

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8732 - L2 Version 2
Chandra X-Ray Center

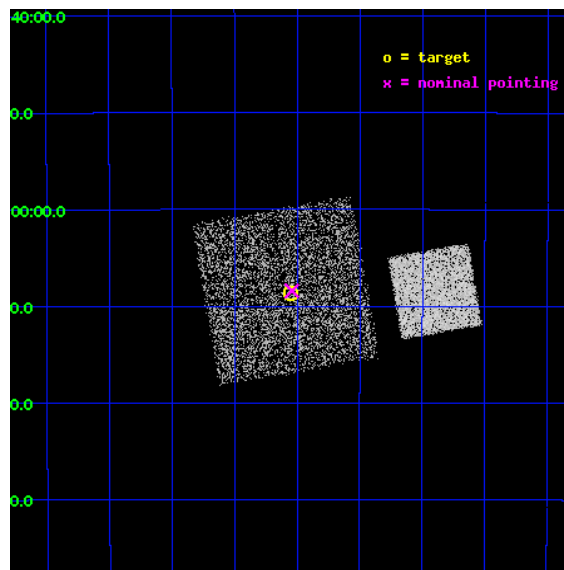
L2 Processing Date : May 14 2012

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1 Front

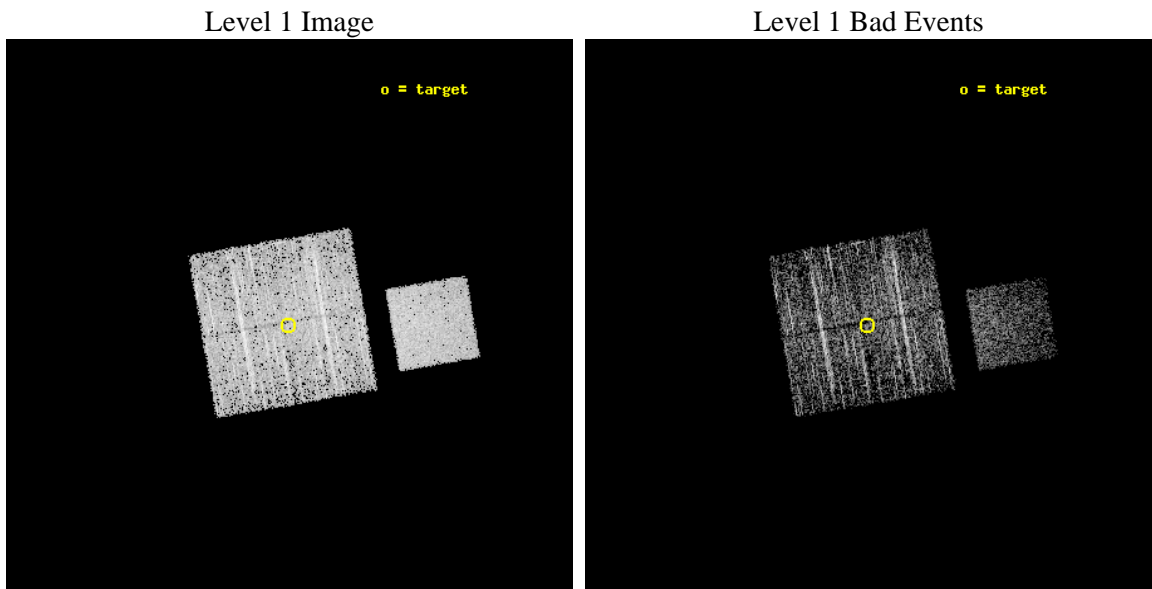
seq_num	400783	Sequence number
obs_id	8732	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.262458	Observer's specified target RA [deg]
dec_targ	-29.144904	Observer's specified target Dec [deg]
ra_nom	268.26042119564	Nominal RA [deg]
dec_nom	-29.140317734711	Nominal Dec [deg]
roll_nom	80.207704503846	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	2179.2590363622	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	17221	Number of level 2 events



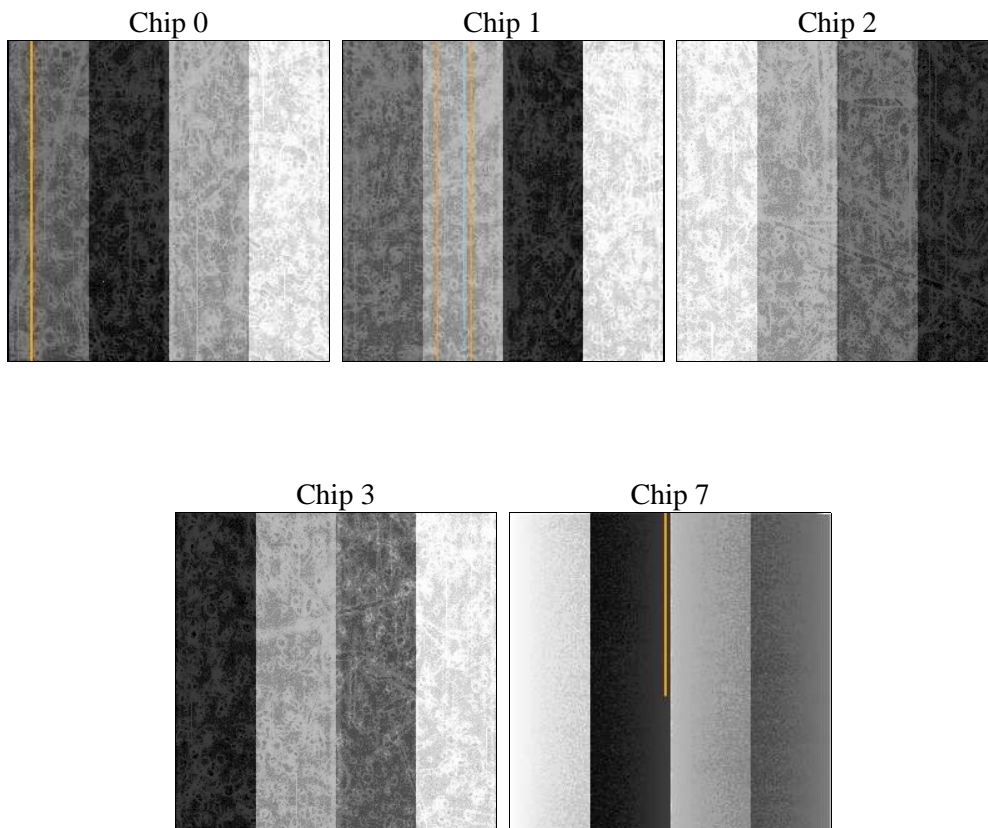
2 OBI

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	2012-05-14T23:38:17	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.2590363622	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	104029	Number of level 1 events

