

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8721 - L2 Version 2
Chandra X-Ray Center

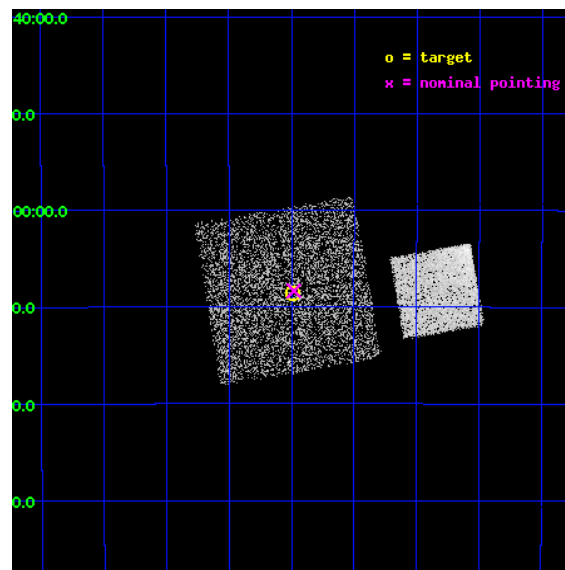
L2 Processing Date : May 14 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

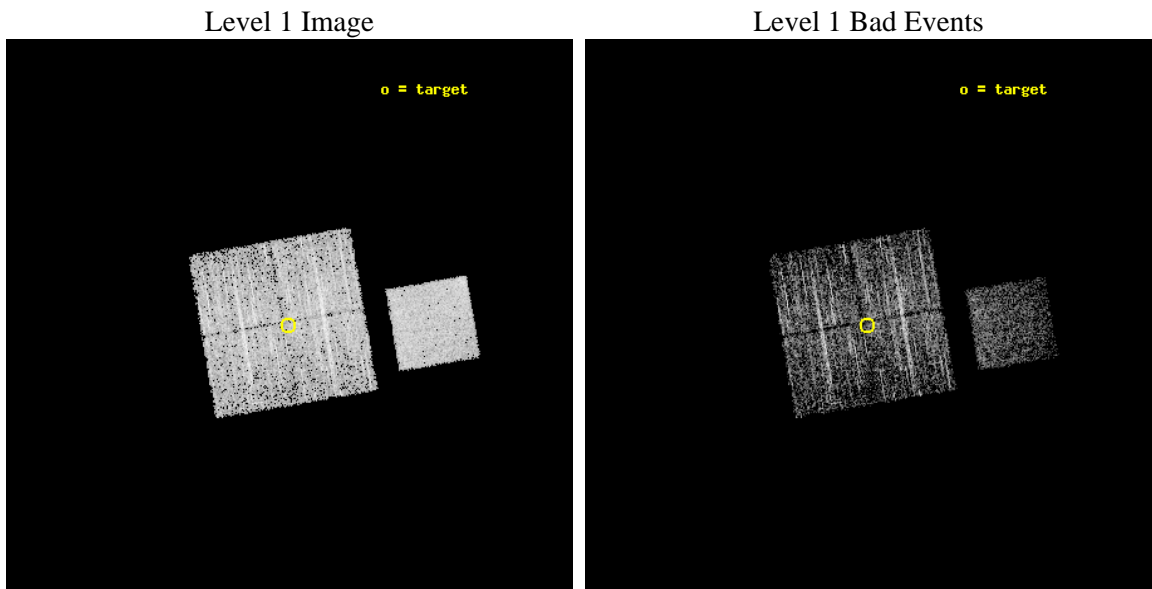
seq_num	400772	Sequence number
obs_id	8721	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.997184	Observer's specified target RA [deg]
dec_targ	-29.143888	Observer's specified target Dec [deg]
ra_nom	267.99522078176	Nominal RA [deg]
dec_nom	-29.139009189353	Nominal Dec [deg]
roll_nom	80.207761759841	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	19784	Number of level 2 events



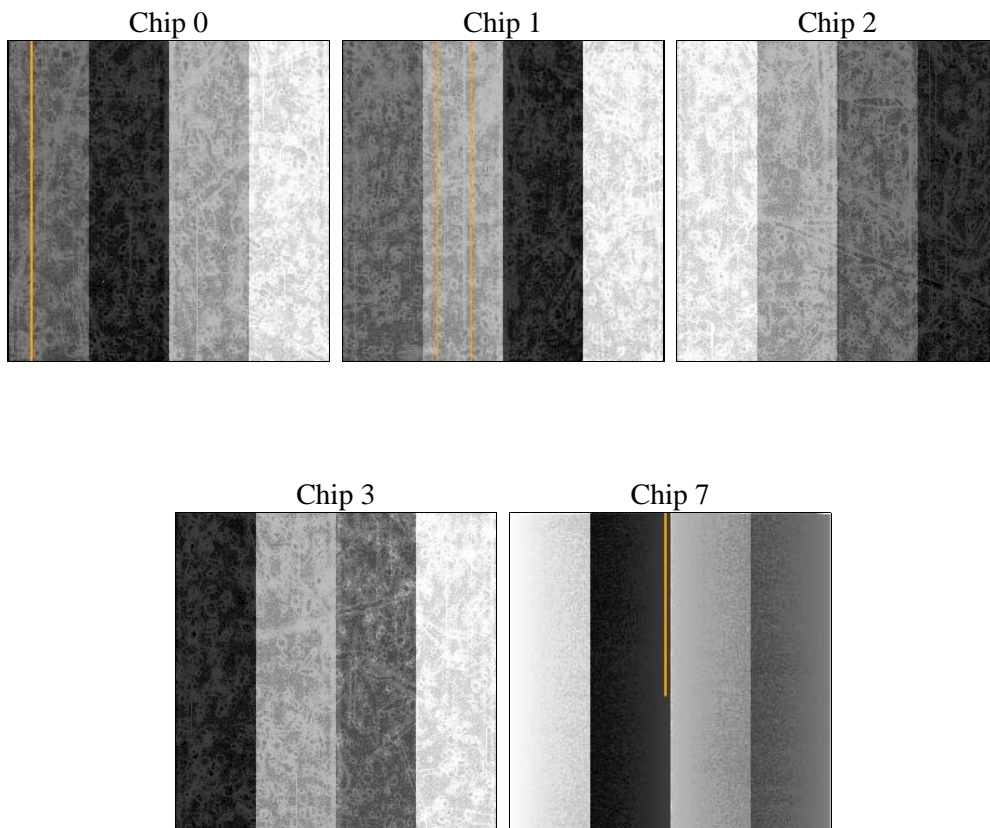
2 OBI

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	2012-05-14T20:45:34	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	107883	Number of level 1 events

