

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8752 - L2 Version 2
Chandra X-Ray Center

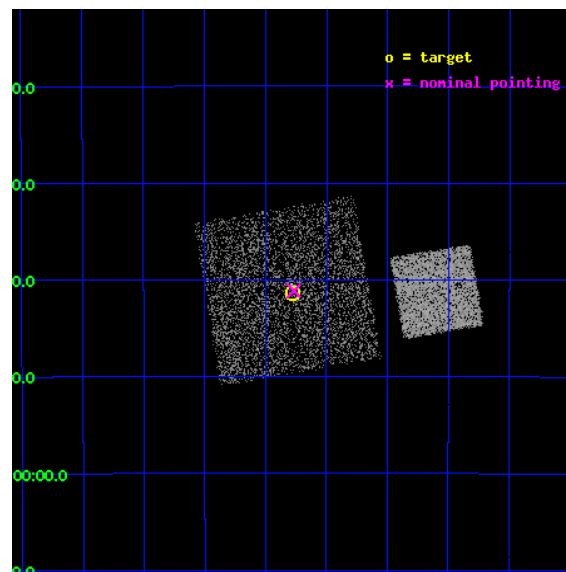
L2 Processing Date : May 14 2012

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

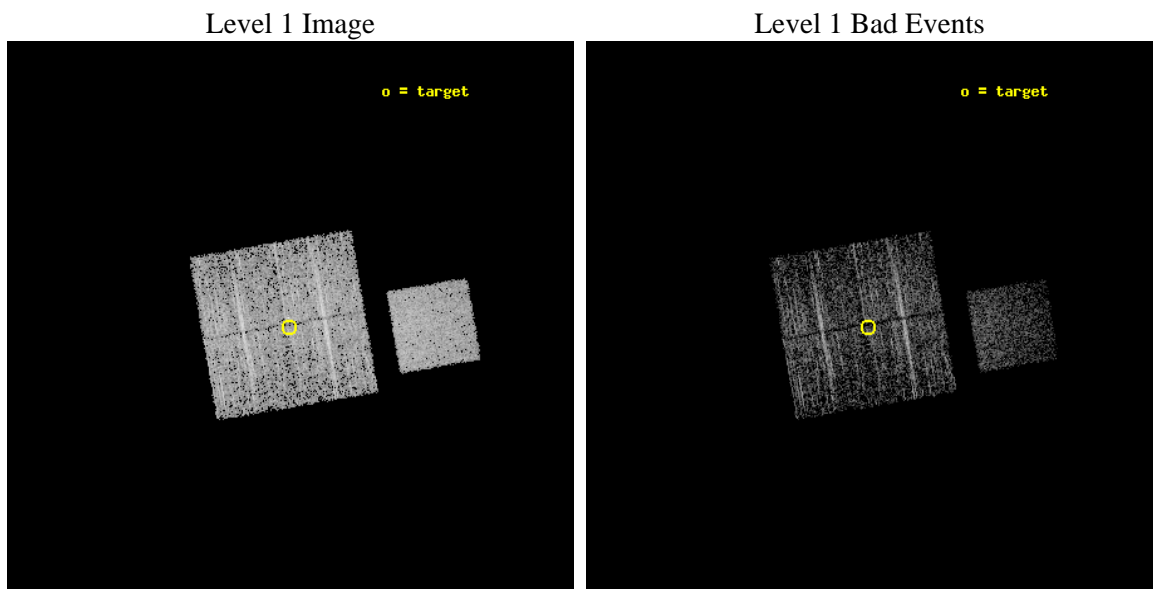
seq_num	400803	Sequence number
obs_id	8752	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.943829	Observer's specified target RA [deg]
dec_targ	-31.690369	Observer's specified target Dec [deg]
ra_nom	265.94185657303	Nominal RA [deg]
dec_nom	-31.685666280451	Nominal Dec [deg]
roll_nom	80.20747167536	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2160.7000166178	Sum of GTIs [s]
livetime	2132.4688802165	Livetime [s]
ontime0	2160.7000166178	Sum of GTIs [s]
ontime1	2160.7000166178	Sum of GTIs [s]
ontime2	2160.7000166178	Sum of GTIs [s]
ontime3	2160.7000166178	Sum of GTIs [s]
ontime7	2160.7000166178	Sum of GTIs [s]
l2events	14581	Number of level 2 events



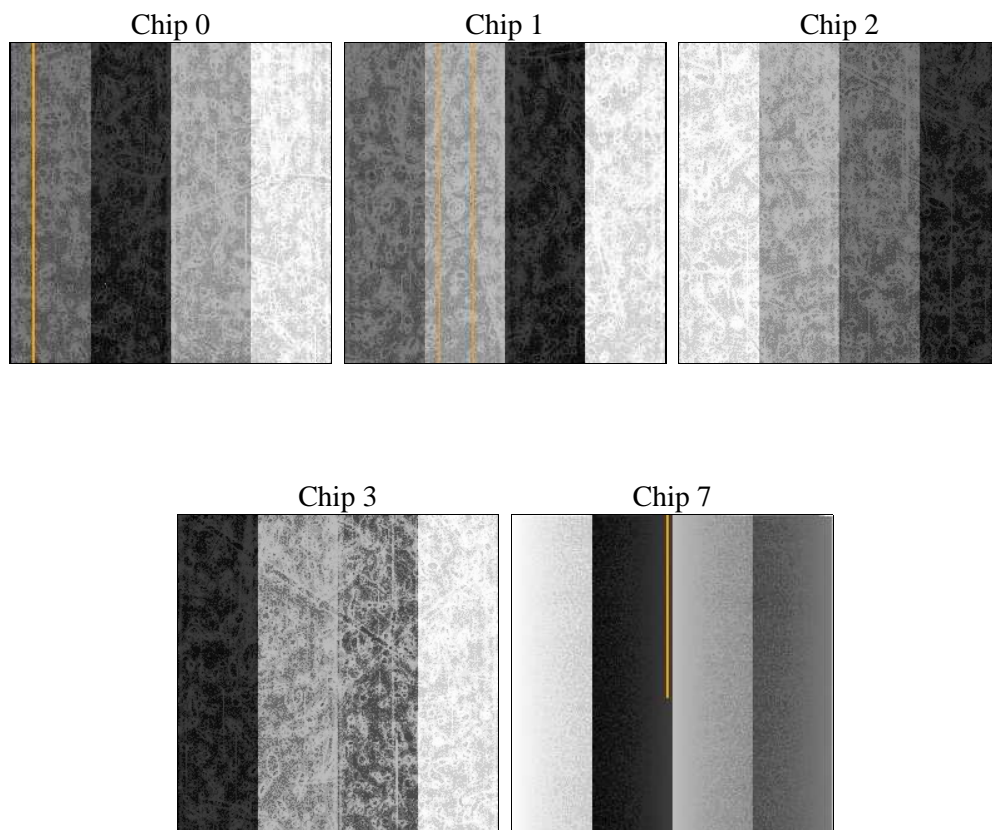
2 OBI

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	2160.7000166178	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2160.7000166178	Sum of GTIs [s]
date	2012-05-14T23:37:23	Date and time of file creation	ontime1	2160.7000166178	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2160.7000166178	Sum of GTIs [s]
			ontime3	2160.7000166178	Sum of GTIs [s]
			ontime7	2160.7000166178	Sum of GTIs [s]
			l1events	117665	Number of level 1 events

