

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8749 - L2 Version 2
Chandra X-Ray Center

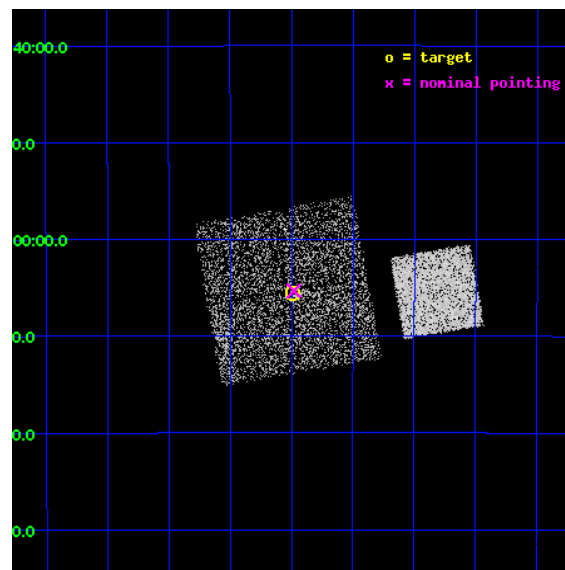
L2 Processing Date : May 14 2012

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1 Front

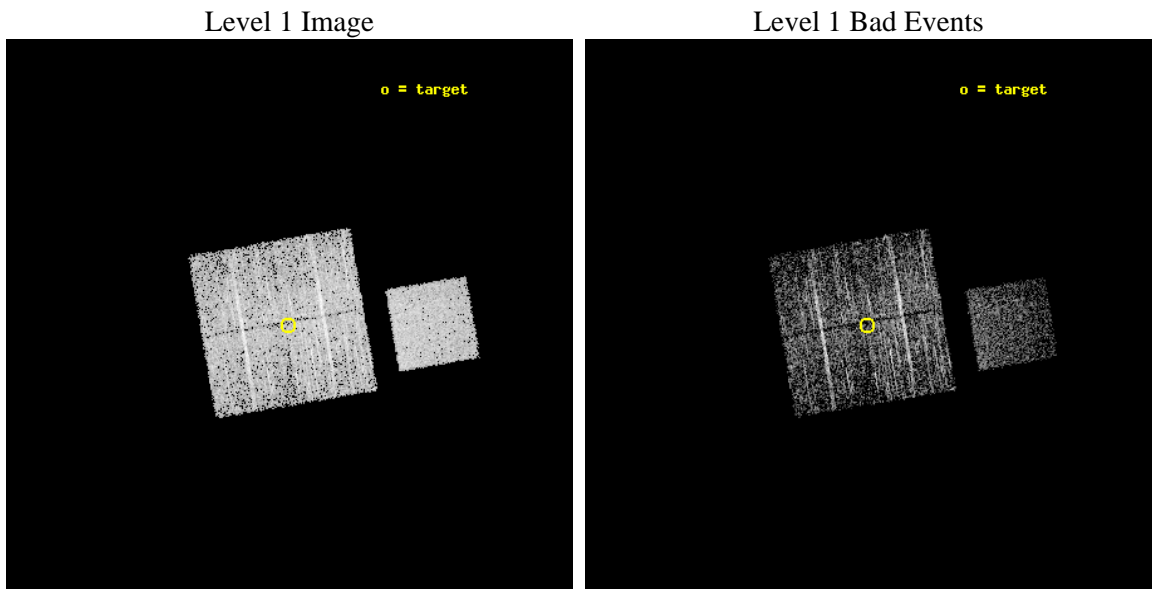
seq_num	400800	Sequence number
obs_id	8749	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.372273	Observer's specified target RA [deg]
dec_targ	-31.093658	Observer's specified target Dec [deg]
ra_nom	266.37027888221	Nominal RA [deg]
dec_nom	-31.088908142412	Nominal Dec [deg]
roll_nom	80.207668585413	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	2185.5000168085	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
ontime7	2185.5000168085	Sum of GTIs [s]
l2events	15348	Number of level 2 events



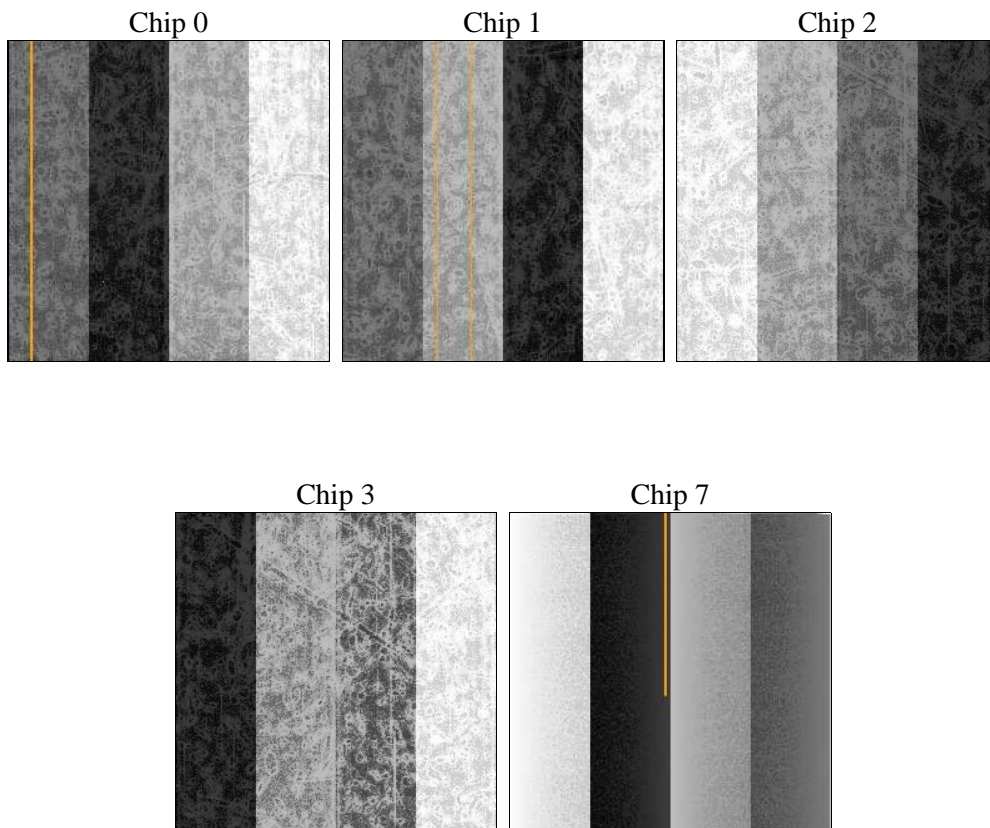
2 OBI

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]
caldsver	4.4.9	 	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-05-14T23:38:04	Date and time of file creation	ontime1	2185.5000168085	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	99522	Number of level 1 events