2.1.4 Events

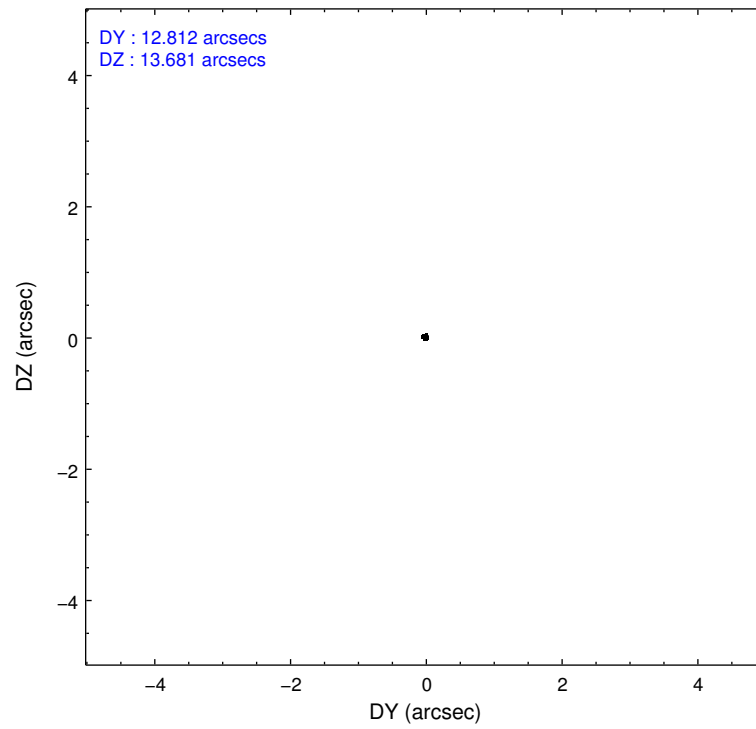
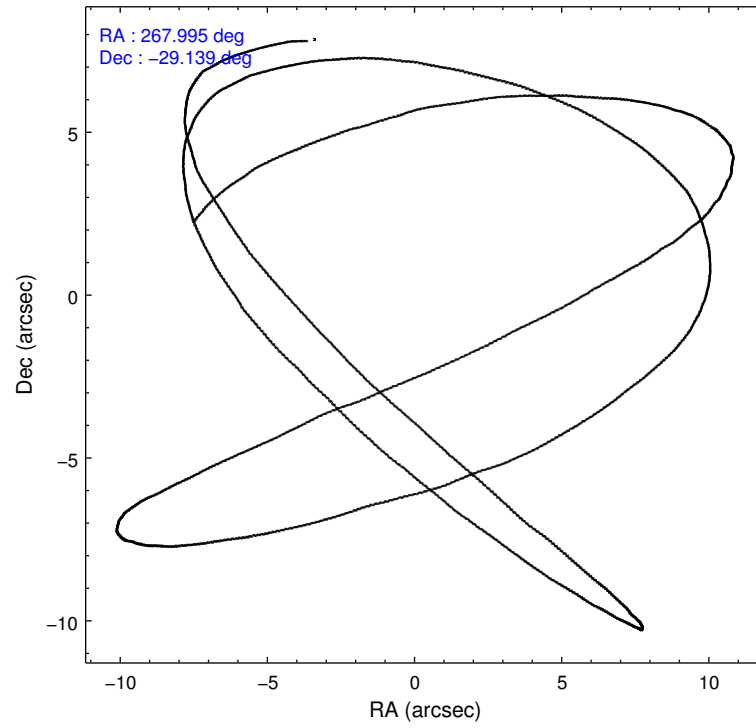
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19912	19082	22236	20602	26051
rejected events	17642	16560	19806	18466	13839
rejected %	88%	86%	89%	89%	53%

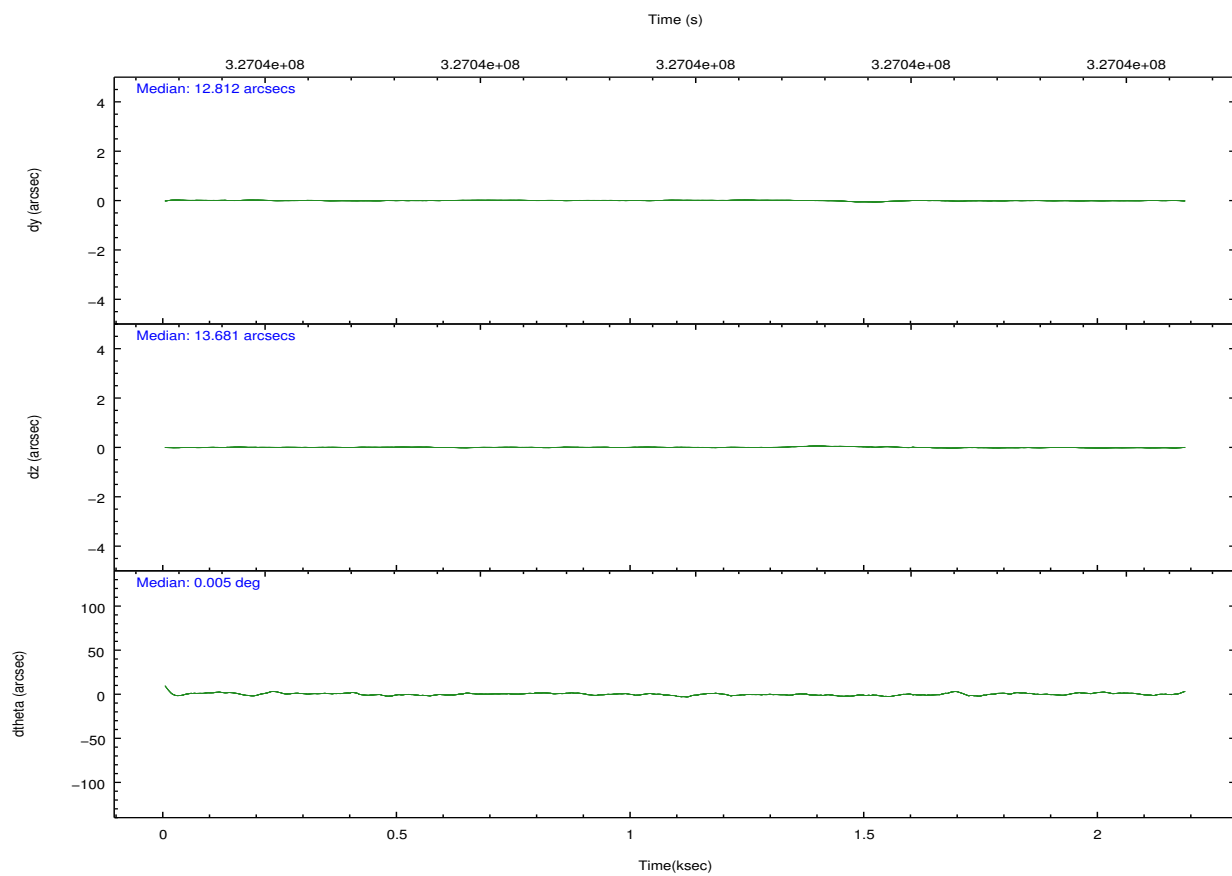
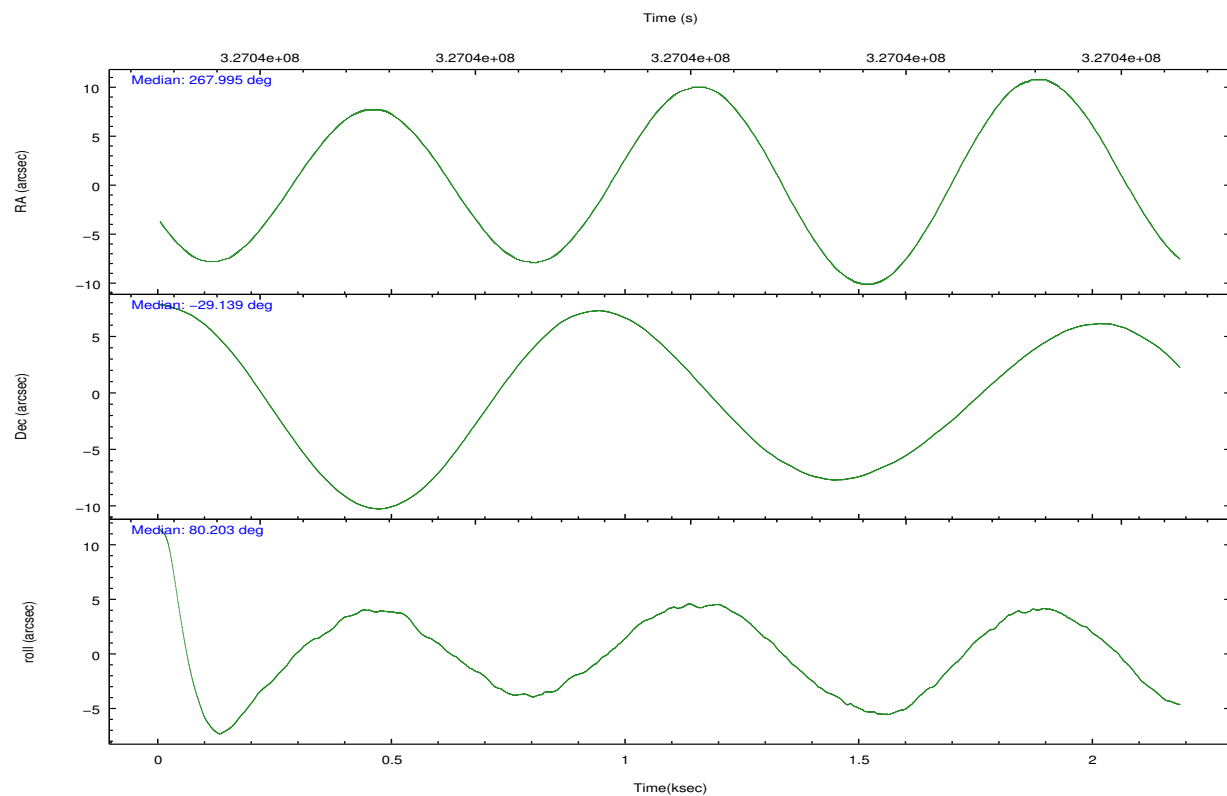
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1160	1302	1284	1125	1764
	5%	6%	5%	5%	6%
grade 1 events	15	15	5	10	32
	0%	0%	0%	0%	0%
grade 2 events	611	629	551	468	3053
	3%	3%	2%	2%	11%
grade 3 events	239	280	250	238	1341
	1%	1%	1%	1%	5%
grade 4 events	224	262	234	240	1293
	1%	1%	1%	1%	4%
grade 5 events	730	778	583	807	2367
	3%	4%	2%	3%	9%
grade 6 events	377	443	439	400	6536
	1%	2%	1%	1%	25%
grade 7 events	16556	15373	18890	17314	9665
	83%	80%	84%	84%	37%

