

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8723 - L2 Version 2
Chandra X-Ray Center

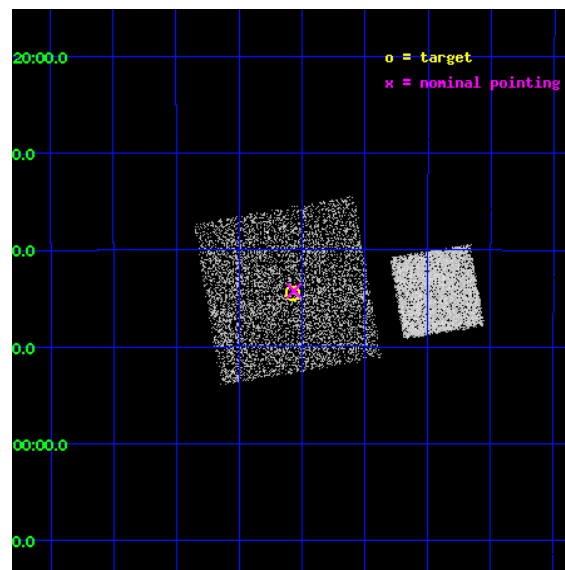
L2 Processing Date : May 14 2012

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1 Front

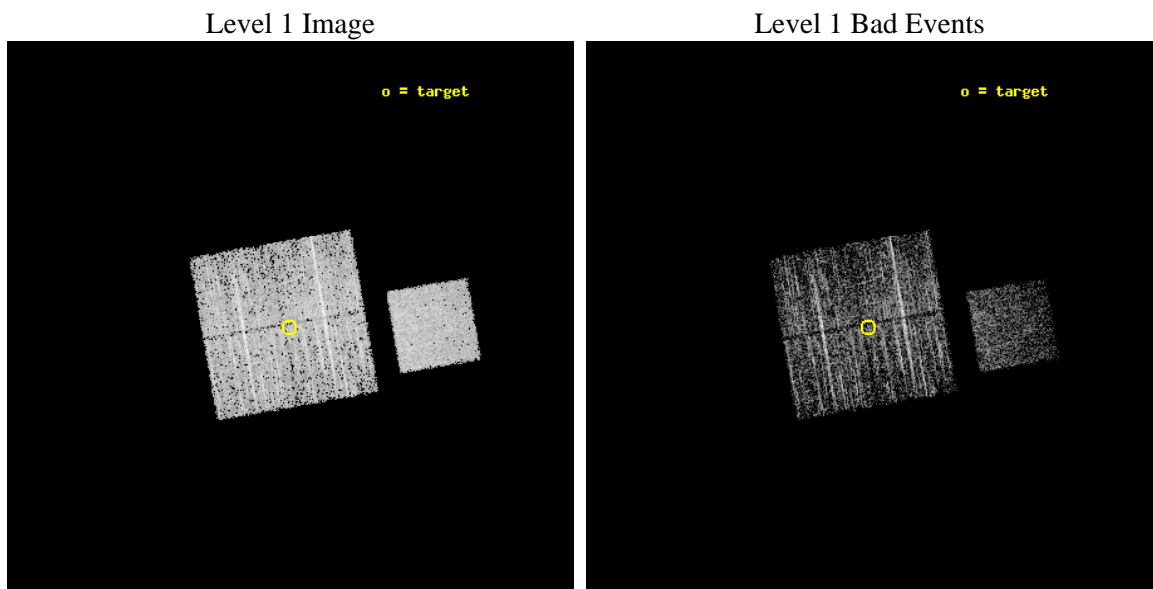
seq_num	400774	Sequence number
obs_id	8723	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.268365	Observer's specified target RA [deg]
dec_targ	-28.742204	Observer's specified target Dec [deg]
ra_nom	268.26644131608	Nominal RA [deg]
dec_nom	-28.737313587492	Nominal Dec [deg]
roll_nom	80.207760599001	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2185.5000168085	Sum of GTIs [s]
ontime1	2185.5000168085	Sum of GTIs [s]
ontime2	2182.3590365052	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
ontime7	2185.5000168085	Sum of GTIs [s]
l2events	16670	Number of level 2 events



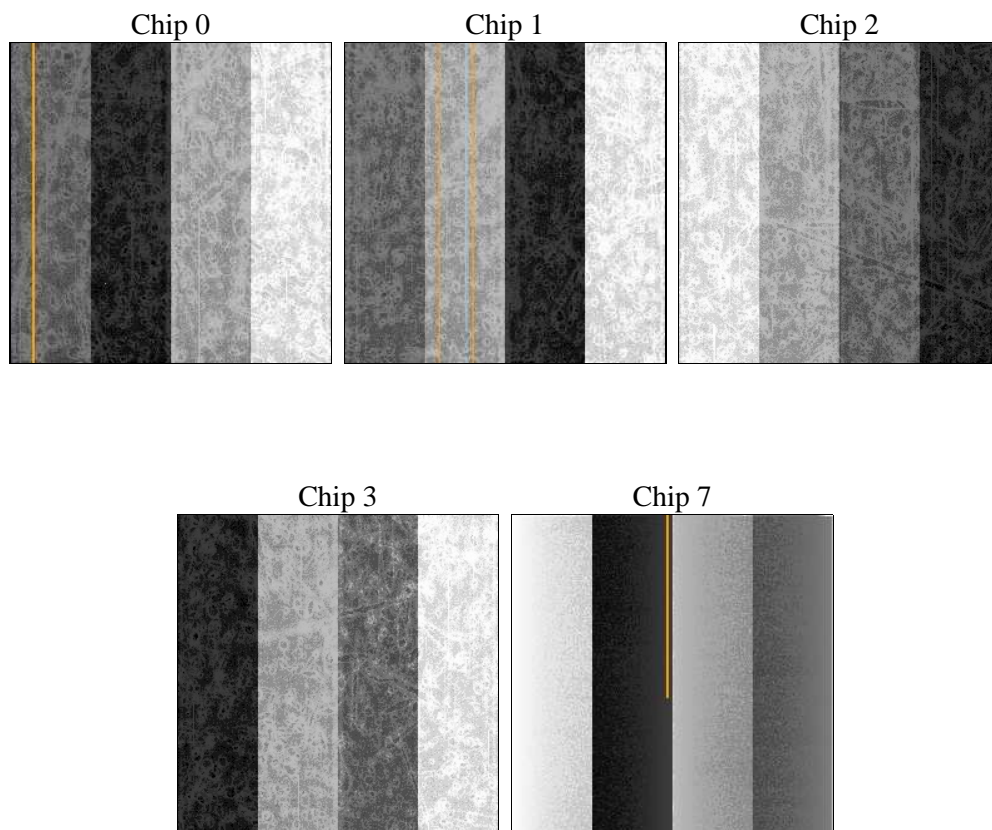
2 OBI

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	2185.5000168085	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-05-14T20:45:36	Date and time of file creation	ontime1	2185.5000168085	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.3590365052	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			ontime7	2185.5000168085	Sum of GTIs [s]
			l1events	104108	Number of level 1 events

