

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8731 - L2 Version 2
Chandra X-Ray Center

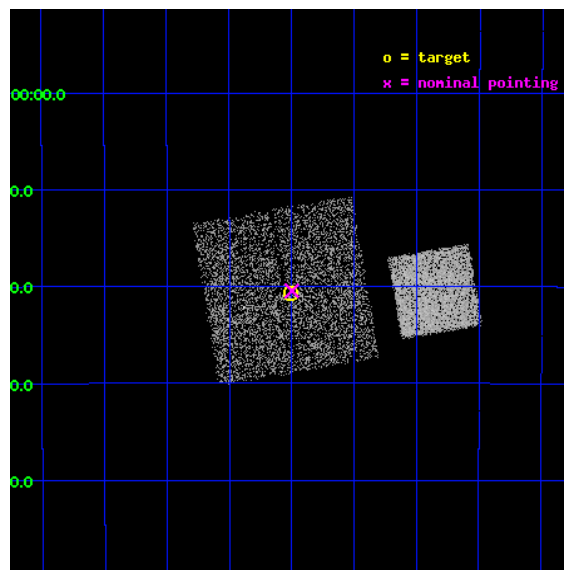
L2 Processing Date : May 14 2012

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1 Front

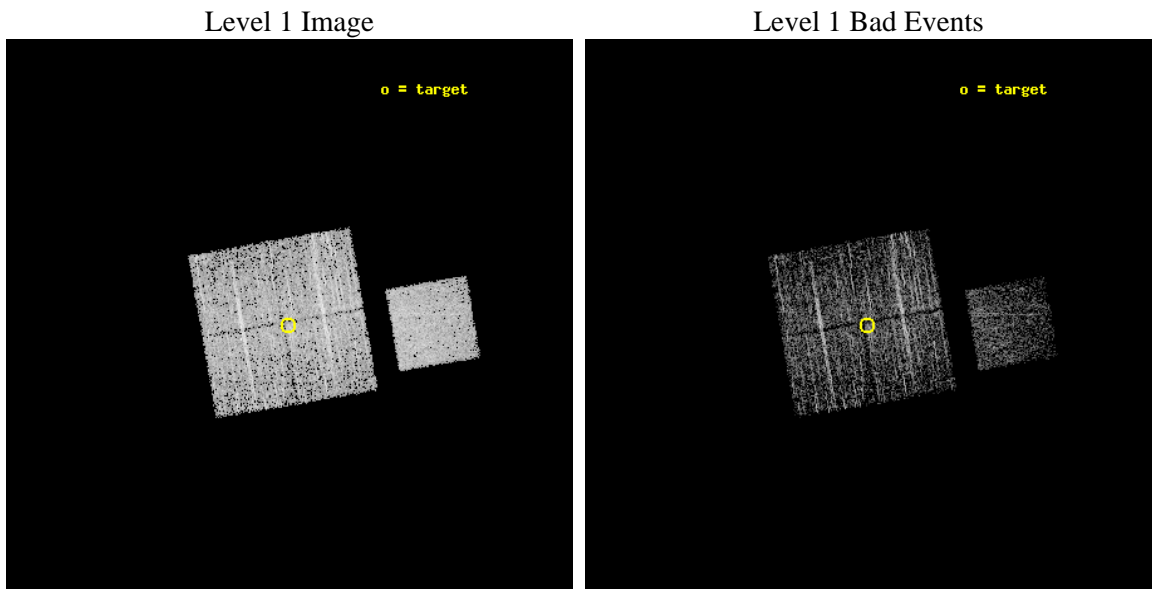
seq_num	400782	Sequence number
obs_id	8731	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.126625	Observer's specified target RA [deg]
dec_targ	-29.345803	Observer's specified target Dec [deg]
ra_nom	268.12480289501	Nominal RA [deg]
dec_nom	-29.340895322808	Nominal Dec [deg]
roll_nom	80.207807603838	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2182.3590065241	Sum of GTIs [s]
ontime1	2182.3590164781	Sum of GTIs [s]
ontime2	2185.5000168085	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
ontime7	2185.5000168085	Sum of GTIs [s]
l2events	16999	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	1999.724000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2185.5000168085	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2182.3590065241	Sum of GTIs [s]
date	2012-05-14T23:34:05	Date and time of file creation	ontime1	2182.3590164781	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2185.5000168085	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			ontime7	2185.5000168085	Sum of GTIs [s]
			l1events	97746	Number of level 1 events

2.1.4 Events

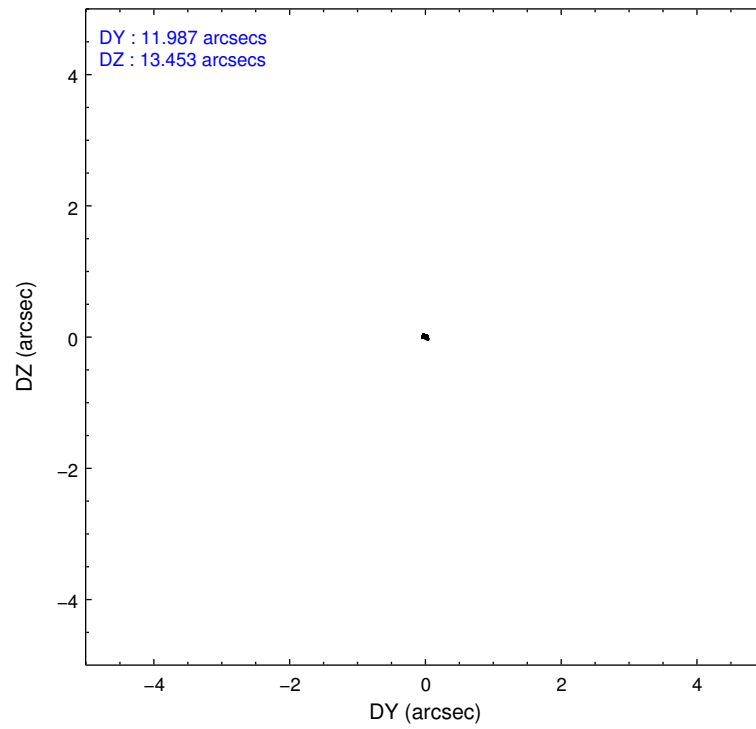
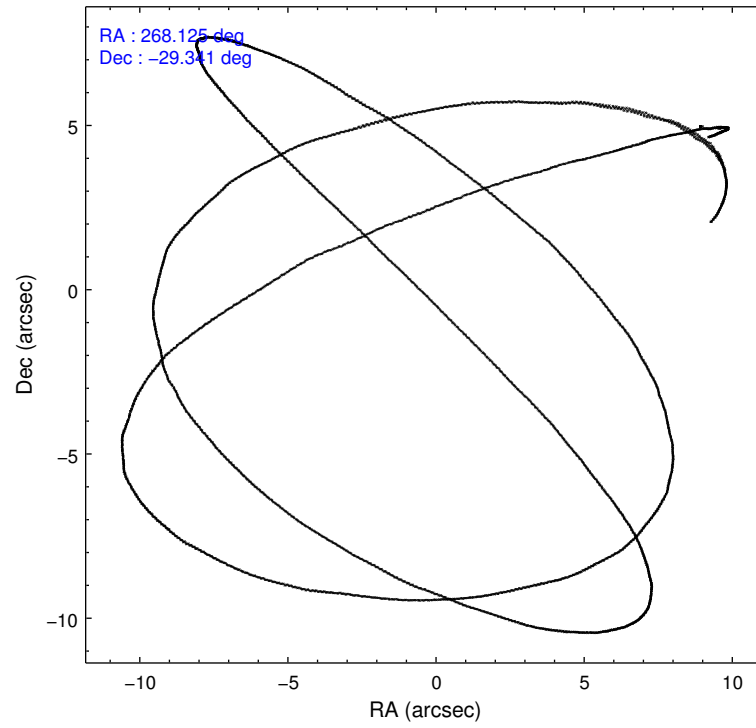
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18118	18468	20600	18448	22112
rejected events	15928	15913	18388	16222	12664
rejected %	87%	86%	89%	87%	57%

