

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8720 - L2 Version 2
Chandra X-Ray Center

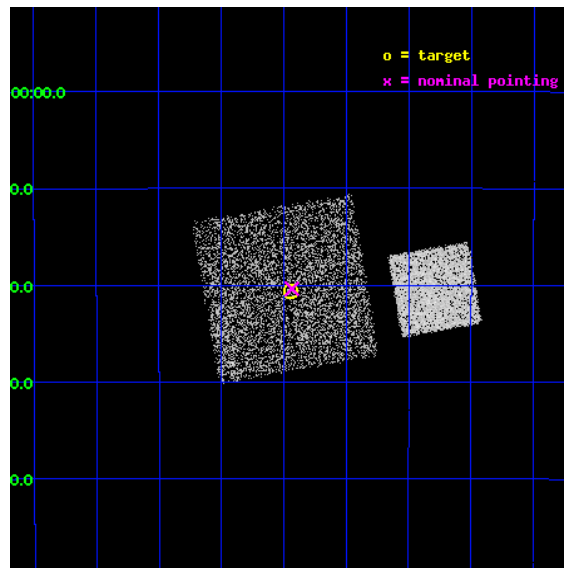
L2 Processing Date : May 14 2012

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1 Front

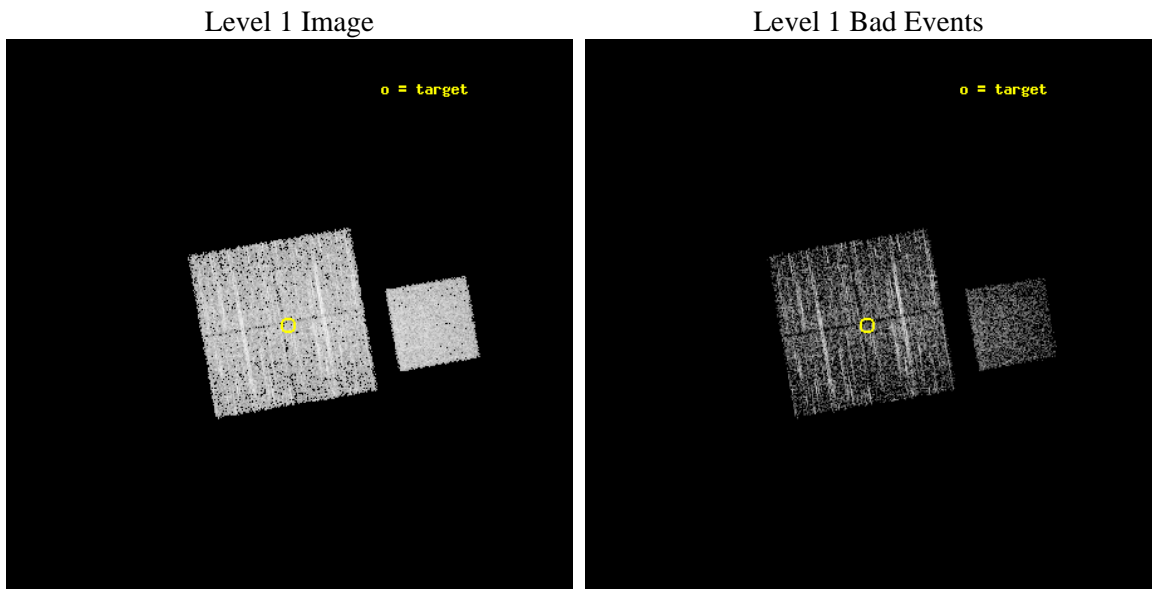
seq_num	400771	Sequence number
obs_id	8720	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.860831	Observer's specified target RA [deg]
dec_targ	-29.344541	Observer's specified target Dec [deg]
ra_nom	267.8589374892	Nominal RA [deg]
dec_nom	-29.339935130734	Nominal Dec [deg]
roll_nom	80.20777699728	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	17502	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	2012-05-14T20:45:34	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	104326	Number of level 1 events

2.1.4 Events

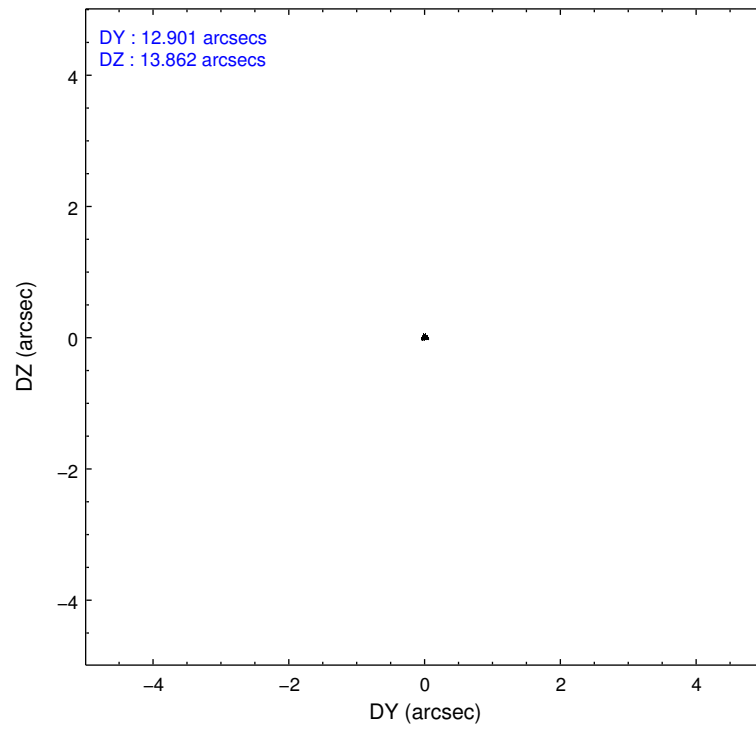
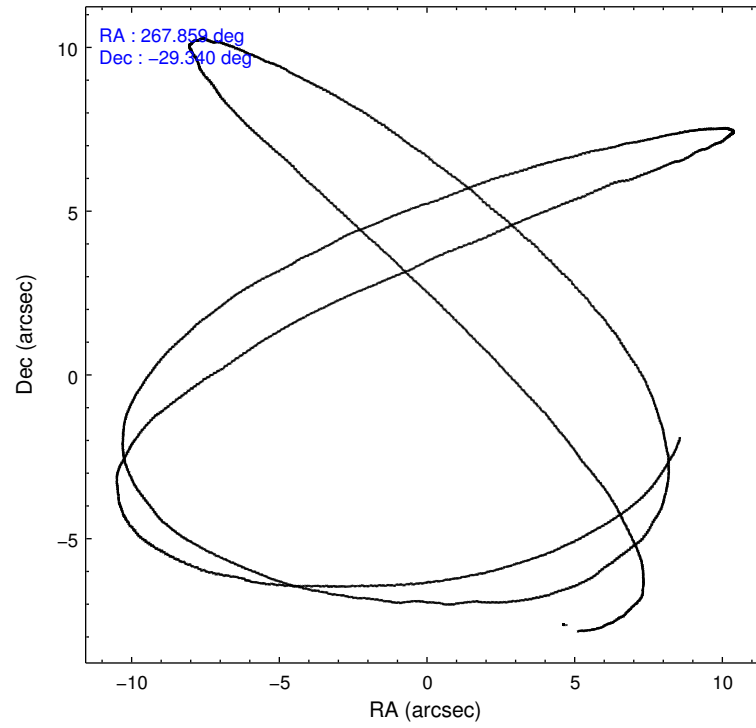
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19948	19344	21212	20533	23289
rejected events	17551	16792	18887	18225	13605
rejected %	87%	86%	89%	88%	58%