2.1.4 Events

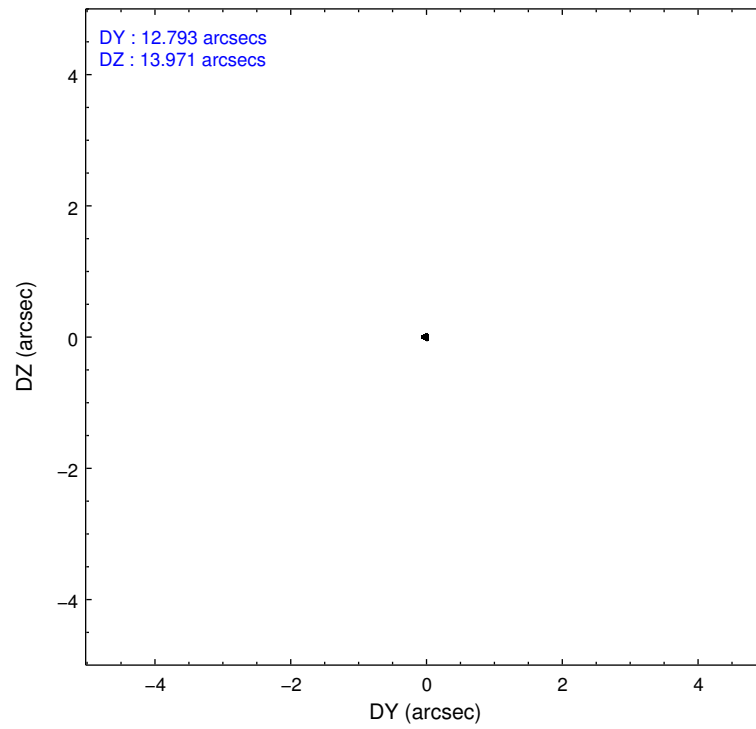
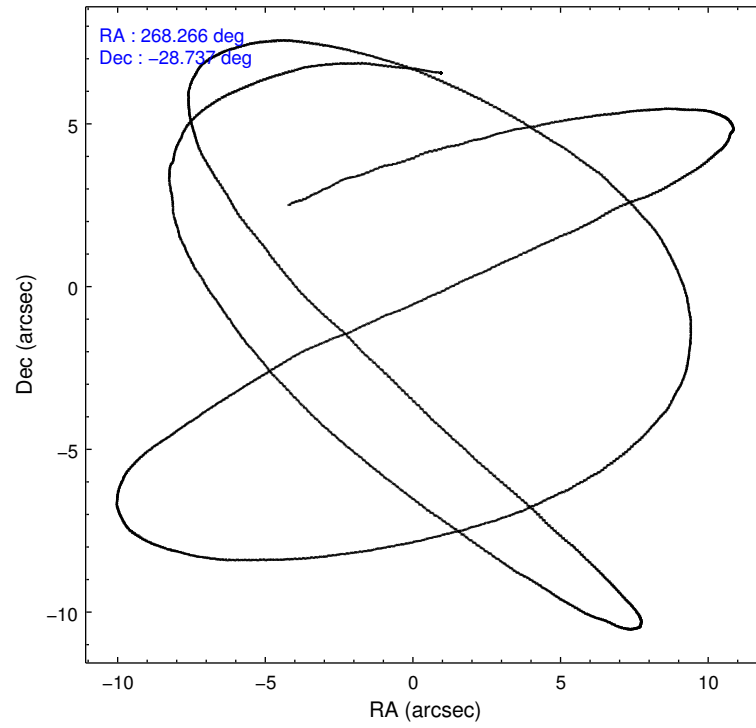
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18706	20250	21596	20463	23093
rejected events	16508	17933	19505	18352	13526
rejected %	88%	88%	90%	89%	58%

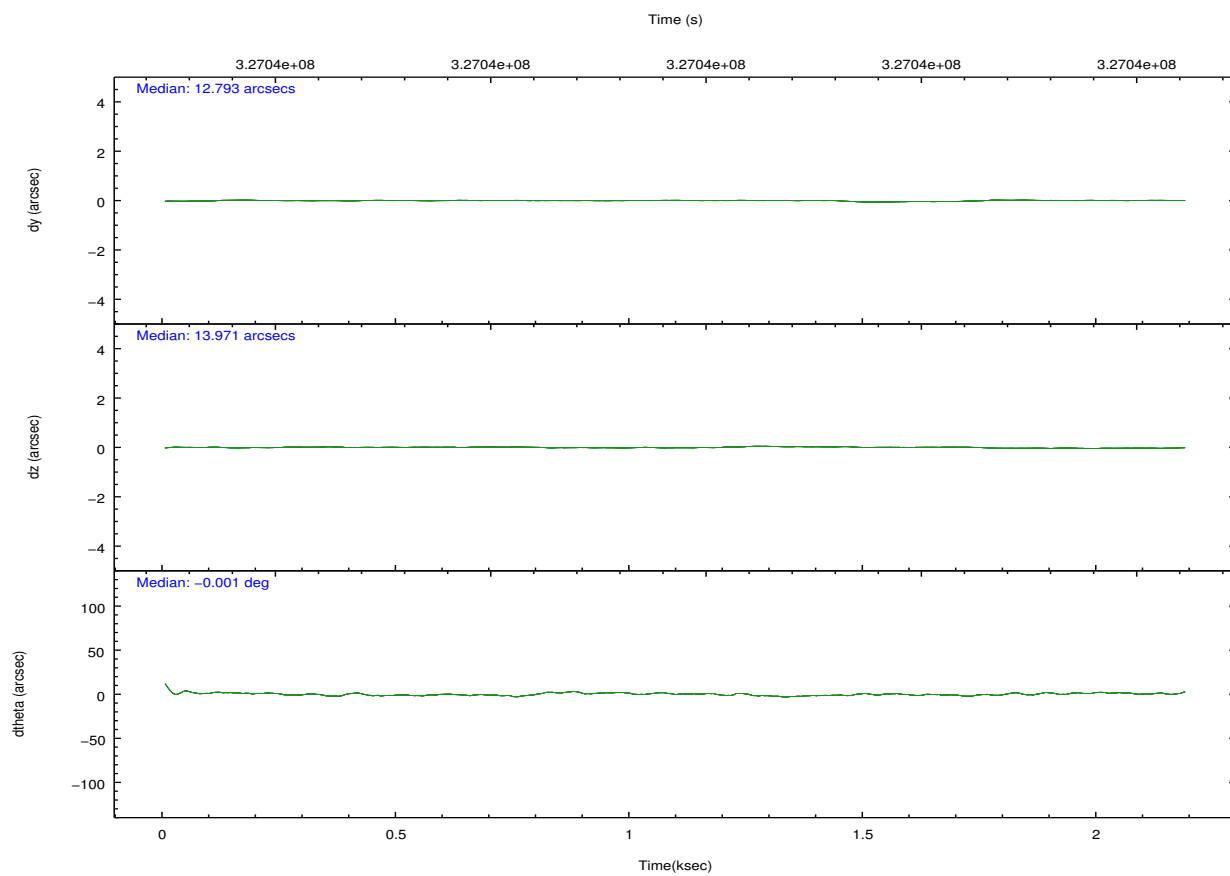
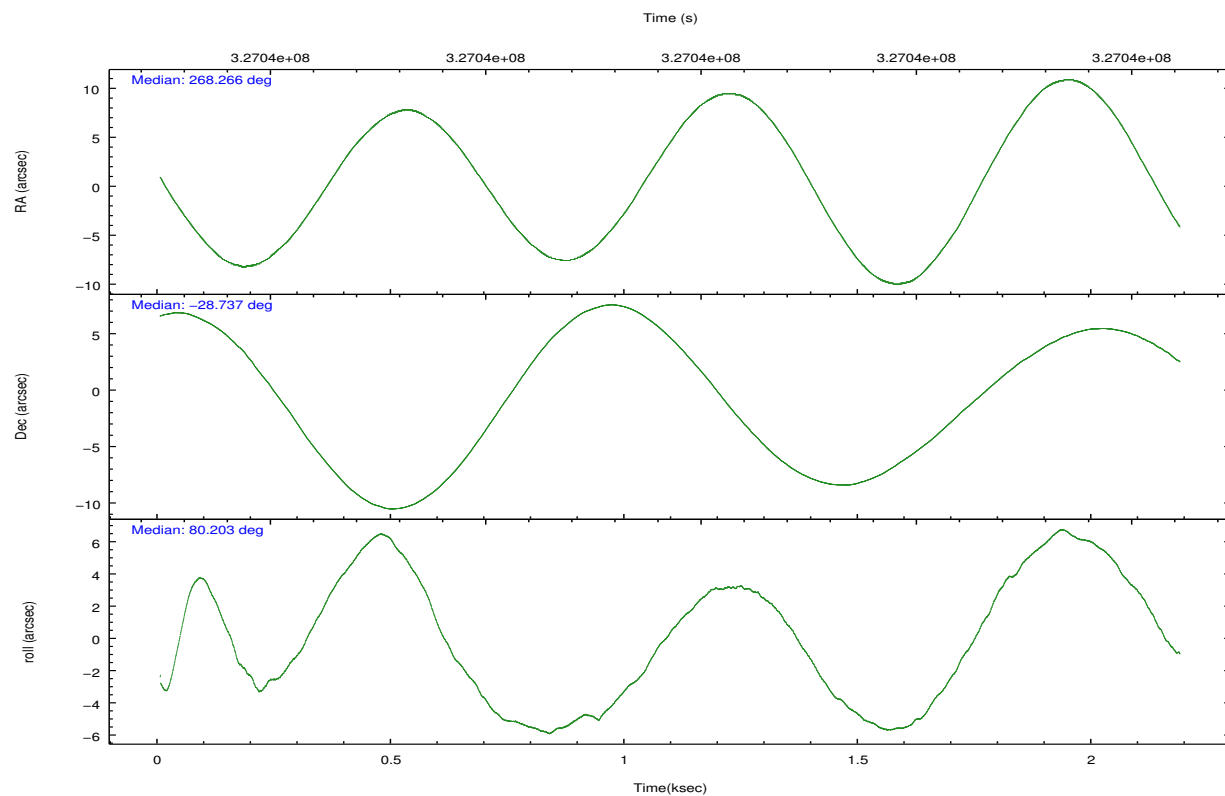
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1128	1163	1116	1147	1133
	6%	5%	5%	5%	4%
grade 1 events	11	25	14	13	30
	0%	0%	0%	0%	0%
grade 2 events	542	508	488	461	2319
	2%	2%	2%	2%	10%
grade 3 events	255	259	217	241	1038
	1%	1%	1%	1%	4%
grade 4 events	223	226	238	209	1027
	1%	1%	1%	1%	4%
grade 5 events	680	774	652	792	2356
	3%	3%	3%	3%	10%
grade 6 events	375	490	387	383	5422
	2%	2%	1%	1%	23%
grade 7 events	15492	16805	18484	17217	9768
	82%	82%	85%	84%	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	268.277448	268.2664413160776	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.763239	-28.7373135874921	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004372	80.20776059900079	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)	327036032.184000	327035655.61187	CCD S5 on	N	N
Observation start date	2008-05-13T03:19:27	2008-05-13T03:14:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327038032.184000	327038165.83699	On-chip summing requested	N	N
Observation end date	2008-05-13T03:52:47	2008-05-13T03:56:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