2.1.4 Events

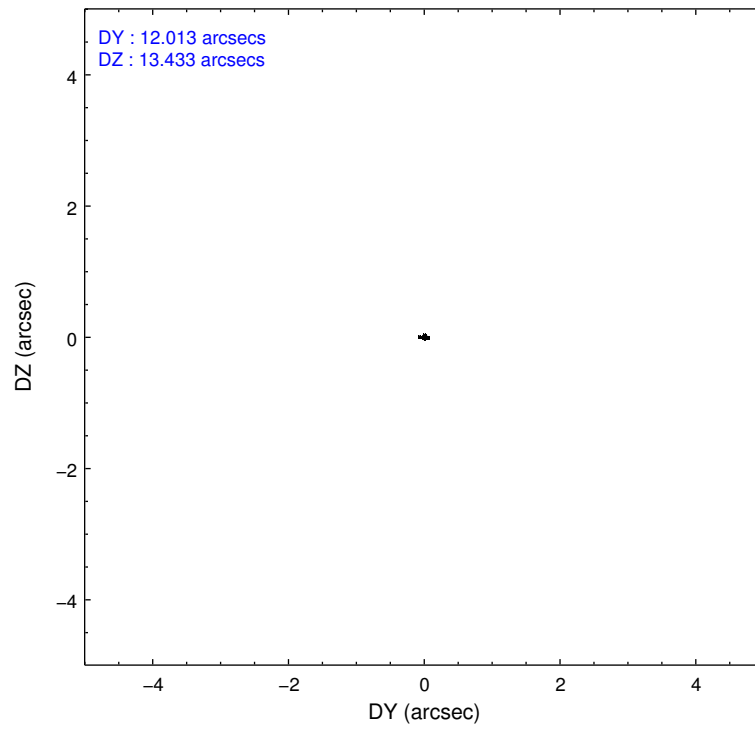
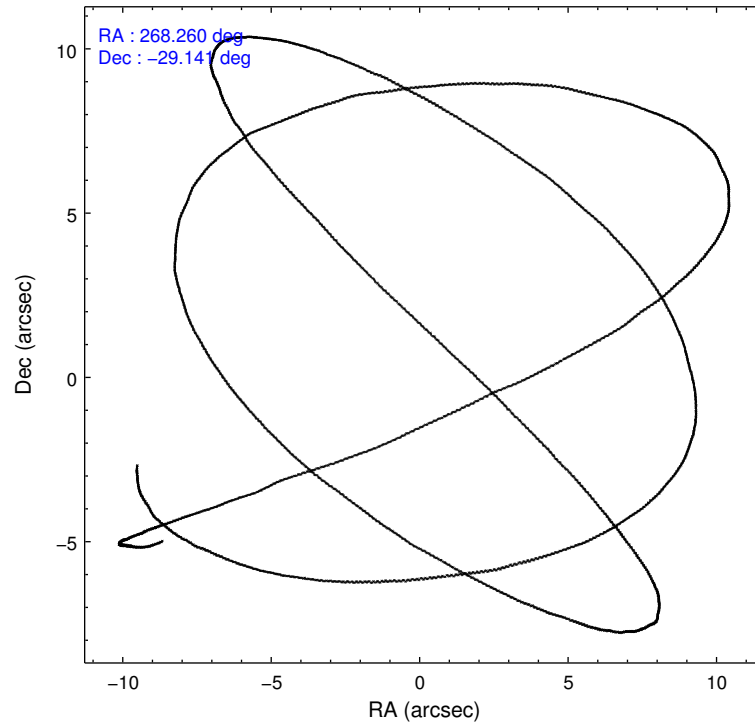
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	20190	19762	20763	19897	23417
rejected events	17874	17213	18517	17674	13821
rejected %	88%	87%	89%	88%	59%

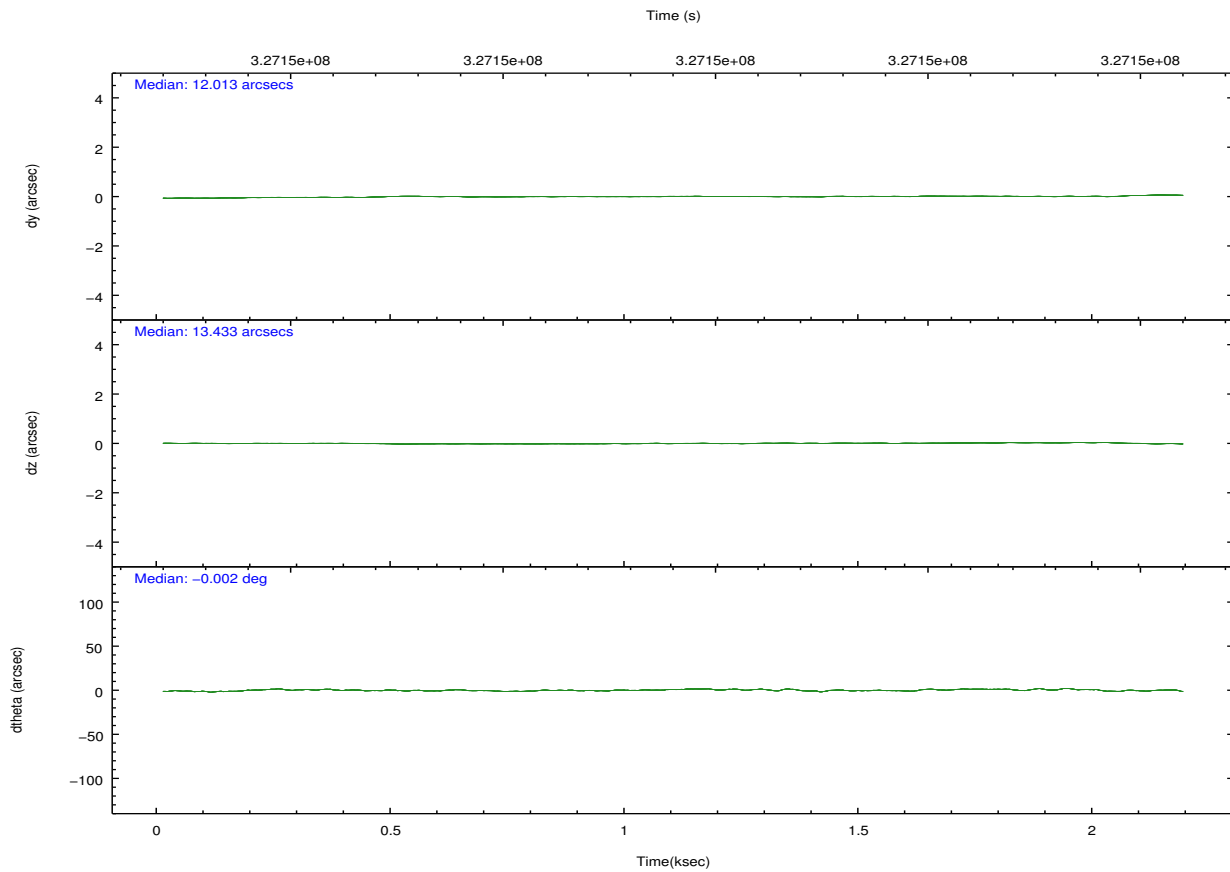
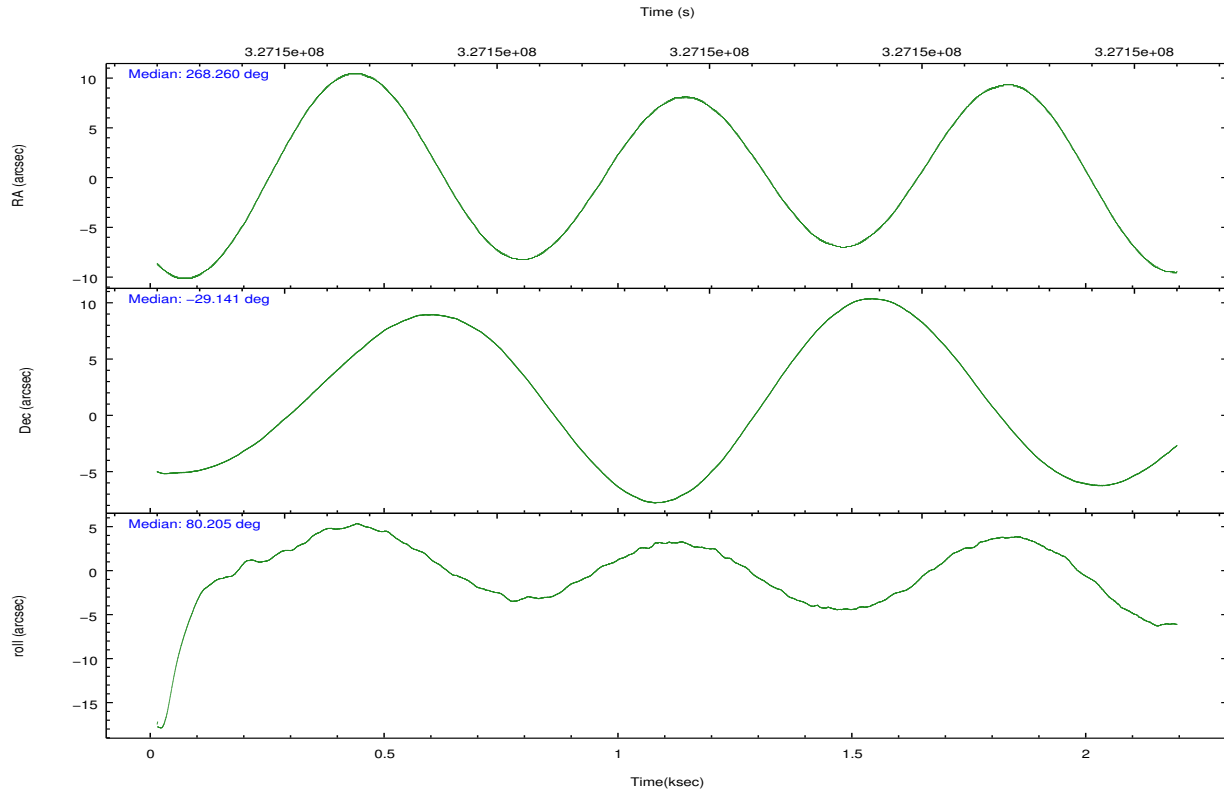
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1225	1333	1234	1117	1091
	6%	6%	5%	5%	4%
grade 1 events	7	16	5	12	26
	0%	0%	0%	0%	0%
grade 2 events	570	583	495	533	2344
	2%	2%	2%	2%	10%
grade 3 events	271	253	226	225	1054
	1%	1%	1%	1%	4%
grade 4 events	229	232	226	239	1042
	1%	1%	1%	1%	4%
grade 5 events	702	800	601	818	2434
	3%	4%	2%	4%	10%
grade 6 events	386	487	385	420	5498
	1%	2%	1%	2%	23%
grade 7 events	16800	16058	17591	16533	9928
	83%	81%	84%	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	268.271587	268.2604211956383	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.165933	-29.14031773471128	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004451	80.20770450384649	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)	327151492.184000	327151115.7175	CCD S5 on	N	N
Observation start date	2008-05-14T11:23:47	2008-05-14T11:18:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327153492.184000	327153625.94262	On-chip summing requested	N	N
Observation end date	2008-05-14T11:57:07	2008-05-14T12:00:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



