

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8769 - L2 Version 2
Chandra X-Ray Center

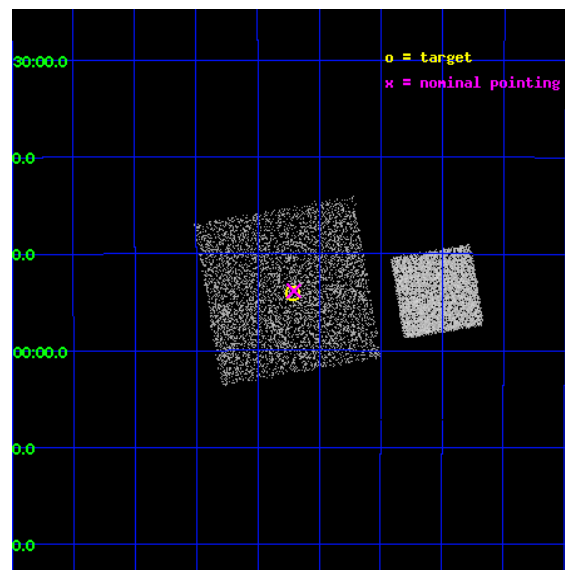
L2 Processing Date : May 14 2012

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1 Front

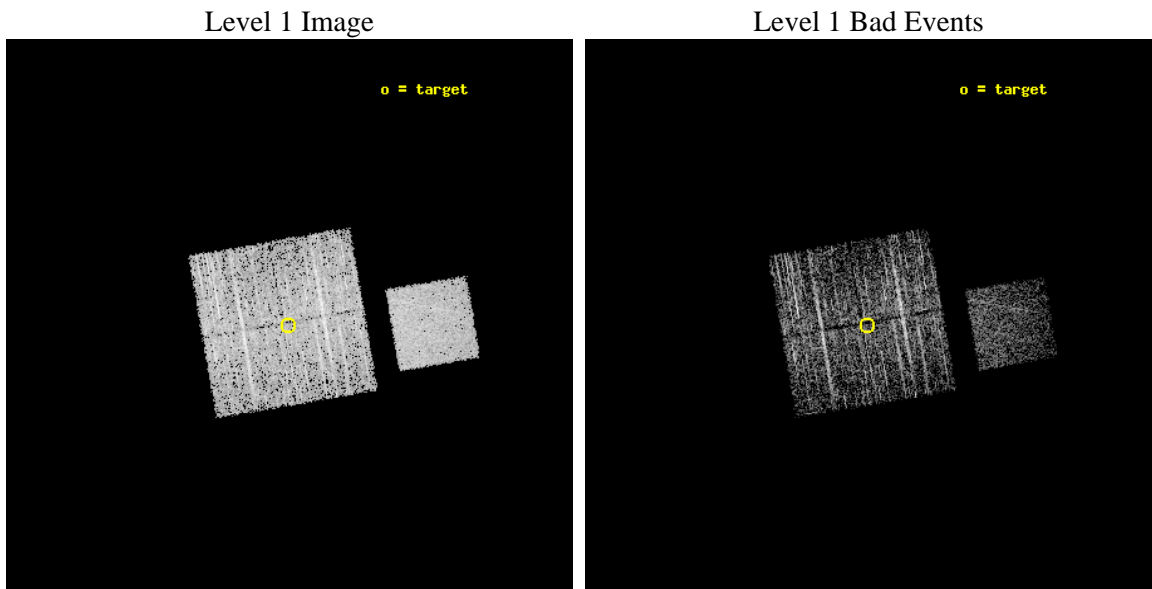
seq_num	400820	Sequence number
obs_id	8769	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.053487	Observer's specified target RA [deg]
dec_targ	-30.902101	Observer's specified target Dec [deg]
ra_nom	267.05151327826	Nominal RA [deg]
dec_nom	-30.8974050308	Nominal Dec [deg]
roll_nom	80.207676274615	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.4000167847	Sum of GTIs [s]
livetime	2153.8853539059	Livetime [s]
ontime0	2147.8488845825	Sum of GTIs [s]
ontime1	2179.2589965463	Sum of GTIs [s]
ontime2	2179.2590065598	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	15442	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]
caldsver	4.4.9	 	ontime0	2147.8488845825	Sum of GTIs [s]
date	2012-05-14T21:10:22	Date and time of file creation	ontime1	2179.2589965463	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.2590065598	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	104844	Number of level 1 events

2.1.4 Events

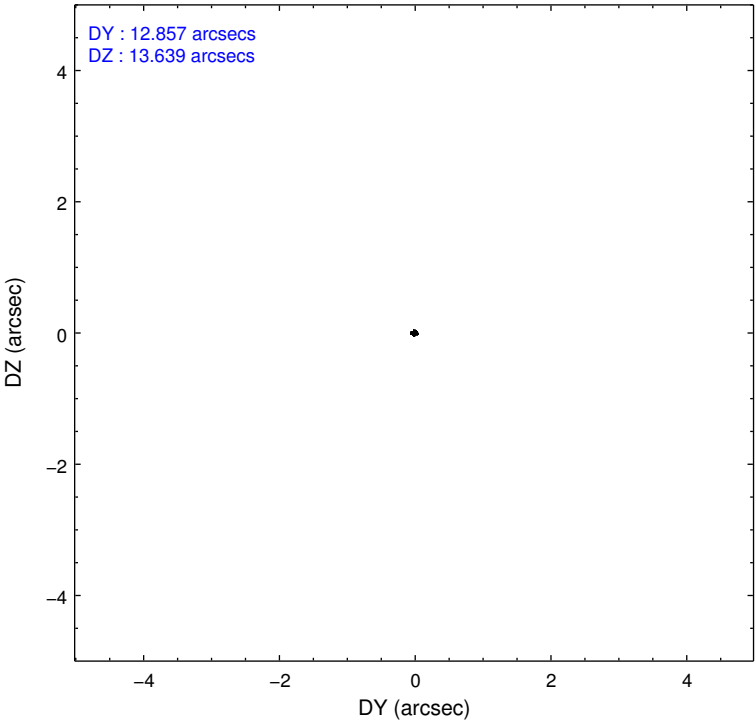
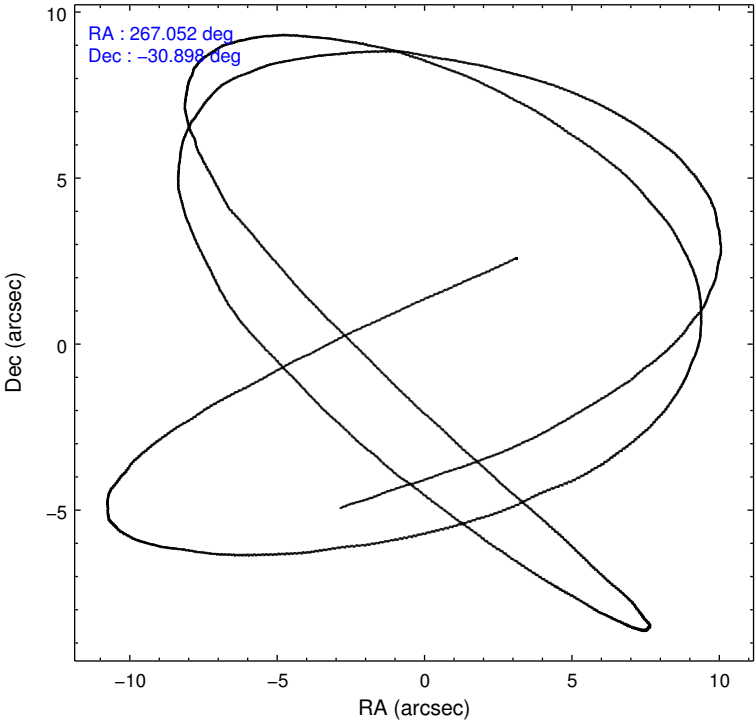
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	21457	19048	21171	20329	22839
rejected events	19519	16787	19207	18509	13848
rejected %	90%	88%	90%	91%	60%

