

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8707 - L2 Version 2
Chandra X-Ray Center

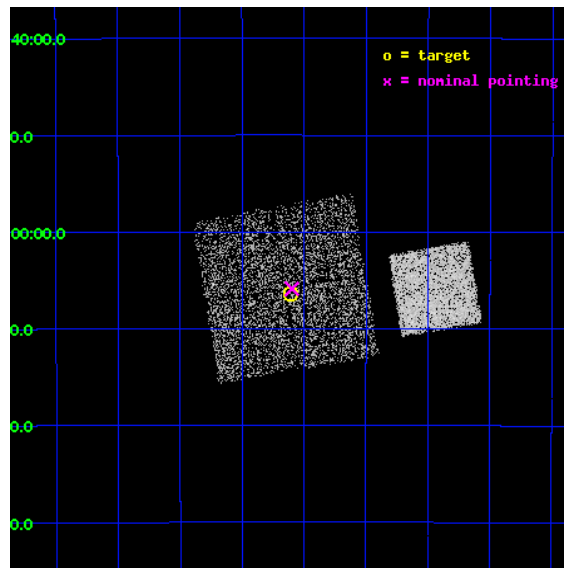
L2 Processing Date : May 15 2012

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1 Front

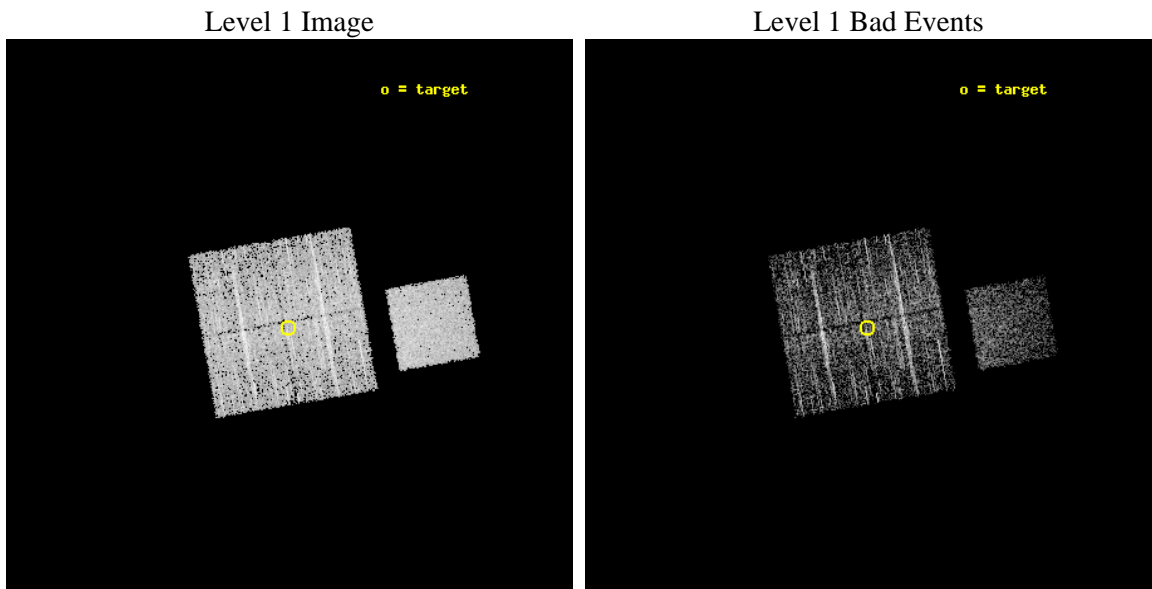
seq_num	400758	Sequence number
obs_id	8707	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.525768	Observer's specified target RA [deg]
dec_targ	-30.106072	Observer's specified target Dec [deg]
ra_nom	263.52442950706	Nominal RA [deg]
dec_nom	-30.098009743898	Nominal Dec [deg]
roll_nom	80.208173567541	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	2179.2590065598	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2182.4000167847	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	15866	Number of level 2 events



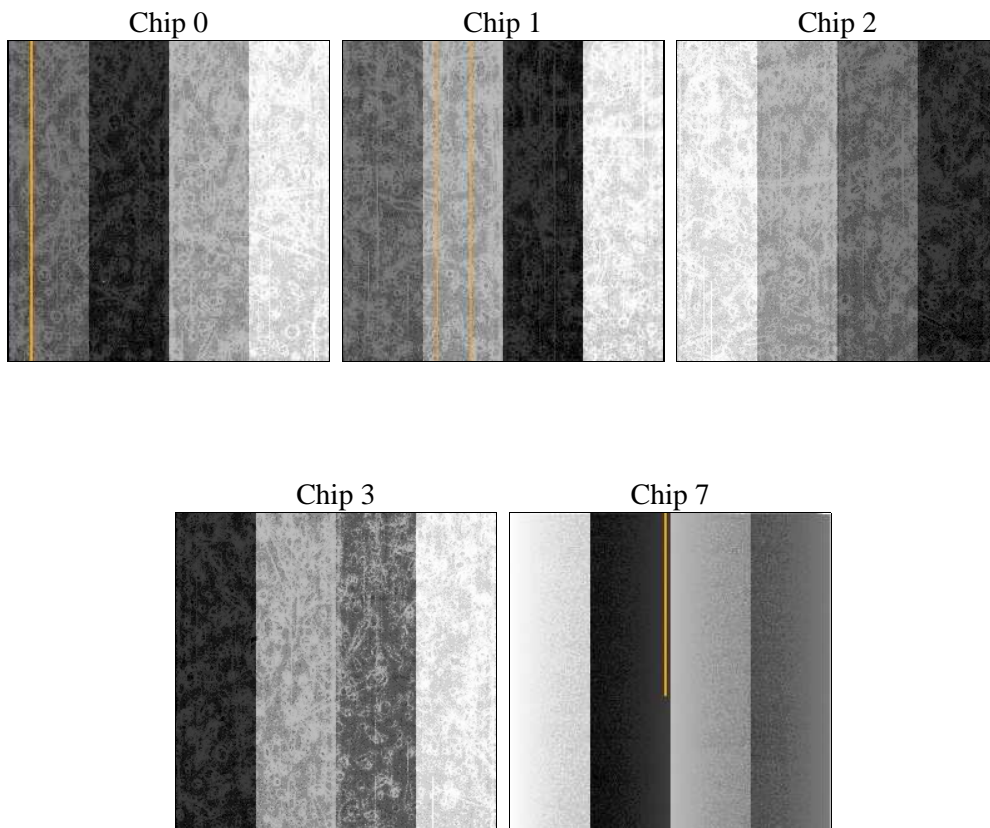
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	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	2182.4000167847	Sum of GTIs [s]
date	2012-05-15T03:07:13	Date and time of file creation	ontime1	2179.2590065598	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2182.4000167847	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	101993	Number of level 1 events

