

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8763 - L2 Version 2
Chandra X-Ray Center

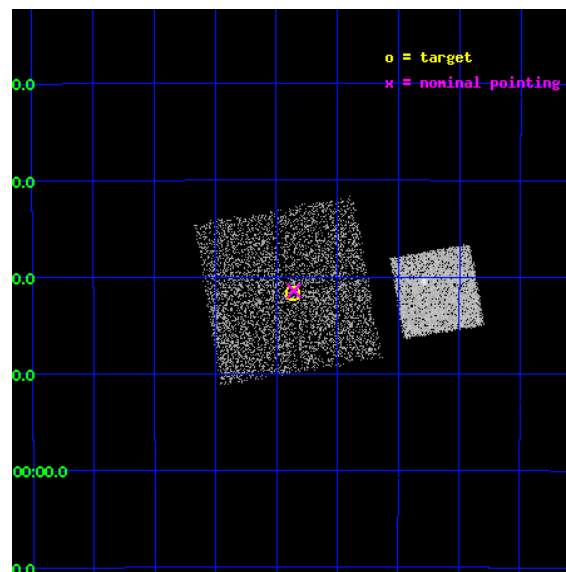
L2 Processing Date : May 14 2012

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1 Front

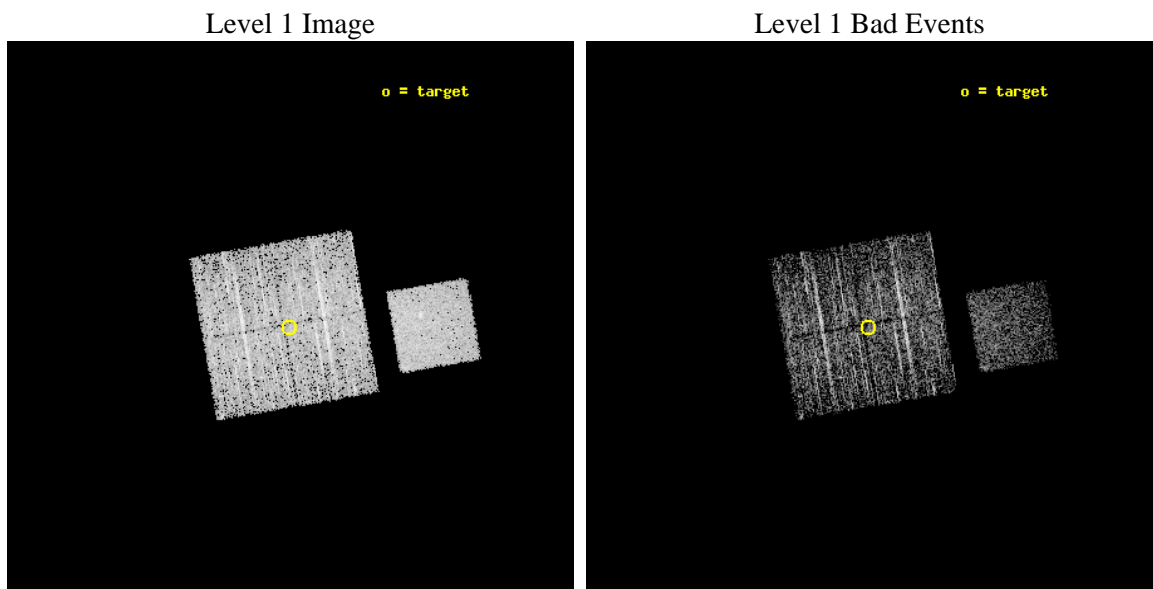
seq_num	400814	Sequence number
obs_id	8763	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.21607	Observer's specified target RA [deg]
dec_targ	-31.695291	Observer's specified target Dec [deg]
ra_nom	266.21415212635	Nominal RA [deg]
dec_nom	-31.690542911569	Nominal Dec [deg]
roll_nom	80.207721163973	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2179.3000167608	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
ontime7	2179.3000167608	Sum of GTIs [s]
l2events	15204	Number of level 2 events



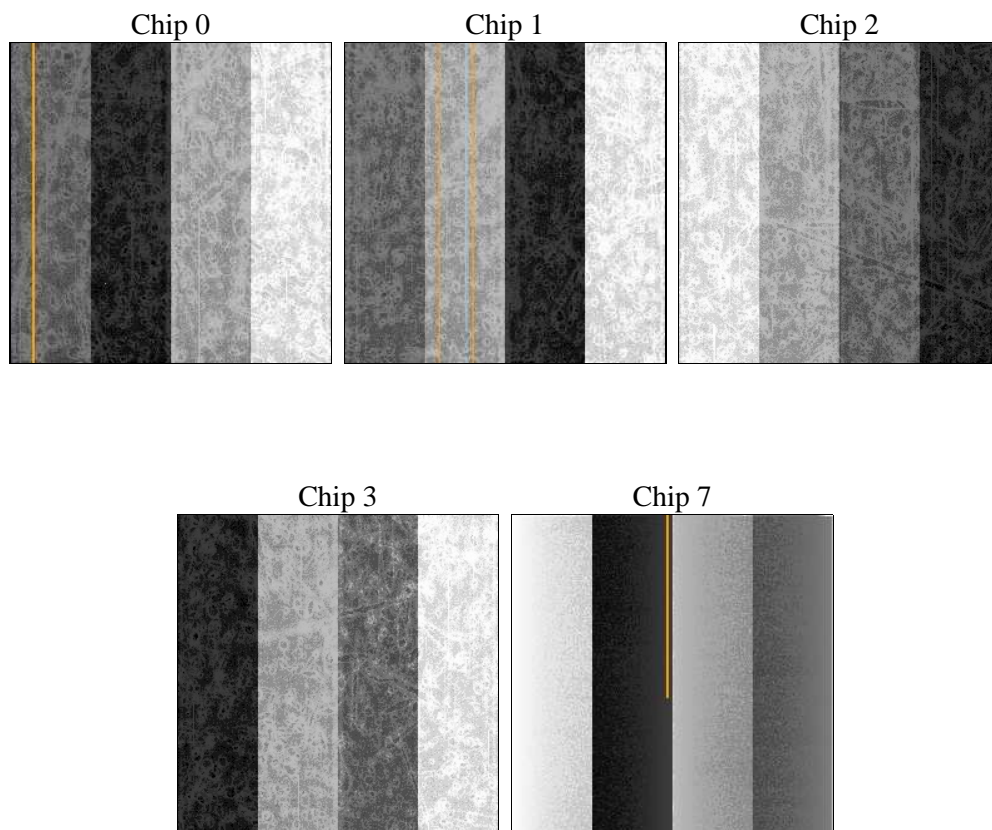
2 OBI

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	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-05-14T21:10:22	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			ontime7	2179.3000167608	Sum of GTIs [s]
			l1events	100967	Number of level 1 events