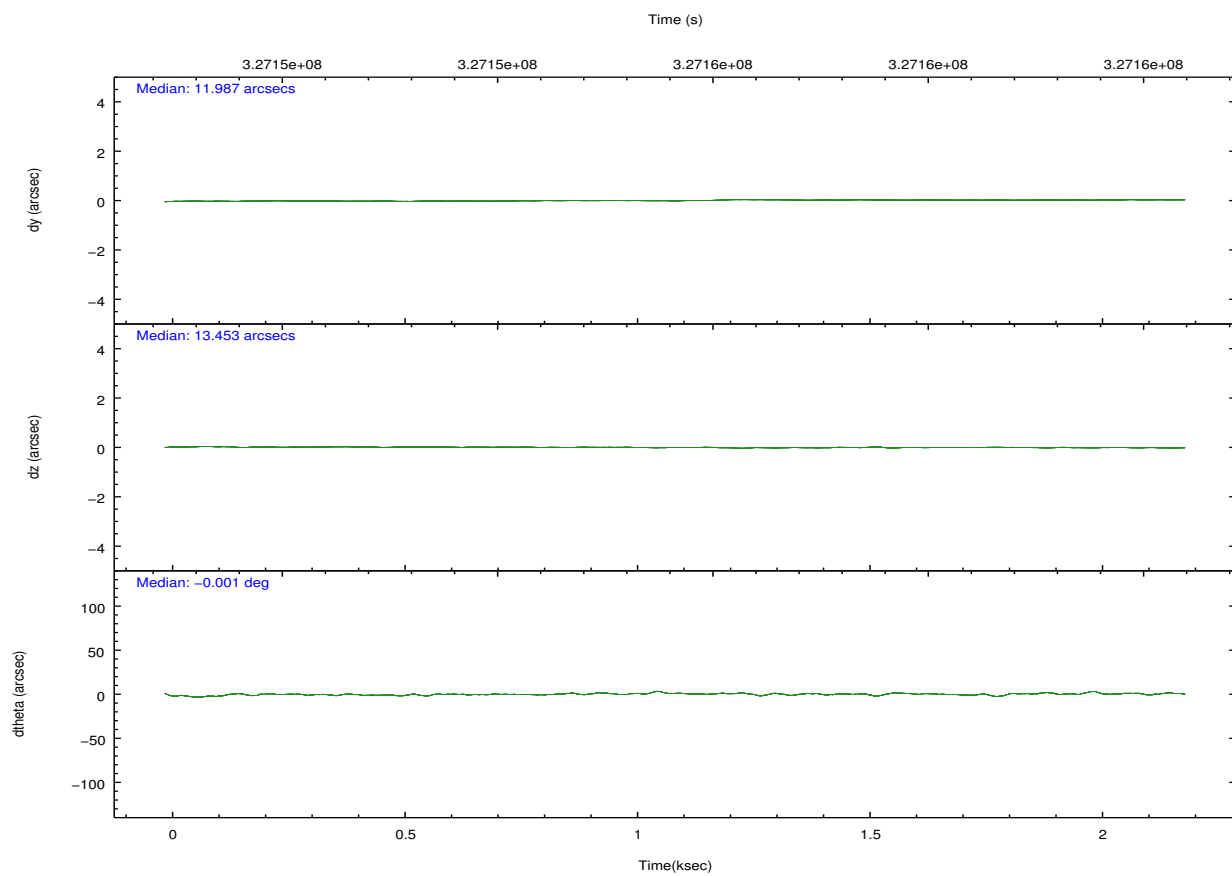
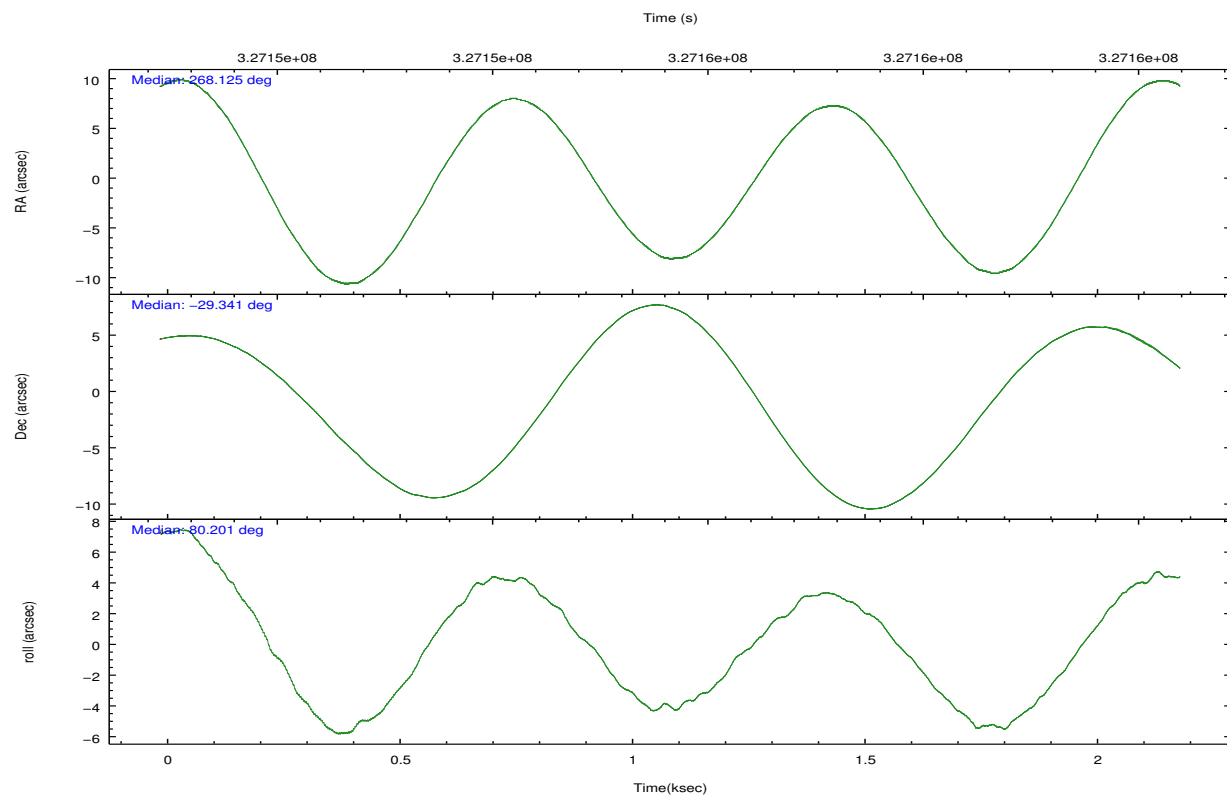
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1038	1220	1087	1143	1111
	5%	6%	5%	6%	5%
grade 1 events	16	9	5	12	34
	0%	0%	0%	0%	0%
grade 2 events	528	586	519	487	2136
	2%	3%	2%	2%	9%
grade 3 events	229	269	213	232	906
	1%	1%	1%	1%	4%
grade 4 events	229	248	226	205	924
	1%	1%	1%	1%	4%
grade 5 events	687	733	633	735	2263
	3%	3%	3%	3%	10%
grade 6 events	363	452	352	344	5163
	2%	2%	1%	1%	23%
grade 7 events	15028	14951	17565	15290	9575
	82%	80%	85%	82%	43%