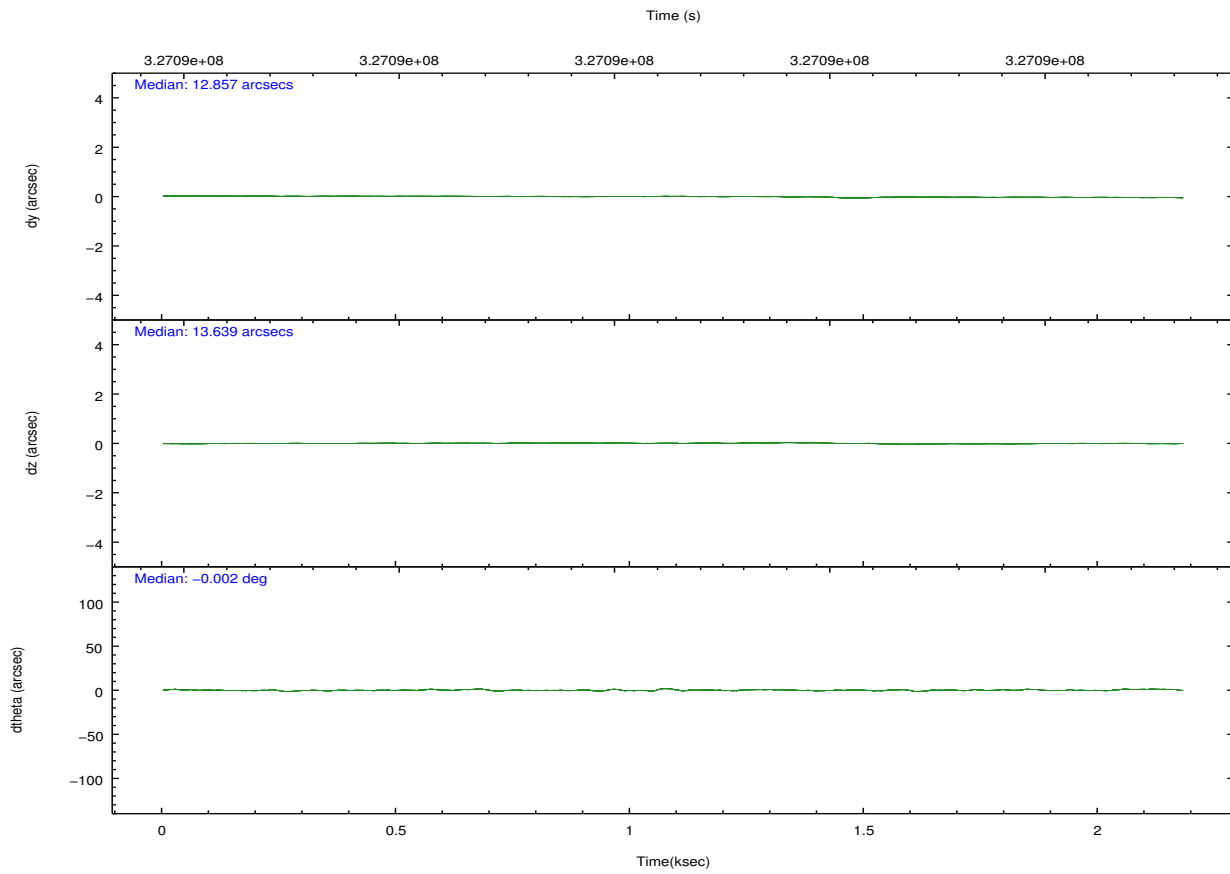
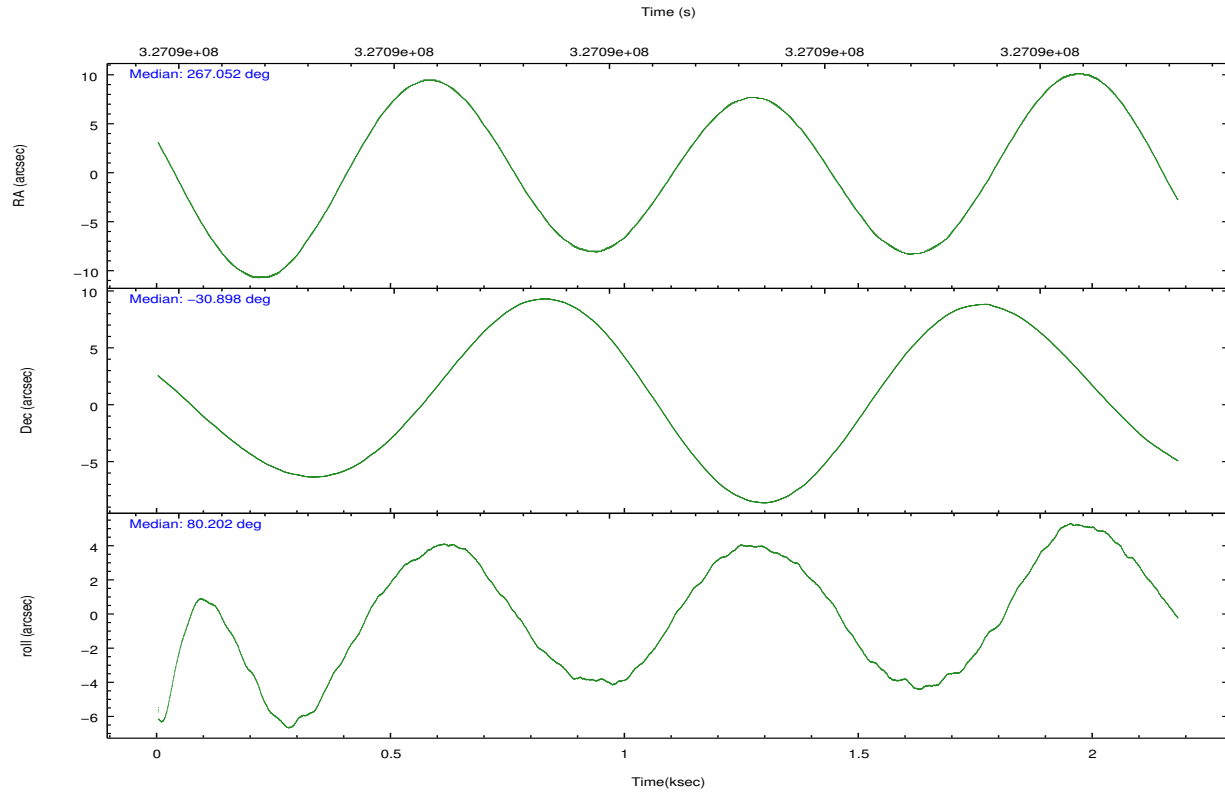
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	889	1073	898	838	996
	4%	5%	4%	4%	4%
grade 1 events	10	11	17	16	36
	0%	0%	0%	0%	0%
grade 2 events	528	561	497	428	2046
	2%	2%	2%	2%	8%
grade 3 events	225	255	232	244	940
	1%	1%	1%	1%	4%
grade 4 events	213	226	260	209	949
	0%	1%	1%	1%	4%
grade 5 events	699	762	637	813	2359
	3%	4%	3%	3%	10%
grade 6 events	386	464	351	389	5425
	1%	2%	1%	1%	23%
grade 7 events	18507	15696	18279	17392	10088
	86%	82%	86%	85%	44%

