

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8714 - L2 Version 2
Chandra X-Ray Center

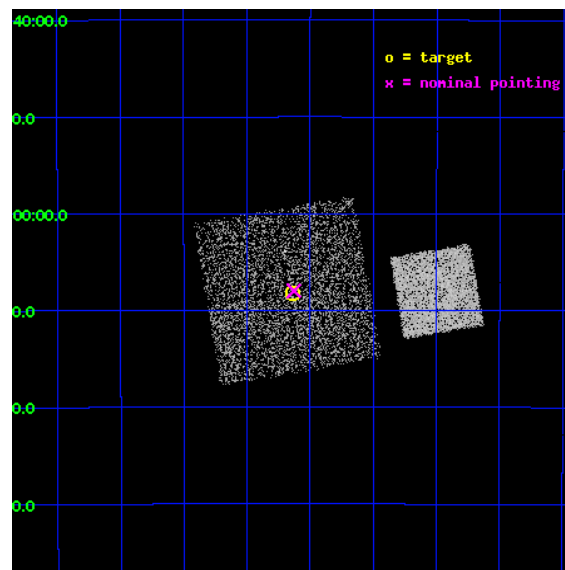
L2 Processing Date : May 14 2012

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1 Front

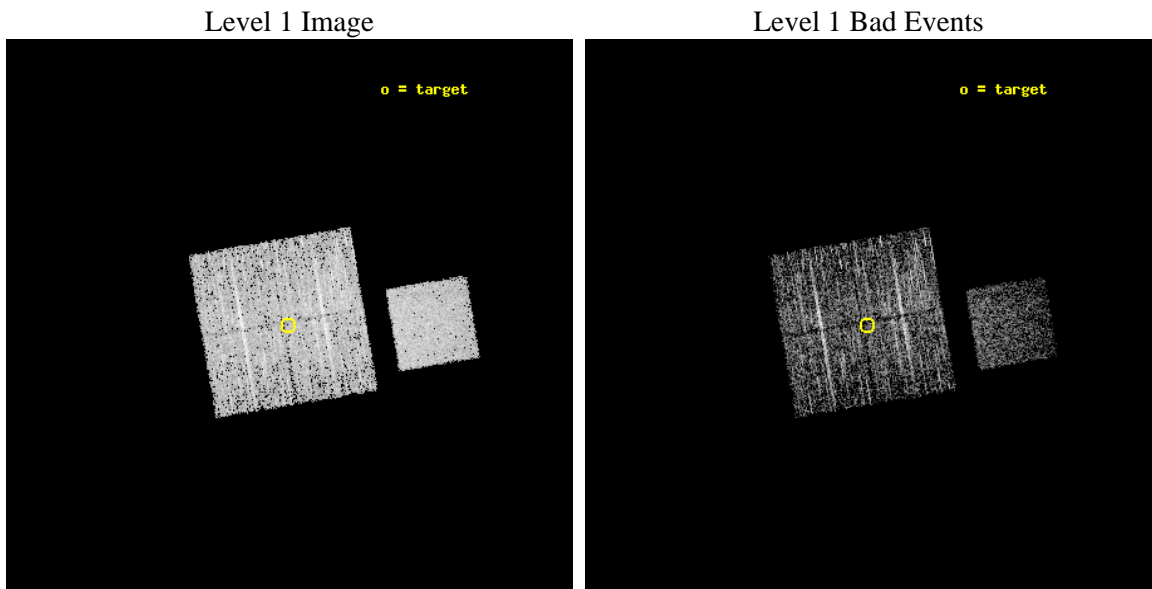
seq_num	400765	Sequence number
obs_id	8714	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.409044	Observer's specified target RA [deg]
dec_targ	-28.137873	Observer's specified target Dec [deg]
ra_nom	268.40715309842	Nominal RA [deg]
dec_nom	-28.132991479784	Nominal Dec [deg]
roll_nom	80.20772683612	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
ontime7	2188.6000168324	Sum of GTIs [s]
l2events	15906	Number of level 2 events



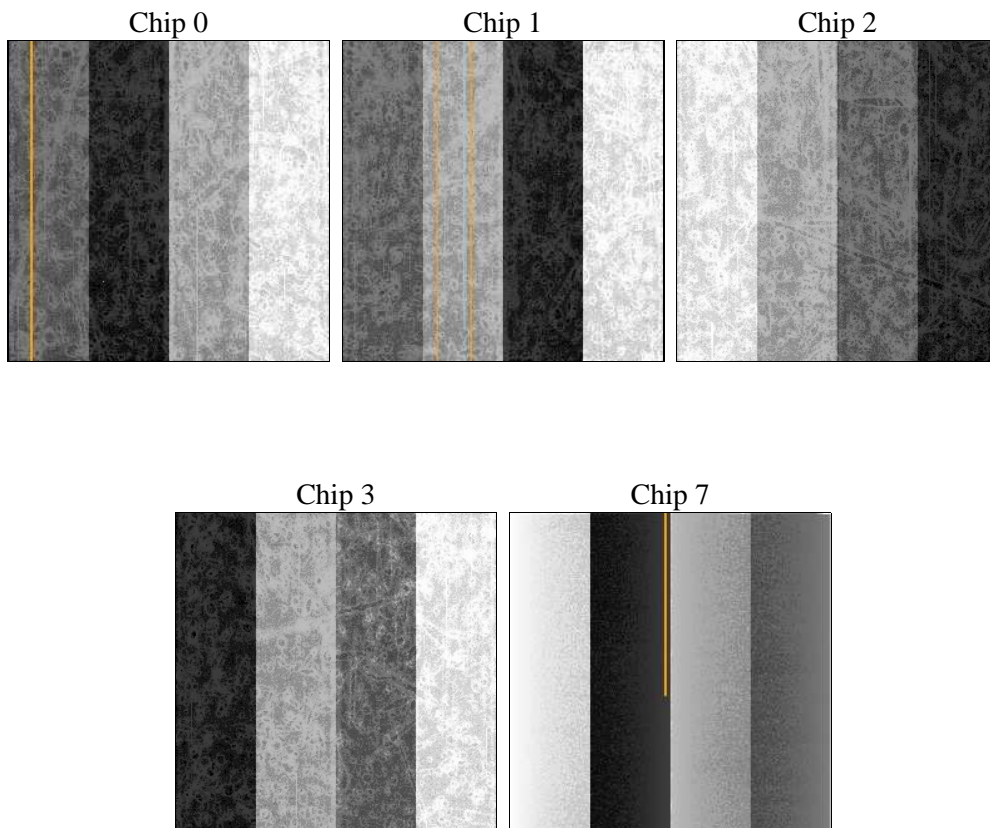
2 OBI

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	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-05-14T23:20:17	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			ontime7	2188.6000168324	Sum of GTIs [s]
			l1events	103217	Number of level 1 events