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	268.135773	268.1248028950133	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.366844	-29.34089532280802	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004483	80.20780760383842	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)	327154002.184000	327153625.94262	CCD S5 on	N	N
Observation start date	2008-05-14T12:05:37	2008-05-14T12:00:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327156001.184000	327156235.08025	On-chip summing requested	N	N
Observation end date	2008-05-14T12:38:56	2008-05-14T12:43:55	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



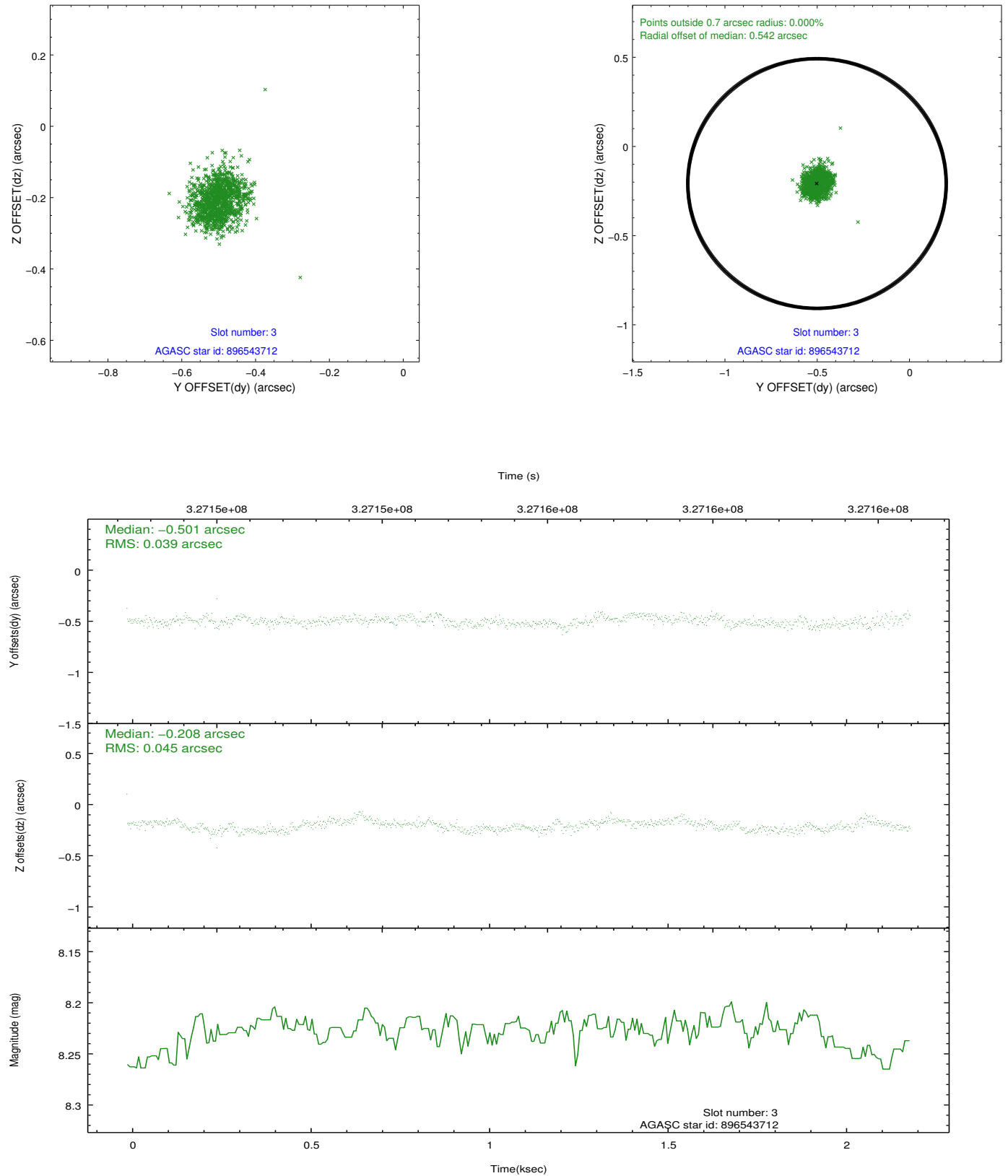


Slot Statistics

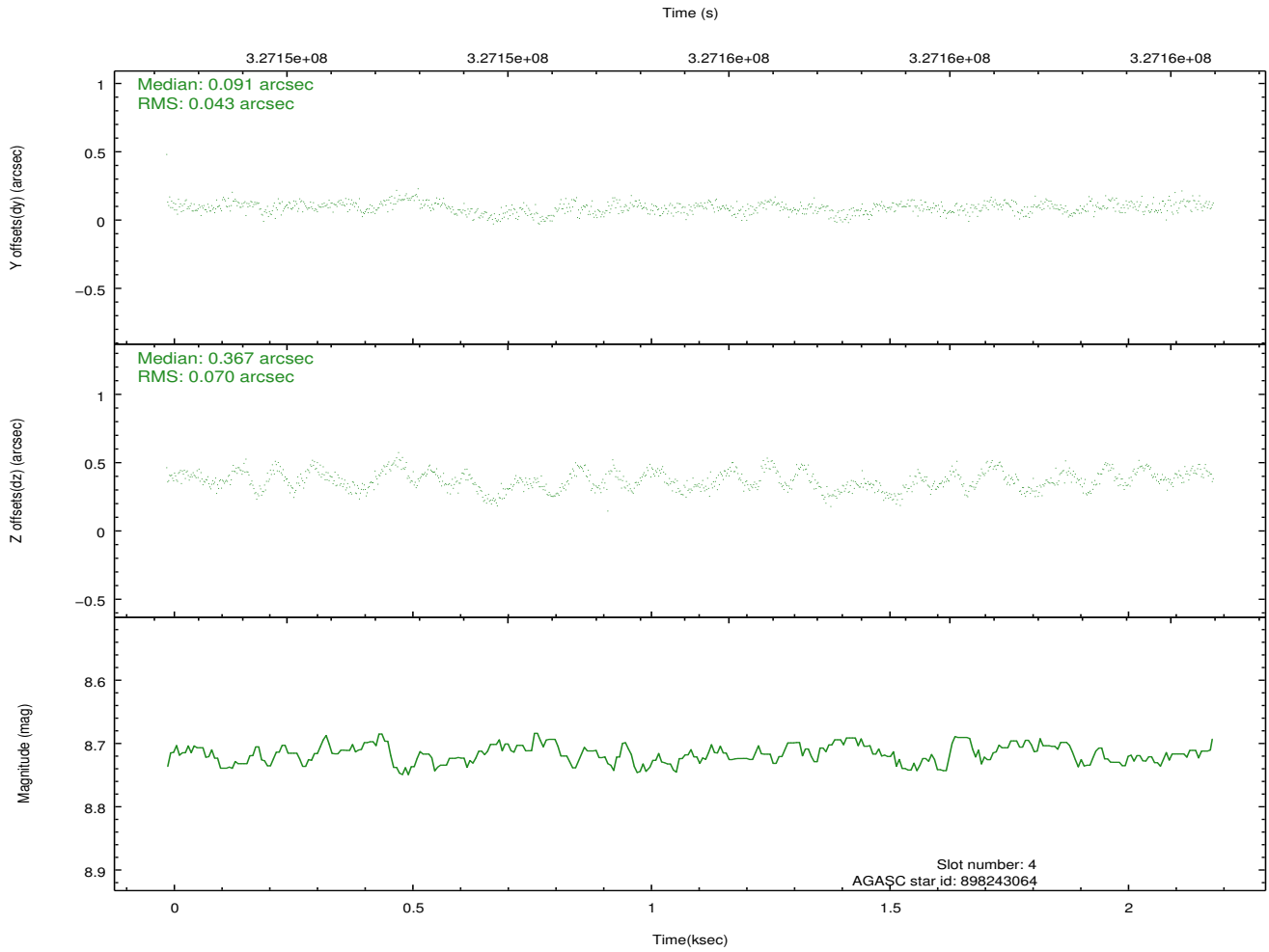
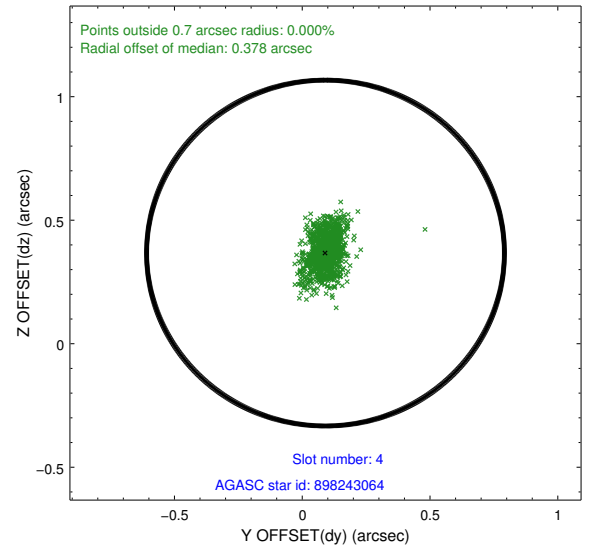
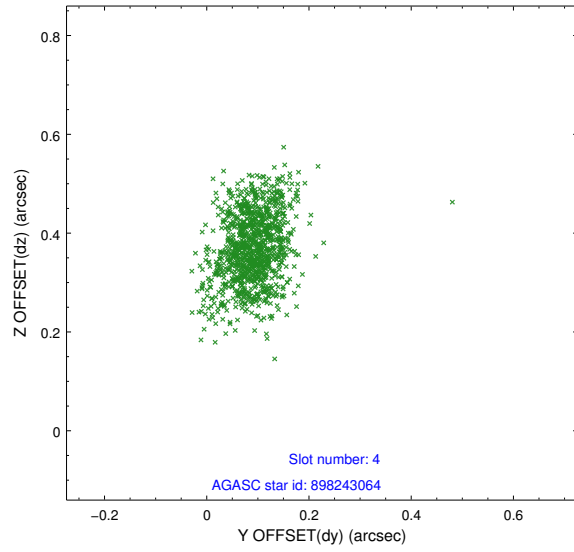
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	536	-0.054	0.073	0.009	0.016	0.000000	0.000000	927.48	-836.96
1	FID	ACIS-I-2	6.98	536	-0.124	-0.074	0.007	0.012	0.000000	0.000000	-765.03	-844.99
2	FID	ACIS-I-4	7.00	534	0.079	0.069	0.007	0.012	0.000000	0.000000	2146.18	1061.31
3	GUIDE	896543712	8.23	1071	-0.501	-0.208	0.062	0.097	267.764551	-28.659720	2300.49	1596.68
4	GUIDE	898243064	8.72	1070	0.091	0.367	0.087	0.144	268.852106	-29.678564	-721.15	-2400.64
5	GUIDE	898247688	8.63	1070	0.098	0.059	0.070	0.116	268.426687	-29.012154	1414.33	-682.43
6	GUIDE	898248800	8.22	1070	0.186	0.065	0.053	0.087	267.977609	-29.931731	-2087.73	132.26
7	GUIDE	896540528	8.27	1070	0.135	-0.284	0.079	0.127	267.368305	-29.314773	-243.99	2403.22