2.1.4 Events

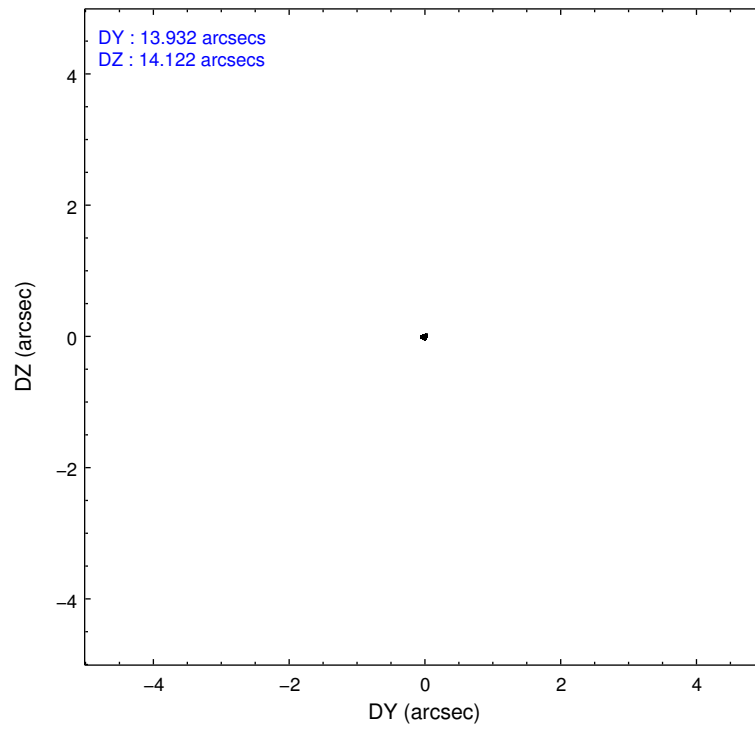
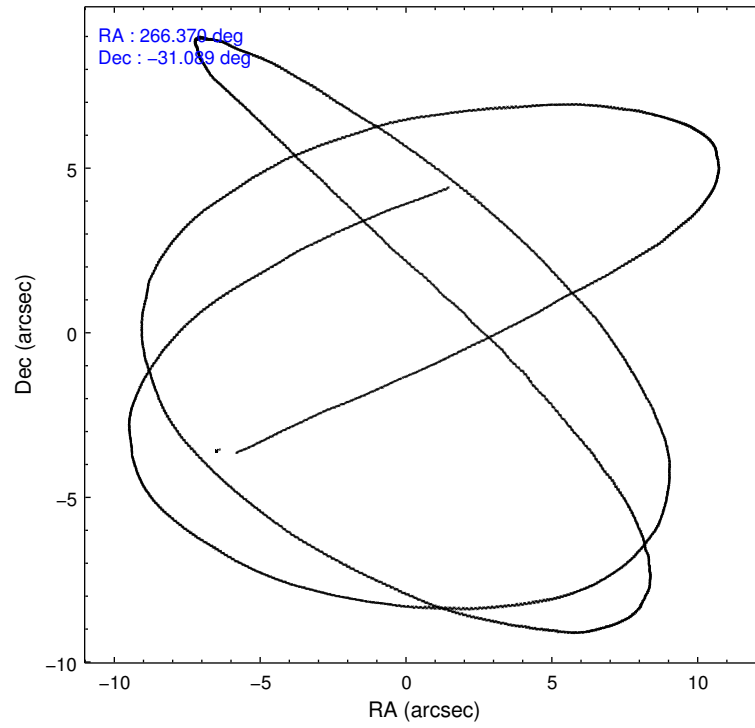
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	17926	17732	20322	21368	22174
rejected events	16108	15644	18431	19416	13177
rejected %	89%	88%	90%	90%	59%

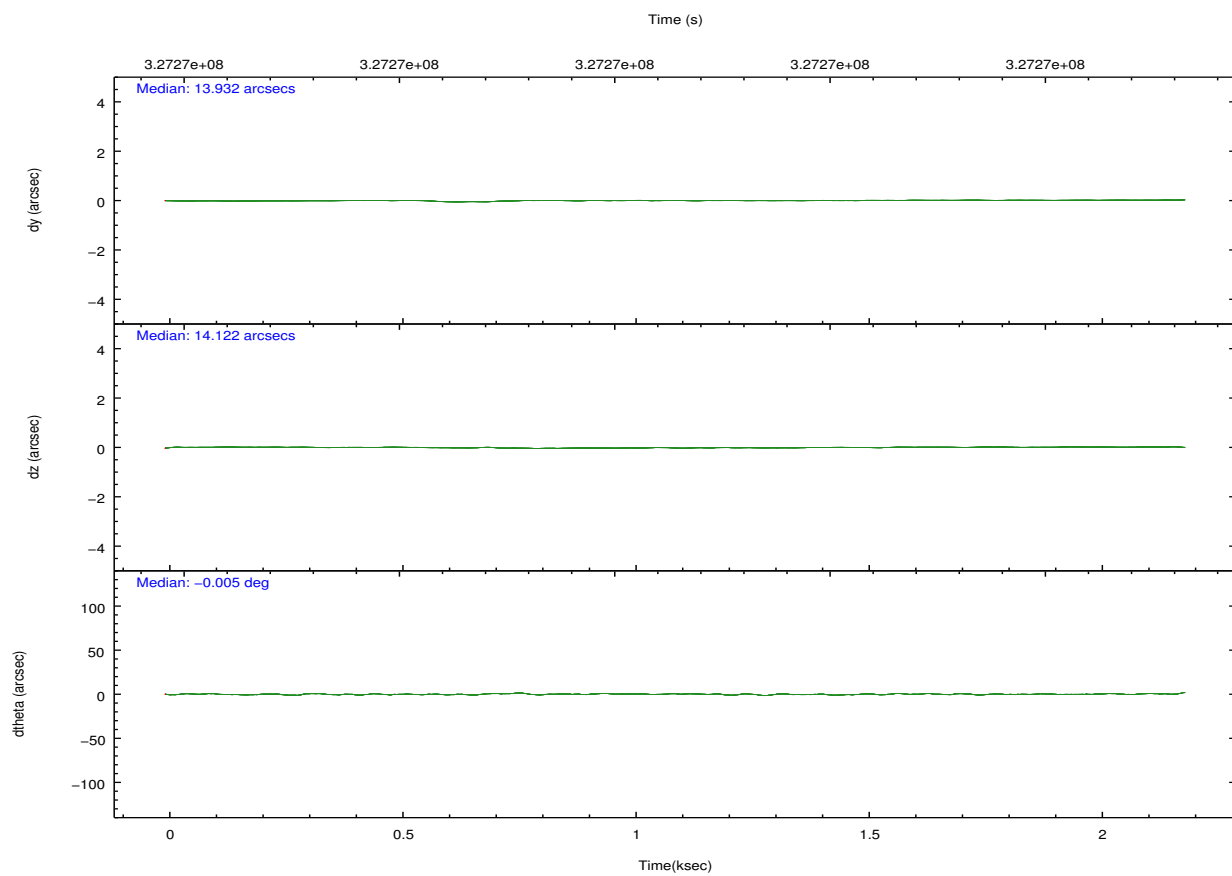
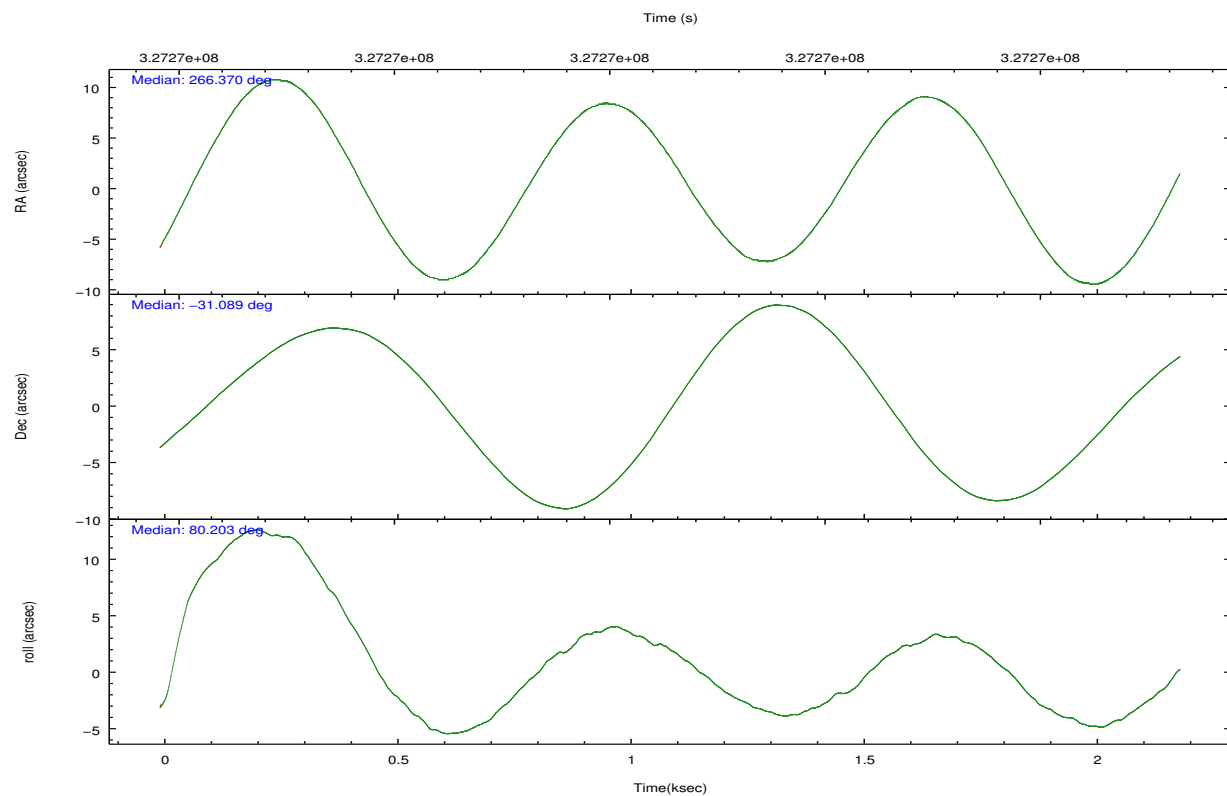
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	765	1018	900	886	994
	4%	5%	4%	4%	4%
grade 1 events	12	13	13	12	24
	0%	0%	0%	0%	0%
grade 2 events	468	510	499	468	2113
	2%	2%	2%	2%	9%
grade 3 events	246	229	198	221	1001
	1%	1%	0%	1%	4%
grade 4 events	224	218	233	245	913
	1%	1%	1%	1%	4%
grade 5 events	681	760	703	859	2280
	3%	4%	3%	4%	10%
grade 6 events	404	438	353	412	5341
	2%	2%	1%	1%	24%
grade 7 events	15126	14546	17423	18265	9508
	84%	82%	85%	85%	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	266.381583	266.3702788822063	CCD I2 on	Y	Y
[deg] Pointing Dec	-31.114690	-31.08890814241216	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004817	80.20766858541266	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)	327267729.184000	327267353.28566	CCD S5 on	N	N
Observation start date	2008-05-15T19:41:04	2008-05-15T19:35:53	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327269729.184000	327269862.99828	On-chip summing requested	N	N
Observation end date	2008-05-15T20:14:24	2008-05-15T20:17:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