2.1.4 Events

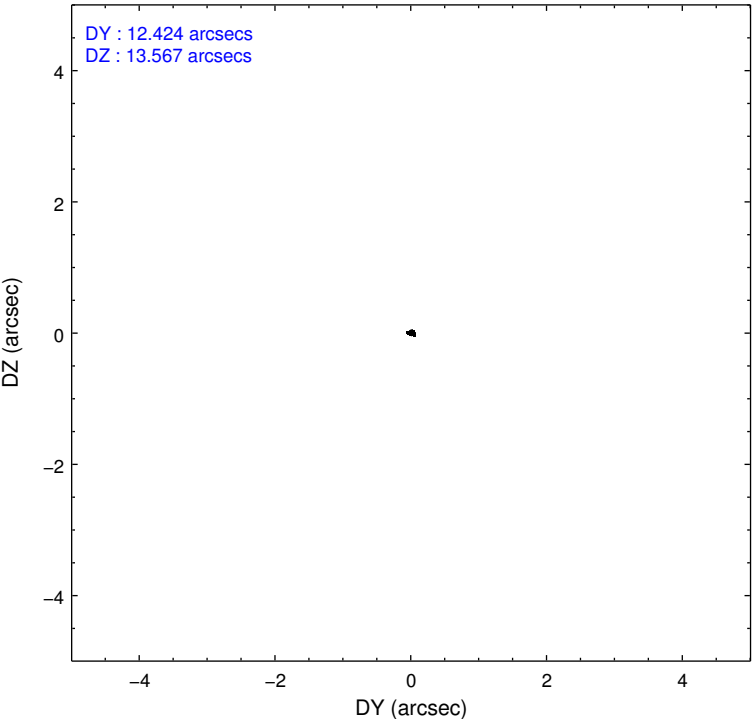
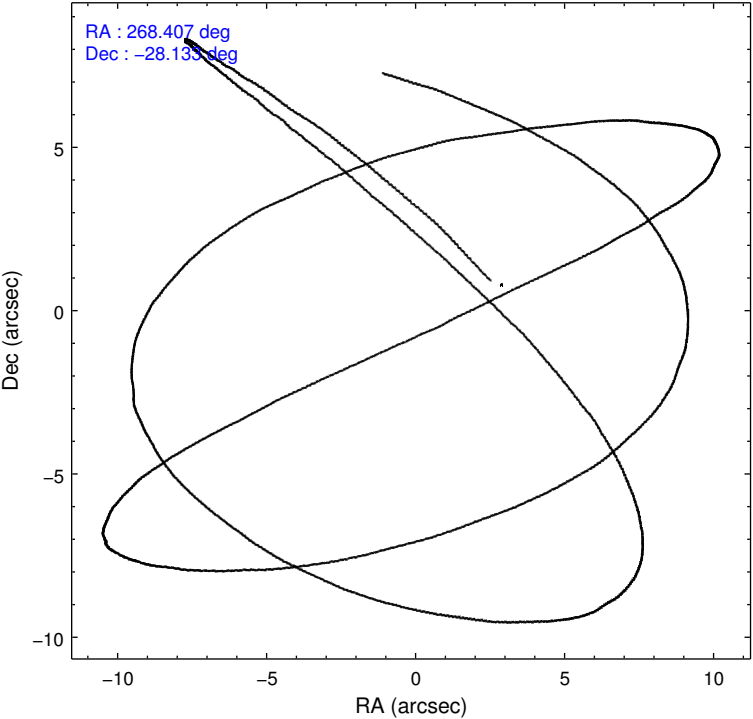
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19639	18932	22708	19379	22559
rejected events	17659	16656	20635	17356	13435
rejected %	89%	87%	90%	89%	59%

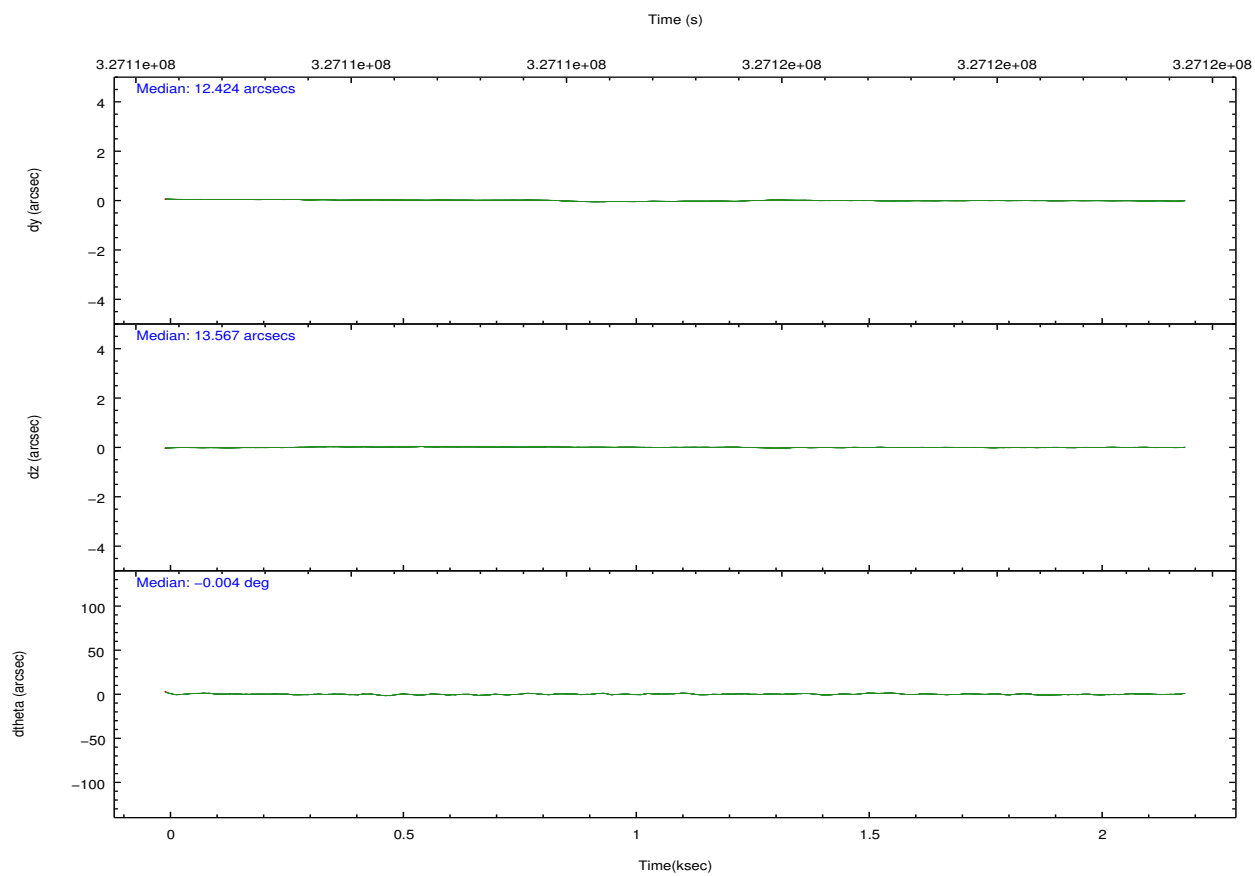
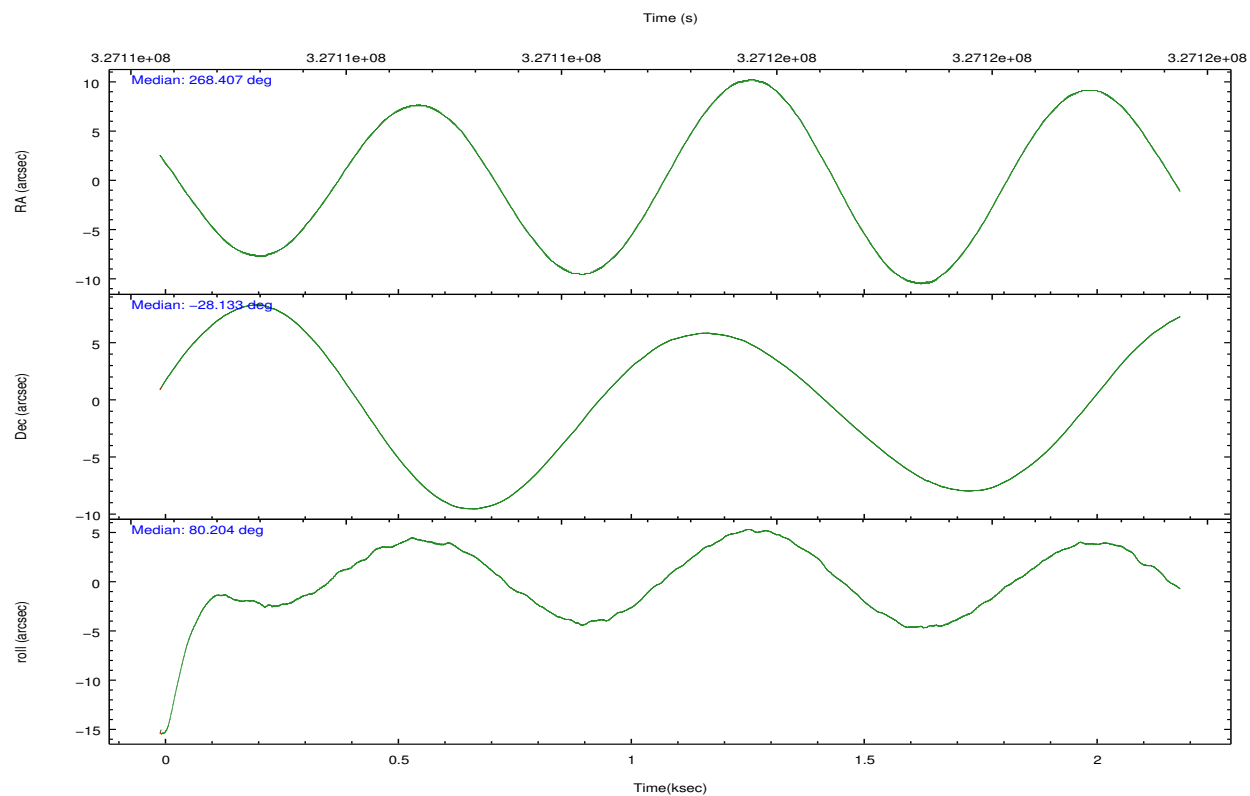
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	906	1117	986	1011	999
	4%	5%	4%	5%	4%
grade 1 events	13	15	19	11	33
	0%	0%	0%	0%	0%
grade 2 events	542	512	514	431	2126
	2%	2%	2%	2%	9%
grade 3 events	230	234	246	245	959
	1%	1%	1%	1%	4%
grade 4 events	207	261	235	249	998
	1%	1%	1%	1%	4%
grade 5 events	682	754	637	799	2407
	3%	3%	2%	4%	10%
grade 6 events	423	481	405	387	5354
	2%	2%	1%	1%	23%
grade 7 events	16636	15558	19666	16246	9683
	84%	82%	86%	83%	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	268.418083	268.4071530984228	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.158907	-28.13299147978384	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004267	80.20772683611951	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)	327113842.184000	327113465.41566	CCD S5 on	N	N
Observation start date	2008-05-14T00:56:17	2008-05-14T00:51:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327115842.184000	327115975.64078	On-chip summing requested	N	N
Observation end date	2008-05-14T01:29:37	2008-05-14T01:32:55	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