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	267.062775	267.0515132782643	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.923132	-30.8974050307996	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004775	80.20767627461464	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)	327086232.184000	327085856.01432	CCD S5 on	N	N
Observation start date	2008-05-13T17:16:07	2008-05-13T17:10:56	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327088232.184000	327088365.72694	On-chip summing requested	N	N
Observation end date	2008-05-13T17:49:27	2008-05-13T17:52:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



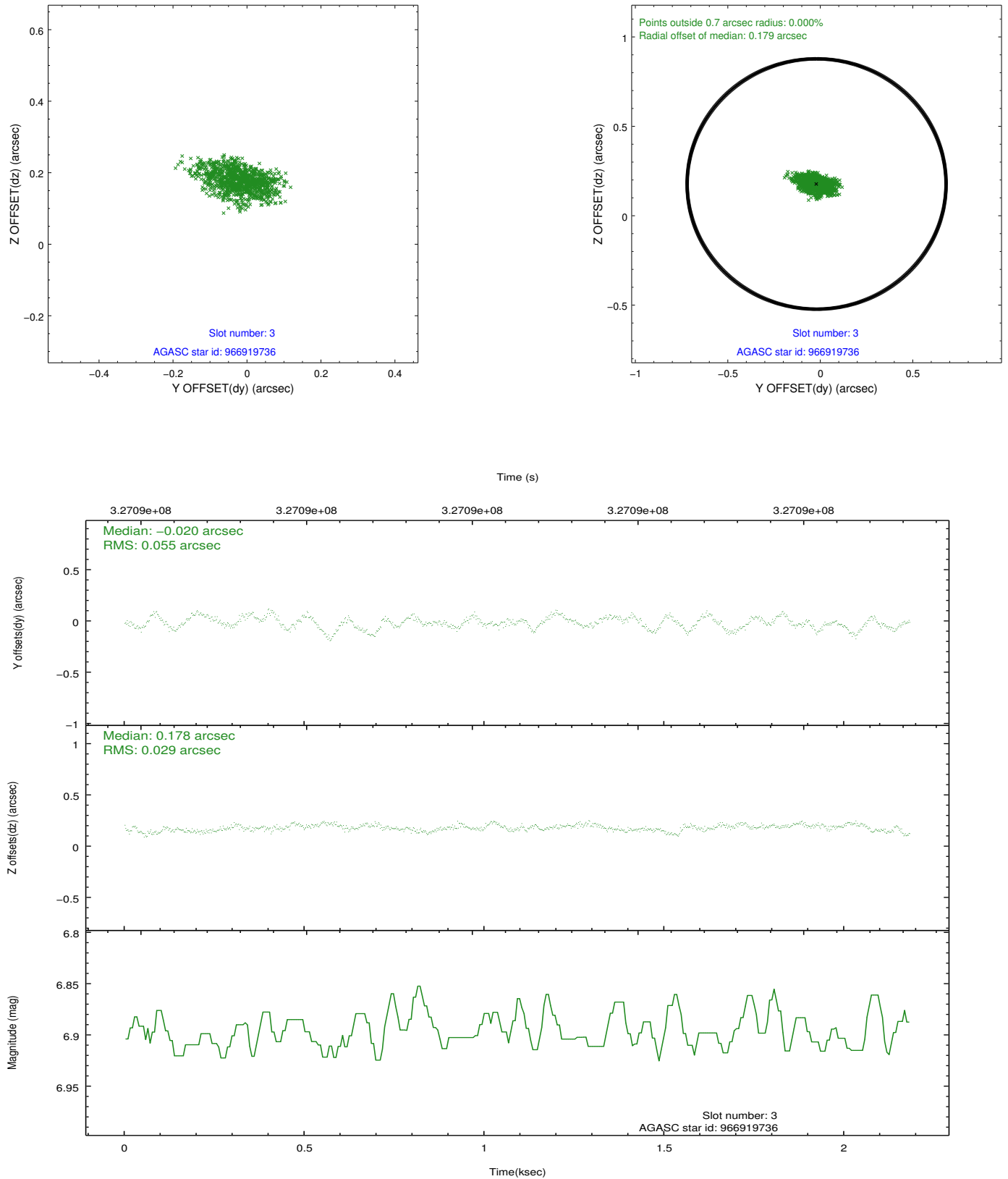


Slot Statistics

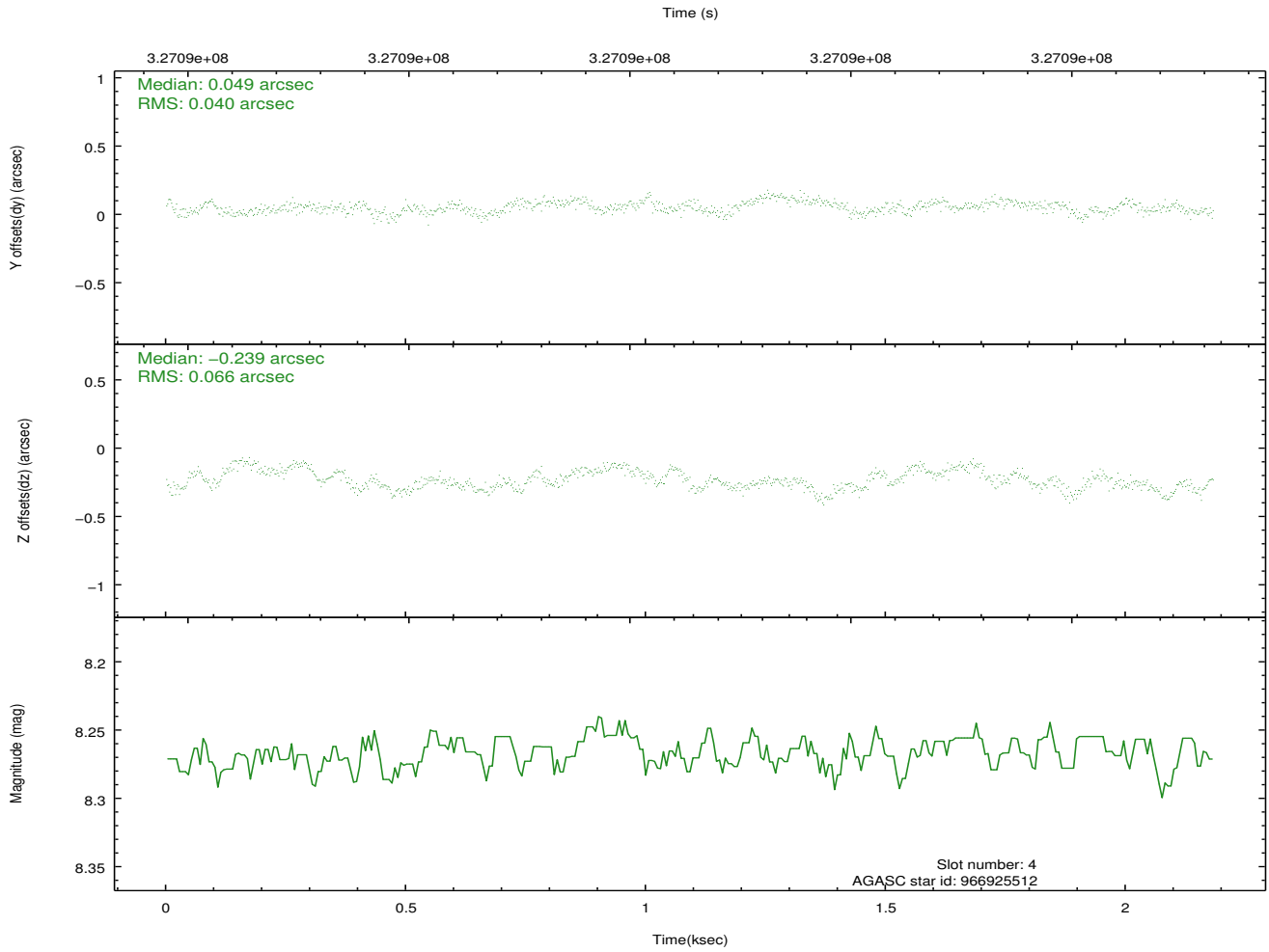
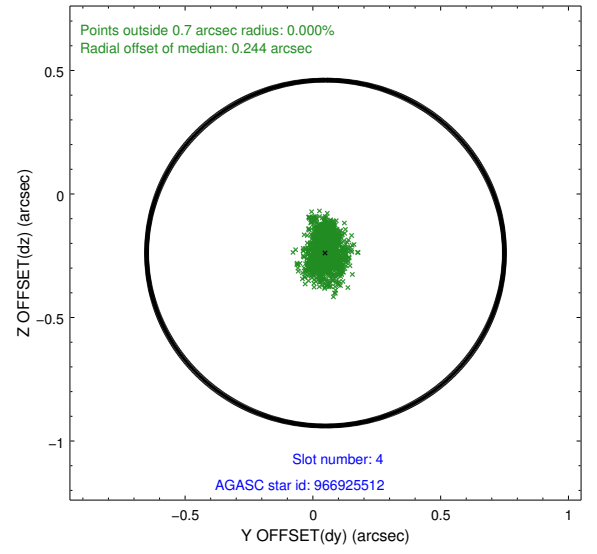
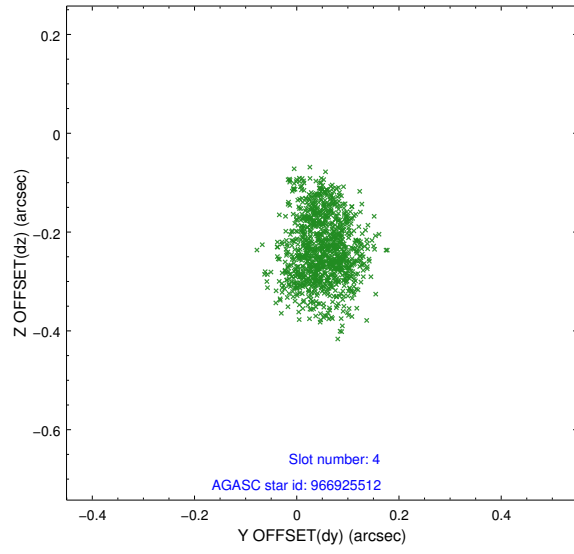
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	532	-0.029	0.042	0.009	0.016	0.000000	0.000000	926.64	-837.16
1	FID	ACIS-I-4	6.99	532	0.149	0.008	0.008	0.013	0.000000	0.000000	2148.52	1061.12
2	FID	ACIS-I-5	7.03	532	-0.218	0.020	0.007	0.013	0.000000	0.000000	-1817.71	1062.37
3	GUIDE	966919736	6.90	1065	-0.020	0.178	0.066	0.111	267.322278	-30.597445	1293.52	-588.99
4	GUIDE	966925512	8.27	1065	0.049	-0.239	0.083	0.133	266.373606	-31.056700	-847.60	2007.54
5	GUIDE	966926496	8.12	1065	-0.089	-0.079	0.056	0.090	267.109389	-30.299474	2235.55	249.21
6	GUIDE	967059168	8.44	1064	-0.010	0.411	0.087	0.130	267.755631	-31.226839	-710.39	-2291.02
7	GUIDE	966923376	8.74	1064	0.068	-0.271	0.069	0.115	266.333558	-31.111316	-1064.98	2091.95