2.1.4 Events

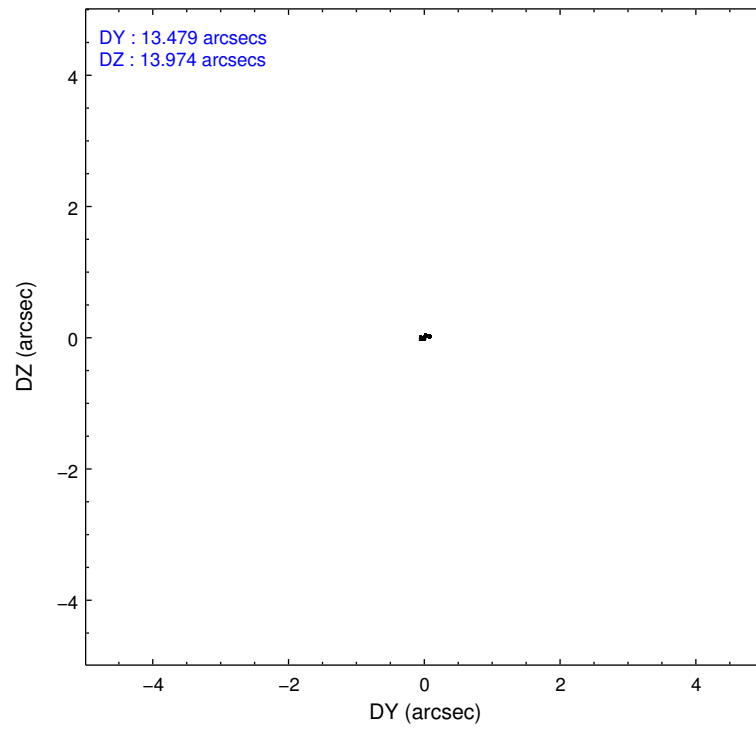
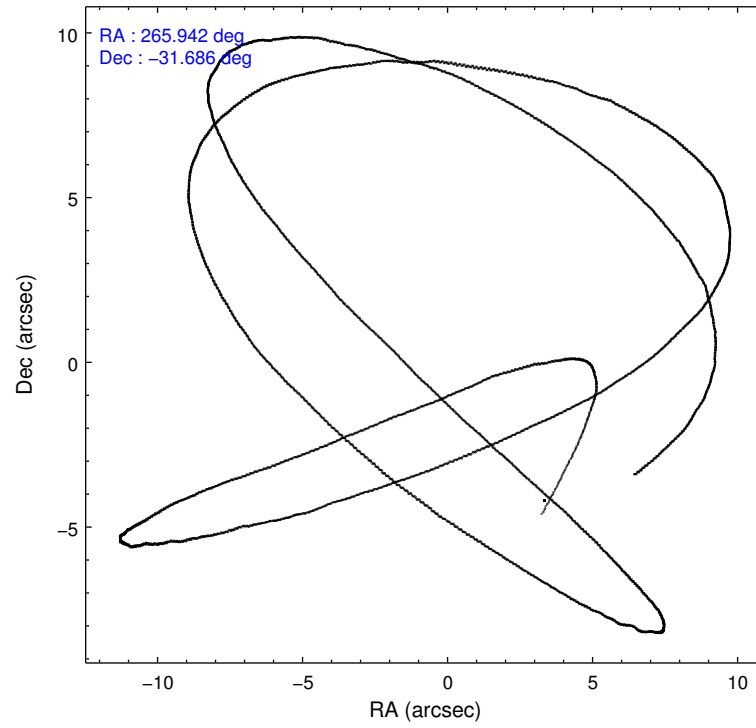
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	21739	22622	24104	23033	26167
rejected events	19897	20516	22190	21279	17632
rejected %	91%	90%	92%	92%	67%

