

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8727 - L2 Version 2
Chandra X-Ray Center

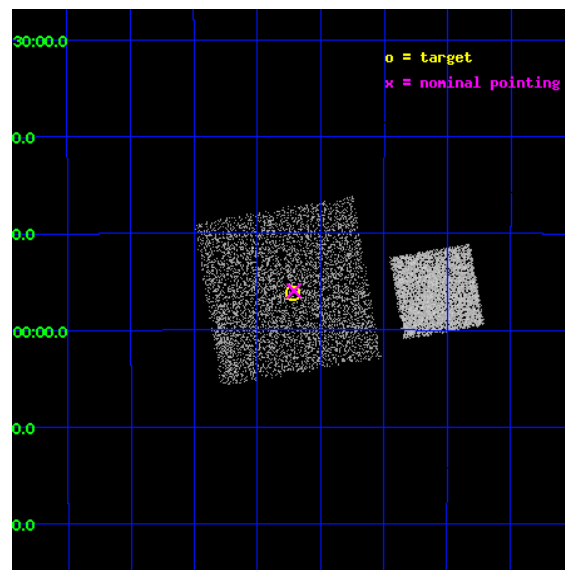
L2 Processing Date : May 14 2012

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1 Front

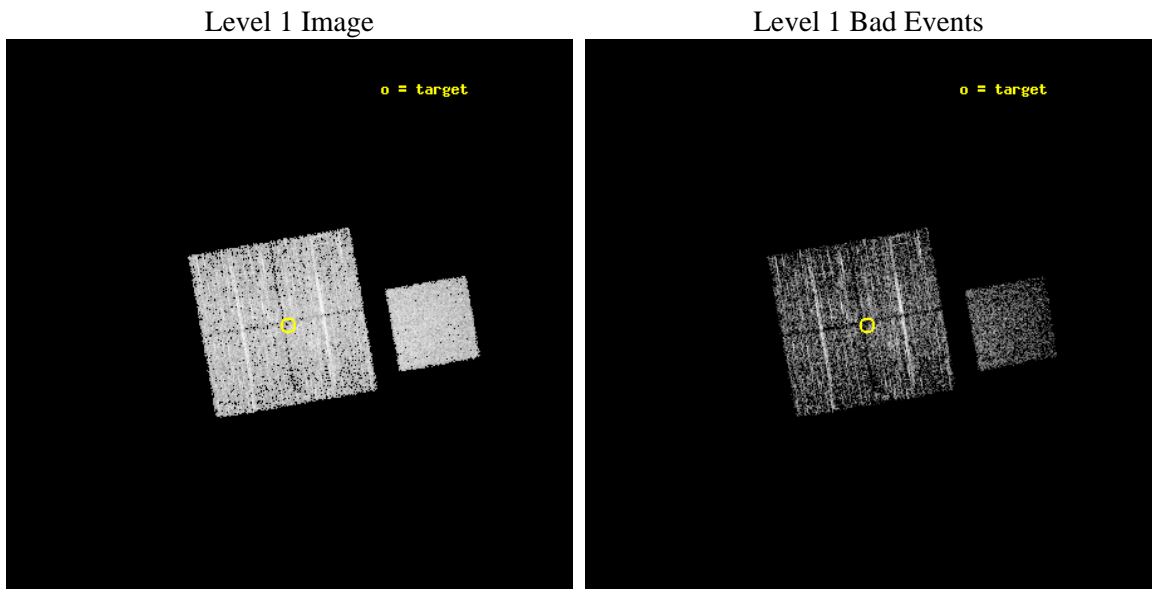
seq_num	400778	Sequence number
obs_id	8727	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.804789	Observer's specified target RA [deg]
dec_targ	-27.937369	Observer's specified target Dec [deg]
ra_nom	268.80296030993	Nominal RA [deg]
dec_nom	-27.932473329765	Nominal Dec [deg]
roll_nom	80.207837957951	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	2182.4000167847	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	15403	Number of level 2 events



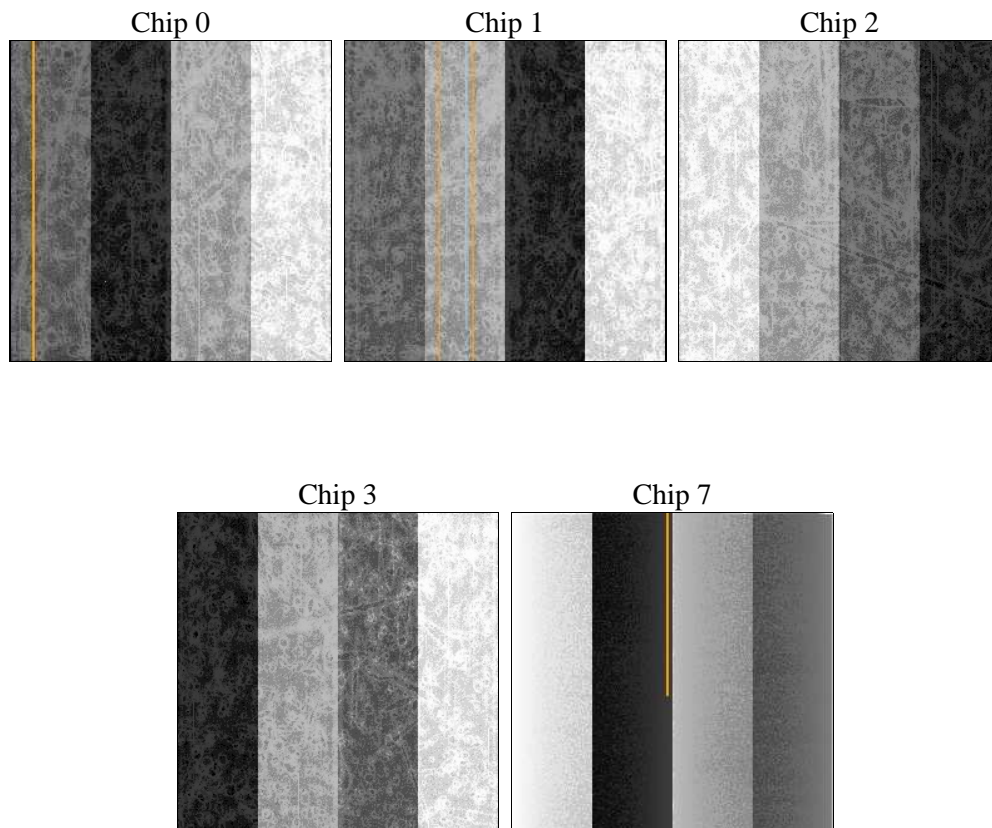
2 OBI

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	2182.4000167847	Sum of GTIs [s]
date	2012-05-14T20:40:38	Date and time of file creation	ontime1	2182.4000167847	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	102667	Number of level 1 events