2.4 Star Slots

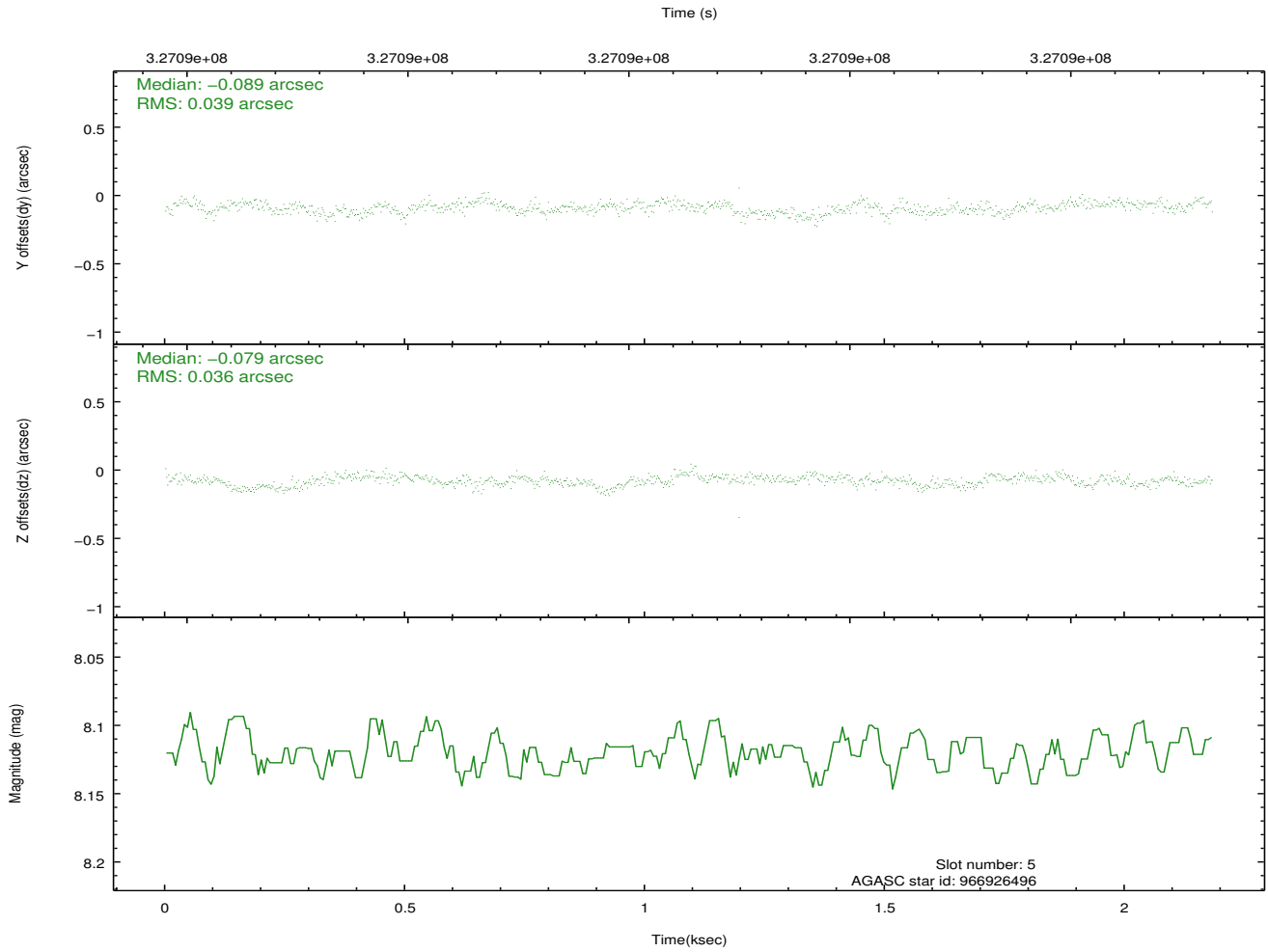
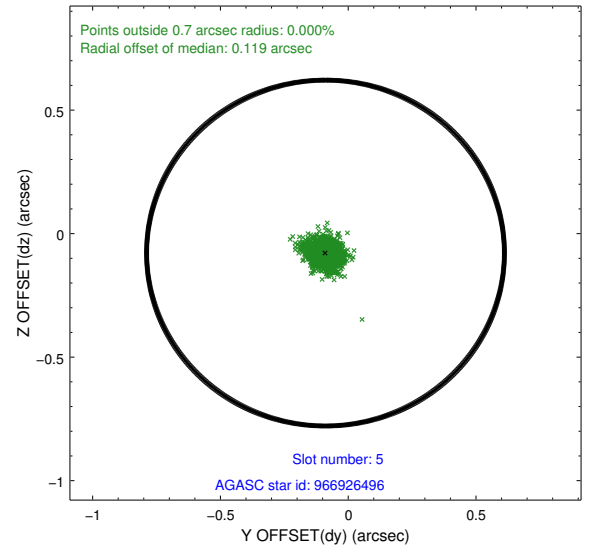
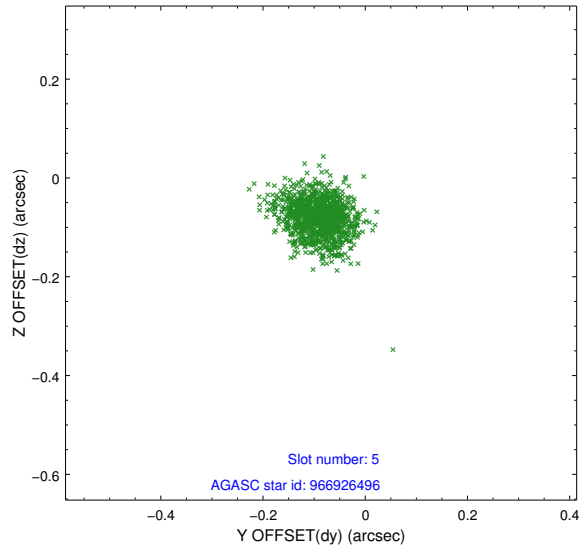
2.4.1 Slot 3