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	268.006308	267.9952207817554	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.164931	-29.13900918935256	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004449	80.20776175984076	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)	327041052.184000	327040676.06211	CCD S5 on	N	N
Observation start date	2008-05-13T04:43:07	2008-05-13T04:37:56	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327043052.184000	327043185.77474	On-chip summing requested	N	N
Observation end date	2008-05-13T05:16:27	2008-05-13T05:19:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



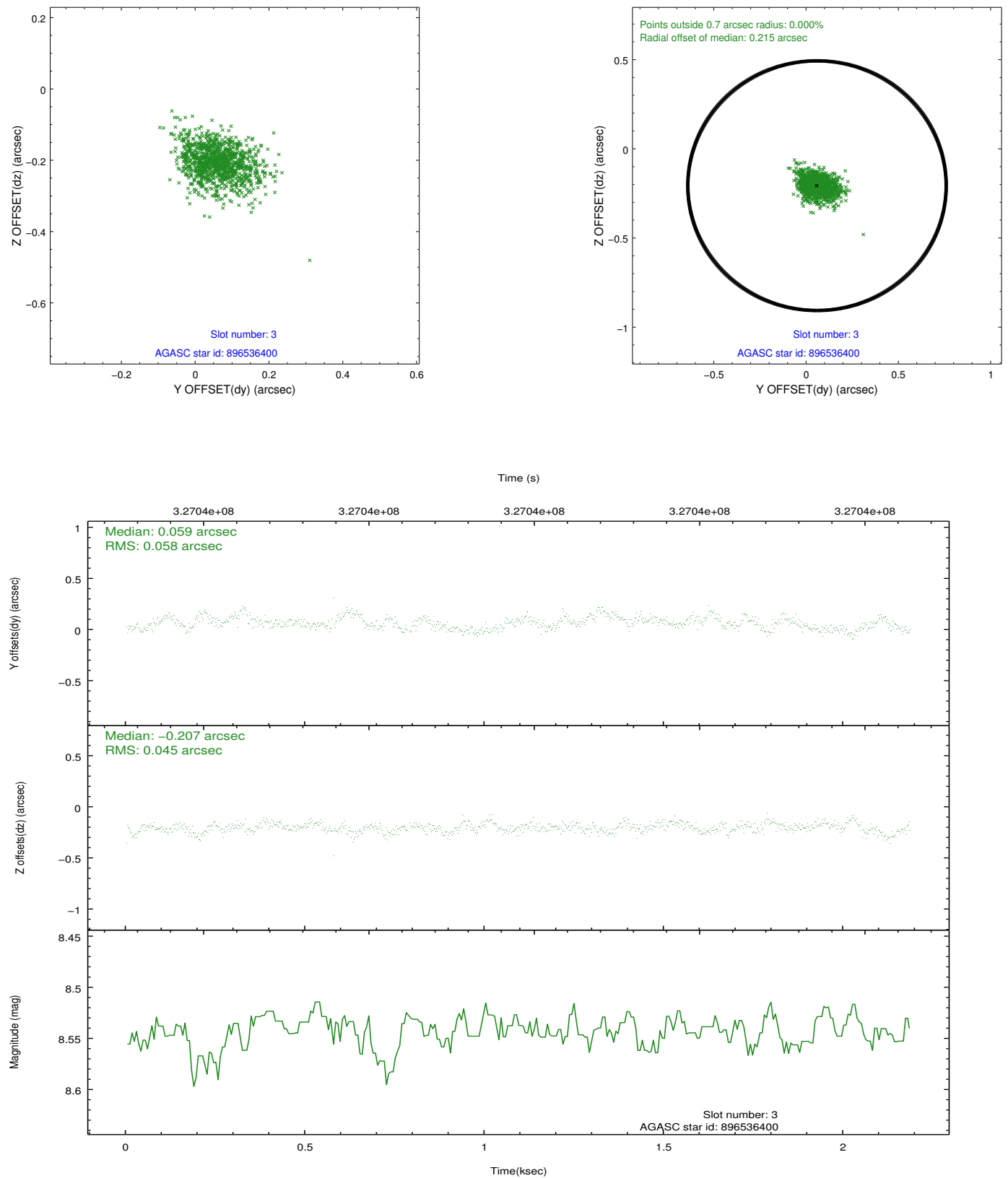


Slot Statistics

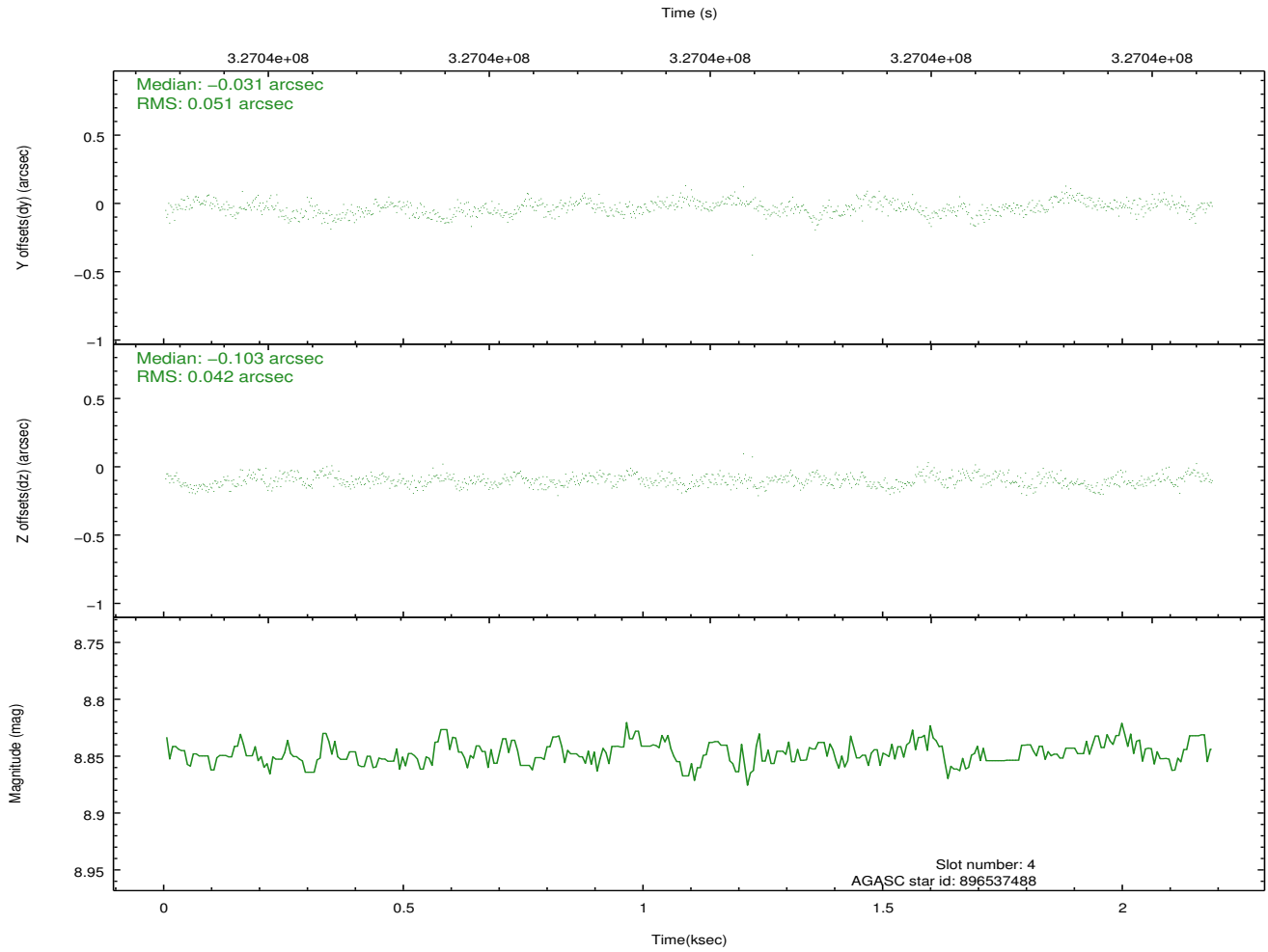
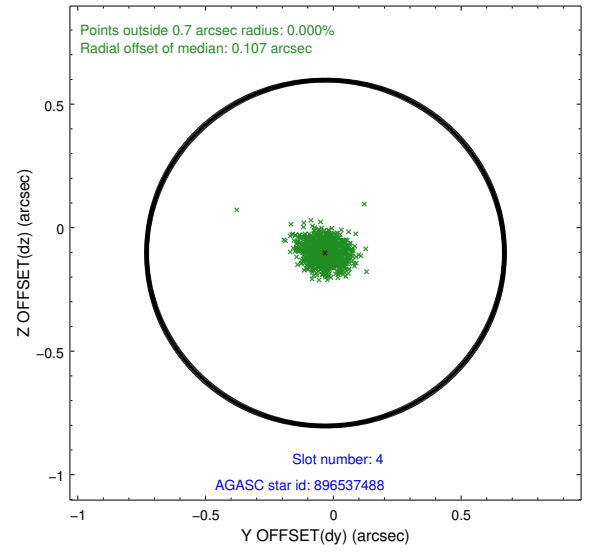
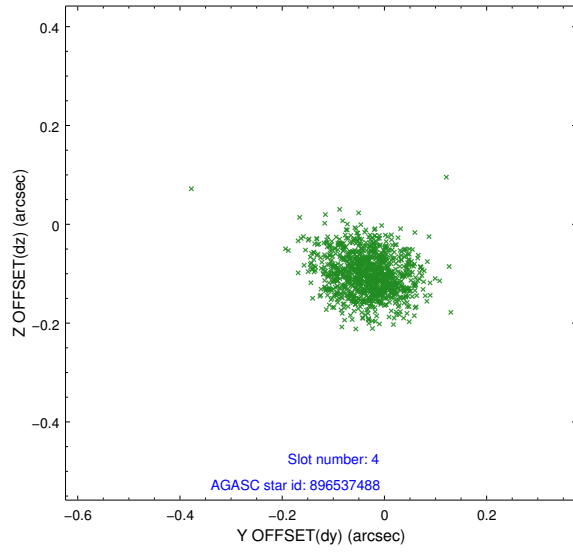
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	533	-0.011	-0.059	0.009	0.015	0.000000	0.000000	926.60	-837.41
1	FID	ACIS-I-3	7.23	533	-0.052	0.066	0.007	0.013	0.000000	0.000000	45.69	-971.98
2	FID	ACIS-I-4	6.96	533	-0.033	0.062	0.008	0.015	0.000000	0.000000	2146.84	1060.63
3	GUIDE	896536400	8.54	1061	0.059	-0.207	0.077	0.128	267.359146	-29.438655	-1328.69	1825.57
4	GUIDE	896537488	8.85	1066	-0.031	-0.103	0.070	0.111	267.422655	-28.504114	2016.03	2232.14
5	GUIDE	896540528	8.26	1066	0.050	-0.165	0.065	0.101	267.368305	-29.314773	-882.95	1878.89
6	GUIDE	898238128	7.72	1066	-0.146	0.230	0.060	0.097	268.450740	-28.688500	1928.84	-1083.19
7	GUIDE	898250872	7.03	1065	0.073	0.237	0.047	0.075	268.026303	-29.632040	-1643.73	-354.72