2.1.4 Events

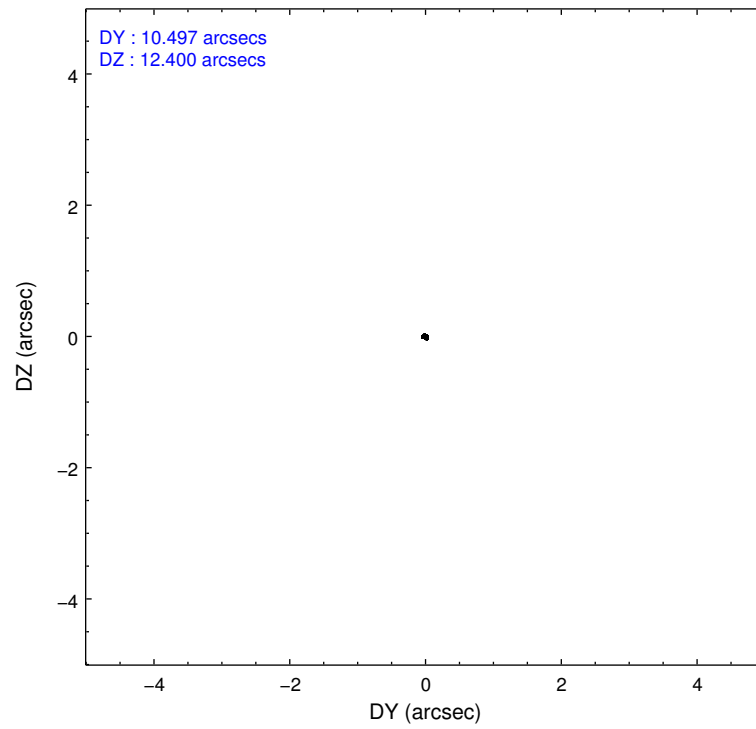
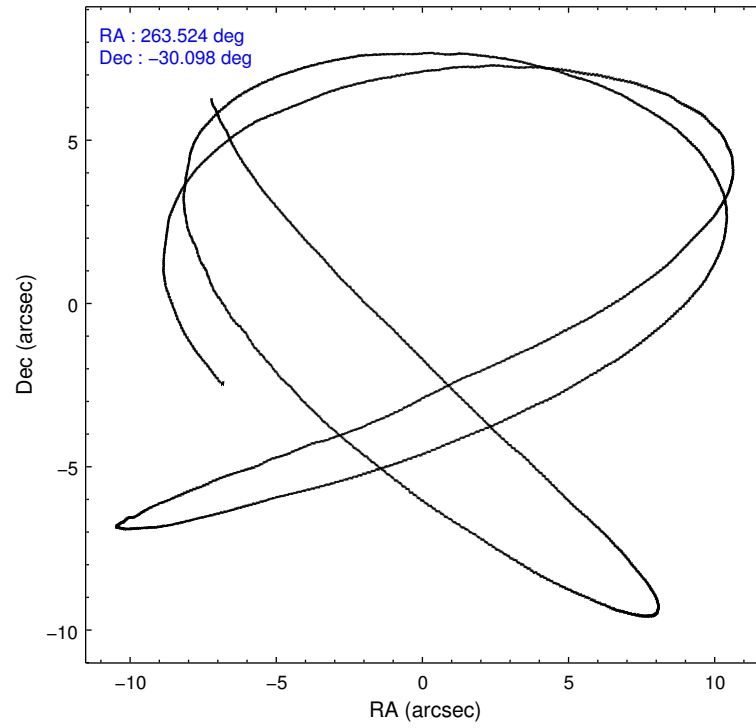
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18909	18626	20793	20228	23437
rejected events	16901	16411	18801	18257	14127
rejected %	89%	88%	90%	90%	60%

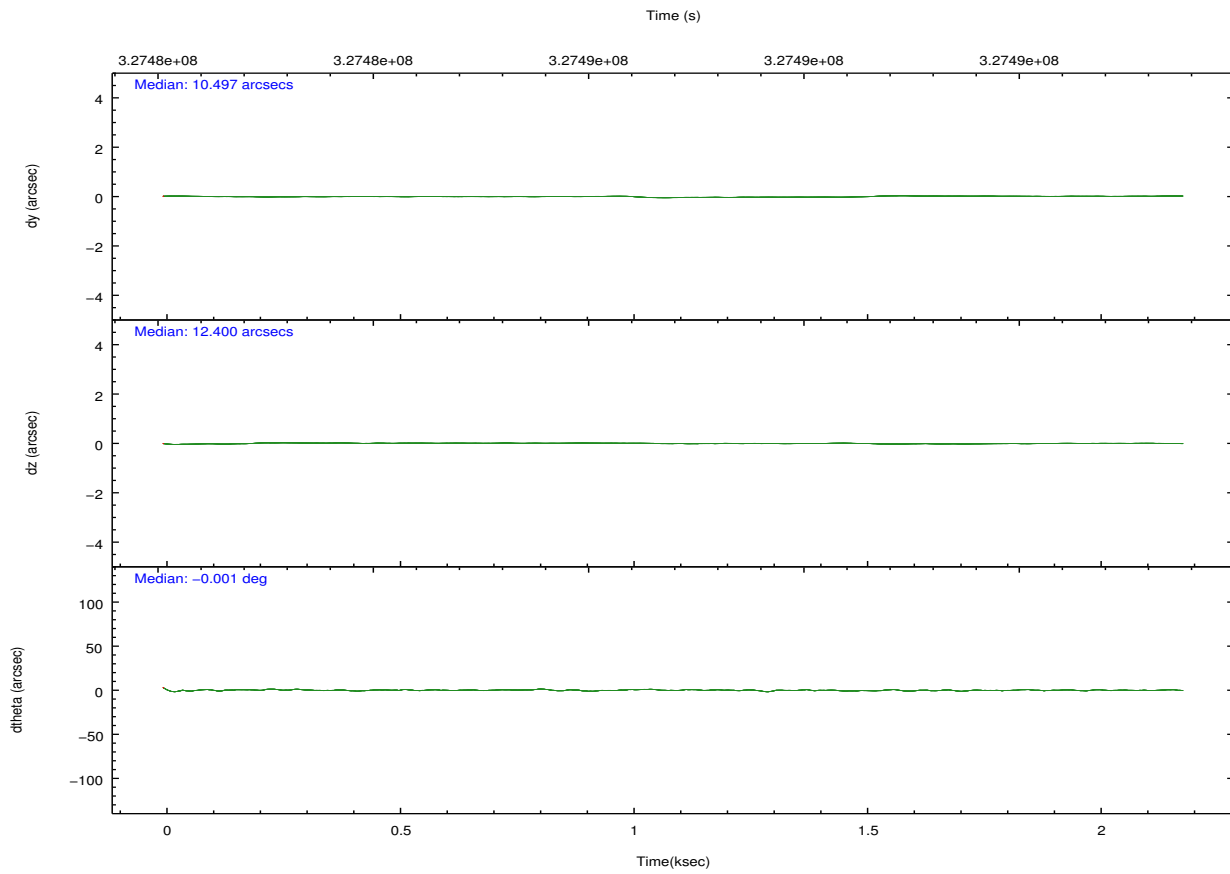
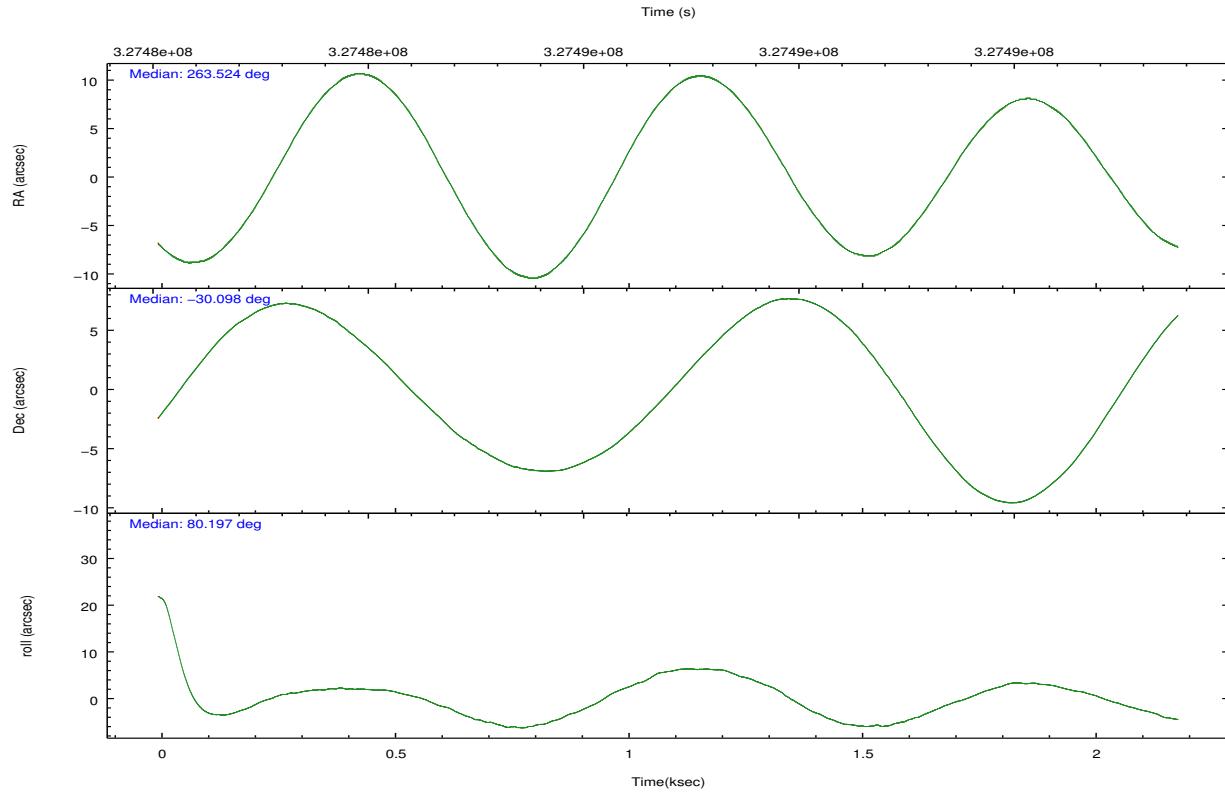
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	957	1060	900	946	1047
	5%	5%	4%	4%	4%
grade 1 events	11	8	8	20	37
	0%	0%	0%	0%	0%
grade 2 events	520	516	541	438	2164
	2%	2%	2%	2%	9%
grade 3 events	213	238	209	241	1022
	1%	1%	1%	1%	4%
grade 4 events	231	263	233	245	949
	1%	1%	1%	1%	4%
grade 5 events	662	821	650	786	2431
	3%	4%	3%	3%	10%
grade 6 events	379	460	398	388	5520
	2%	2%	1%	1%	23%
grade 7 events	15936	15260	17854	17164	10267
	84%	81%	85%	84%	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	263.535652	263.5244295070555	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.123819	-30.09800974389777	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004958	80.20817356754064	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)	327484784.184000	327484407.80874	CCD S5 on	N	N
Observation start date	2008-05-18T07:58:39	2008-05-18T07:53:27	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327486784.184000	327486918.03386	On-chip summing requested	N	N
Observation end date	2008-05-18T08:31:59	2008-05-18T08:35:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