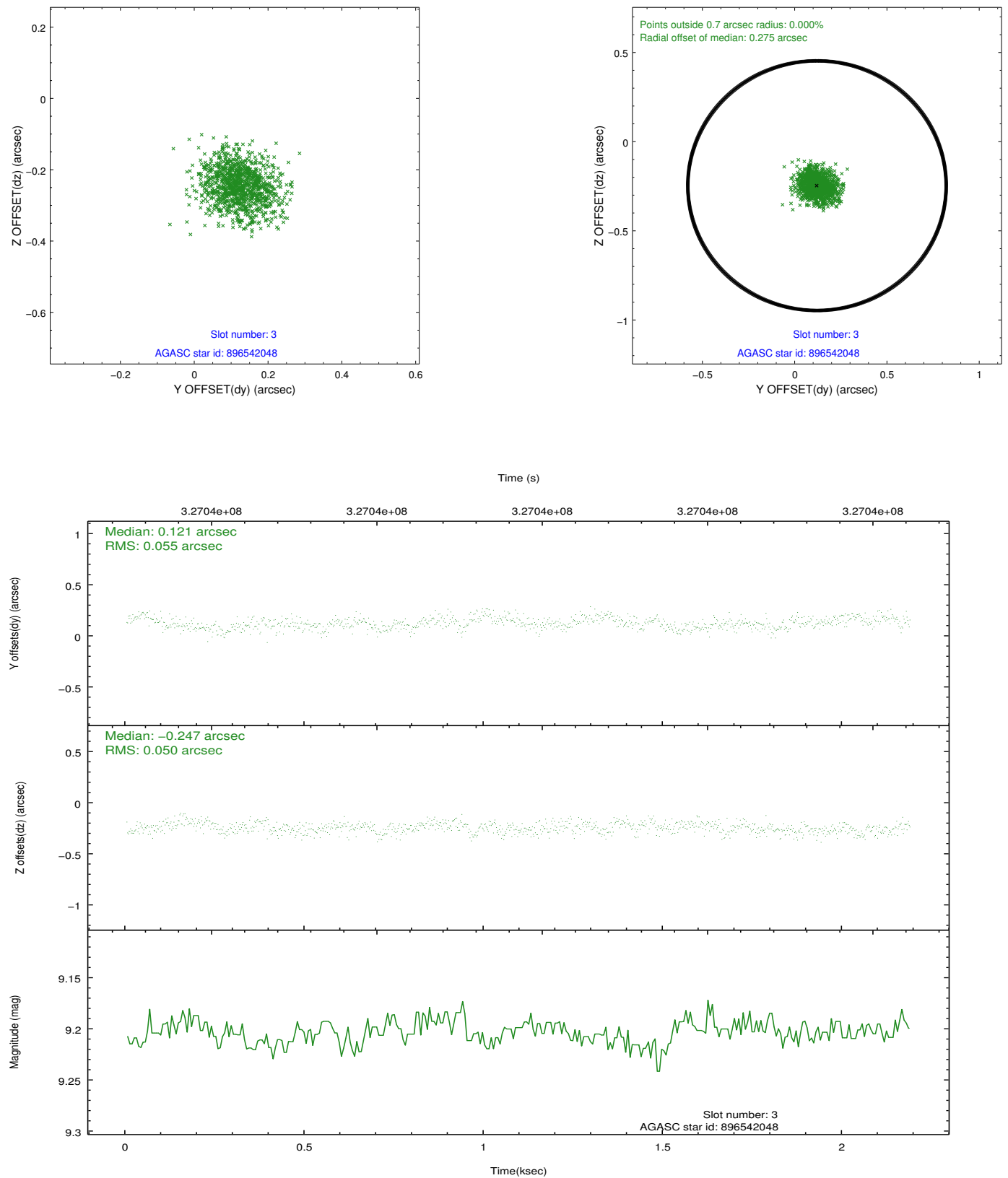


Slot Statistics

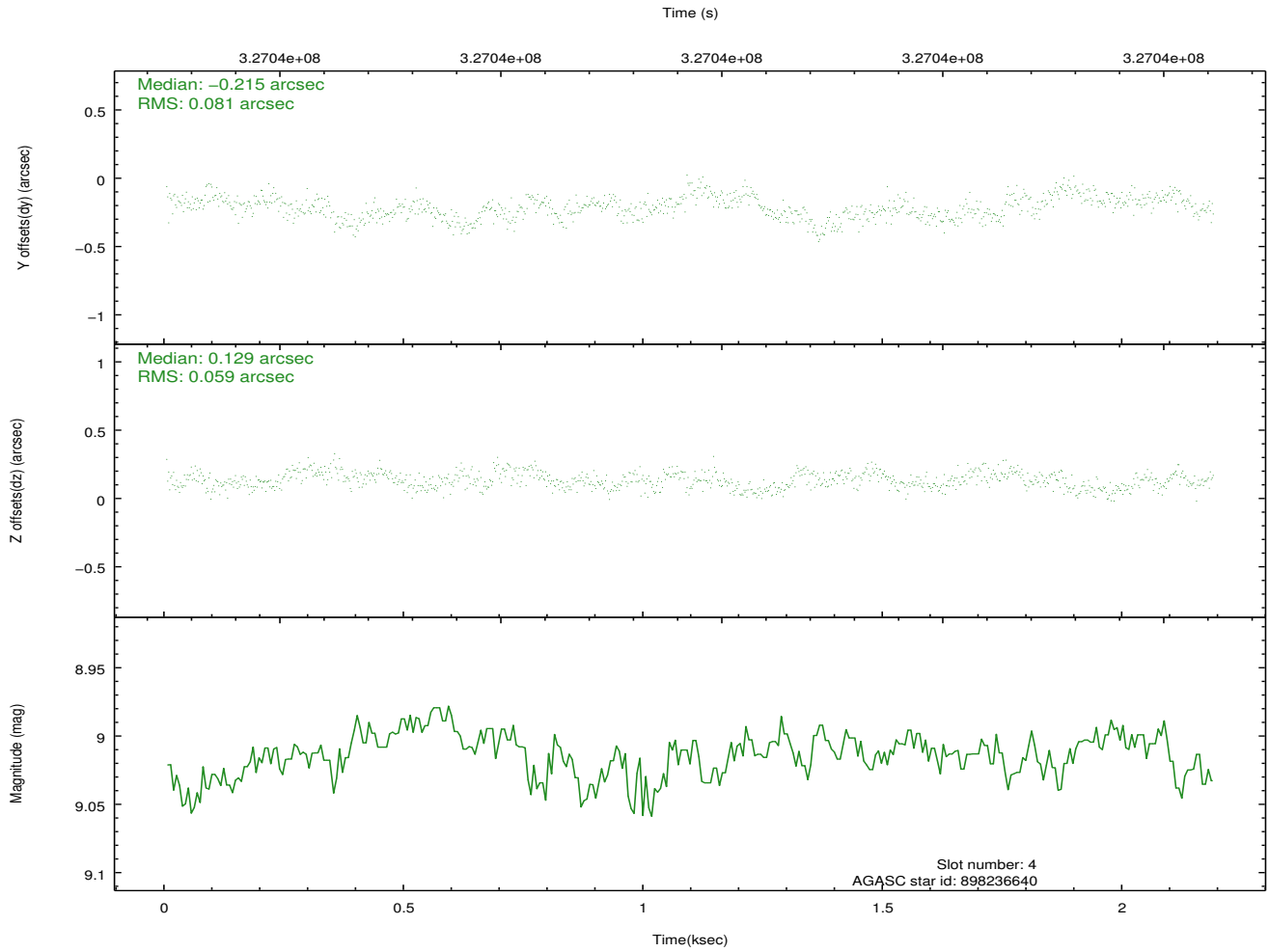
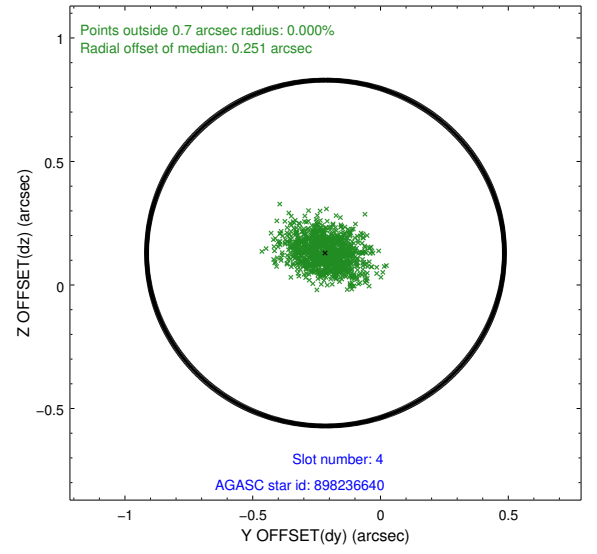
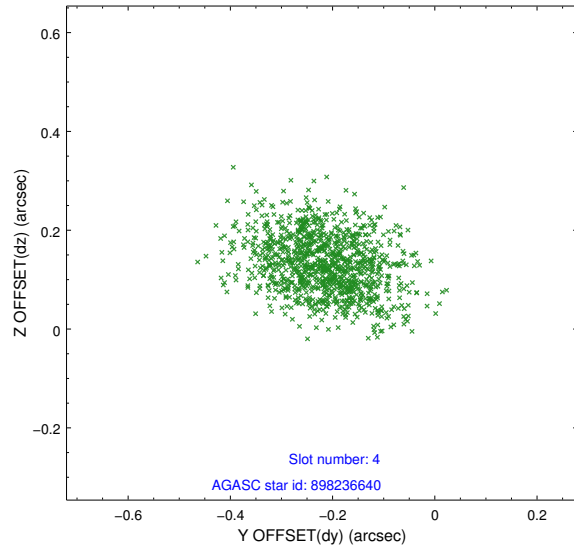
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	533	-0.065	0.087	0.014	0.020	0.000000	0.000000	926.66	-837.46
1	FID	ACIS-I-2	6.93	533	-0.145	-0.100	0.013	0.018	0.000000	0.000000	-765.86	-845.57
2	FID	ACIS-I-4	6.96	533	0.108	0.080	0.010	0.018	0.000000	0.000000	2145.38	1060.82
3	GUIDE	896542048	9.20	1066	0.121	-0.247	0.080	0.126	267.742937	-29.132026	-1603.32	1423.82
4	GUIDE	898236640	9.01	1066	-0.215	0.129	0.105	0.179	268.893541	-28.185549	2380.25	-1563.43
5	GUIDE	898238128	7.71	1067	-0.188	0.016	0.079	0.119	268.450740	-28.688500	361.33	-493.79
6	GUIDE	898243552	8.72	1067	0.174	0.065	0.074	0.117	267.970066	-28.622317	329.88	1044.03
7	GUIDE	898247688	8.66	1065	0.116	0.033	0.075	0.122	268.426687	-29.012154	-801.08	-617.40