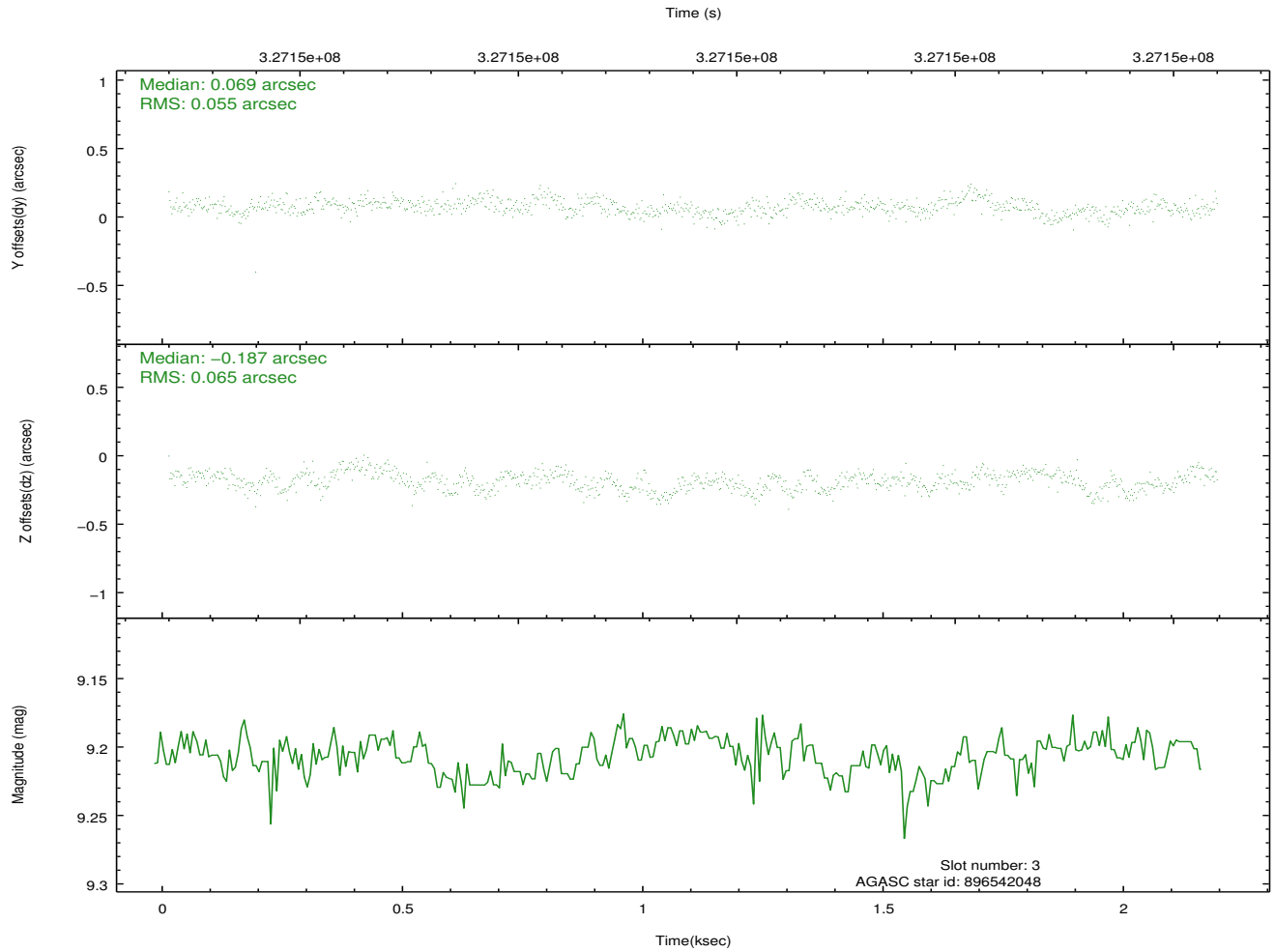
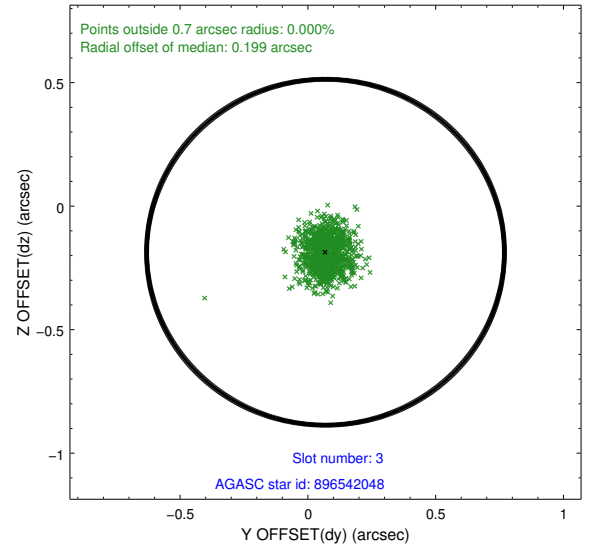
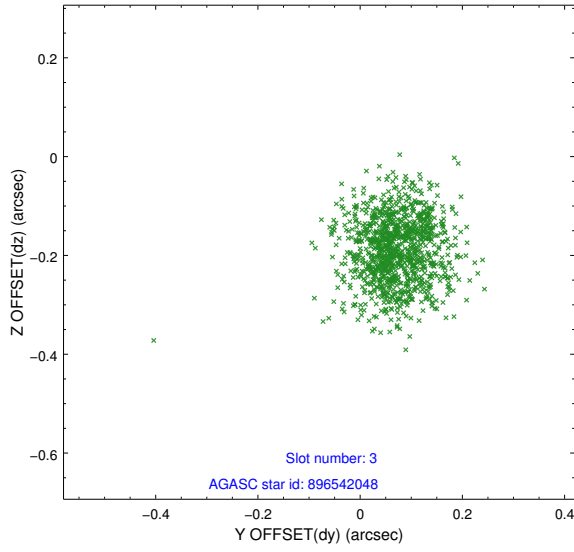