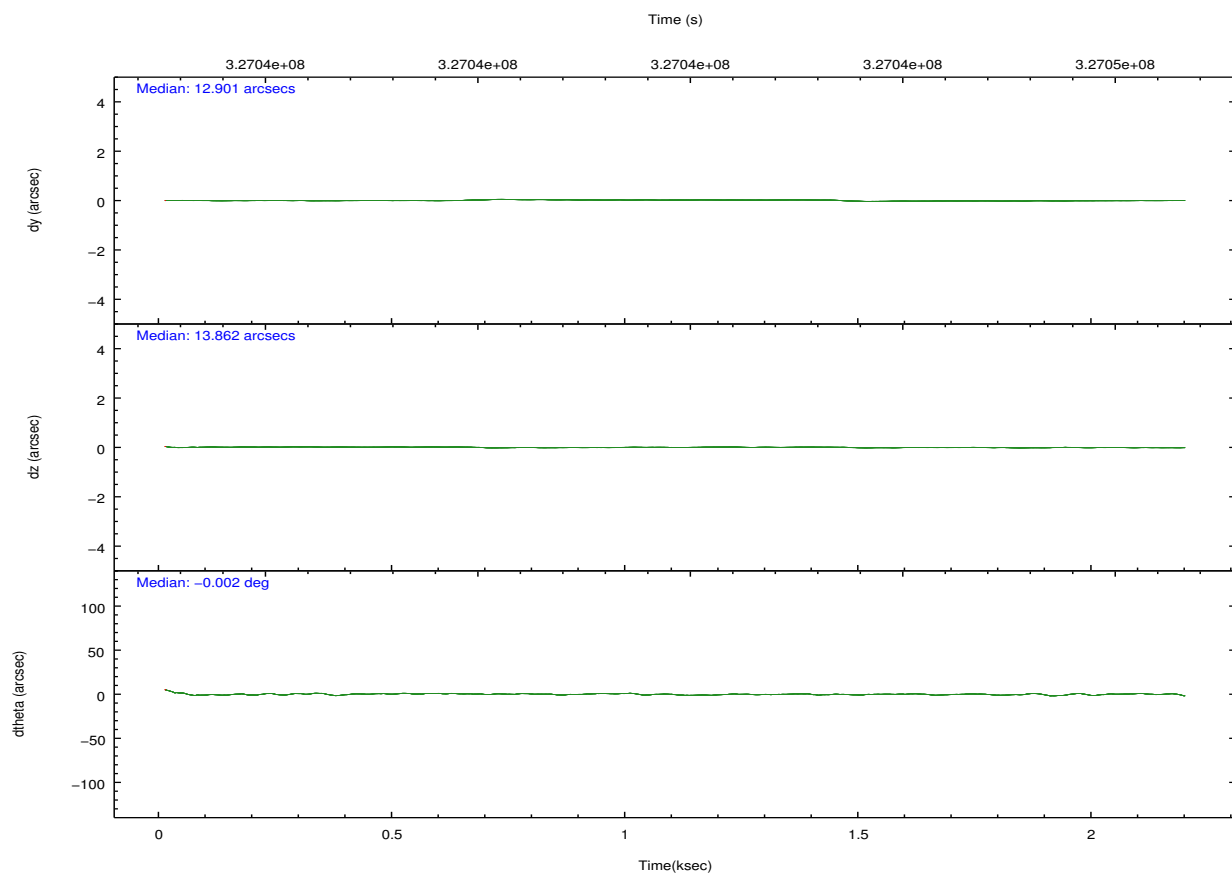
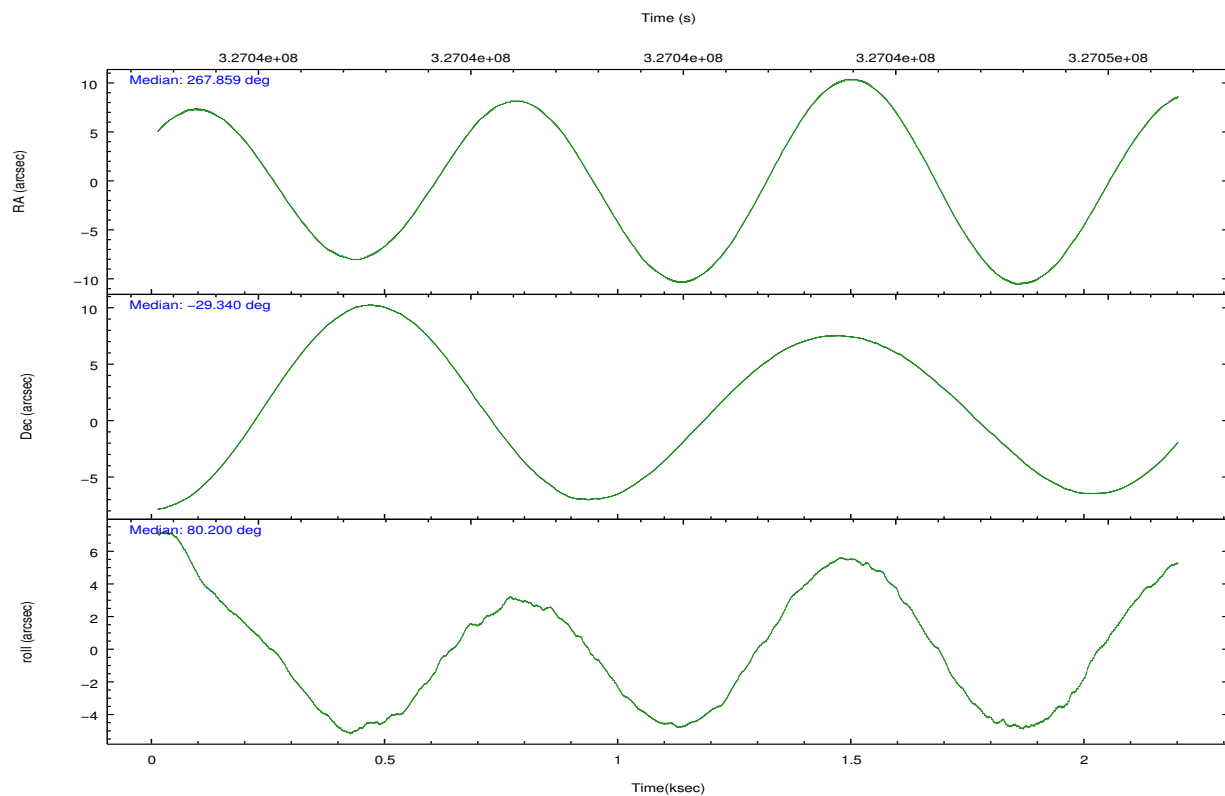
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1263	1368	1238	1241	1206
	6%	7%	5%	6%	5%
grade 1 events	16	14	17	26	28
	0%	0%	0%	0%	0%
grade 2 events	573	567	531	483	2338
	2%	2%	2%	2%	10%
grade 3 events	214	275	239	225	1044
	1%	1%	1%	1%	4%
grade 4 events	262	252	250	235	988
	1%	1%	1%	1%	4%
grade 5 events	721	782	693	837	2288
	3%	4%	3%	4%	9%
grade 6 events	436	461	385	447	5552
	2%	2%	1%	2%	23%
grade 7 events	16463	15625	17859	17039	9845
	82%	80%	84%	82%	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	267.869972	267.8589374891966	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.365577	-29.33993513073384	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004483	80.20777699727995	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)	327043562.184000	327043185.77474	CCD S5 on	N	N
Observation start date	2008-05-13T05:24:57	2008-05-13T05:19:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327045562.184000	327045695.48736	On-chip summing requested	N	N
Observation end date	2008-05-13T05:58:17	2008-05-13T06:01:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