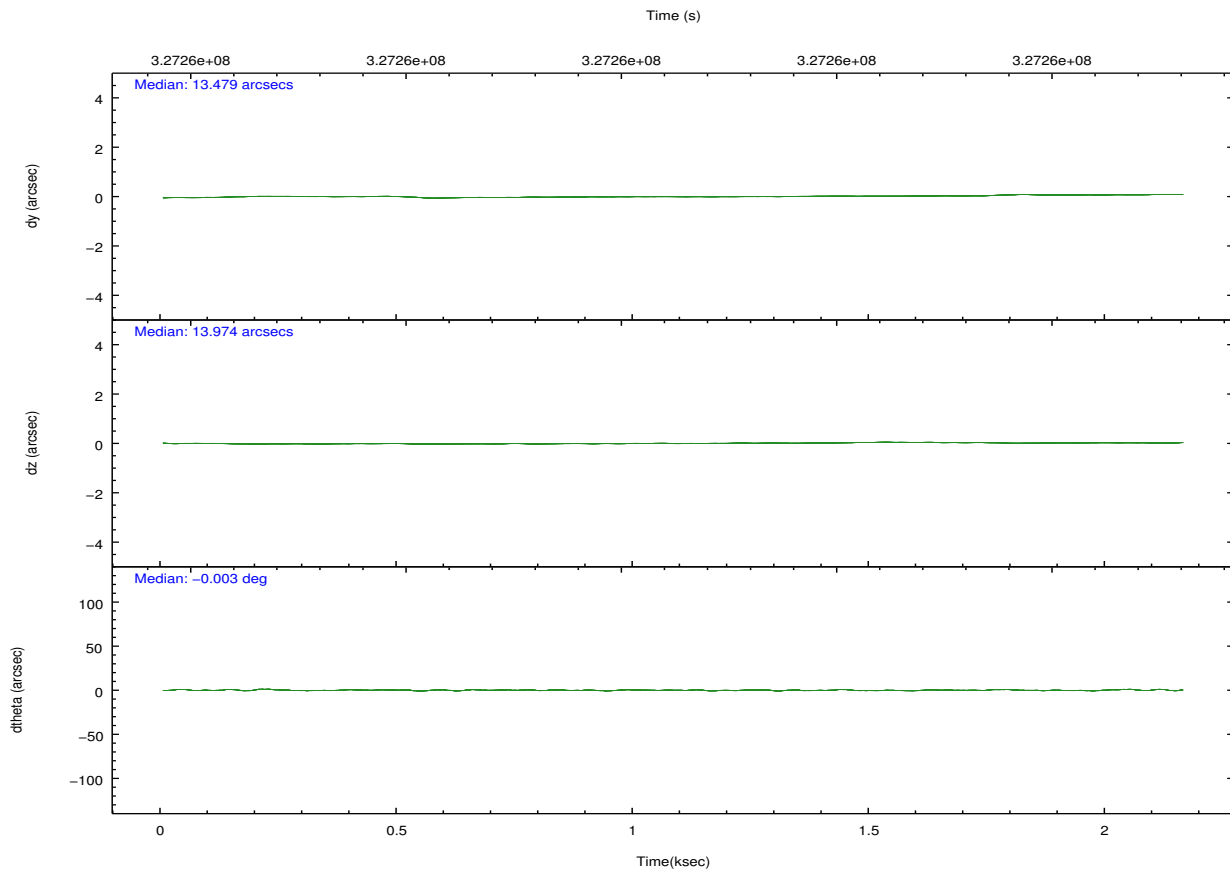
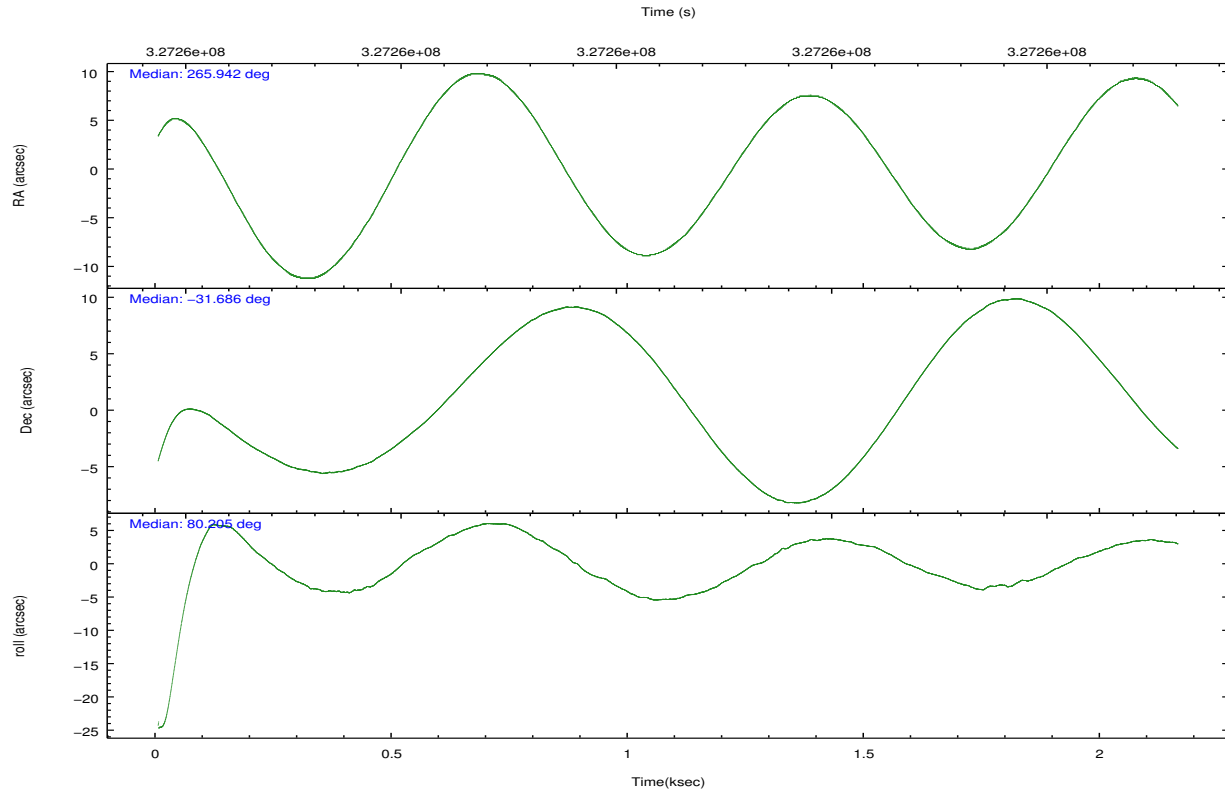
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1113	1272	1062	960	1107
	5%	5%	4%	4%	4%
grade 1 events	17	17	17	17	37
	0%	0%	0%	0%	0%
grade 2 events	650	694	598	532	2413
	2%	3%	2%	2%	9%
grade 3 events	287	324	278	266	1062
	1%	1%	1%	1%	4%
grade 4 events	266	288	238	241	1113
	1%	1%	0%	1%	4%
grade 5 events	786	897	734	998	2782
	3%	3%	3%	4%	10%
grade 6 events	460	561	462	486	6158
	2%	2%	1%	2%	23%
grade 7 events	18160	18569	20715	19533	11495
	83%	82%	85%	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	265.953202	265.9418565730264	CCD I2 on	Y	Y
[deg] Pointing Dec	-31.711409	-31.68566628045074	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004931	80.20747167535966	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)	327260199.184000	327258884.73525	CCD S5 on	N	N
Observation start date	2008-05-15T17:35:34	2008-05-15T17:14:44	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327262199.184000	327262333.34792	On-chip summing requested	N	N
Observation end date	2008-05-15T18:08:54	2008-05-15T18:12:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