2.1.4 Events

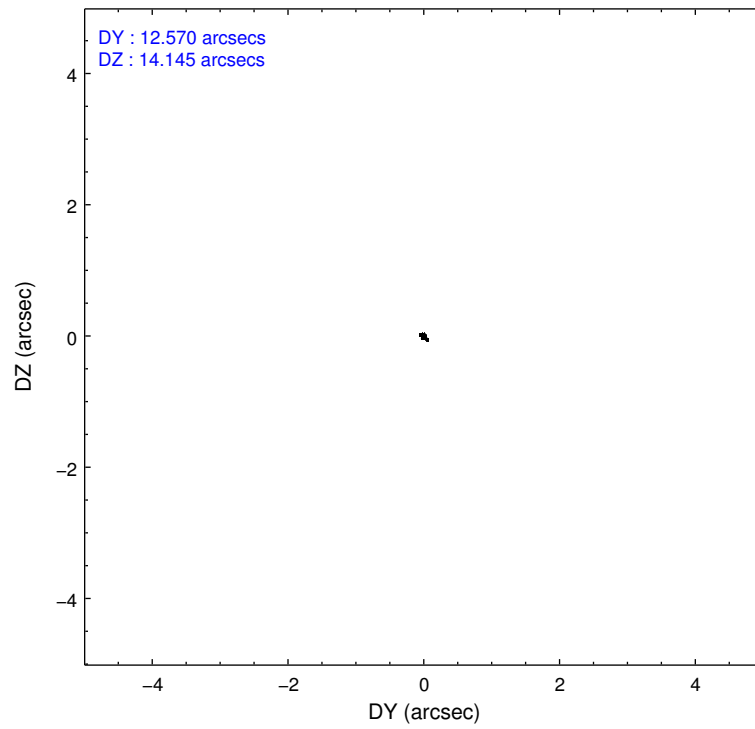
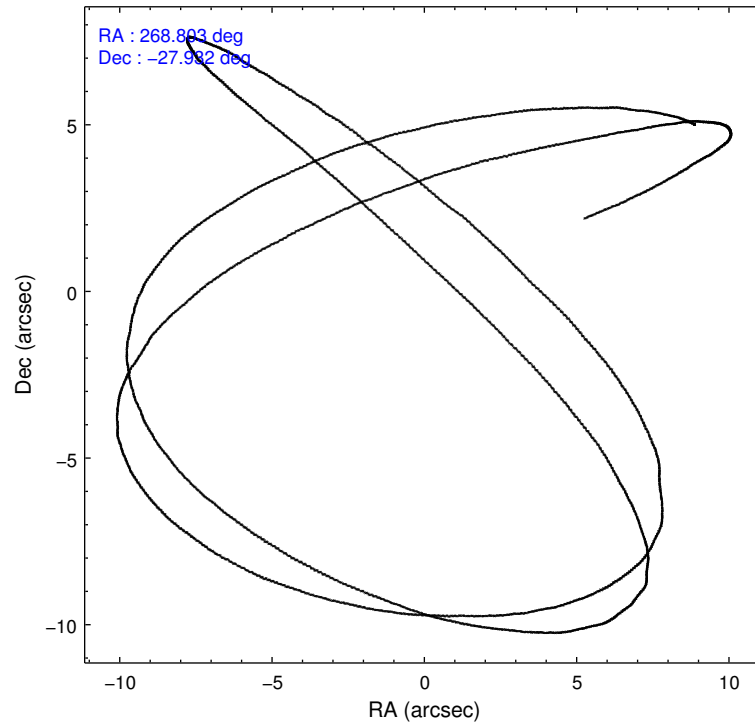
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19987	18677	21244	20220	22539
rejected events	17988	16458	19348	18394	13564
rejected %	89%	88%	91%	90%	60%

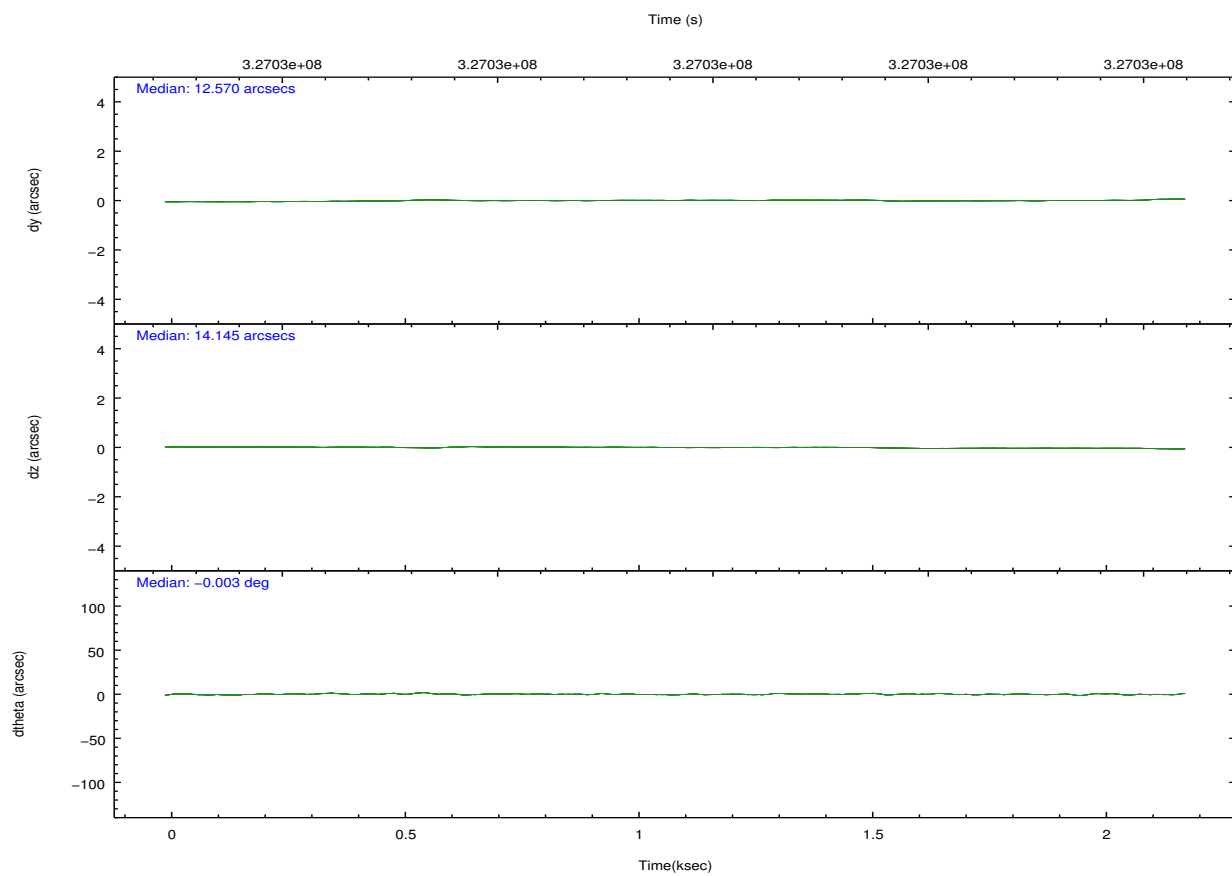
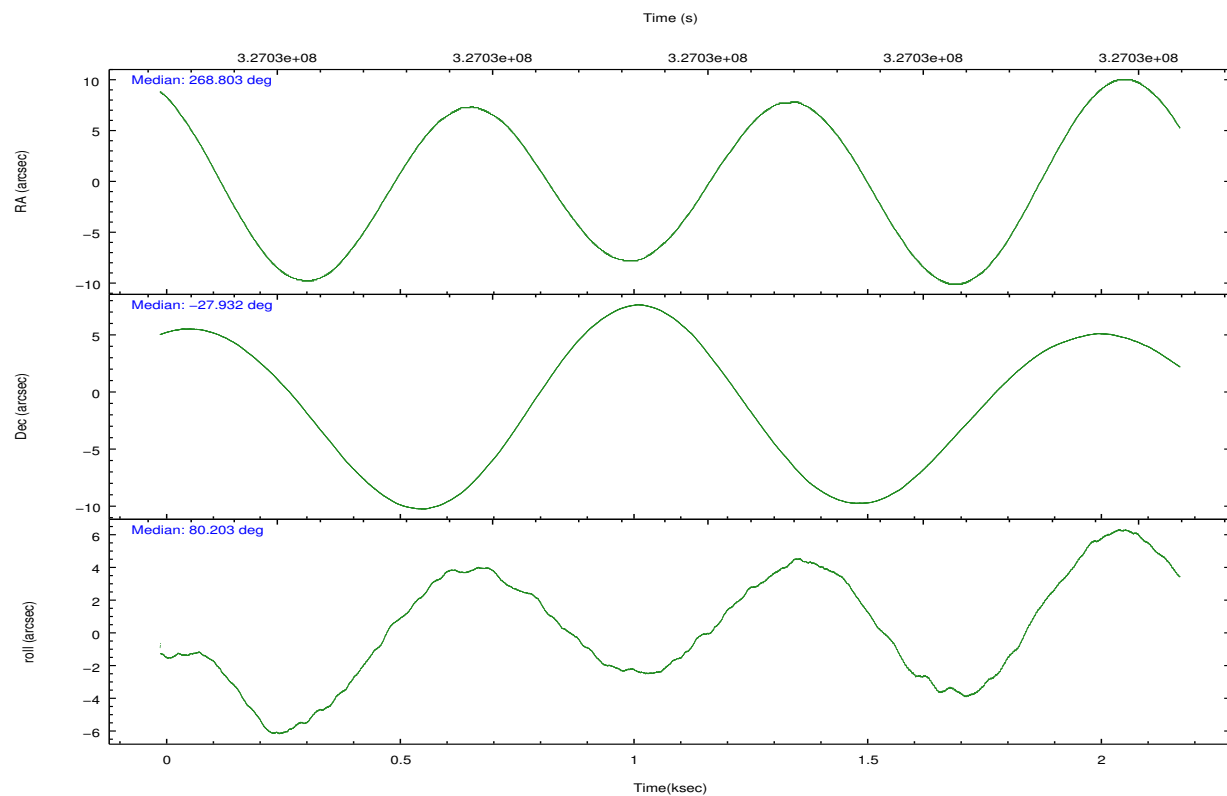
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	933	1084	845	904	933
	4%	5%	3%	4%	4%
grade 1 events	13	13	14	15	25
	0%	0%	0%	0%	0%
grade 2 events	480	517	528	419	2170
	2%	2%	2%	2%	9%
grade 3 events	267	252	203	211	933
	1%	1%	0%	1%	4%
grade 4 events	229	241	200	210	966
	1%	1%	0%	1%	4%
grade 5 events	683	741	612	818	2342
	3%	3%	2%	4%	10%
grade 6 events	394	432	385	366	5366
	1%	2%	1%	1%	23%
grade 7 events	16988	15397	18457	17277	9804
	84%	82%	86%	85%	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	268.813809	268.8029603099299	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.958399	-27.93247332976537	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004228	80.20783795795133	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)	327025992.184000	327025615.73638	CCD S5 on	N	N
Observation start date	2008-05-13T00:32:07	2008-05-13T00:26:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327027992.184000	327028125.9615	On-chip summing requested	N	N
Observation end date	2008-05-13T01:05:27	2008-05-13T01:08:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