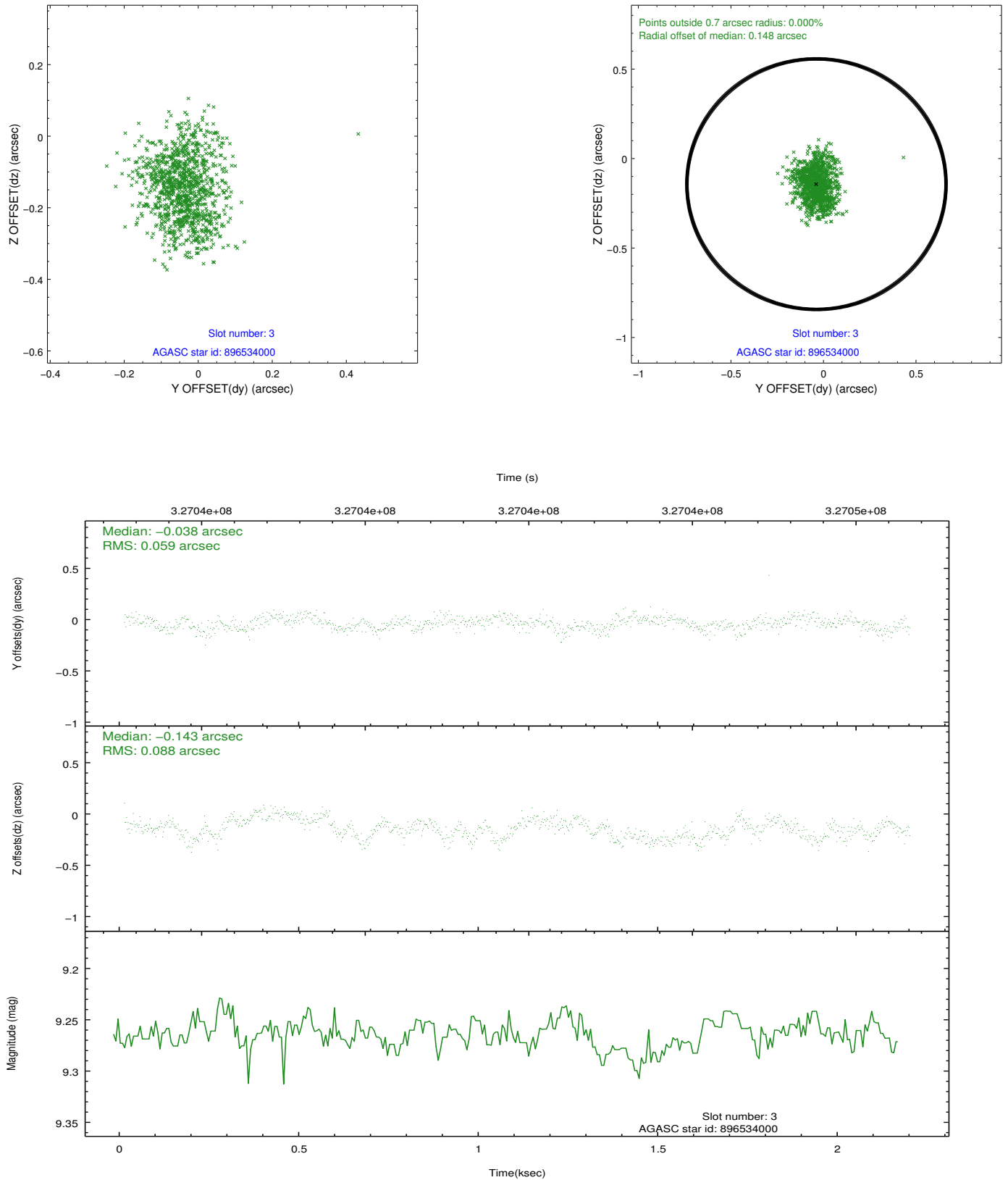


Slot Statistics

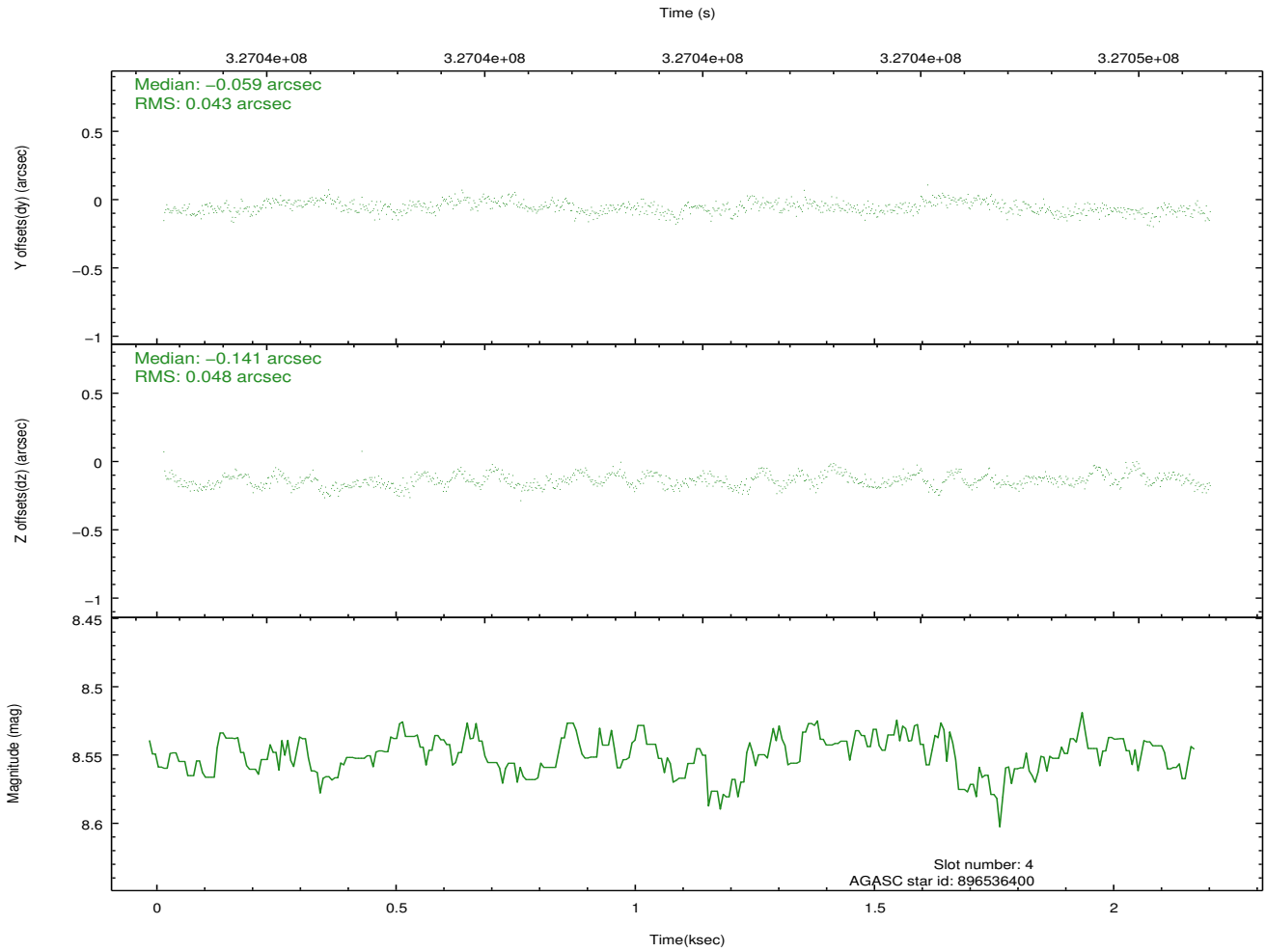
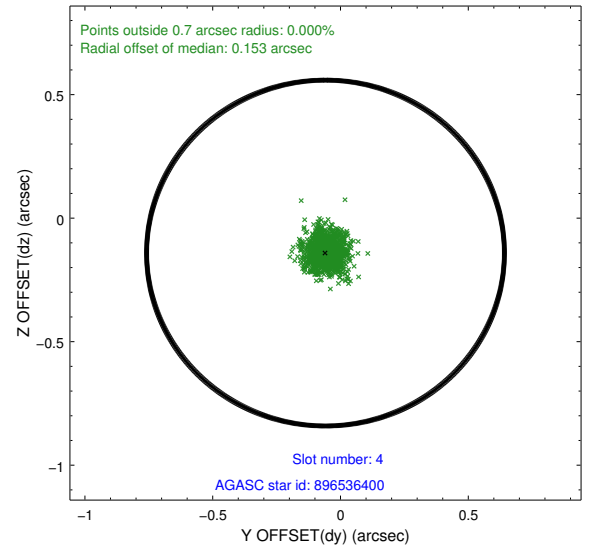
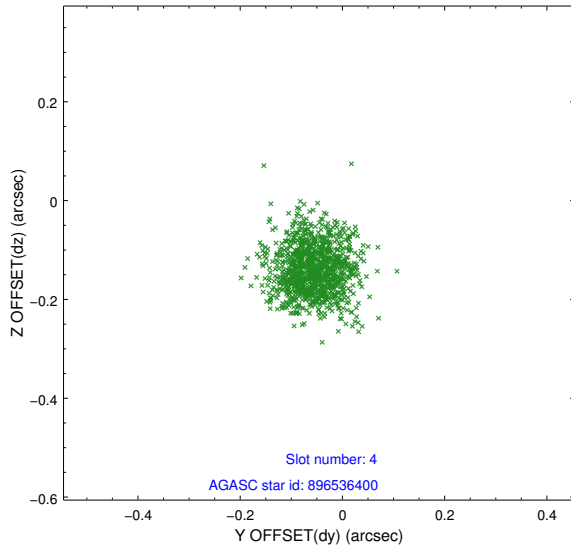
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	534	-0.026	0.027	0.009	0.016	0.000000	0.000000	926.59	-837.40
1	FID	ACIS-I-4	6.97	534	0.180	0.017	0.007	0.013	0.000000	0.000000	2148.48	1060.91
2	FID	ACIS-I-5	7.01	534	-0.253	0.026	0.007	0.013	0.000000	0.000000	-1817.82	1062.14
3	GUIDE	896534000	9.26	1067	-0.038	-0.143	0.114	0.178	267.299113	-29.228915	169.25	1850.86
4	GUIDE	896536400	8.55	1068	-0.059	-0.141	0.068	0.112	267.359146	-29.438655	-540.02	1532.62
5	GUIDE	896540528	8.27	1068	-0.031	-0.111	0.101	0.149	267.368305	-29.314773	-96.74	1583.06
6	GUIDE	898247688	8.67	1068	-0.017	0.125	0.067	0.114	268.426687	-29.012154	1553.89	-1504.01
7	GUIDE	898248800	8.22	1066	0.143	0.279	0.069	0.114	267.977609	-29.931731	-1946.76	-685.79