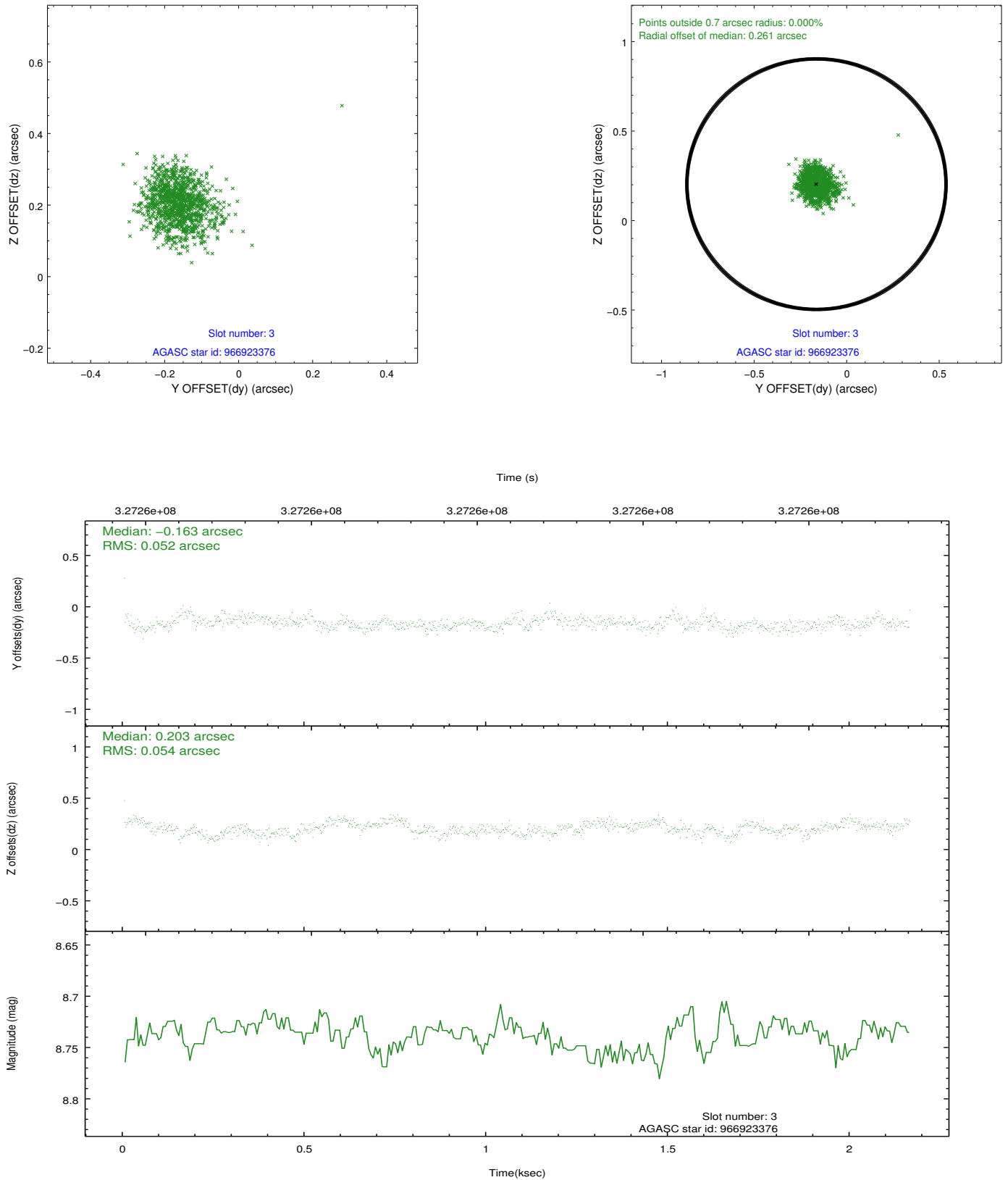


Slot Statistics

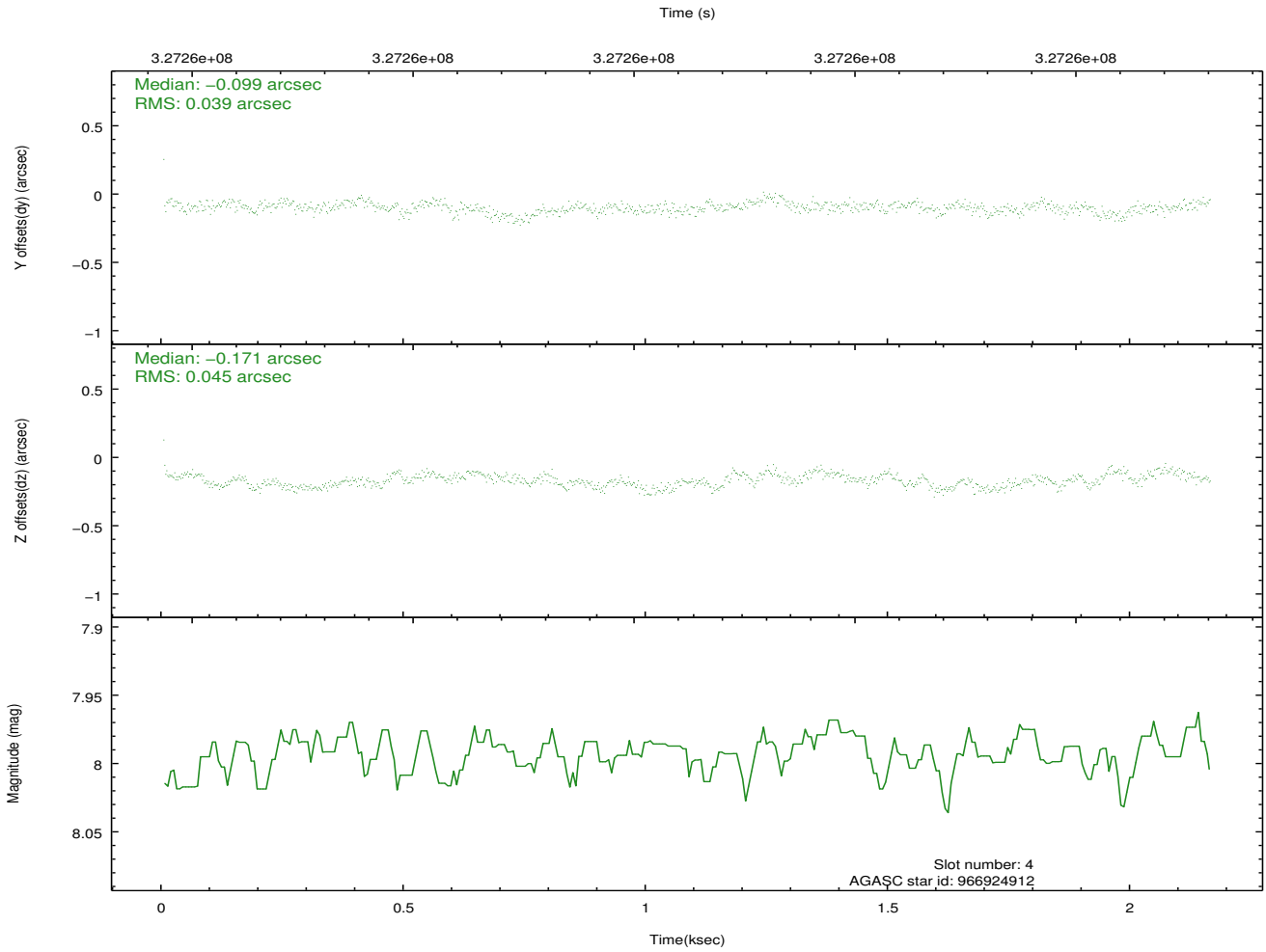
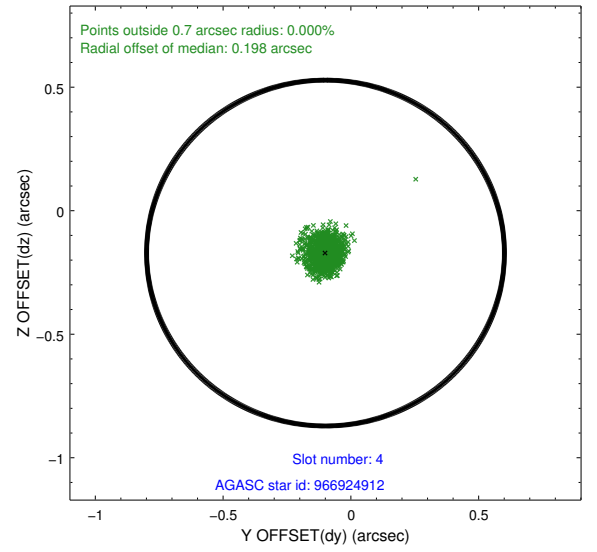
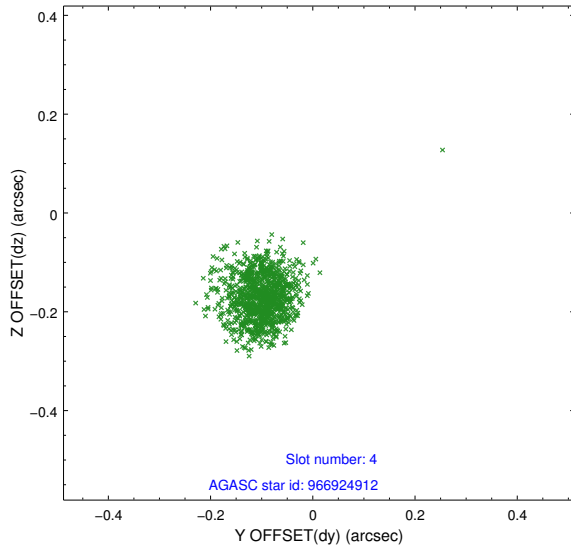
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	527	0.013	0.043	0.006	0.009	0.000000	0.000000	926.04	-837.49
1	FID	ACIS-I-5	7.02	527	-0.187	0.033	0.005	0.010	0.000000	0.000000	-1820.62	1058.43
2	FID	ACIS-I-6	7.03	527	0.083	-0.005	0.006	0.010	0.000000	0.000000	388.33	1706.35
3	GUIDE	966923376	8.74	1055	-0.163	0.203	0.079	0.123	266.333558	-31.111316	2329.08	-779.69
4	GUIDE	966924912	7.99	1055	-0.099	-0.171	0.061	0.101	266.020014	-31.275150	1584.59	69.27
5	GUIDE	967316472	8.30	1054	0.014	-0.082	0.081	0.135	265.408096	-32.112173	-1711.85	1385.72
6	GUIDE	967317712	9.18	1054	0.107	-0.139	0.146	0.228	265.209611	-32.224443	-2221.09	1909.45
7	GUIDE	967442688	8.37	1054	0.142	0.193	0.056	0.088	266.096113	-32.373763	-2274.92	-840.00