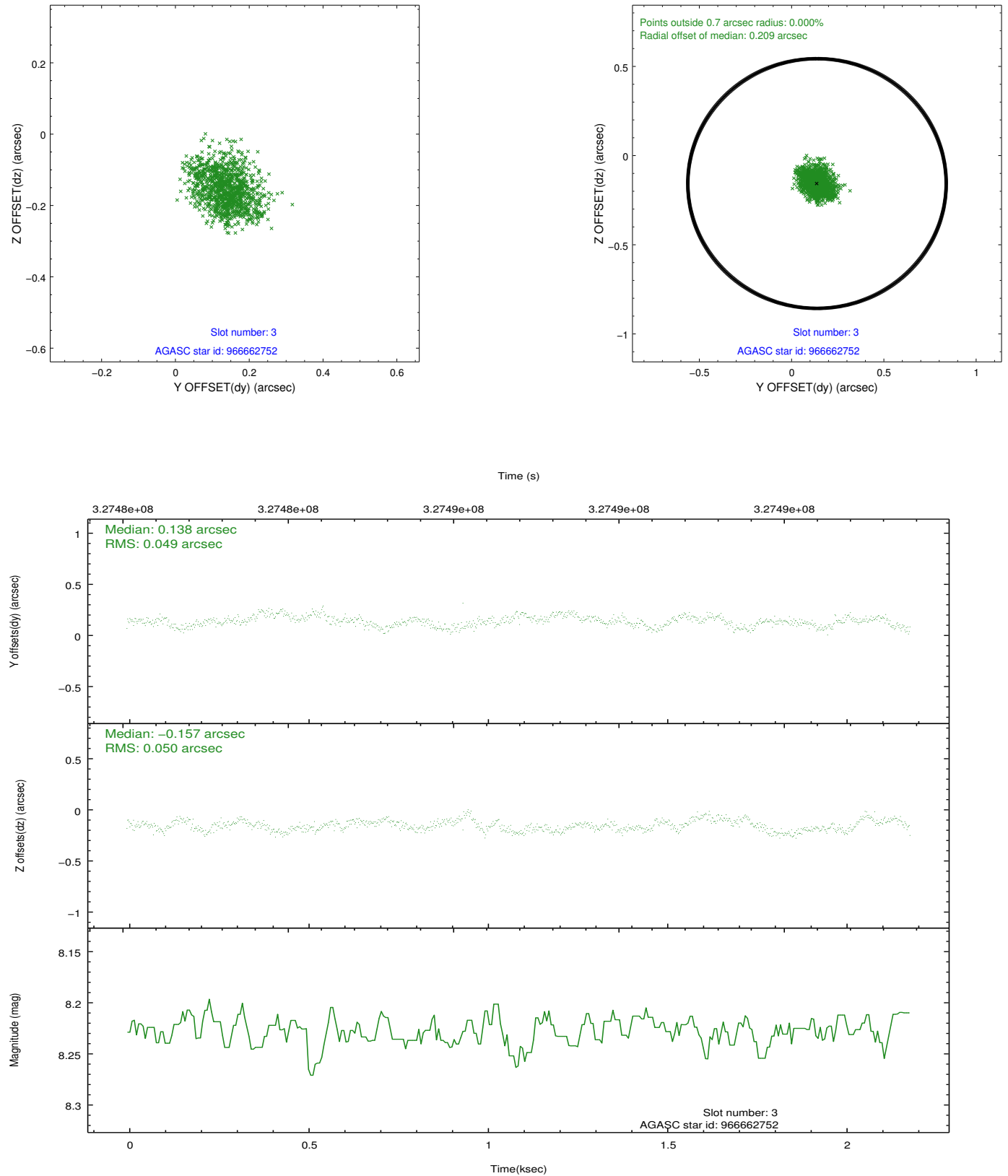


Slot Statistics

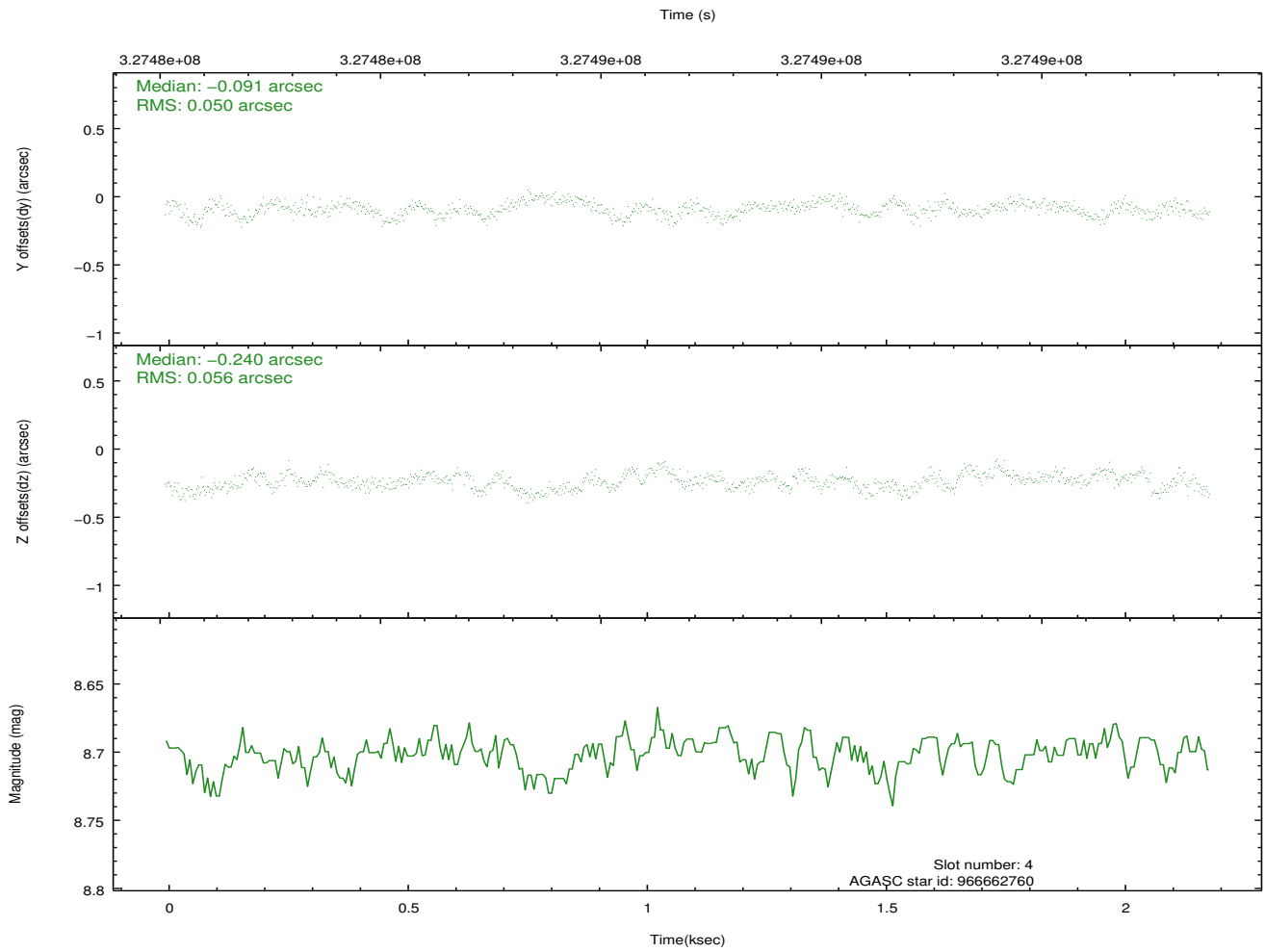
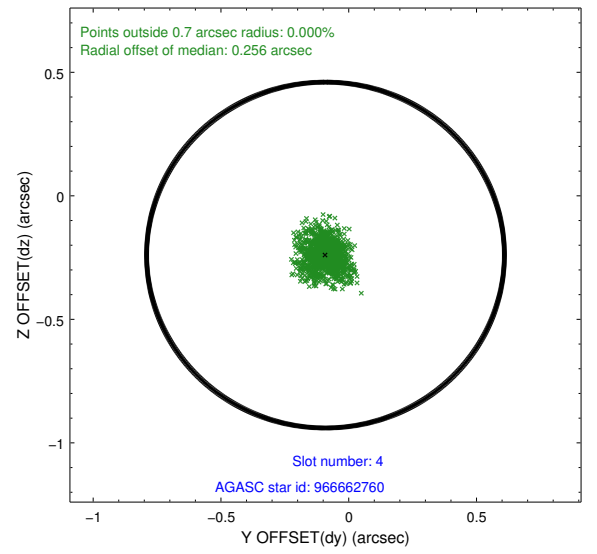
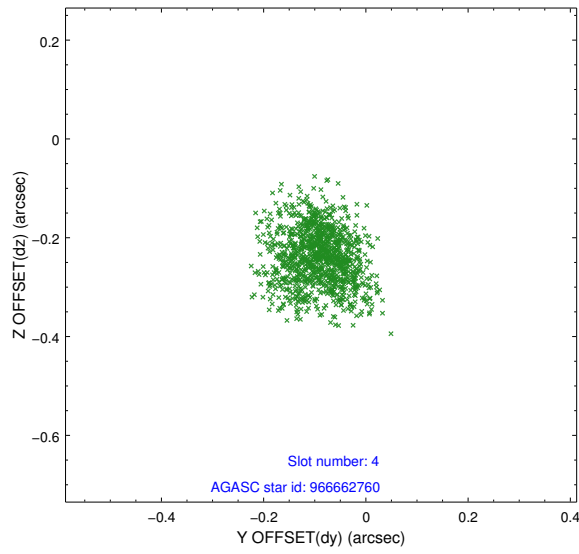
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	533	0.019	0.002	0.007	0.014	0.000000	0.000000	929.10	-835.94
1	FID	ACIS-I-4	7.00	533	0.109	0.013	0.008	0.014	0.000000	0.000000	2150.91	1062.37
2	FID	ACIS-I-5	7.03	533	-0.226	0.056	0.007	0.012	0.000000	0.000000	-1815.29	1063.71
3	GUIDE	966662752	8.23	1066	0.138	-0.157	0.076	0.119	262.898473	-30.245665	-781.55	1873.92
4	GUIDE	966662760	8.70	1063	-0.091	-0.240	0.080	0.129	262.815203	-30.091834	-284.27	2230.01
5	GUIDE	966788496	8.61	1066	0.123	0.186	0.080	0.124	264.053541	-30.541810	-1206.58	-1841.35
6	GUIDE	966791064	7.76	1065	0.060	0.038	0.061	0.092	263.920275	-30.338943	-558.02	-1313.65
7	GUIDE	896406904	9.01	1064	-0.229	0.168	0.094	0.149	264.311862	-29.742267	1765.55	-2153.39

