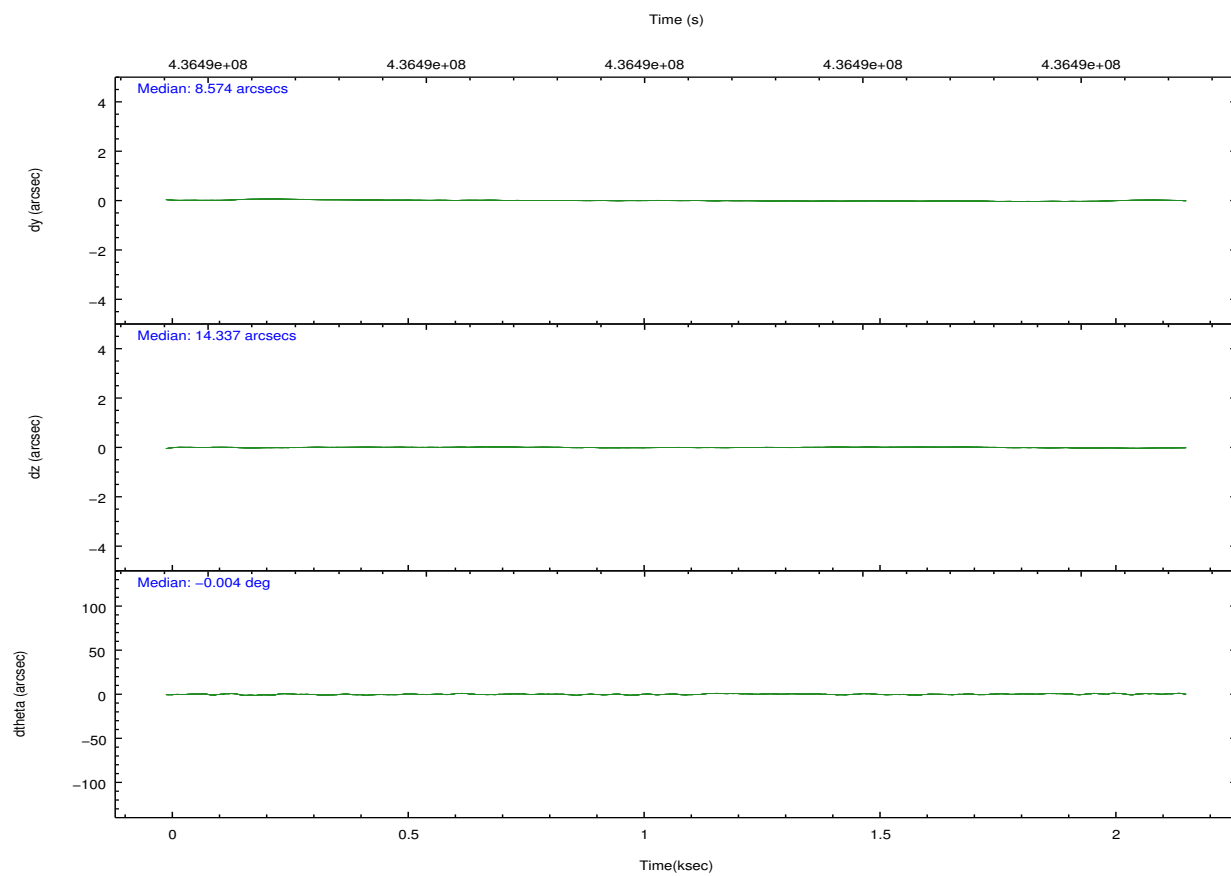
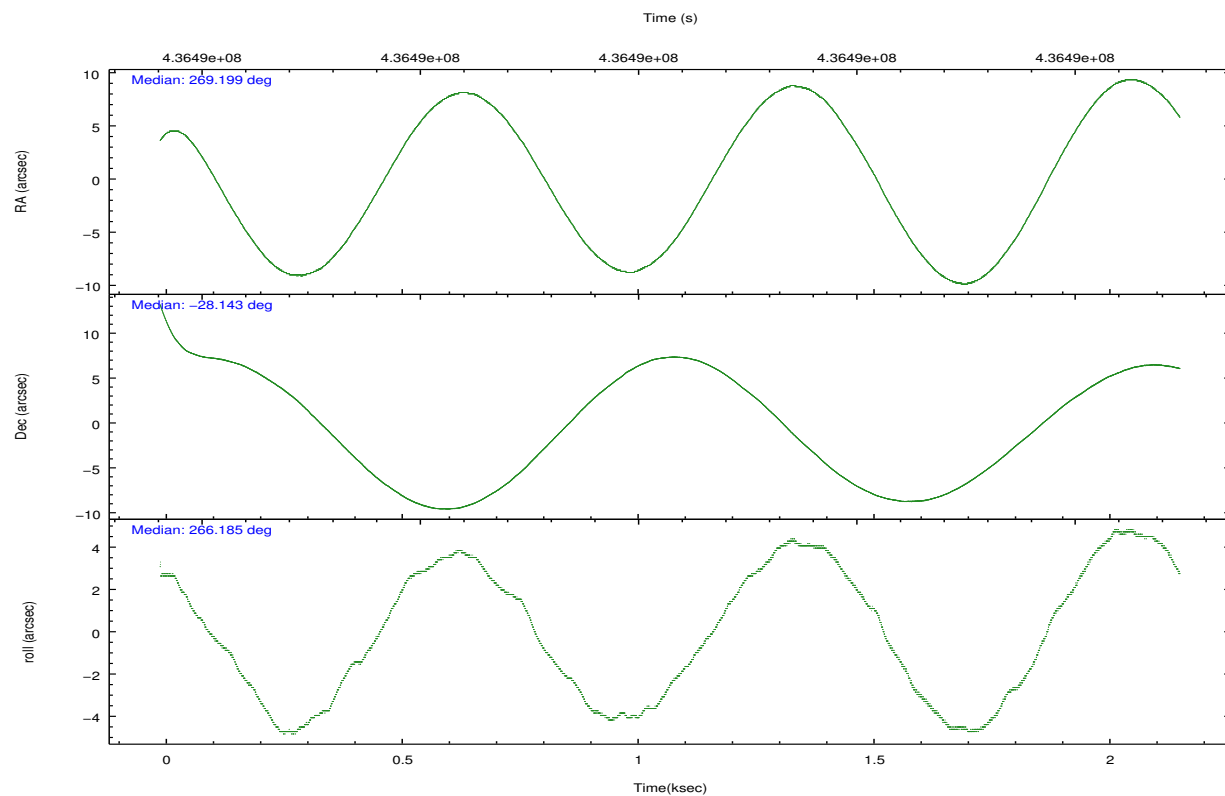
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	723	803	754	758
	5%	6%	5%	5%
grade 1 events	10	4	9	12
	0%	0%	0%	0%
grade 2 events	370	413	373	291
	3%	3%	2%	2%
grade 3 events	156	169	169	184
	1%	1%	1%	1%
grade 4 events	160	169	160	147
	1%	1%	1%	1%
grade 5 events	560	599	476	646
	4%	4%	3%	4%
grade 6 events	313	342	285	287
	2%	2%	2%	2%
grade 7 events	9862	10475	11201	10677
	81%	80%	83%	82%