2.4 Star Slots

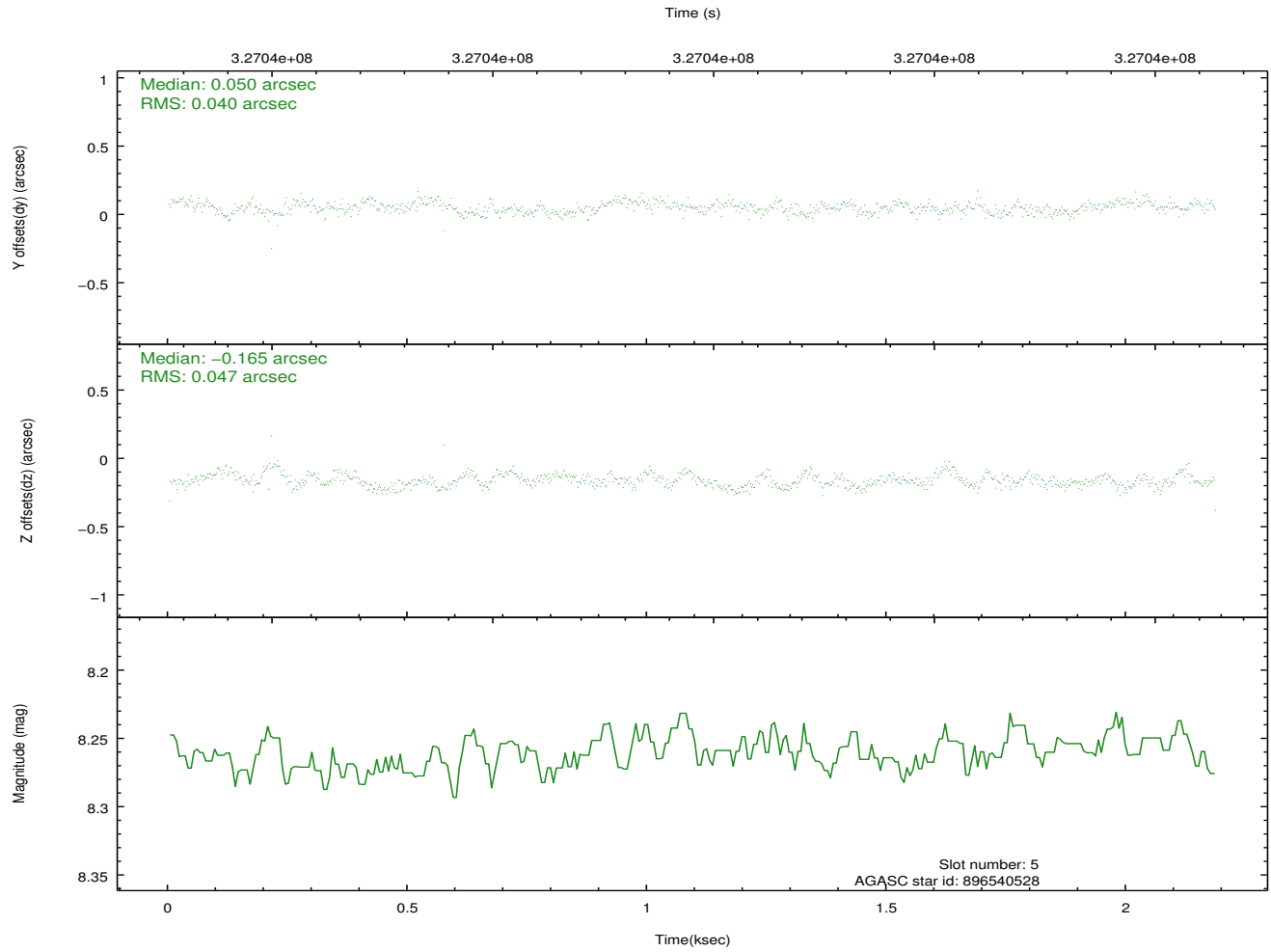
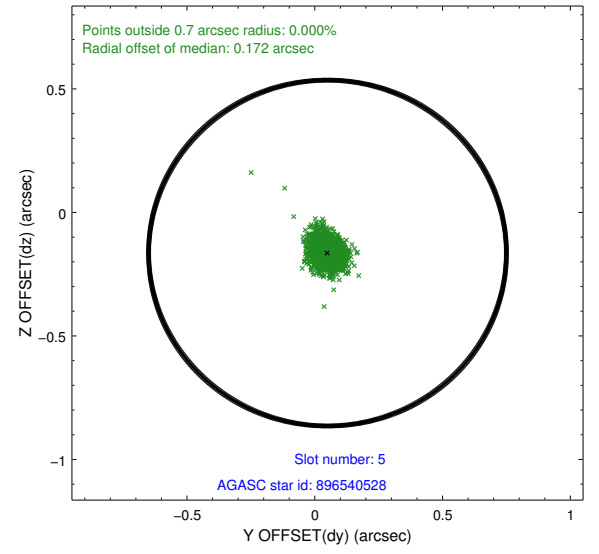
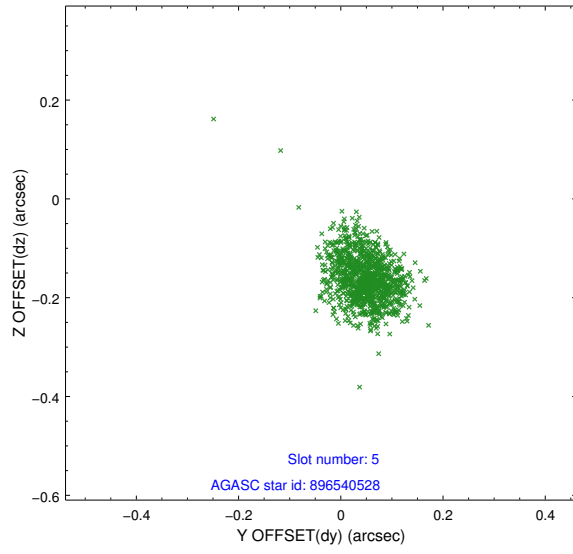