2.4 Star Slots

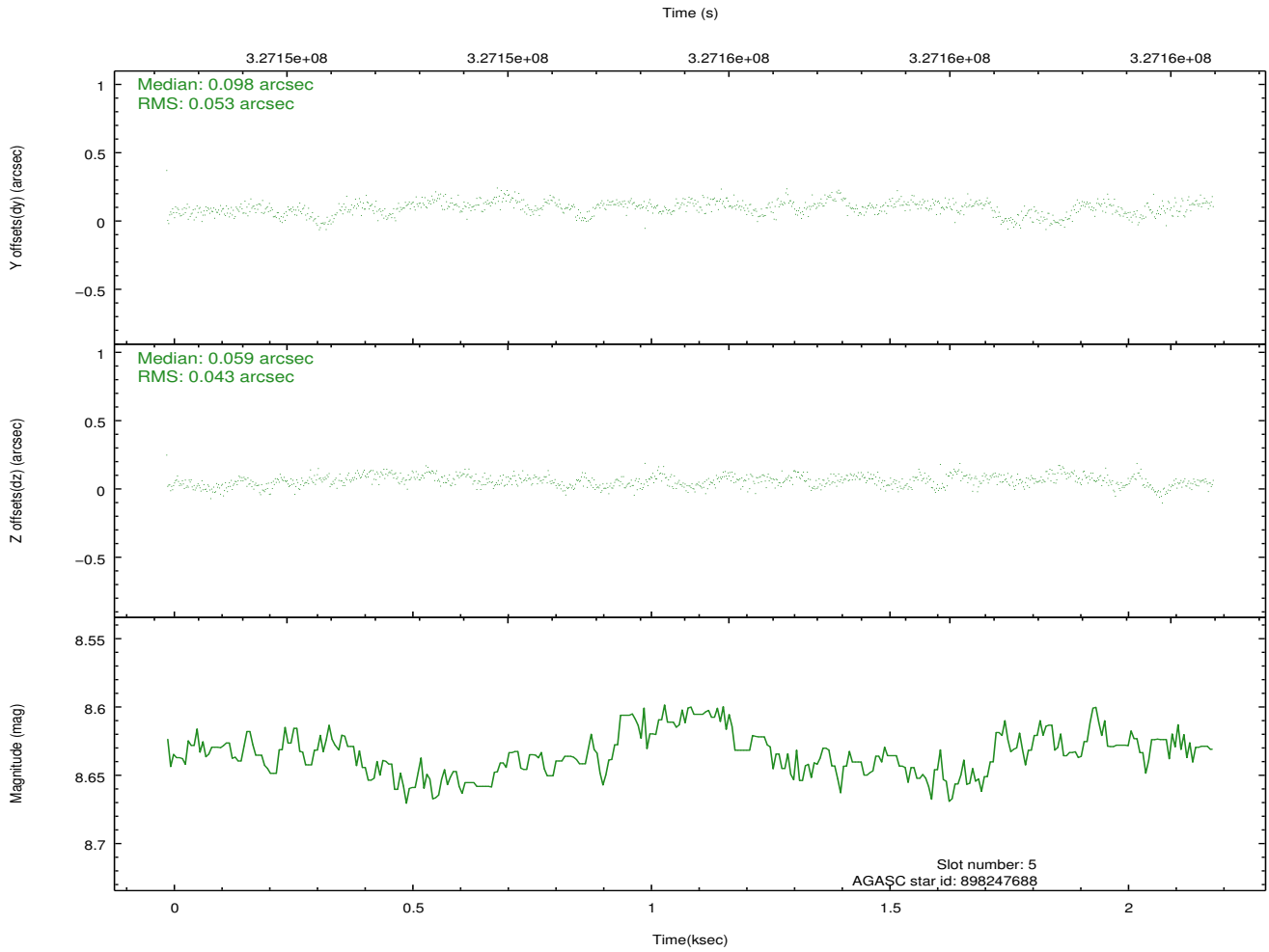
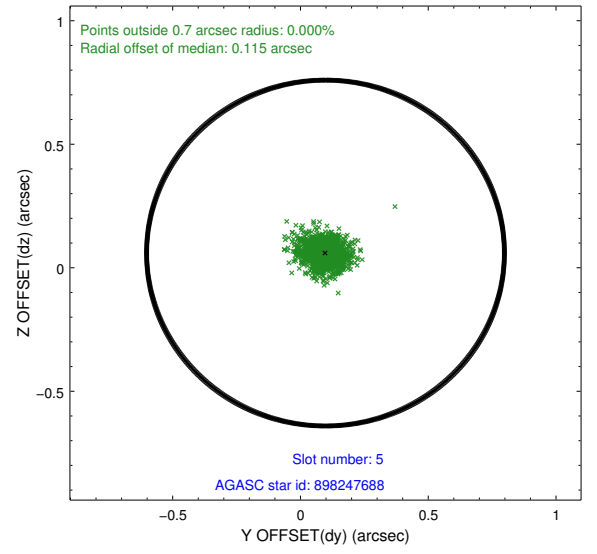
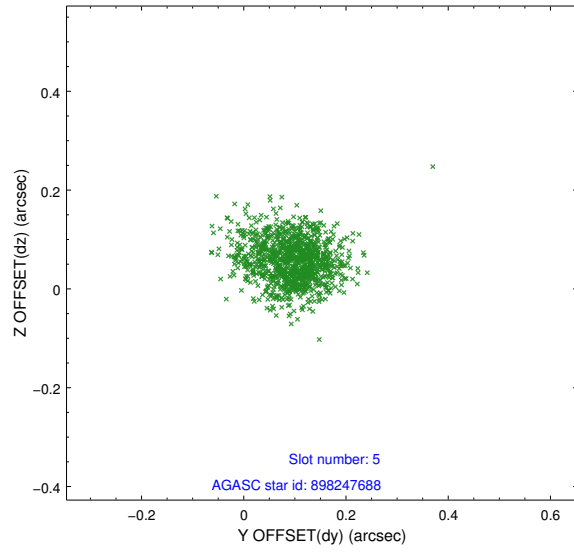