Slot Statistics

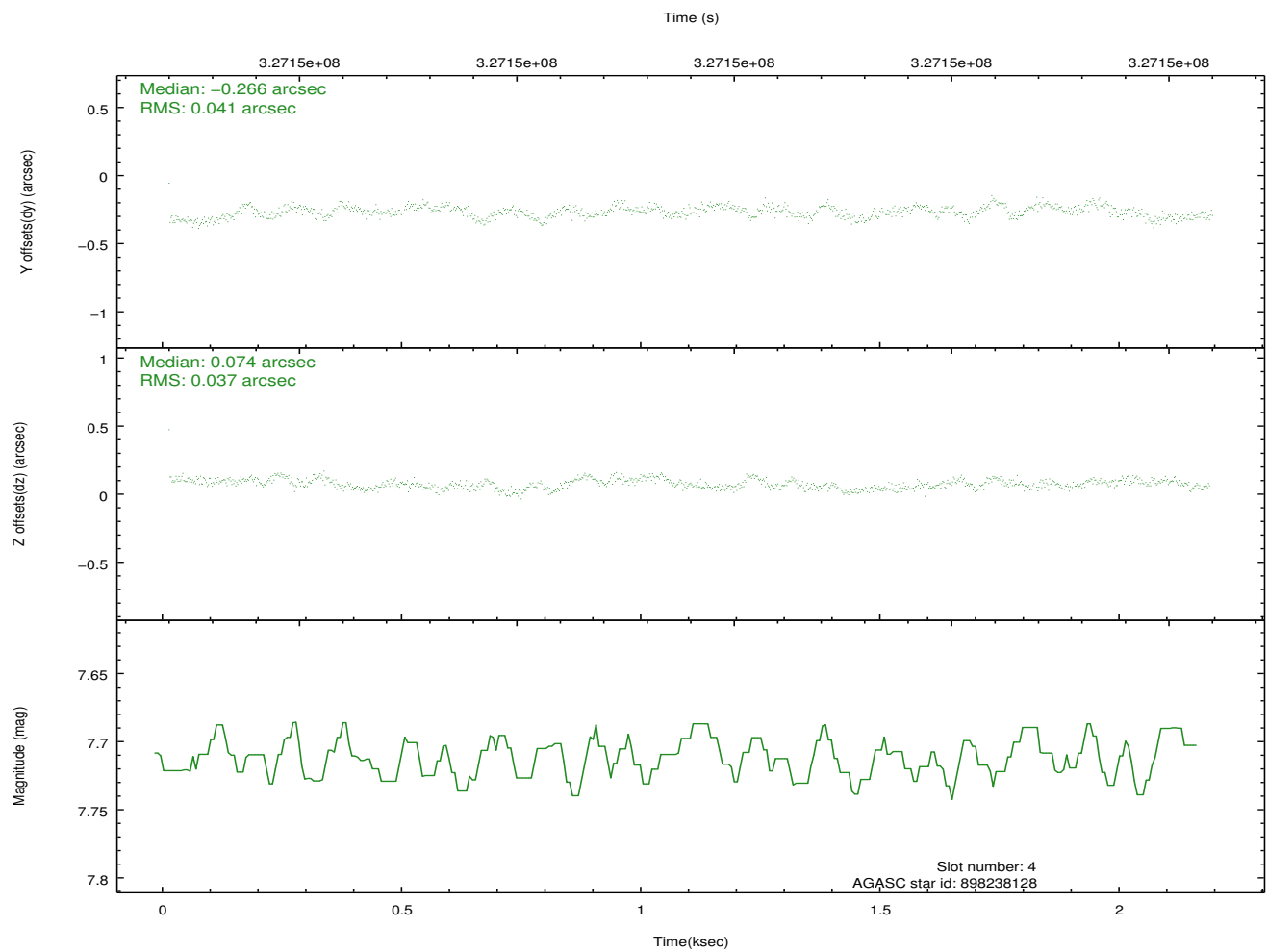
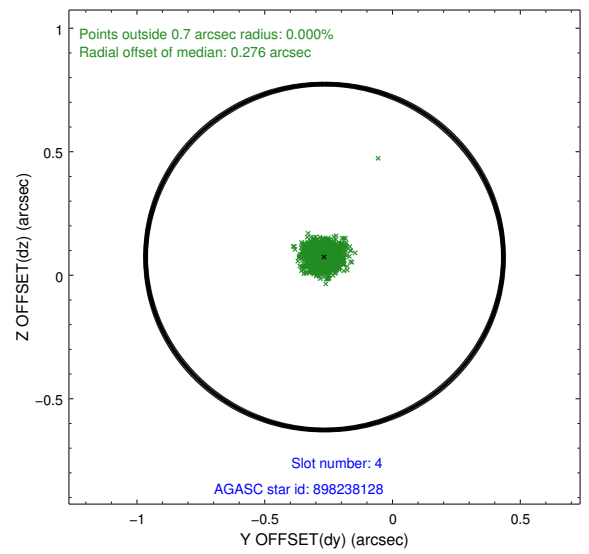
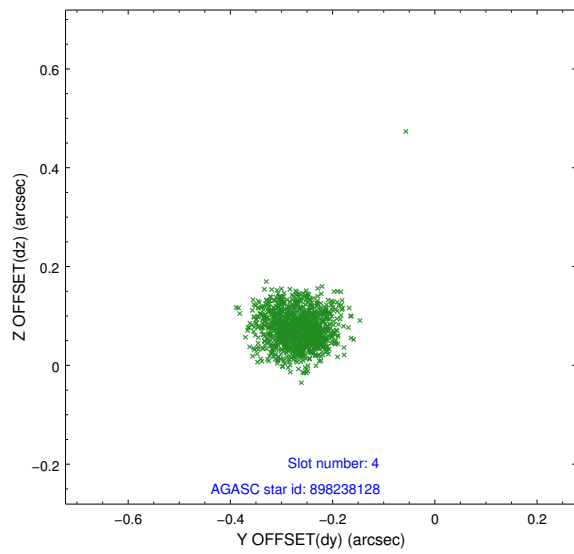
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	7.00	532	0.130	0.033	0.011	0.020	0.000000	0.000000	2147.63	1062.90
1	FID	ACIS-I-5	7.05	532	-0.216	0.030	0.008	0.012	0.000000	0.000000	-1816.83	1062.62
2	FID	ACIS-I-6	7.06	532	-0.013	0.005	0.011	0.019	0.000000	0.000000	389.83	1706.90
3	GUIDE	896542048	9.21	1063	0.069	-0.187	0.090	0.144	267.742937	-29.132026	-171.27	1657.15
4	GUIDE	898238128	7.71	1065	-0.266	0.074	0.058	0.090	268.450740	-28.688500	1790.81	-257.57
5	GUIDE	898243064	8.73	1065	0.090	0.178	0.079	0.126	268.852106	-29.678564	-1504.19	-2109.89
6	GUIDE	898243552	8.73	1065	0.234	0.063	0.071	0.117	267.970066	-28.622317	1760.28	1275.71
7	GUIDE	898250872	7.02	1064	-0.128	-0.131	0.048	0.078	268.026303	-29.632040	-1784.27	465.15