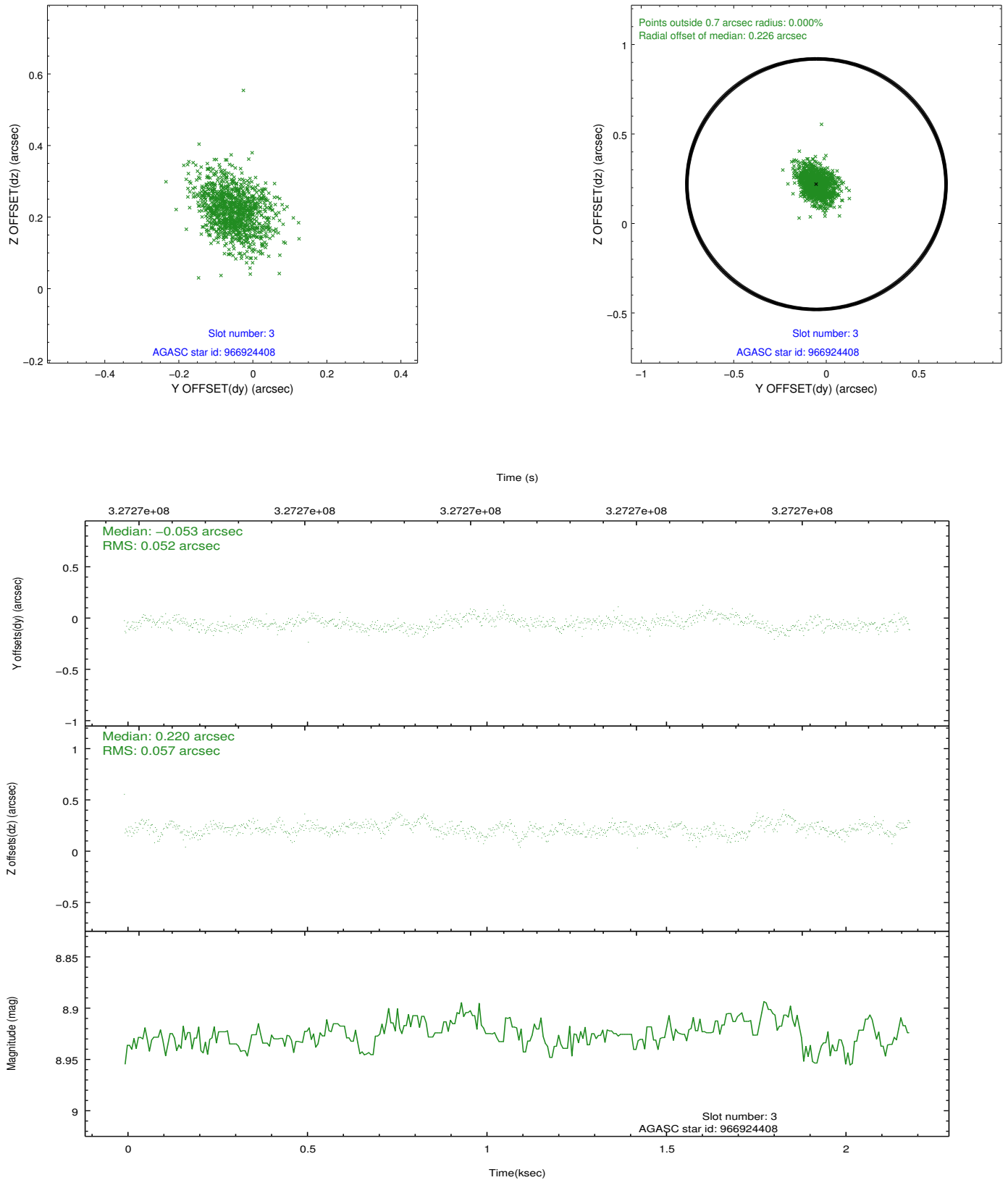


Slot Statistics

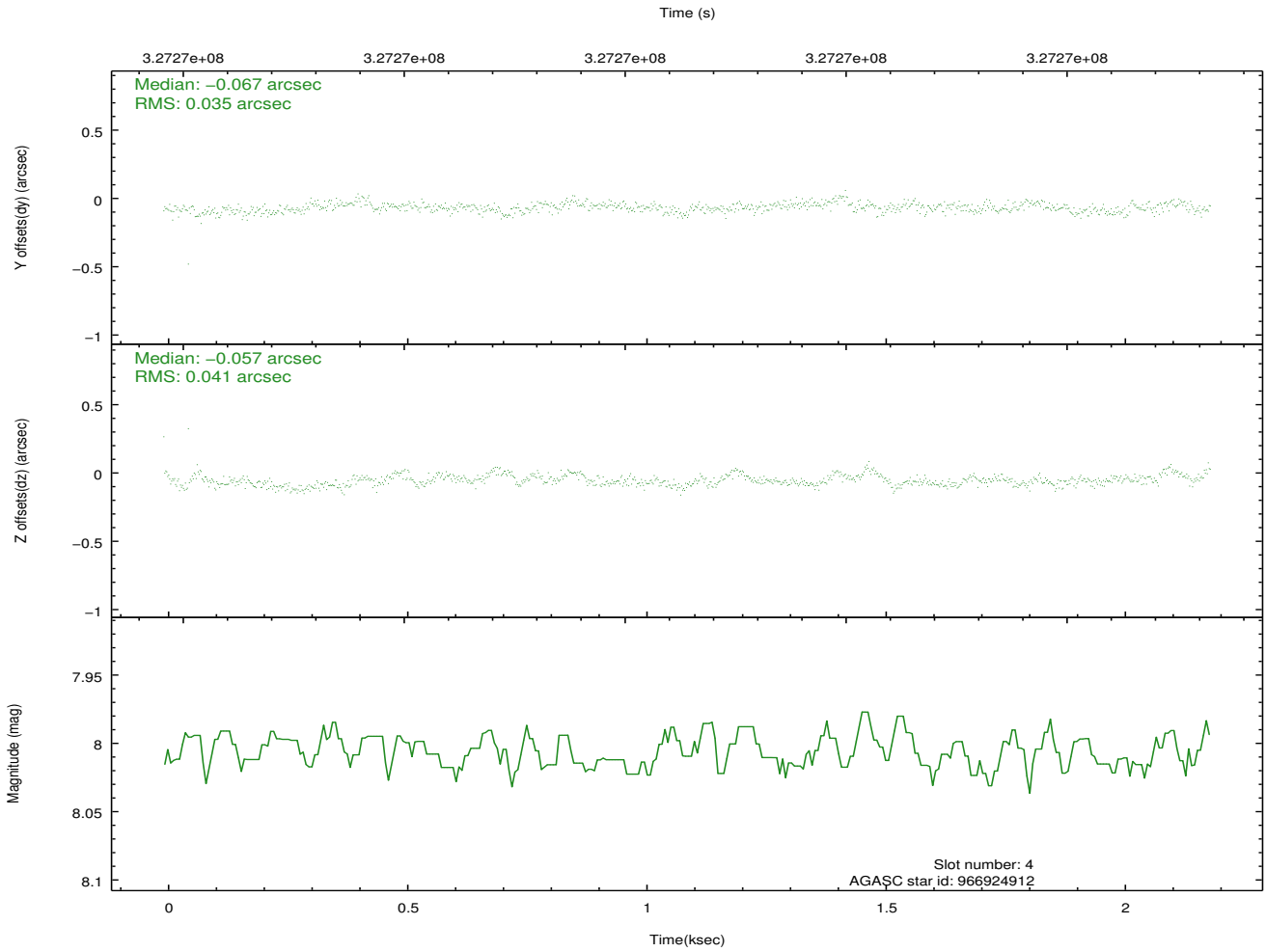
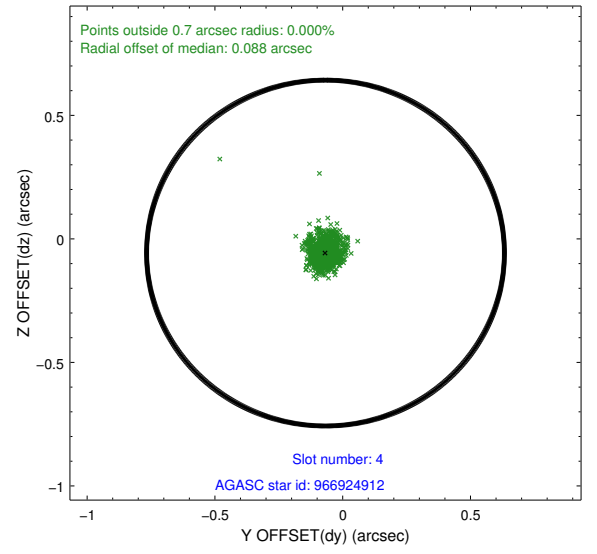
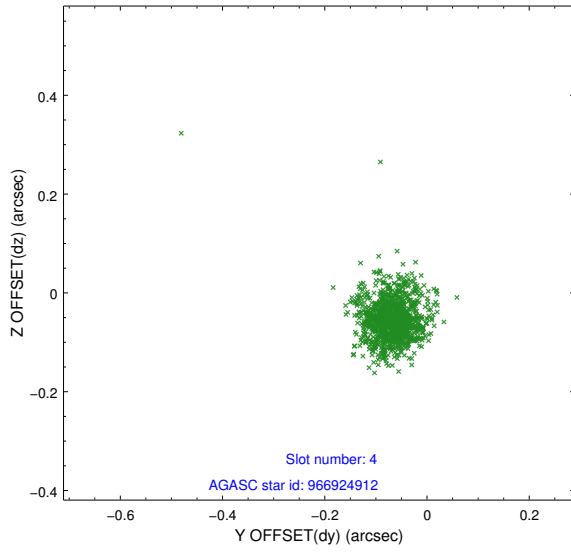
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	534	0.058	0.013	0.006	0.010	0.000000	0.000000	925.66	-837.63
1	FID	ACIS-I-2	6.95	534	-0.058	-0.058	0.008	0.016	0.000000	0.000000	-766.89	-845.72
2	FID	ACIS-I-5	7.02	534	-0.092	0.117	0.006	0.012	0.000000	0.000000	-1824.22	1058.31
3	GUIDE	966924408	8.93	1067	-0.053	0.220	0.081	0.136	266.982893	-30.897884	1086.38	-1694.45
4	GUIDE	966924912	8.01	1068	-0.067	-0.057	0.053	0.090	266.020014	-31.275150	-762.75	993.31
5	GUIDE	966925512	8.27	1068	-0.132	-0.183	0.118	0.166	266.373606	-31.056700	200.51	61.23
6	GUIDE	966926896	9.19	1067	0.083	0.014	0.089	0.138	266.197771	-31.663459	-2043.39	211.59
7	GUIDE	966927176	9.00	1064	0.159	0.012	0.083	0.138	265.946853	-31.673679	-2217.26	962.03