2.4 Star Slots

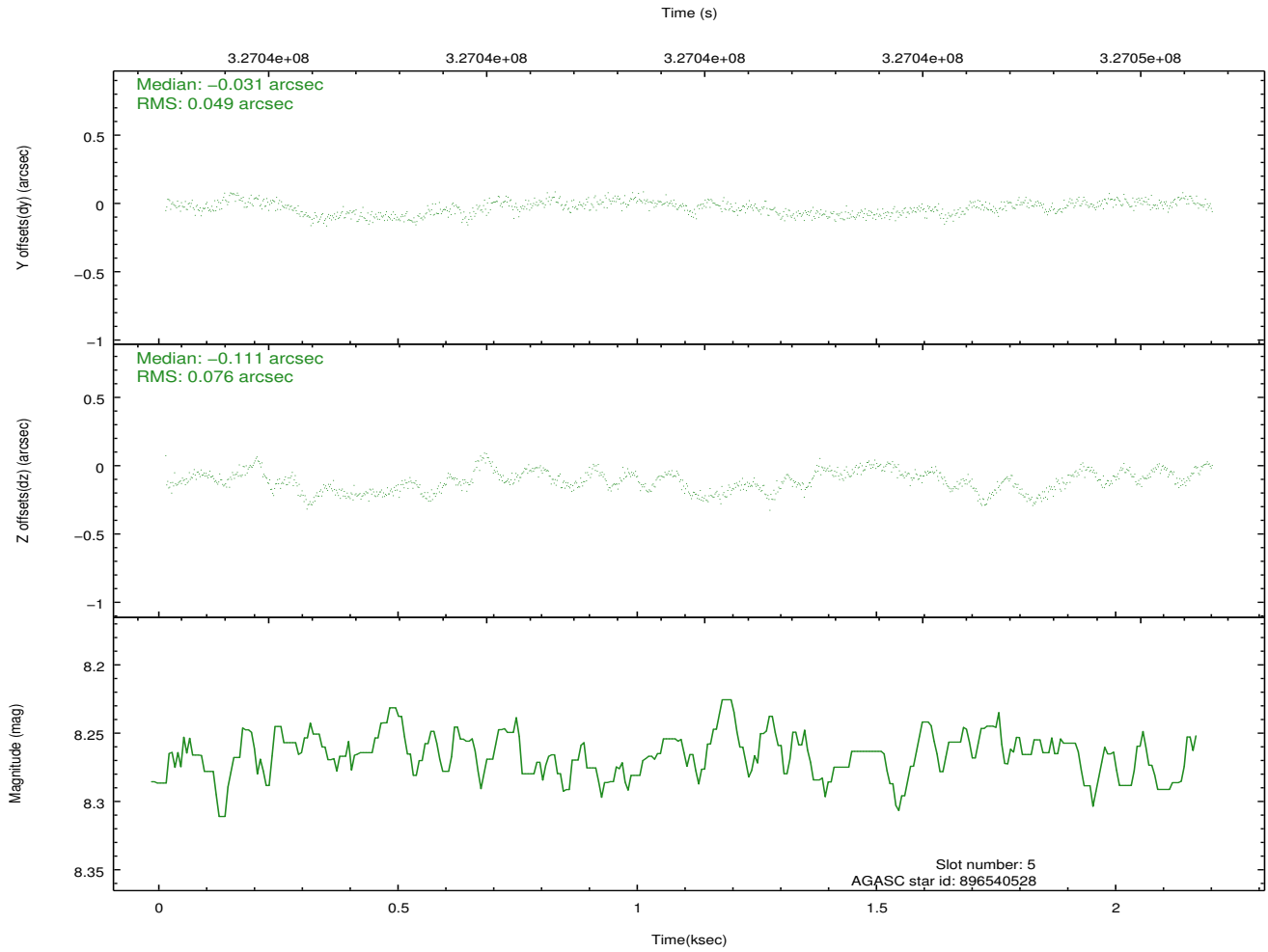
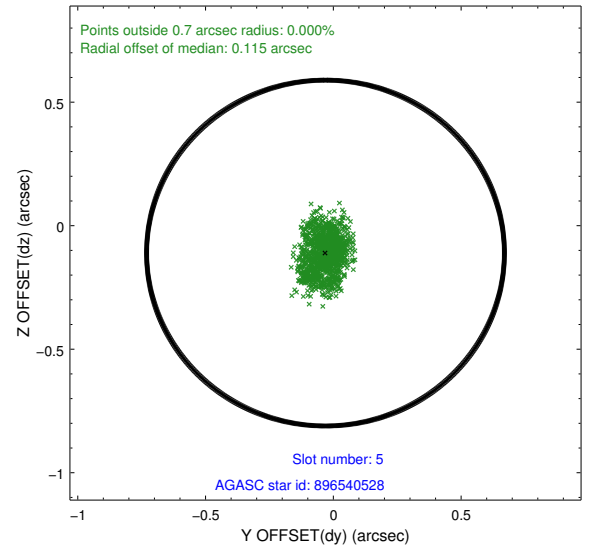
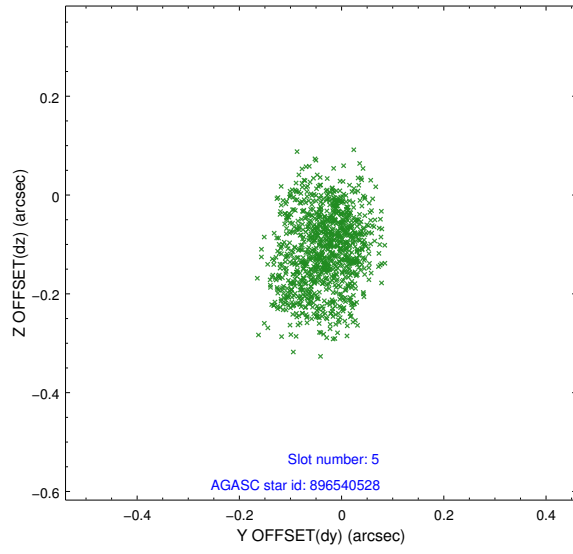
2.4.1 Slot 3