2.1.4 Events

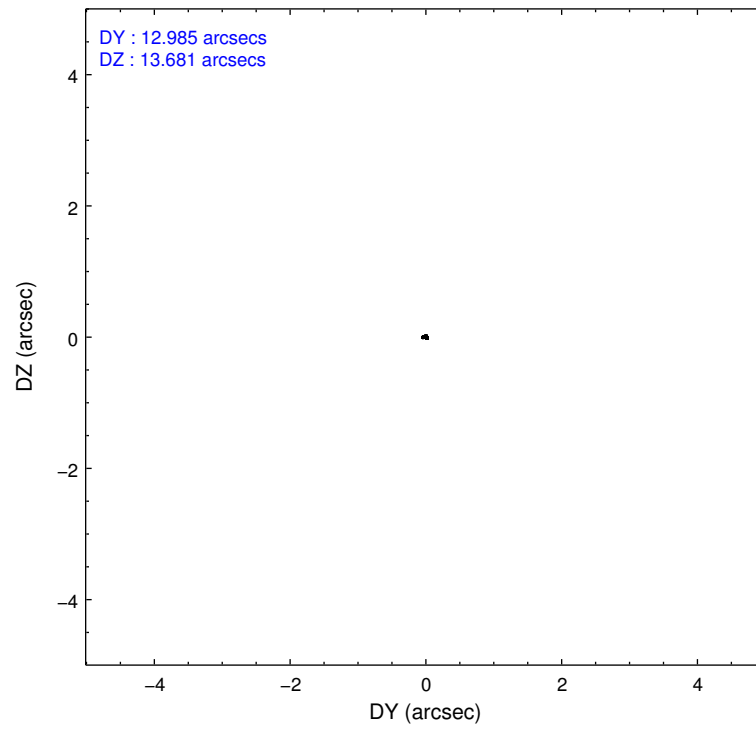
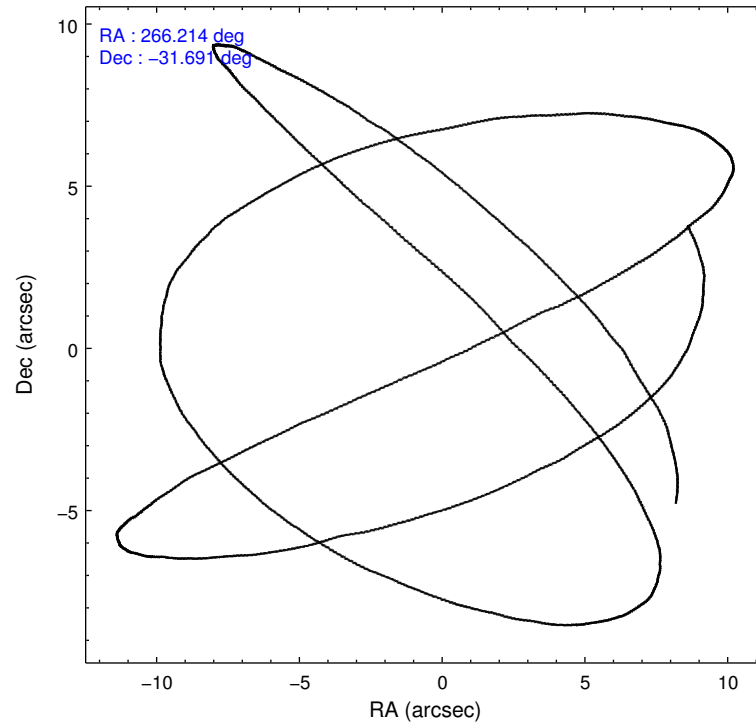
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19207	19470	20183	19538	22569
rejected events	17271	17340	18348	17677	13525
rejected %	89%	89%	90%	90%	59%

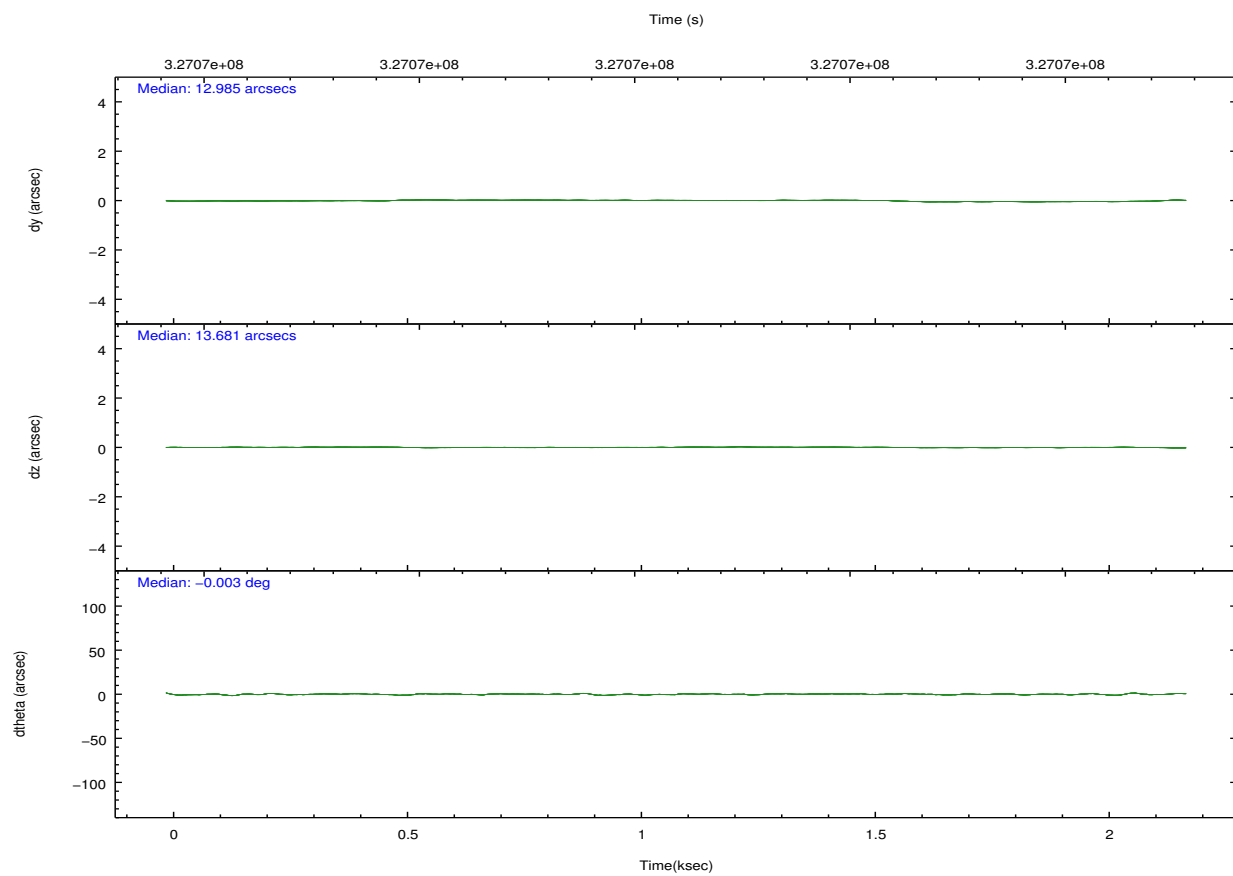
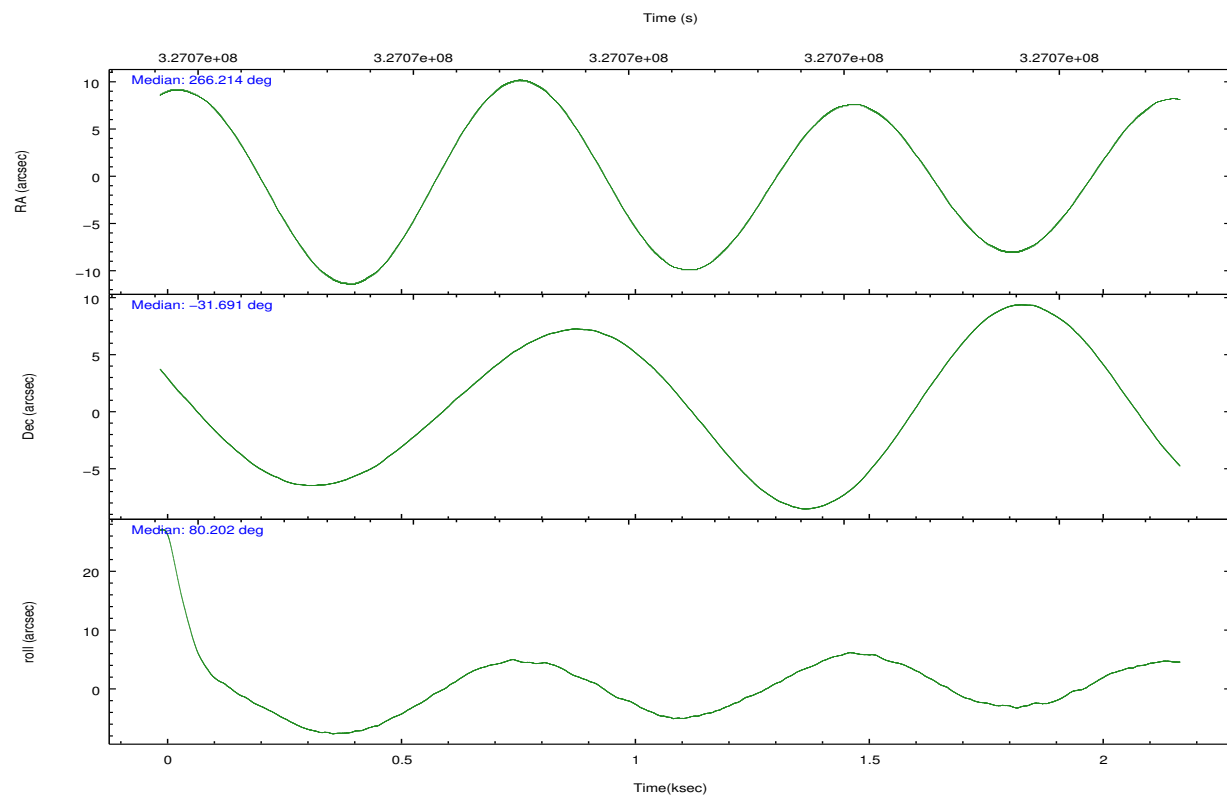
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	878	956	839	805	1028
	4%	4%	4%	4%	4%
grade 1 events	12	13	12	16	19
	0%	0%	0%	0%	0%
grade 2 events	519	521	492	518	2241
	2%	2%	2%	2%	9%
grade 3 events	239	250	203	208	931
	1%	1%	1%	1%	4%
grade 4 events	198	258	218	228	987
	1%	1%	1%	1%	4%
grade 5 events	725	771	639	808	2297
	3%	3%	3%	4%	10%
grade 6 events	385	451	351	367	5235
	2%	2%	1%	1%	23%
grade 7 events	16251	16250	17429	16588	9831
	84%	83%	86%	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	266.225444	266.2141521263472	CCD I2 on	Y	Y
[deg] Pointing Dec	-31.716326	-31.69054291156886	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004933	80.20772116397265	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)	327071172.184000	327070795.68858	CCD S5 on	N	N
Observation start date	2008-05-13T13:05:07	2008-05-13T12:59:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327073172.184000	327073305.9137	On-chip summing requested	N	N
Observation end date	2008-05-13T13:38:27	2008-05-13T13:41:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