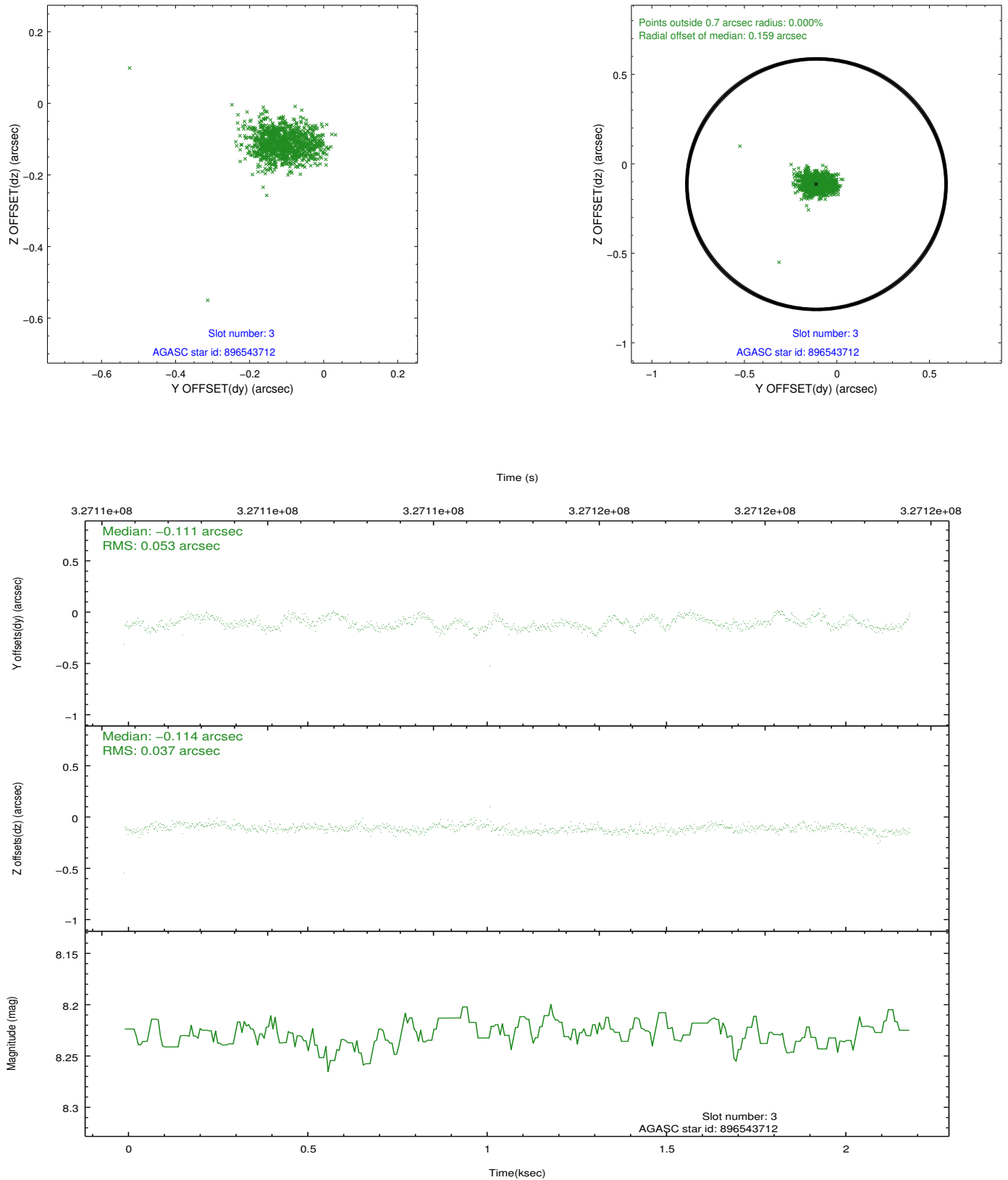


Slot Statistics

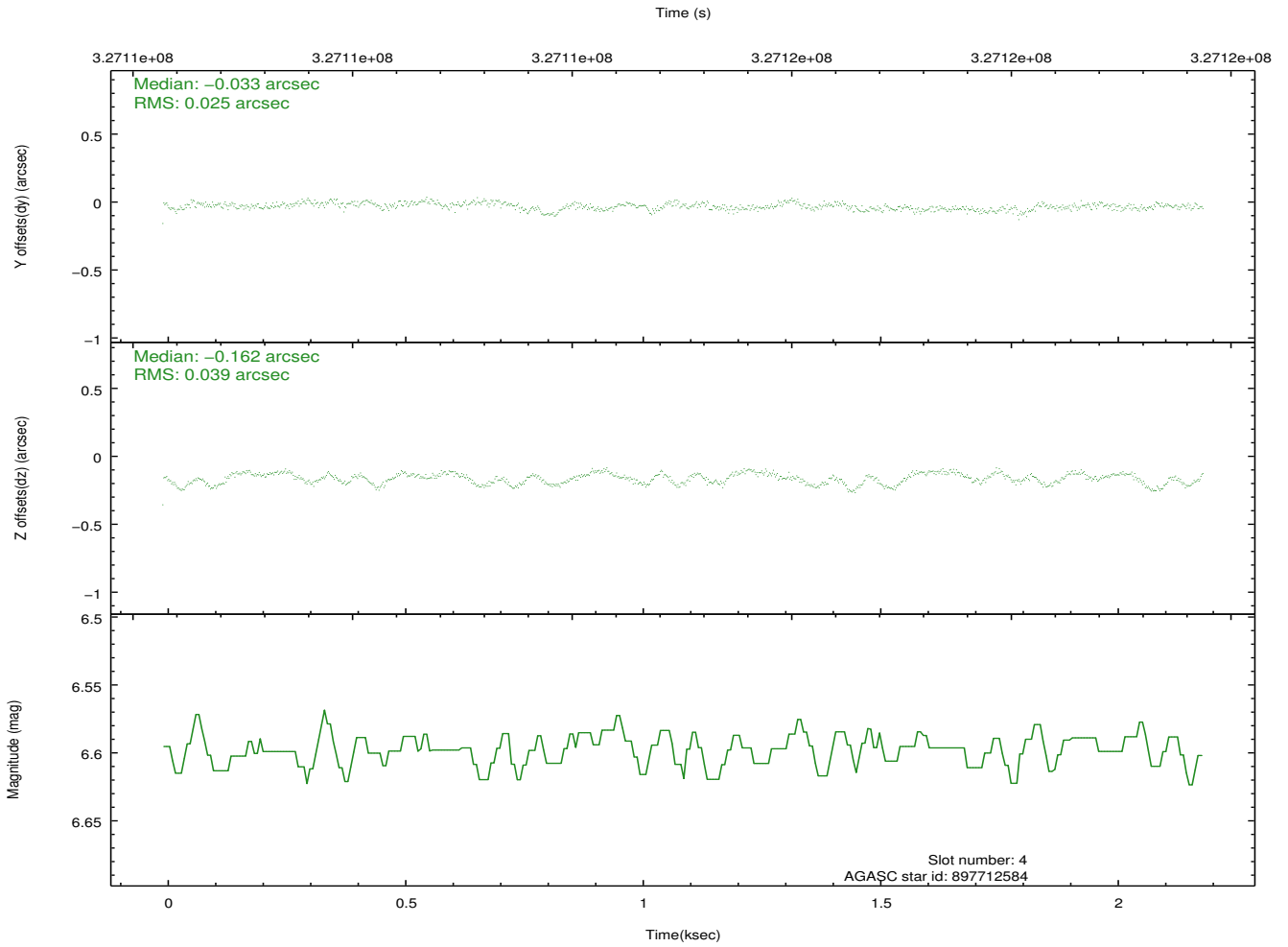
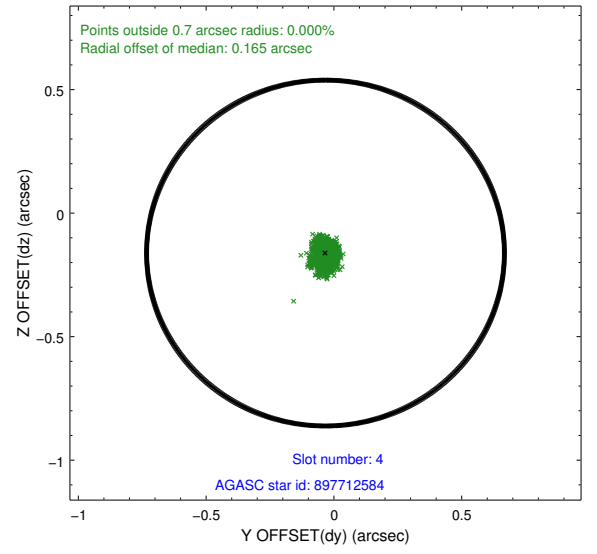
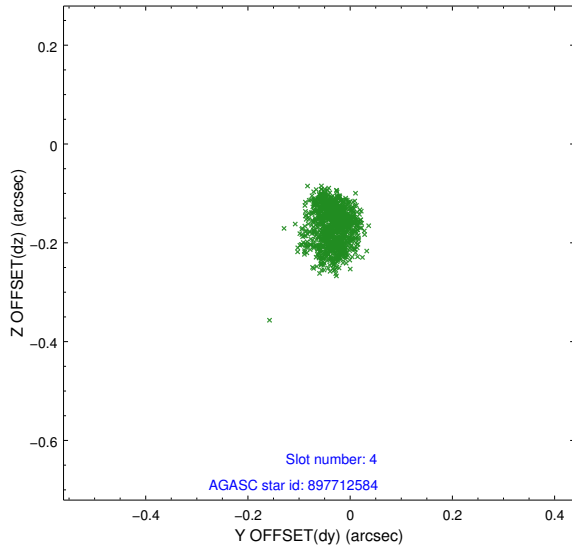
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	535	0.020	0.027	0.006	0.011	0.000000	0.000000	927.16	-837.07
1	FID	ACIS-I-2	6.97	535	-0.038	-0.062	0.009	0.015	0.000000	0.000000	-765.34	-845.15
2	FID	ACIS-I-5	7.04	535	-0.074	0.107	0.006	0.012	0.000000	0.000000	-1822.64	1058.89
3	GUIDE	896543712	8.23	1069	-0.111	-0.114	0.064	0.106	267.764551	-28.659720	-2140.17	1718.96
4	GUIDE	897712584	6.60	1069	-0.033	-0.162	0.049	0.076	268.003029	-28.022394	250.21	1385.28
5	GUIDE	897720600	8.24	1069	0.146	-0.086	0.062	0.104	268.319864	-27.628963	1824.04	641.01
6	GUIDE	898238128	7.71	1069	0.164	0.234	0.066	0.105	268.450740	-28.688500	-1858.31	-431.88
7	GUIDE	897712808	8.72	1067	-0.173	0.131	0.068	0.116	268.777505	-27.542029	2381.95	-744.89