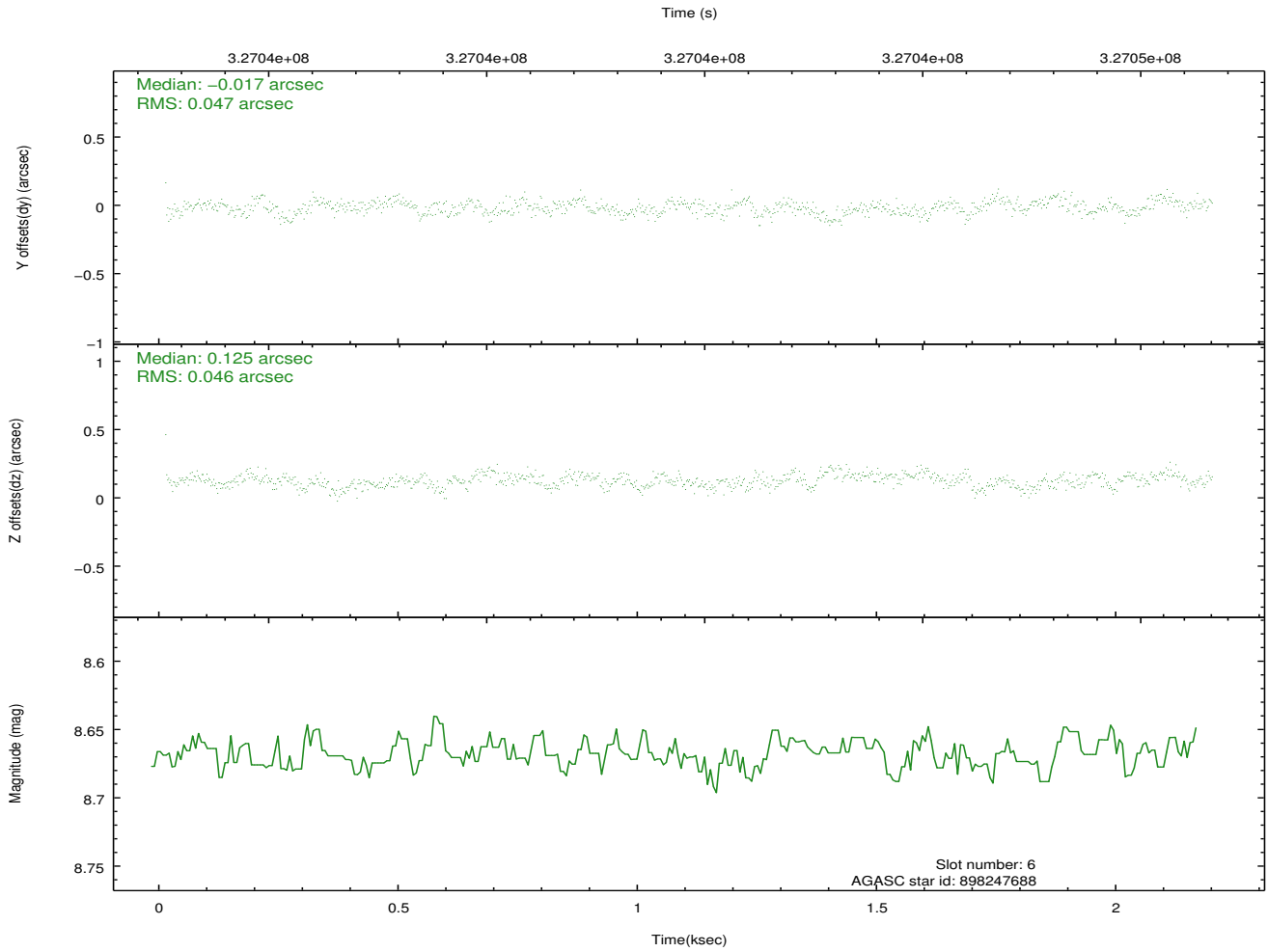
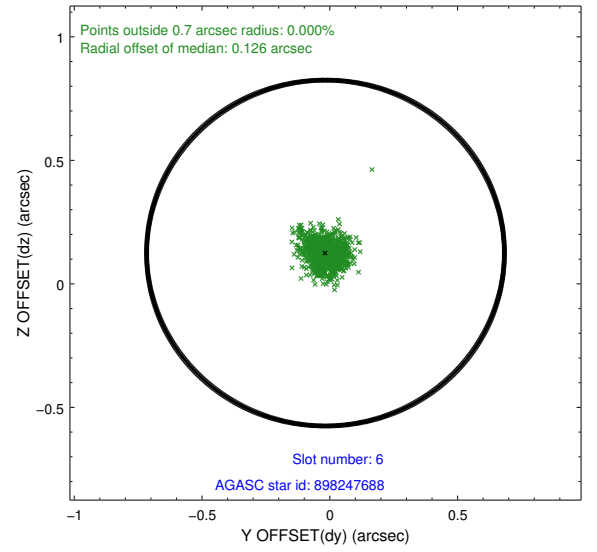
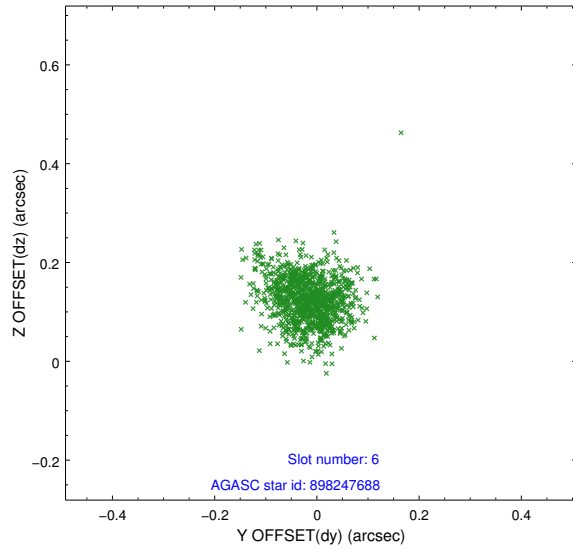
2.4.2 Slot 4