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	269.184976	269.1988836566134	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.119245	-28.14368295395795	Alternating exposures requested	N	N
[deg] Pointing Roll	265.977260	266.1924961856158	[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)	436492149.184000	436490654.85531			
Observation start date	2011-10-31T23:48:03	2011-10-31T23:24:14			
[s] Observation end time (MET)	436494149.184000	436494282.843			
Observation end date	2011-11-01T00:21:23	2011-11-01T00:24:42			
Read mode	TIMED	TIMED			

2.3 Aspect



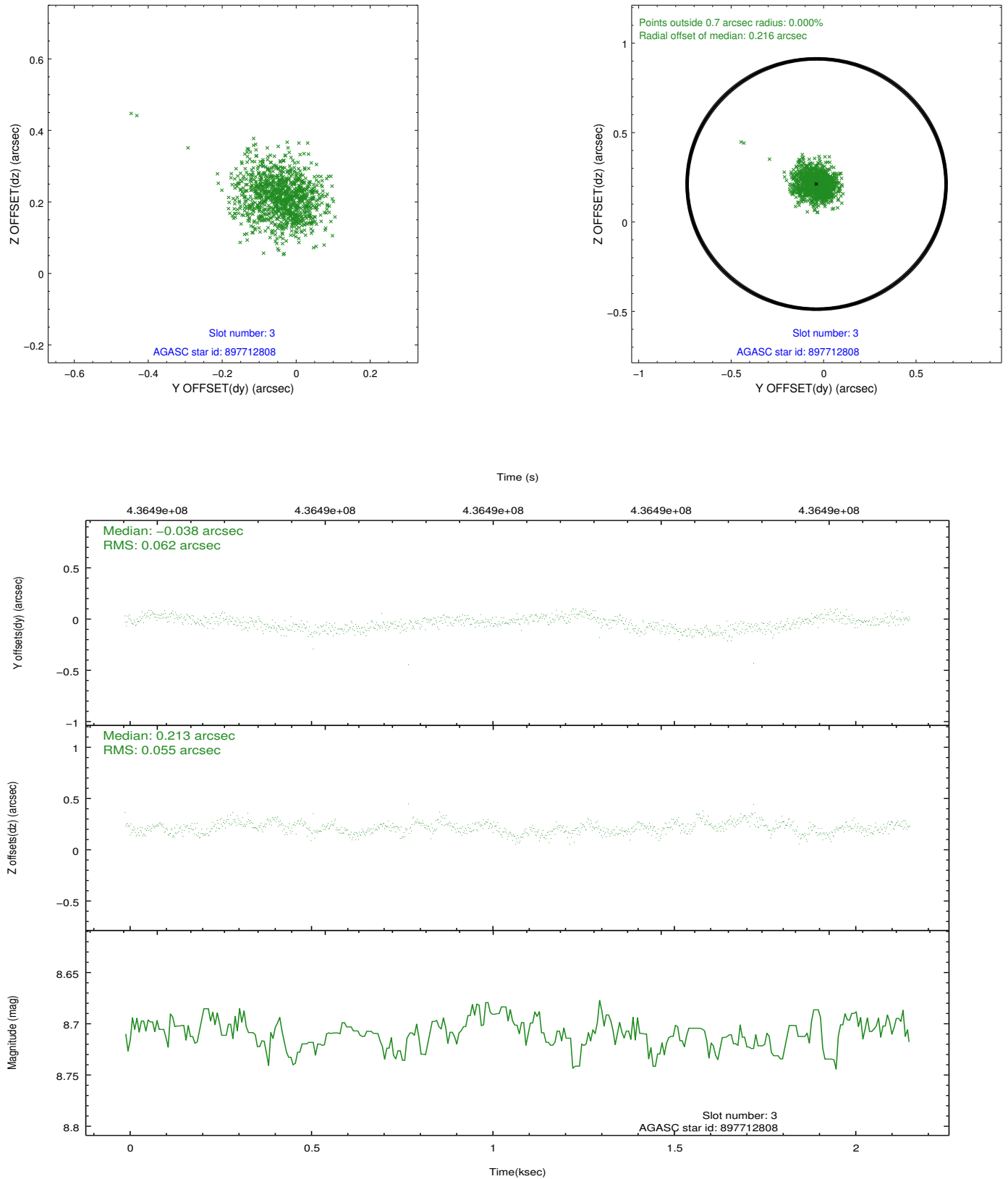


Slot Statistics

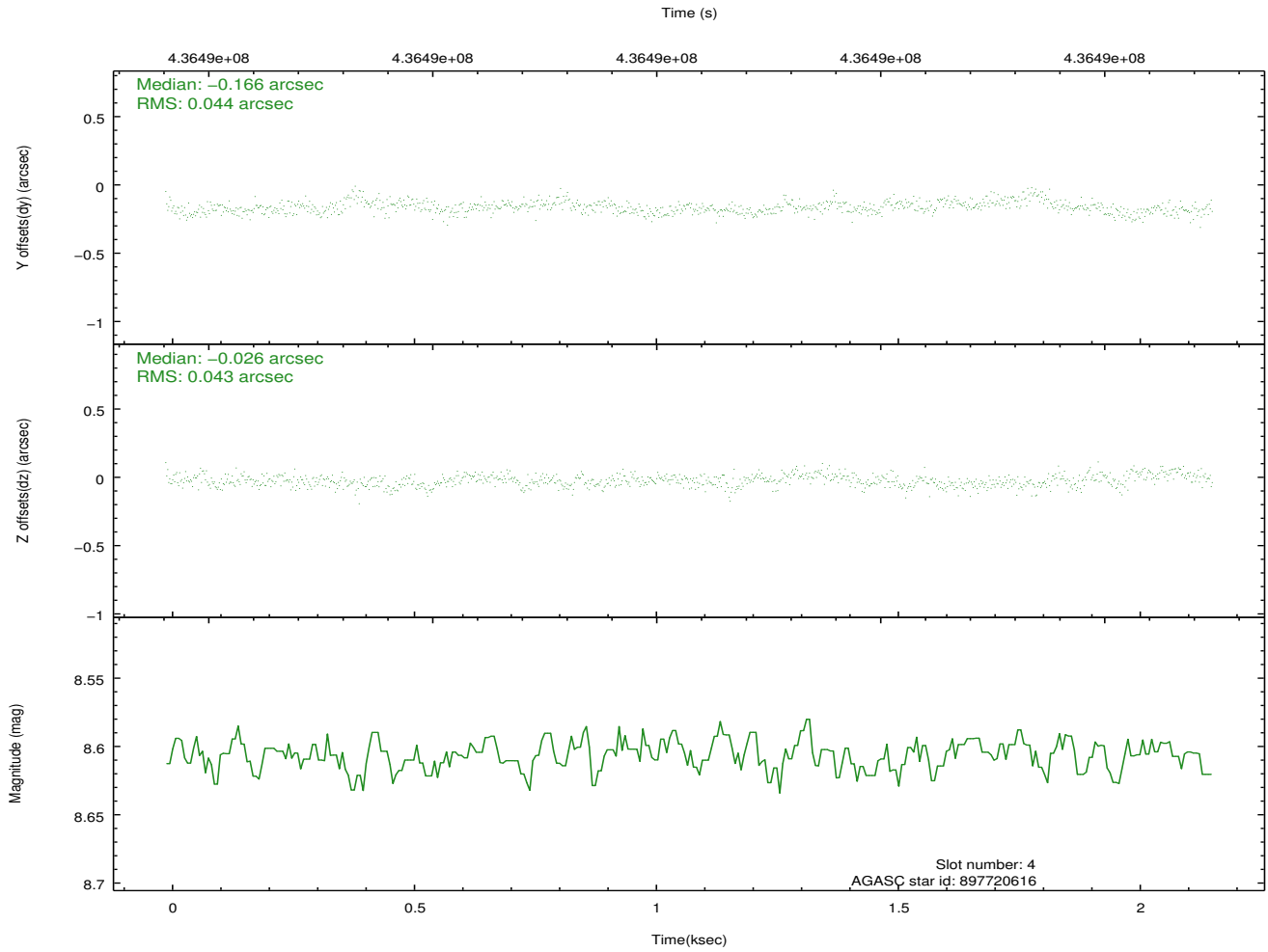
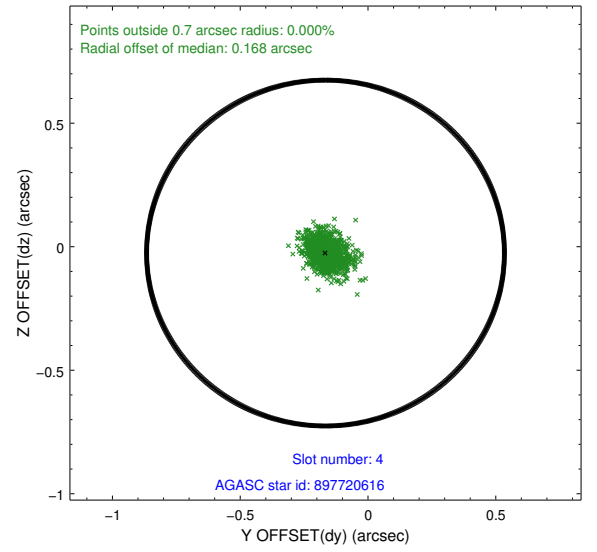
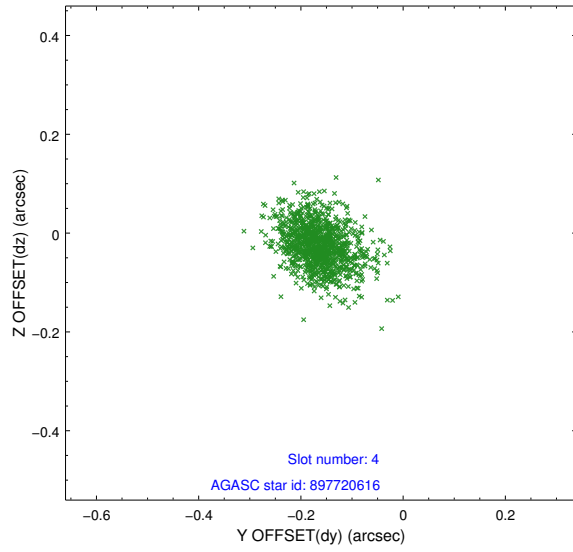
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	528	0.114	-0.005	0.008	0.013	0.000000	0.000000	931.21	-837.89
1	FID	ACIS-I-2	6.93	528	-0.072	-0.087	0.009	0.017	0.000000	0.000000	-761.39	-845.99
2	FID	ACIS-I-5	7.00	528	-0.134	0.164	0.009	0.017	0.000000	0.000000	-1818.75	1058.13
3	GUIDE	897712808	8.71	1055	-0.038	0.213	0.085	0.140	268.777505	-27.542029	-1978.02	-1443.24
4	GUIDE	897720616	8.61	1056	-0.166	-0.026	0.064	0.112	269.886360	-27.876425	-1023.53	2164.18
5	GUIDE	897721048	7.90	1056	-0.060	0.014	0.053	0.088	268.989561	-28.030814	-273.45	-639.62
6	GUIDE	898258992	7.99	1056	-0.010	0.014	0.061	0.097	269.435214	-28.570389	1566.06	902.93
7	GUIDE	898238128	7.75	1055	0.279	-0.218	0.077	0.148	268.450740	-28.688500	2217.09	-2167.88