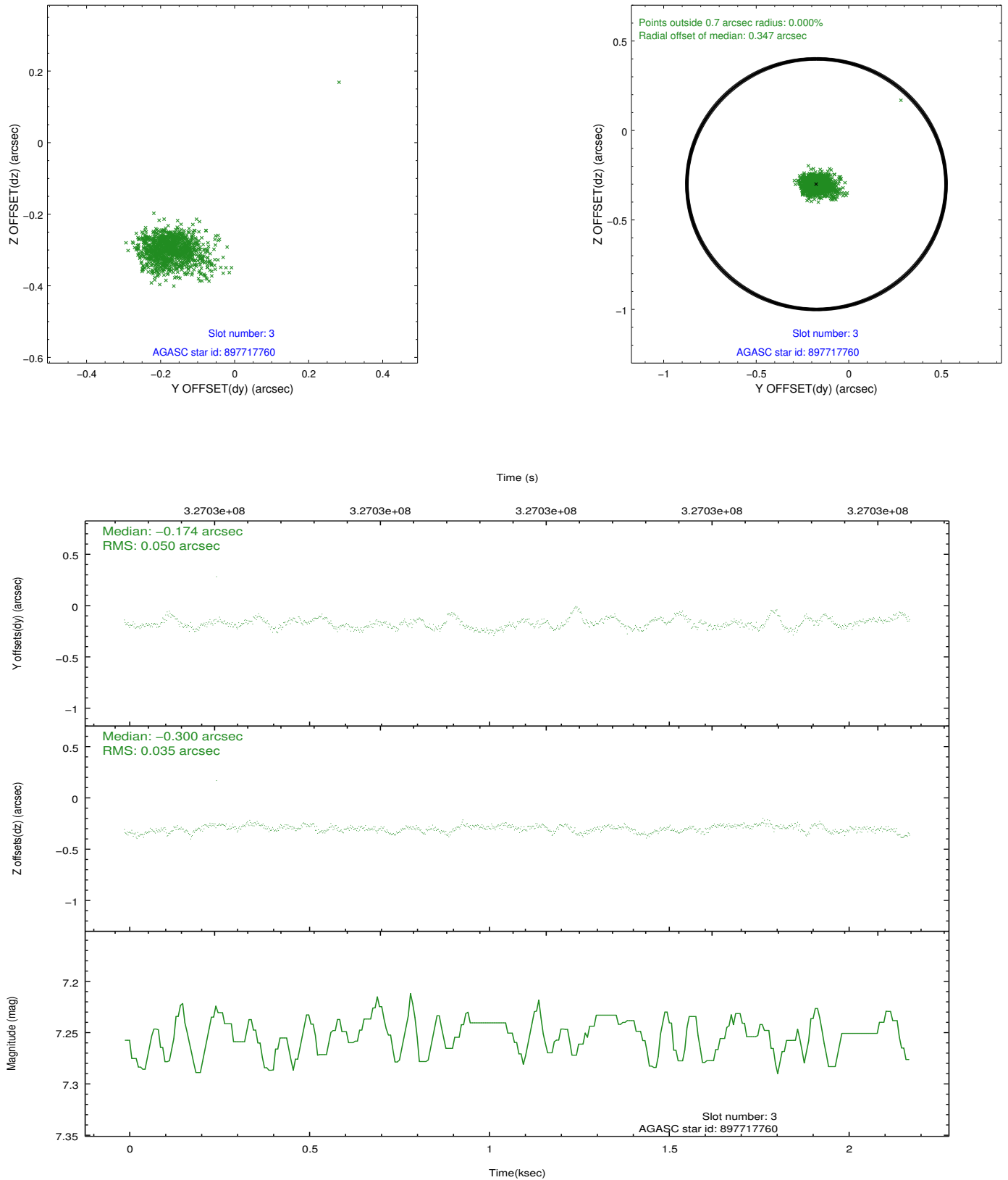


Slot Statistics

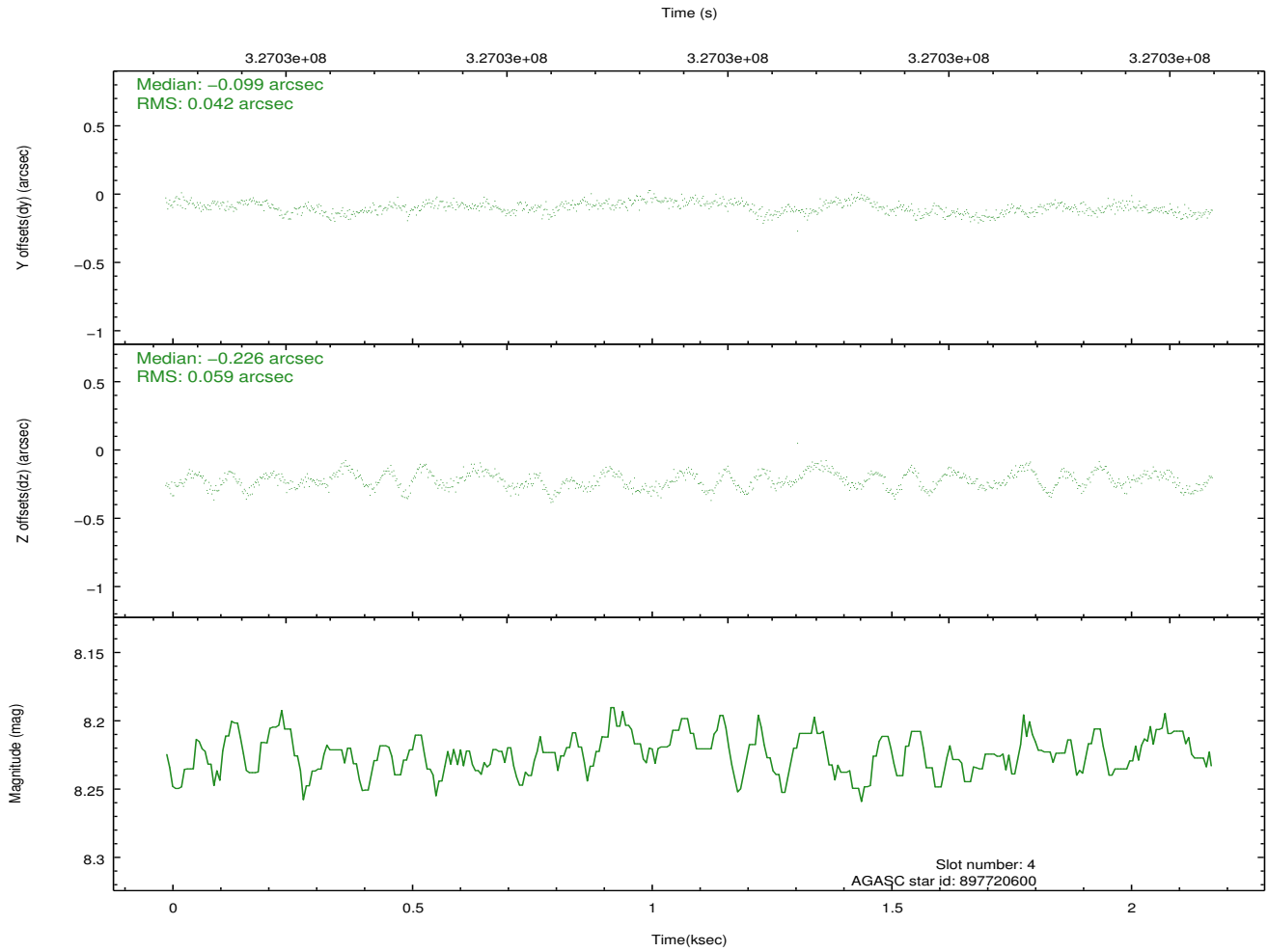
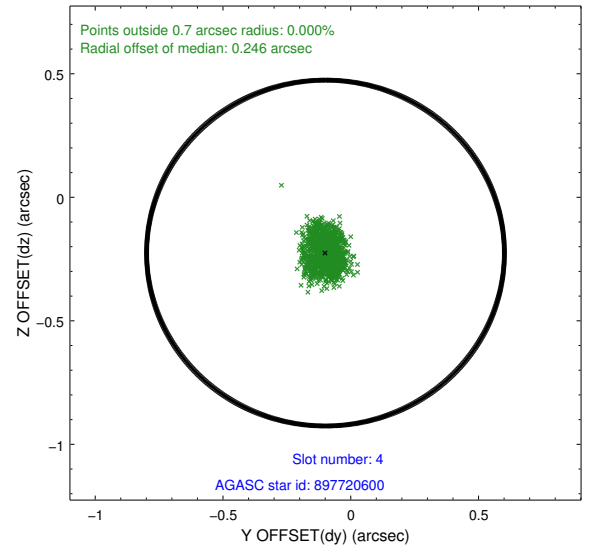
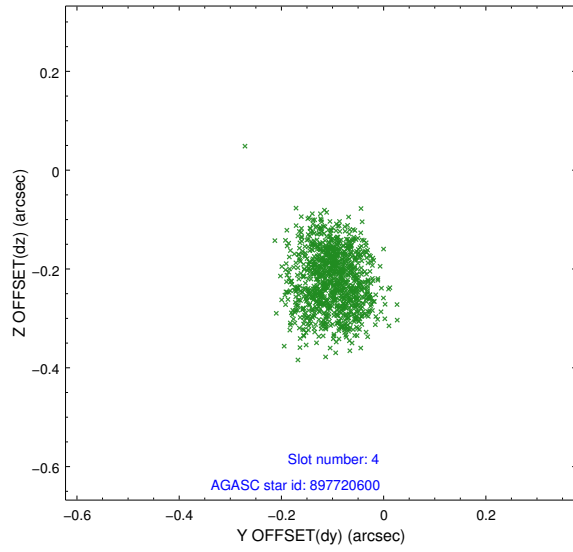
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	533	0.003	0.035	0.006	0.012	0.000000	0.000000	926.97	-837.67
1	FID	ACIS-I-5	6.99	533	-0.166	0.026	0.006	0.011	0.000000	0.000000	-1819.67	1058.28
2	FID	ACIS-I-6	7.00	533	0.072	0.010	0.007	0.011	0.000000	0.000000	389.31	1706.18
3	GUIDE	897717760	7.25	1066	-0.174	-0.300	0.058	0.104	268.392593	-27.282645	2158.99	1749.13
4	GUIDE	897720600	8.22	1064	-0.099	-0.226	0.079	0.119	268.319864	-27.628963	892.71	1758.51
5	GUIDE	898258992	8.00	1066	0.067	0.119	0.060	0.100	269.435214	-28.570389	-1832.95	-2316.53
6	GUIDE	897712424	8.92	1059	0.051	0.290	0.091	0.146	269.567786	-28.090711	-62.54	-2444.06
7	GUIDE	898236888	8.71	1062	0.153	0.118	0.083	0.133	269.539947	-28.141730	-256.65	-2387.96