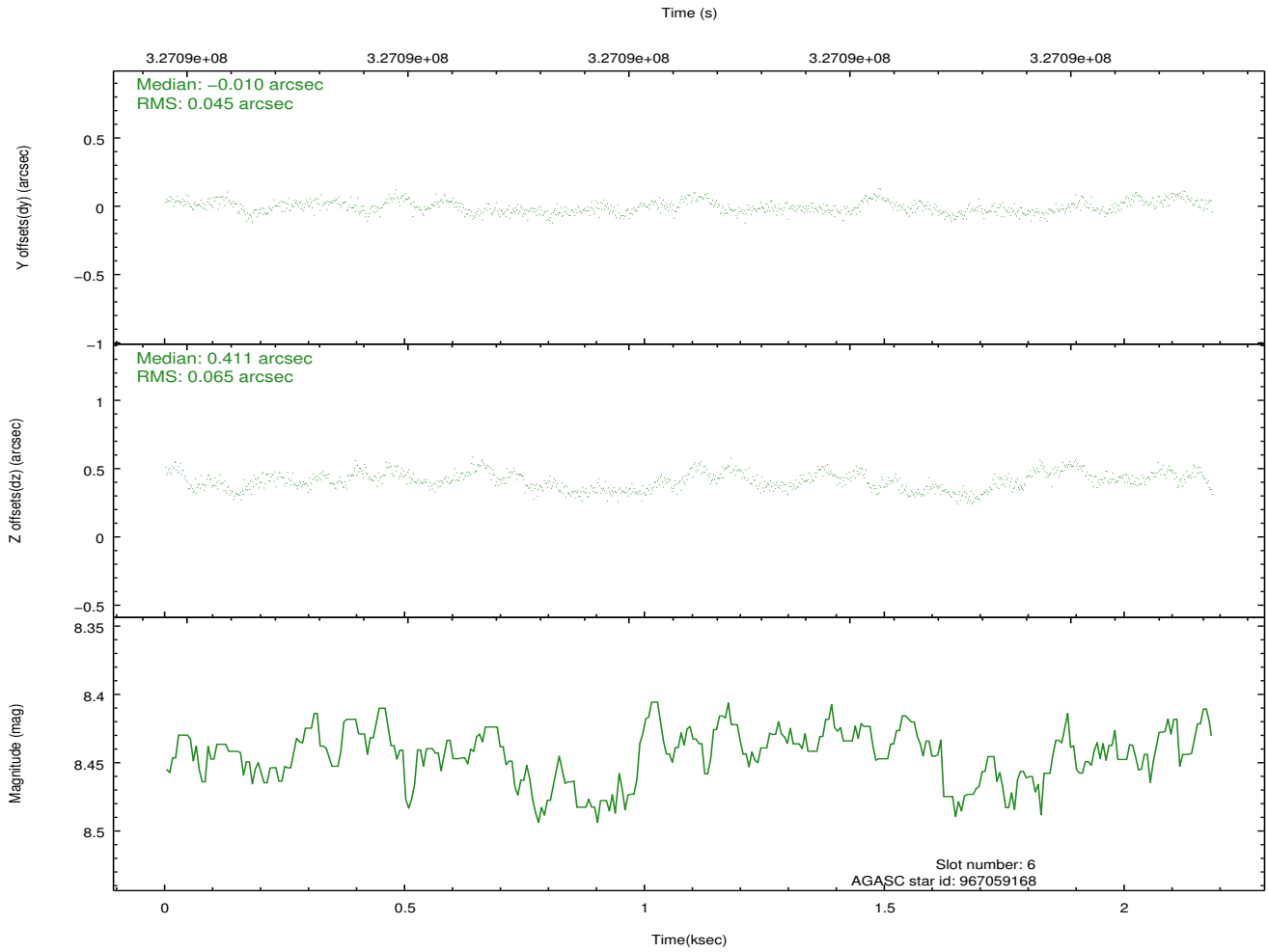
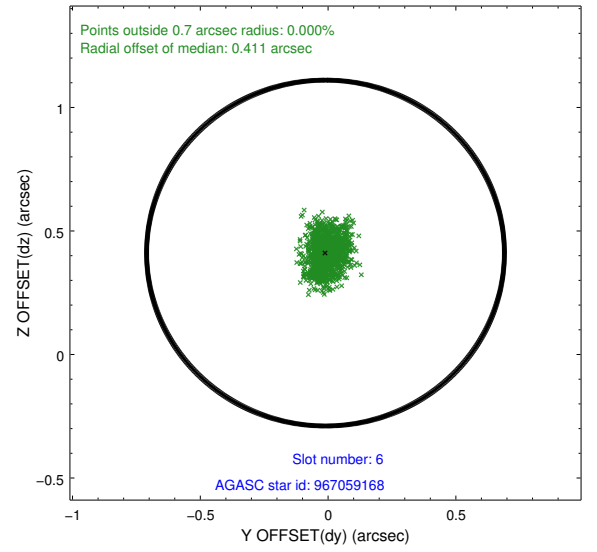
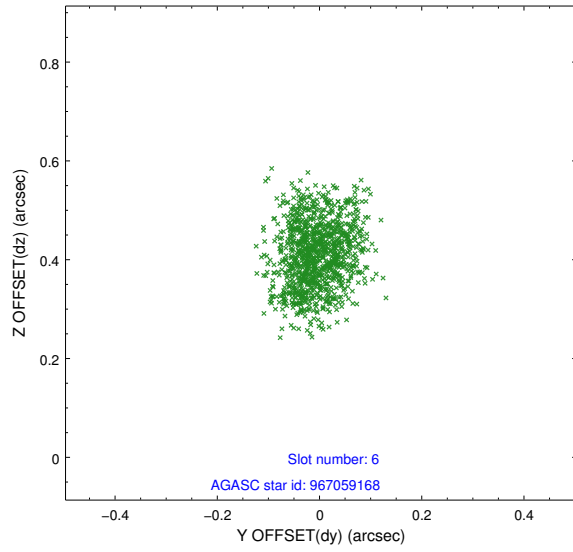
2.4.2 Slot 4