2.4 Star Slots

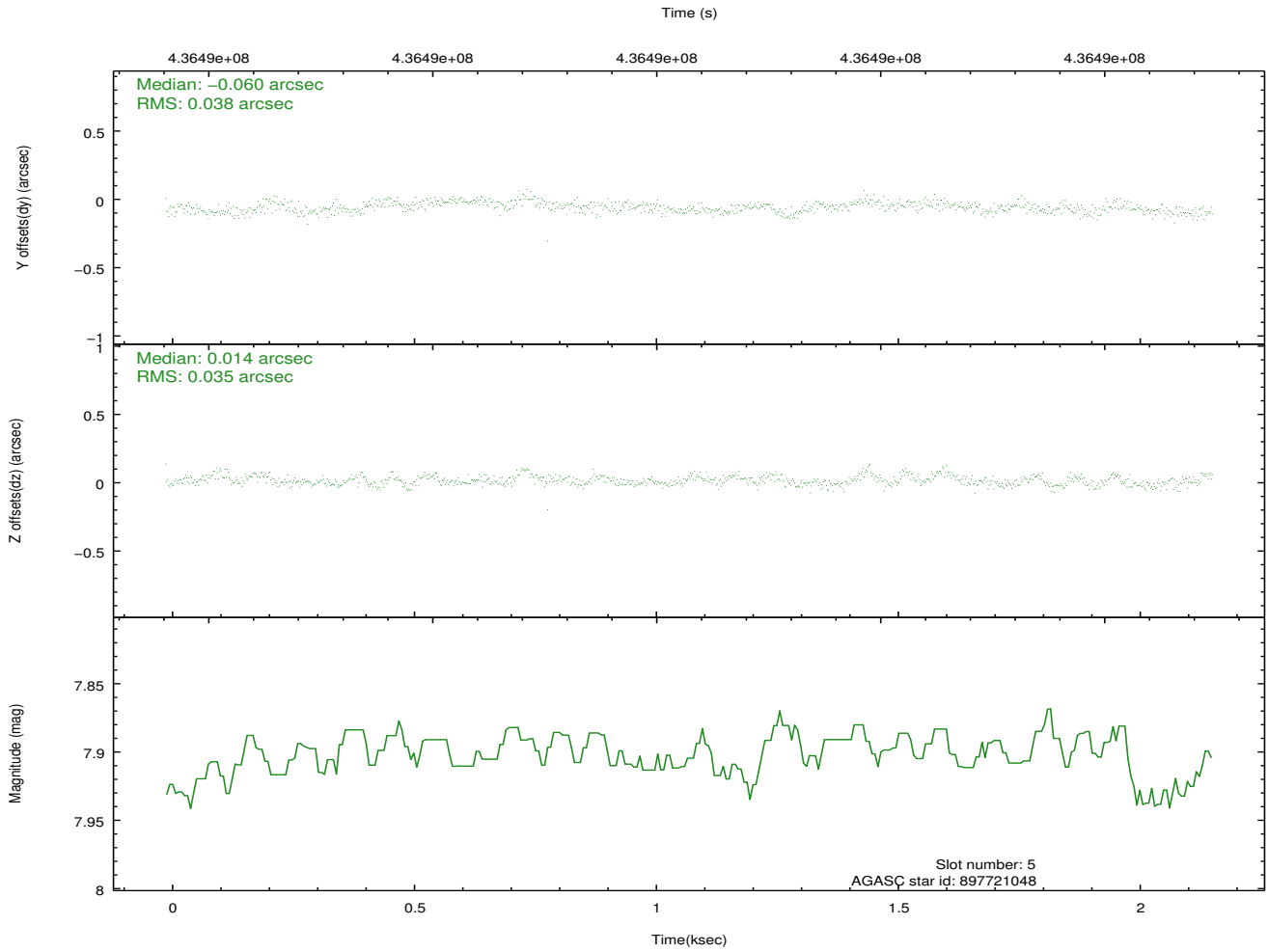
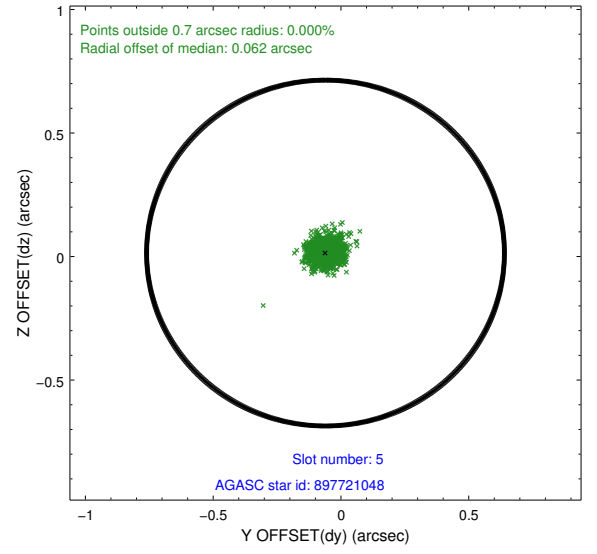
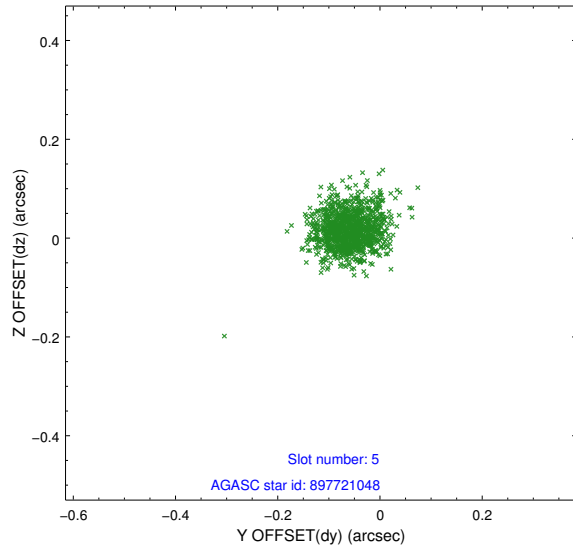
2.4.1 Slot 3