2.4 Star Slots

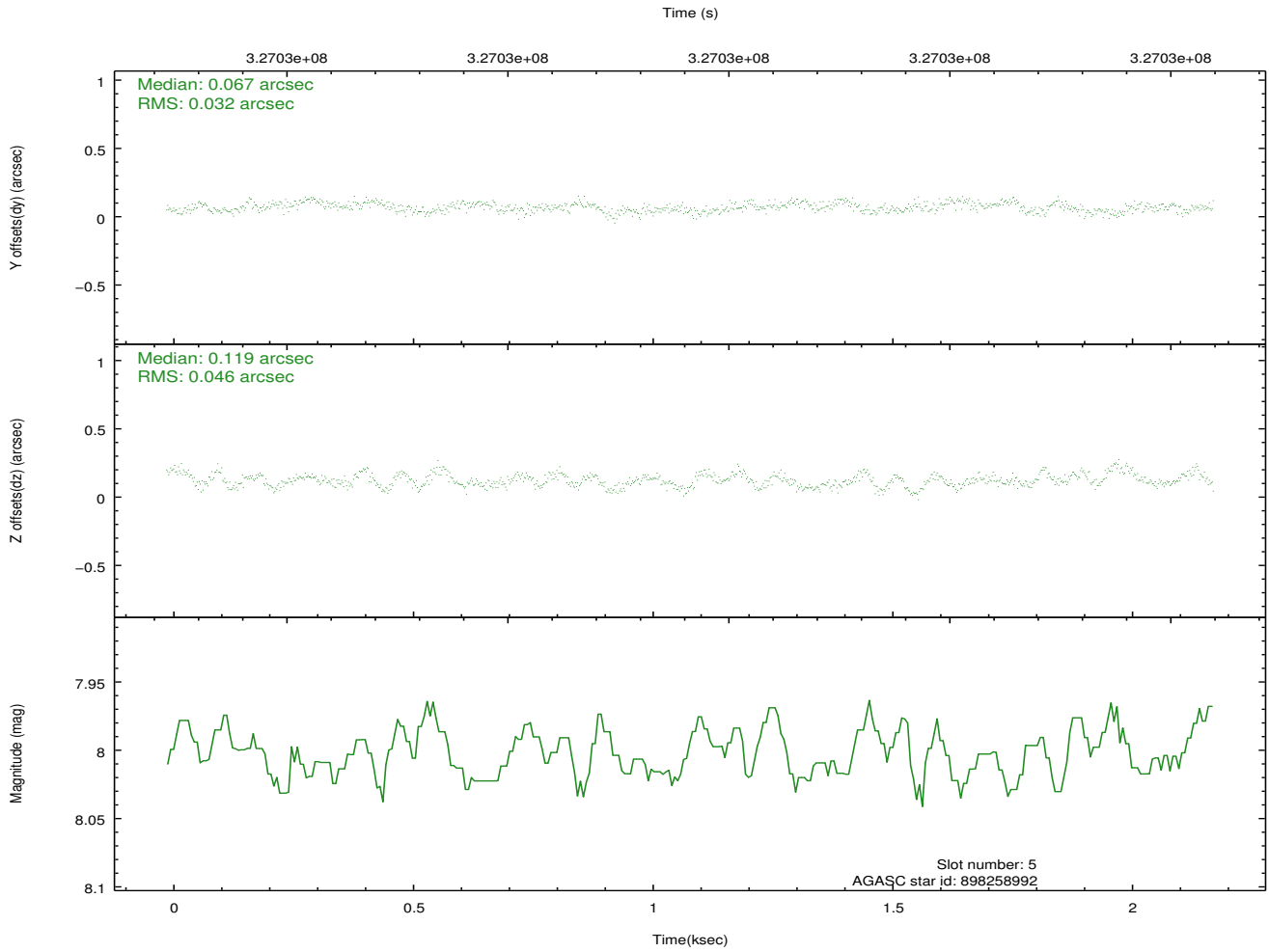
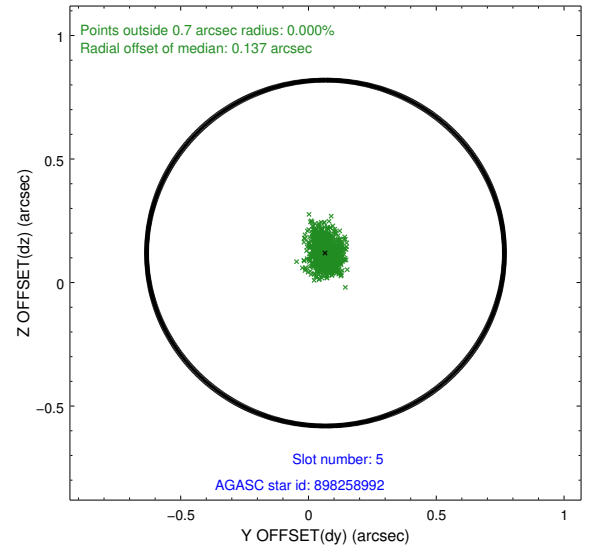
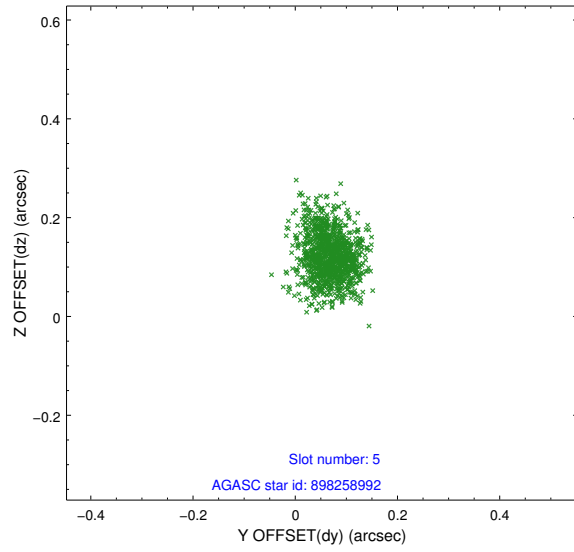
2.4.1 Slot 3