2.4.1 Slot 3



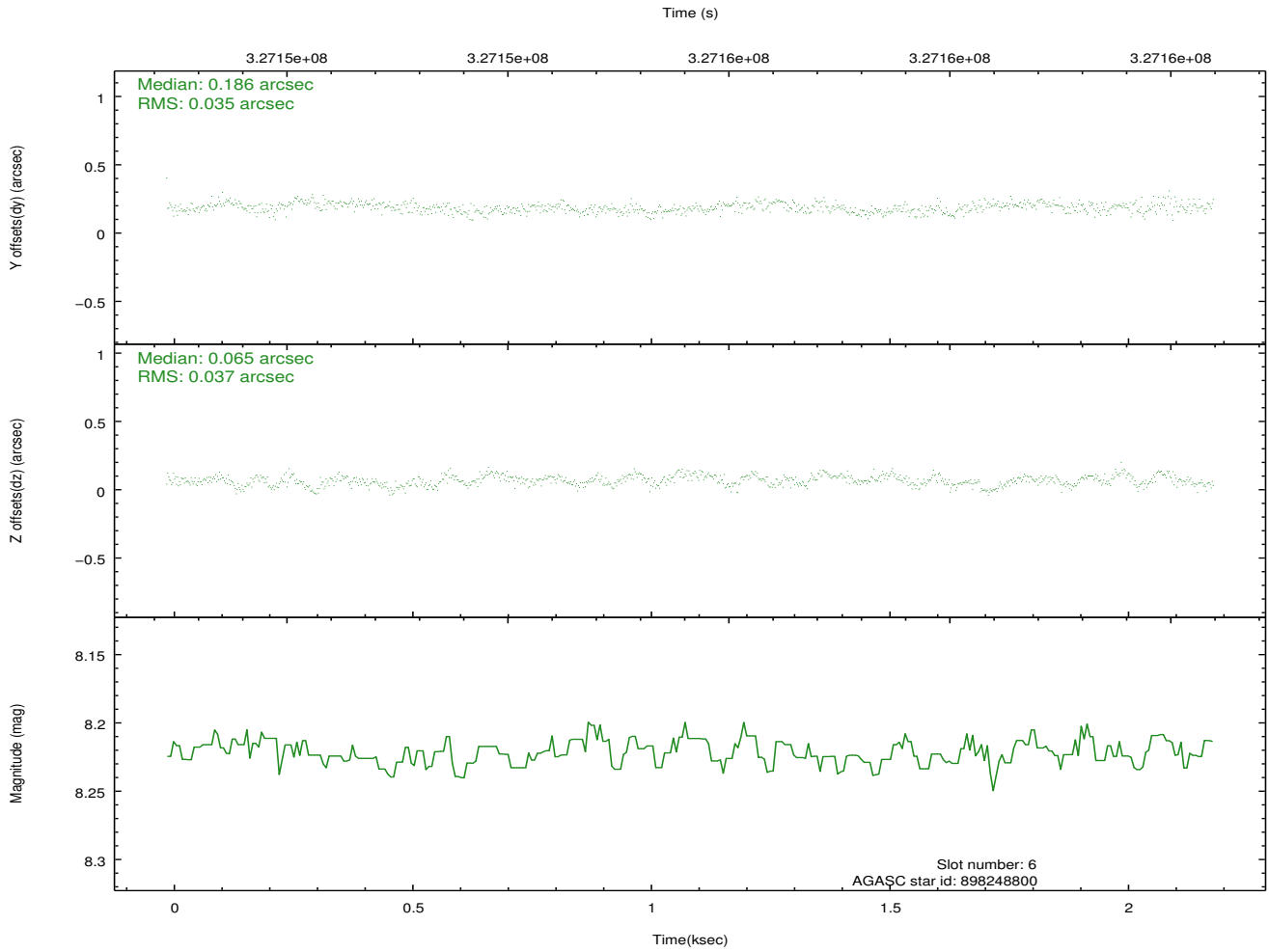
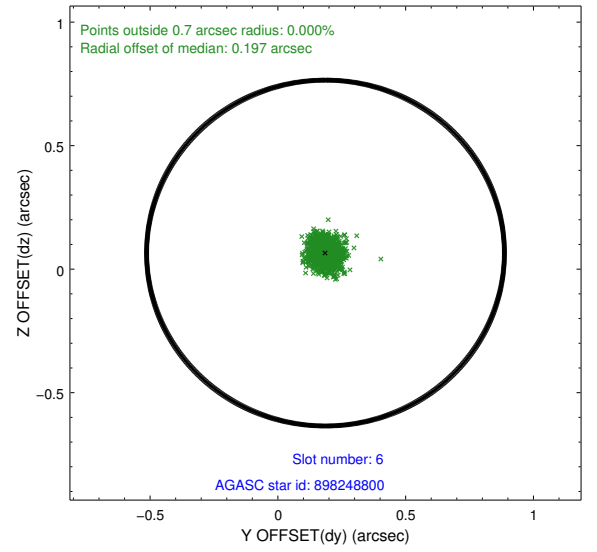
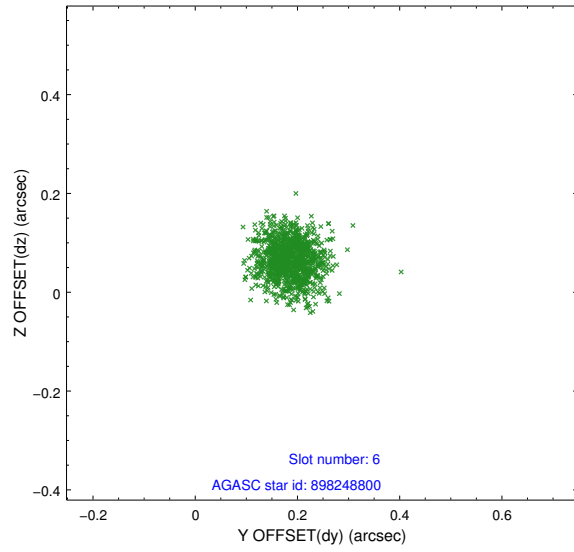
2.4.2 Slot 4