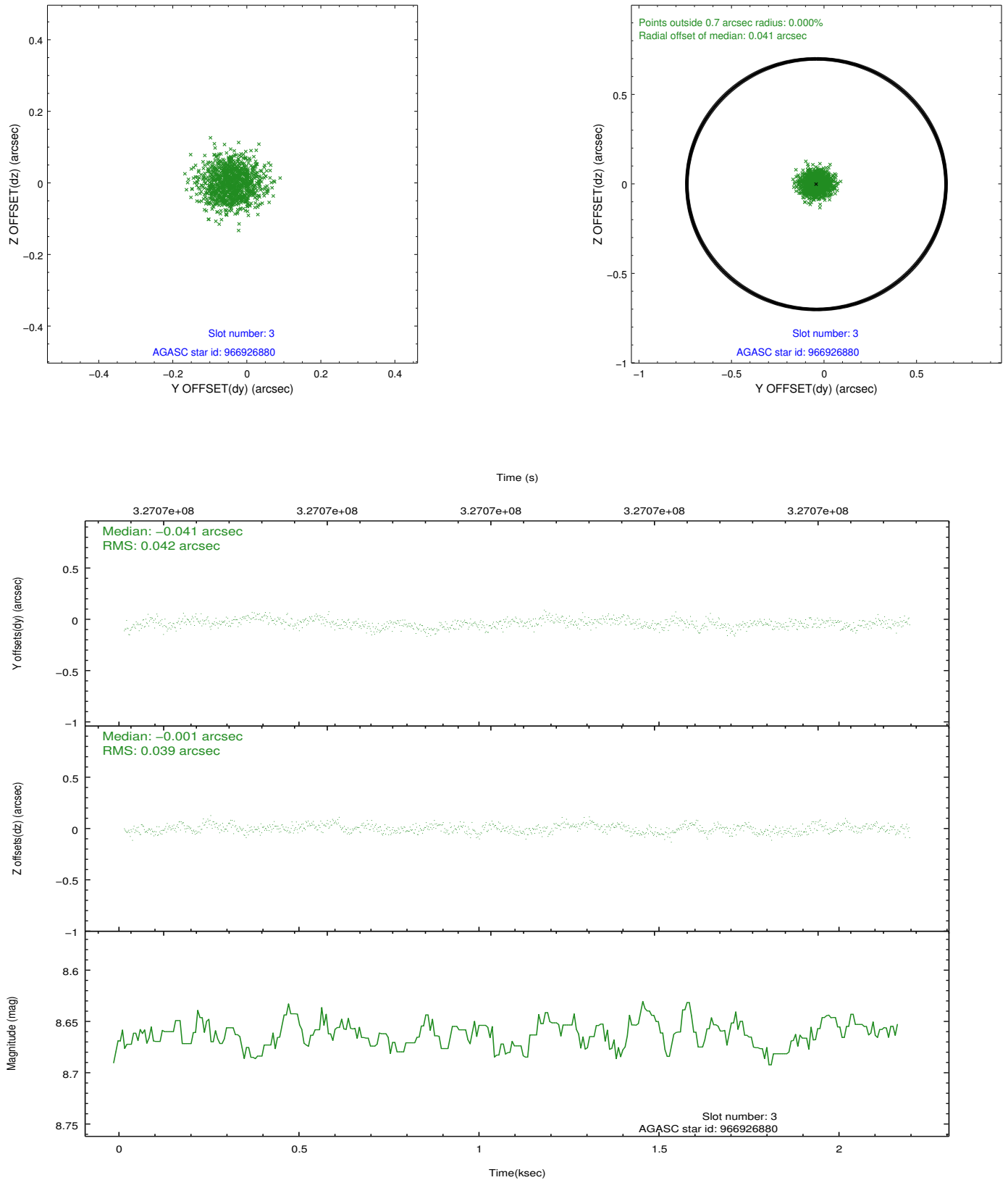


Slot Statistics

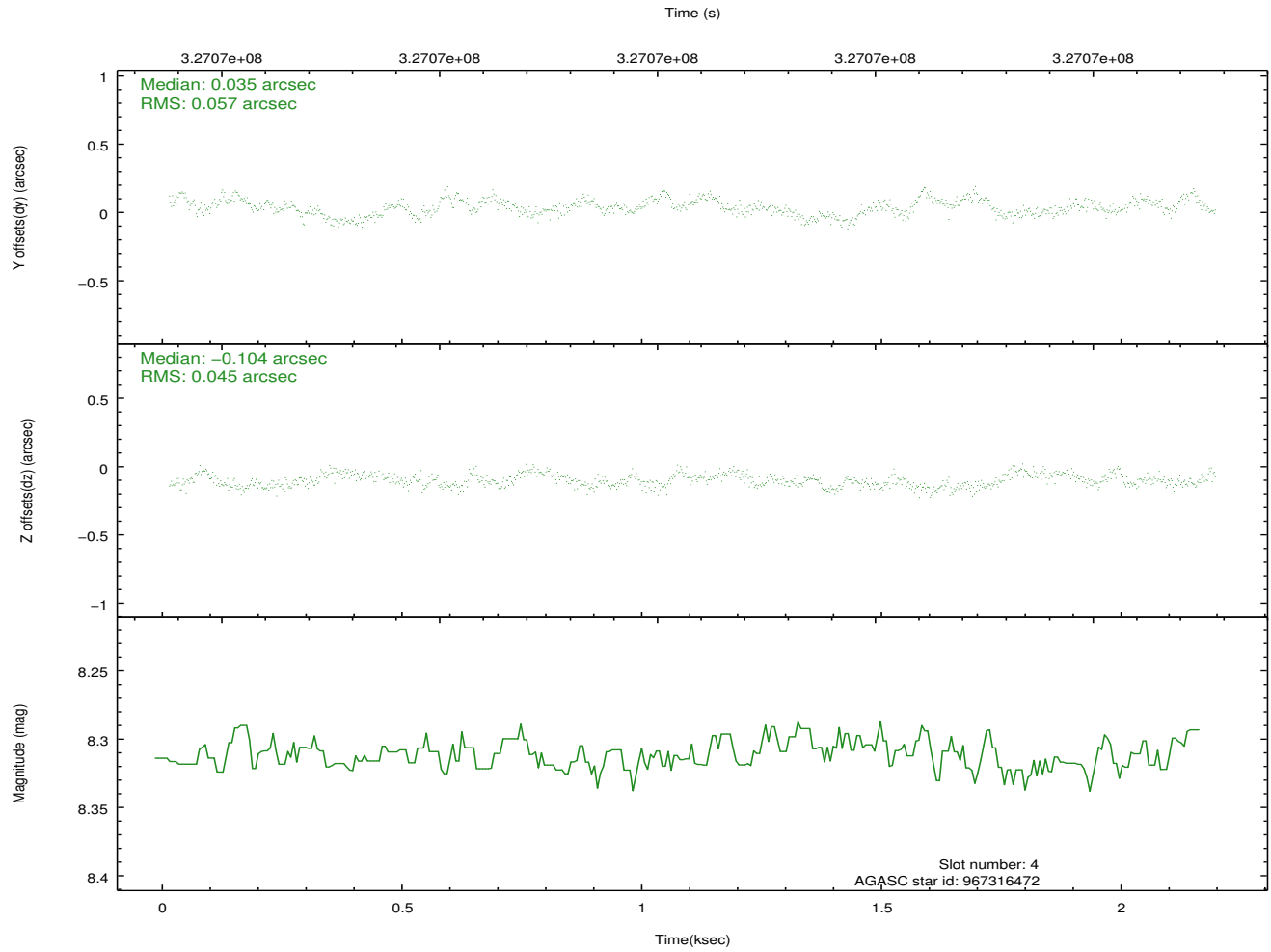
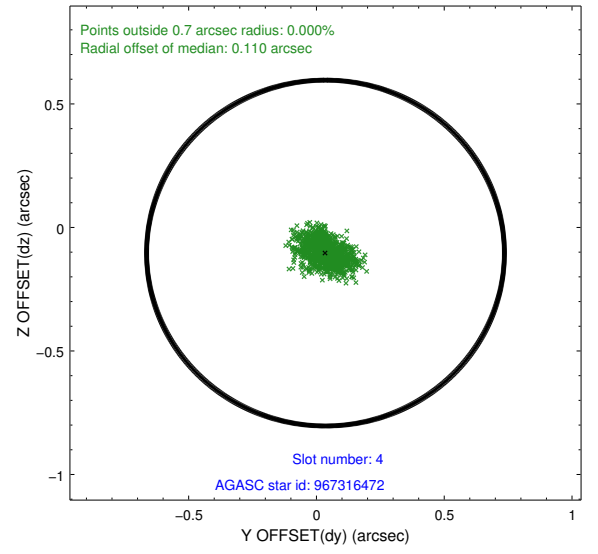
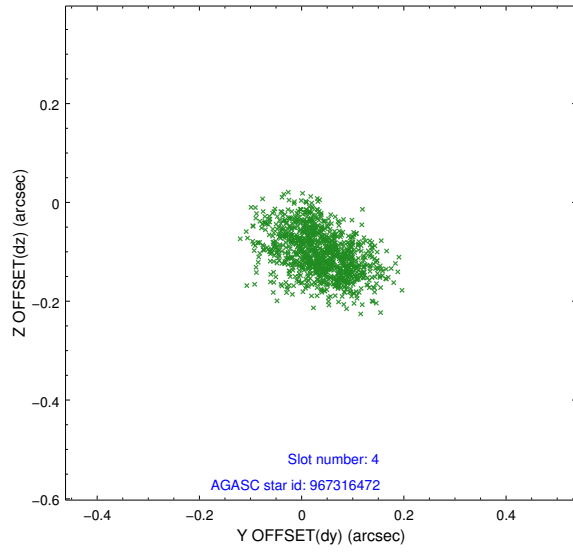
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	532	0.010	0.040	0.006	0.011	0.000000	0.000000	926.56	-837.20
1	FID	ACIS-I-5	7.04	532	-0.170	0.034	0.006	0.010	0.000000	0.000000	-1820.09	1058.76
2	FID	ACIS-I-6	7.04	532	0.070	-0.003	0.006	0.010	0.000000	0.000000	388.88	1706.64
3	GUIDE	966926880	8.66	1065	-0.041	-0.001	0.060	0.099	265.970408	-31.411350	944.23	962.29
4	GUIDE	967316472	8.31	1065	0.035	-0.104	0.079	0.126	265.408096	-32.112173	-1844.58	2206.27
5	GUIDE	967446216	8.70	1065	0.180	0.276	0.079	0.123	266.739036	-32.414310	-2208.76	-1971.80
6	GUIDE	967447552	8.77	1065	-0.028	-0.113	0.071	0.115	265.515186	-32.048669	-1563.73	1923.49
7	GUIDE	966923376	8.74	1063	-0.145	-0.060	0.059	0.097	266.333558	-31.111316	2201.04	51.89