2.4 Star Slots

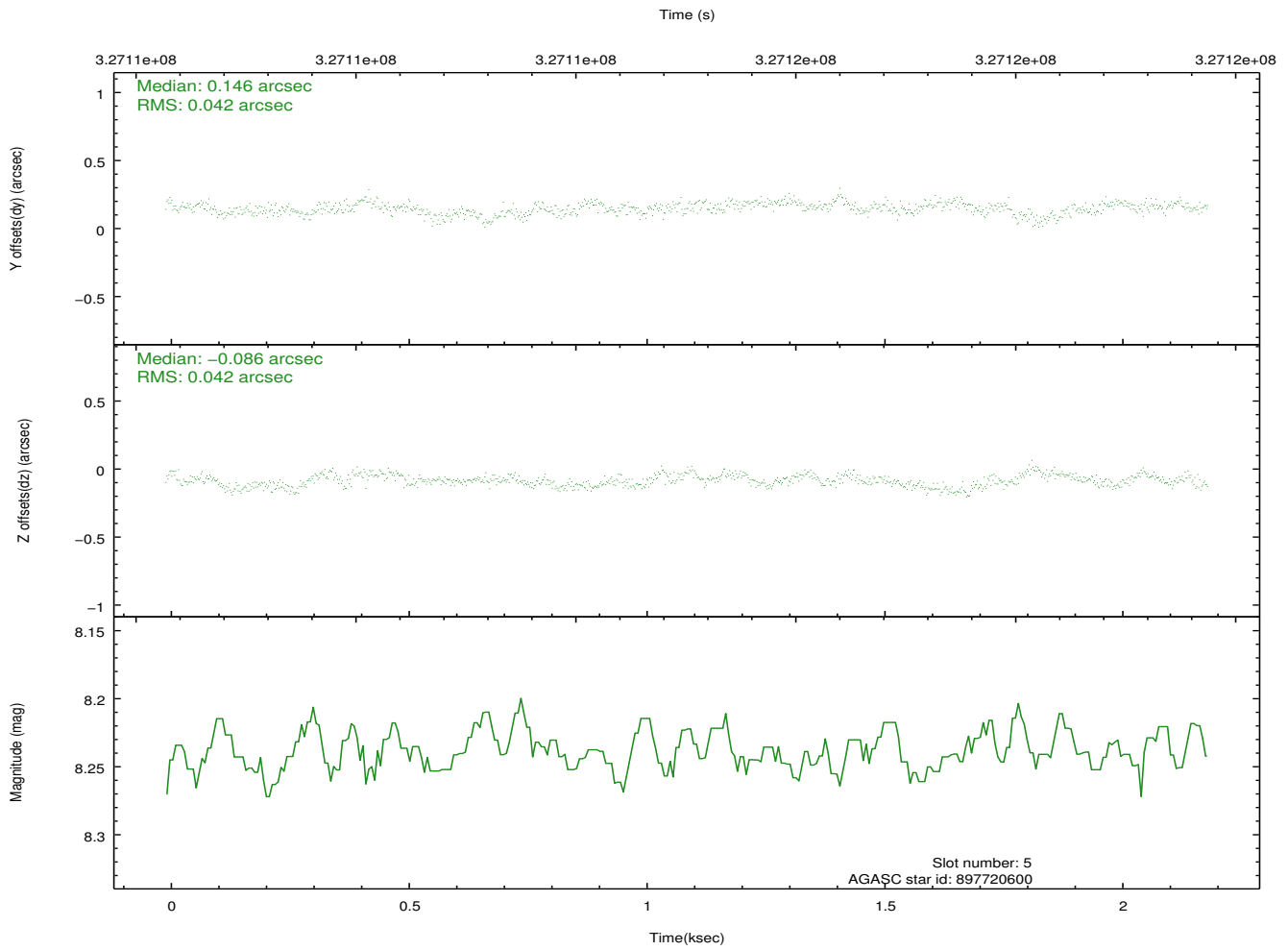
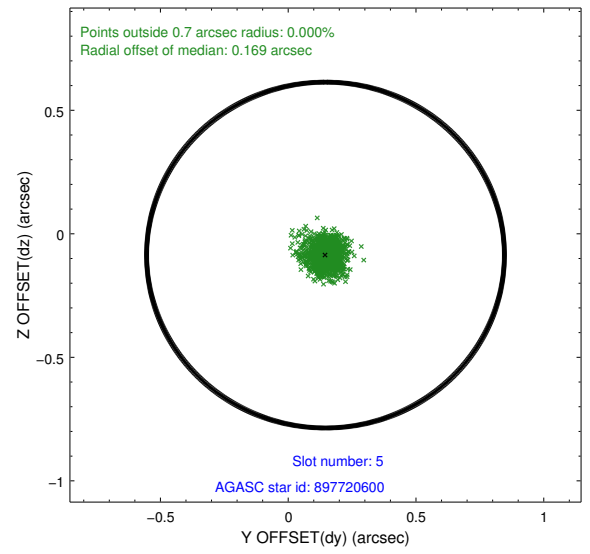
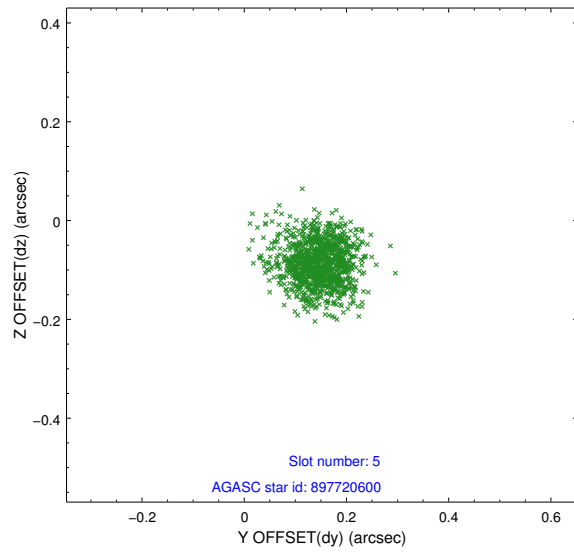
2.4.1 Slot 3



