

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8733 - L2 Version 2
Chandra X-Ray Center

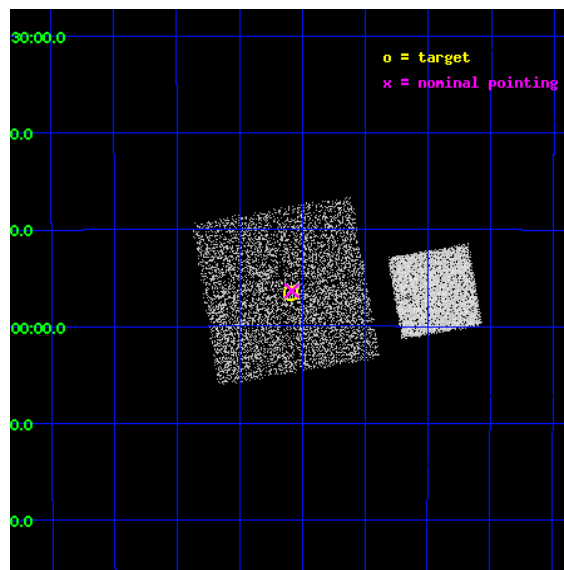
L2 Processing Date : May 14 2012

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1 Front

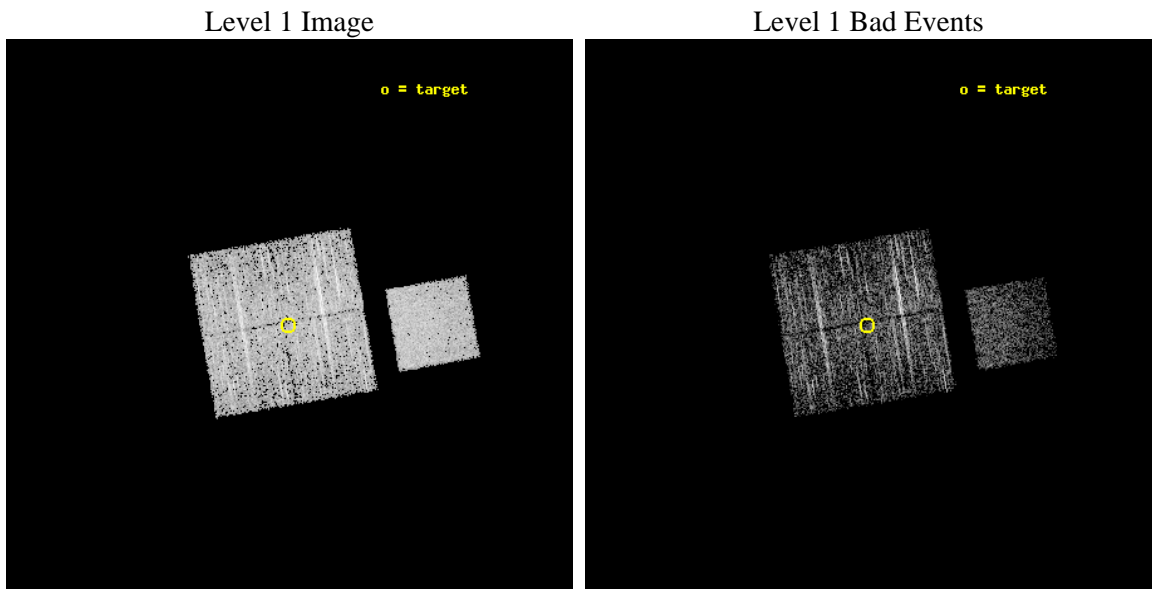
seq_num	400784	Sequence number
obs_id	8733	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.397786	Observer's specified target RA [deg]
dec_targ	-28.943881	Observer's specified target Dec [deg]
ra_nom	268.39594744313	Nominal RA [deg]
dec_nom	-28.938974111461	Nominal Dec [deg]
roll_nom	80.207874692915	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.2590065598	Sum of GTIs [s]
livetime	2150.785383292	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2179.2590065598	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	16895	Number of level 2 events



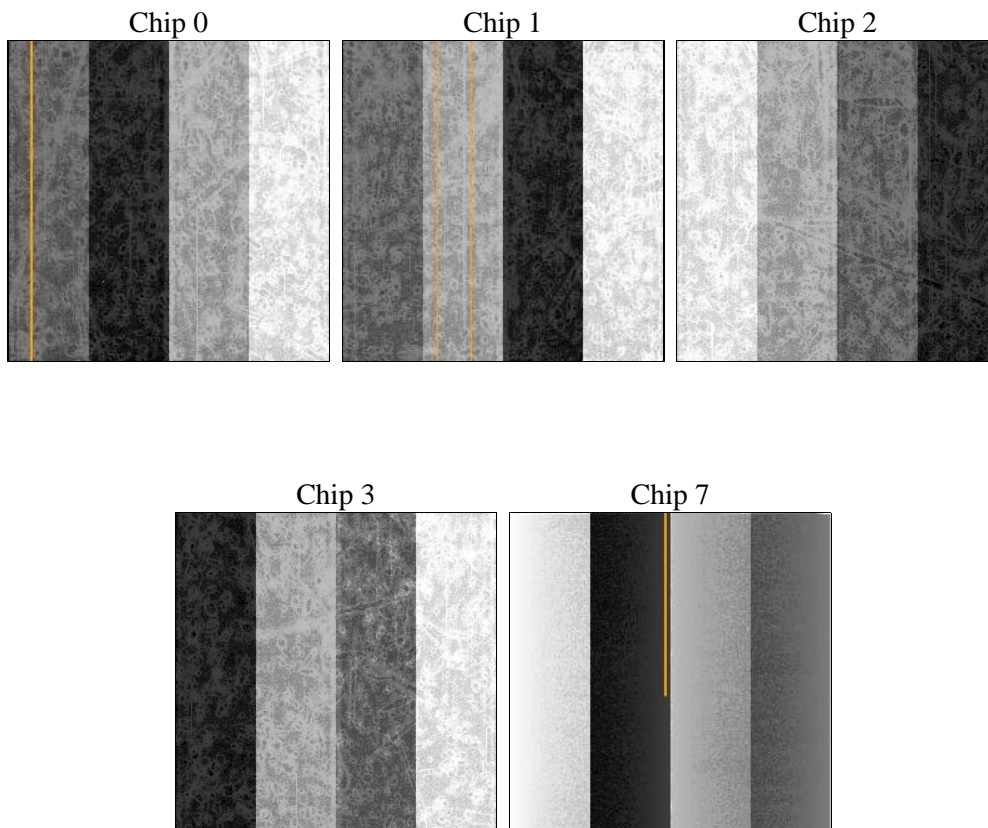
2 OBI

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	2179.2590065598	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-05-14T23:29:41	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	2179.2590065598	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	102947	Number of level 1 events