2.4.1 Slot 3



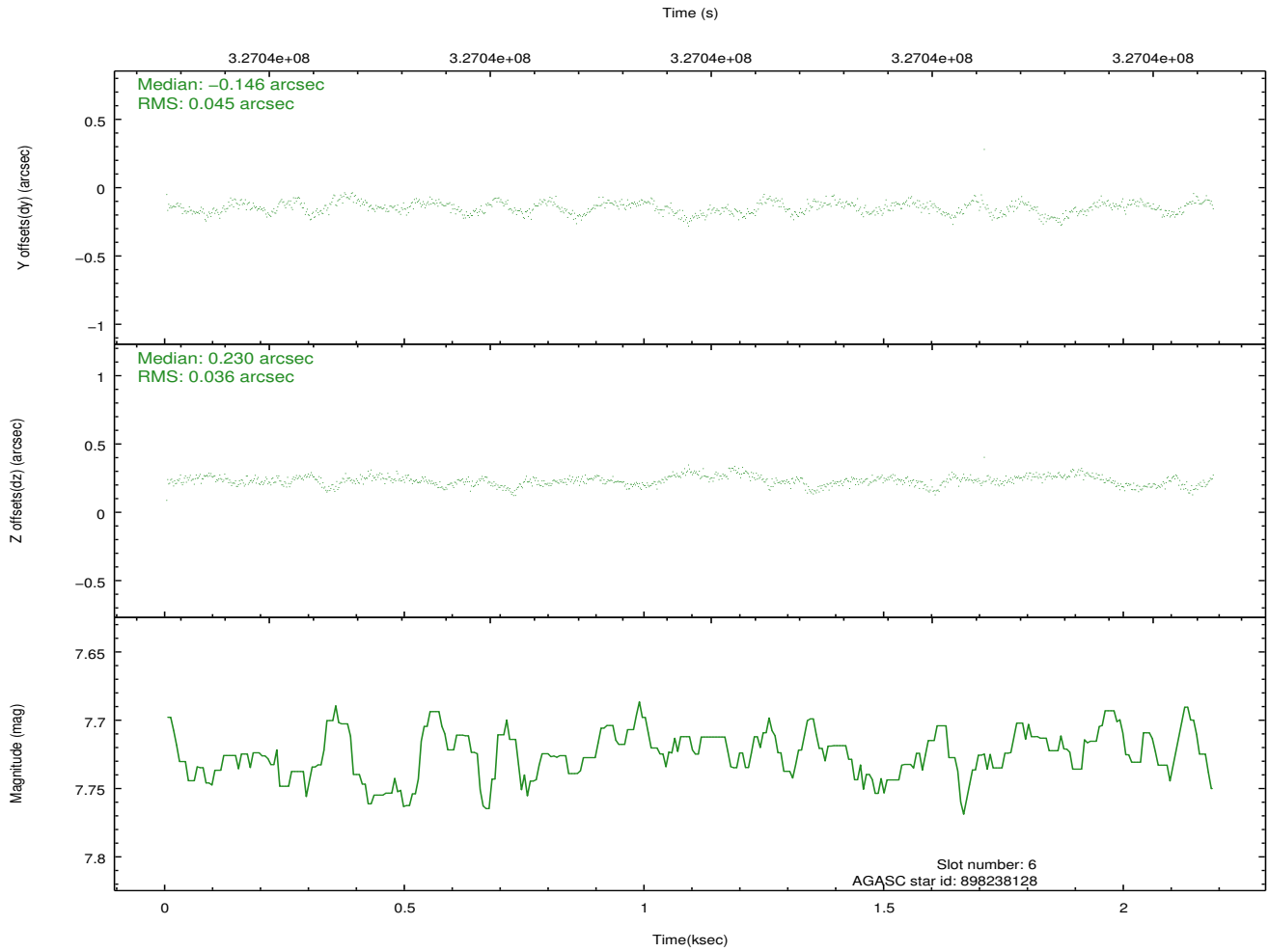
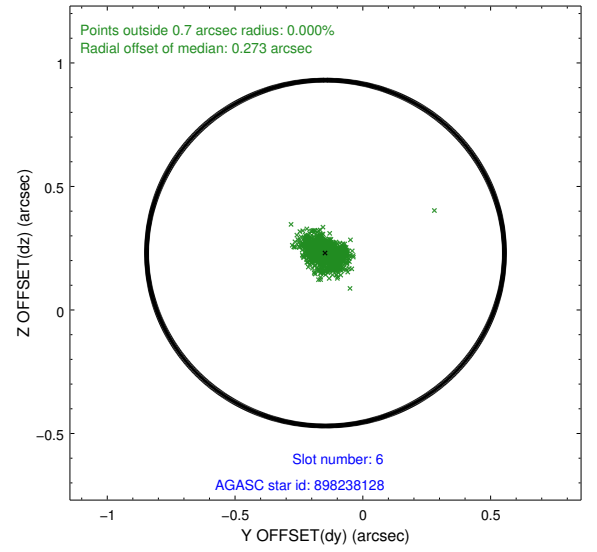
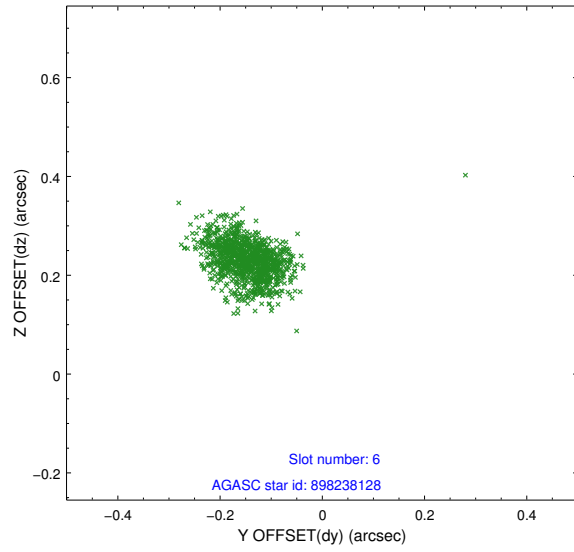
2.4.2 Slot 4