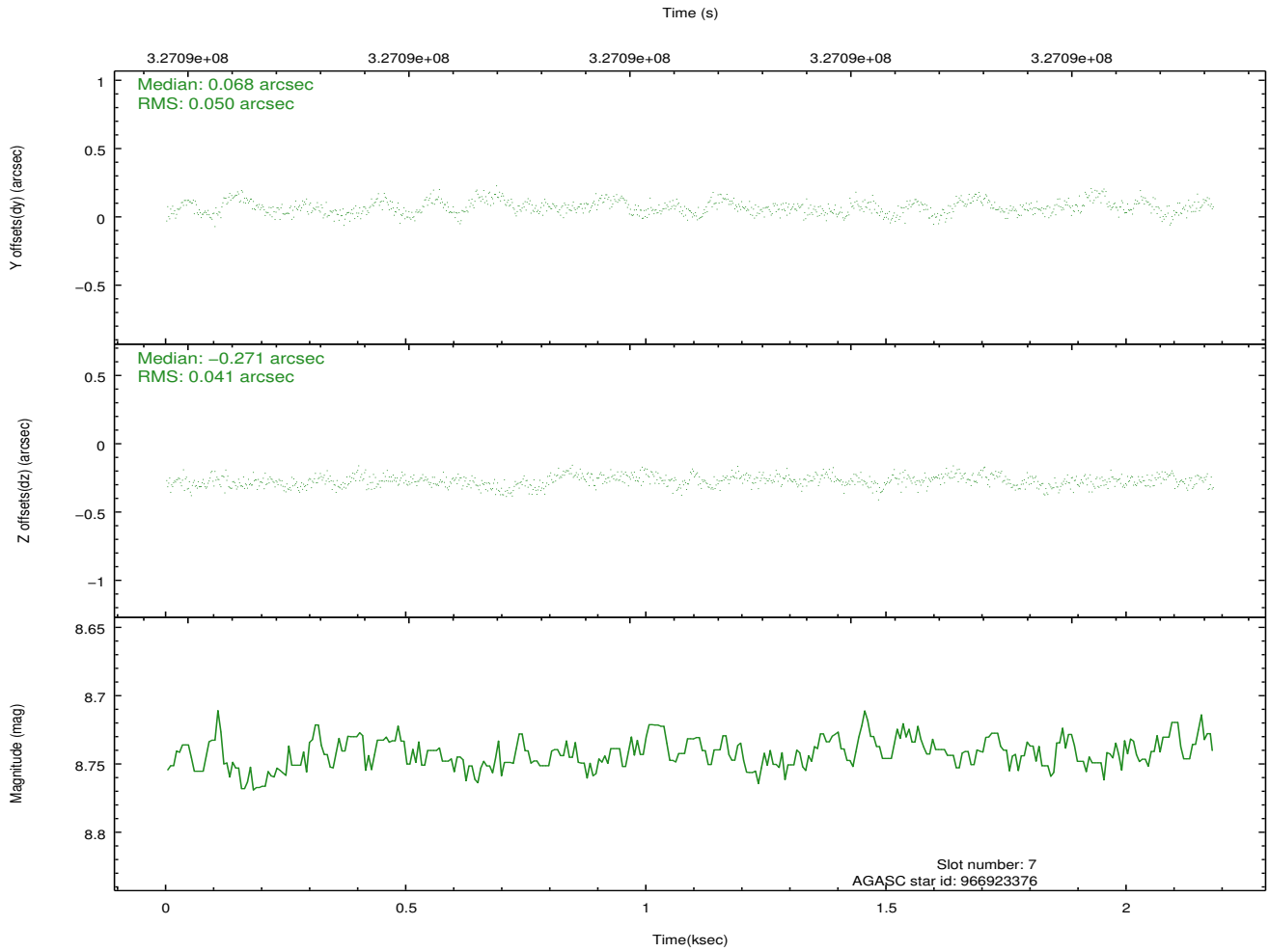
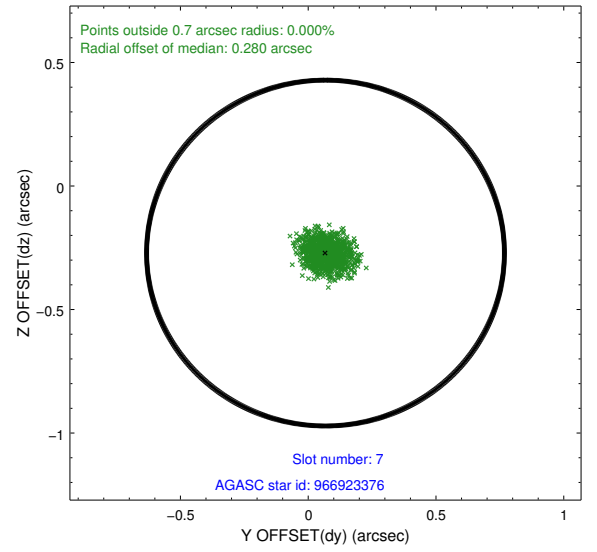
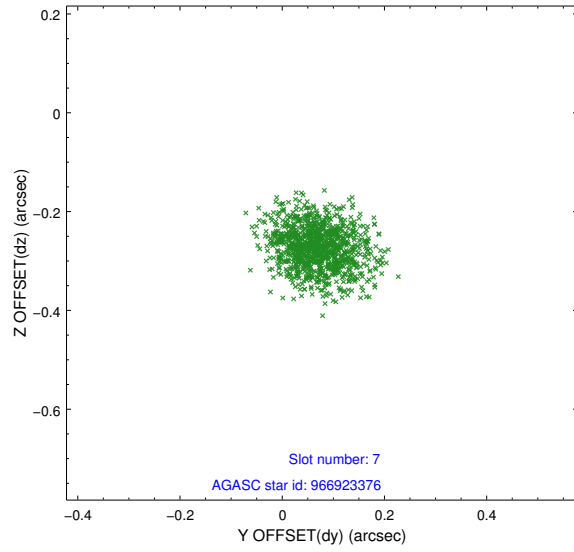
2.4.3 Slot 5