2.4 Star Slots

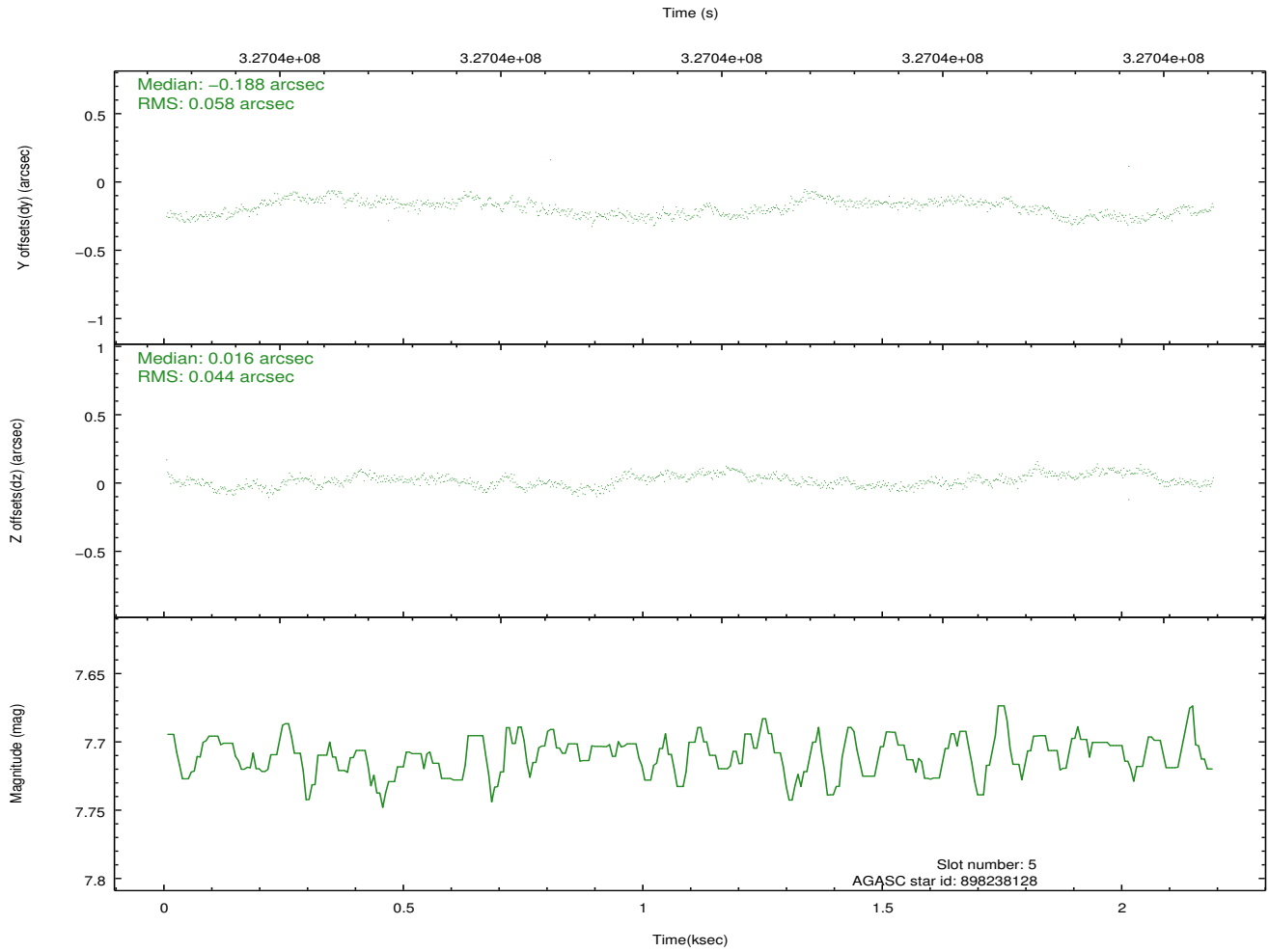
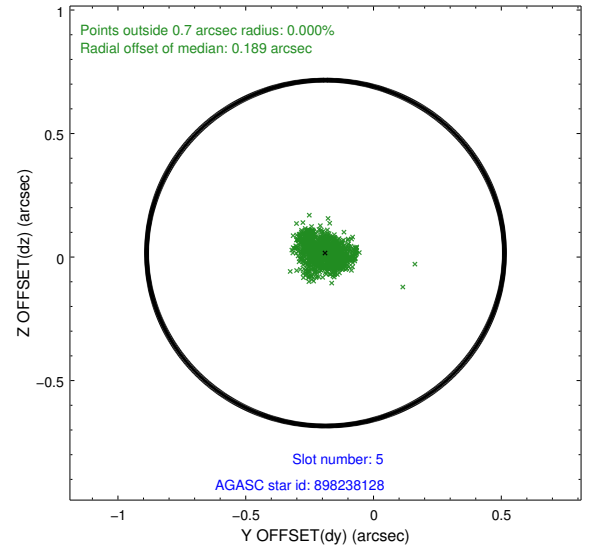
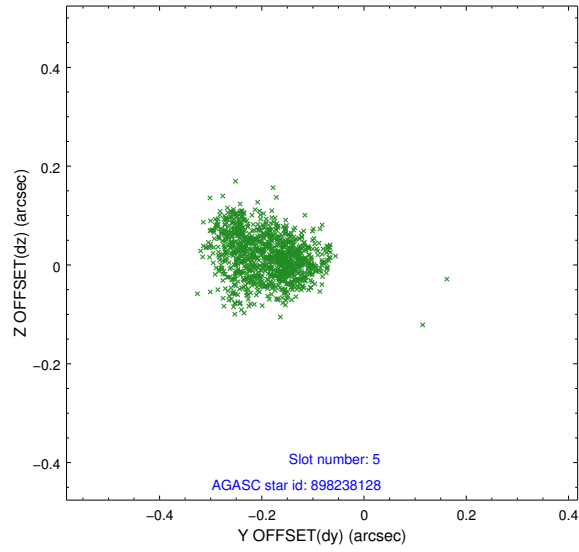
2.4.1 Slot 3