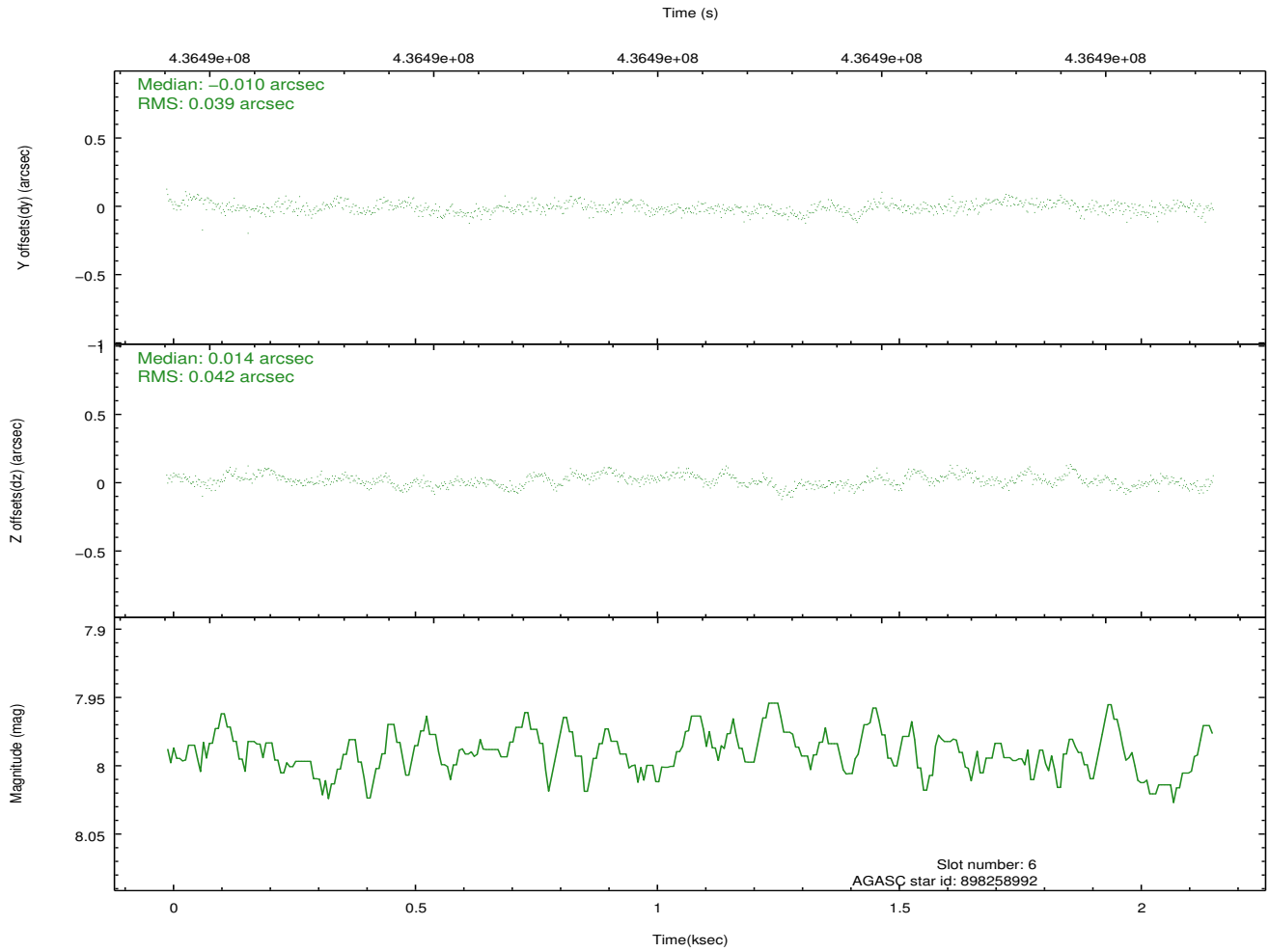
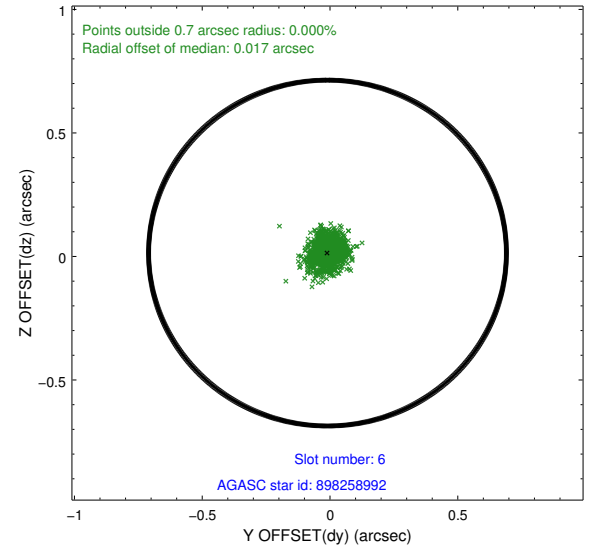
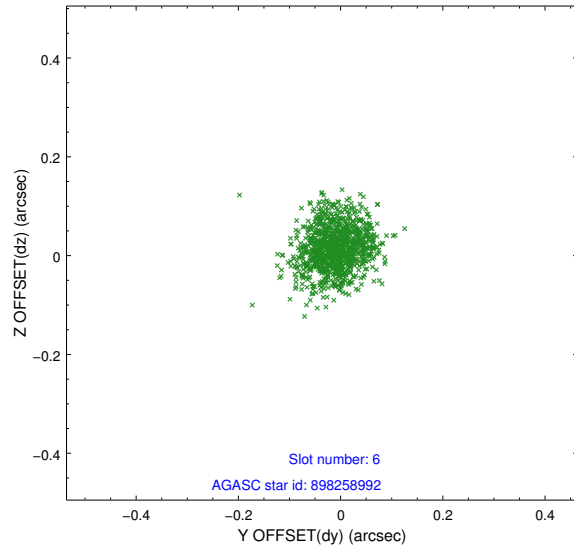
2.4.2 Slot 4