2.4 Star Slots

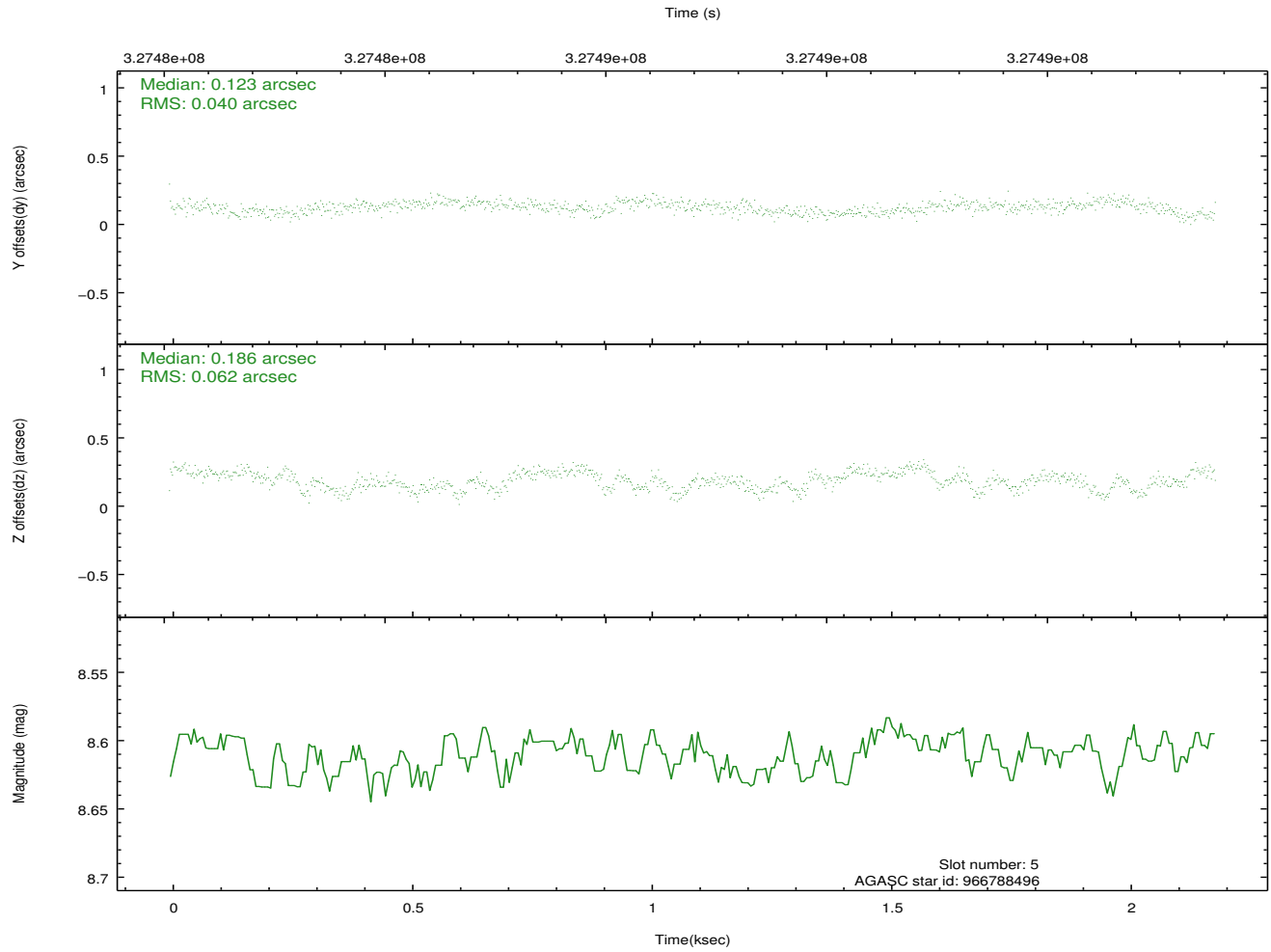
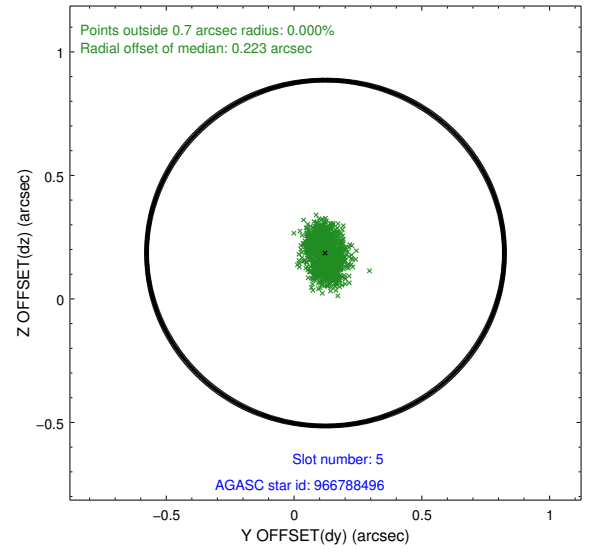
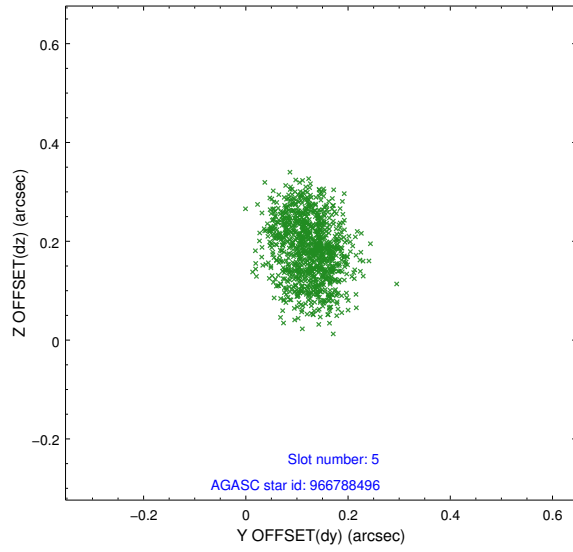
2.4.1 Slot 3