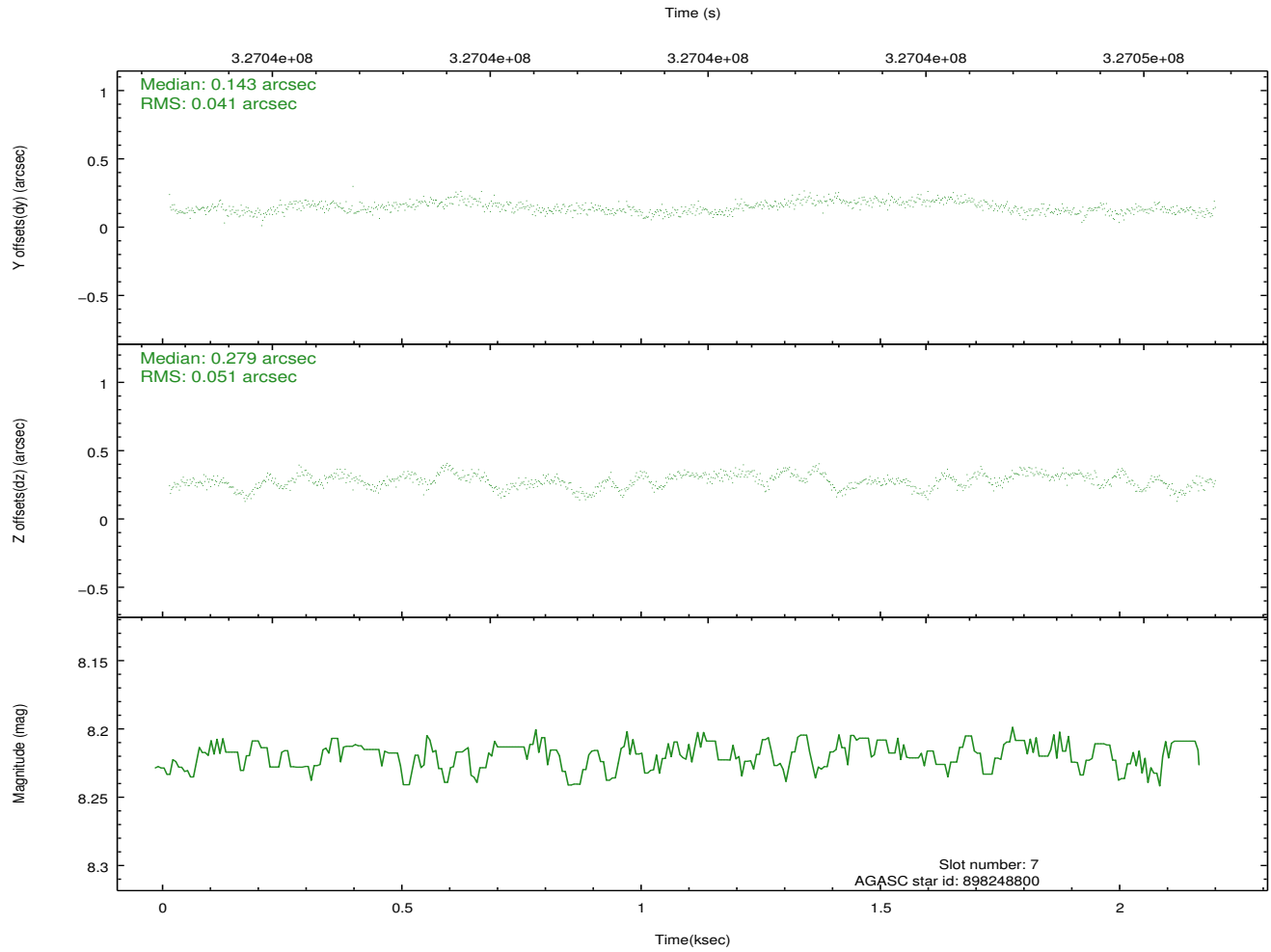
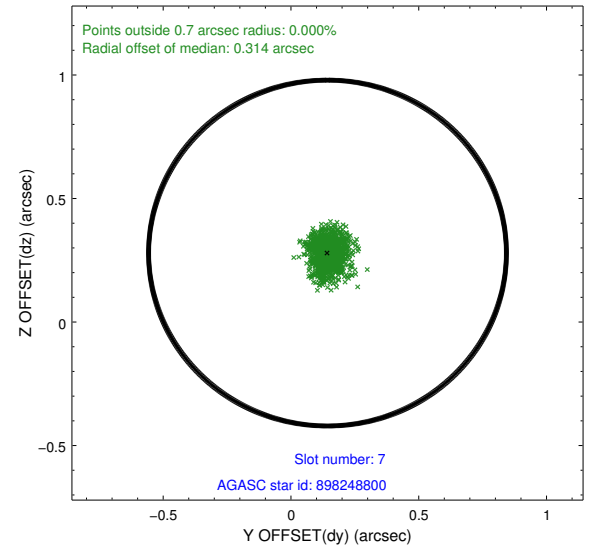
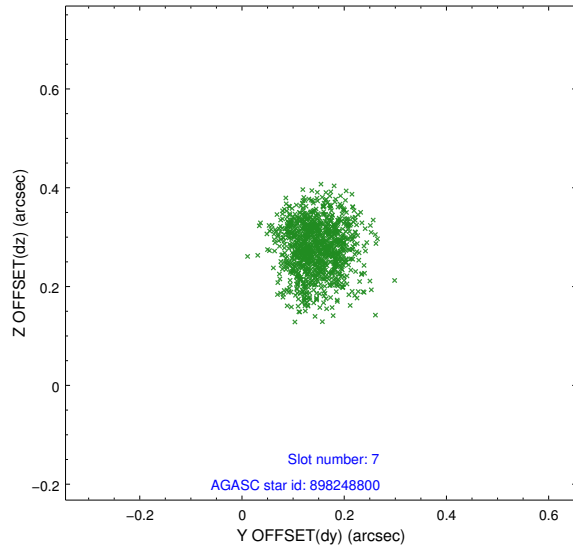
2.4.3 Slot 5