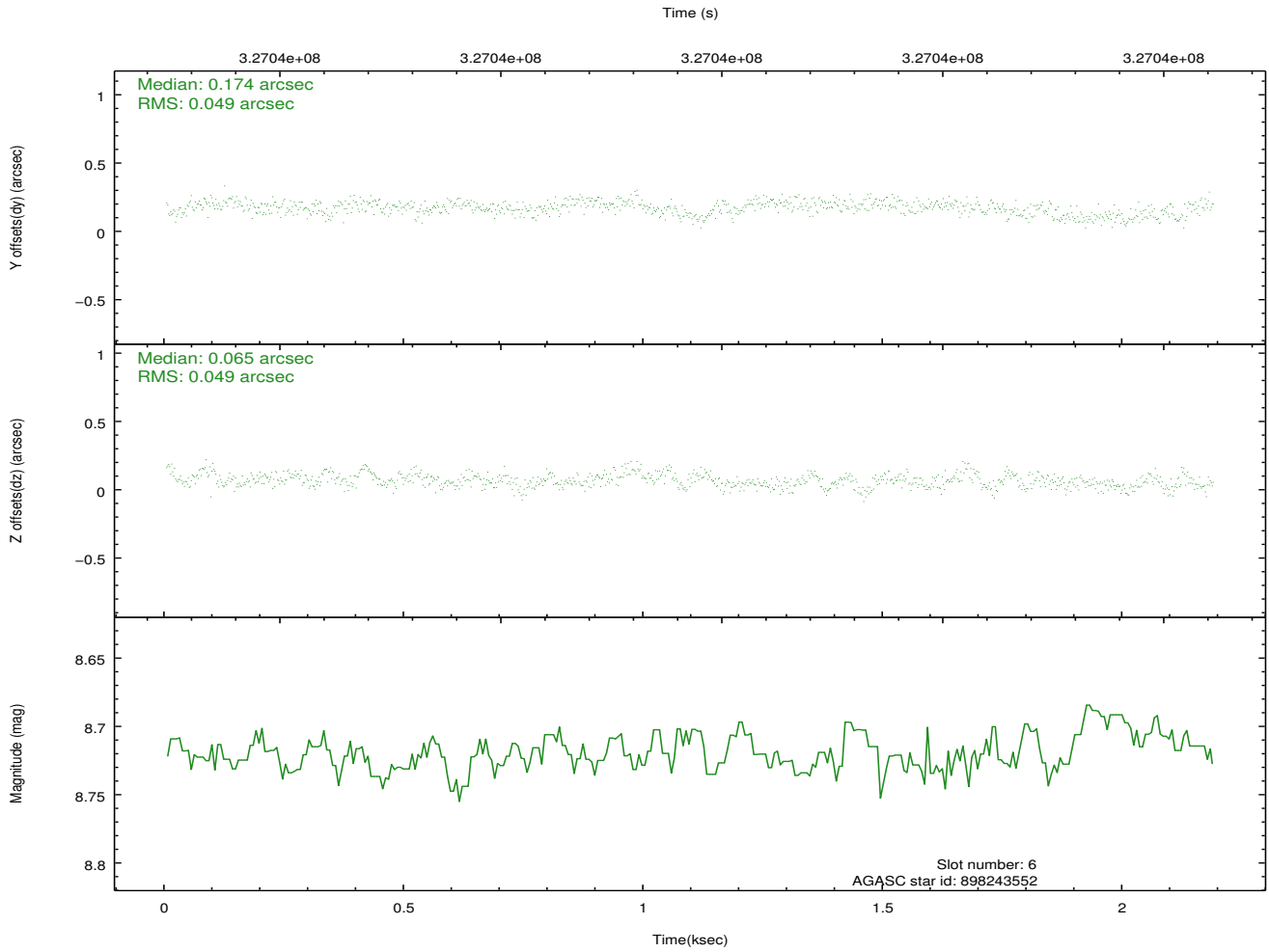
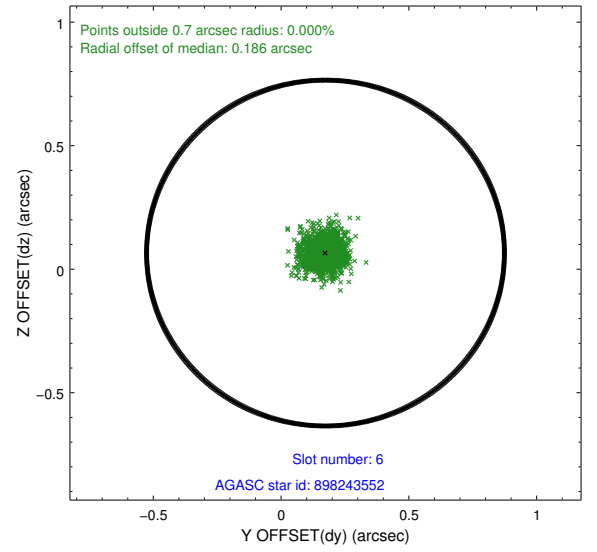
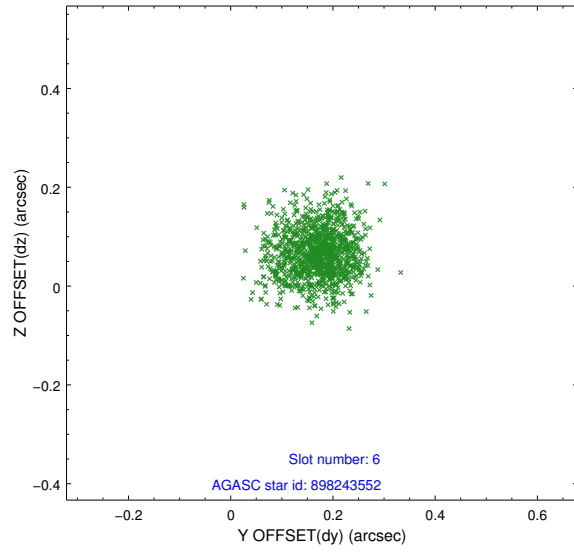
2.4.2 Slot 4