2.1.4 Events

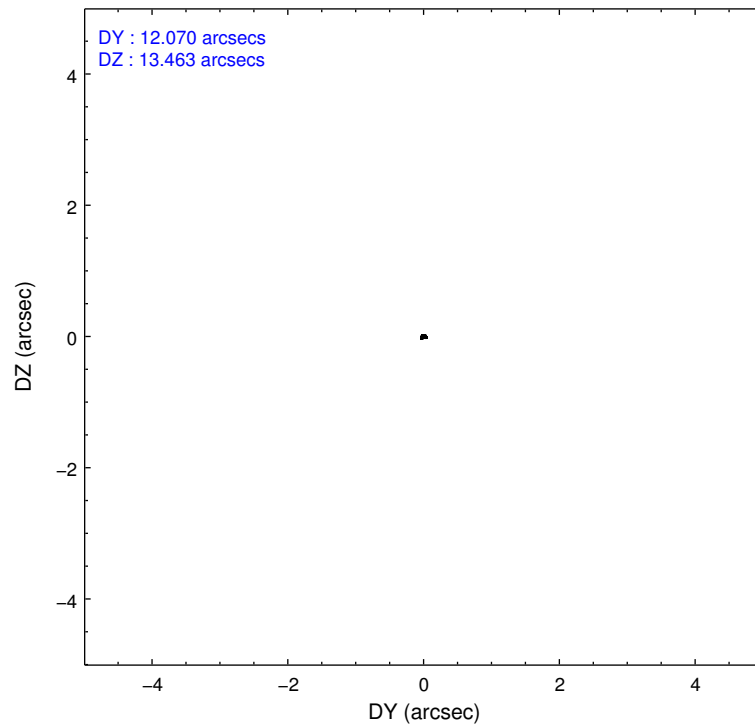
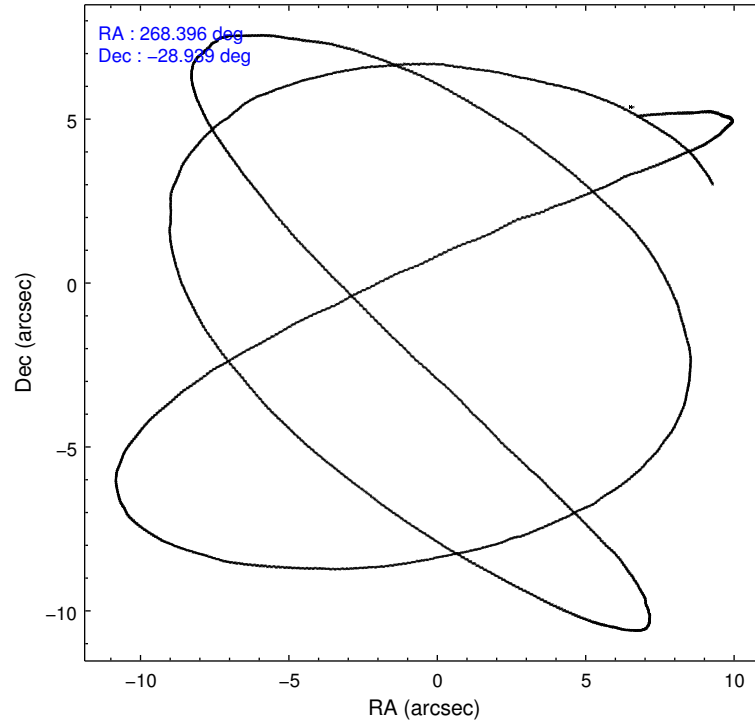
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19822	18571	21722	19550	23282
rejected events	17673	16136	19611	17336	13714
rejected %	89%	86%	90%	88%	58%

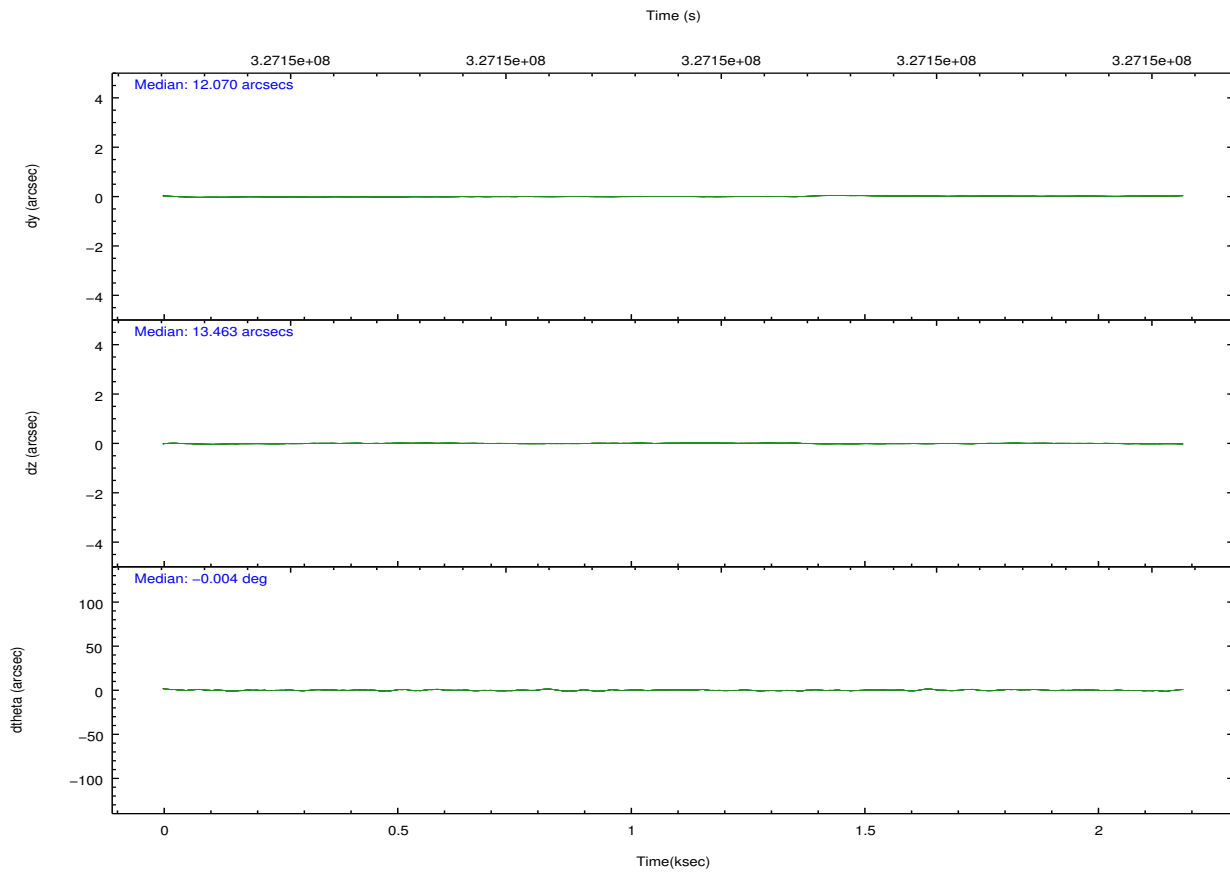
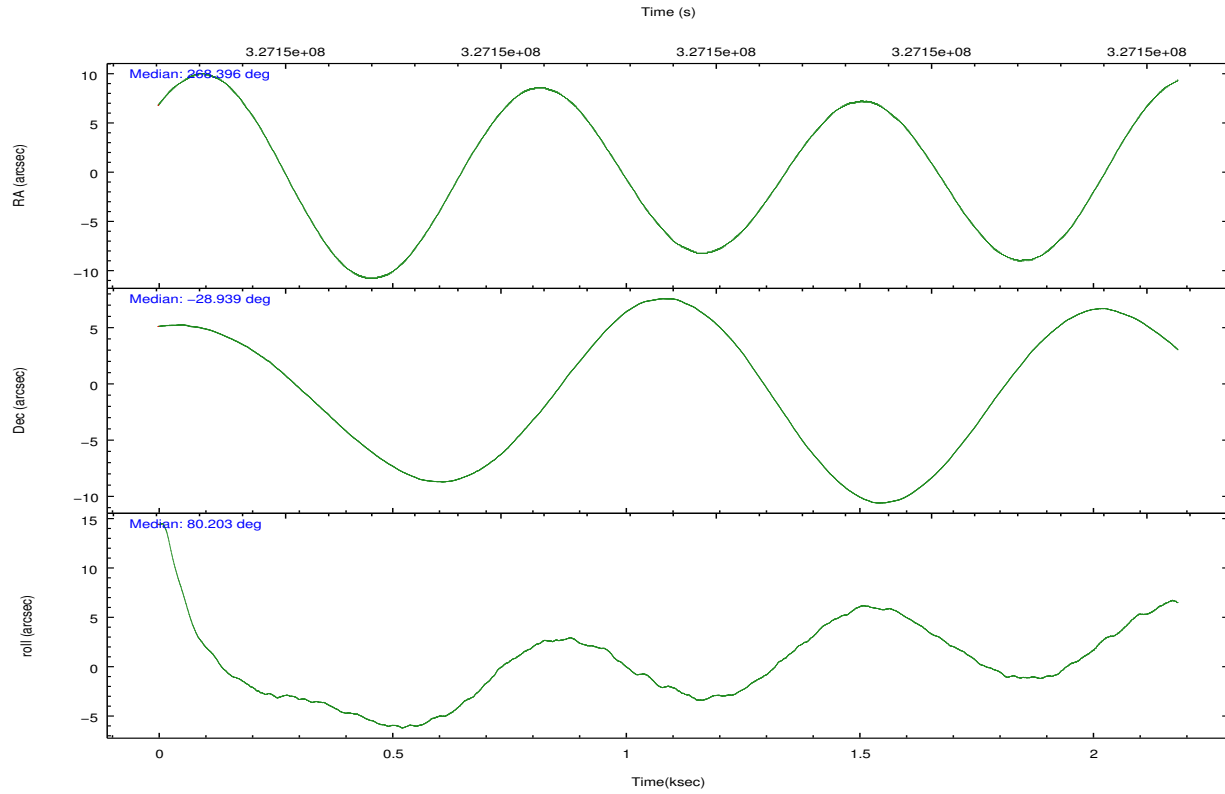
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1111	1357	1114	1200	1151
	5%	7%	5%	6%	4%
grade 1 events	6	10	21	13	27
	0%	0%	0%	0%	0%
grade 2 events	519	524	487	484	2274
	2%	2%	2%	2%	9%
grade 3 events	255	242	241	229	1046
	1%	1%	1%	1%	4%
grade 4 events	224	246	255	239	1020
	1%	1%	1%	1%	4%
grade 5 events	667	760	622	814	2340
	3%	4%	2%	4%	10%
grade 6 events	400	442	362	399	5538
	2%	2%	1%	2%	23%
grade 7 events	16640	14990	18620	16172	9886
	83%	80%	85%	82%	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	268.406898	268.3959474431289	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.964919	-28.9389741114609	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004414	80.20787469291525	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)	327148982.184000	327148605.49237	CCD S5 on	N	N
Observation start date	2008-05-14T10:41:57	2008-05-14T10:36:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327150982.184000	327151115.7175	On-chip summing requested	N	N
Observation end date	2008-05-14T11:15:17	2008-05-14T11:18:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