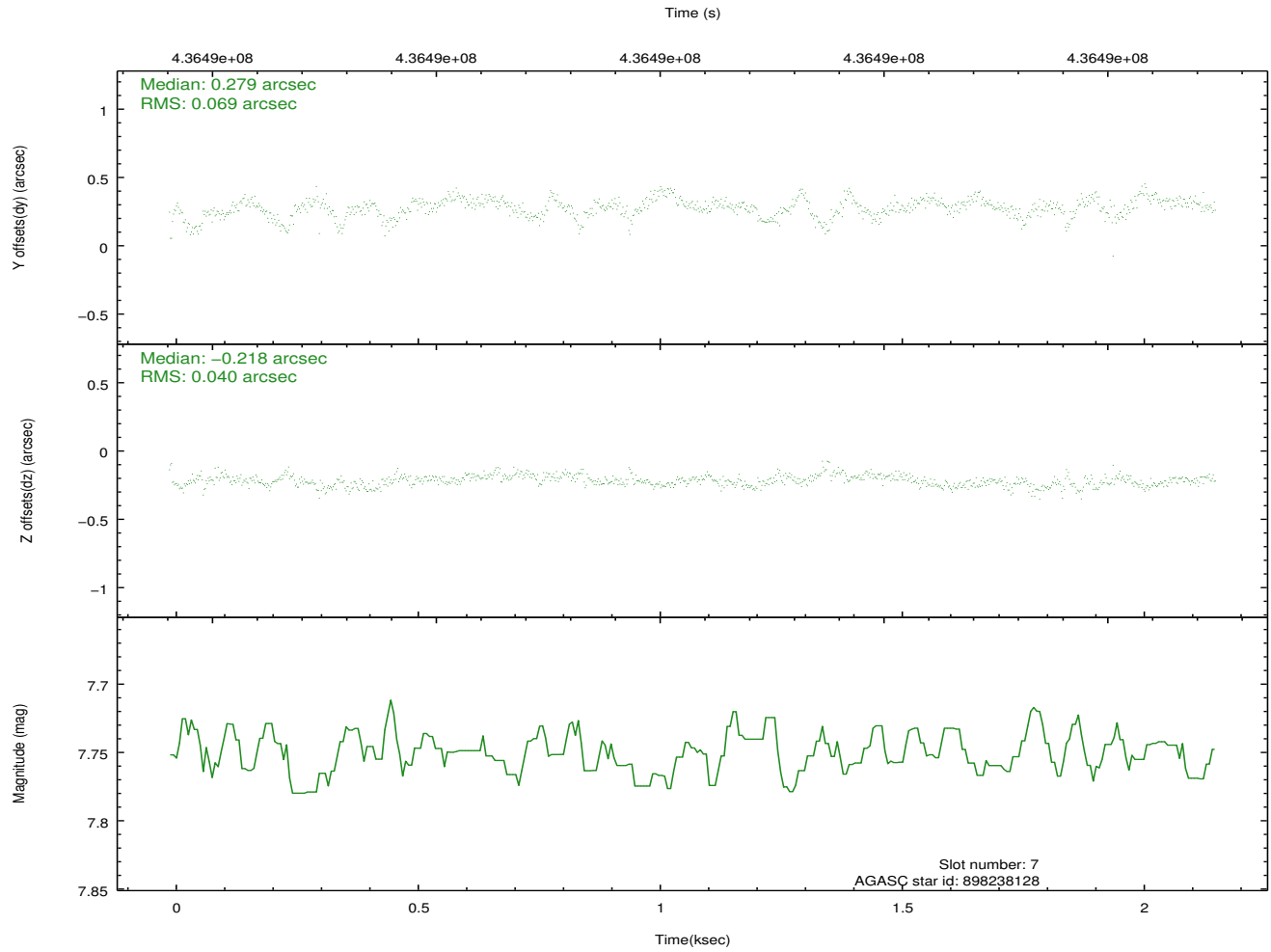
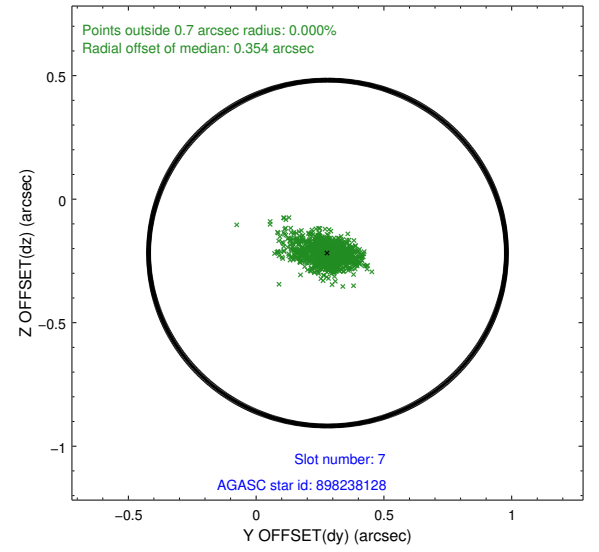
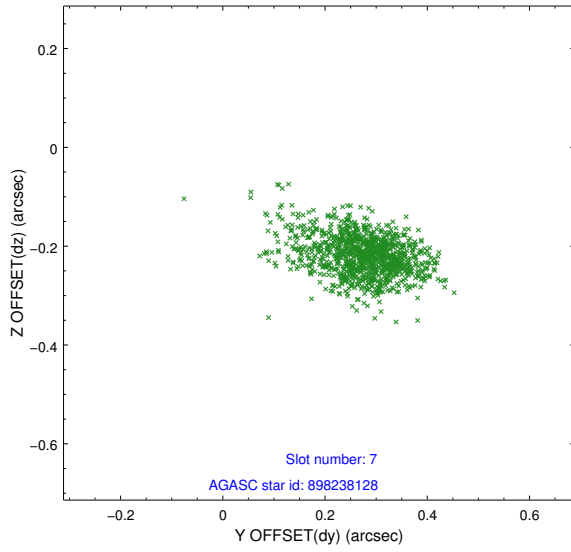
2.4.3 Slot 5