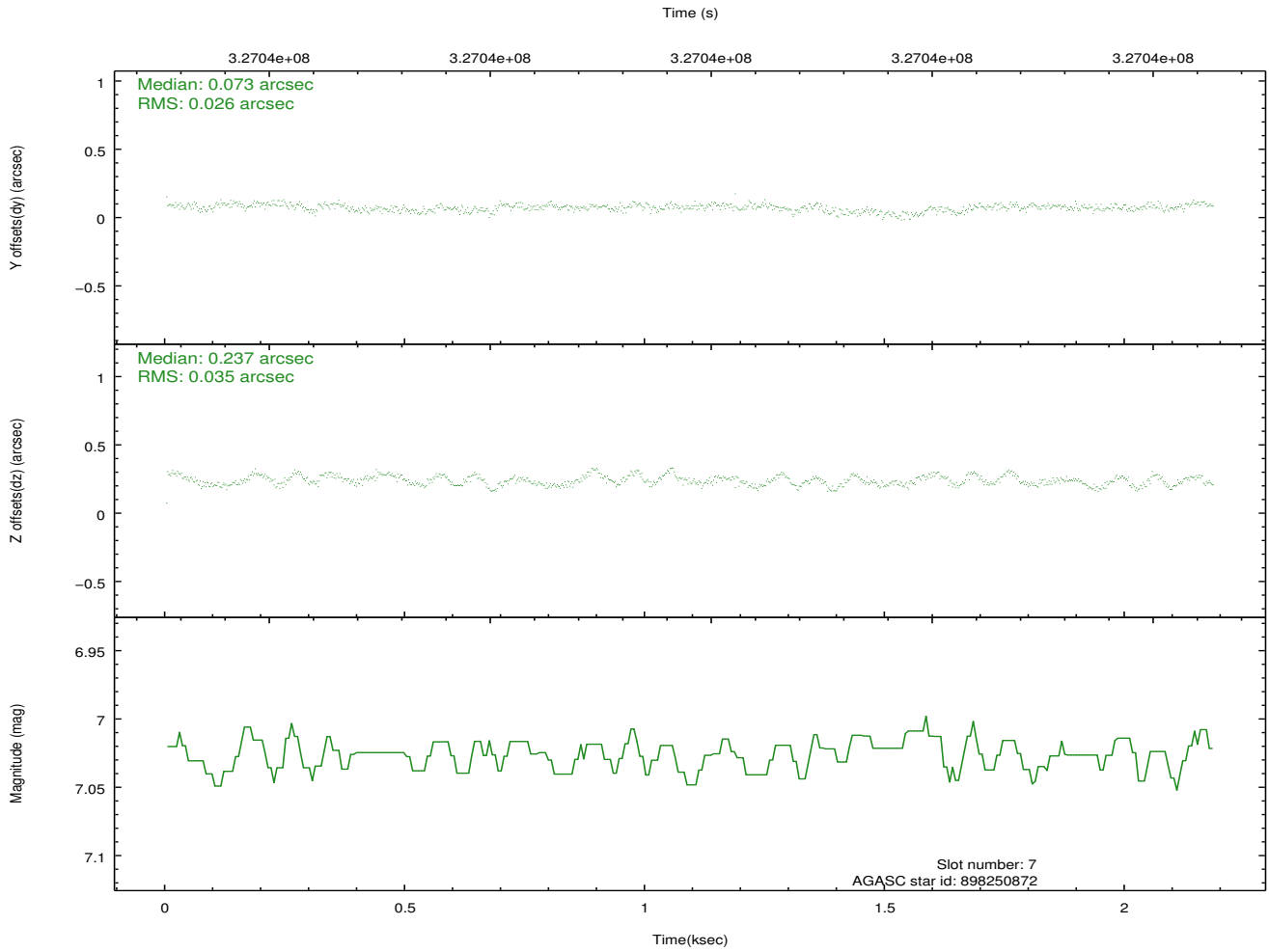
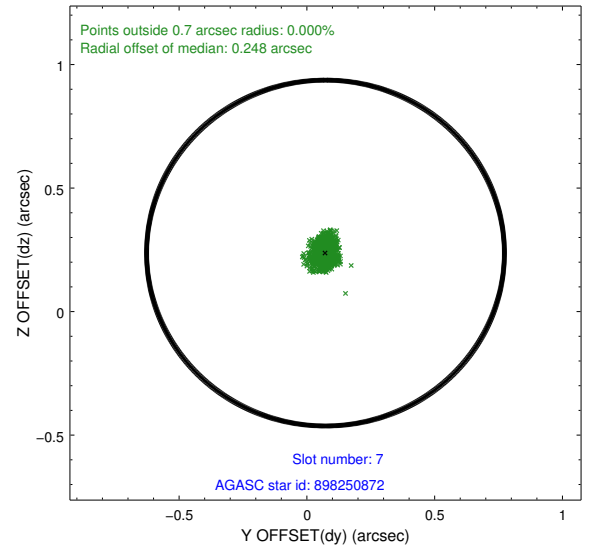
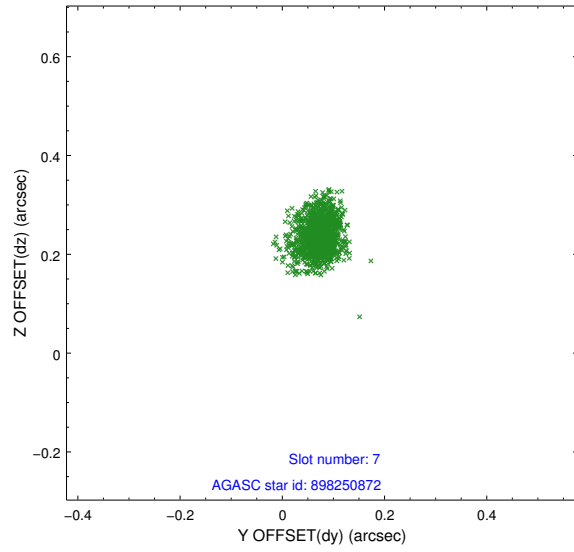
2.4.3 Slot 5