2.4 Star Slots

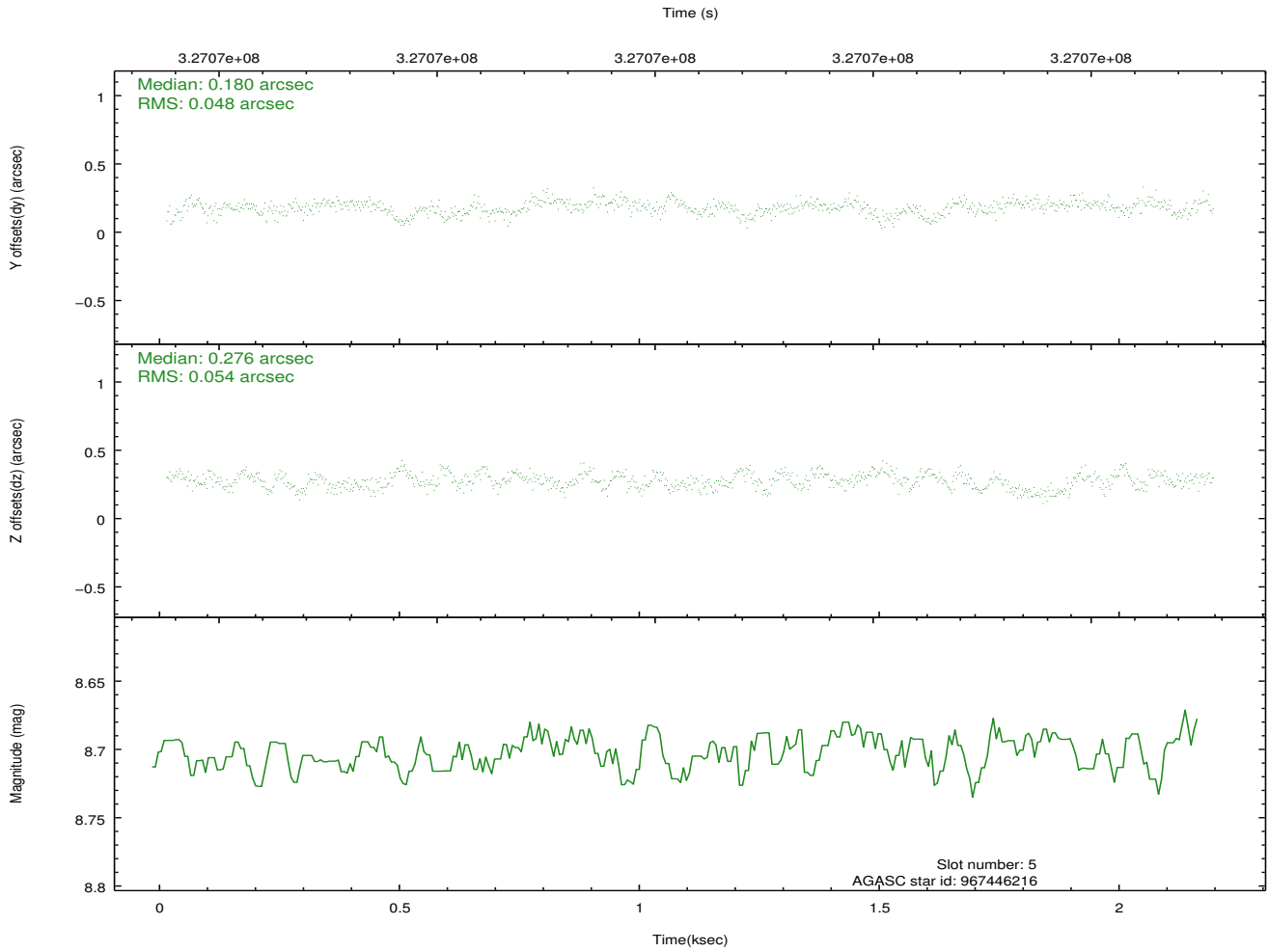
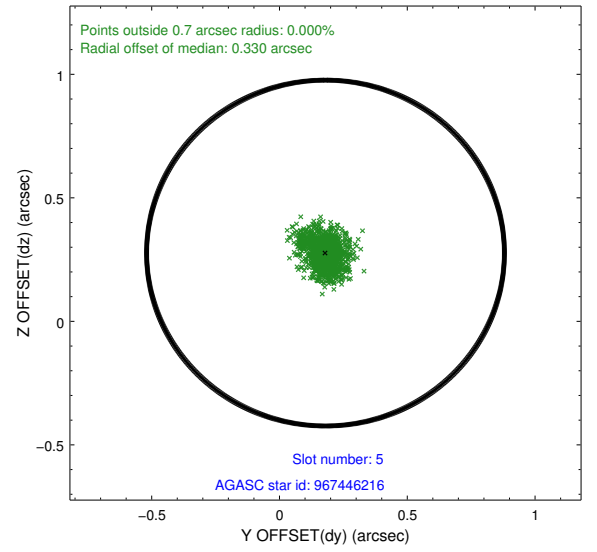
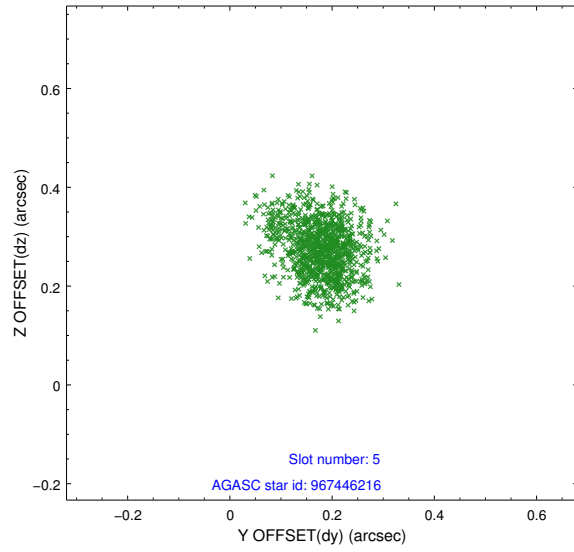
2.4.1 Slot 3