2.4 Star Slots

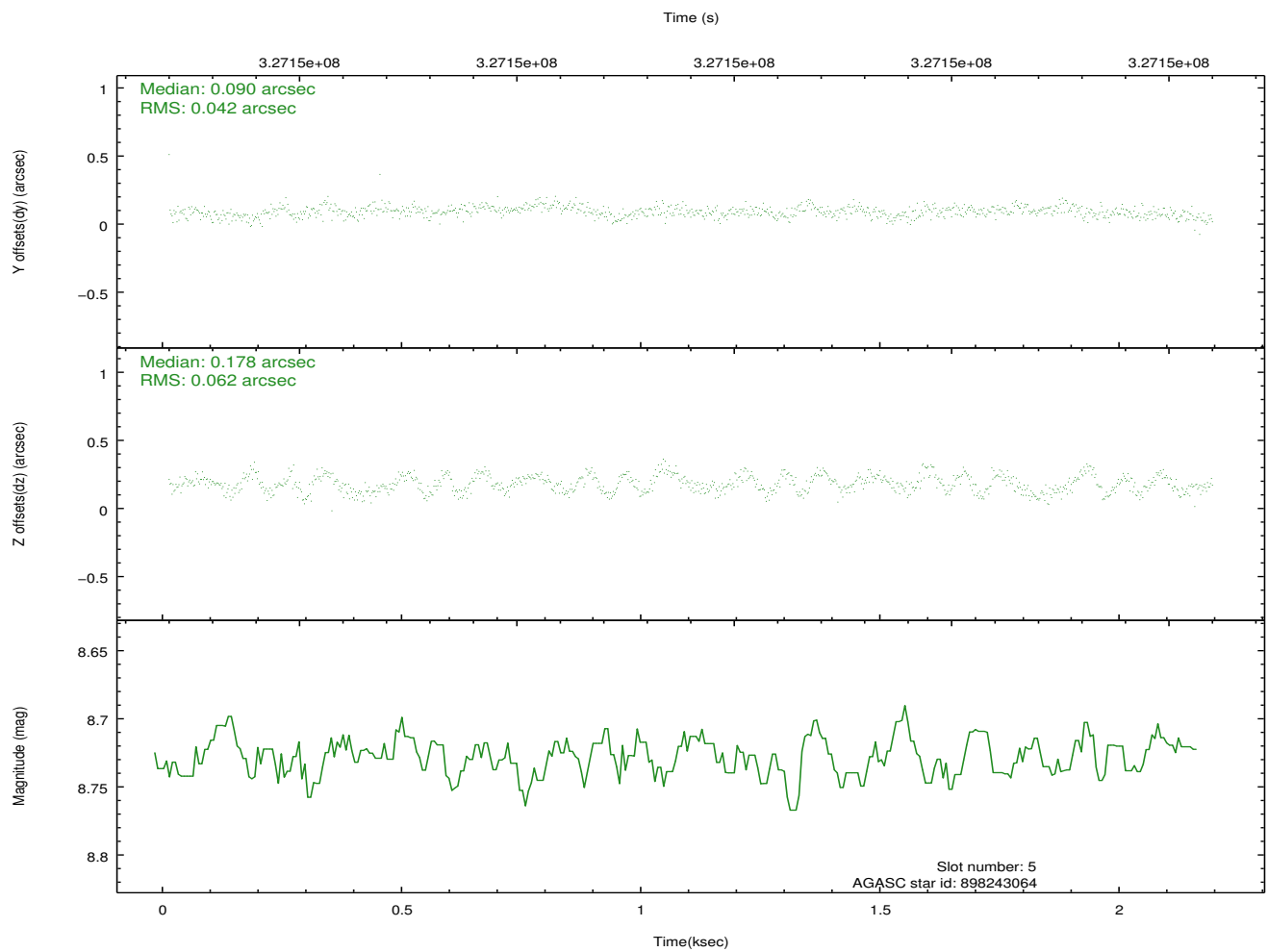
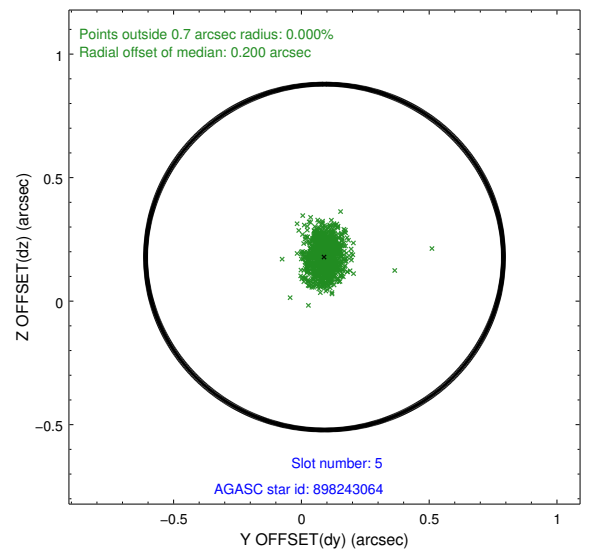
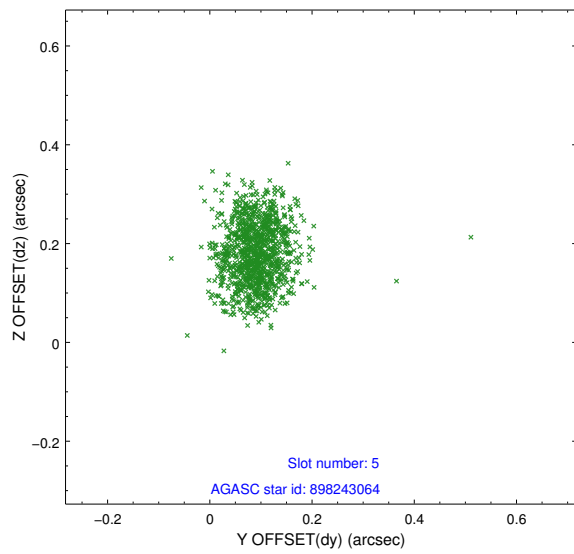
2.4.1 Slot 3



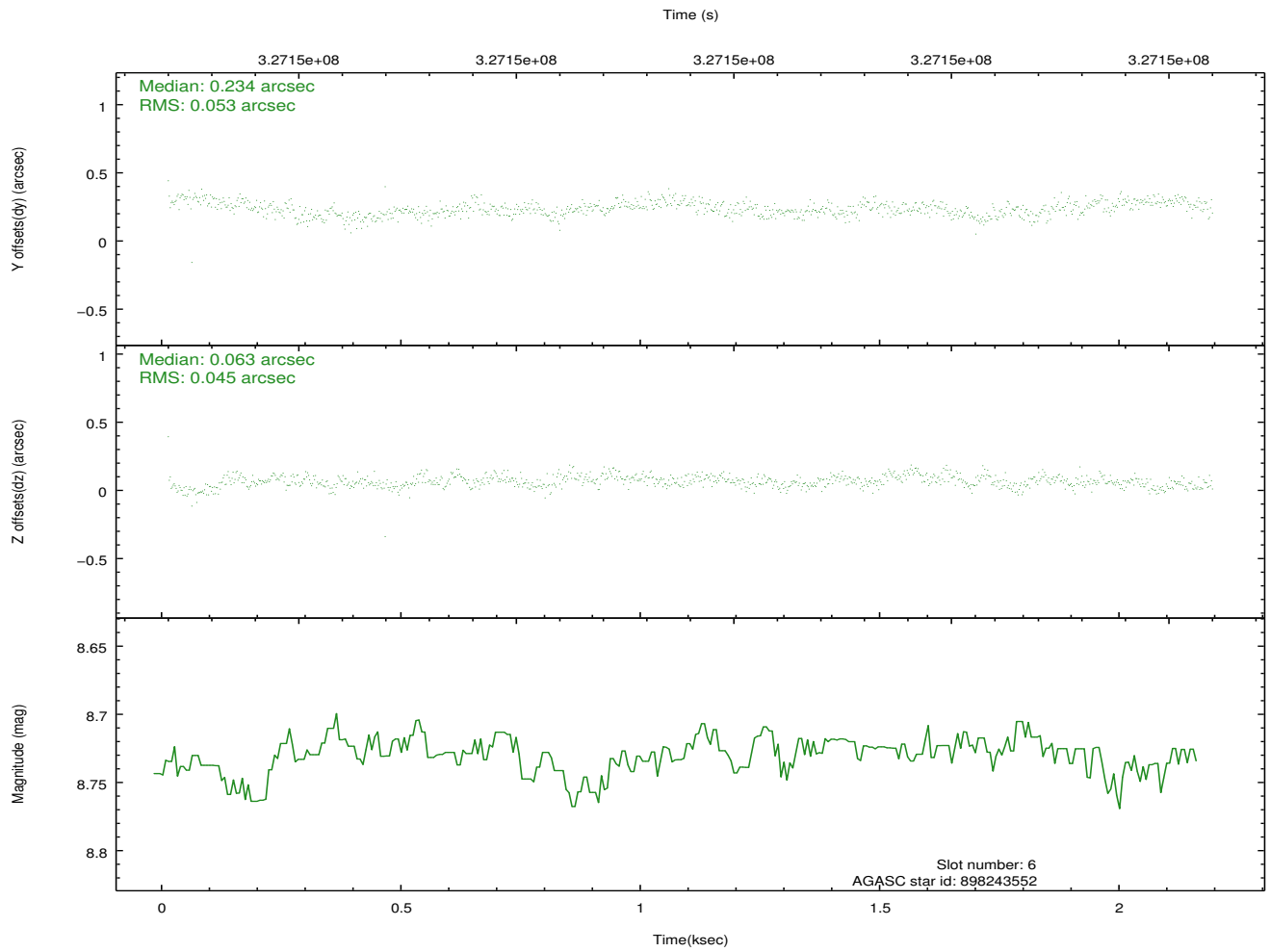
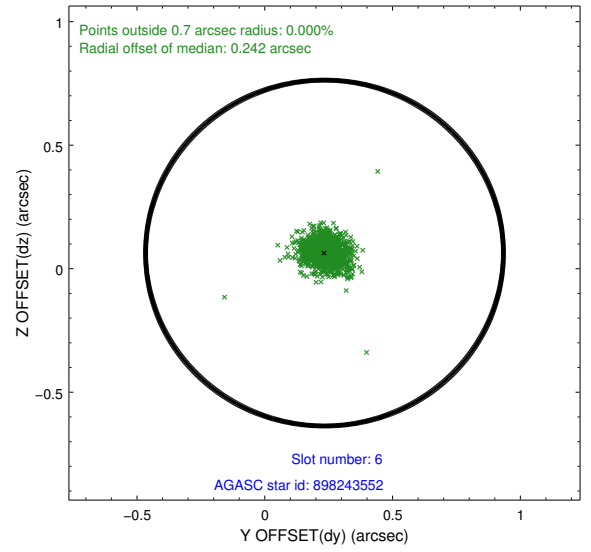
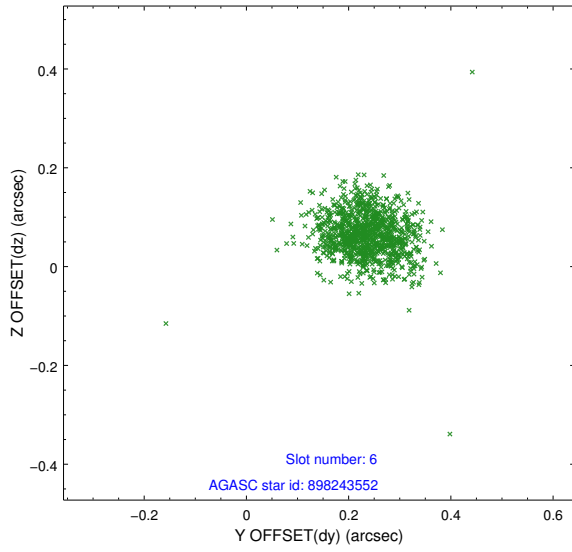
2.4.2 Slot 4