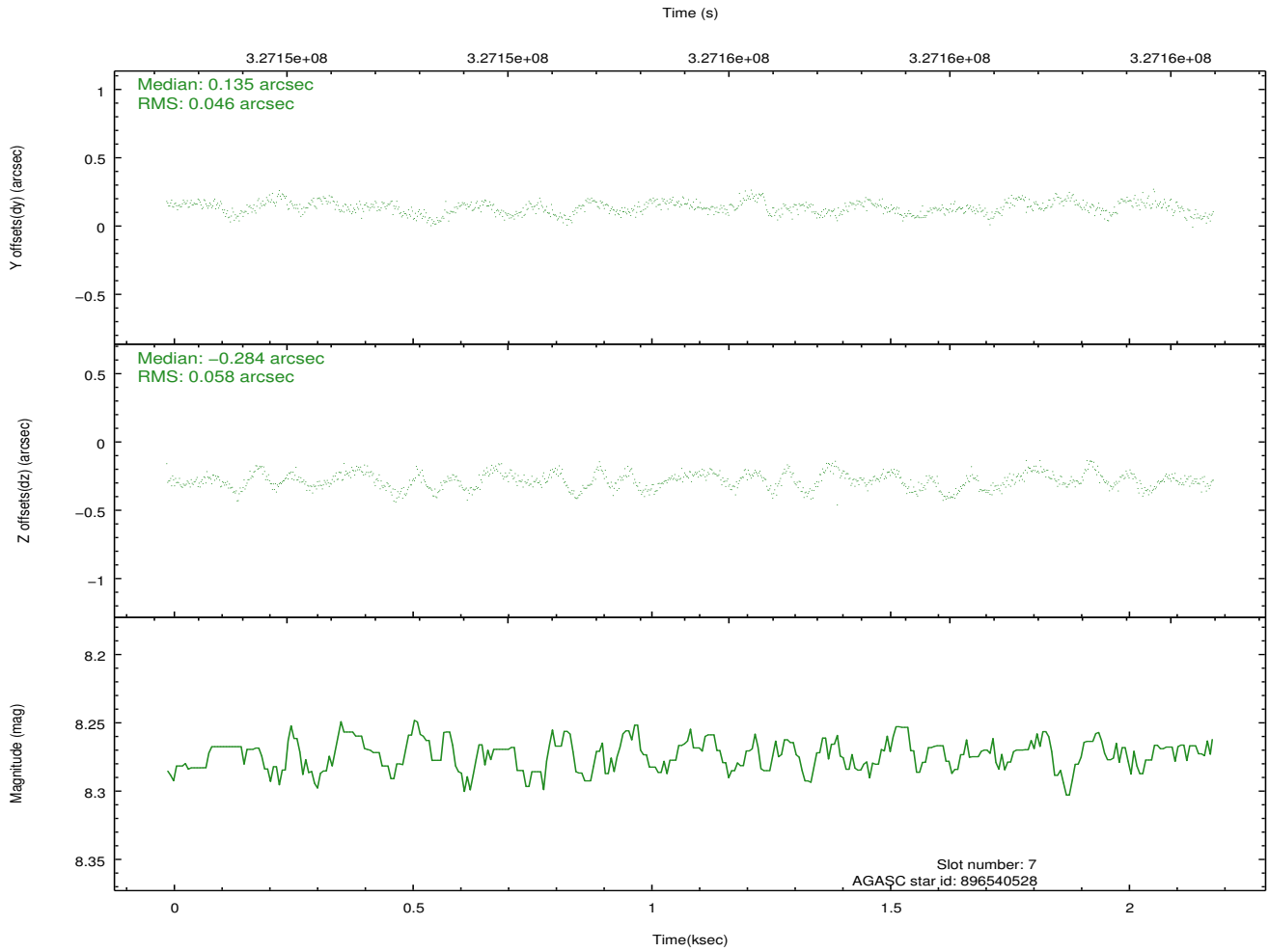
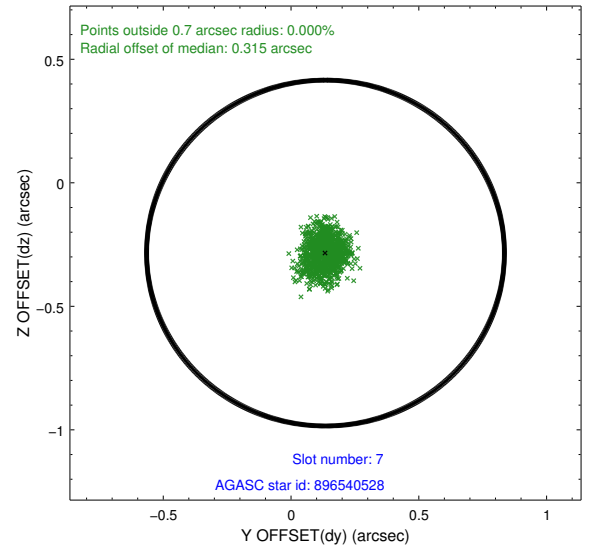
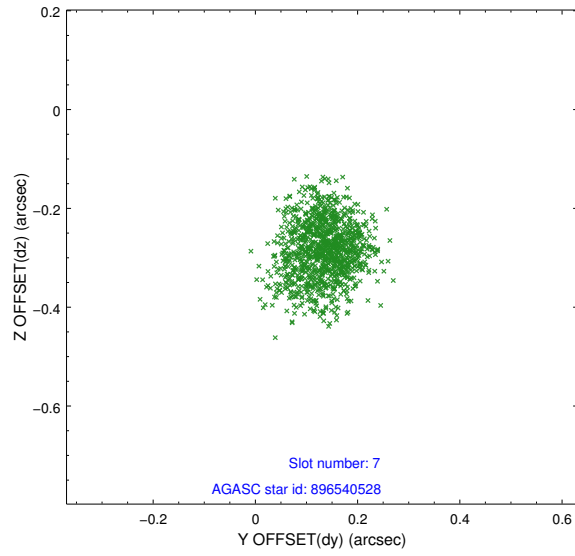
2.4.3 Slot 5