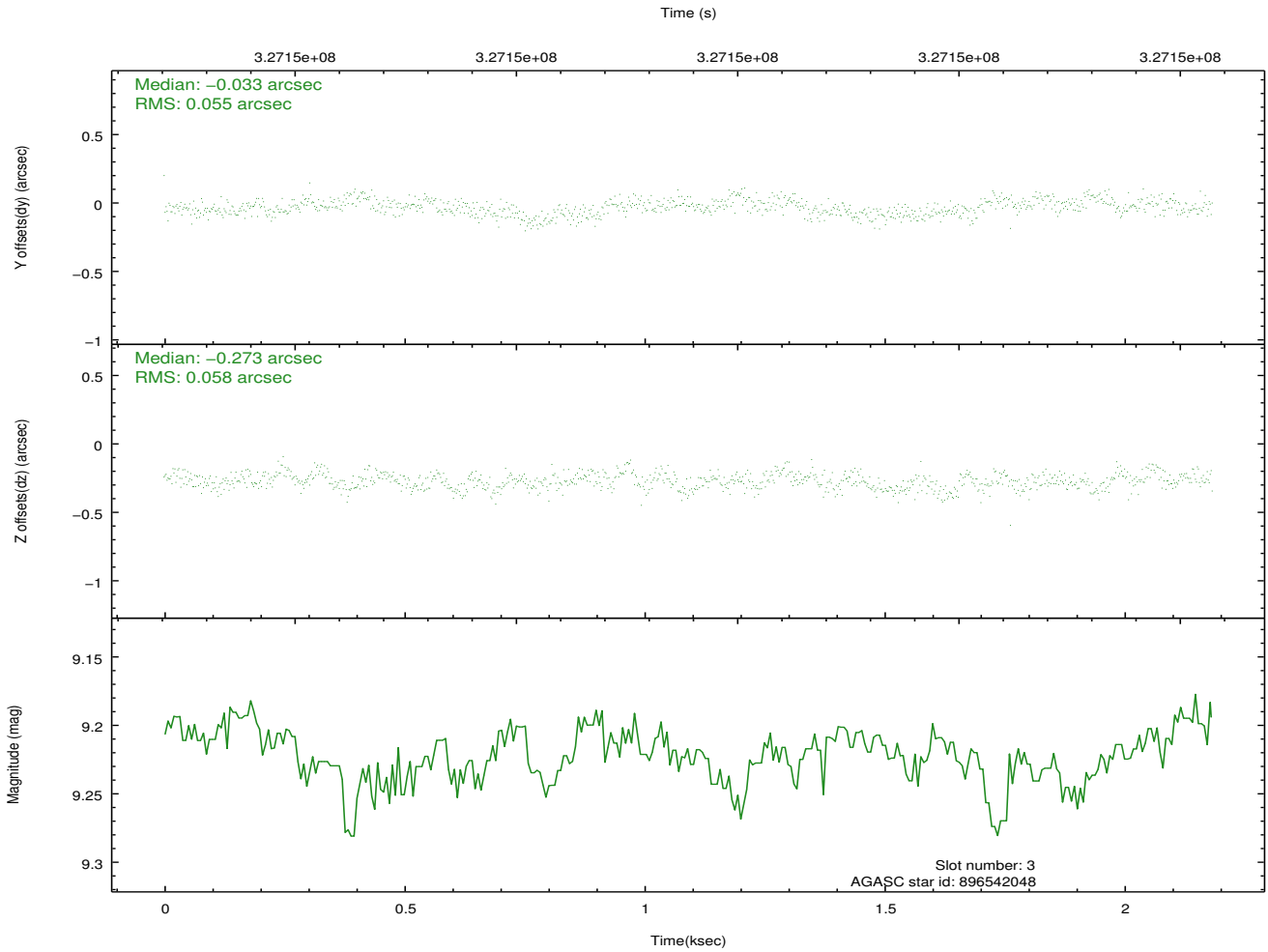
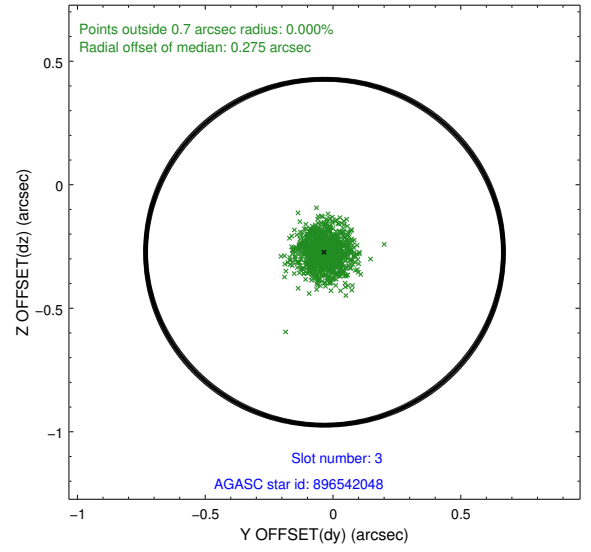
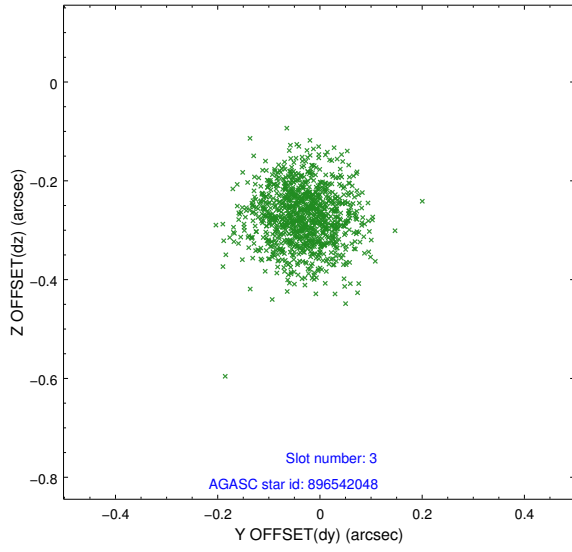