2.4.4 Slot 6

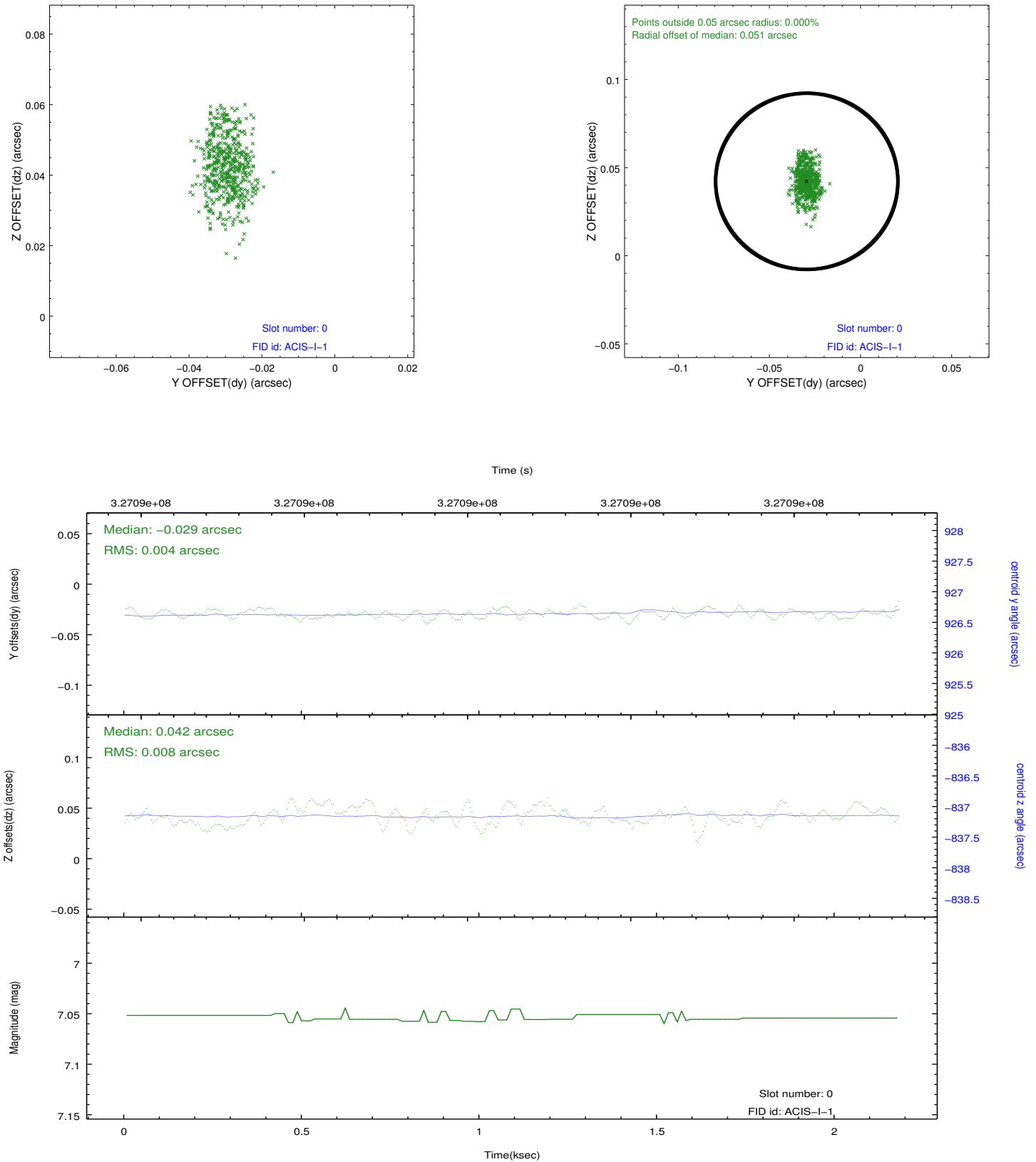


2.4.5 Slot 7

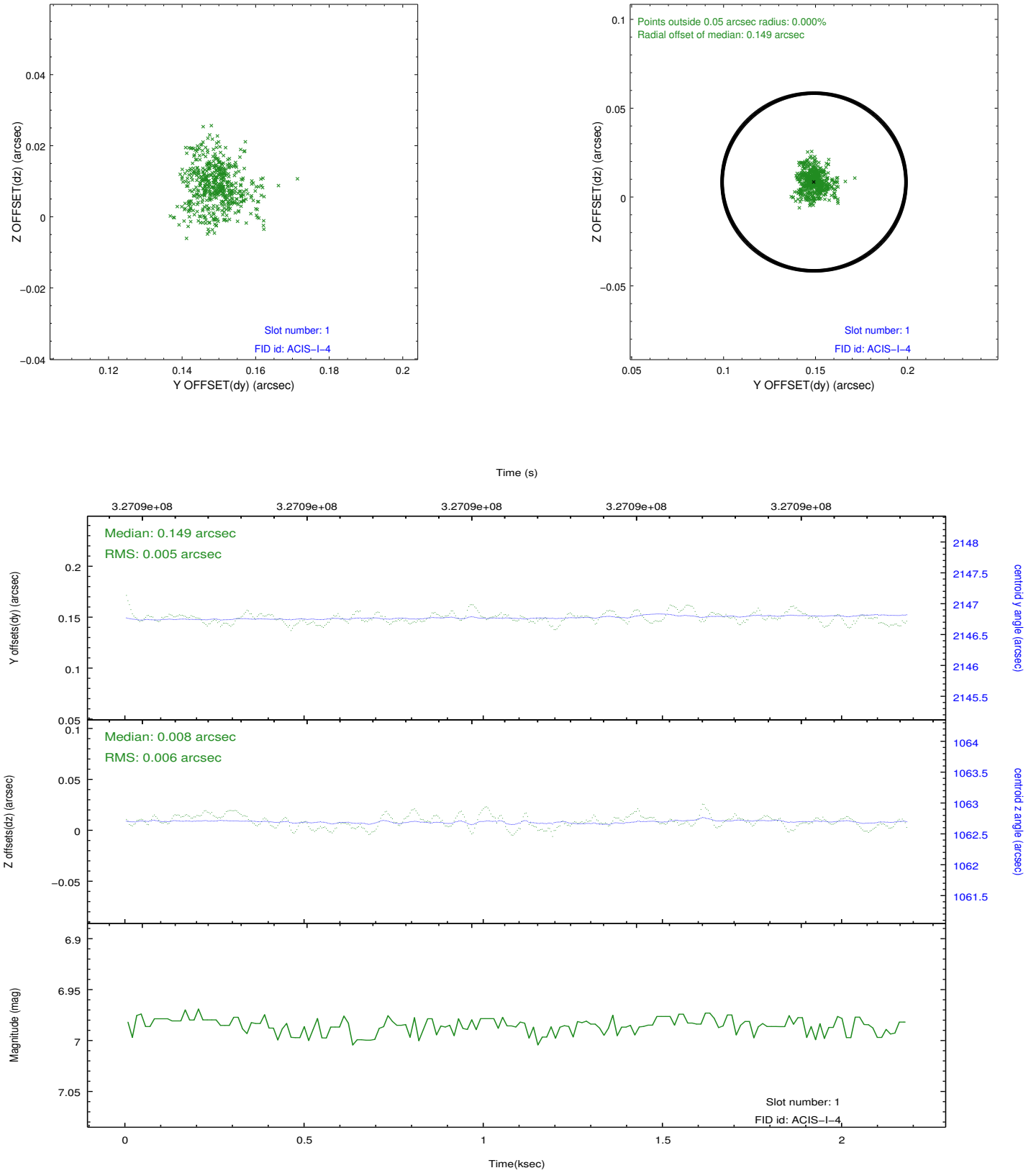