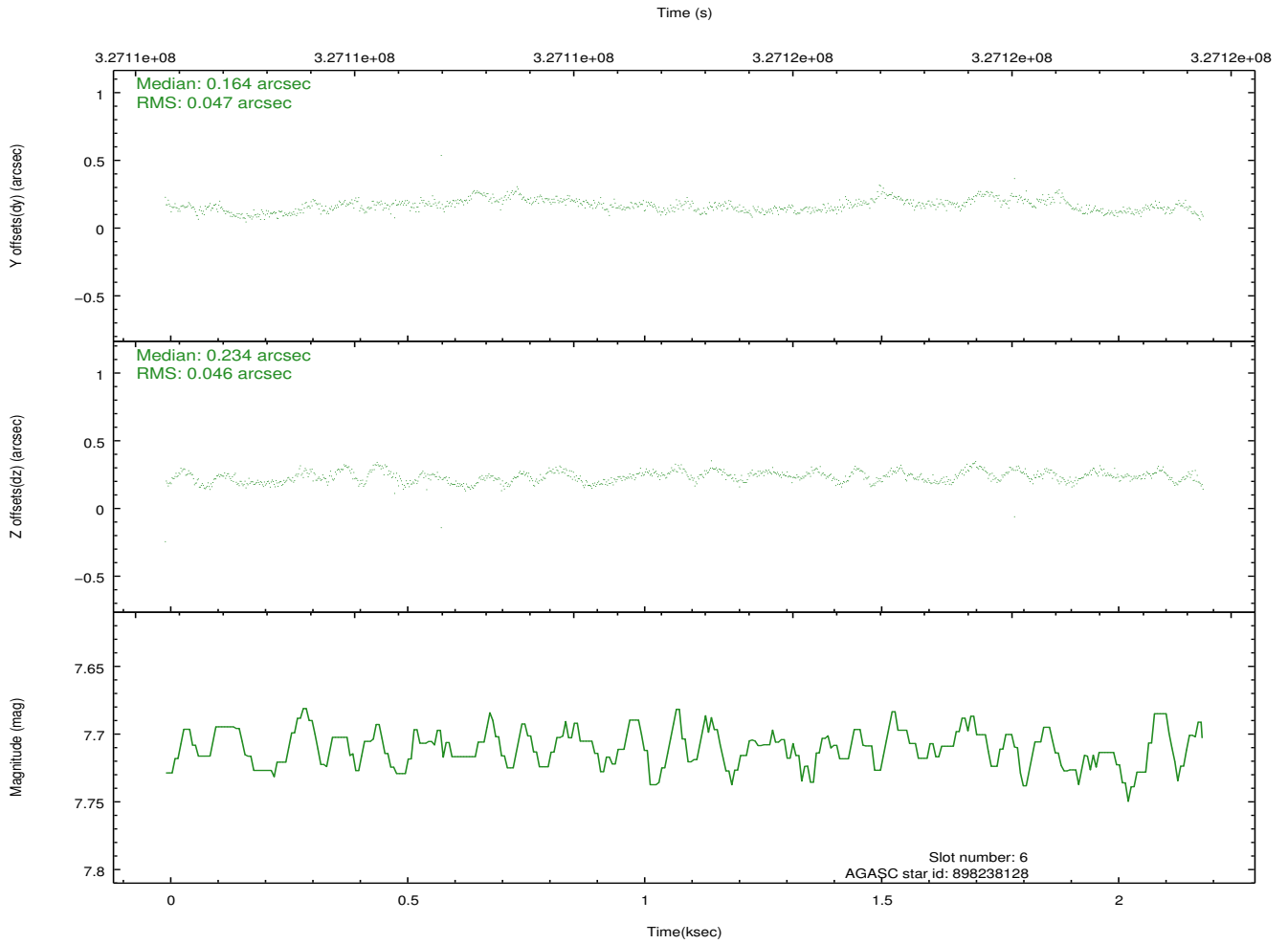
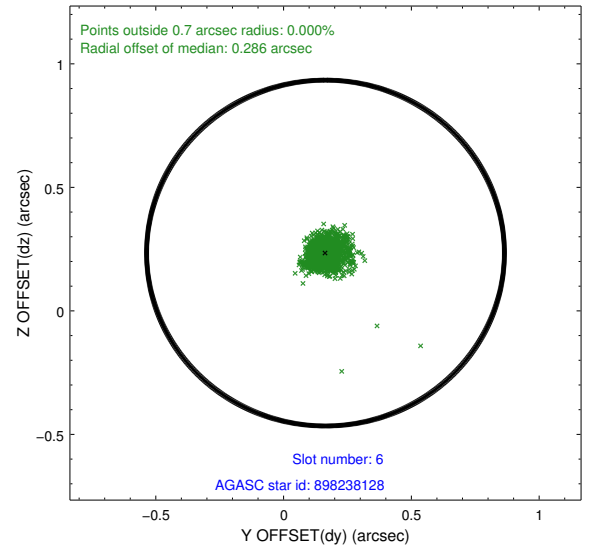
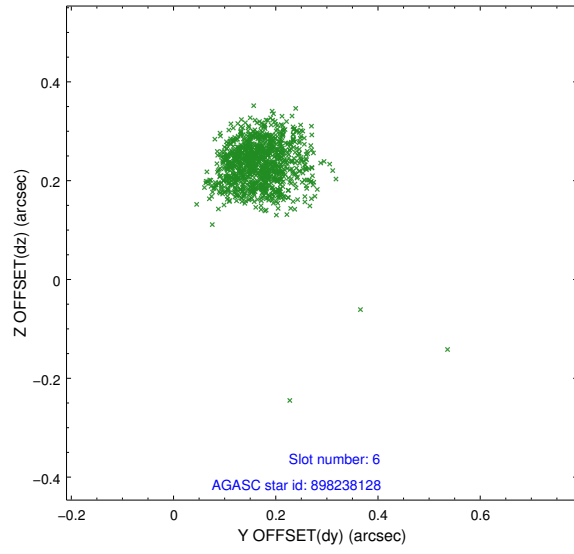
2.4.2 Slot 4