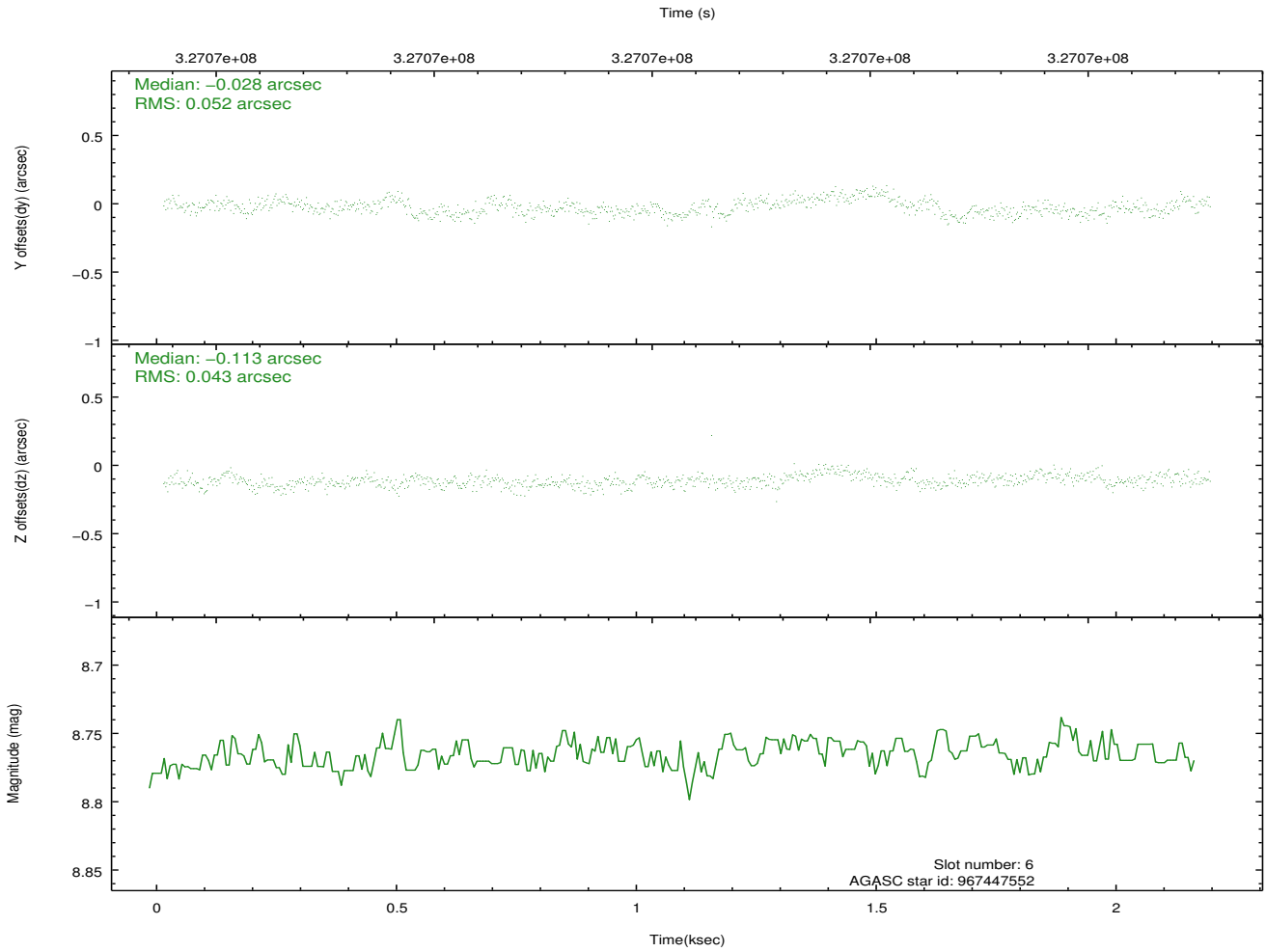
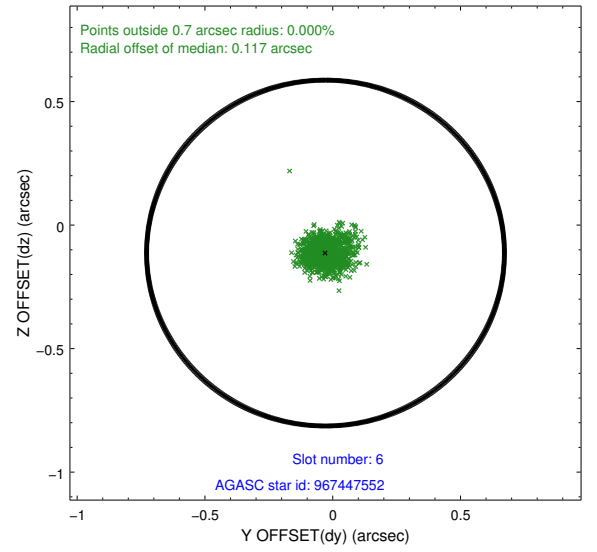
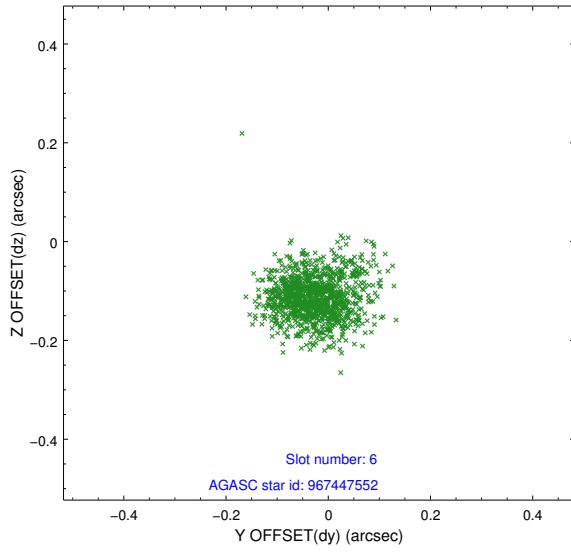
2.4.2 Slot 4