2.4.4 Slot 6

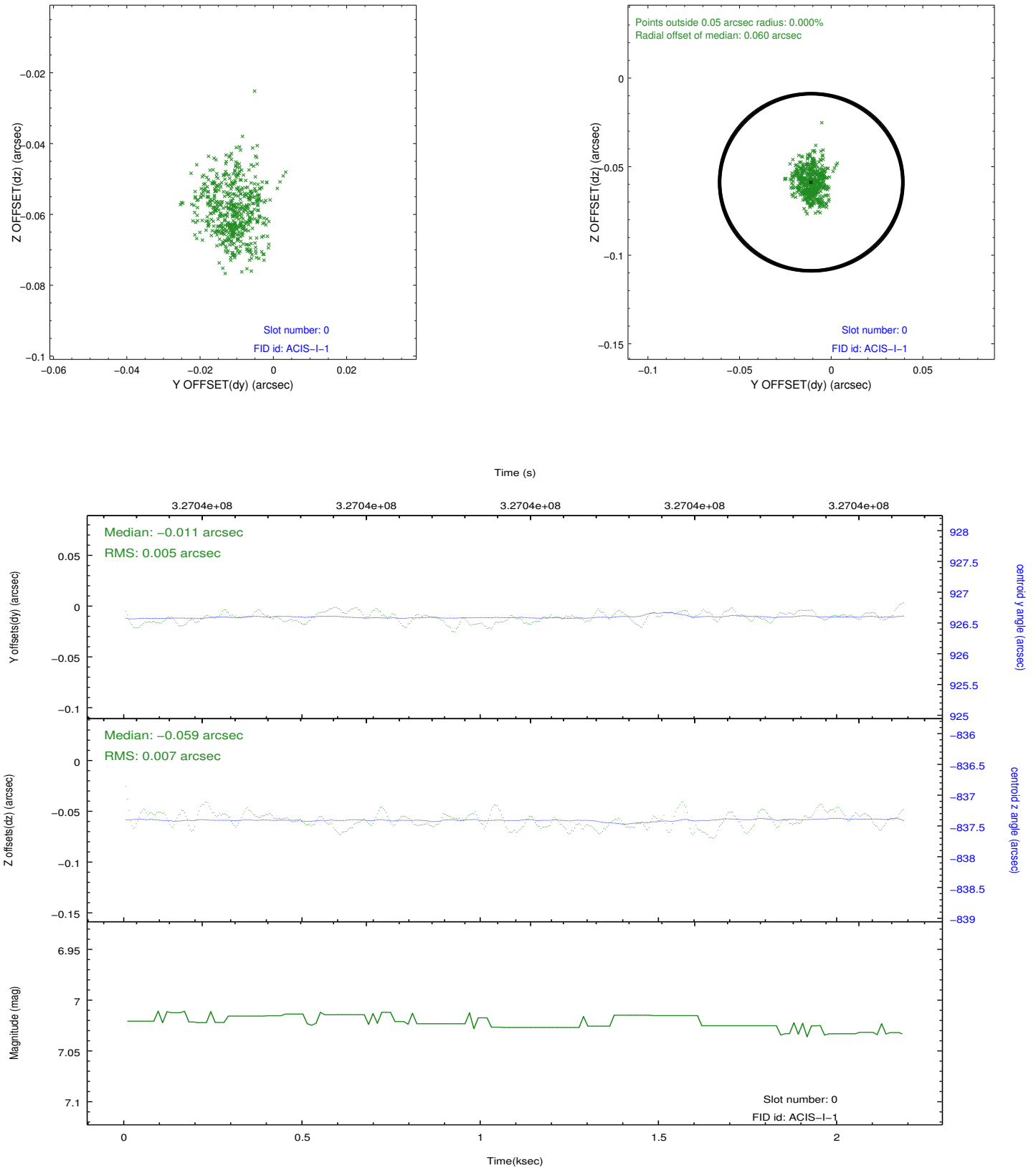


2.4.5 Slot 7

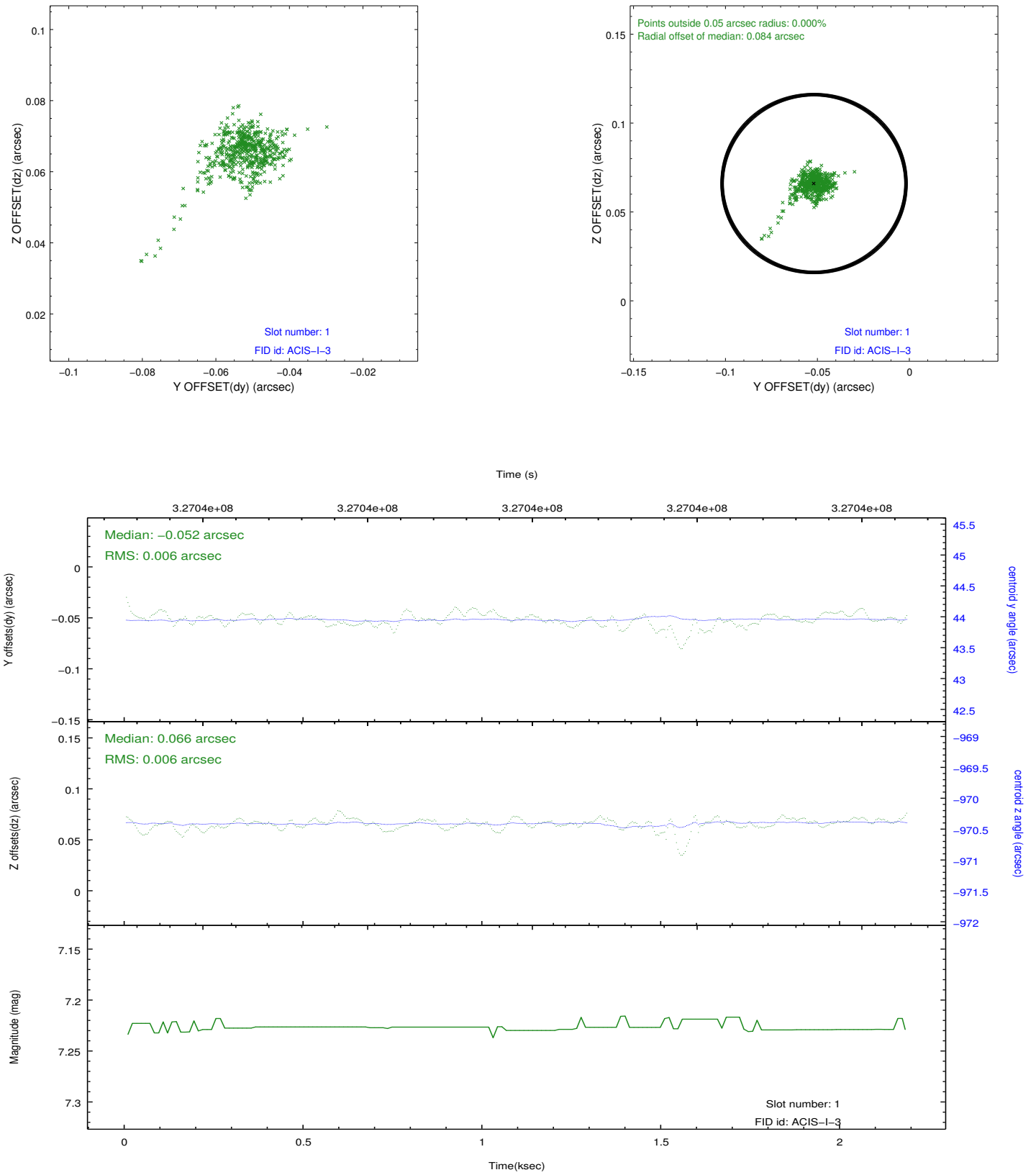


2.5 FID Slots

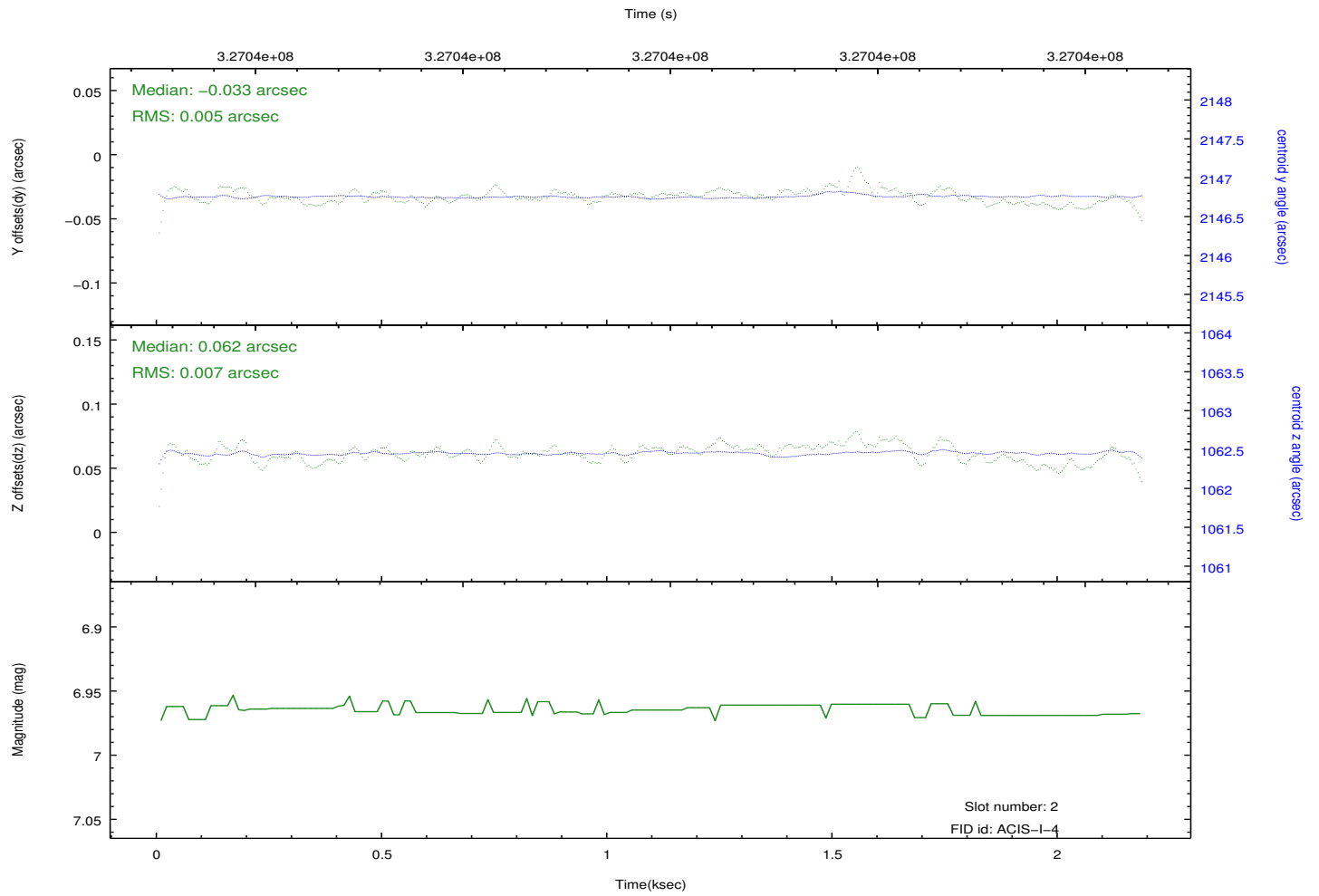