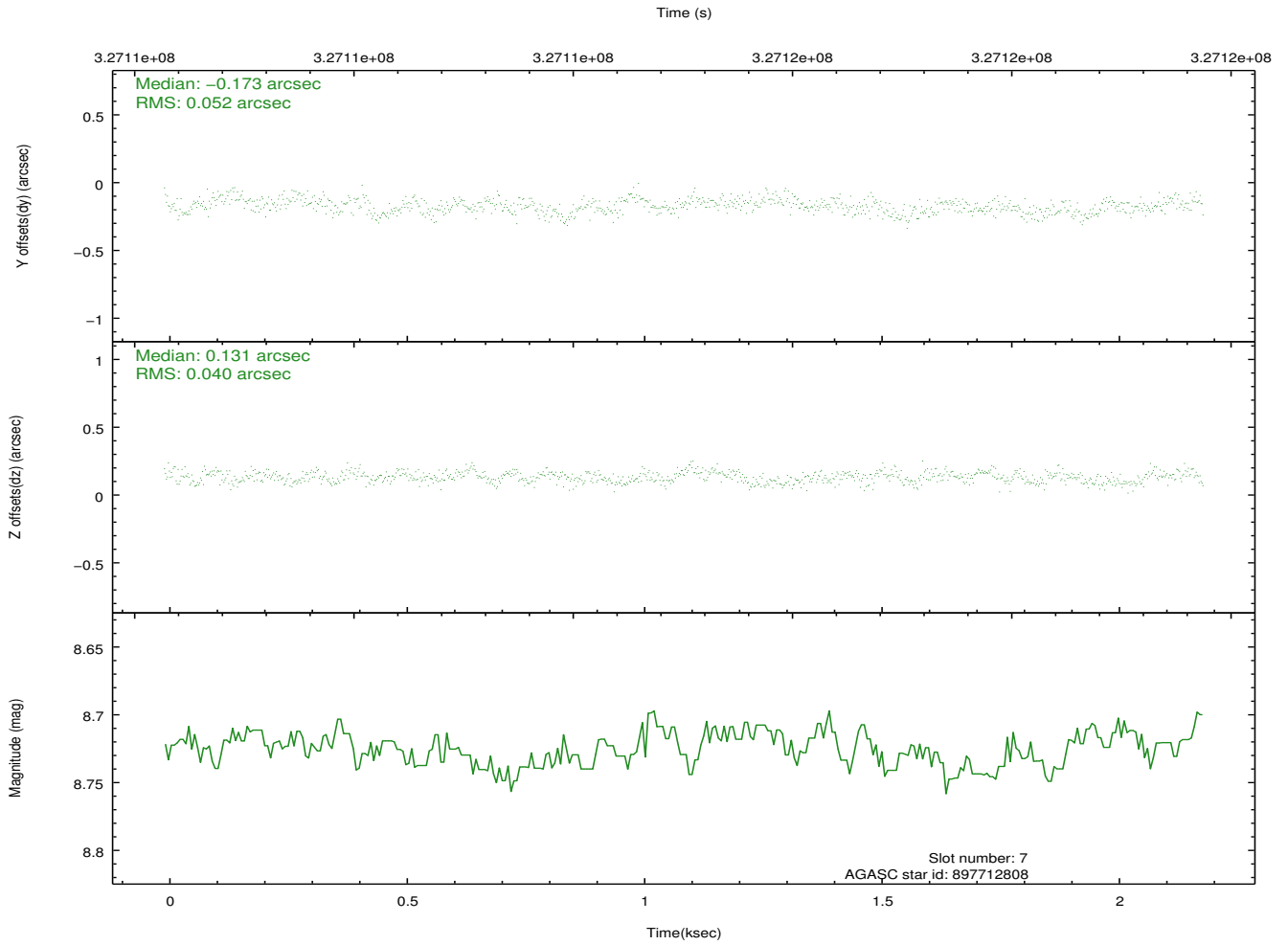
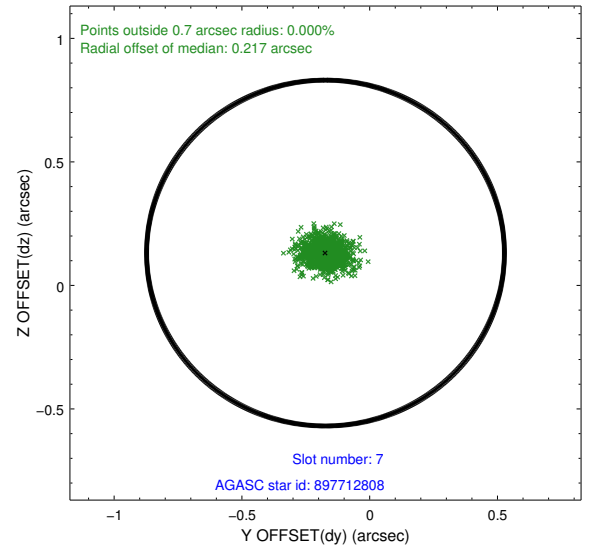
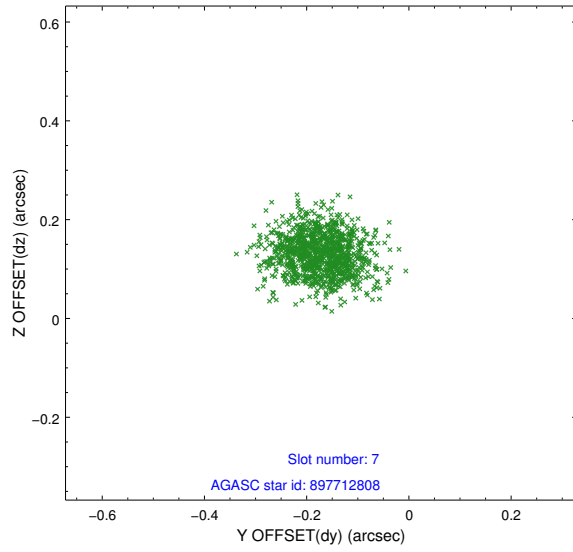
2.4.3 Slot 5