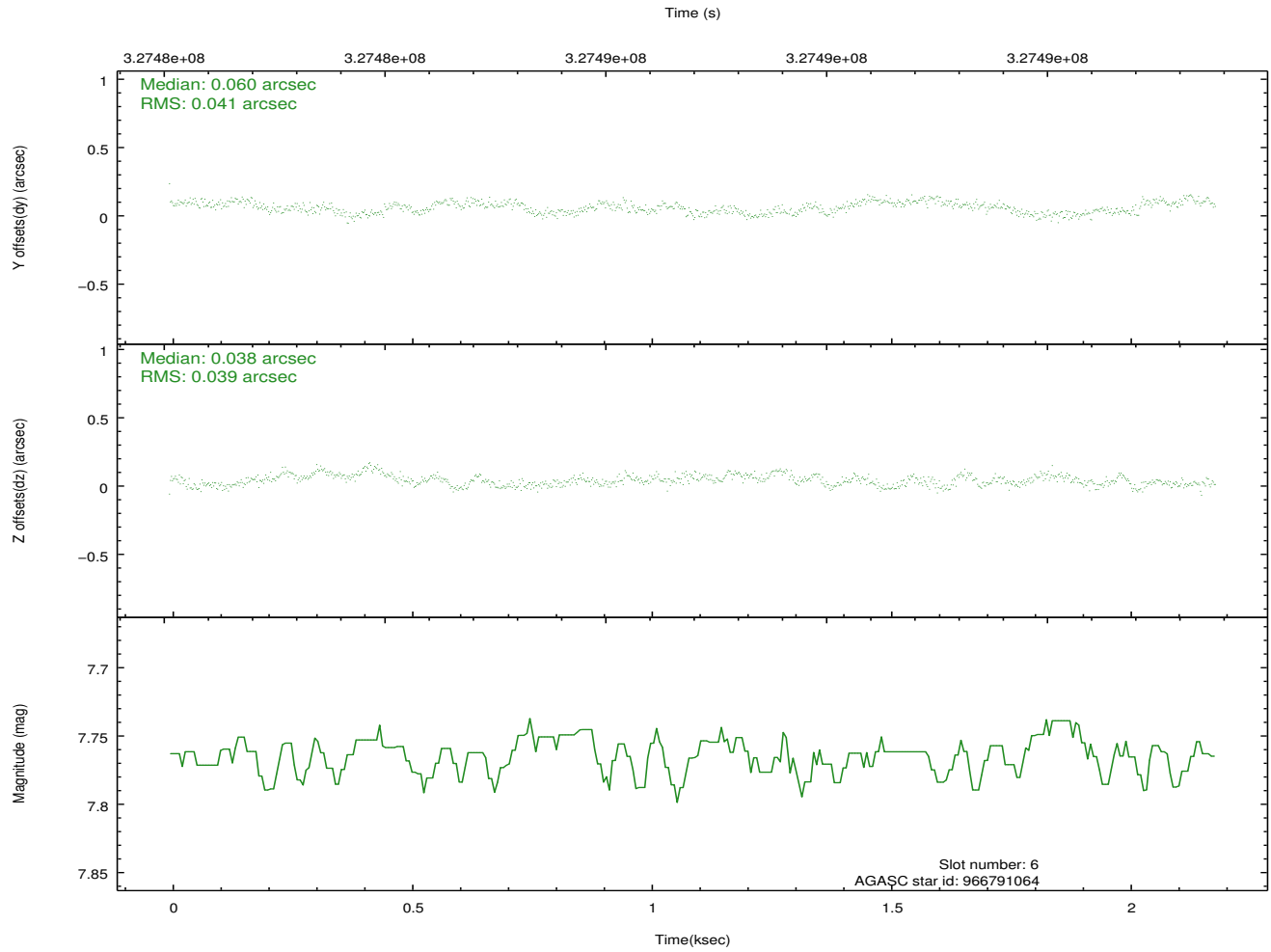
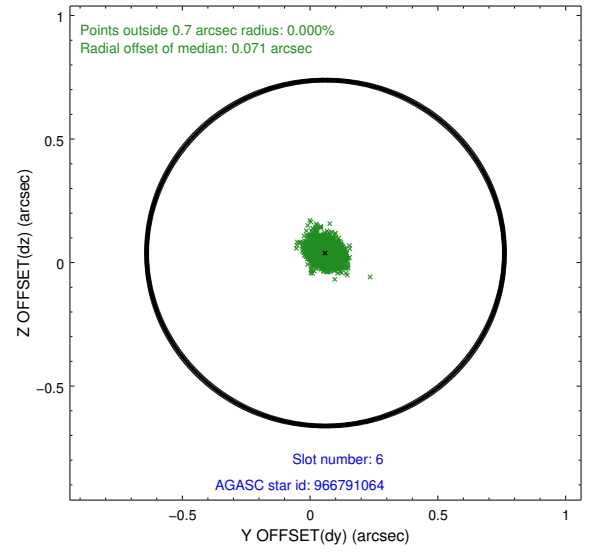
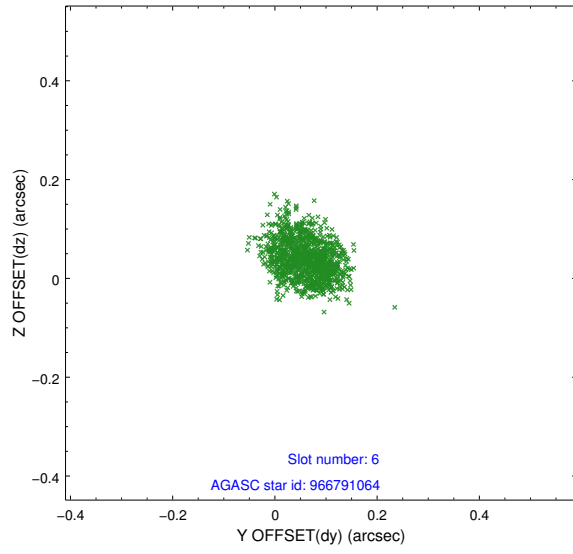
2.4.2 Slot 4