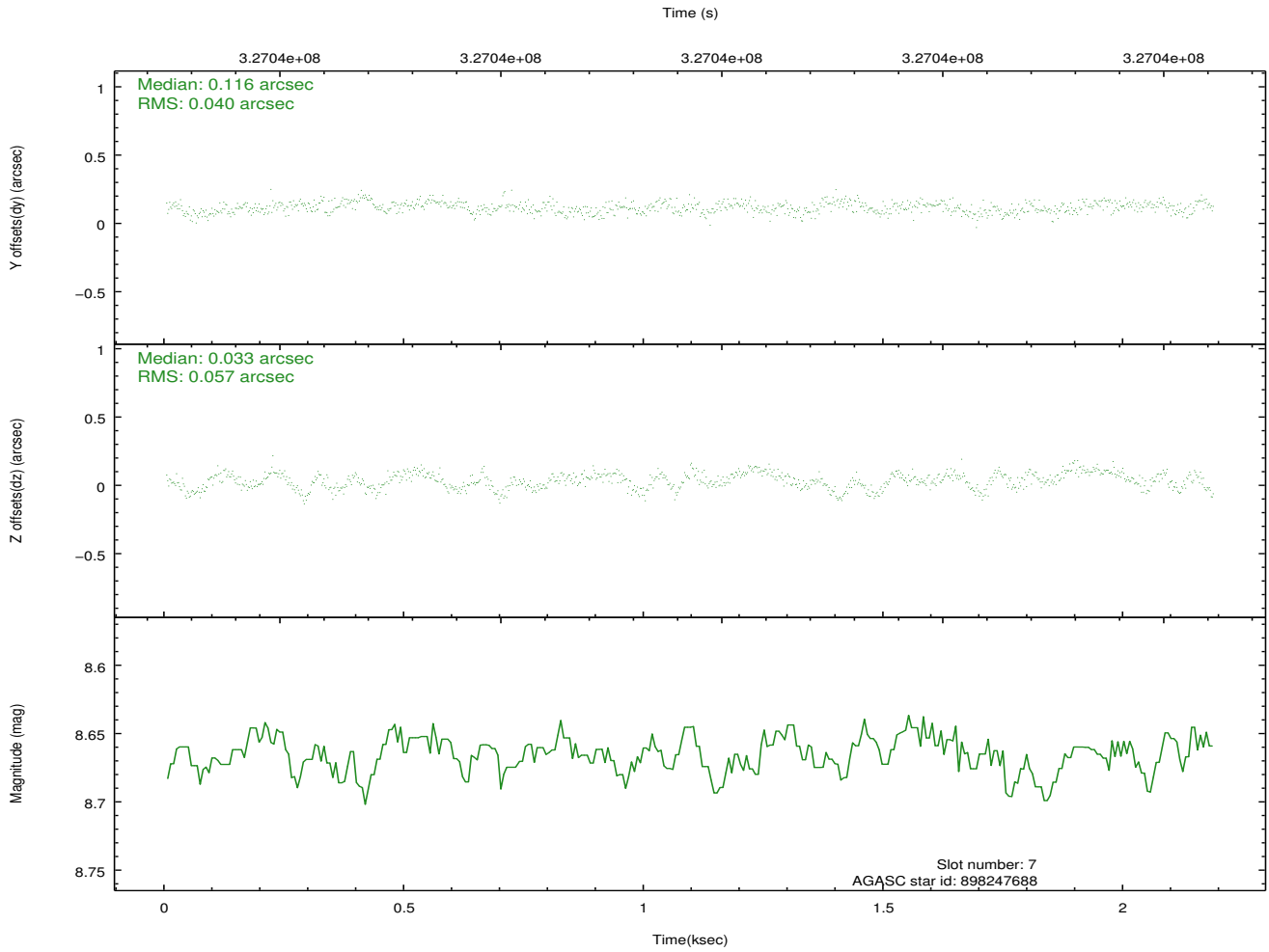
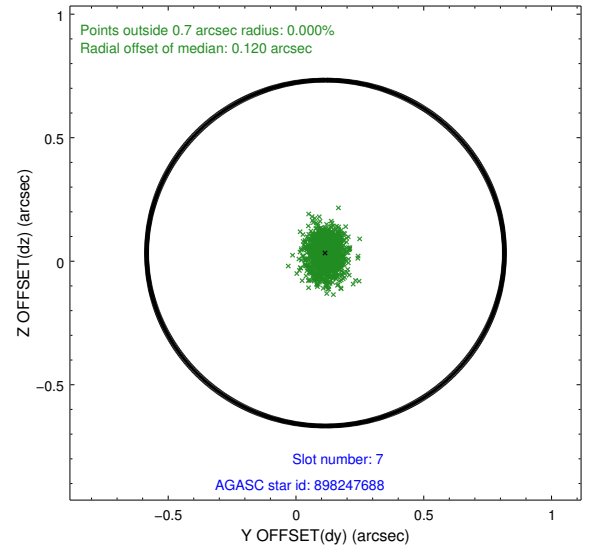
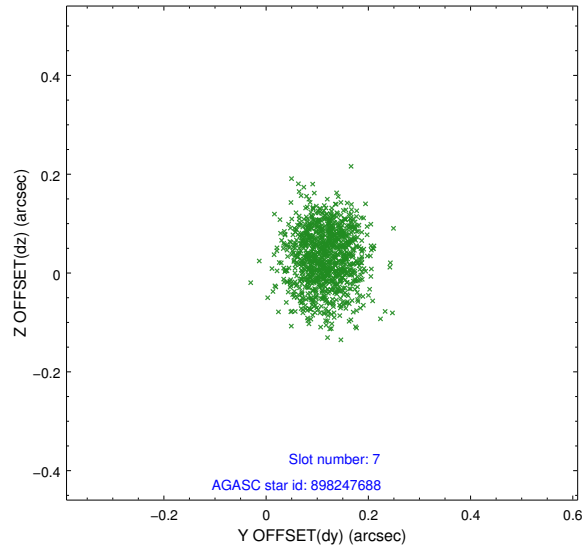
2.4.3 Slot 5