Slot Statistics

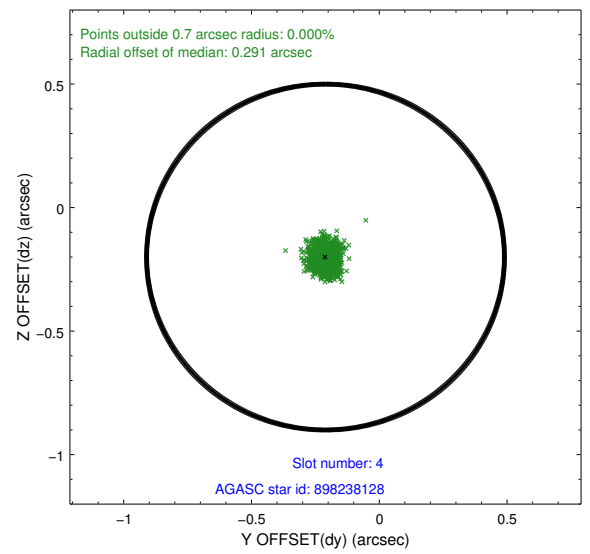
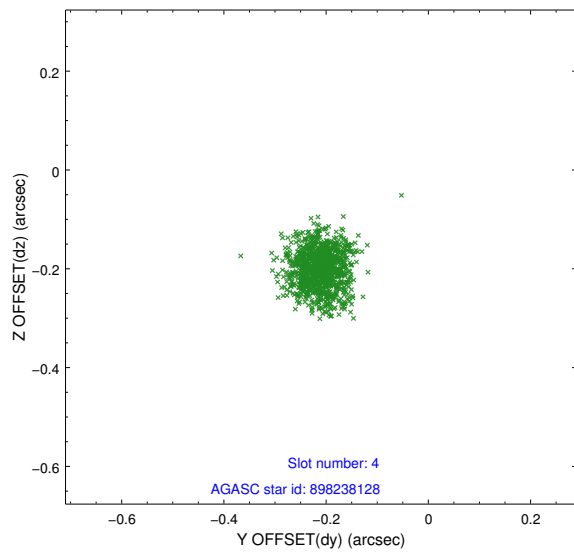
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	533	0.028	0.021	0.006	0.012	0.000000	0.000000	927.53	-836.97
1	FID	ACIS-I-2	6.97	533	-0.042	-0.055	0.010	0.017	0.000000	0.000000	-764.98	-845.03
2	FID	ACIS-I-5	7.05	533	-0.078	0.106	0.008	0.014	0.000000	0.000000	-1822.28	1059.00
3	GUIDE	896542048	9.22	1066	-0.033	-0.273	0.085	0.137	267.742937	-29.132026	-961.28	1950.54
4	GUIDE	898238128	7.70	1066	-0.210	-0.200	0.052	0.085	268.450740	-28.688500	1002.46	38.19
5	GUIDE	898243064	8.72	1065	0.164	0.075	0.077	0.123	268.852106	-29.678564	-2290.32	-1817.89
6	GUIDE	898243552	8.72	1063	0.158	0.141	0.085	0.129	267.970066	-28.622317	970.01	1571.75
7	GUIDE	898267256	9.37	1065	-0.076	0.261	0.120	0.196	269.153744	-29.049851	100.13	-2367.23