2.4 Star Slots

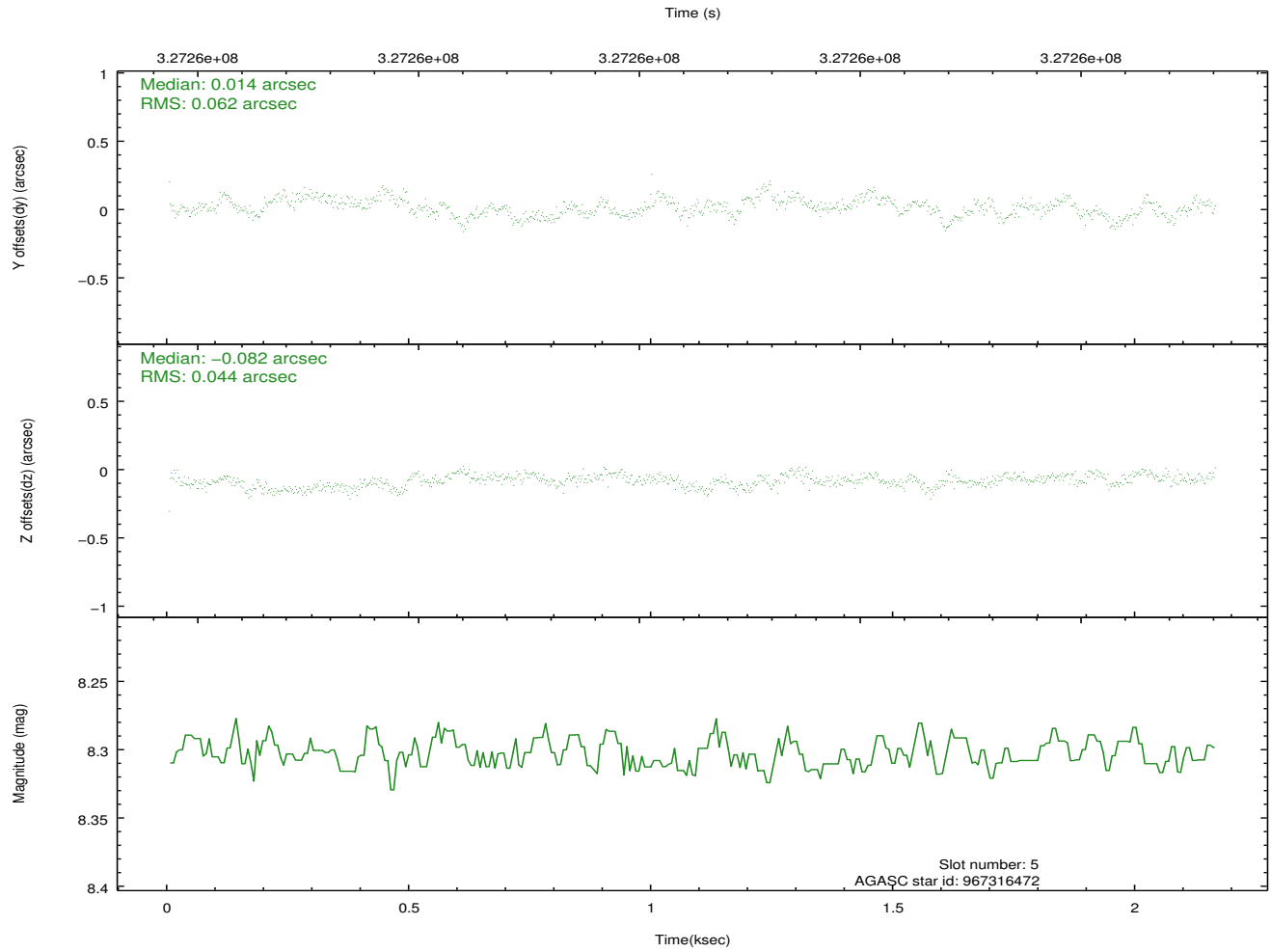
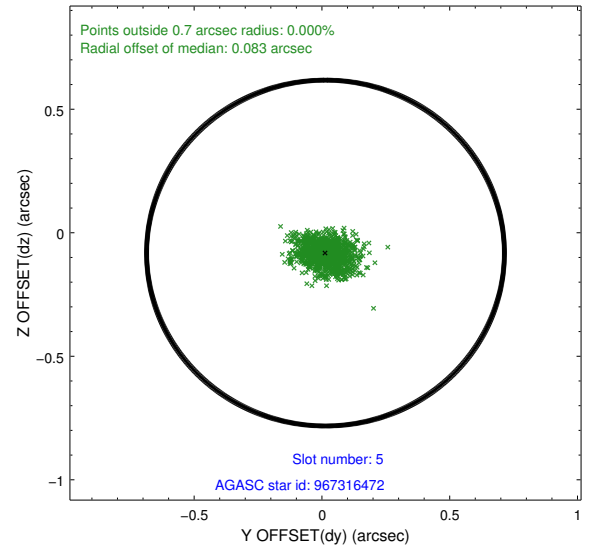
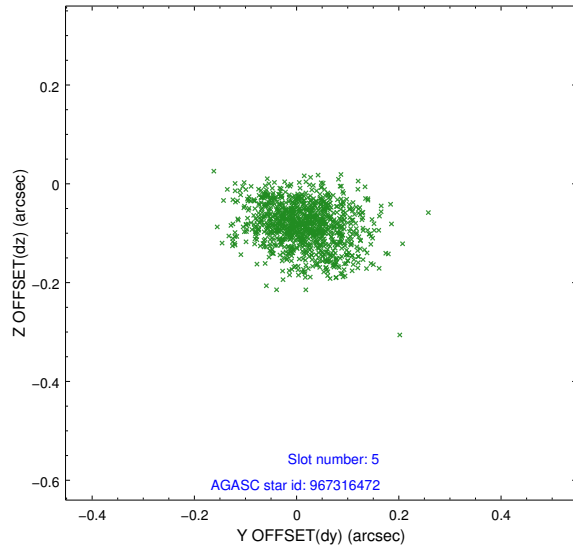
2.4.1 Slot 3