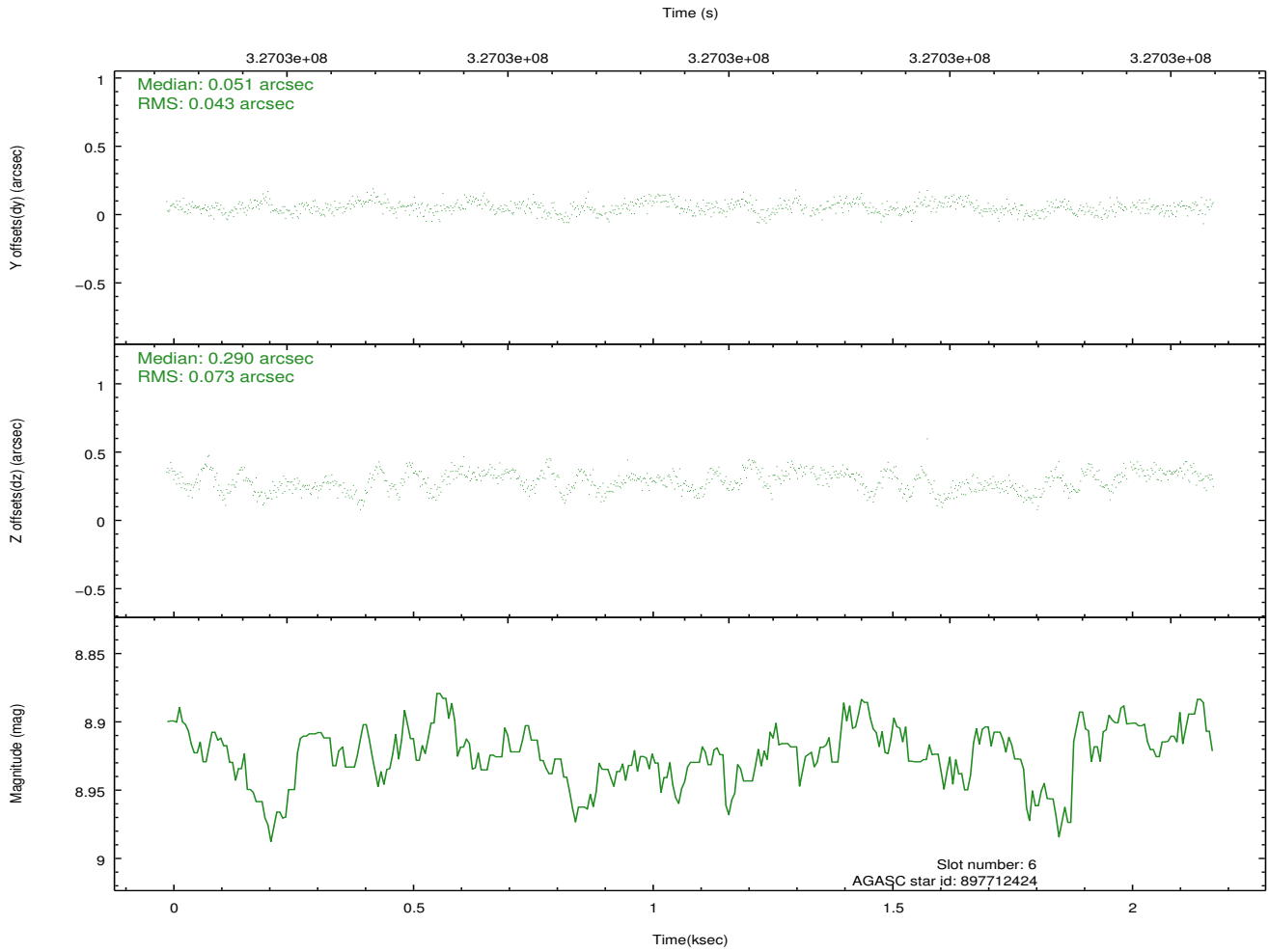
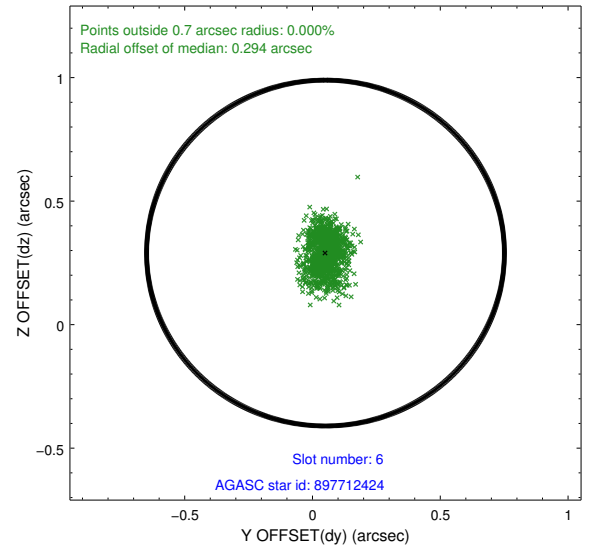
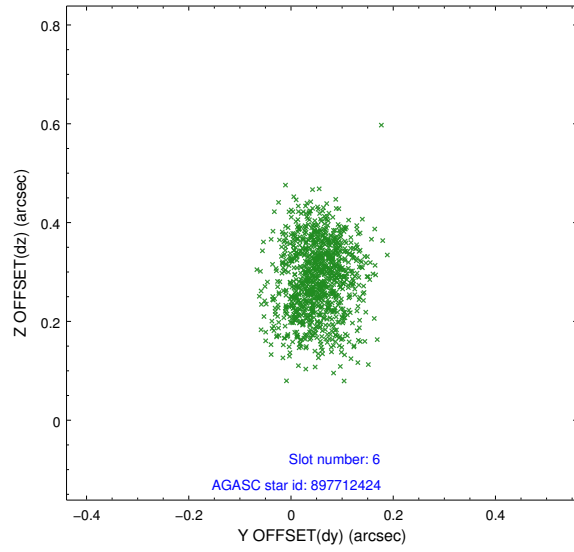
2.4.2 Slot 4