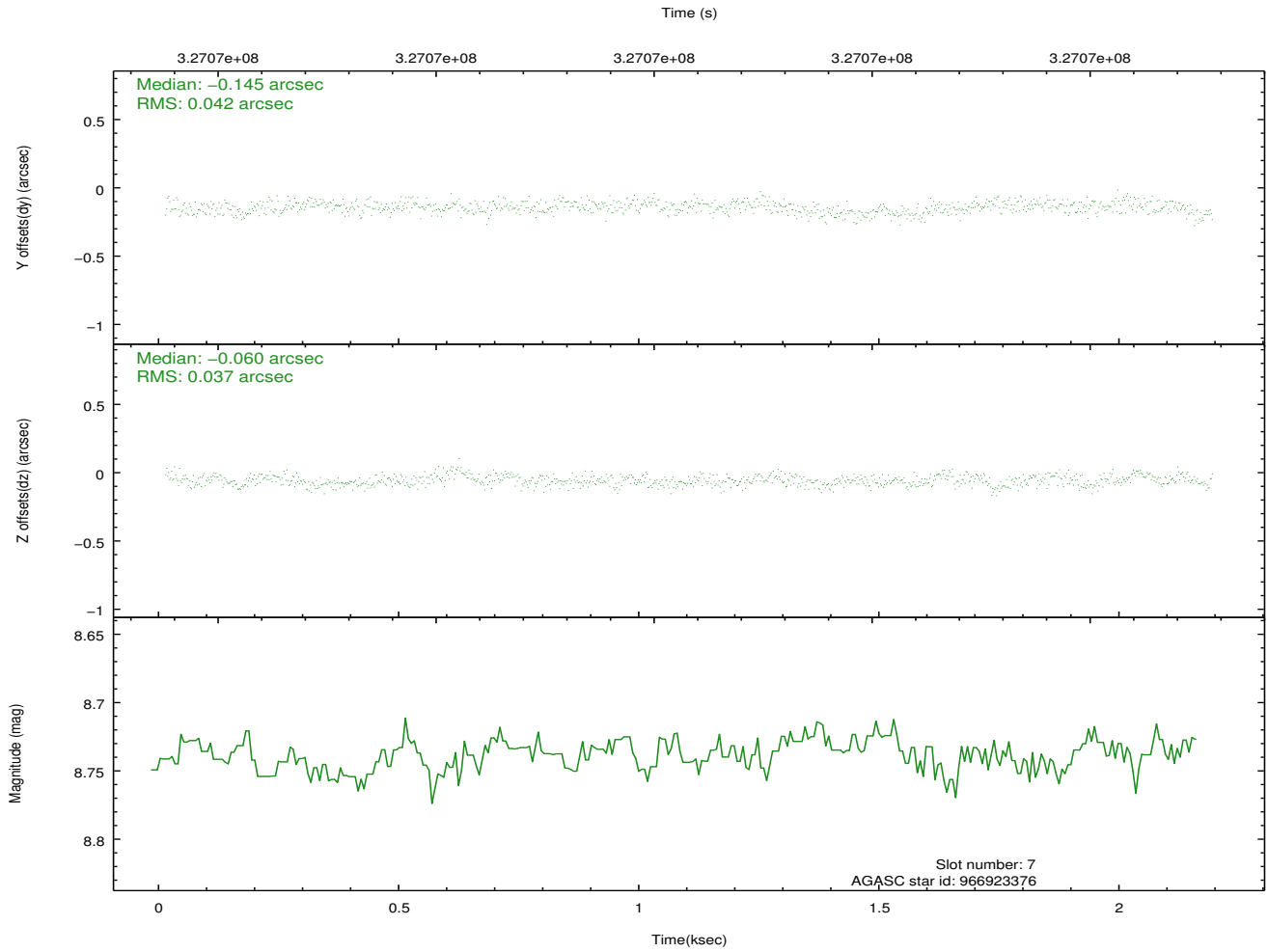
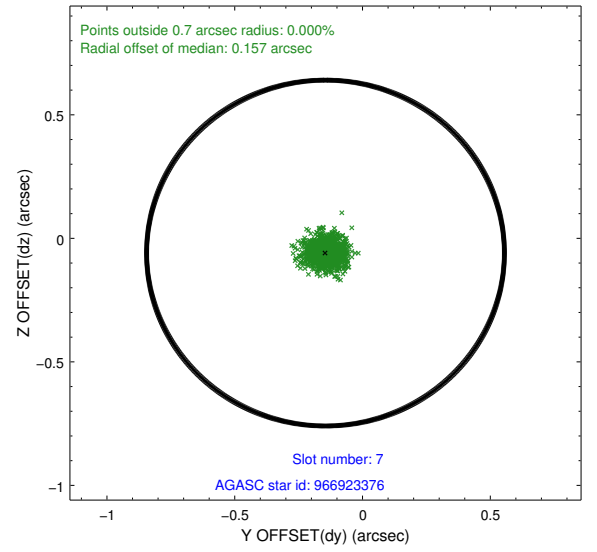
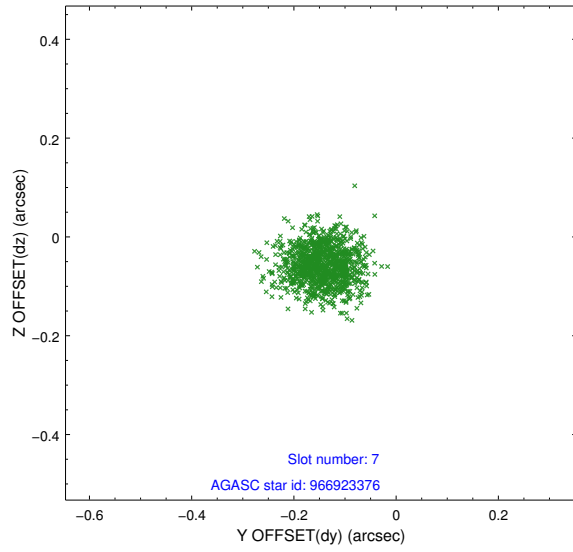
2.4.3 Slot 5