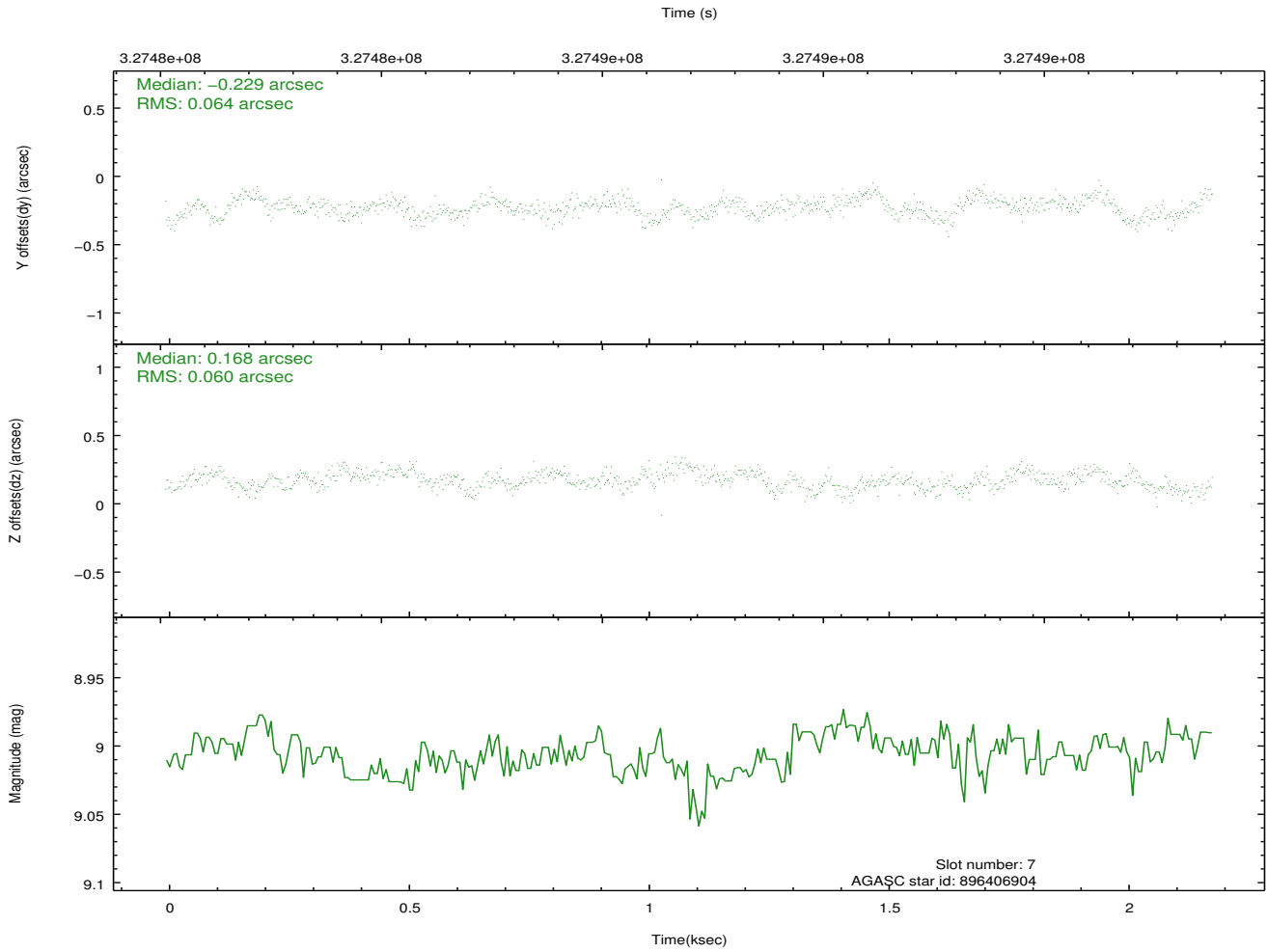
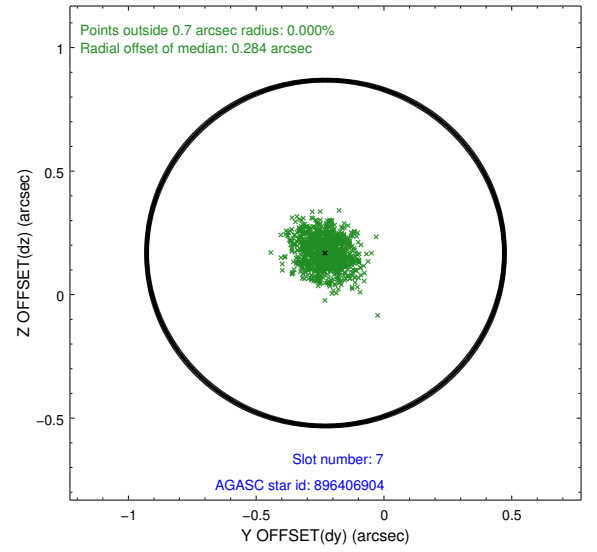
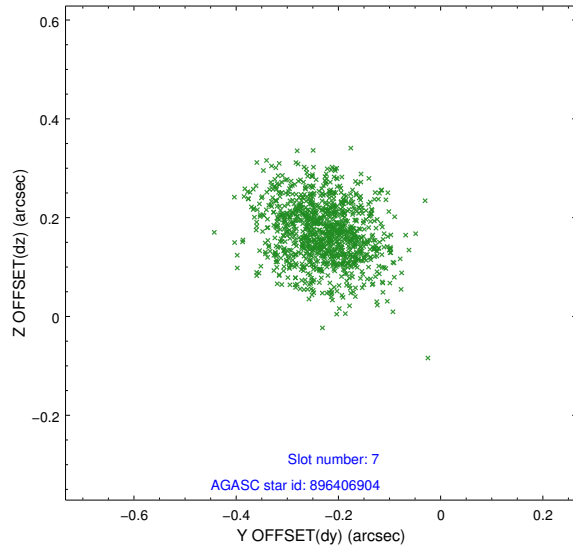
2.4.3 Slot 5