2.4.4 Slot 6

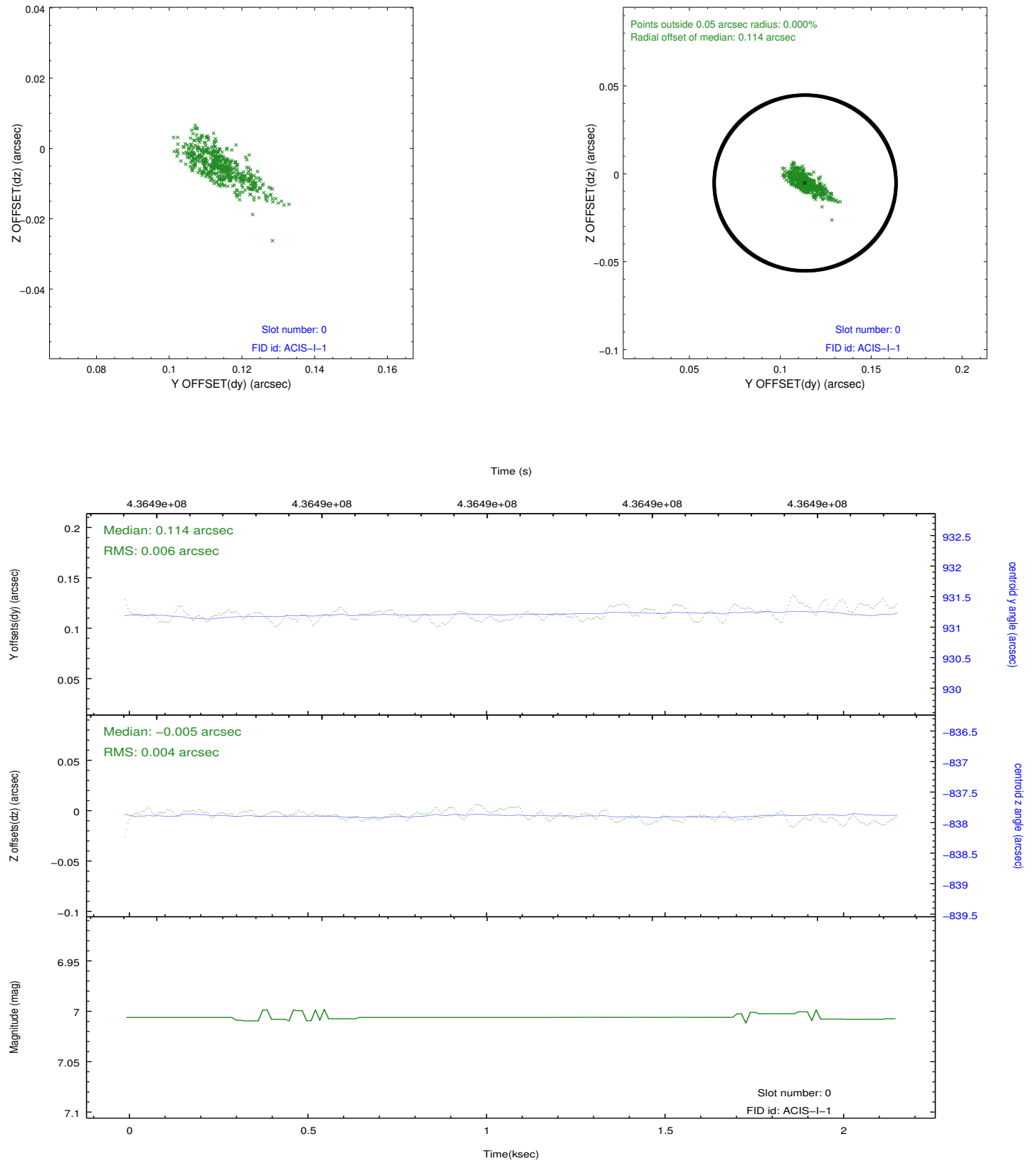


2.4.5 Slot 7

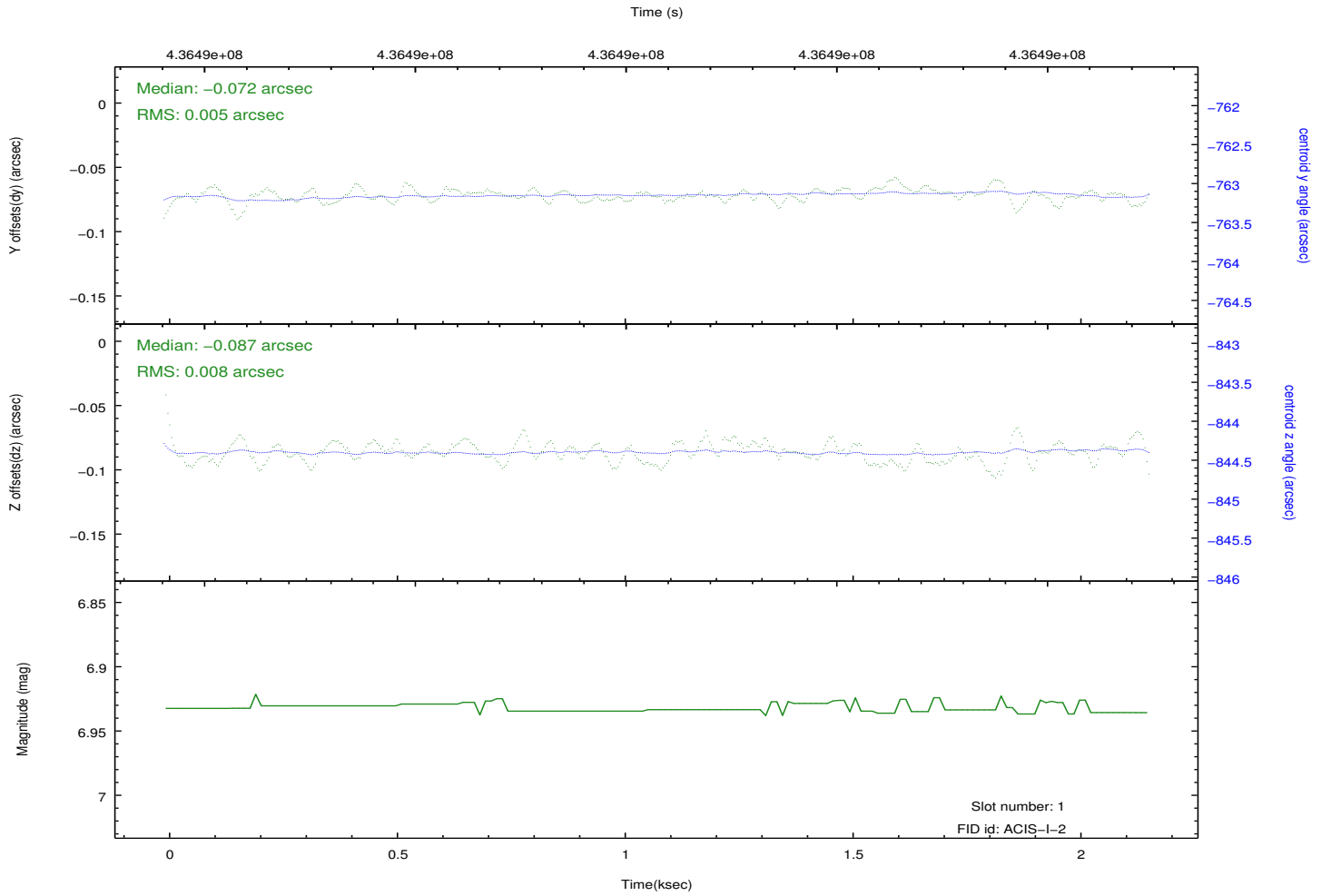
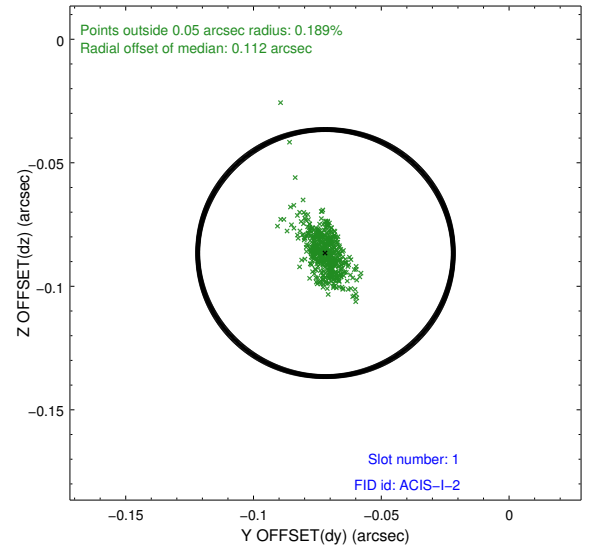
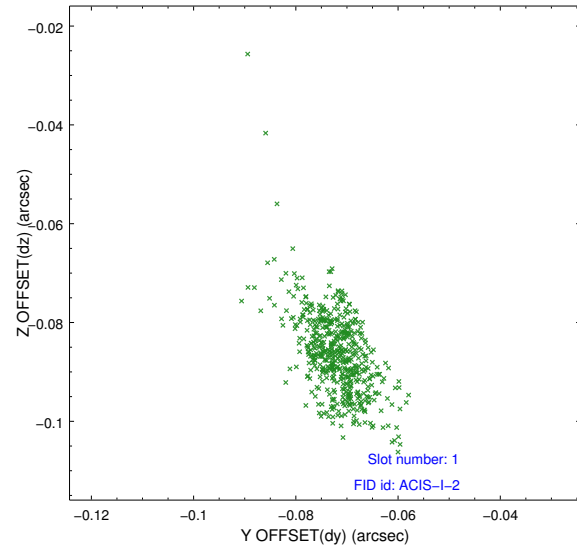