2.4.4 Slot 6

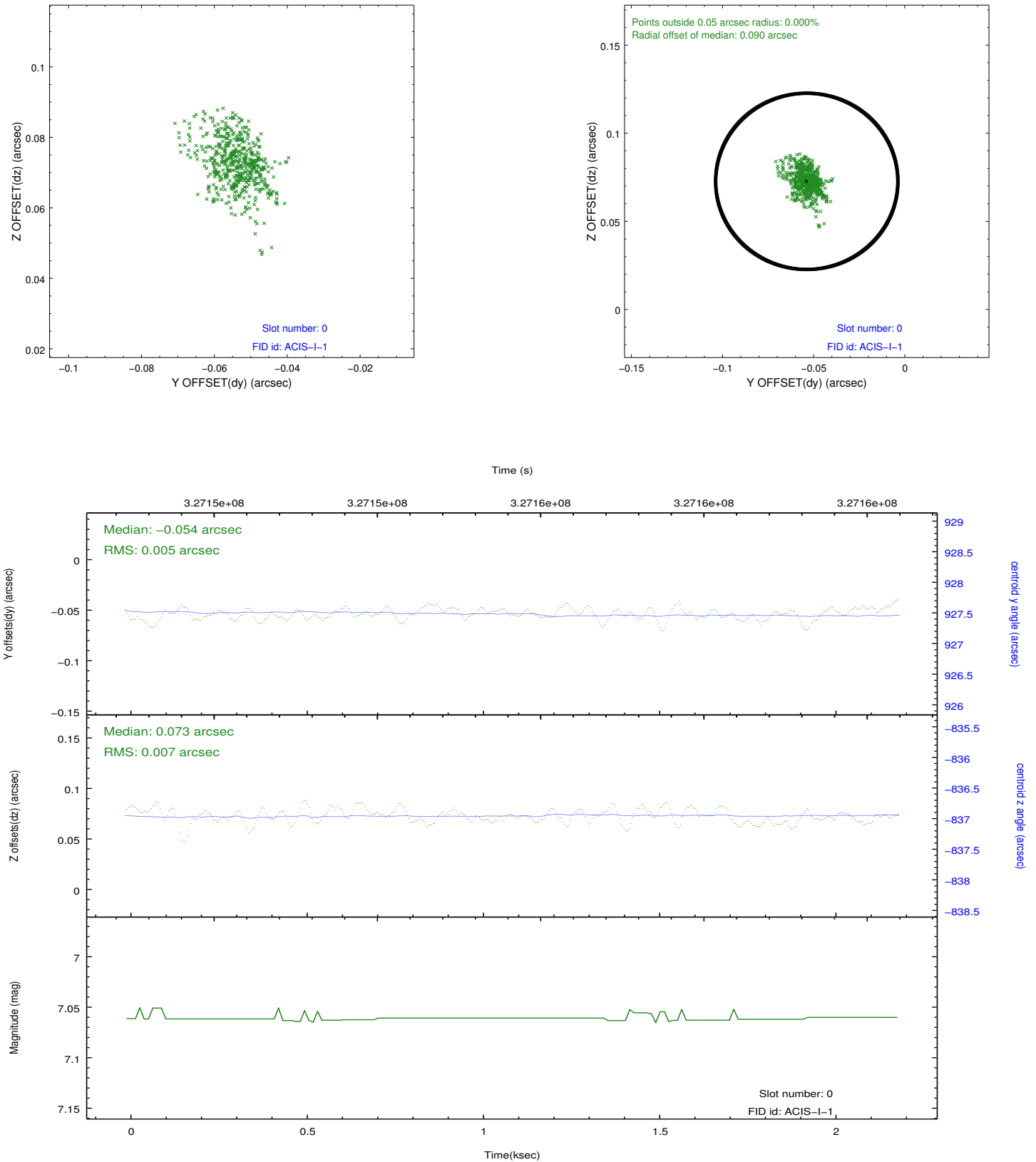


2.4.5 Slot 7

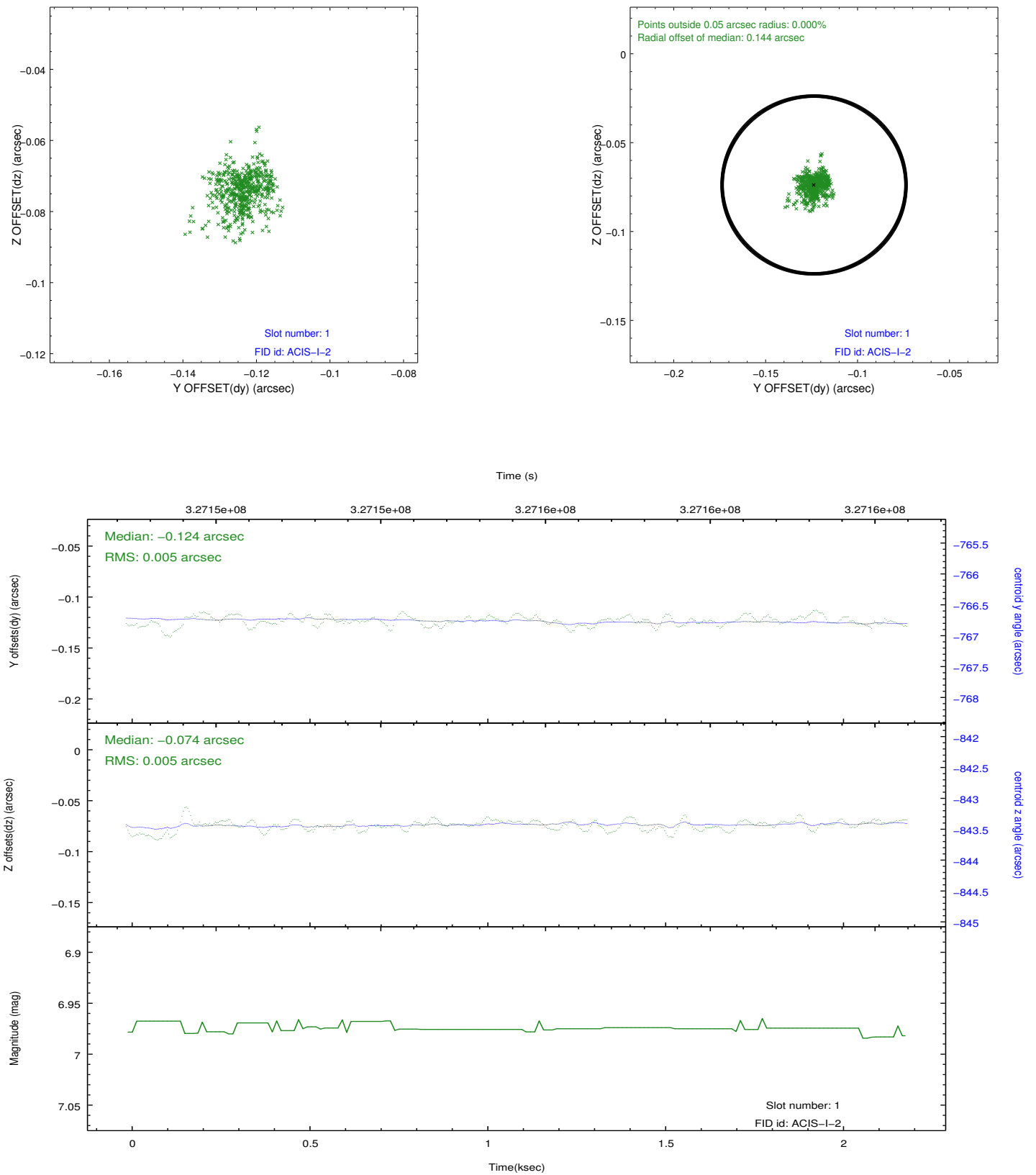


2.5 FID Slots

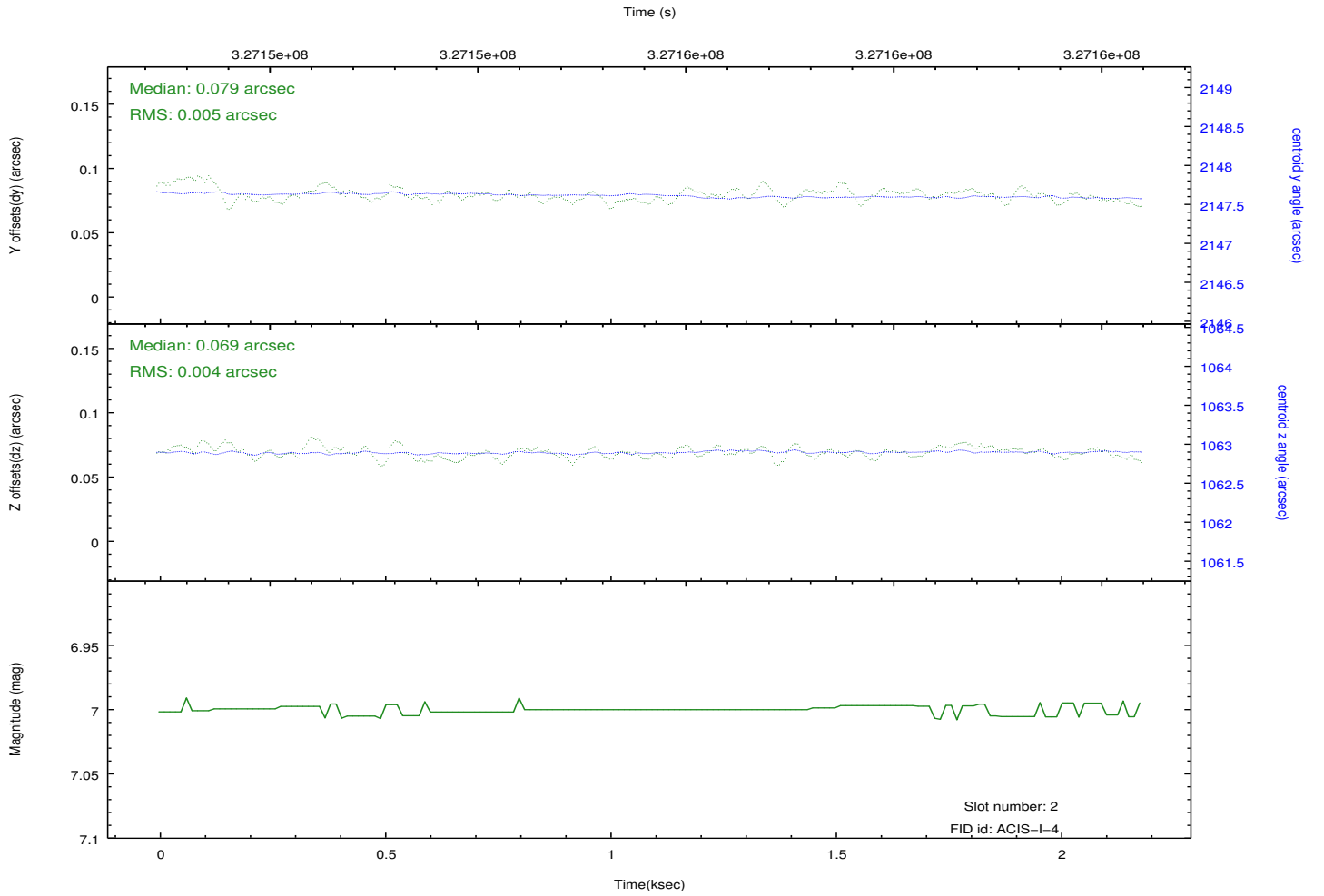