2.4 Star Slots

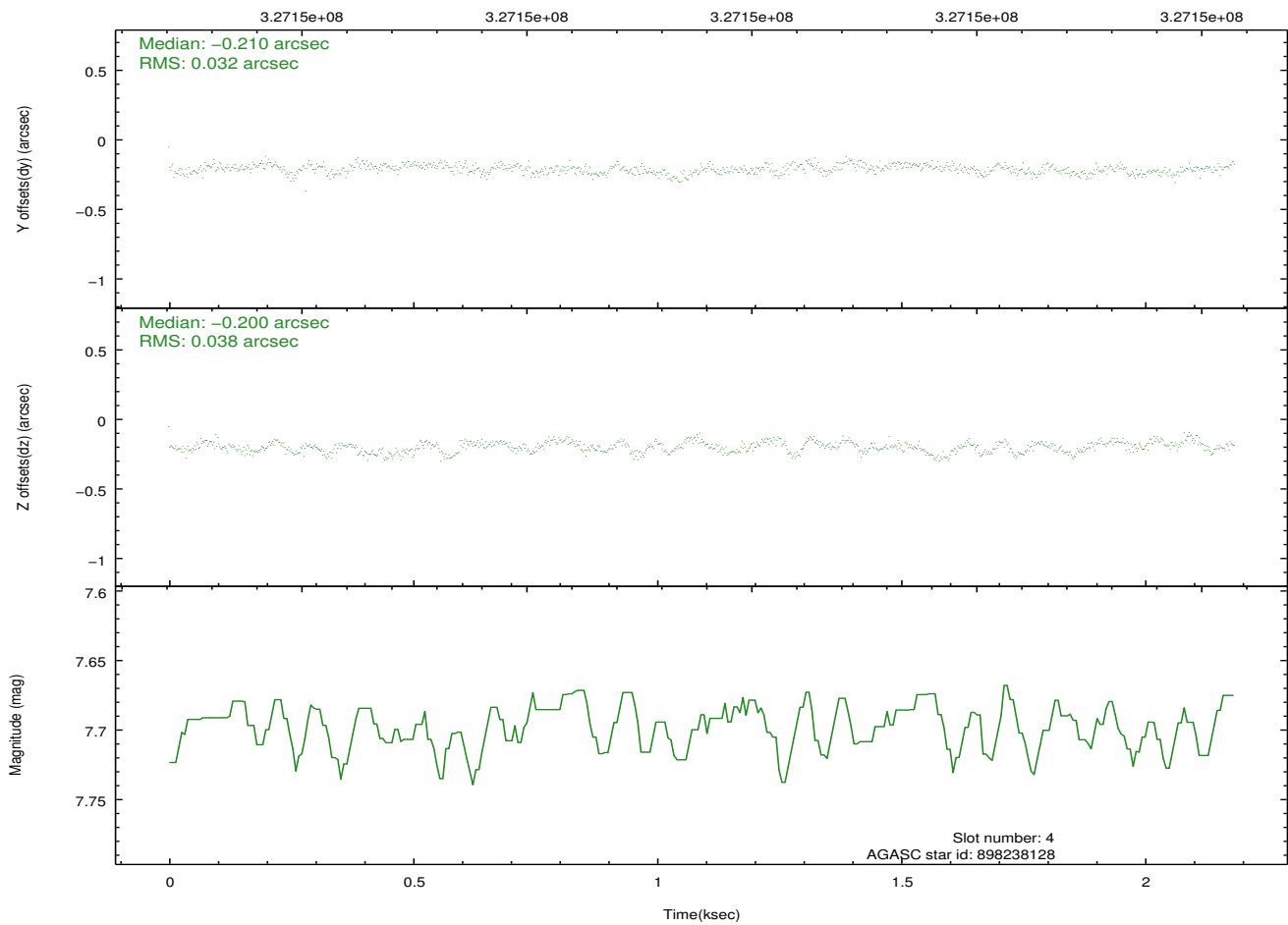
2.4.1 Slot 3



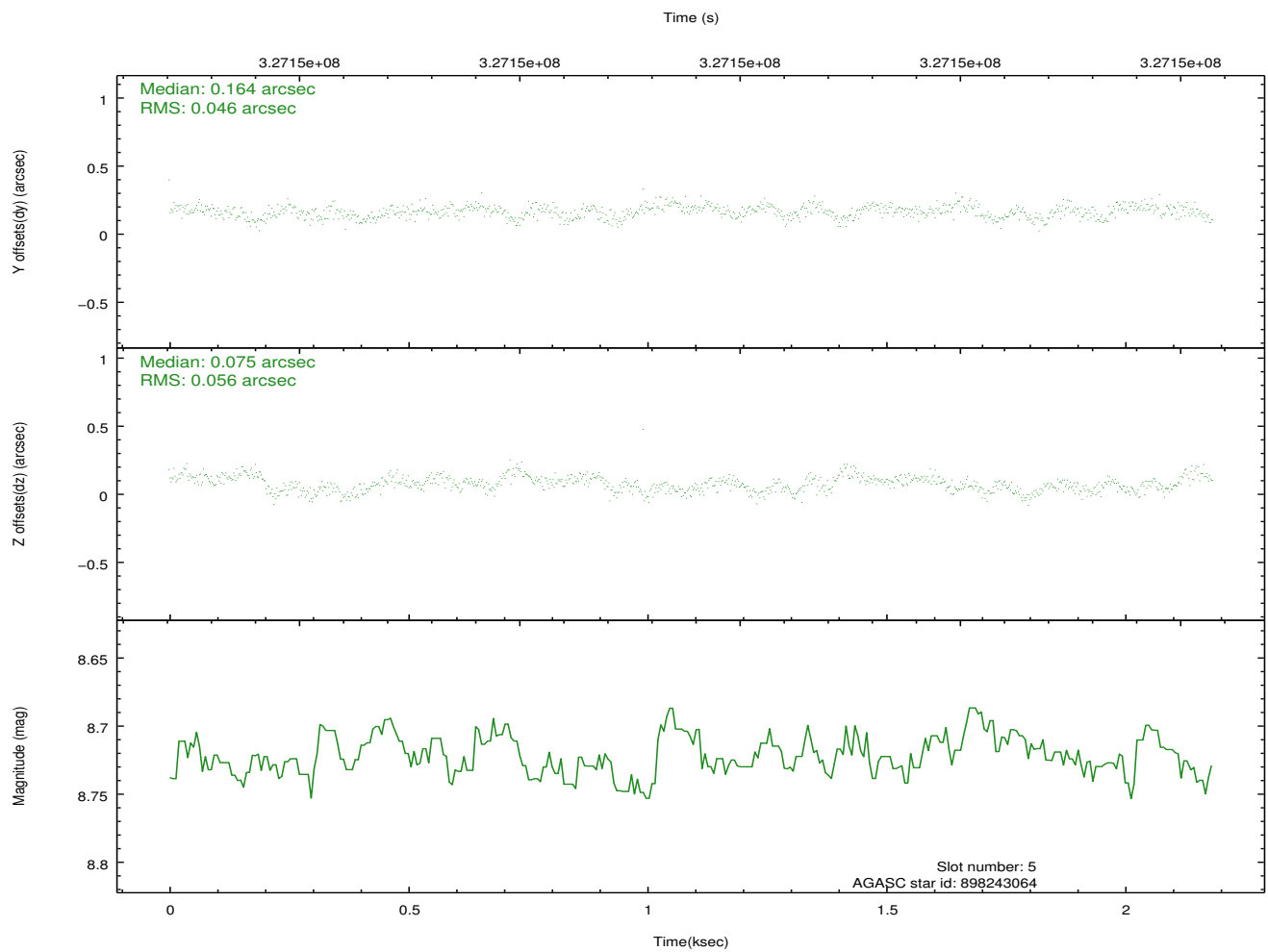
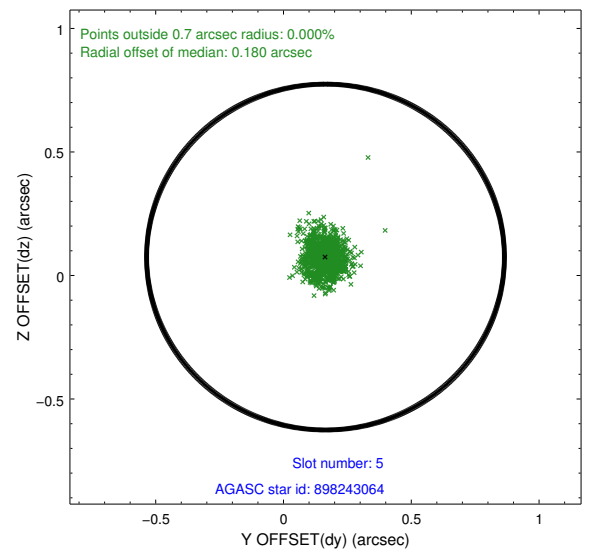
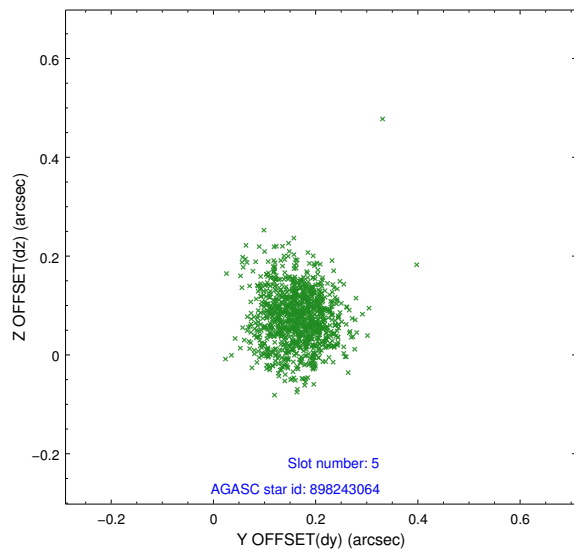
2.4.2 Slot 4



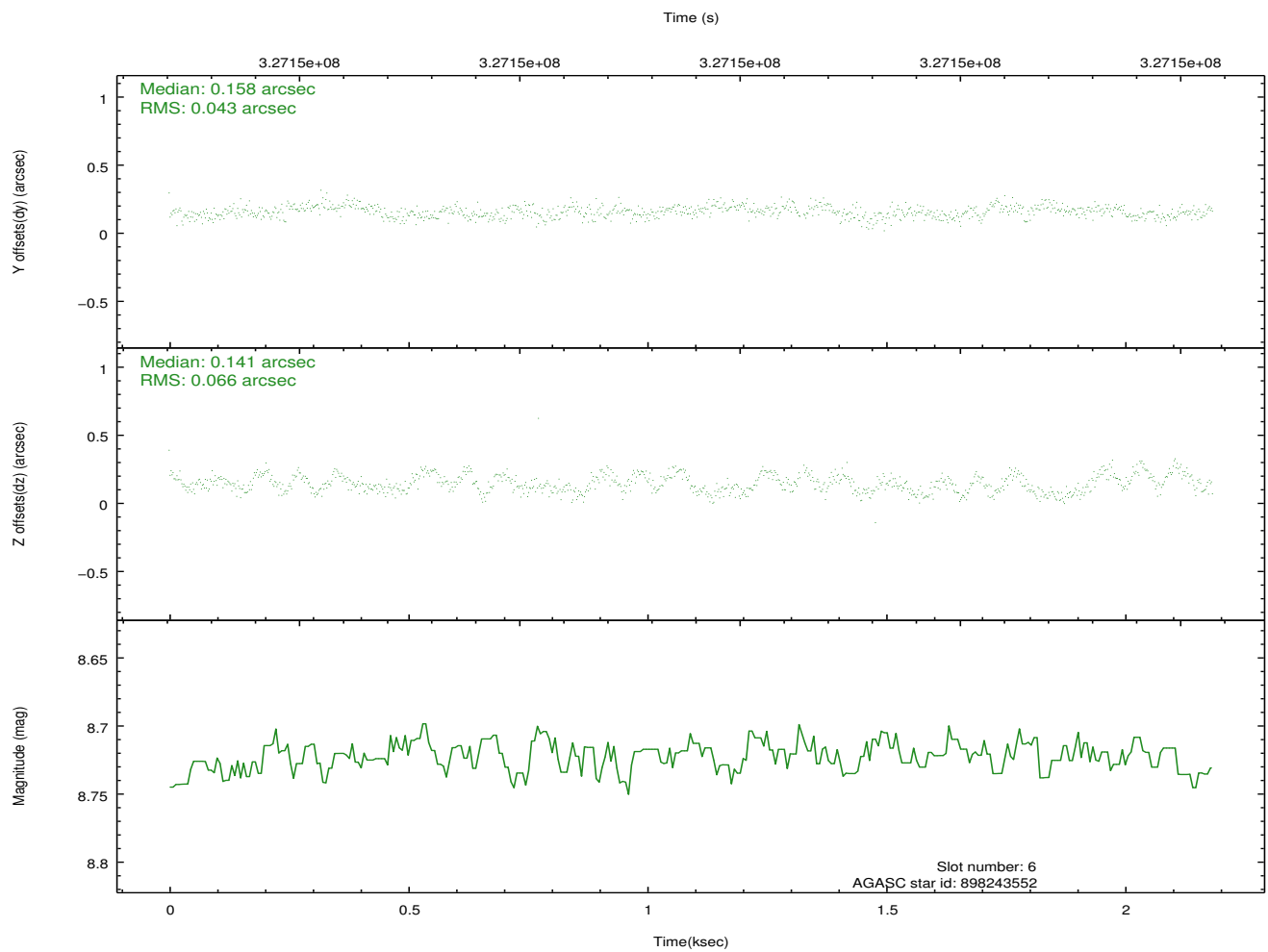
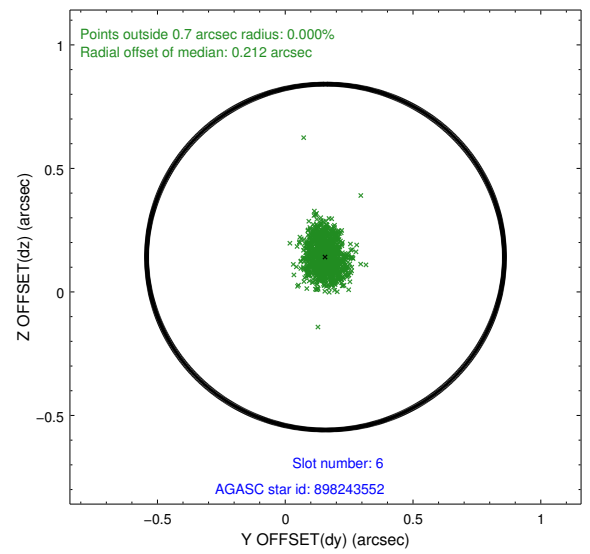
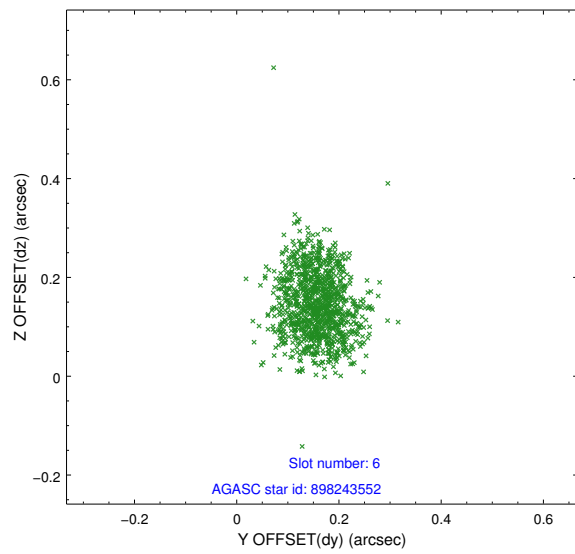
Time (s)