2.4.4 Slot 6

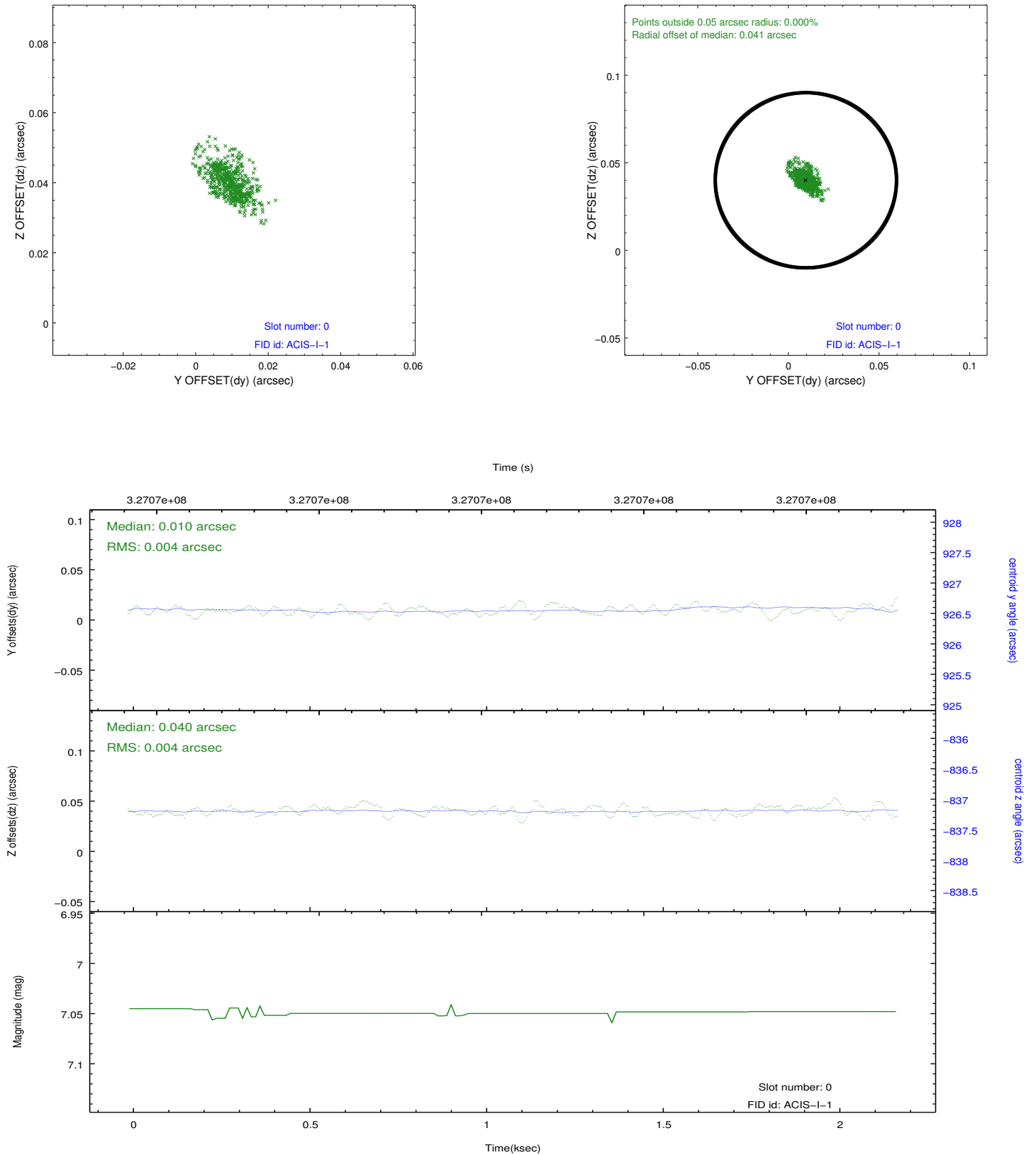


2.4.5 Slot 7

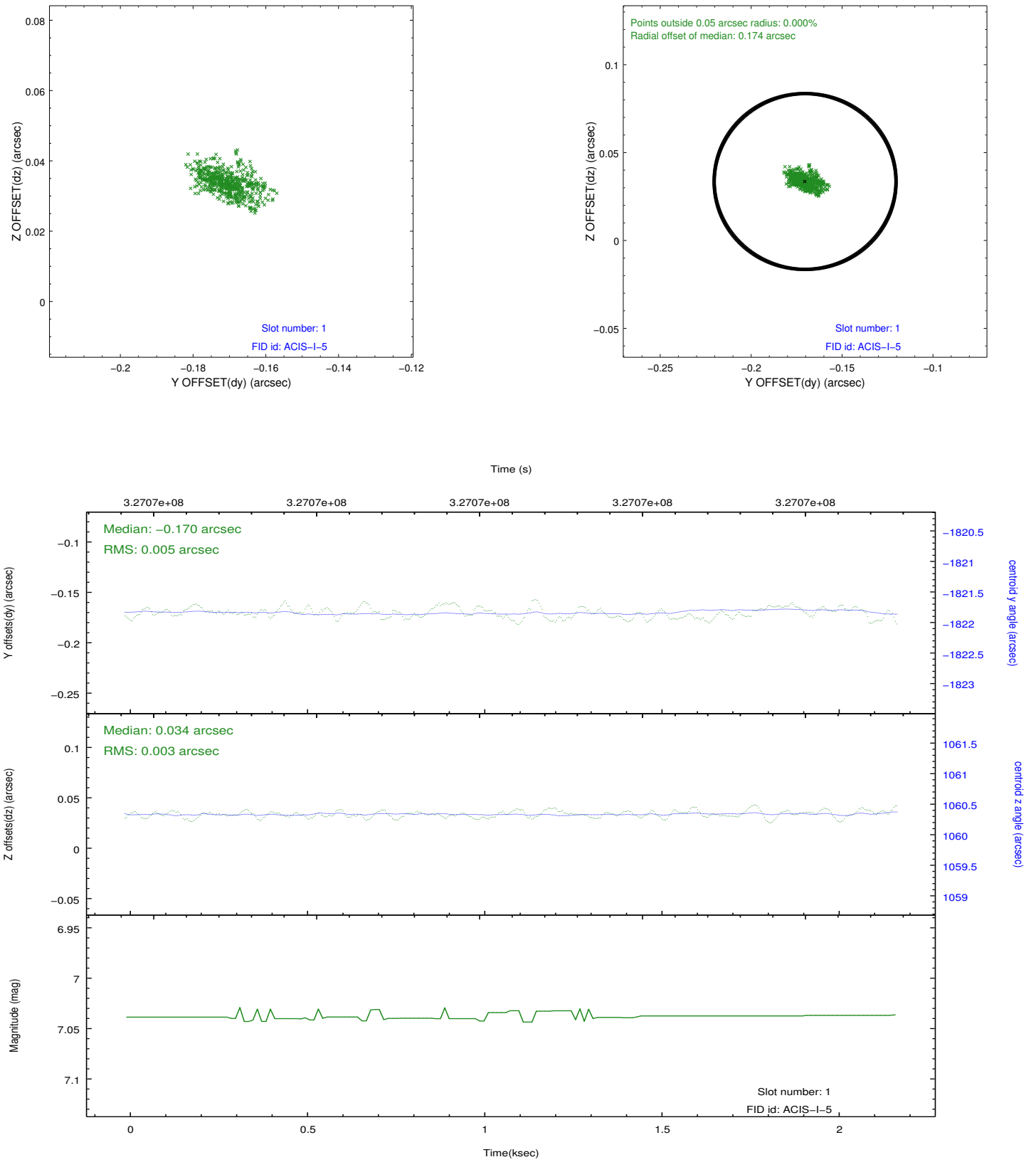


2.5 FID Slots