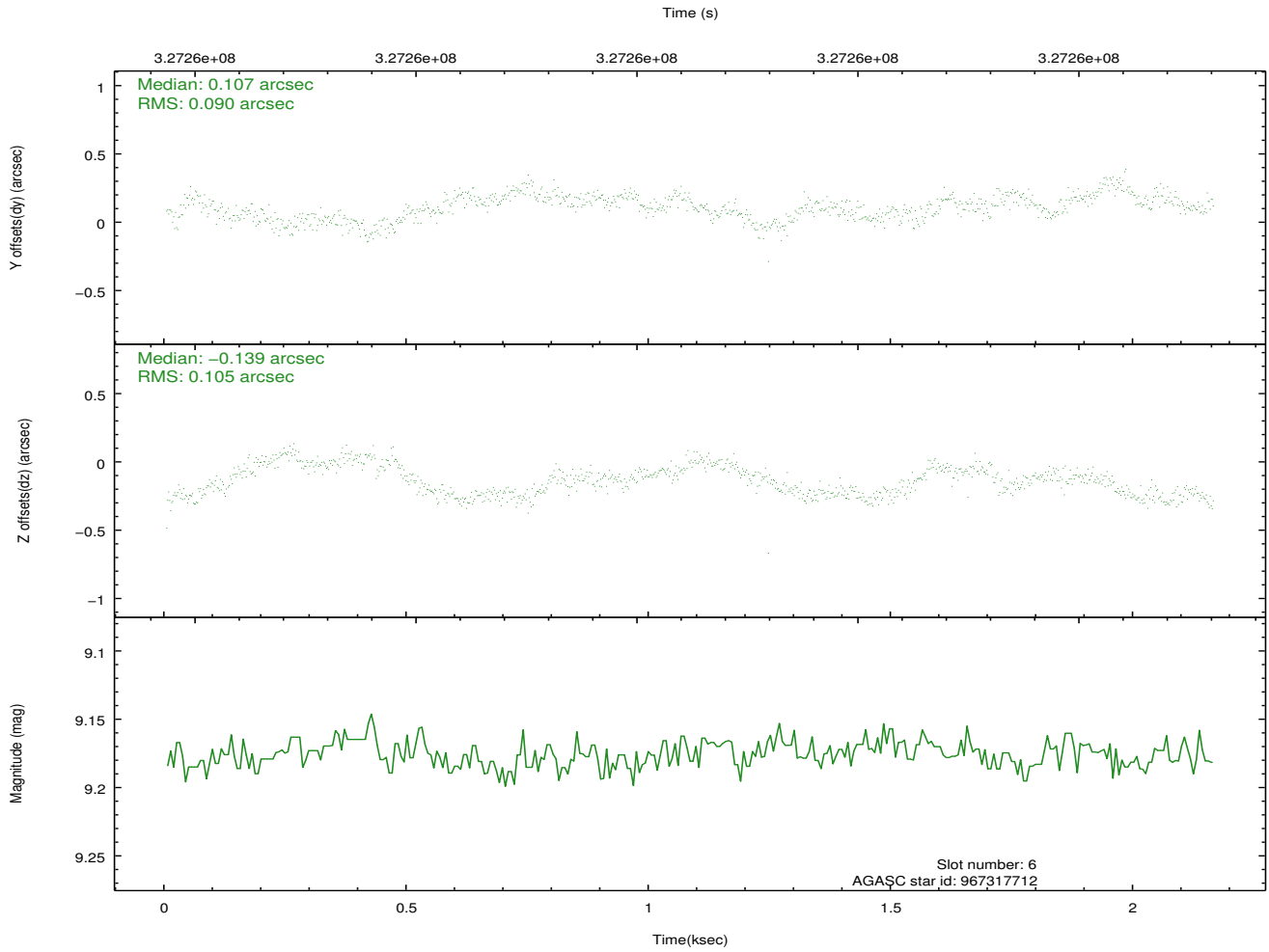
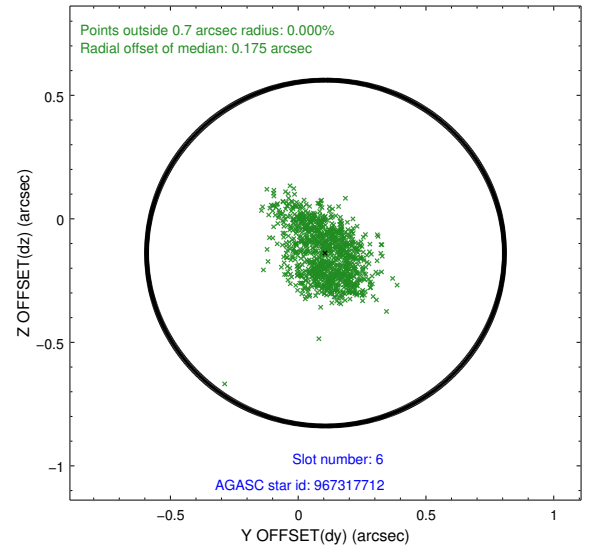
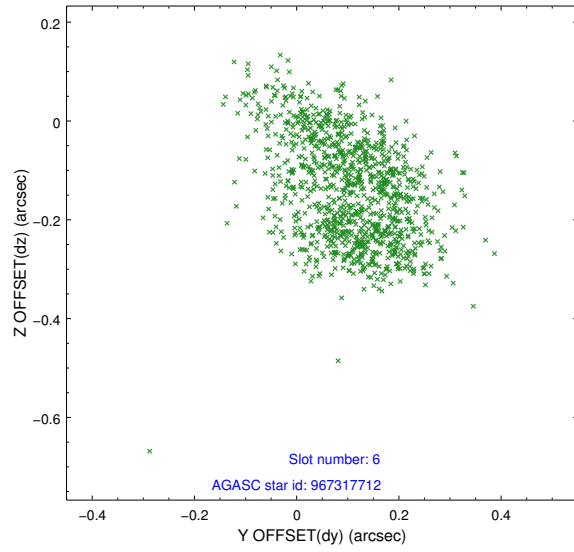
2.4.2 Slot 4