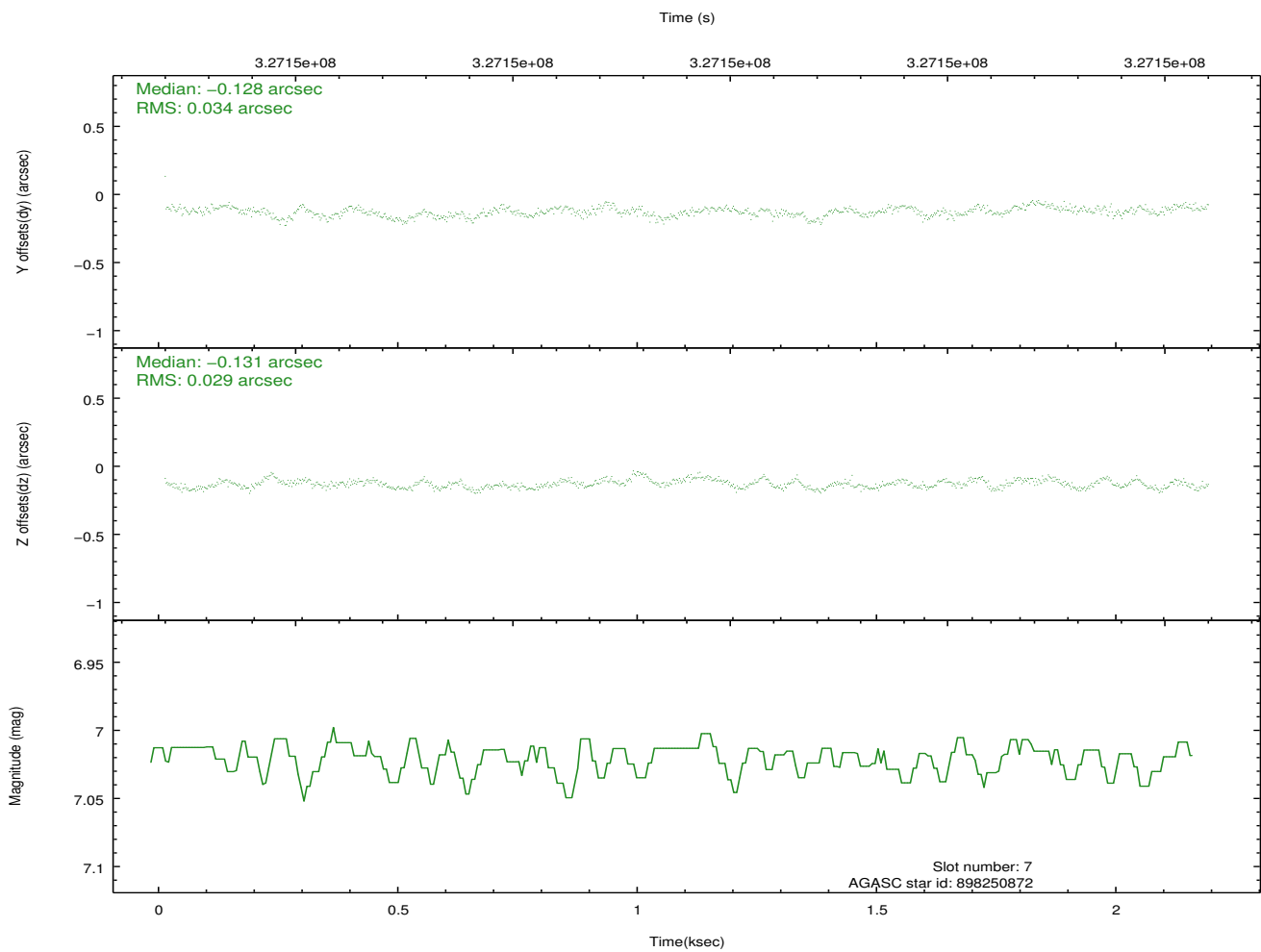
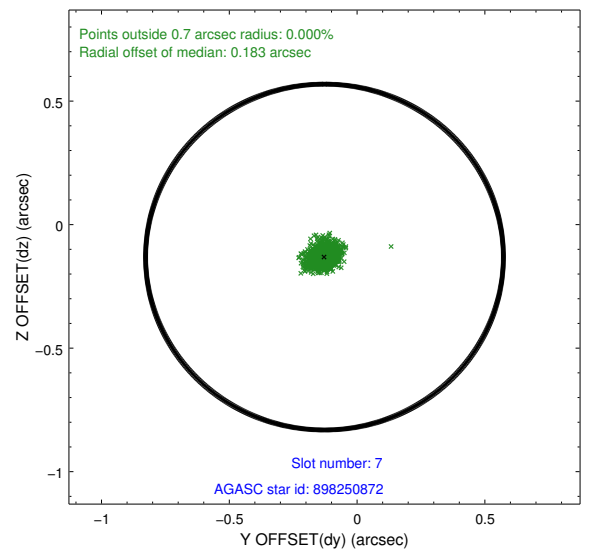
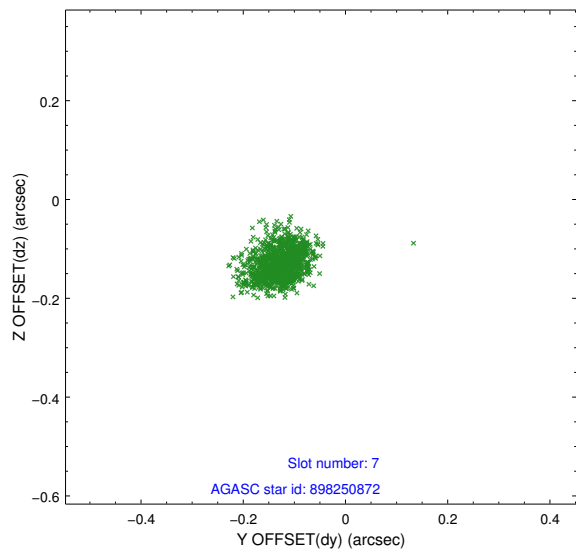
2.4.3 Slot 5