2.4 Star Slots

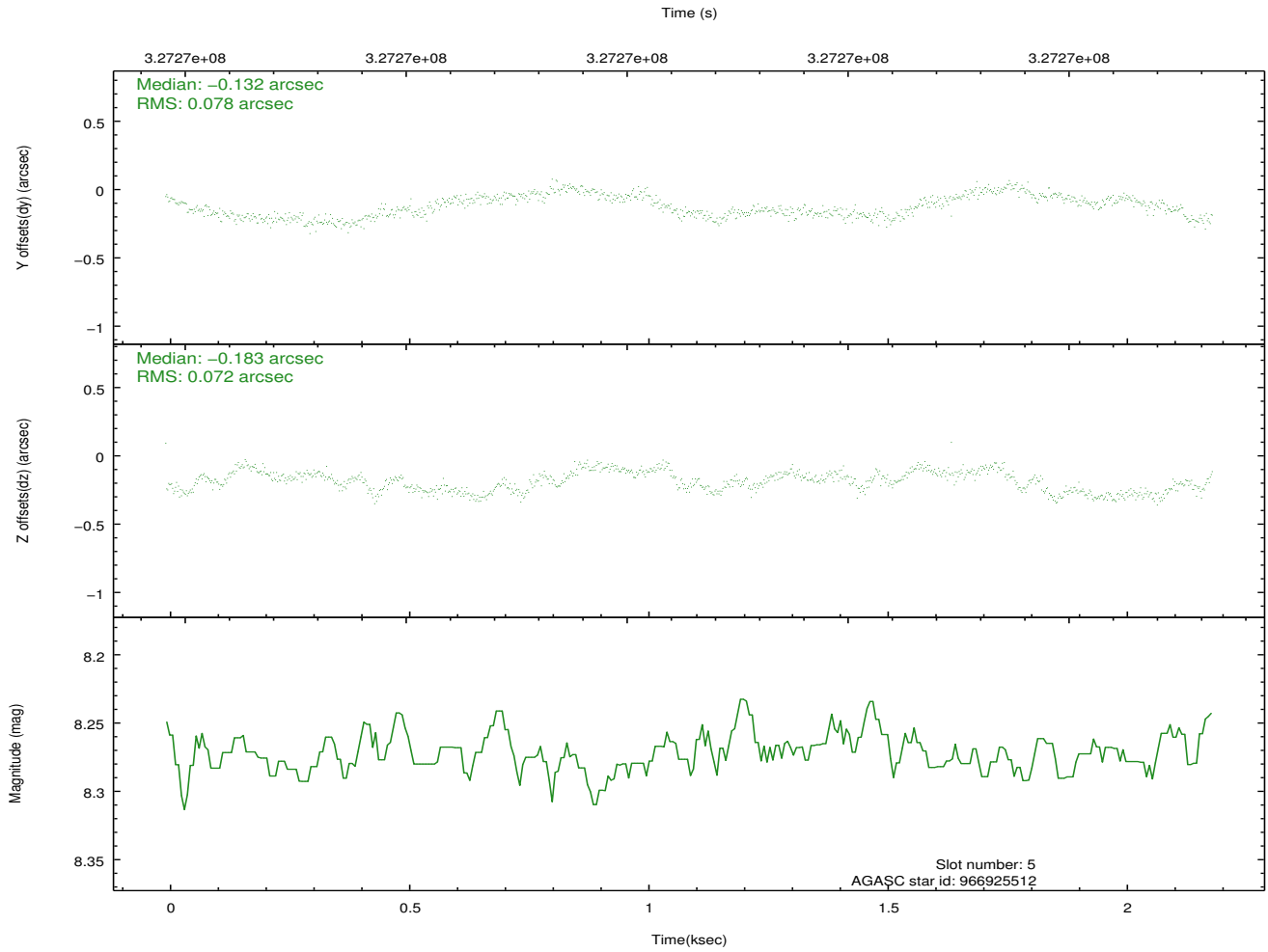
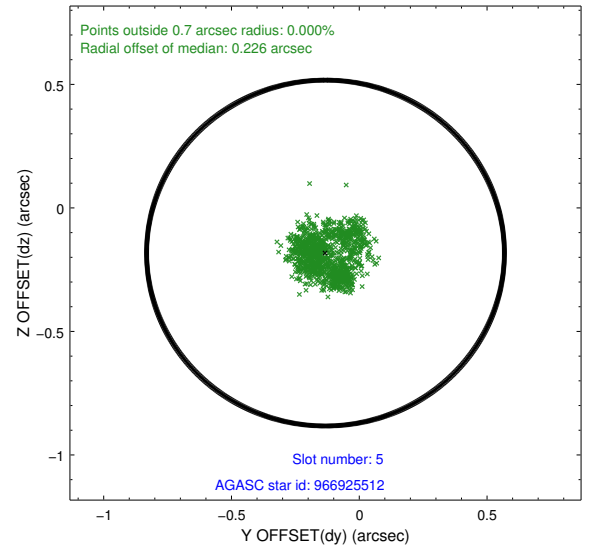
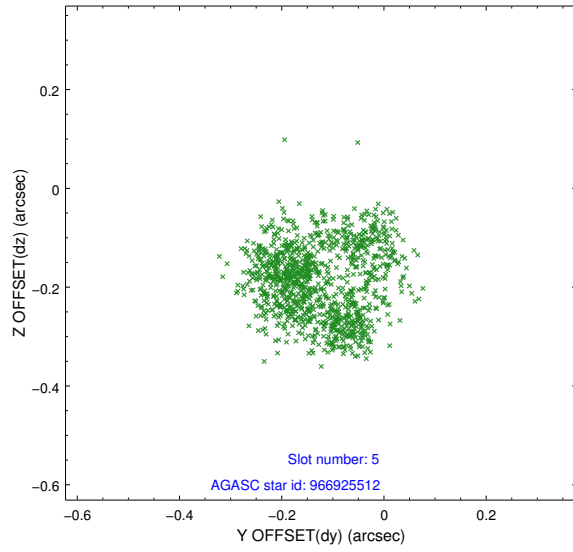
2.4.1 Slot 3