2.4.4 Slot 6

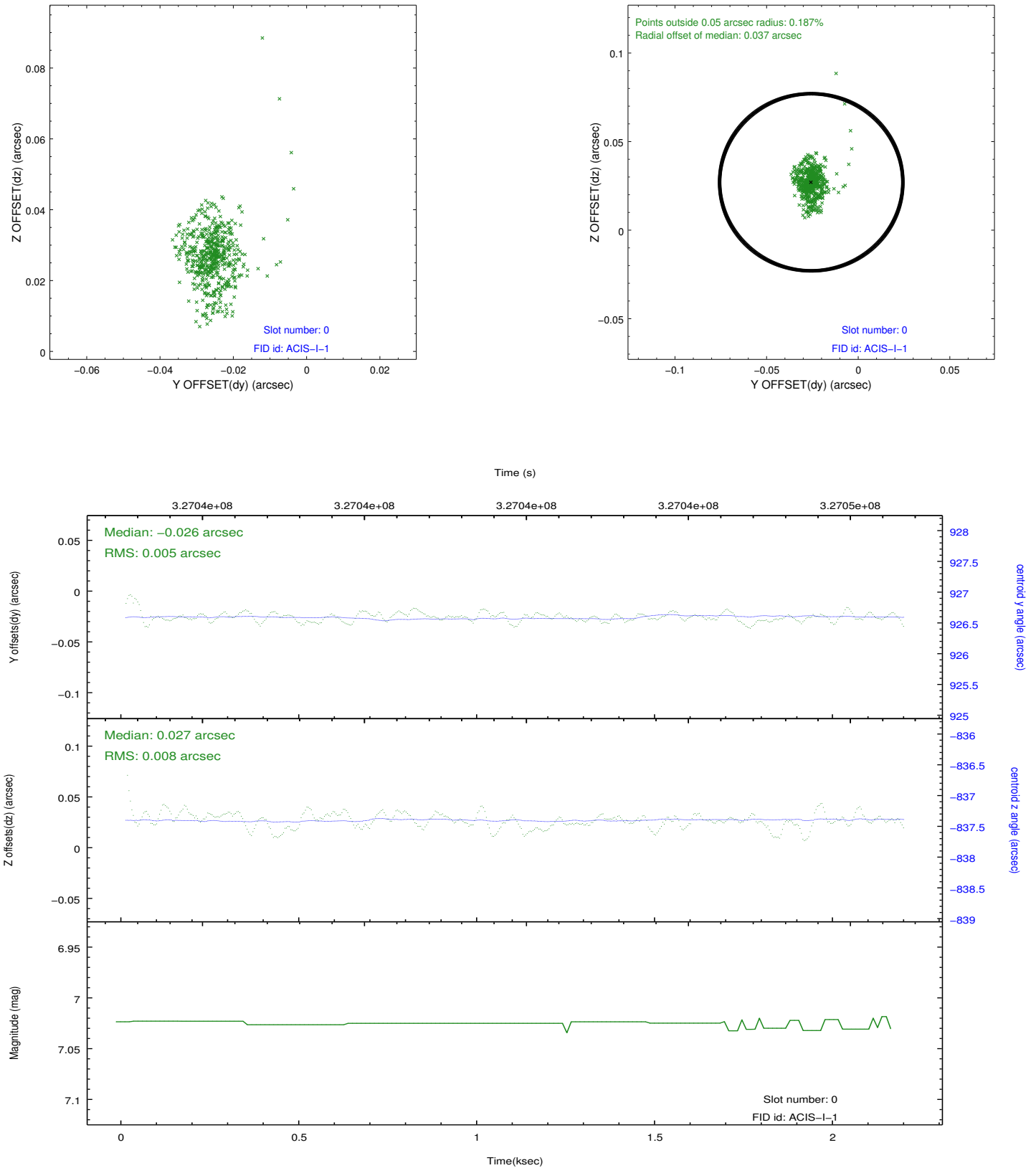


2.4.5 Slot 7

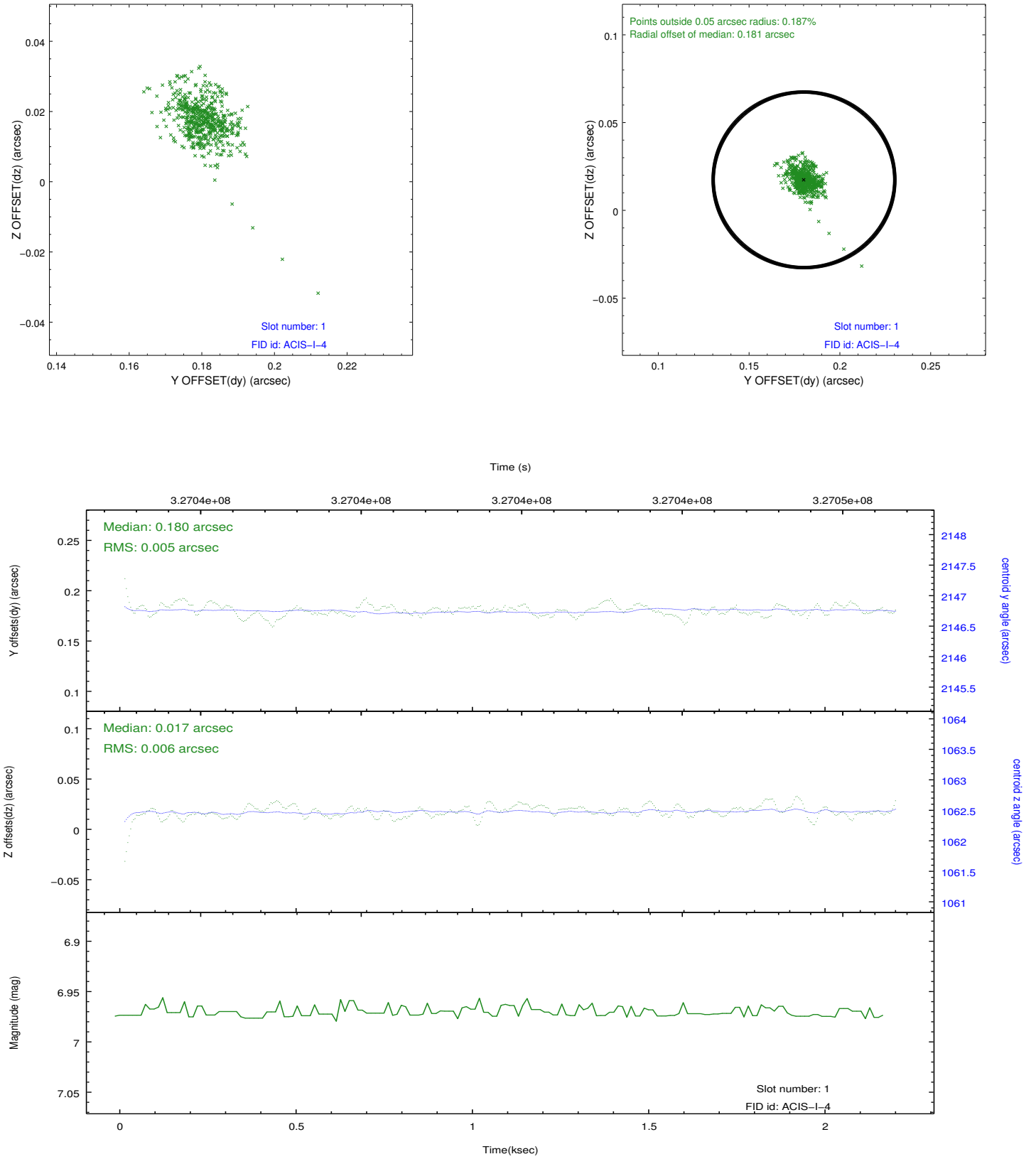


2.5 FID Slots

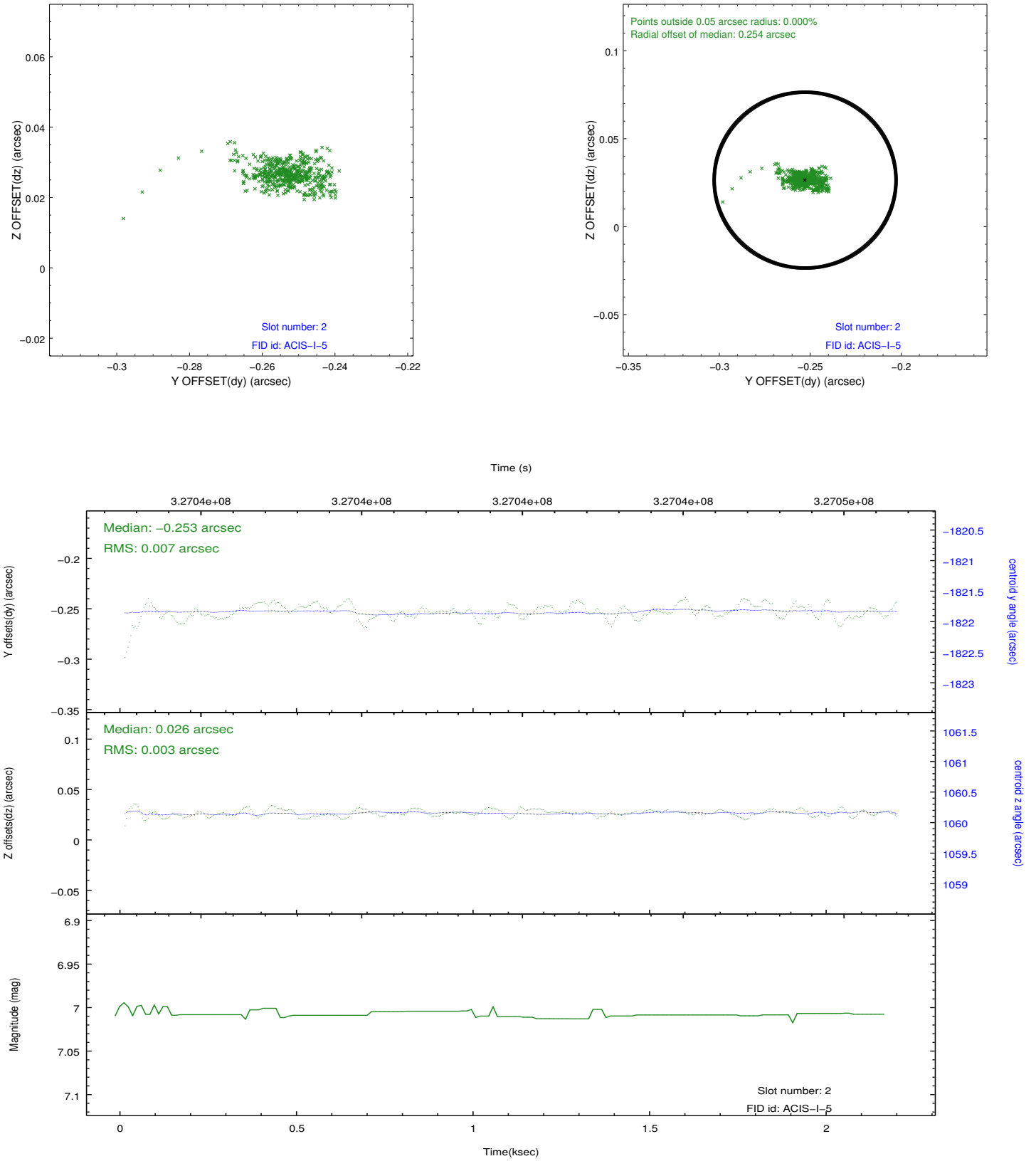
2.5.1 Slot 0



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)	2012.05.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18550001

A.2 Comments

Joint proposal with NOAO.