2.4.4 Slot 6

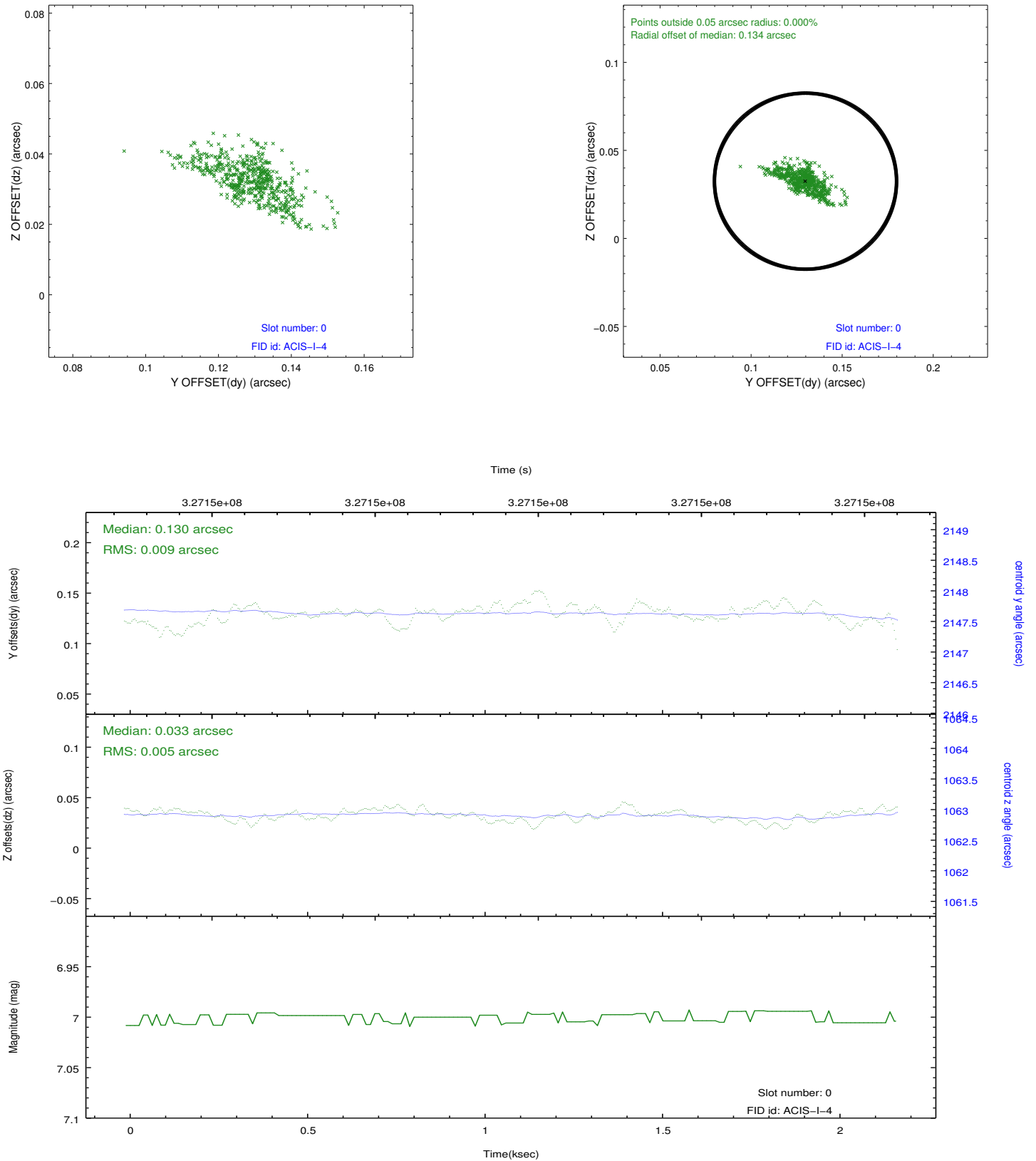


2.4.5 Slot 7

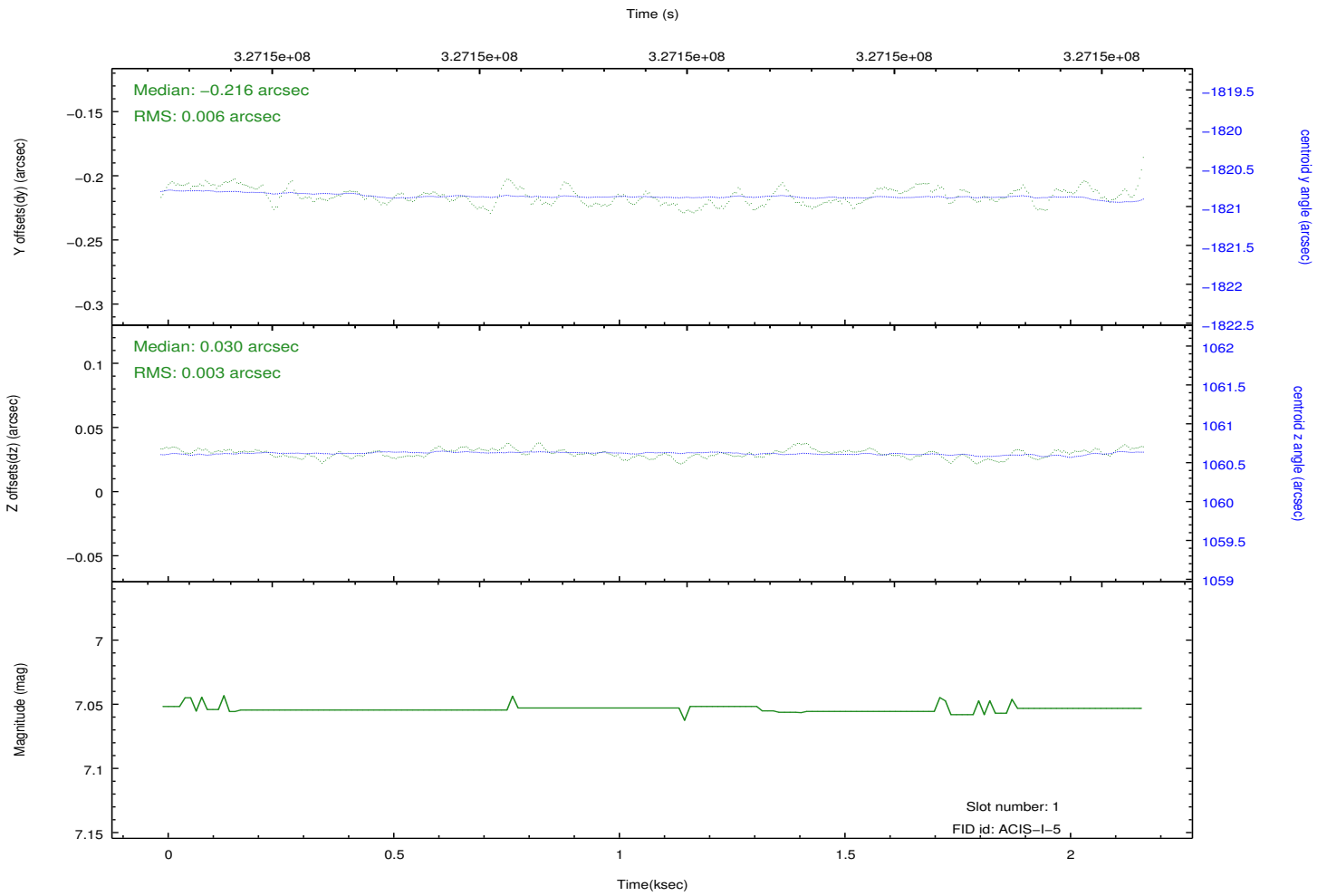
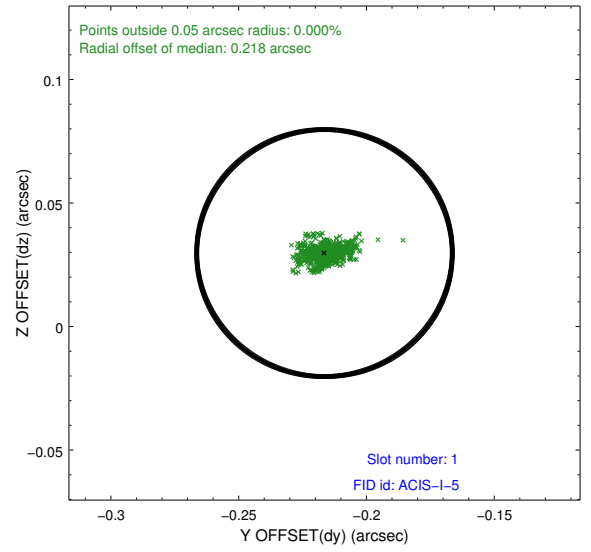
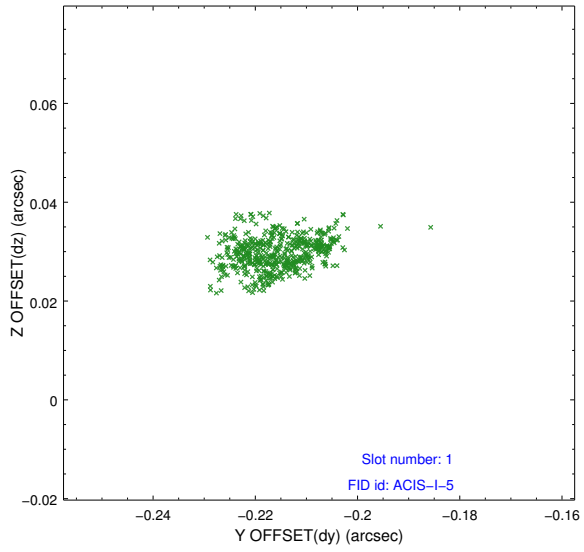