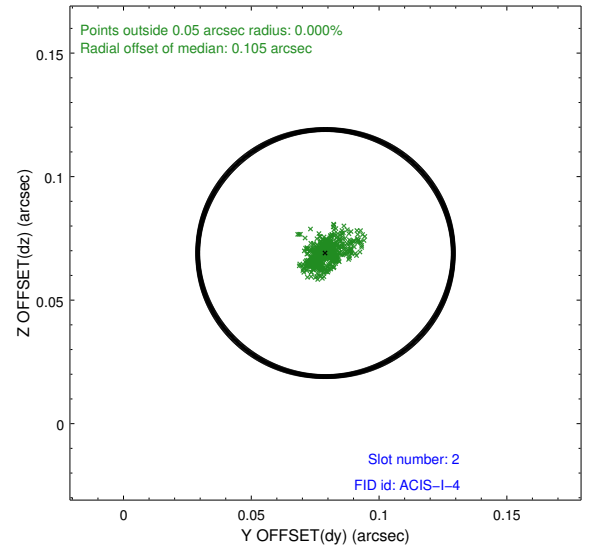
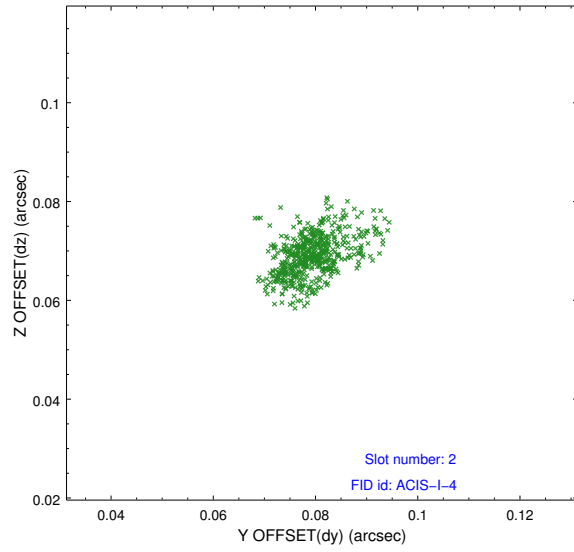
2.5.1 Slot 0



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	2.18550001

A.2 Comments

Joint proposal with NOAO.