2.4.4 Slot 6

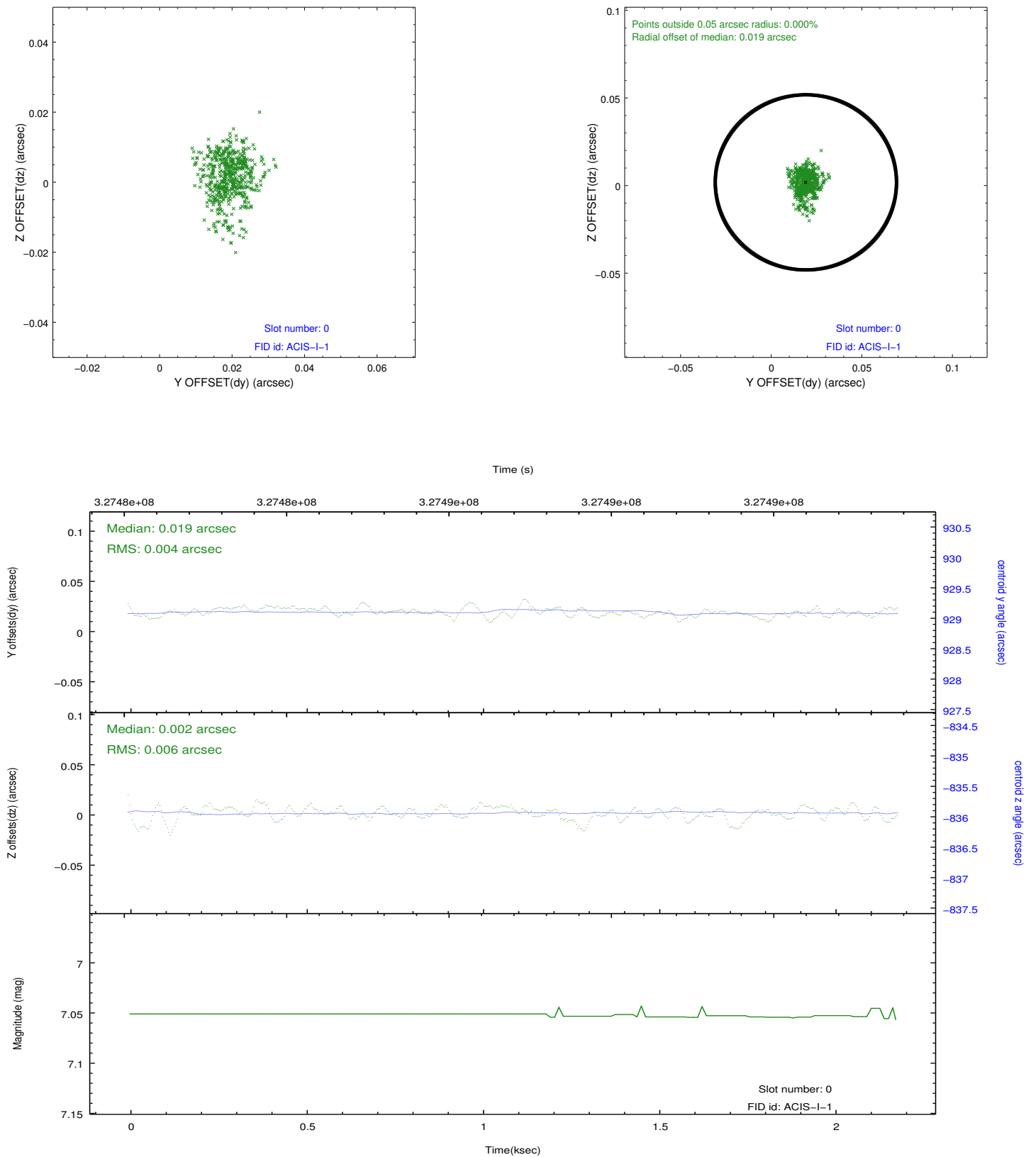


2.4.5 Slot 7

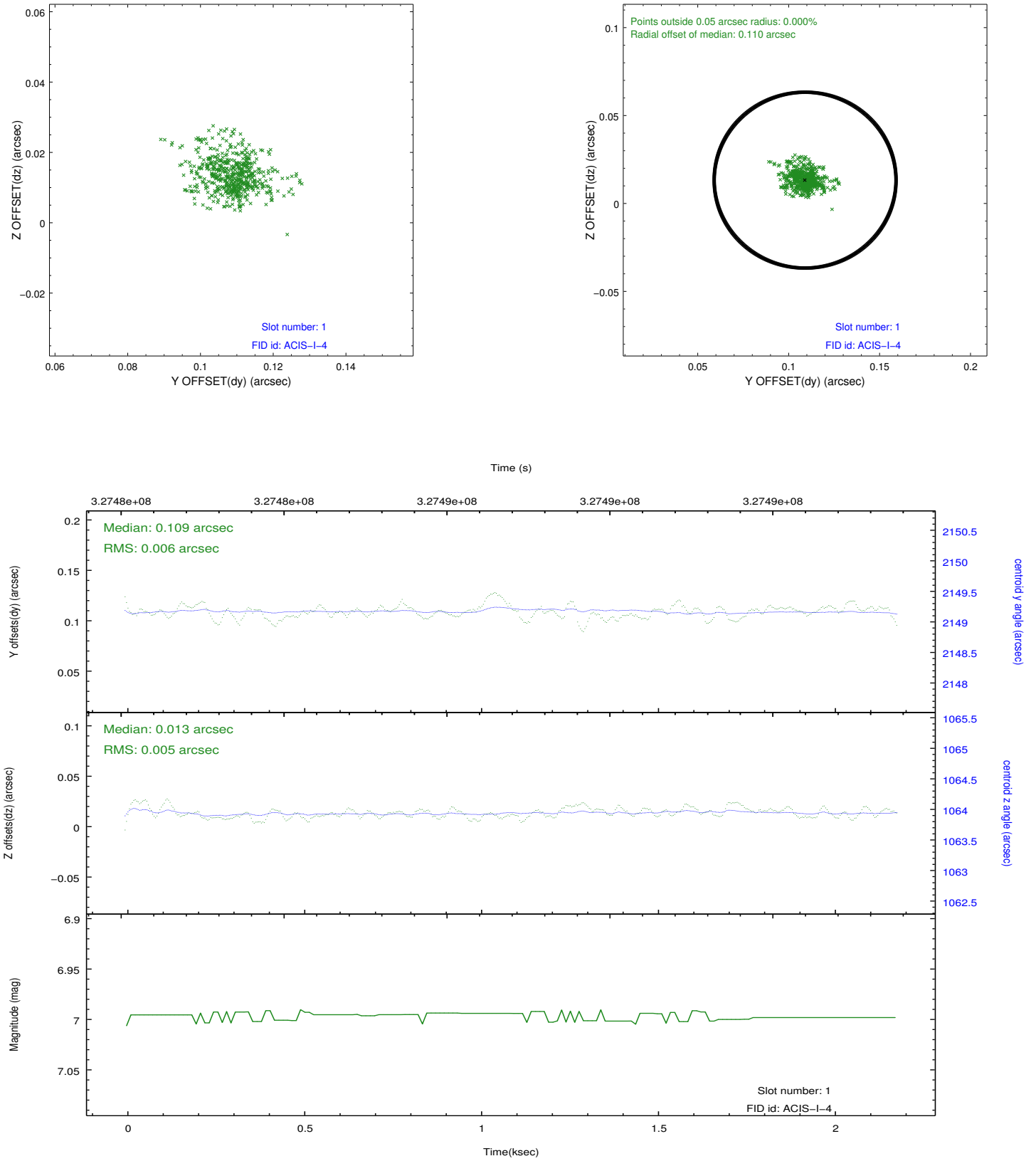