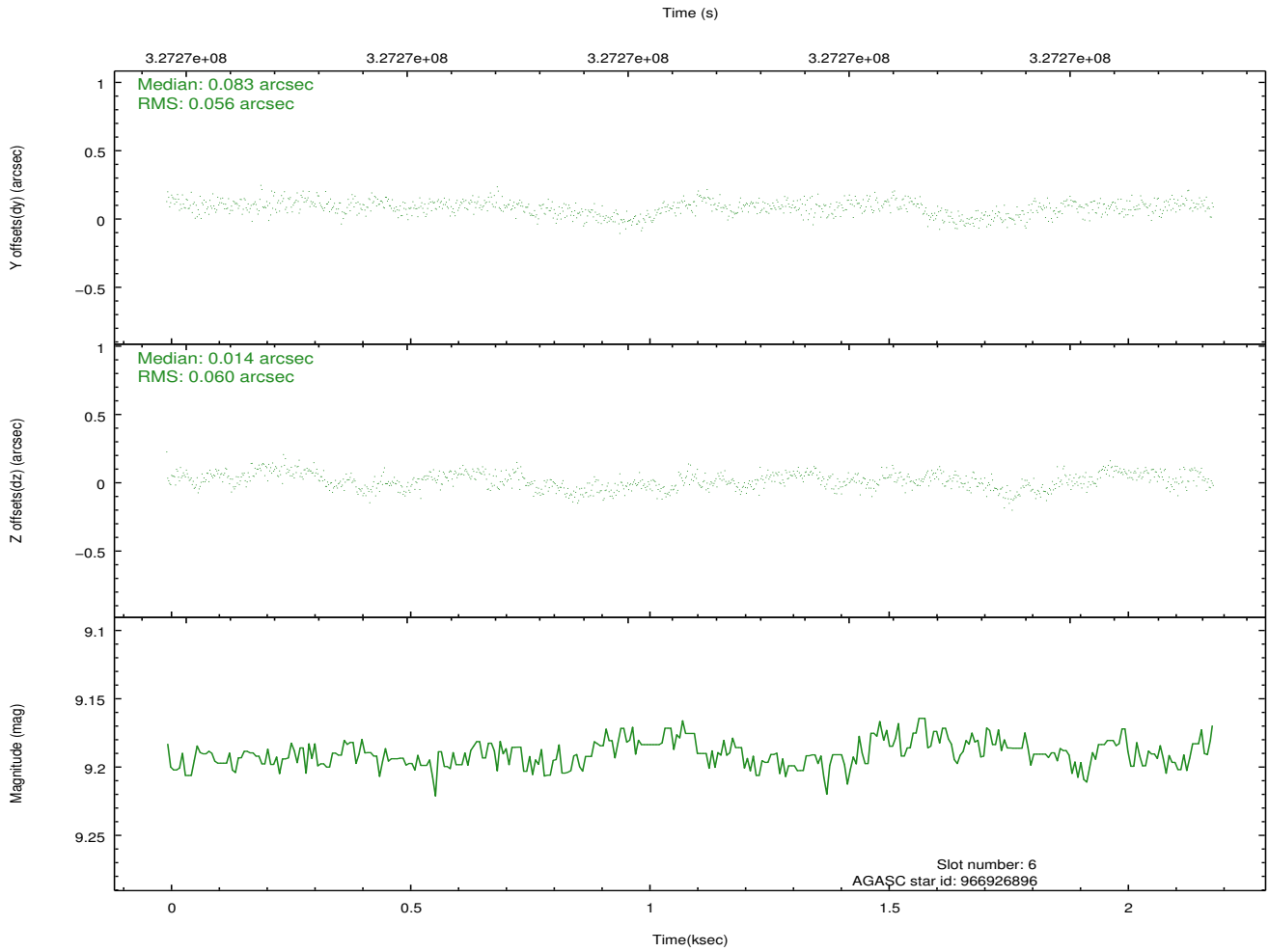
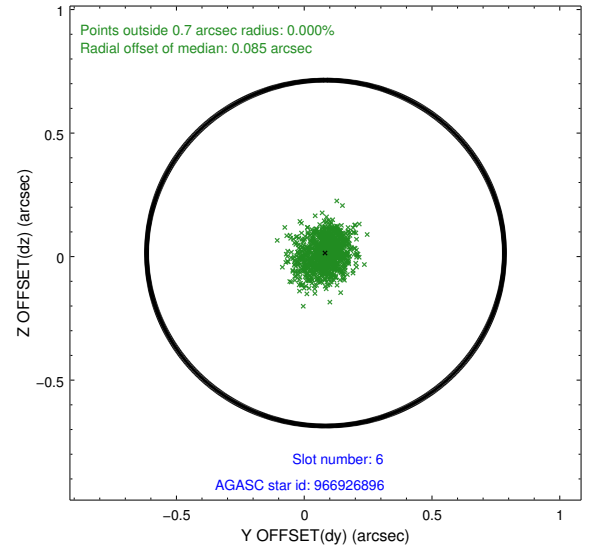
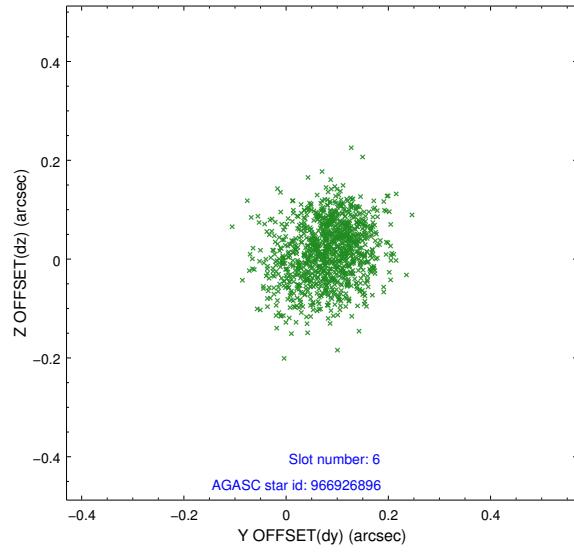
2.4.2 Slot 4



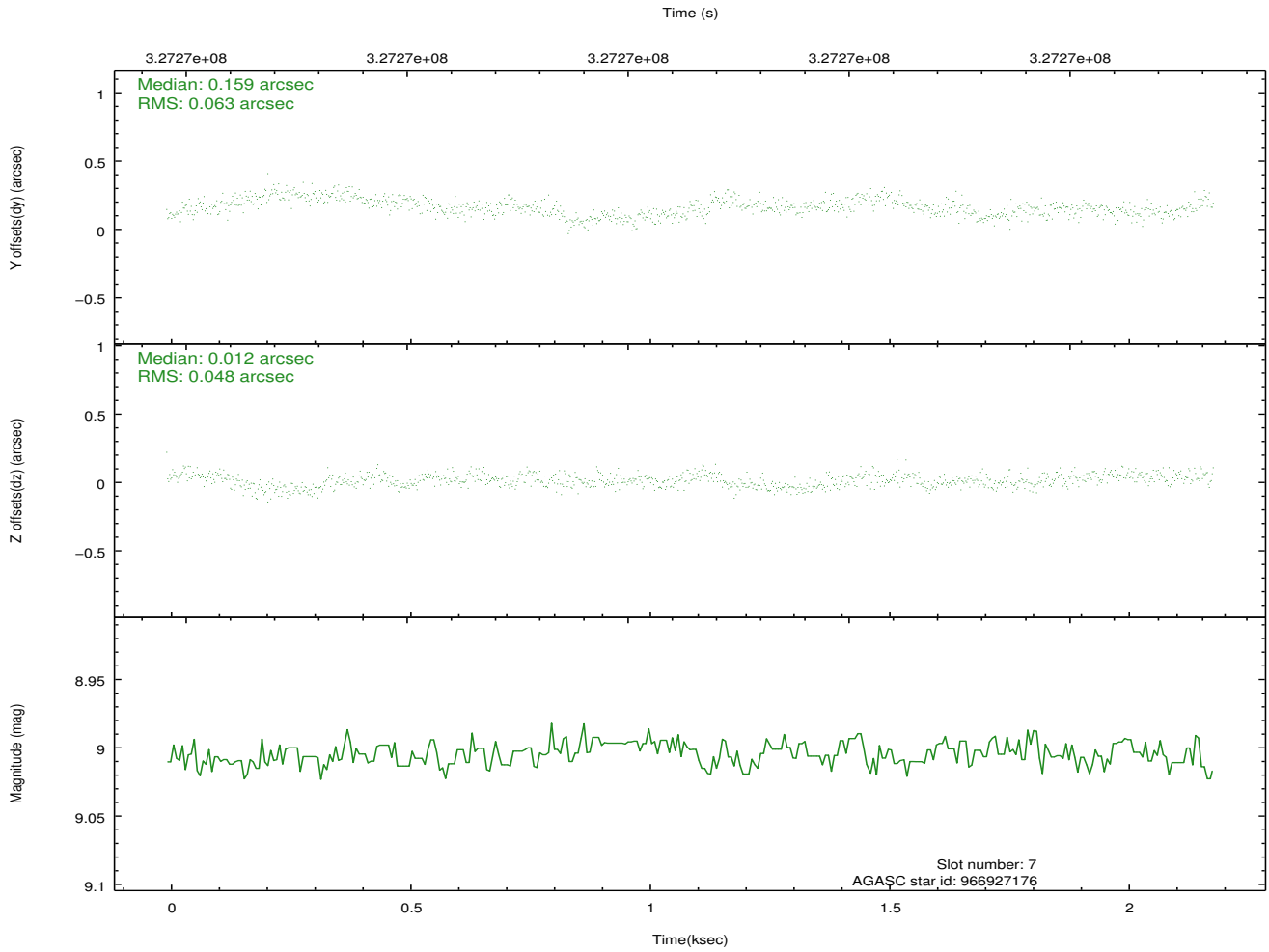
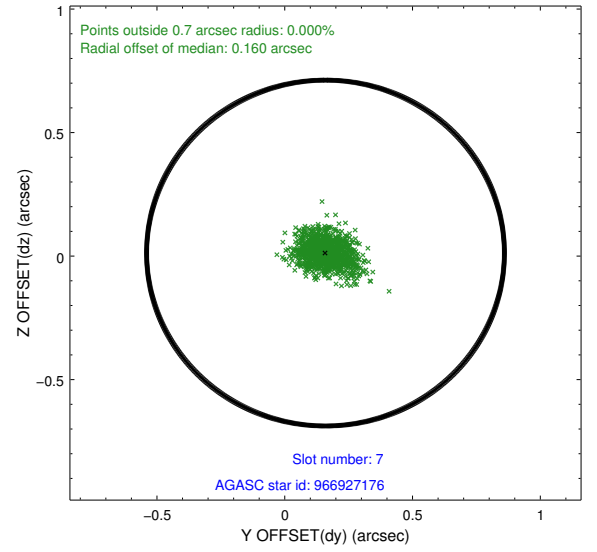
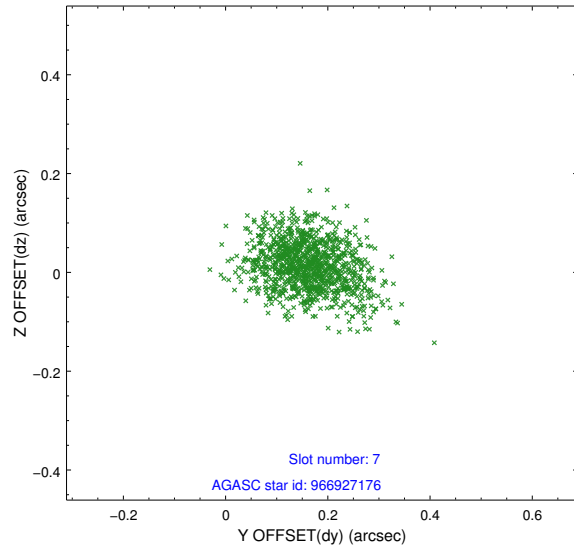
2.4.3 Slot 5