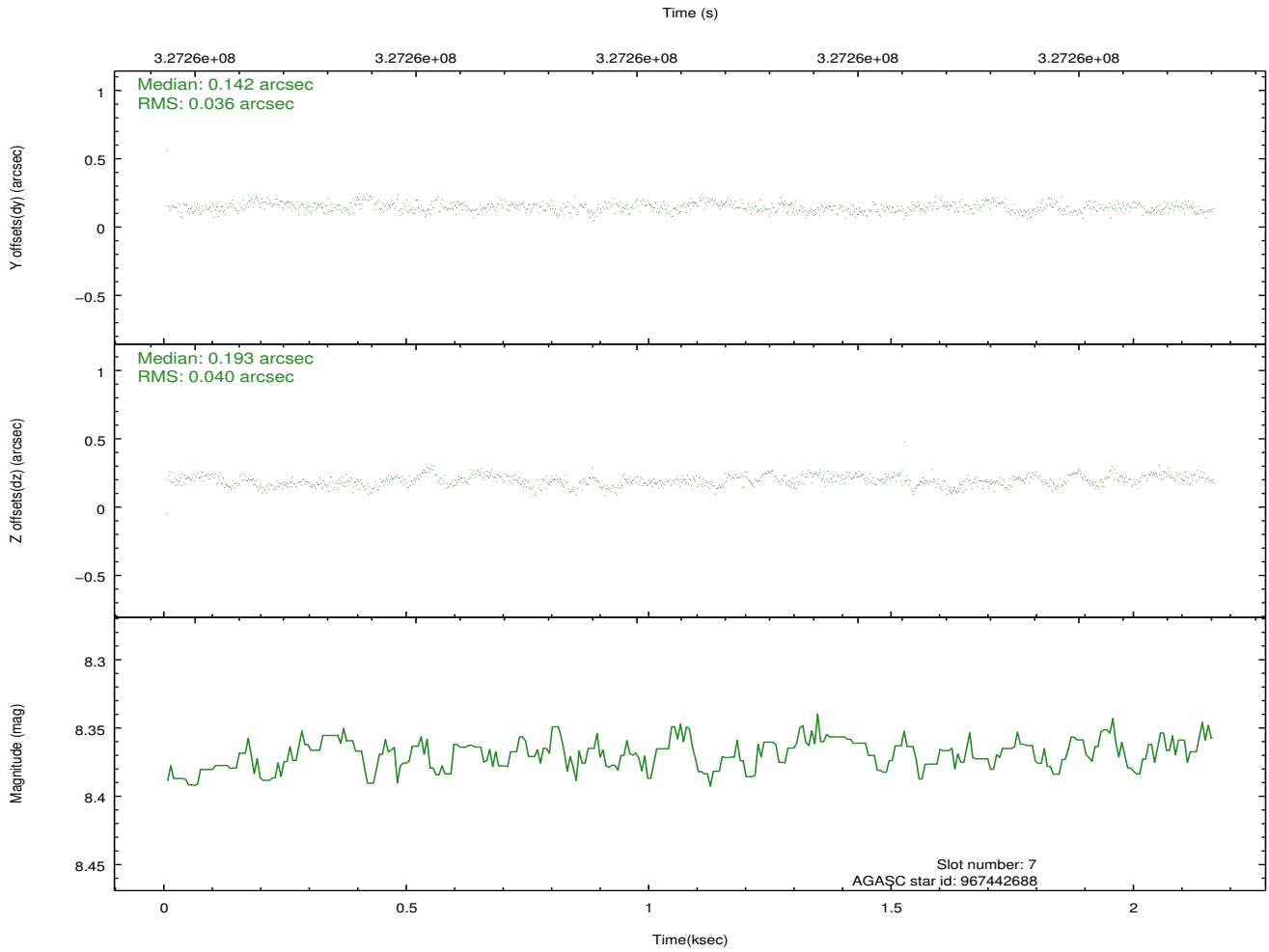
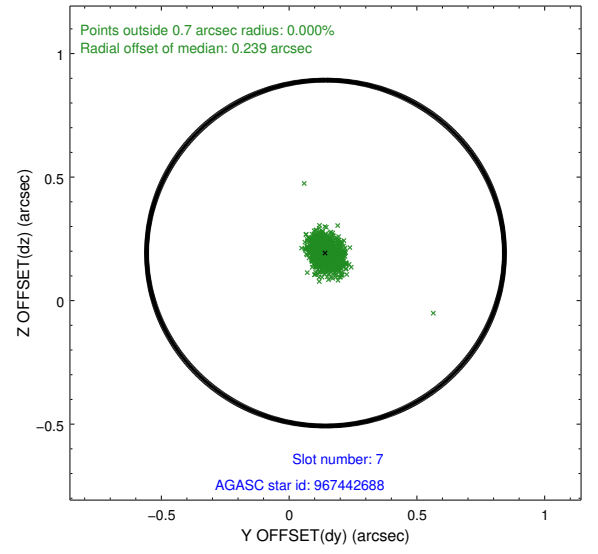
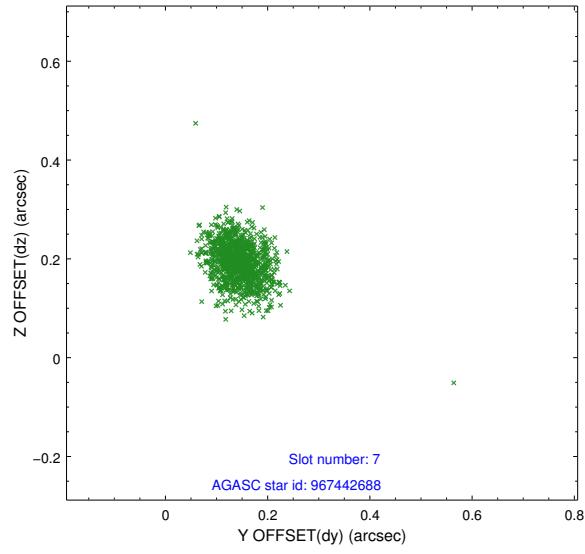
2.4.3 Slot 5