2.5 FID Slots

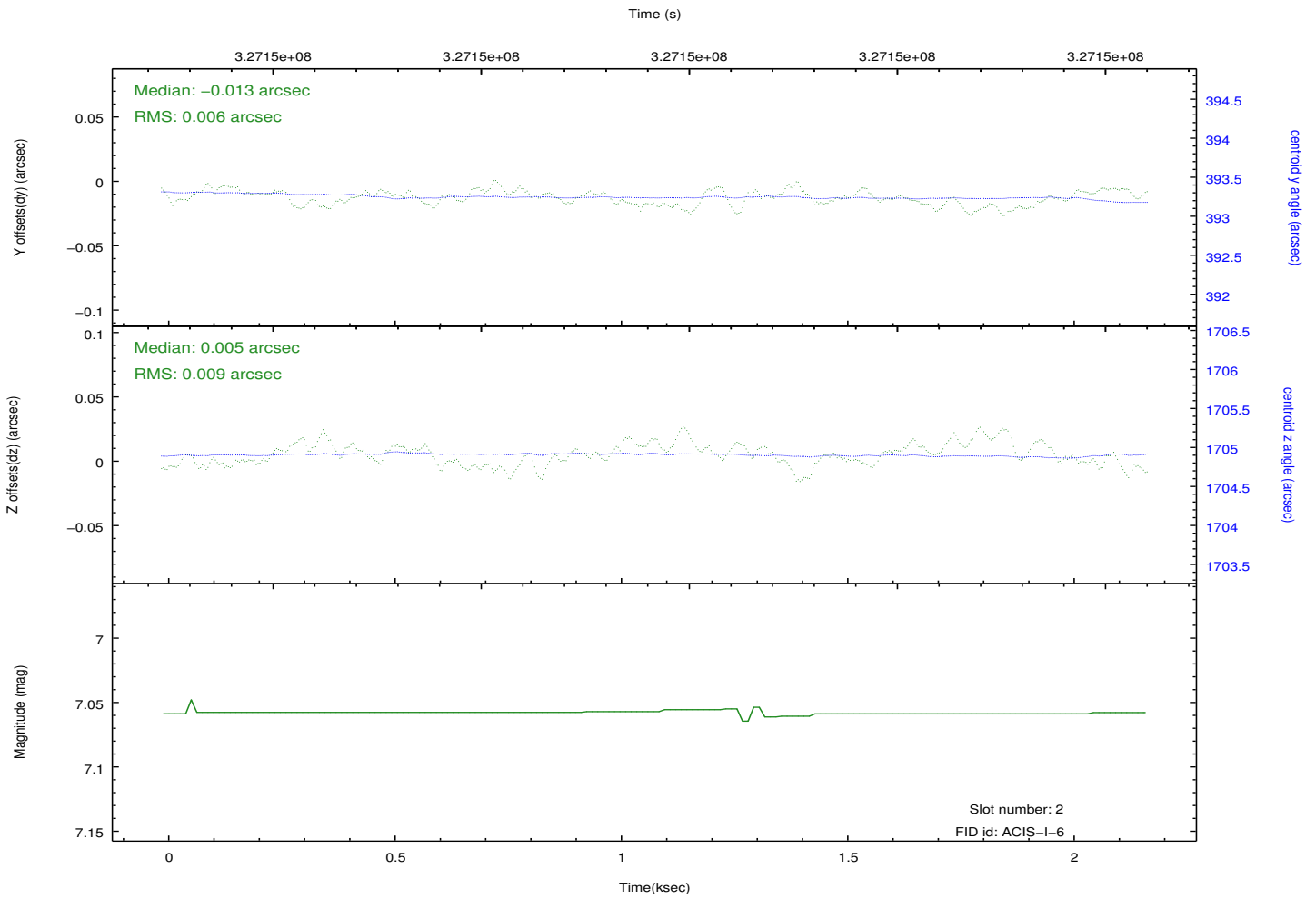
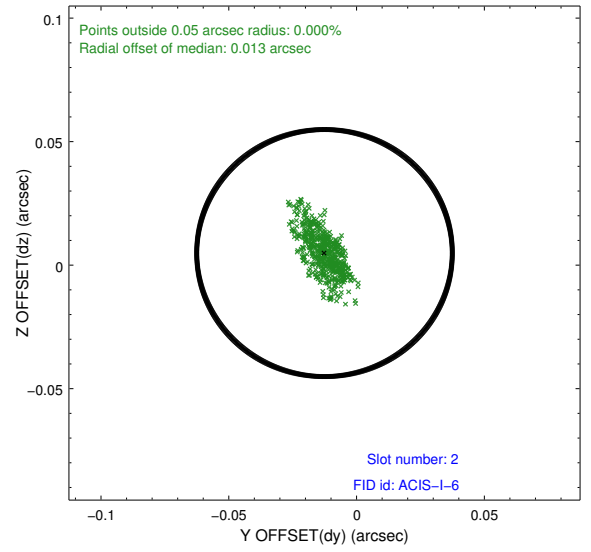
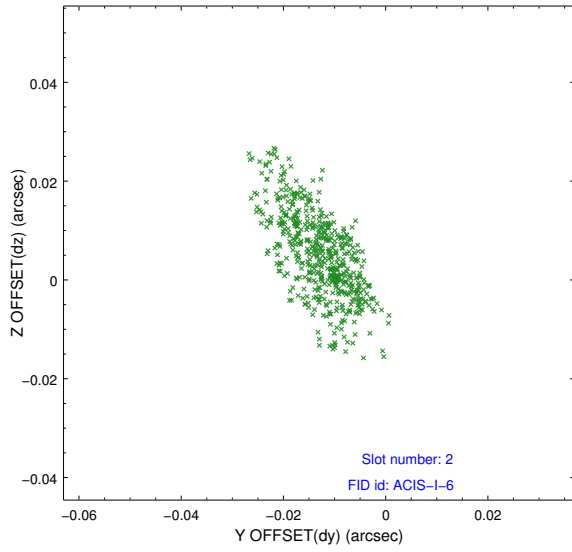
2.5.1 Slot 0



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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint proposal with NOAO.