2.5 FID Slots

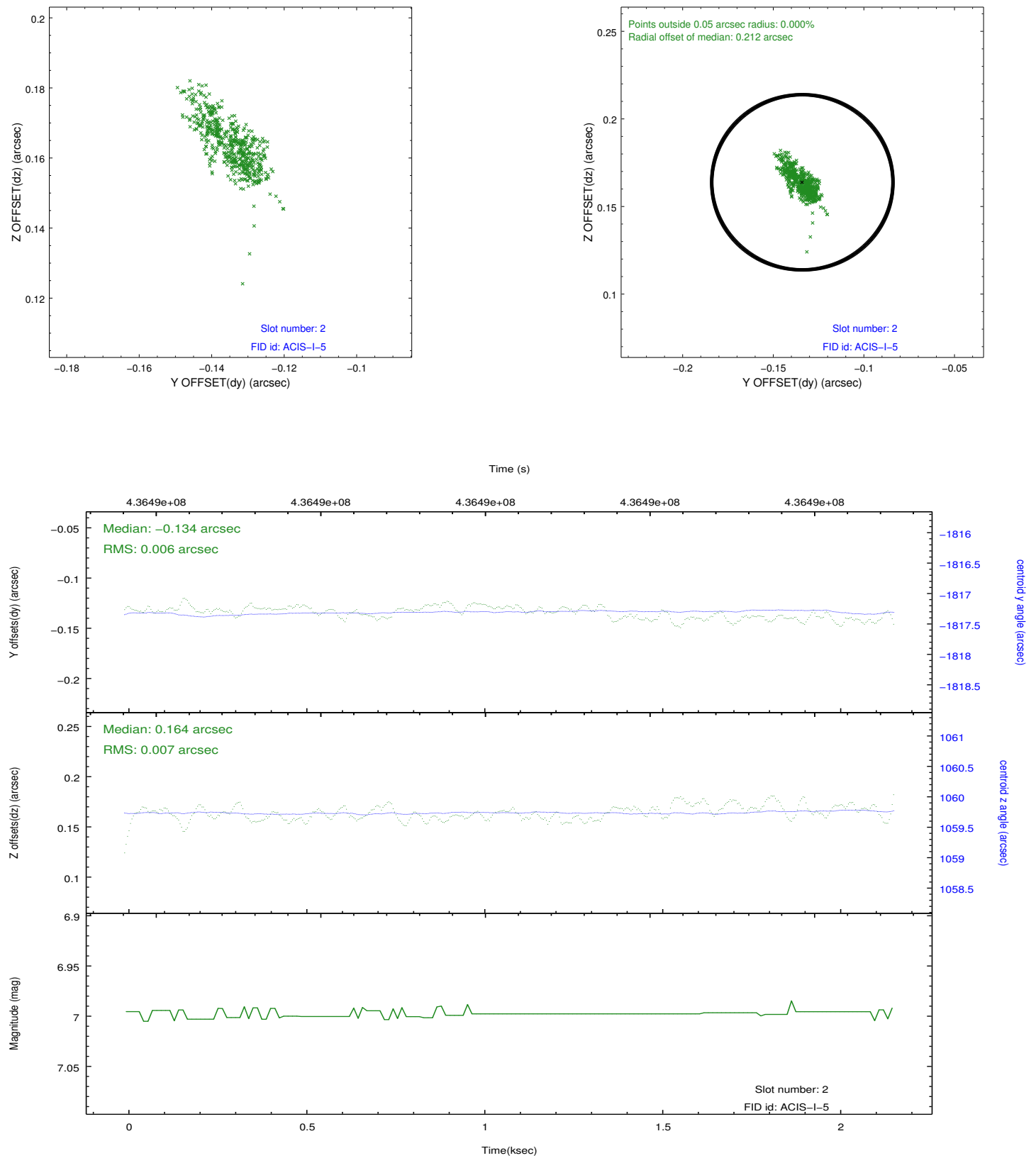
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.0677000159025

A.2 Comments