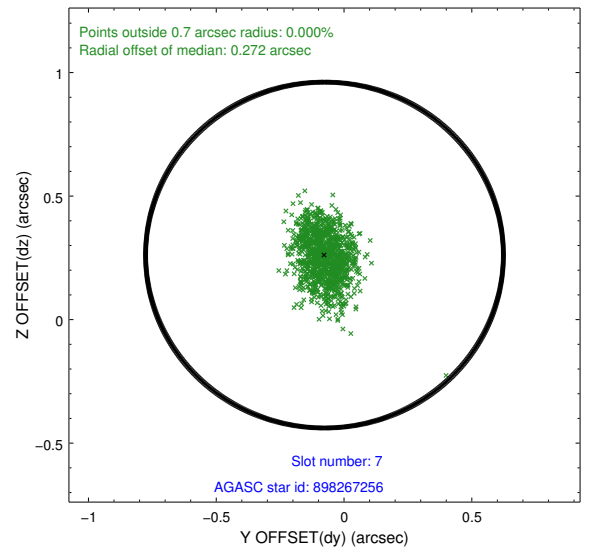
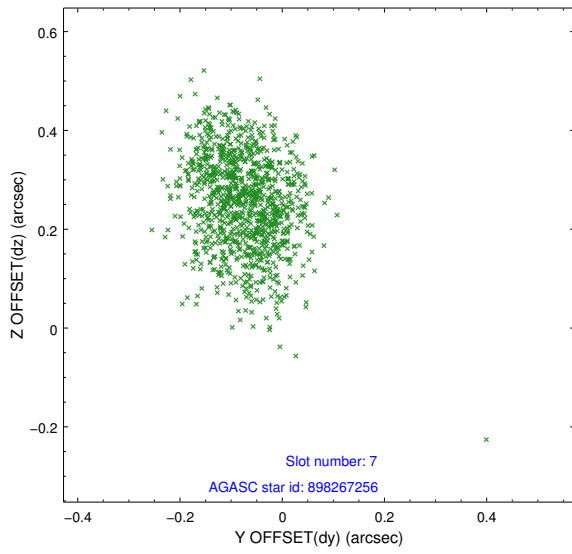
2.4.3 Slot 5