2.5 FID Slots

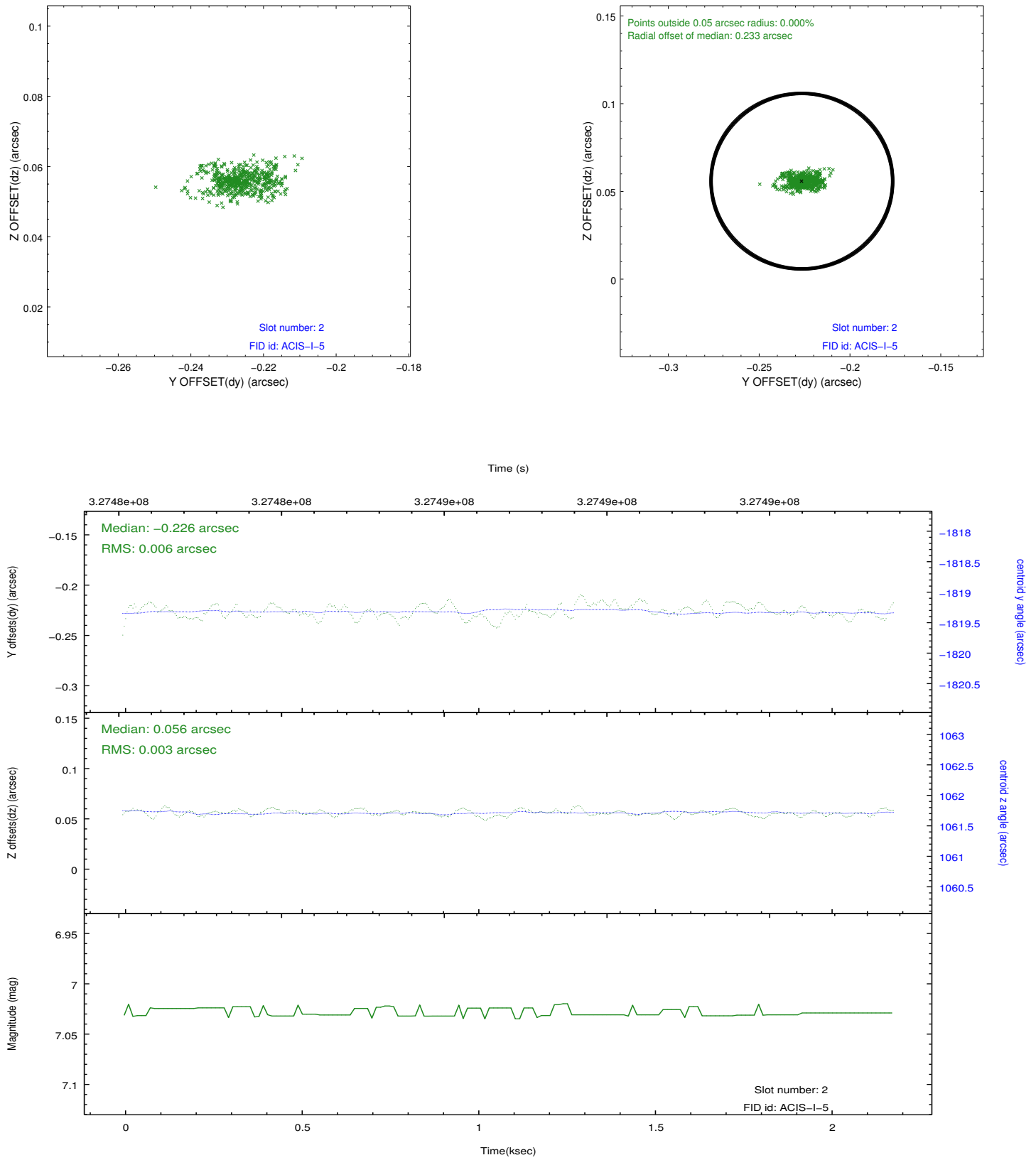
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments