

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8748 - L2 Version 2
Chandra X-Ray Center

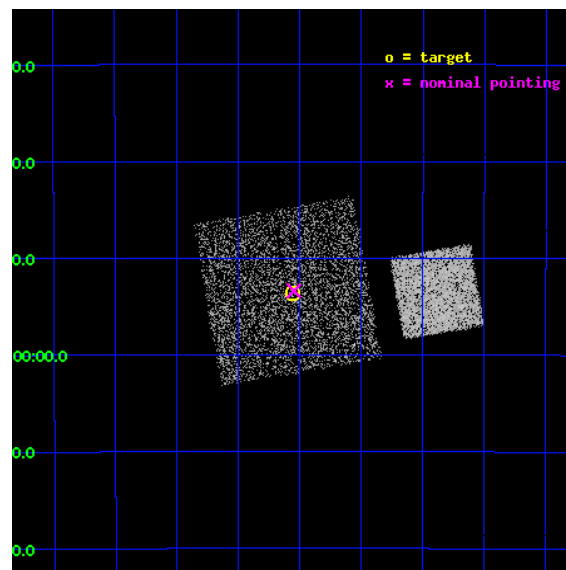
L2 Processing Date : May 14 2012

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1 Front

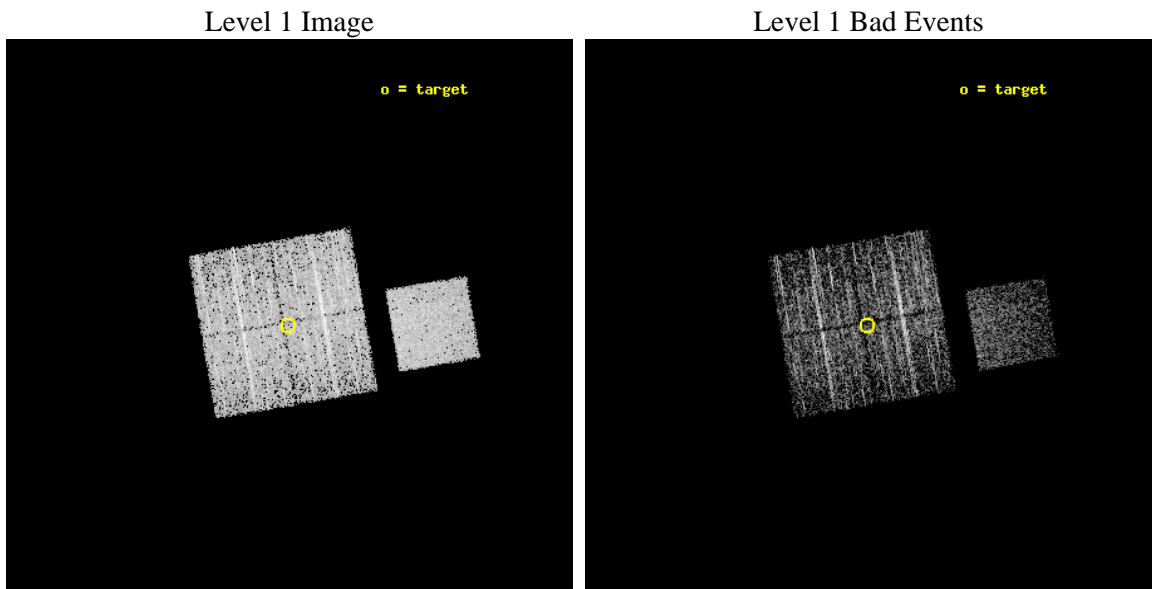
seq_num	400799	Sequence number
obs_id	8748	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.513924	Observer's specified target RA [deg]
dec_targ	-30.89446	Observer's specified target Dec [deg]
ra_nom	266.51194967645	Nominal RA [deg]
dec_nom	-30.889738756135	Nominal Dec [deg]
roll_nom	80.207694449067	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	15064	Number of level 2 events



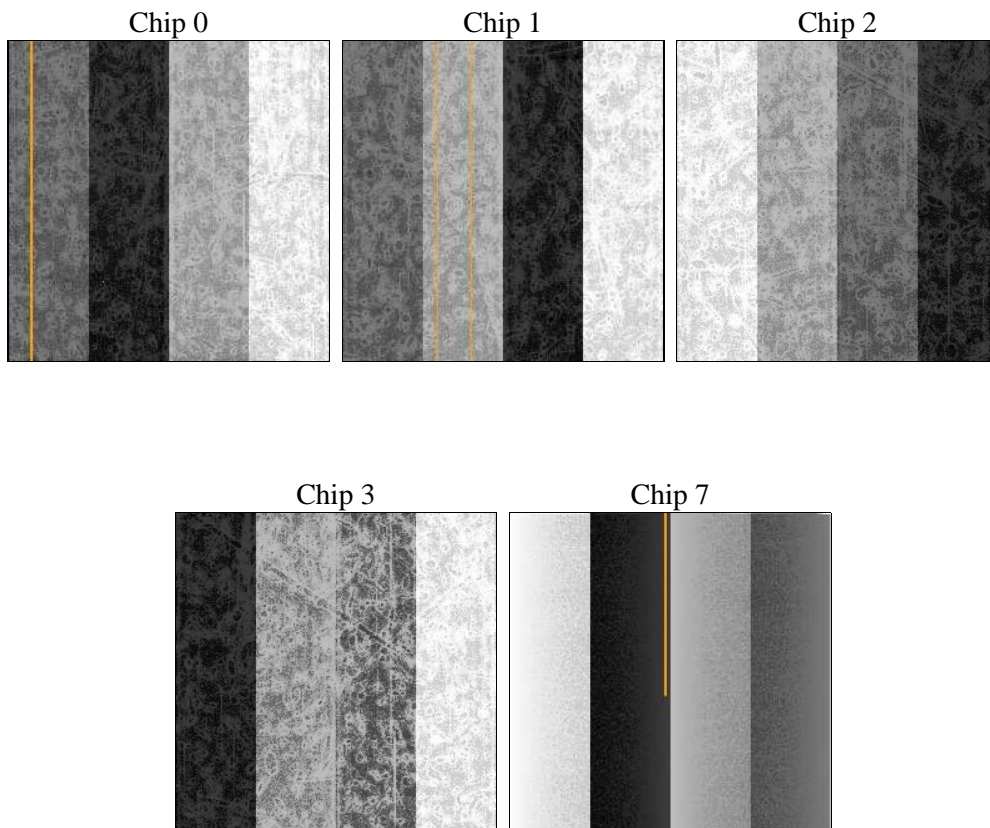
2 OBI

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	2012-05-14T23:38:01	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	101730	Number of level 1 events

2.1.4 Events

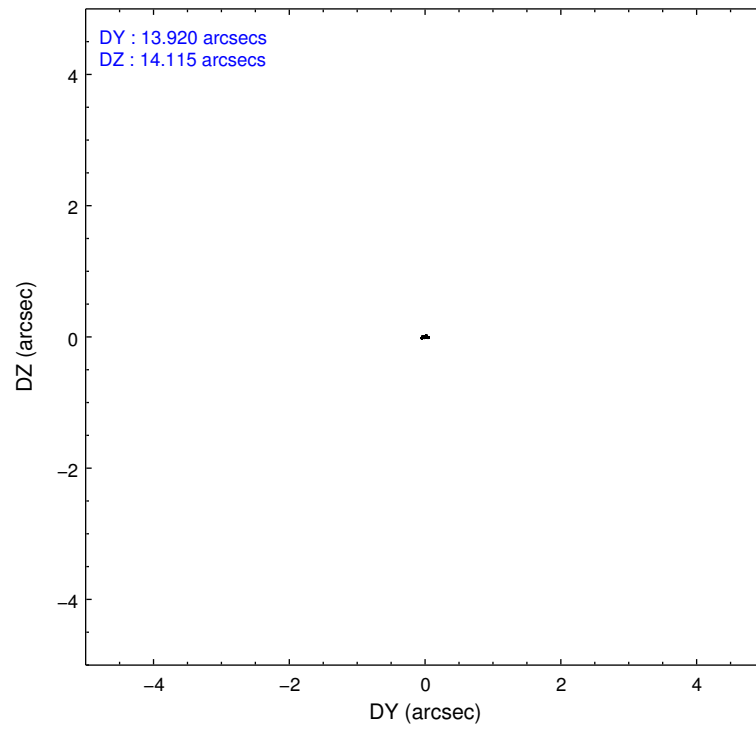
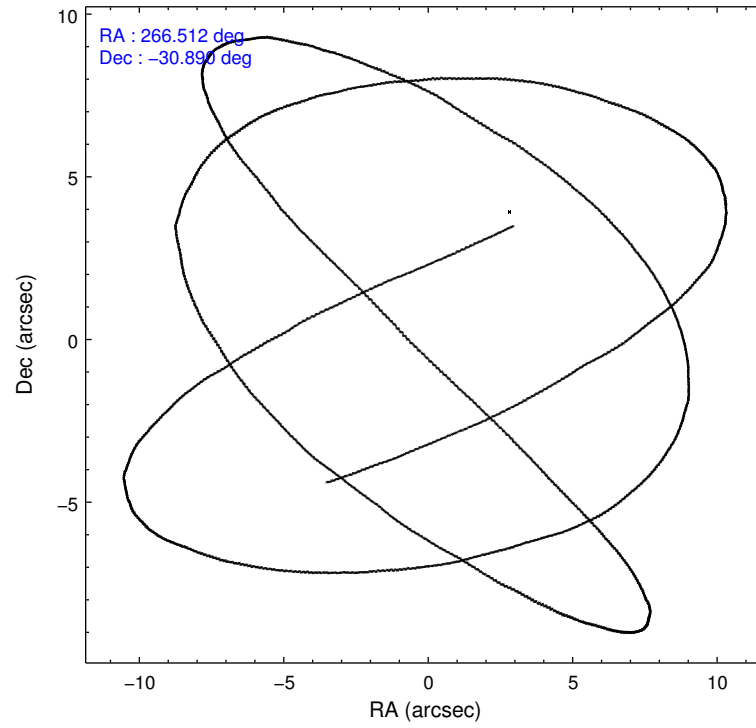
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19450	18639	22000	19220	22421
rejected events	17580	16536	20148	17309	13567
rejected %	90%	88%	91%	90%	60%

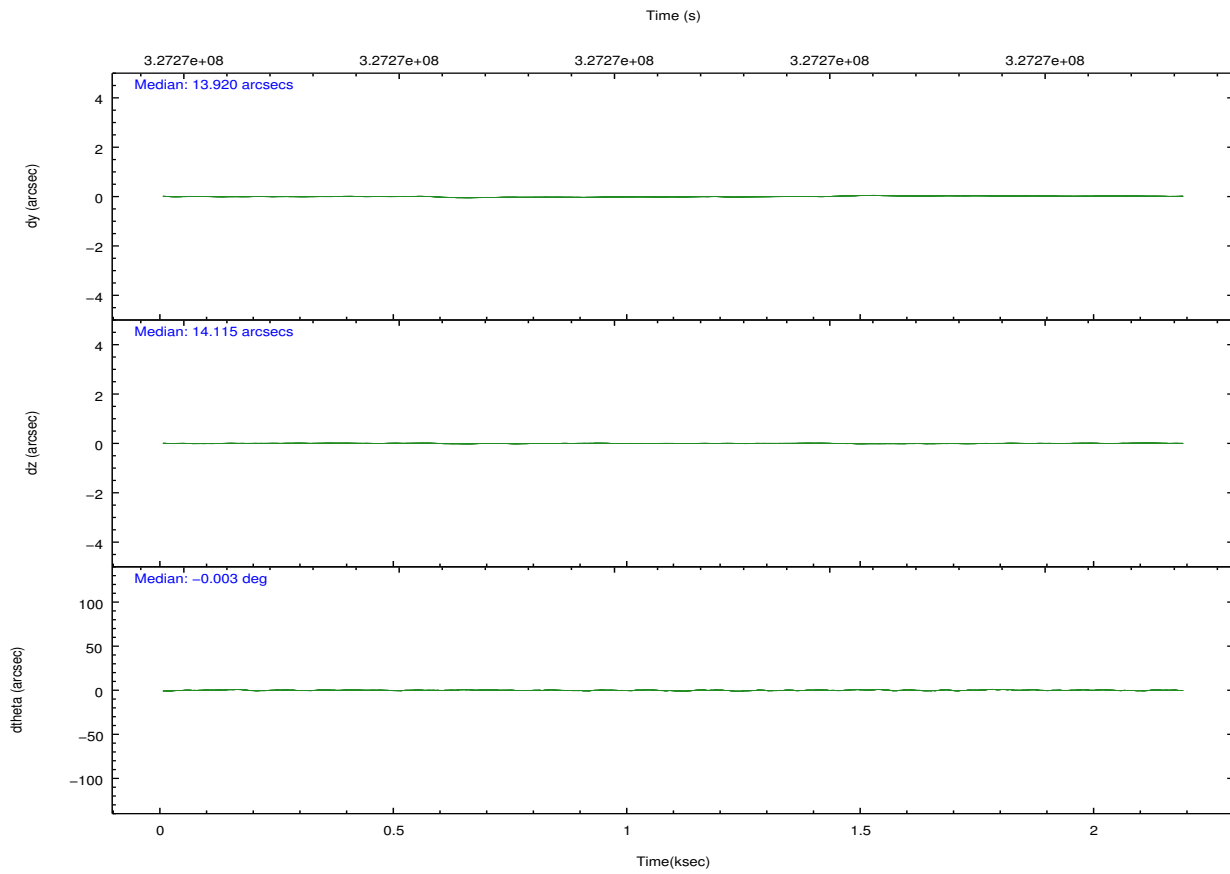
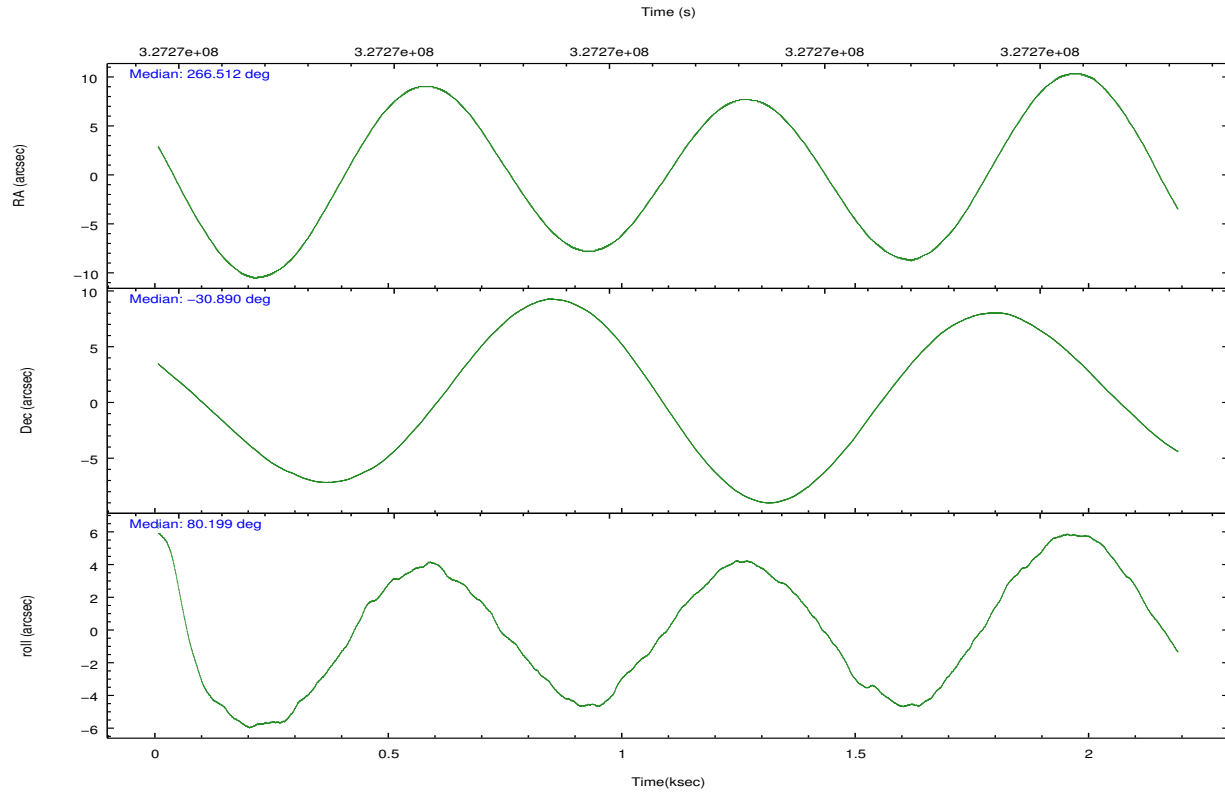
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	830	934	861	899	933
	4%	5%	3%	4%	4%
grade 1 events	10	10	7	16	33
	0%	0%	0%	0%	0%
grade 2 events	520	513	468	479	2065
	2%	2%	2%	2%	9%
grade 3 events	235	258	216	199	918
	1%	1%	0%	1%	4%
grade 4 events	233	275	224	211	983
	1%	1%	1%	1%	4%
grade 5 events	672	728	696	827	2360
	3%	3%	3%	4%	10%
grade 6 events	348	464	345	392	5291
	1%	2%	1%	2%	23%
grade 7 events	16602	15457	19183	16197	9838
	85%	82%	87%	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	266.523209	266.5119496764524	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.915492	-30.88973875613488	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004771	80.20769444906672	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)	327270239.184000	327269862.99828	CCD S5 on	N	N
Observation start date	2008-05-15T20:22:54	2008-05-15T20:17:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327272239.184000	327272373.22341	On-chip summing requested	N	N
Observation end date	2008-05-15T20:56:14	2008-05-15T20:59:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



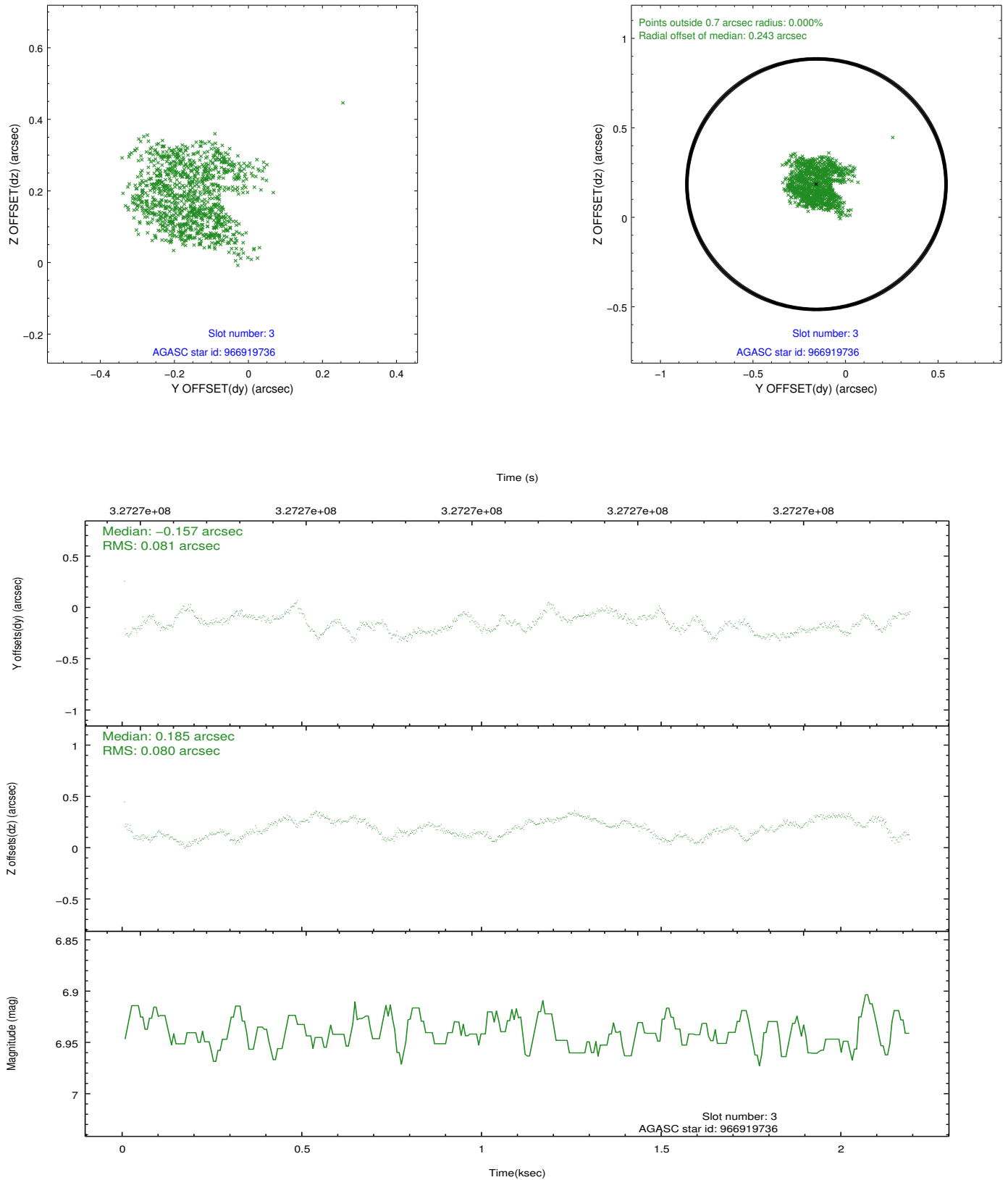


Slot Statistics

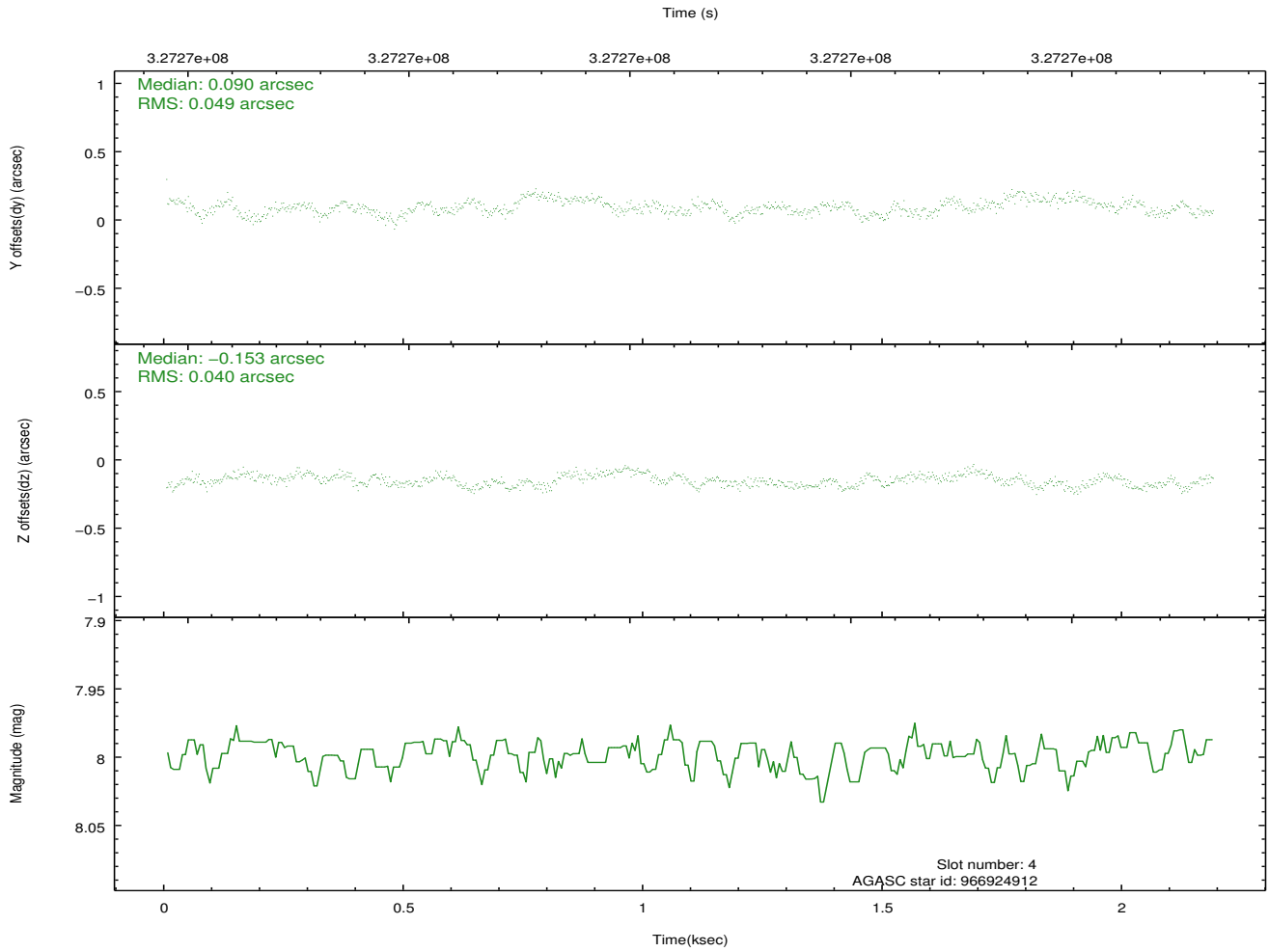
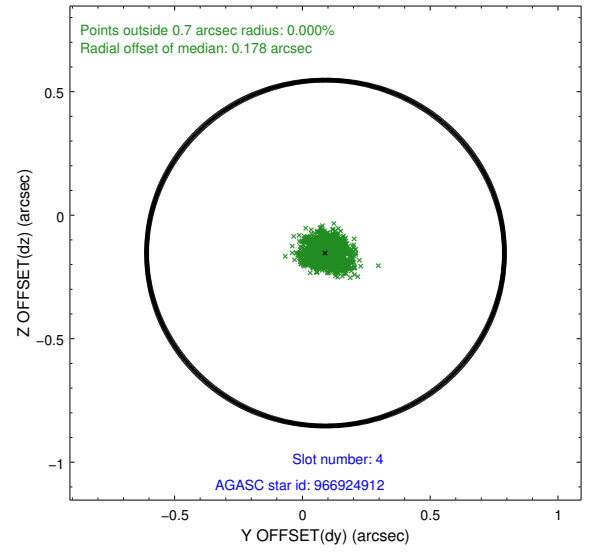
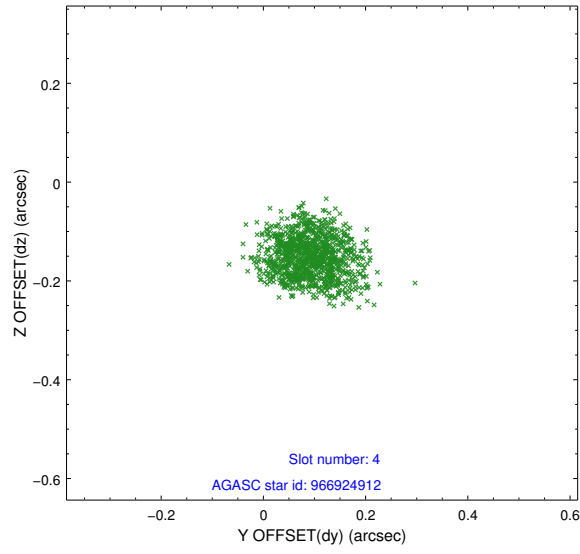
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	533	0.021	0.029	0.006	0.011	0.000000	0.000000	925.60	-837.65
1	FID	ACIS-I-5	7.02	533	-0.204	0.034	0.006	0.011	0.000000	0.000000	-1821.11	1058.31
2	FID	ACIS-I-6	7.04	533	0.092	0.006	0.006	0.011	0.000000	0.000000	387.93	1706.20
3	GUIDE	966919736	6.94	1067	-0.157	0.185	0.126	0.177	267.322278	-30.597445	1548.91	-2241.44
4	GUIDE	966924912	8.00	1065	0.090	-0.153	0.069	0.105	266.020014	-31.275150	-1545.68	1297.06
5	GUIDE	966925512	8.27	1067	0.029	-0.157	0.070	0.108	266.373606	-31.056700	-582.33	367.17
6	GUIDE	966926880	8.68	1067	0.192	-0.051	0.062	0.097	265.970408	-31.411350	-2057.25	1362.21
7	GUIDE	966920512	8.39	1066	-0.155	0.173	0.066	0.111	267.231170	-30.494681	1864.79	-1899.31

2.4 Star Slots

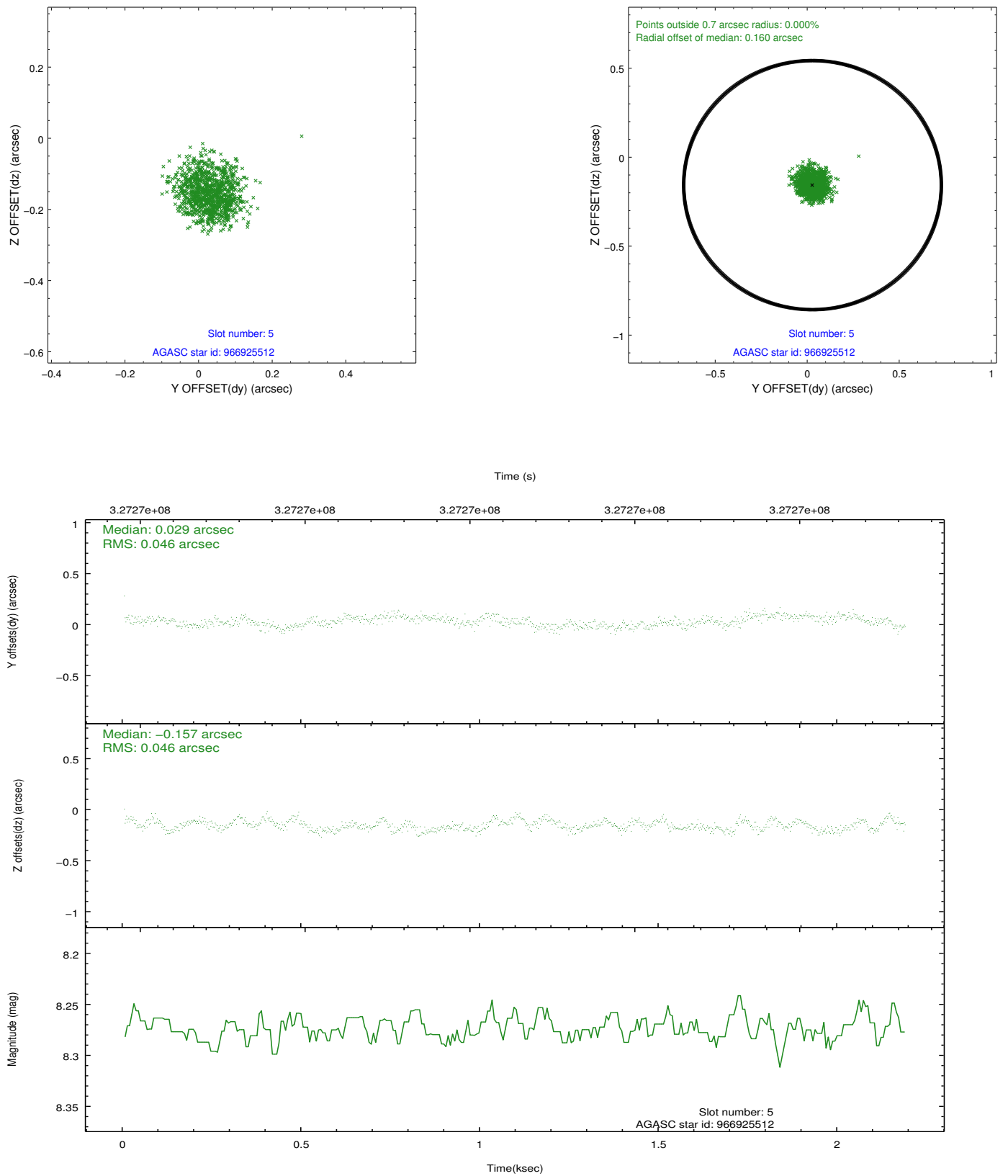
2.4.1 Slot 3



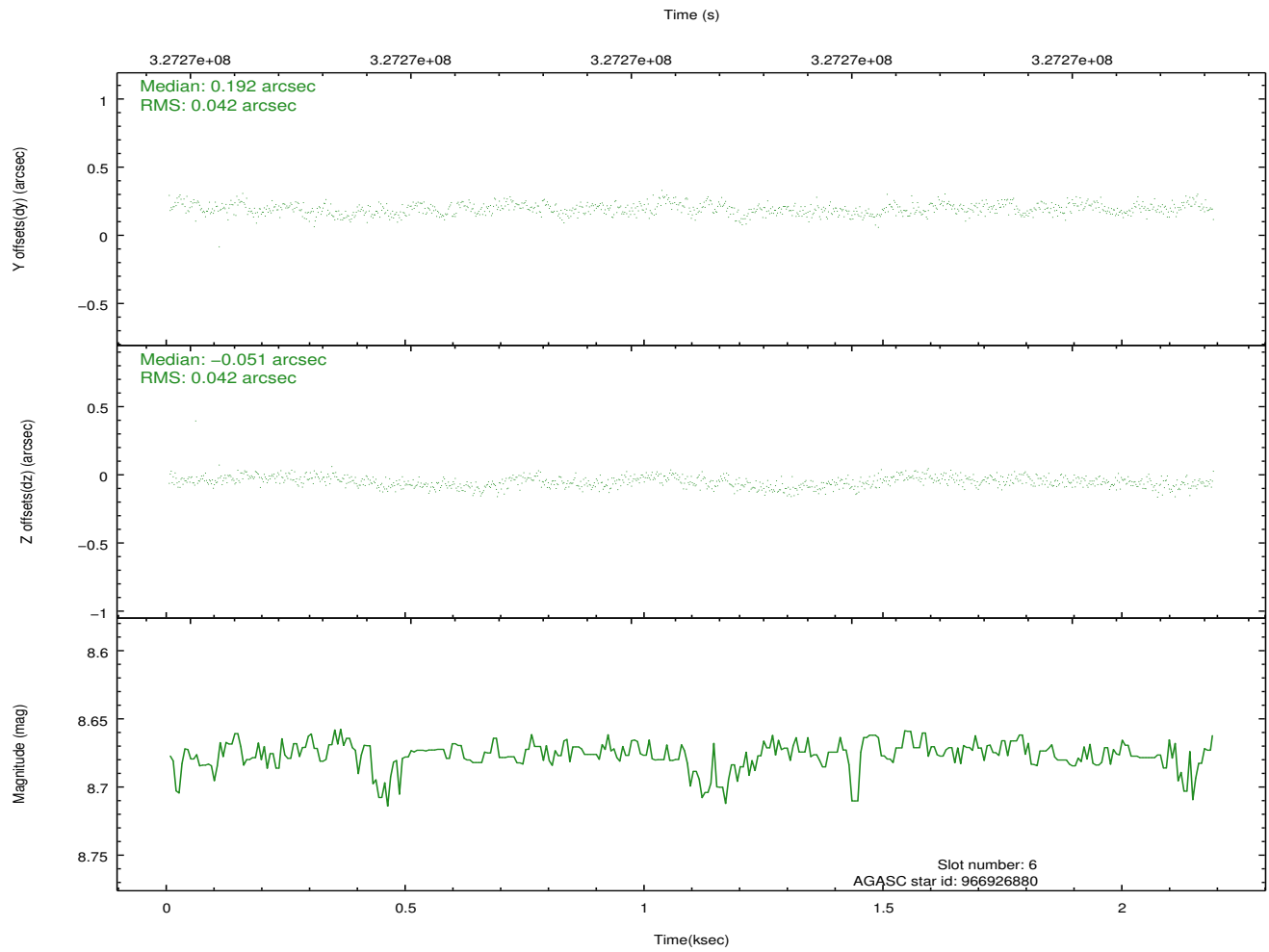
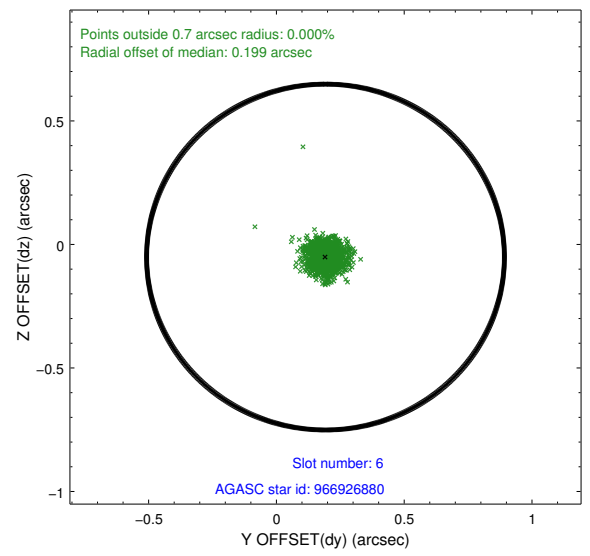
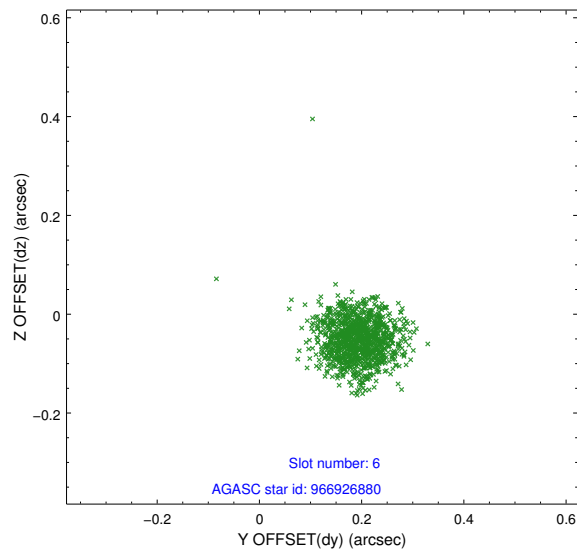
2.4.2 Slot 4



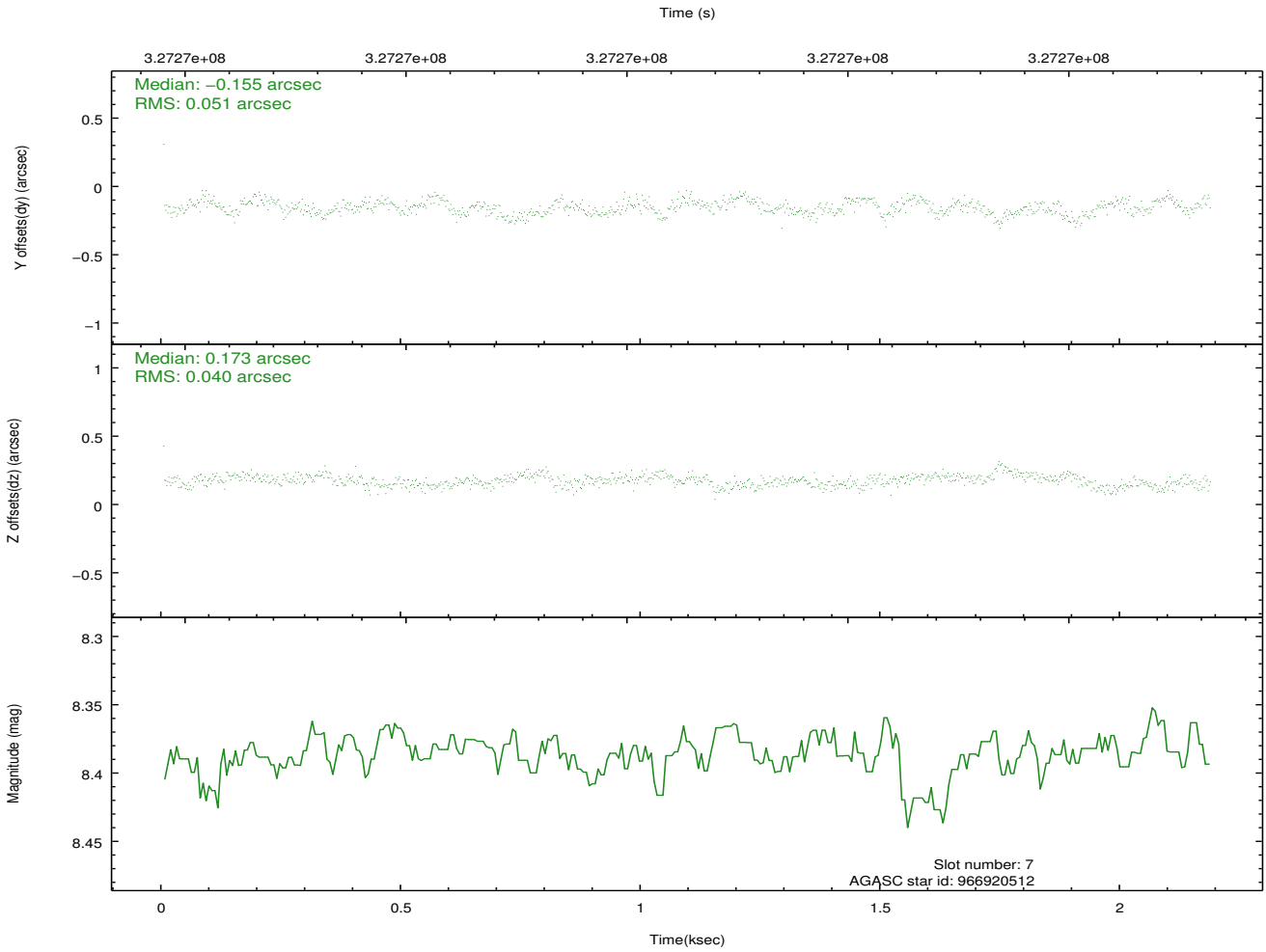
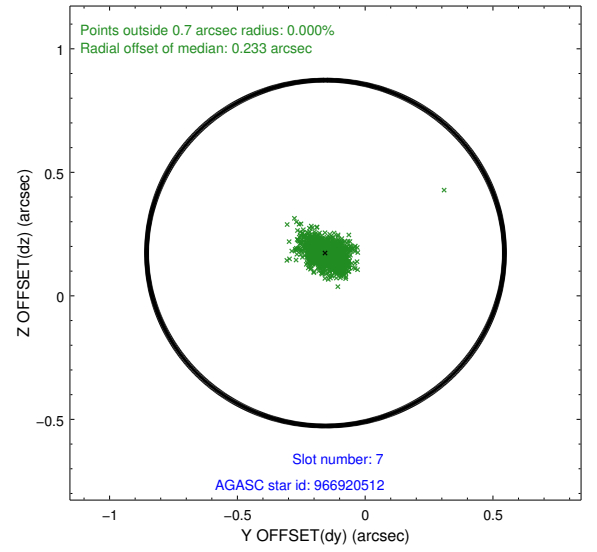
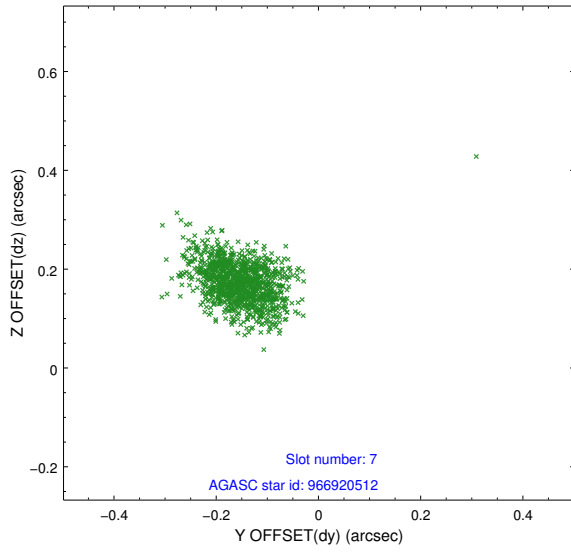
2.4.3 Slot 5



2.4.4 Slot 6

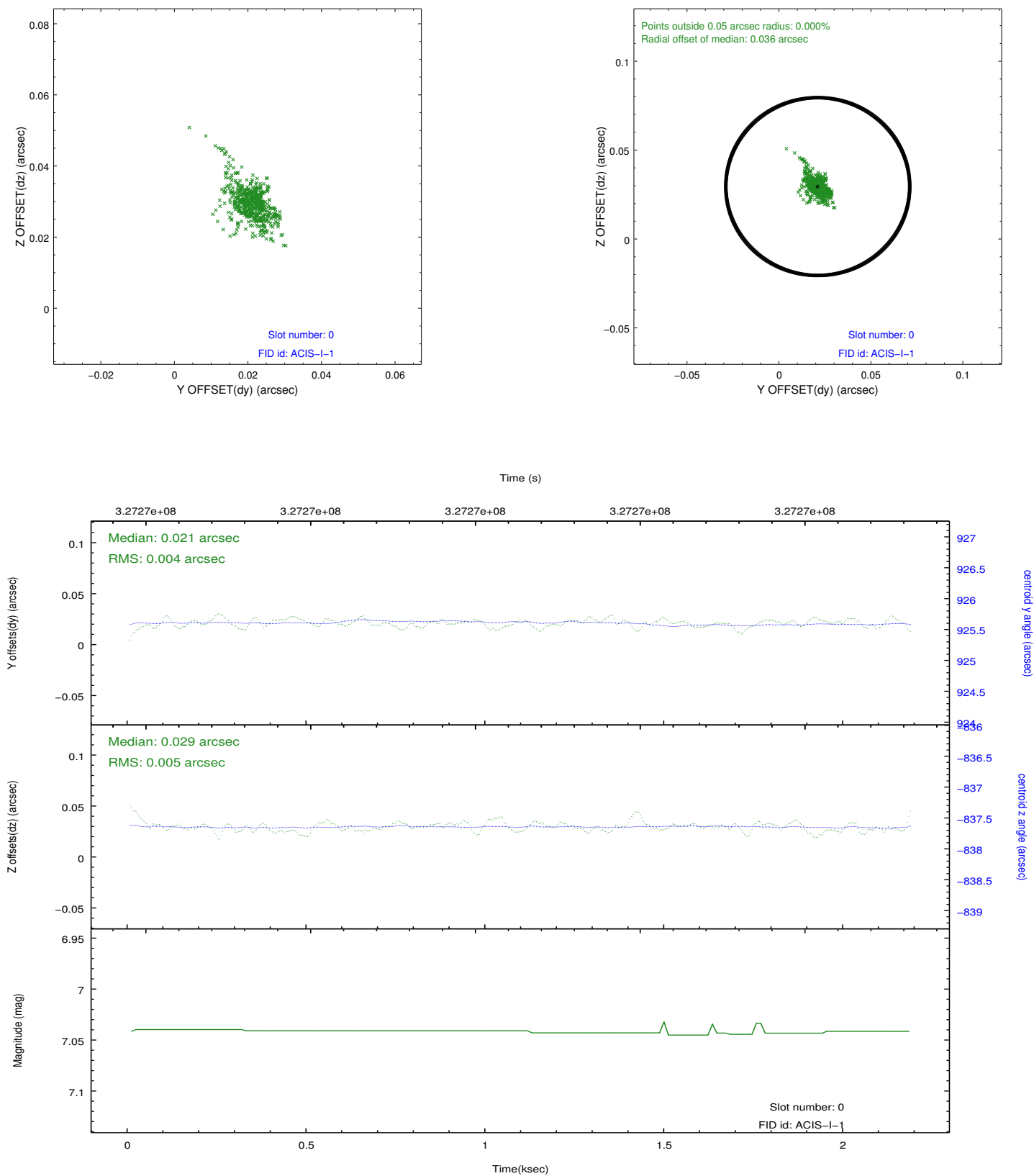


2.4.5 Slot 7

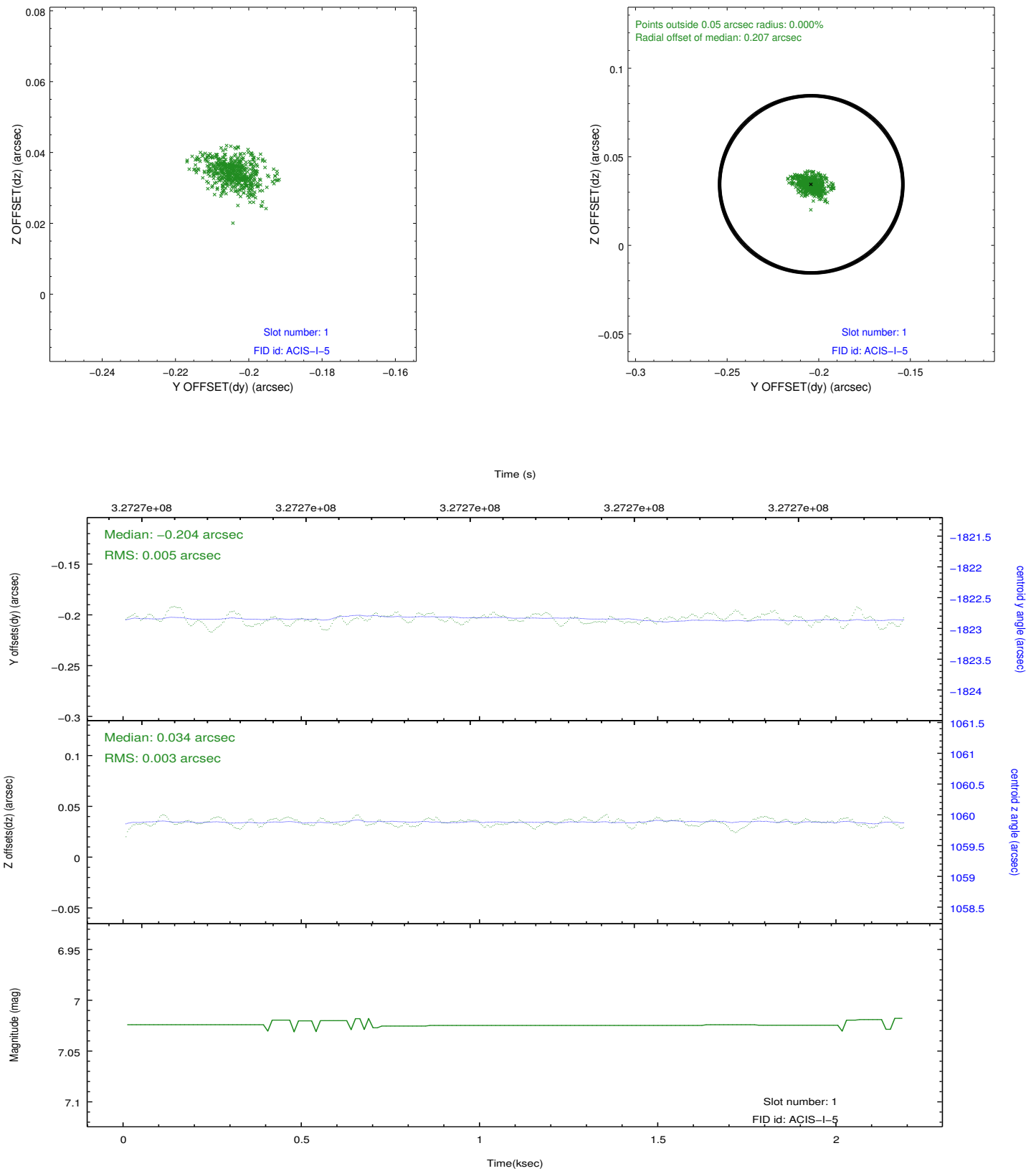


2.5 FID Slots

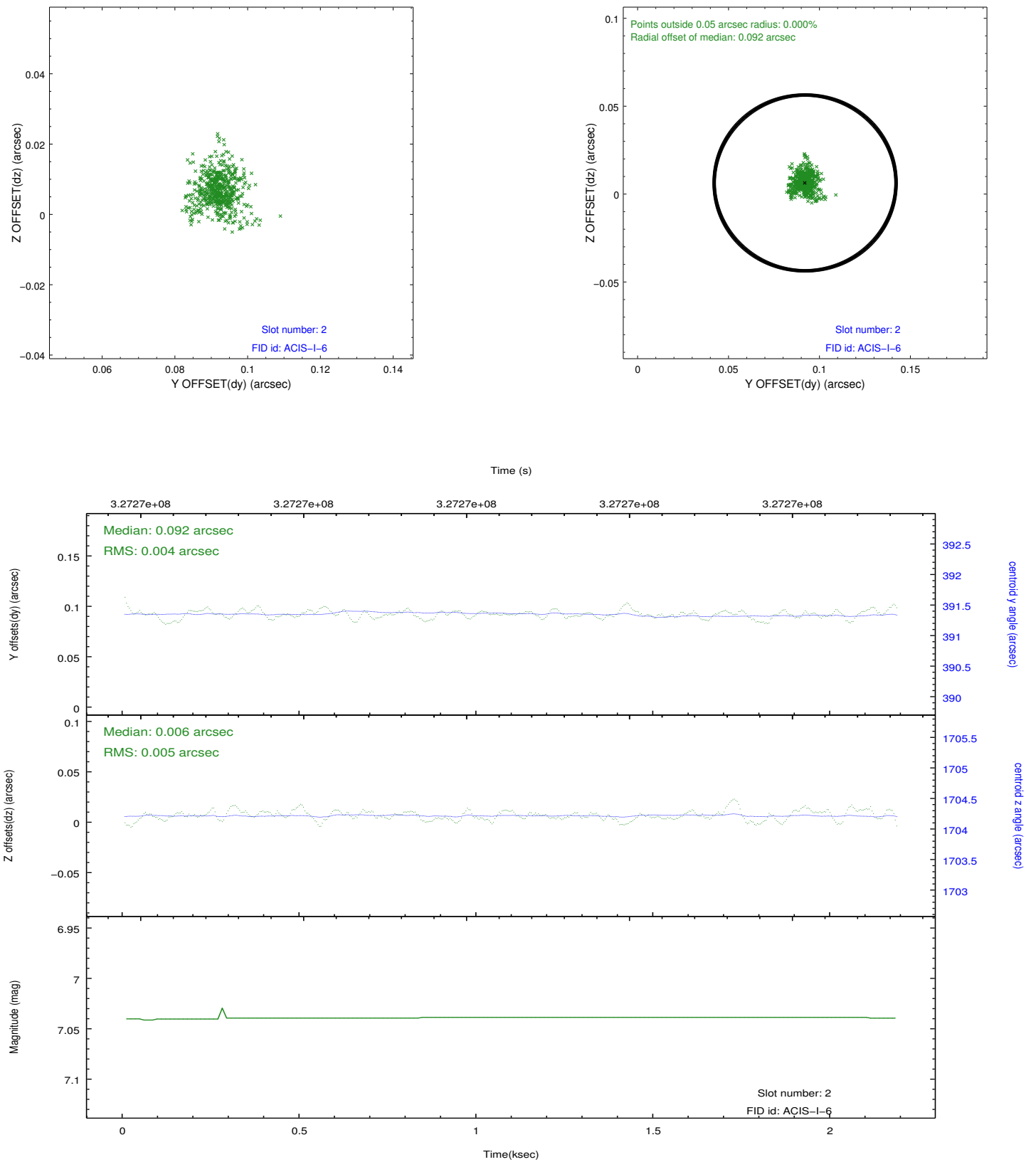
2.5.1 Slot 0



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.