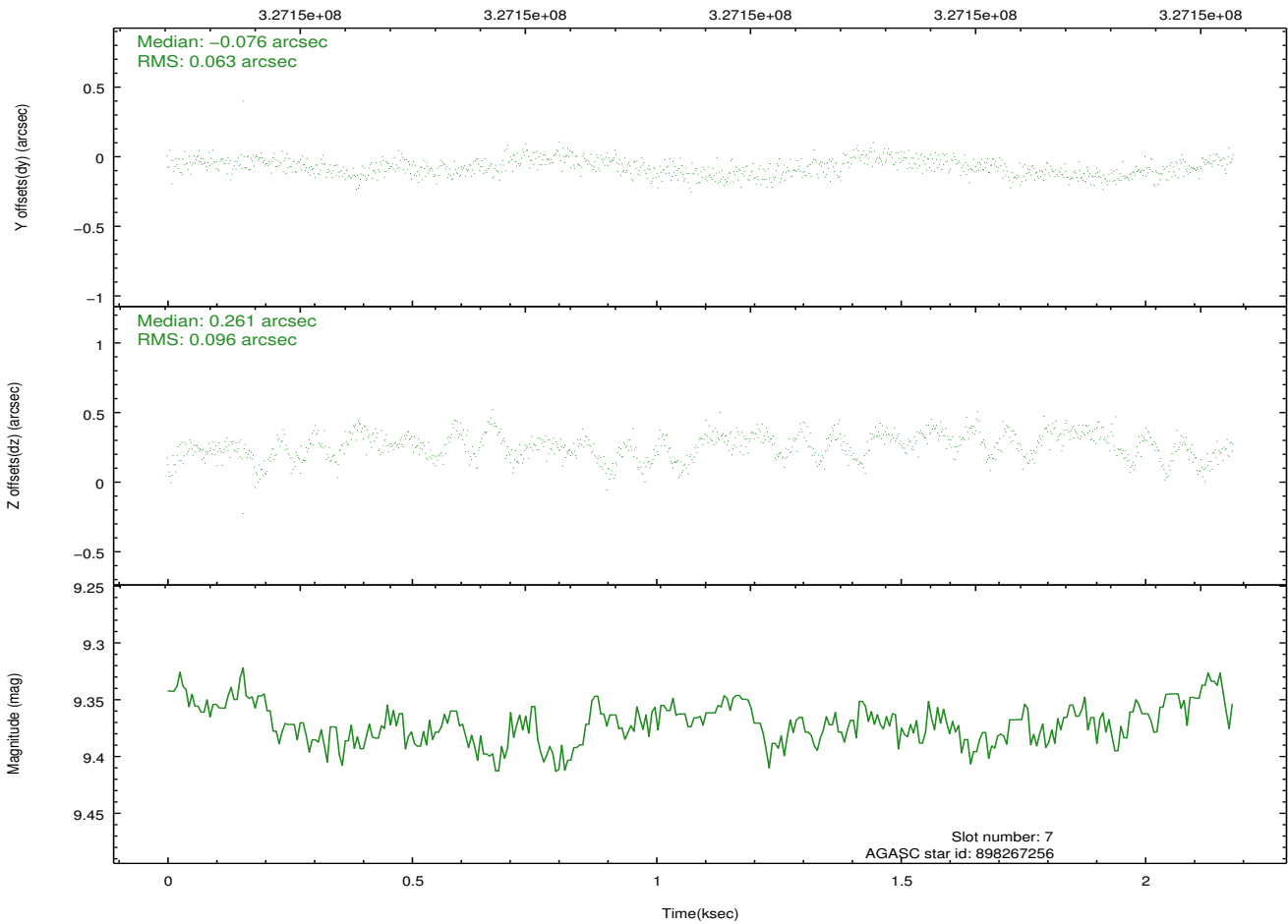
2.4.4 Slot 6



2.4.5 Slot 7

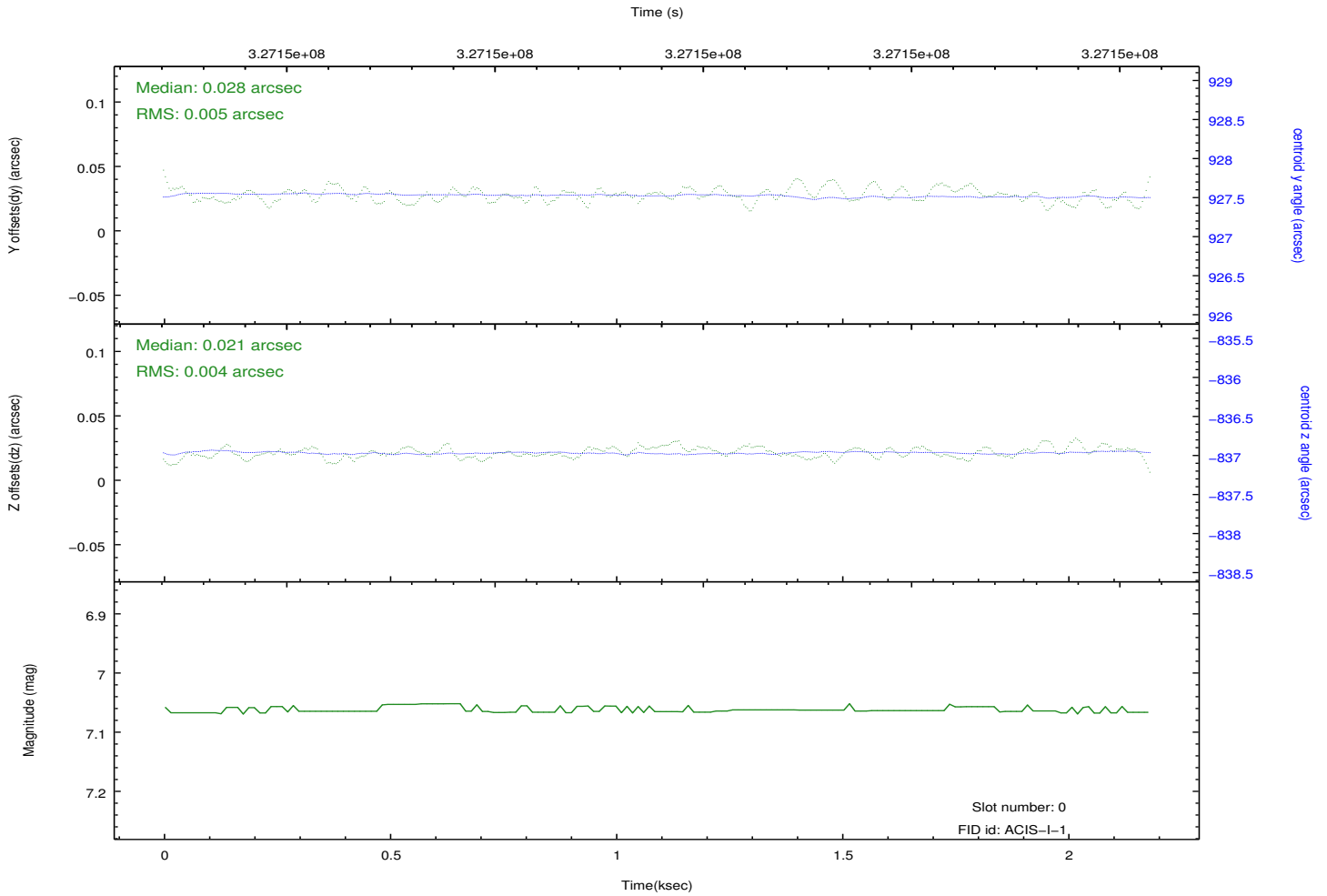
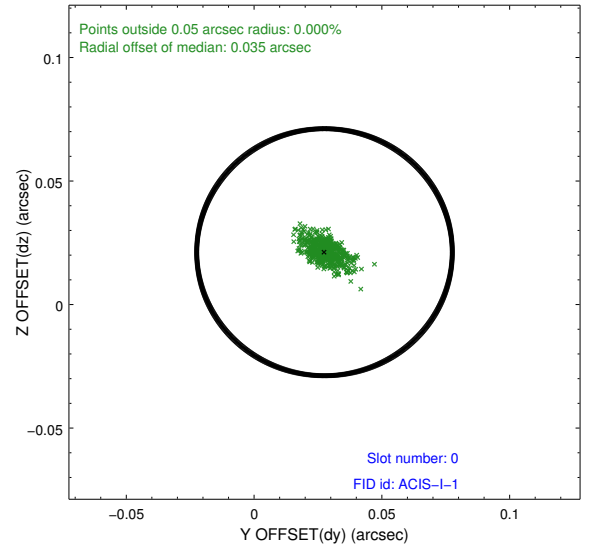
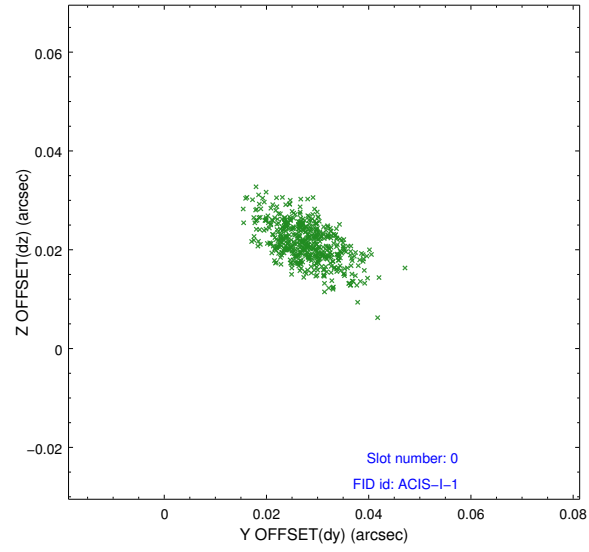


Time (s)

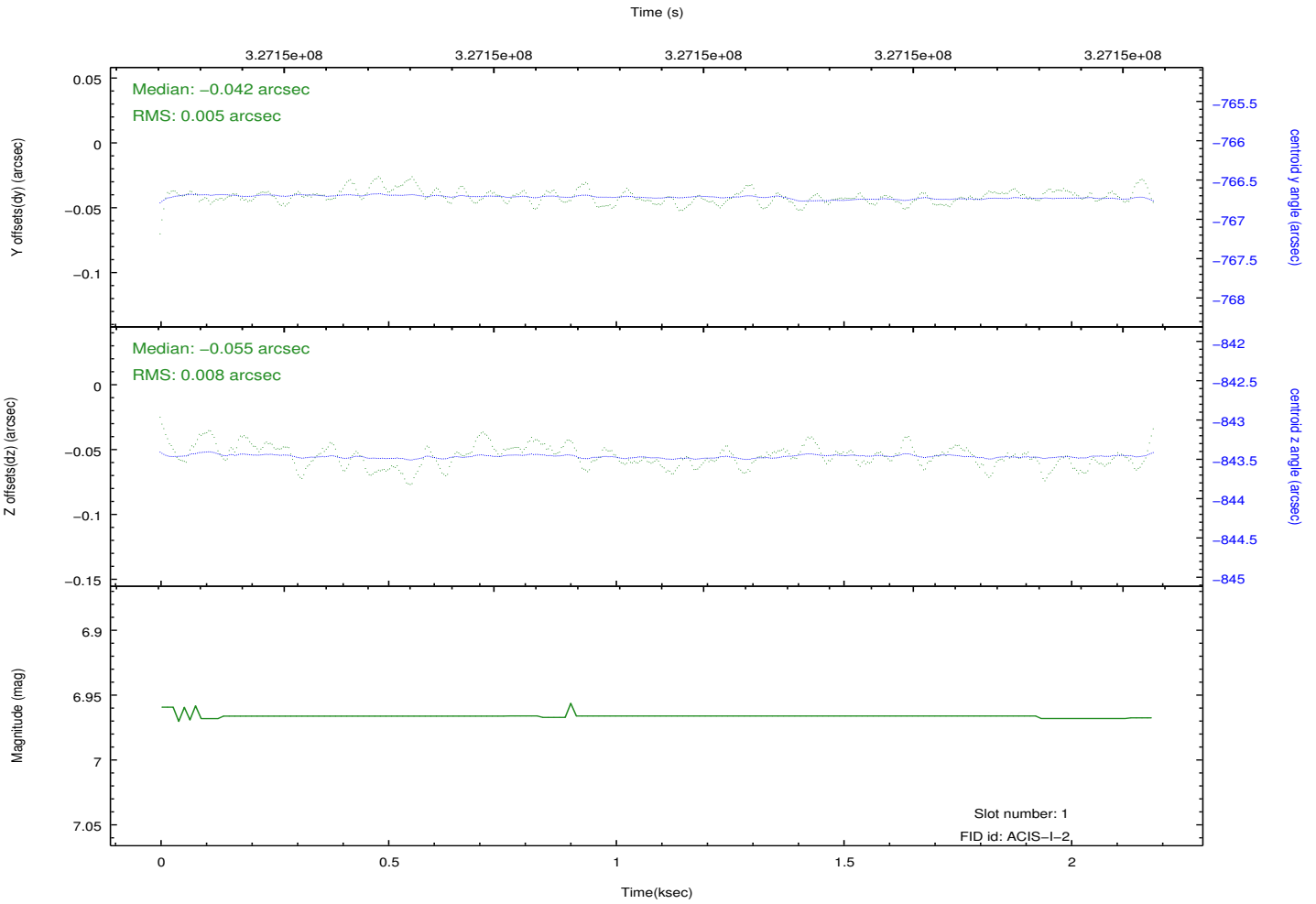
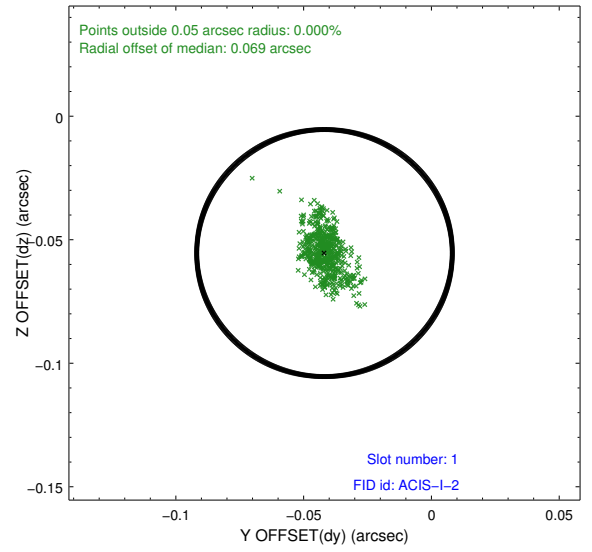
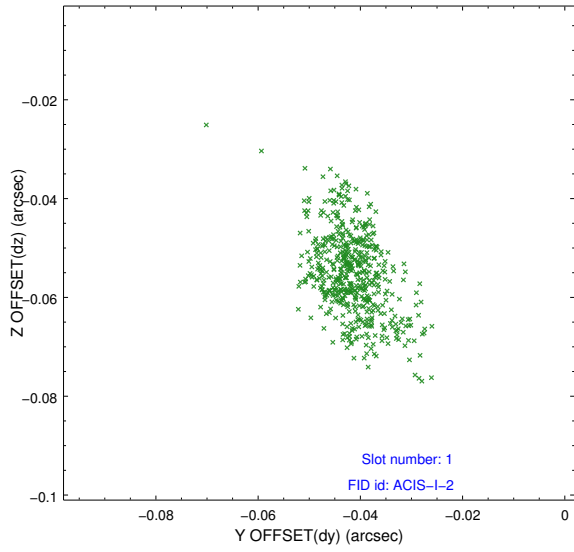