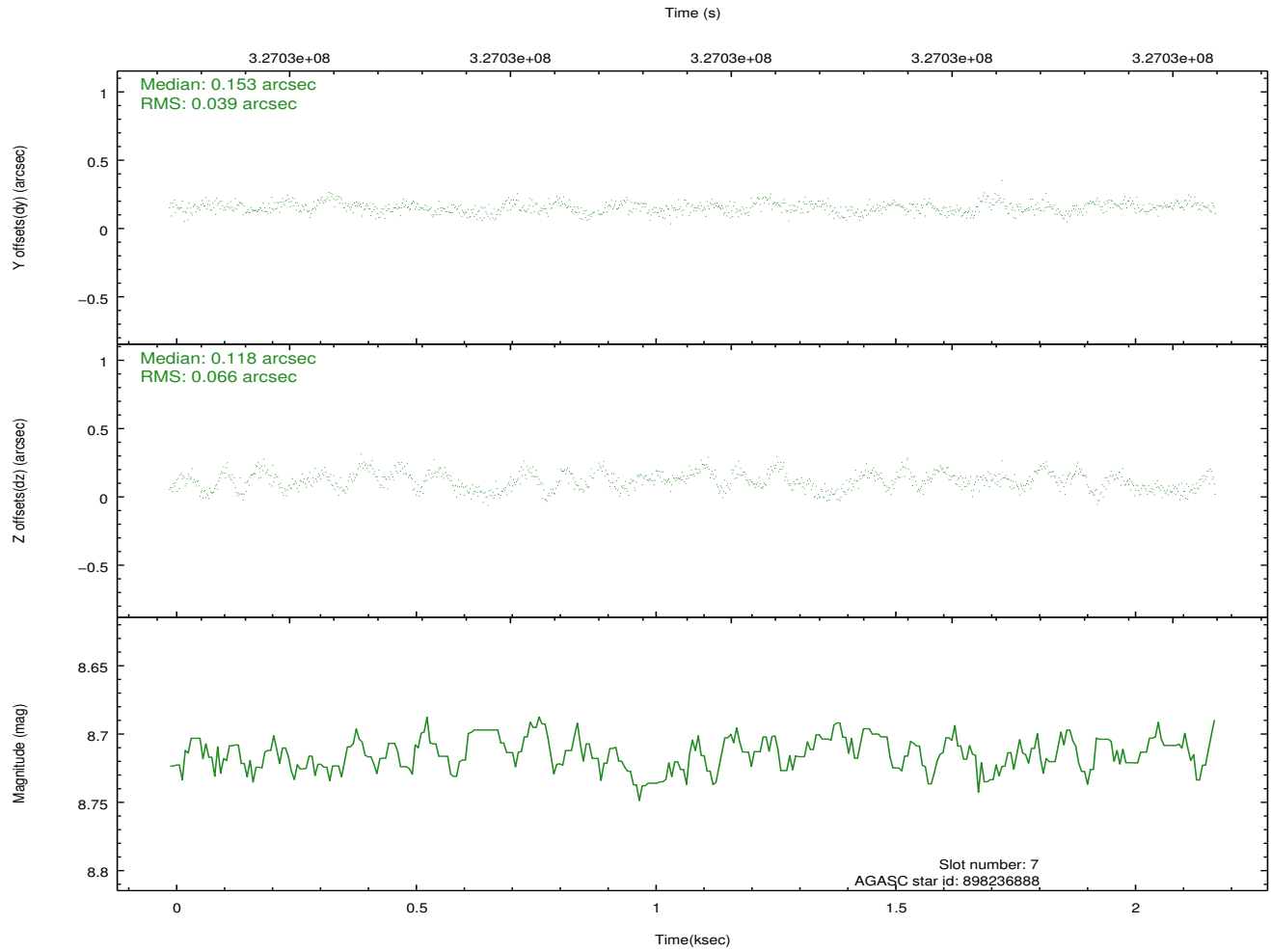
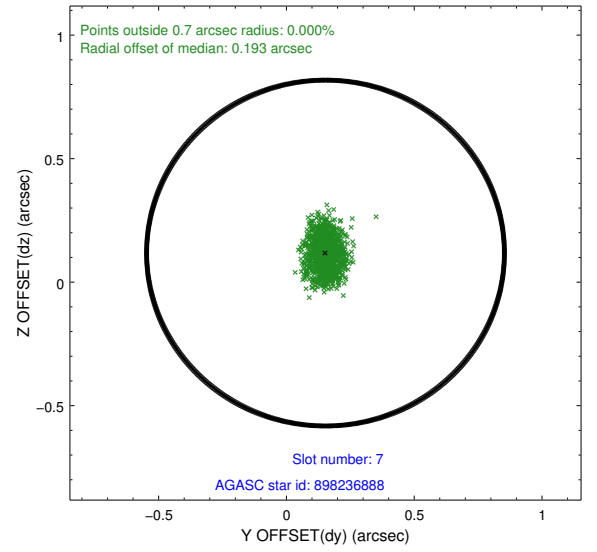
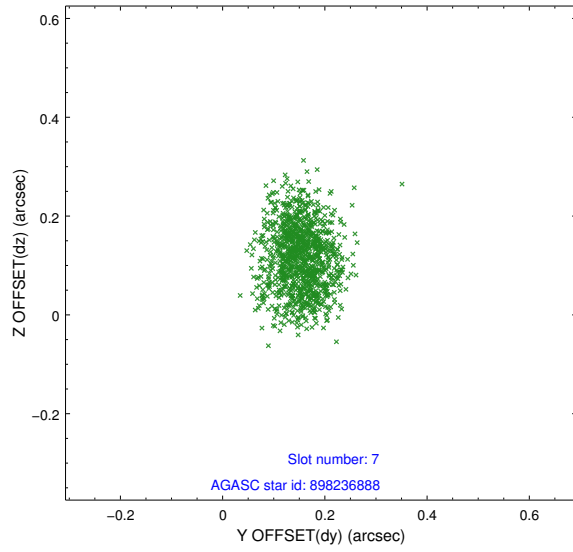
2.4.3 Slot 5