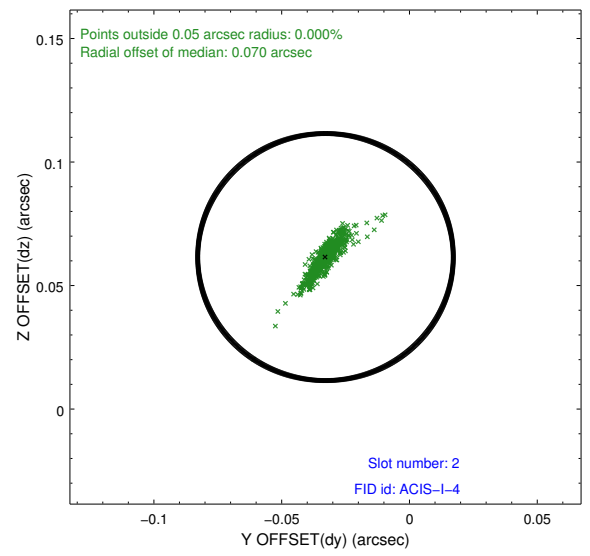
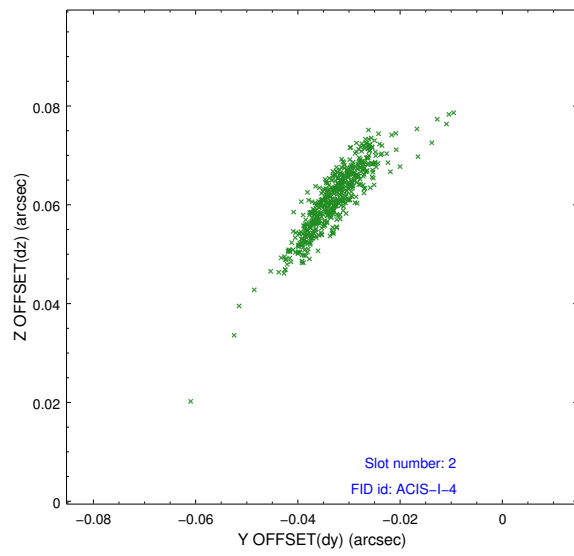
2.5.1 Slot 0



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	2.18240001

A.2 Comments

Joint proposal with NOAO.