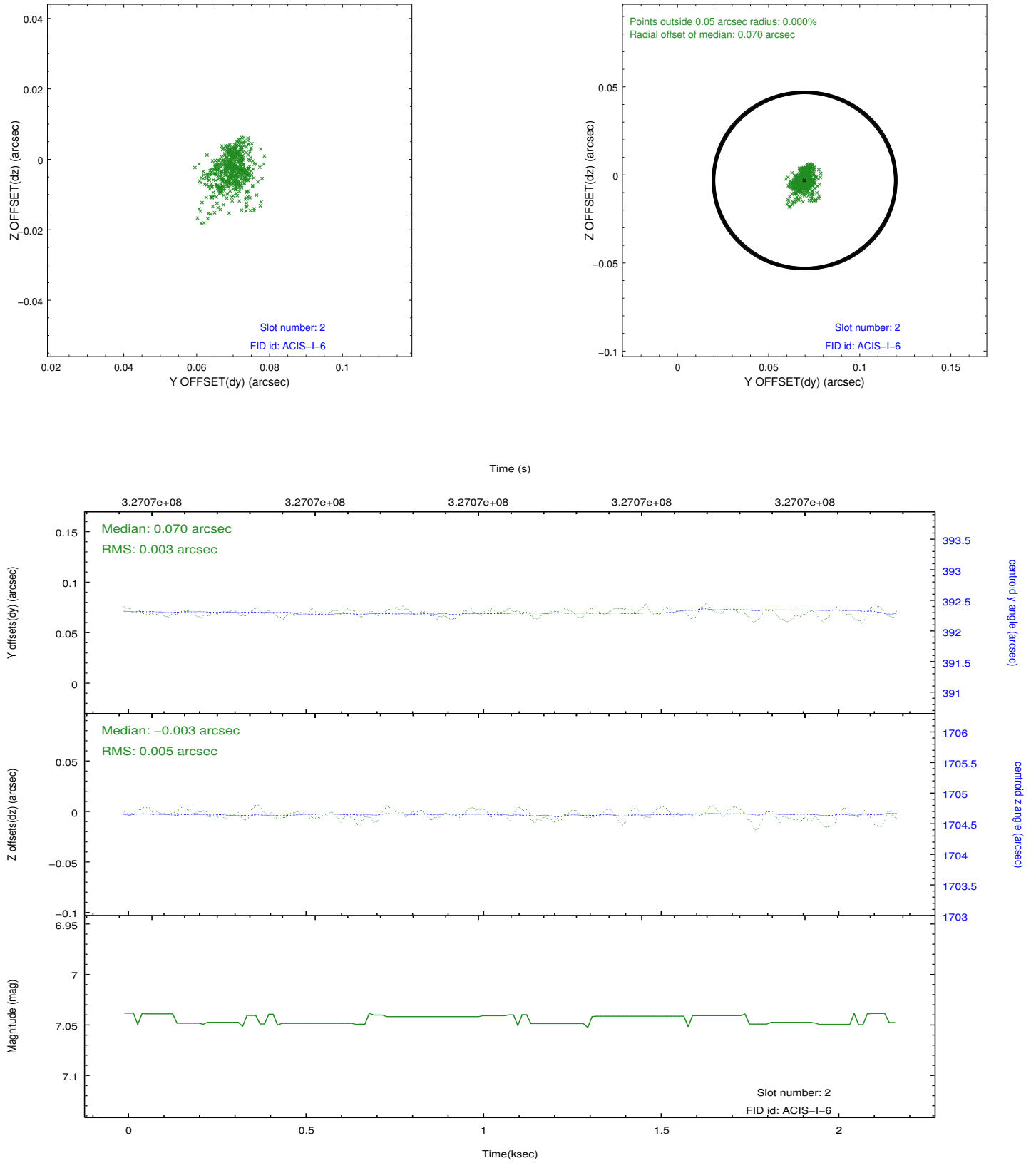
2.5.1 Slot 0



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	2.17930001

A.2 Comments

Joint Proposal: NOAO