2.5 FID Slots

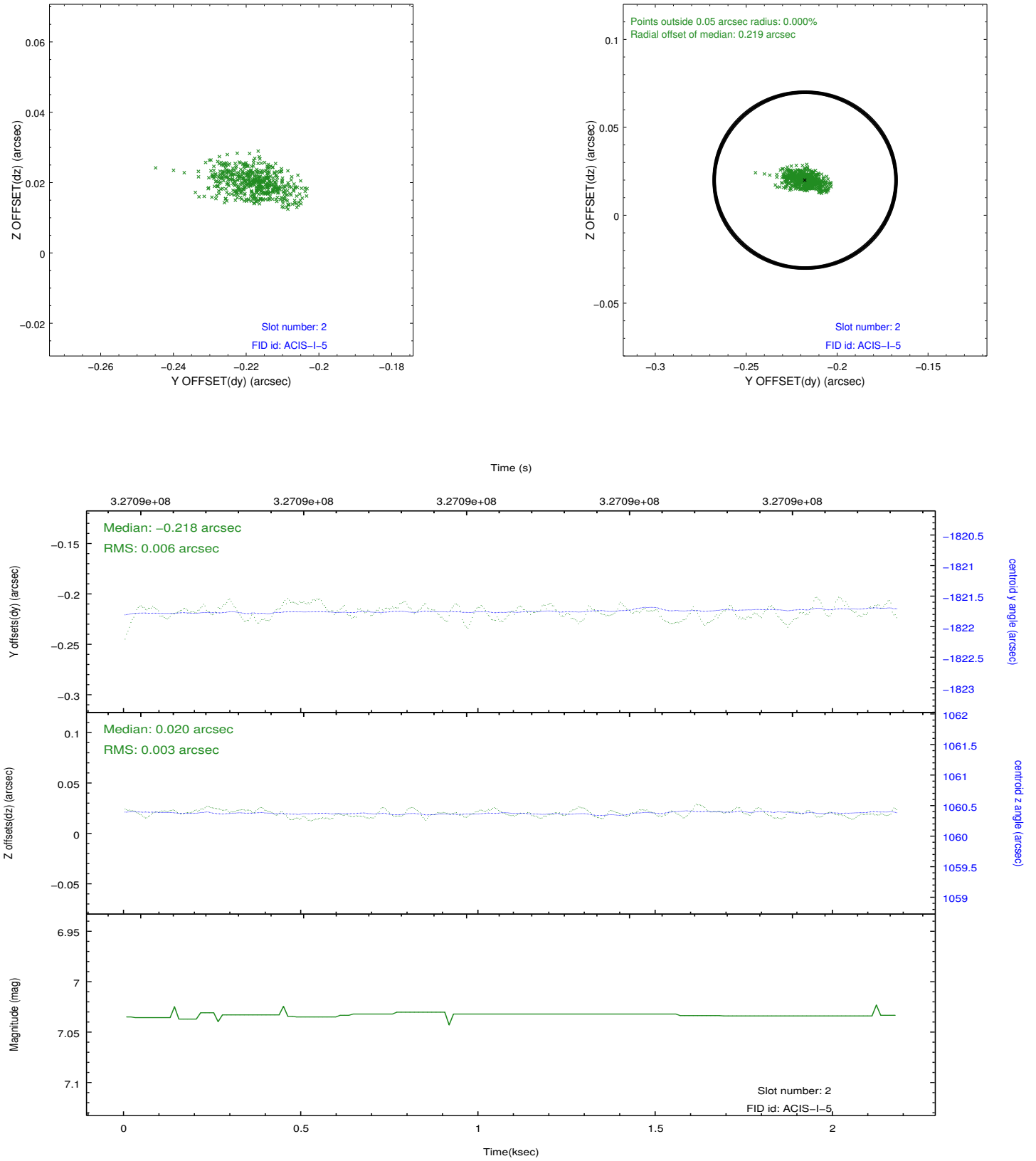
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint Proposal: NOAO