2.4.4 Slot 6

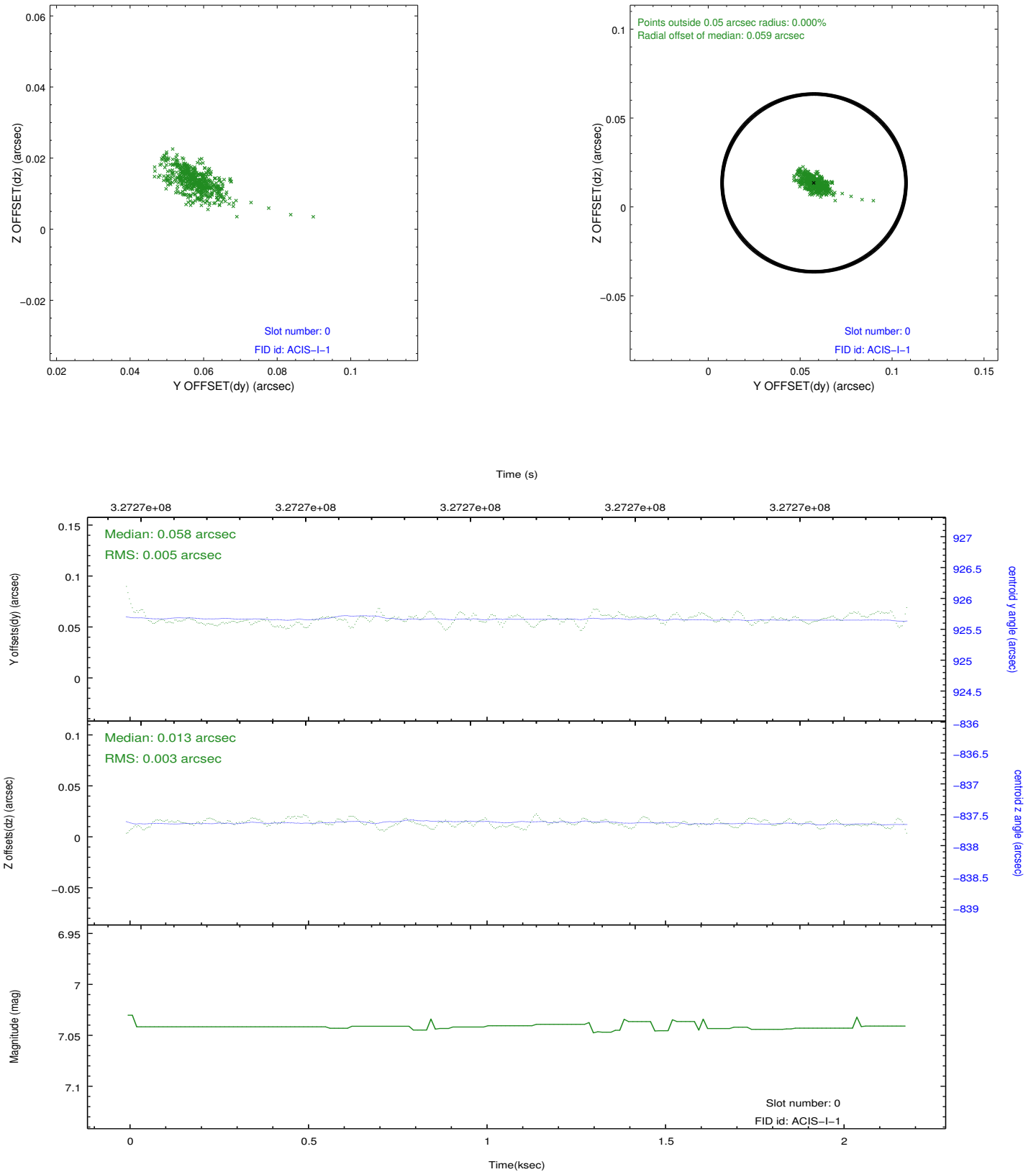


2.4.5 Slot 7

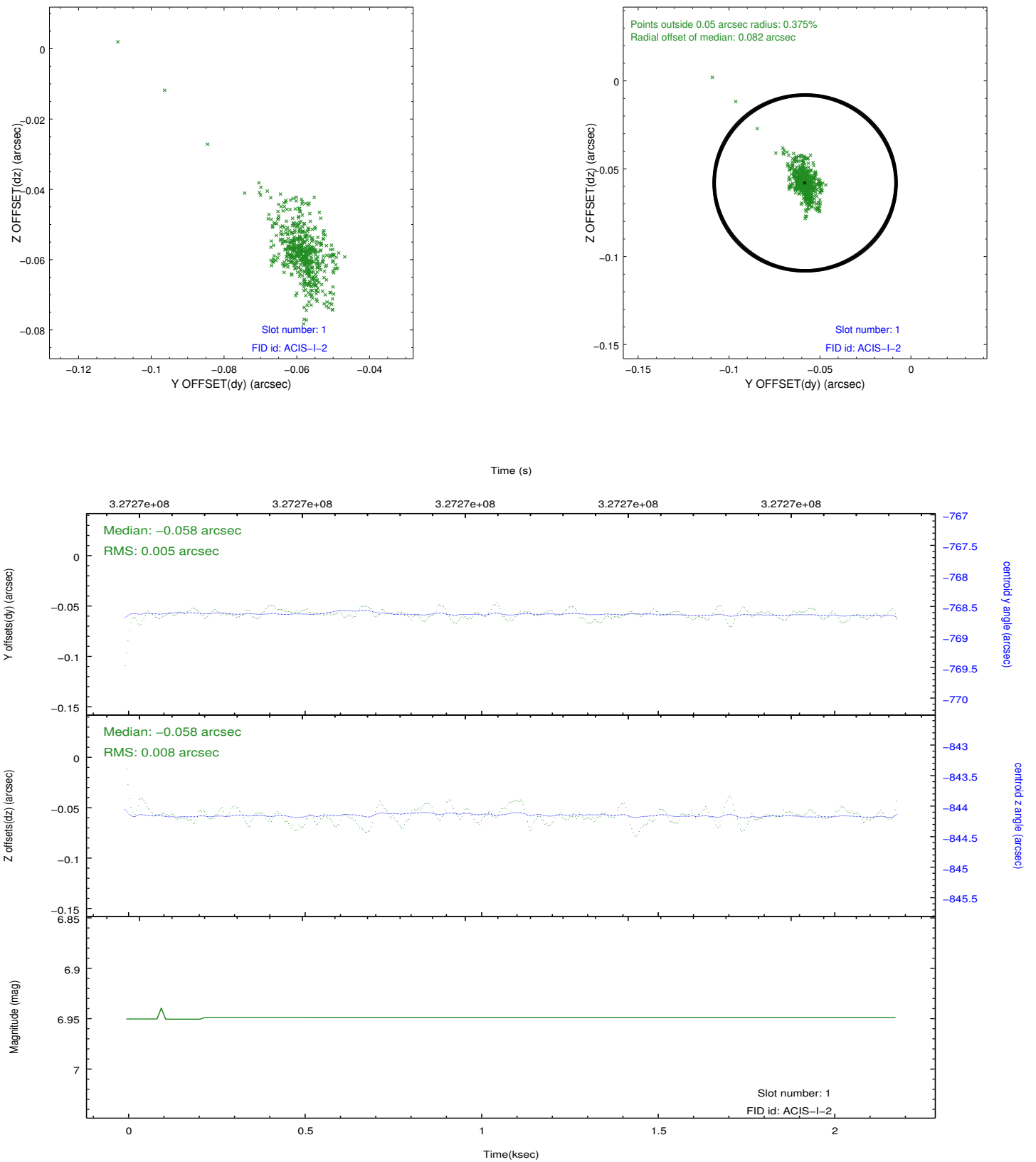