2.4.4 Slot 6

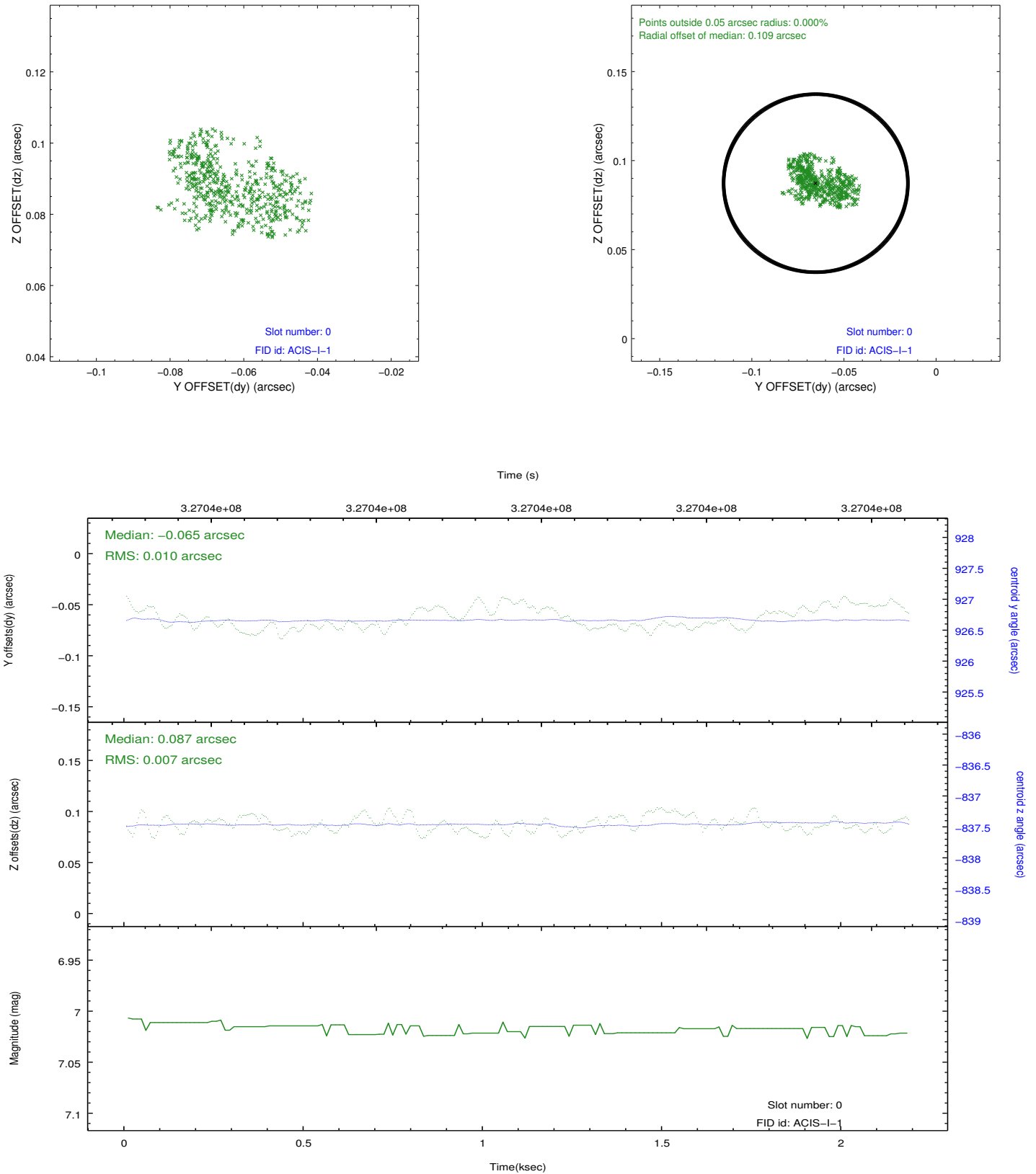


2.4.5 Slot 7

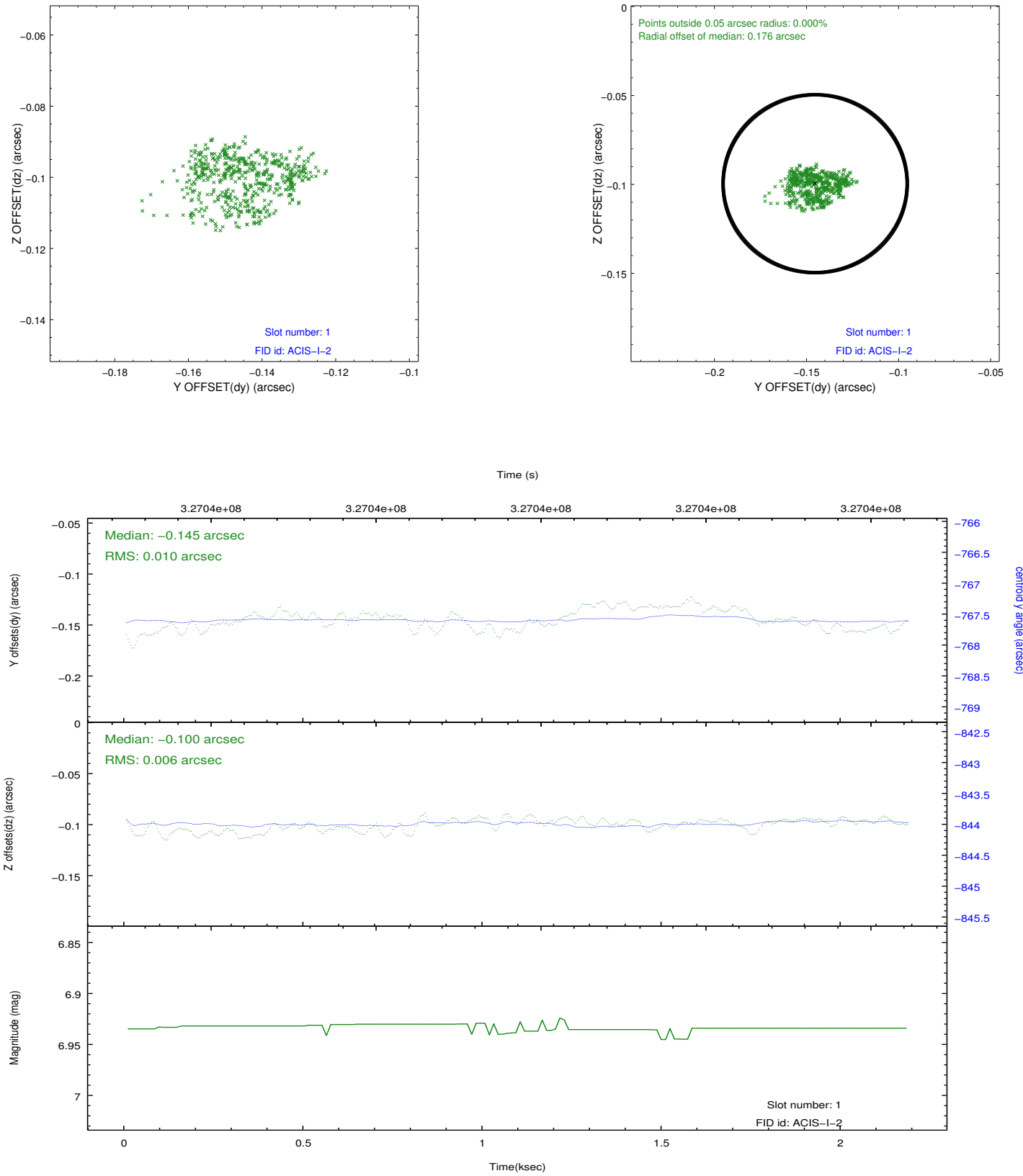


2.5 FID Slots