2.5 FID Slots

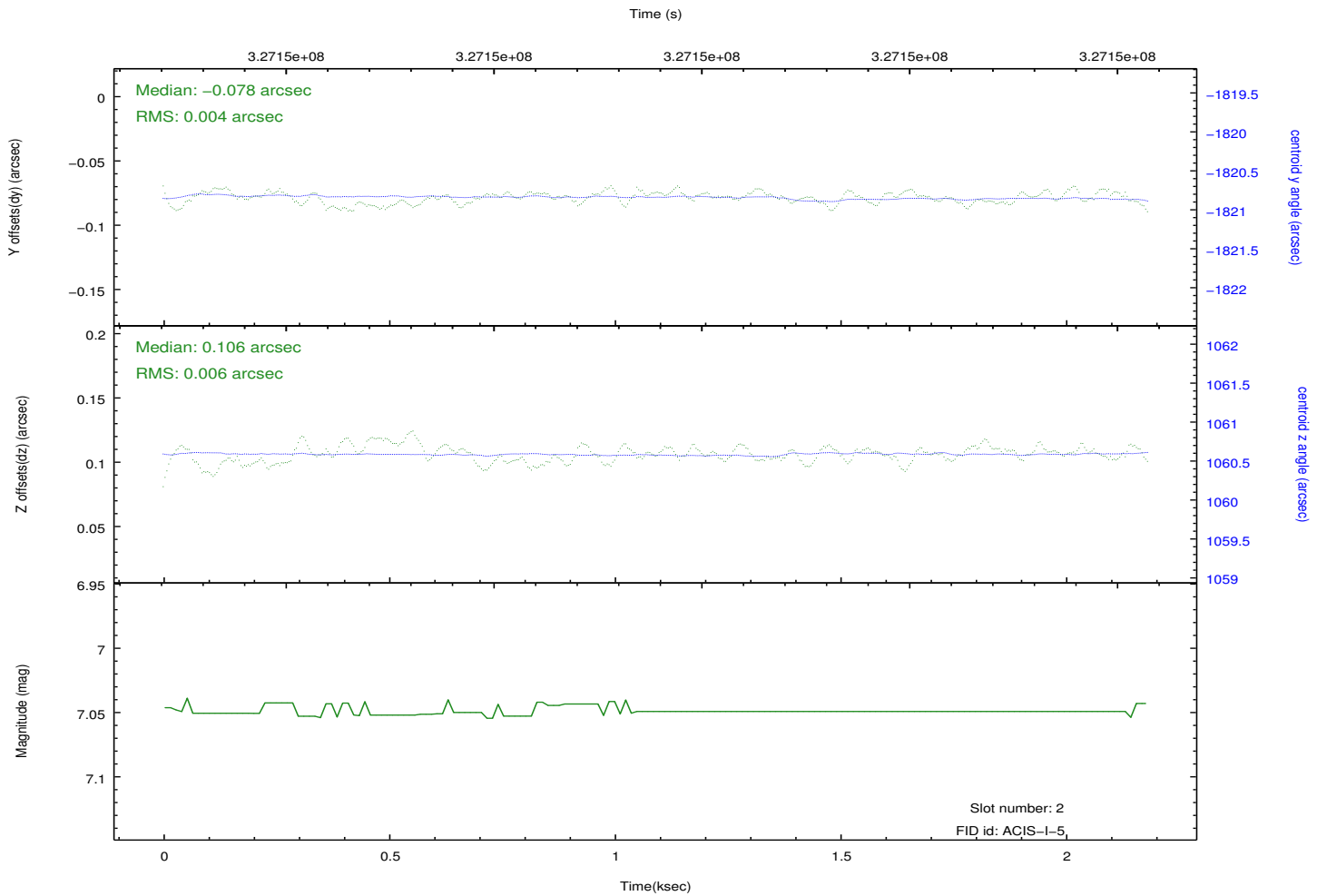
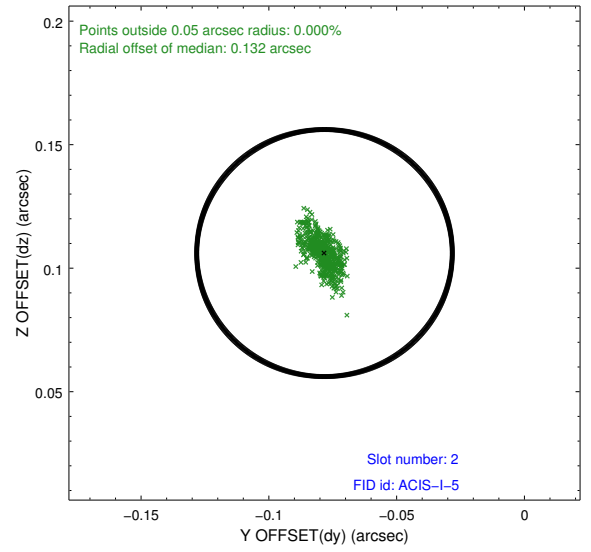
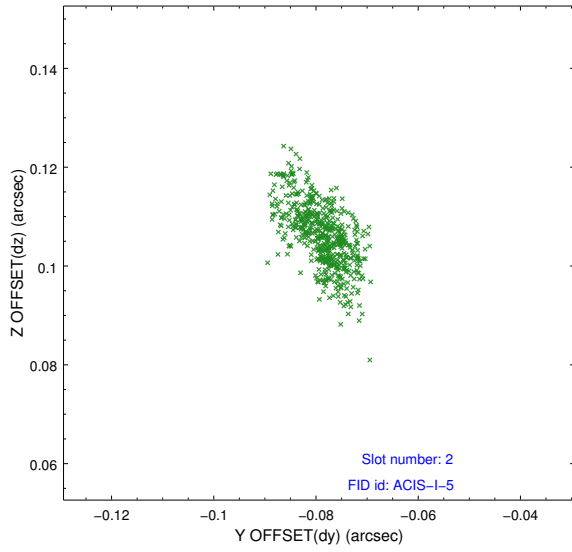
2.5.1 Slot 0



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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.179259

A.2 Comments