2.5 FID Slots

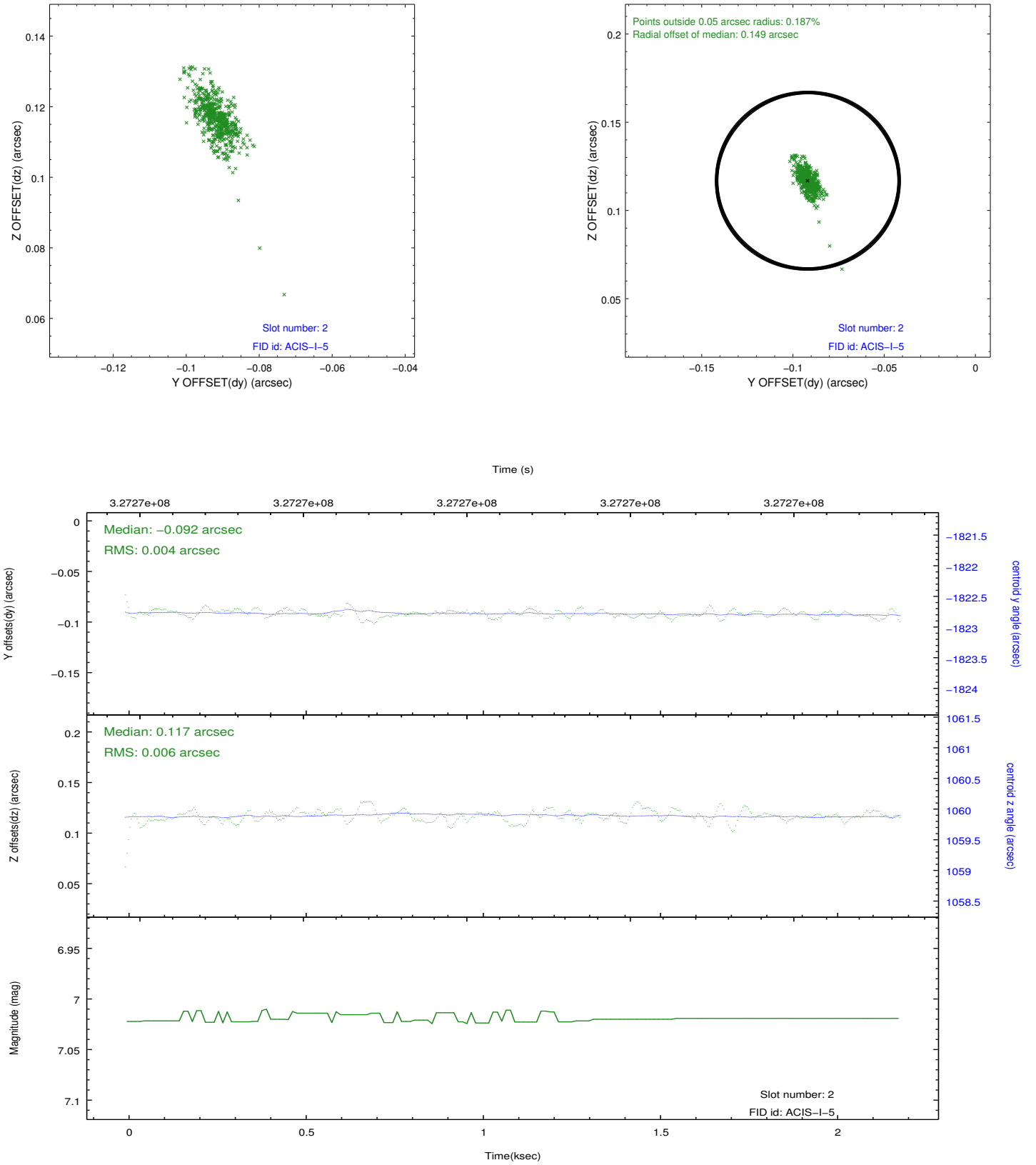
2.5.1 Slot 0



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.