2.4.4 Slot 6

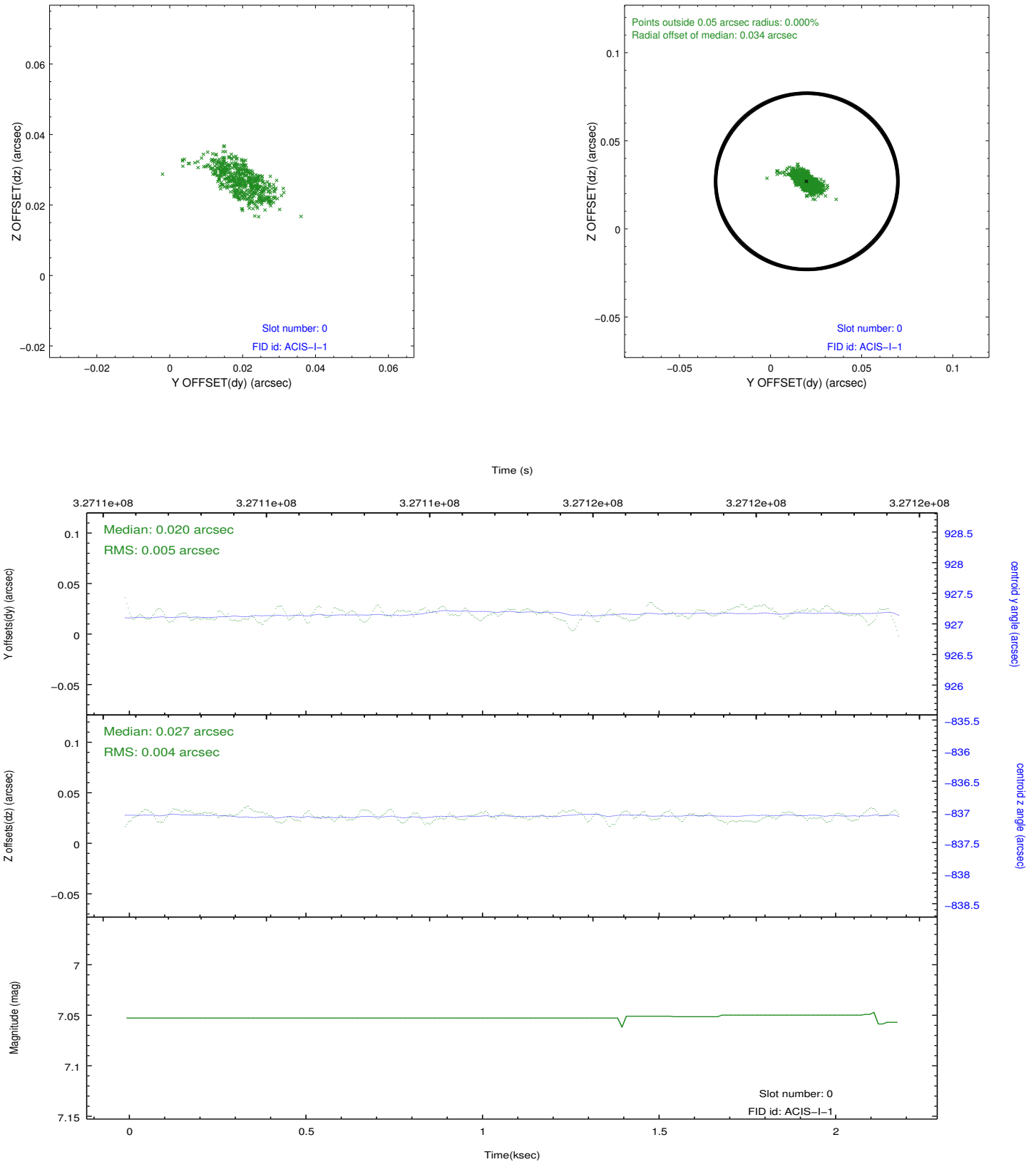


2.4.5 Slot 7

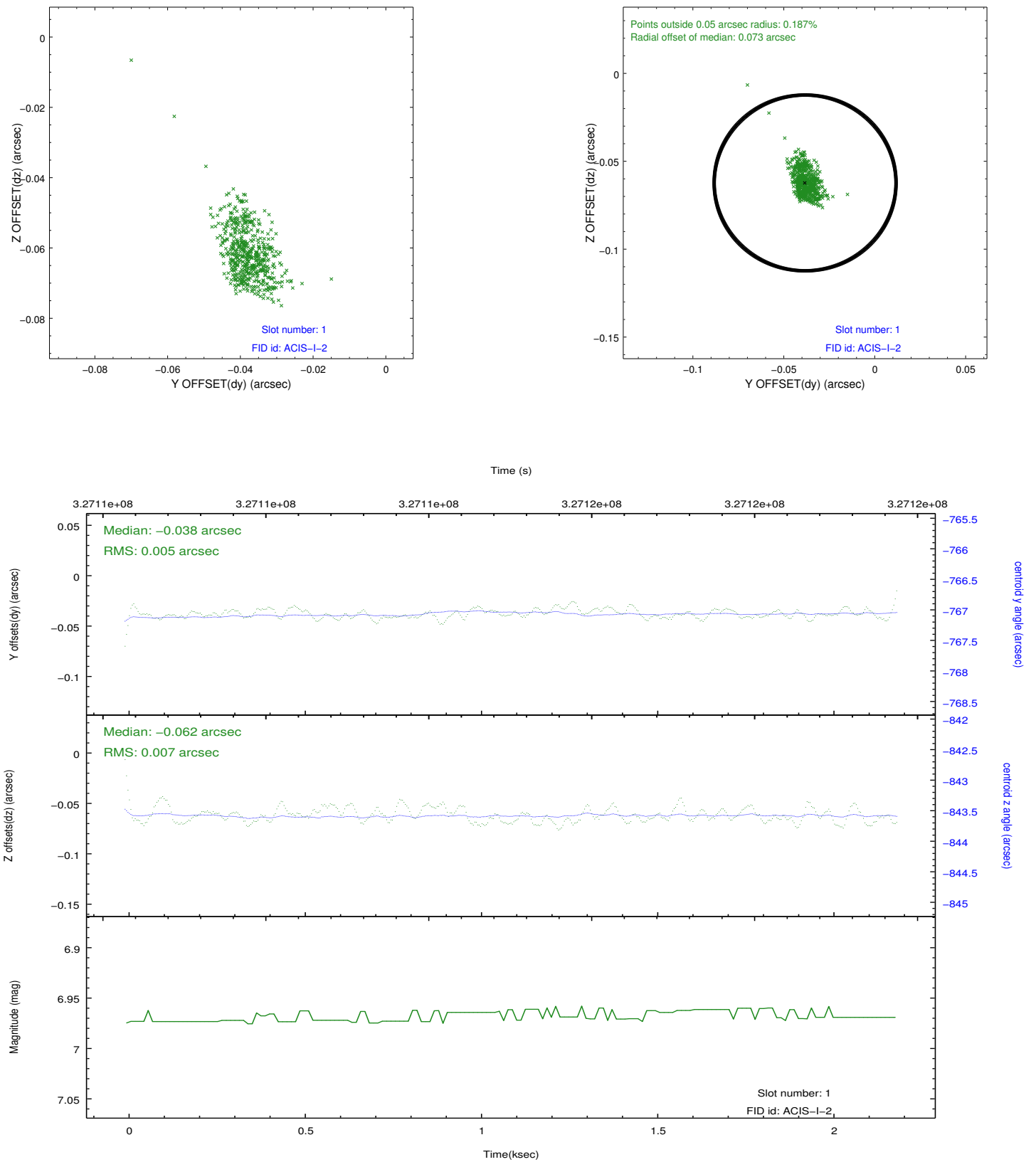


2.5 FID Slots

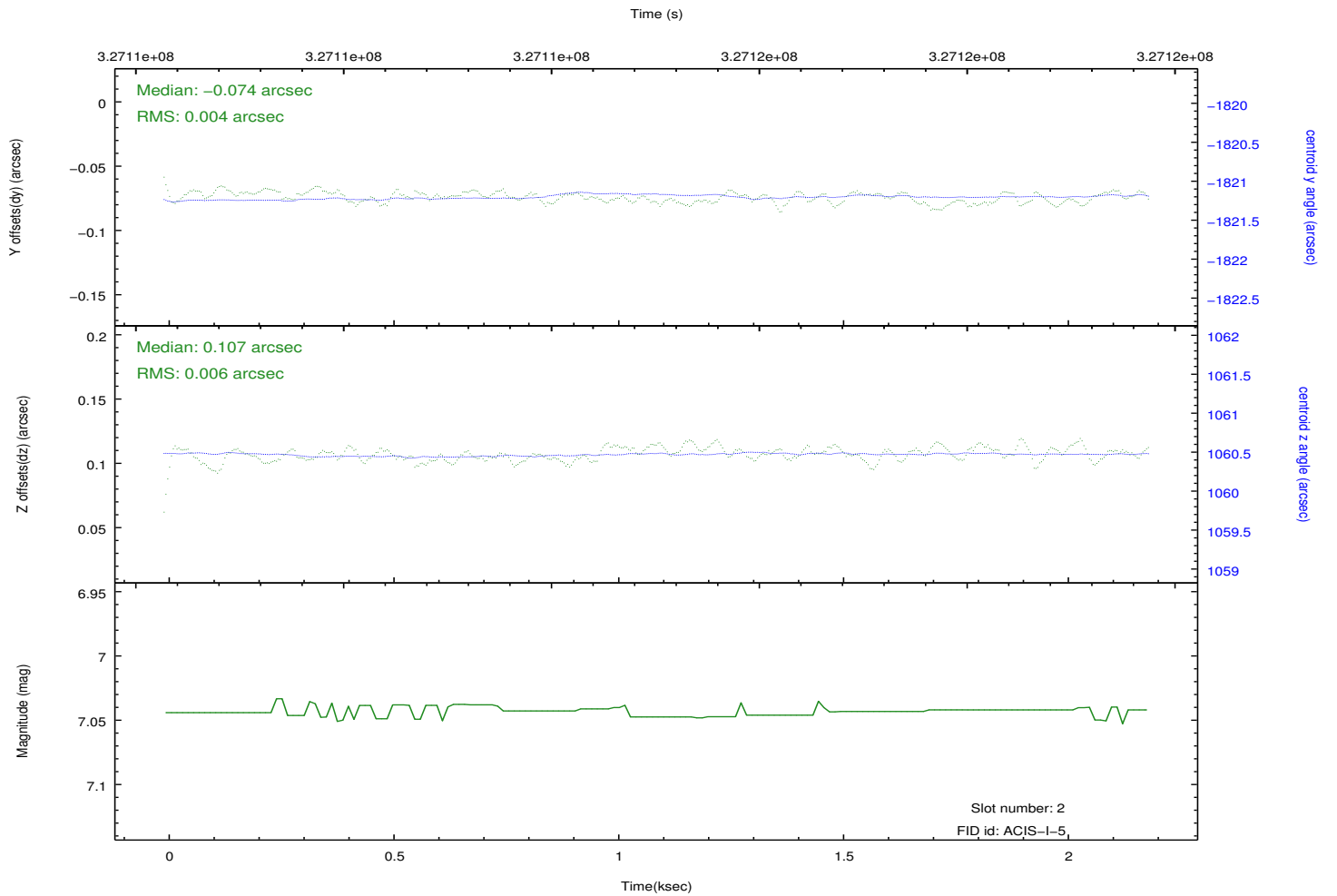
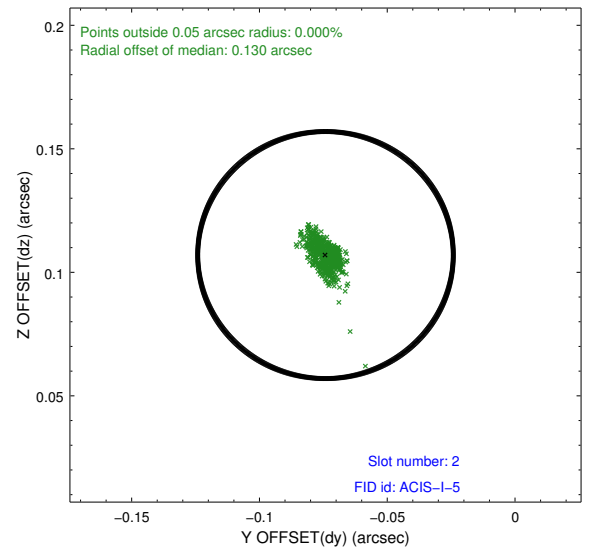
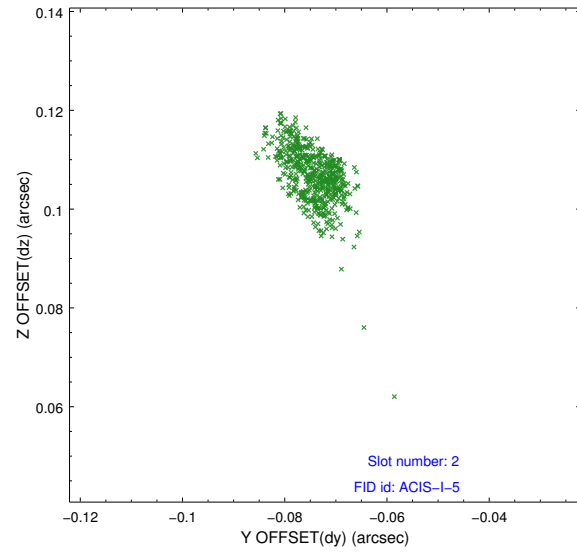
2.5.1 Slot 0



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)	2012.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18860001

A.2 Comments

Joint proposal with NOAO.