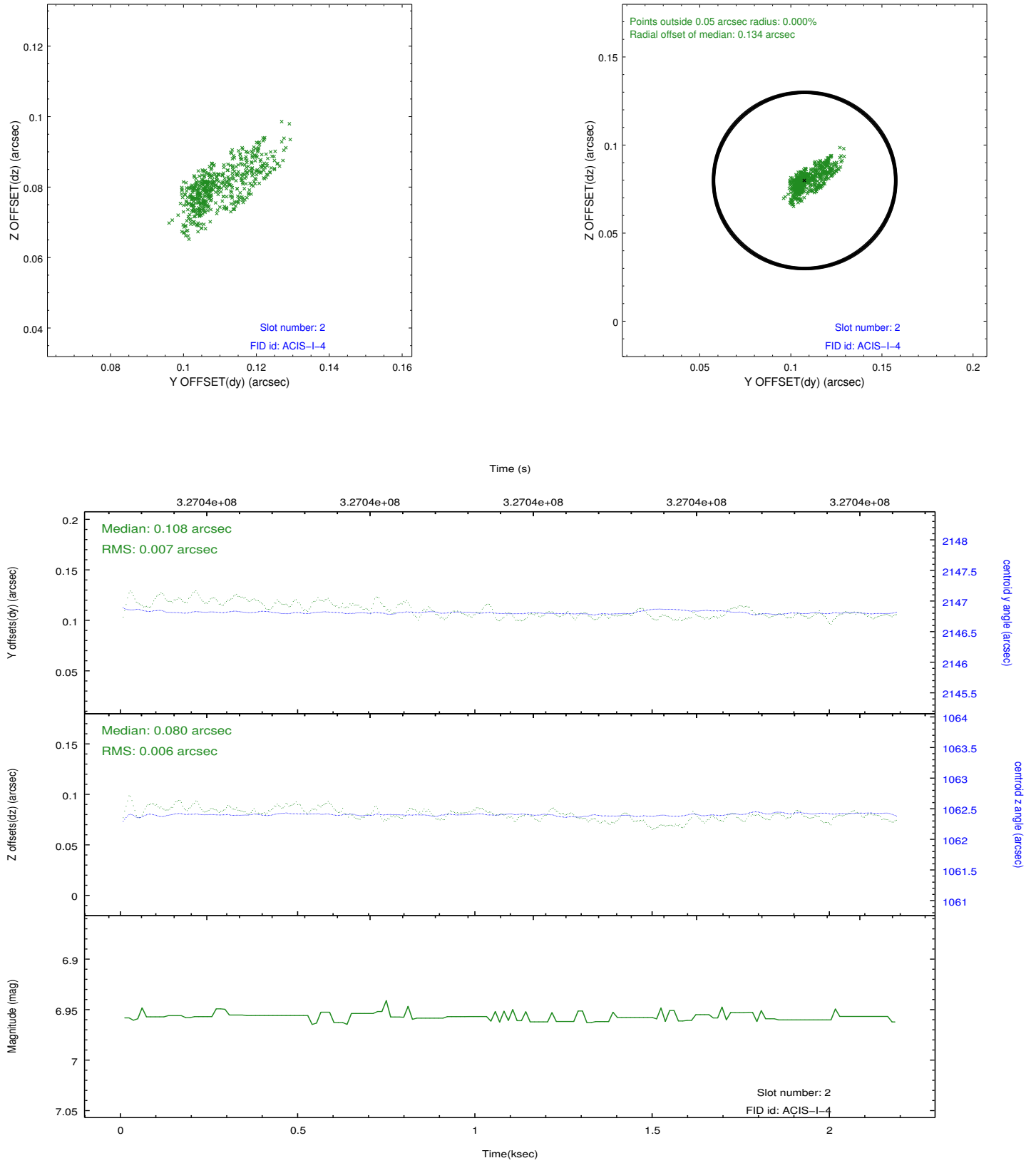
2.5.1 Slot 0



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	2.18550001

A.2 Comments

Joint proposal with NOAO.