2.4.4 Slot 6

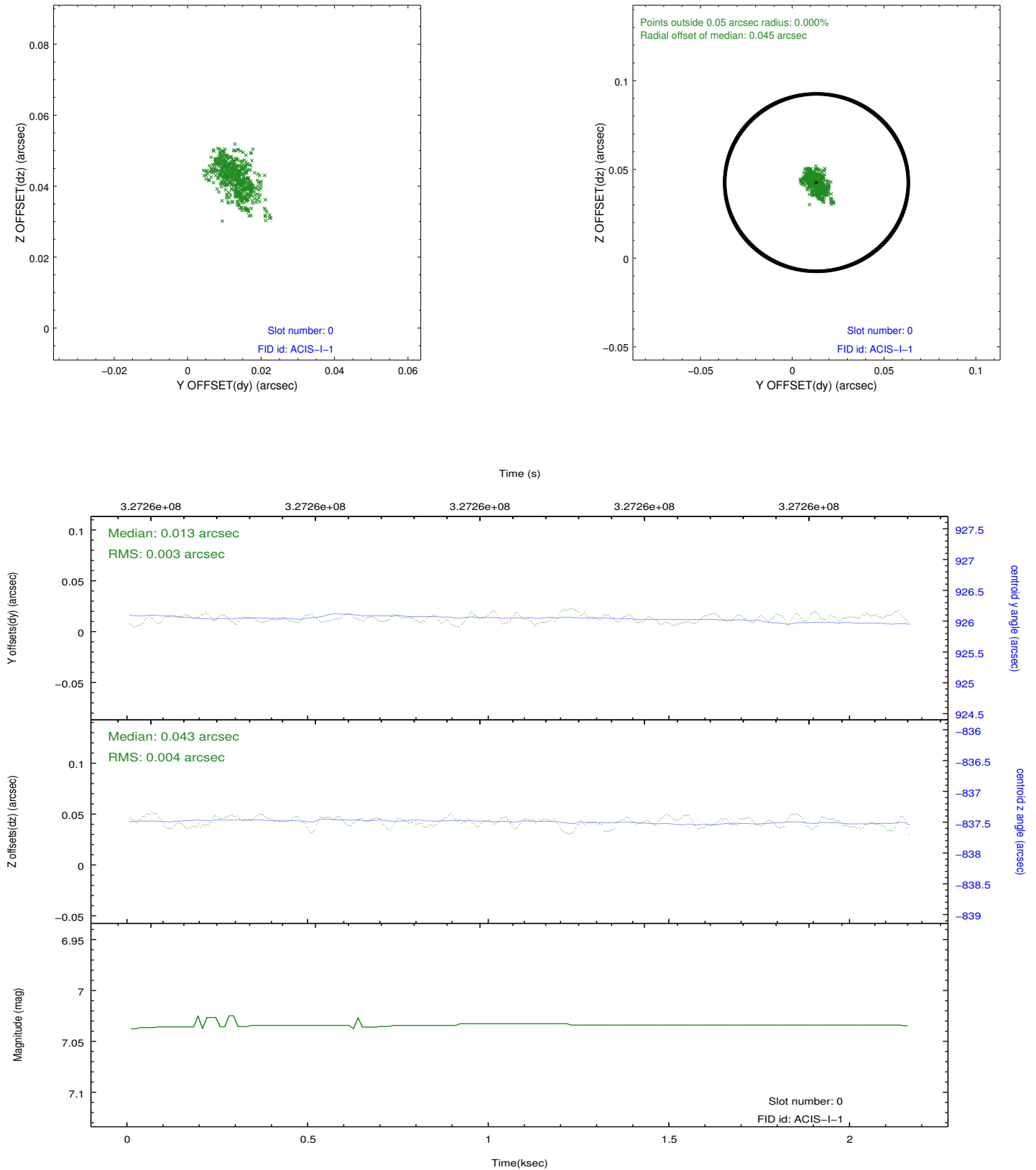


2.4.5 Slot 7

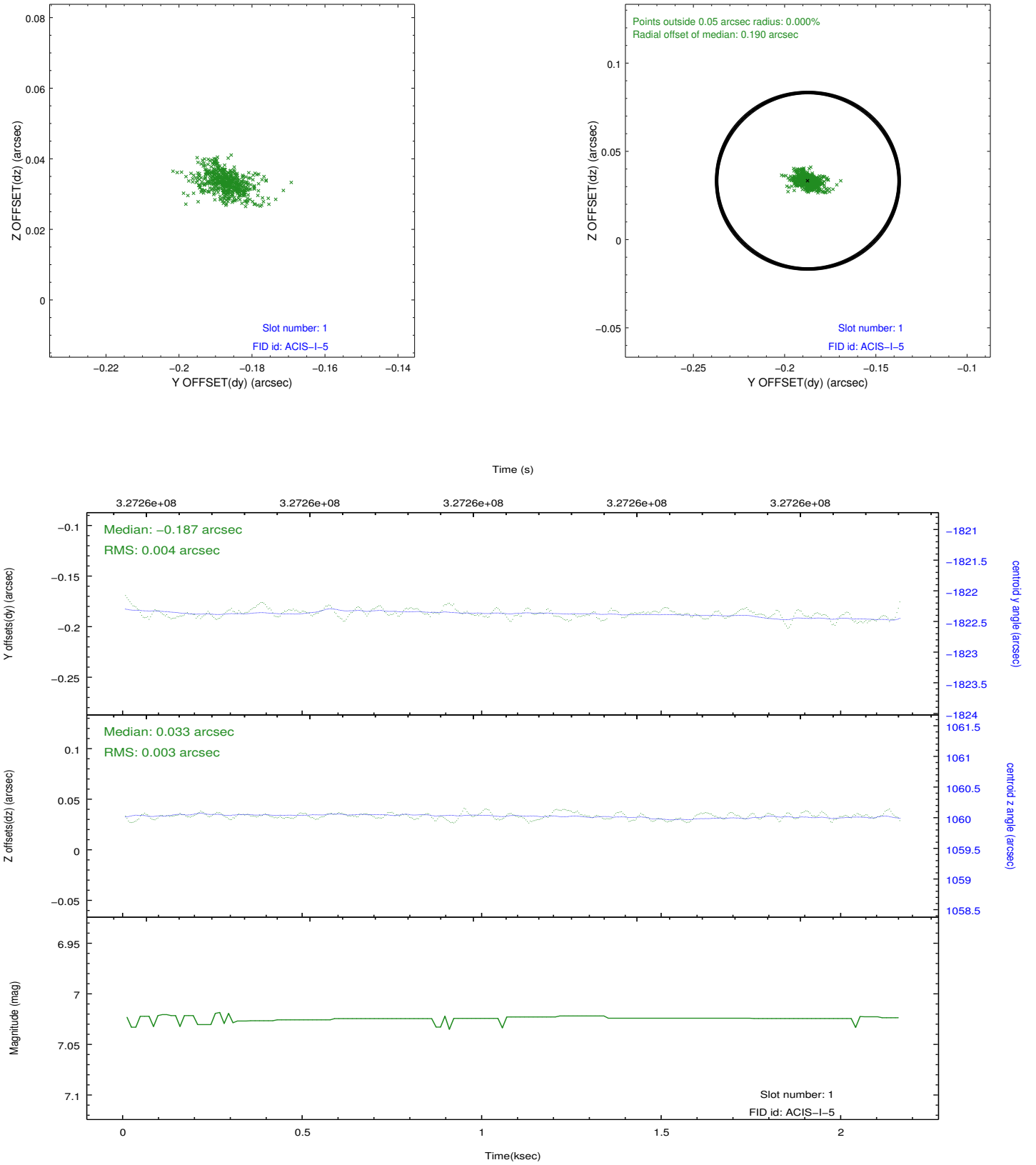


2.5 FID Slots

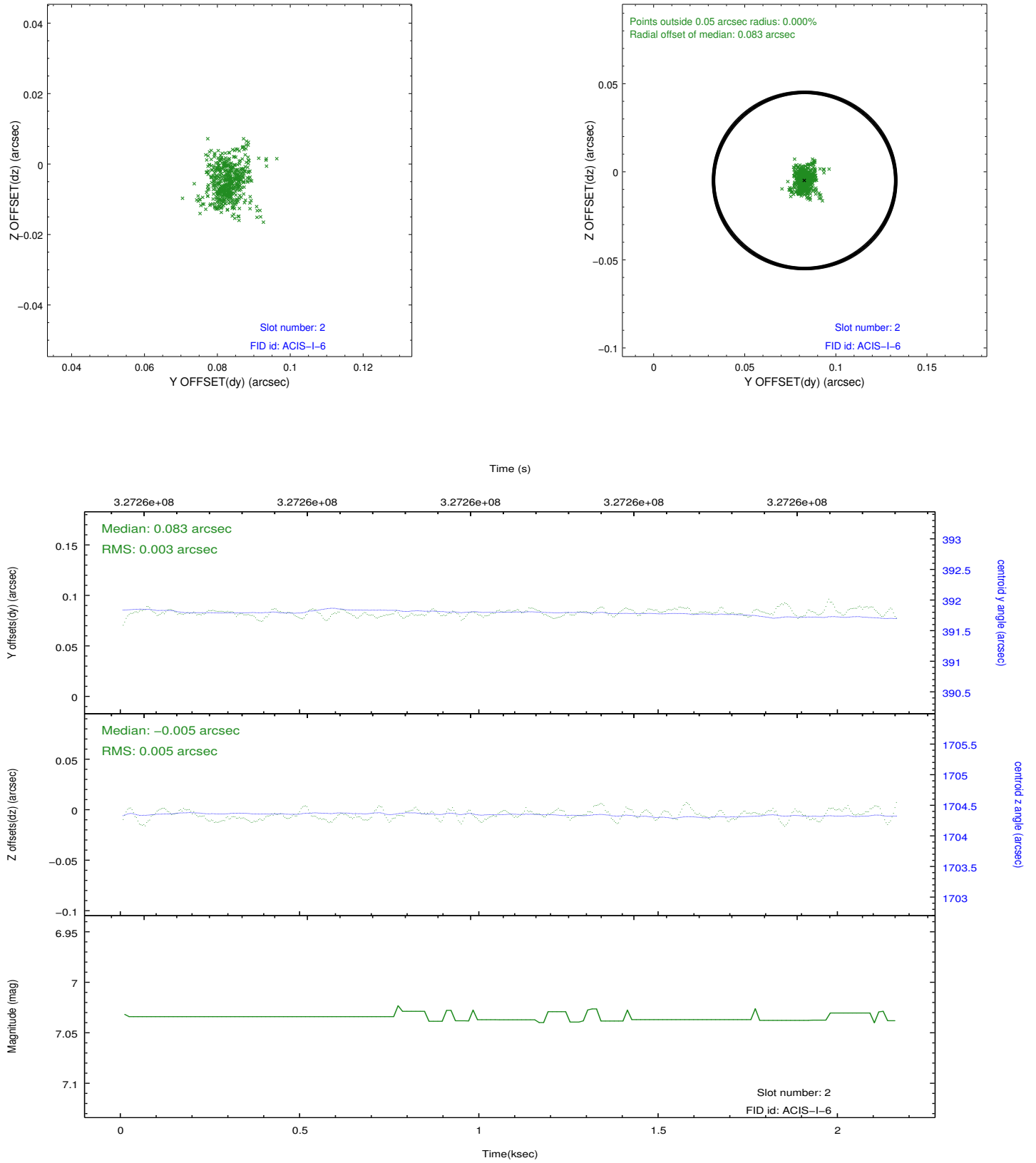
2.5.1 Slot 0



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	2.16070001

A.2 Comments

Joint proposal with NOAO.