2.4.4 Slot 6

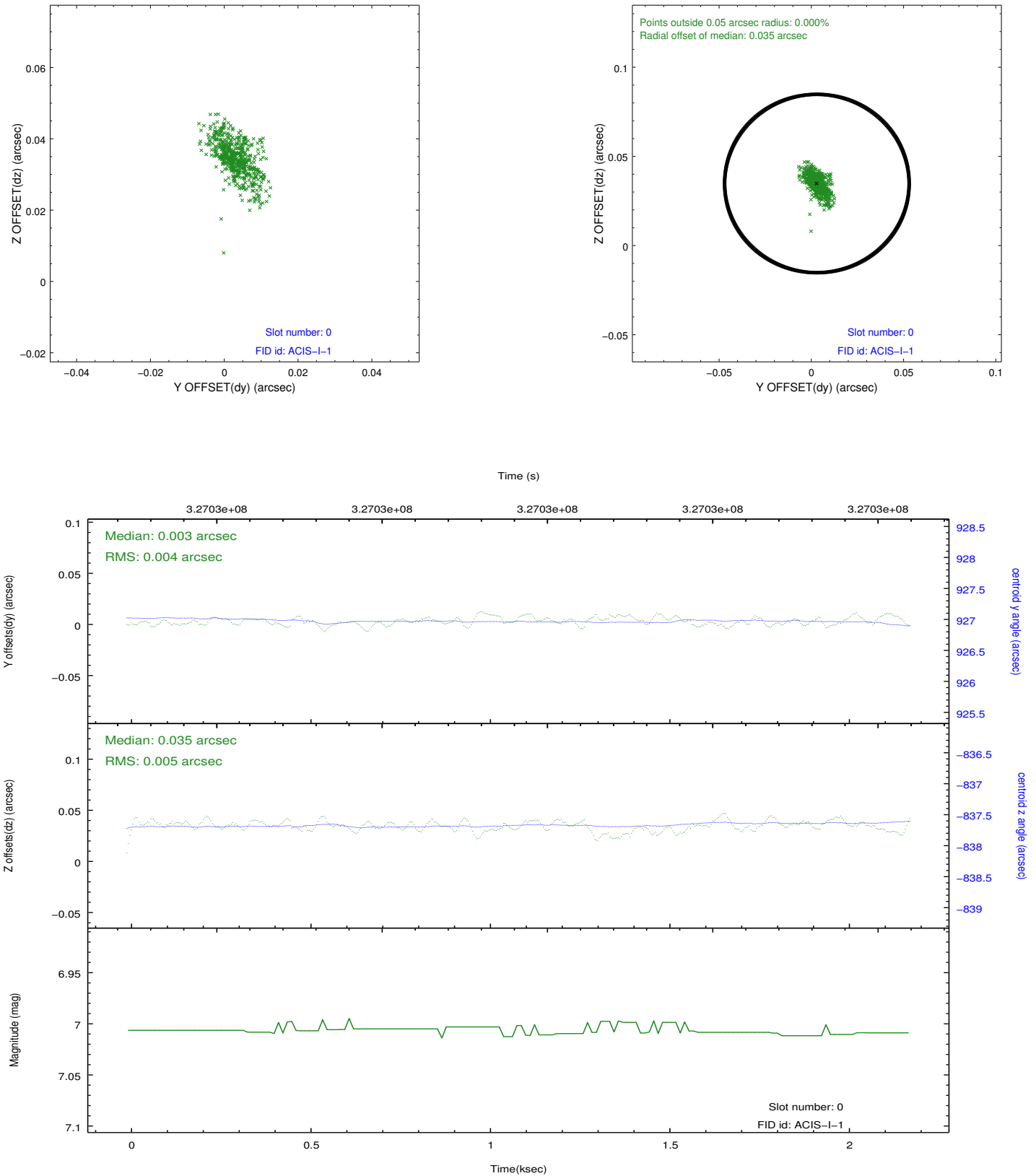


2.4.5 Slot 7

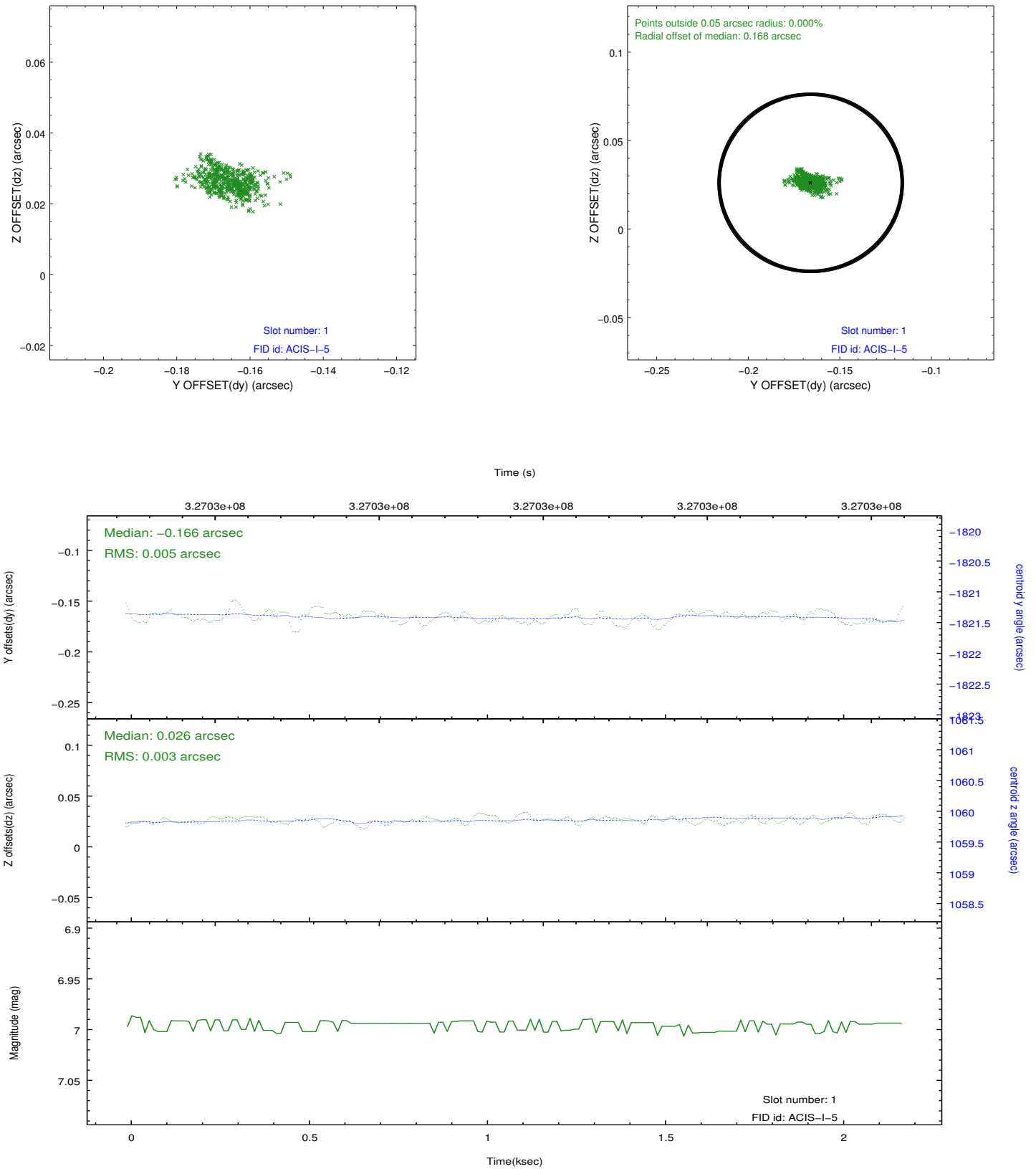


2.5 FID Slots

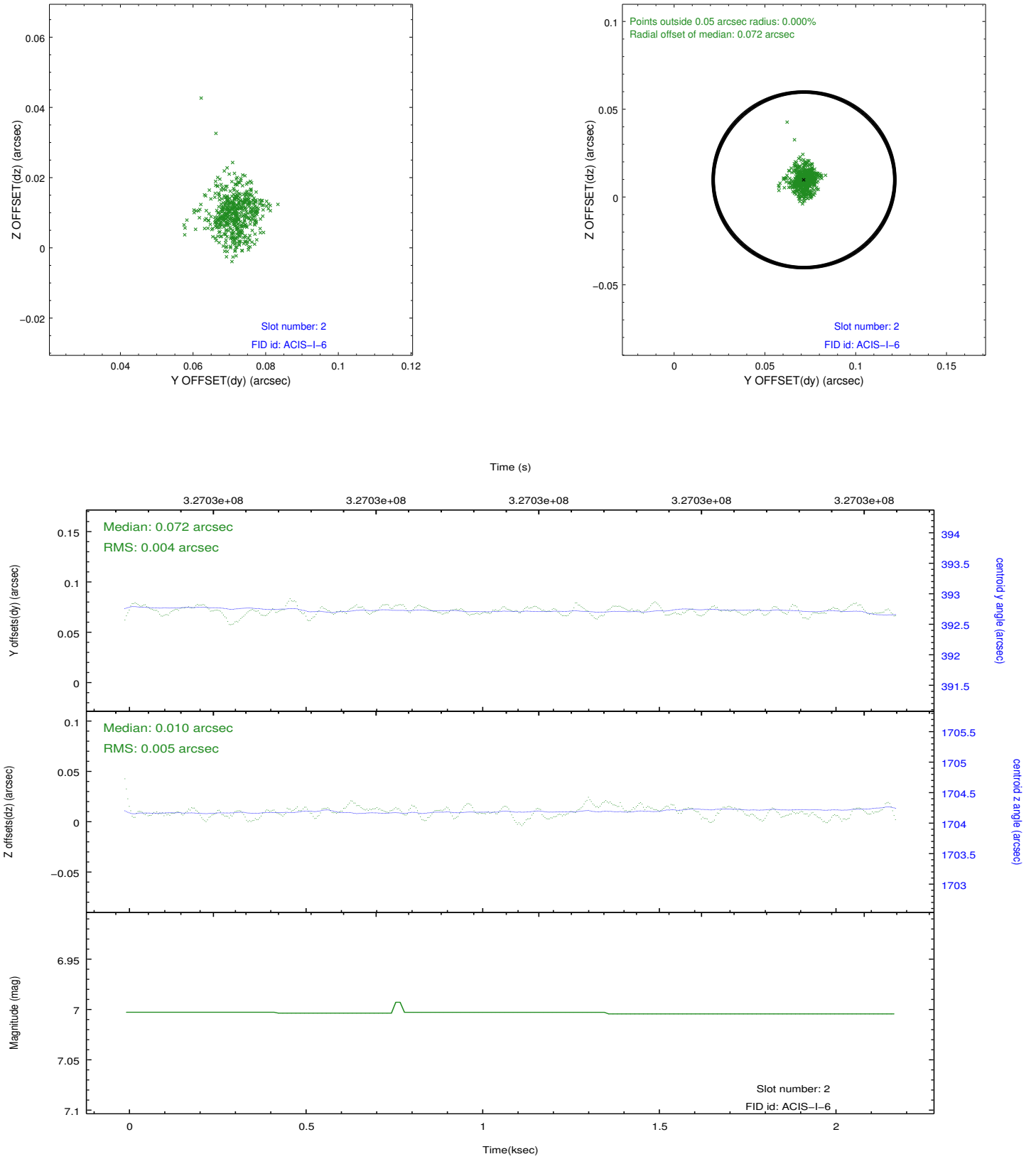
2.5.1 Slot 0



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)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18240001

A.2 Comments

Joint proposal with NOAO.