

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8665 - L2 Version 2
Chandra X-Ray Center

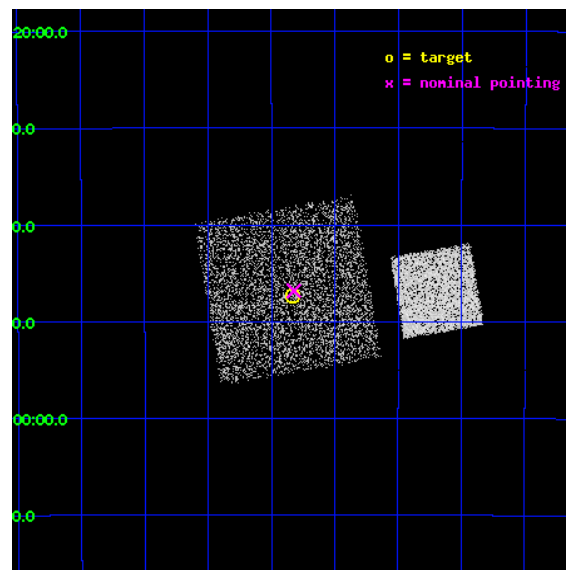
L2 Processing Date : May 15 2012

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1 Front

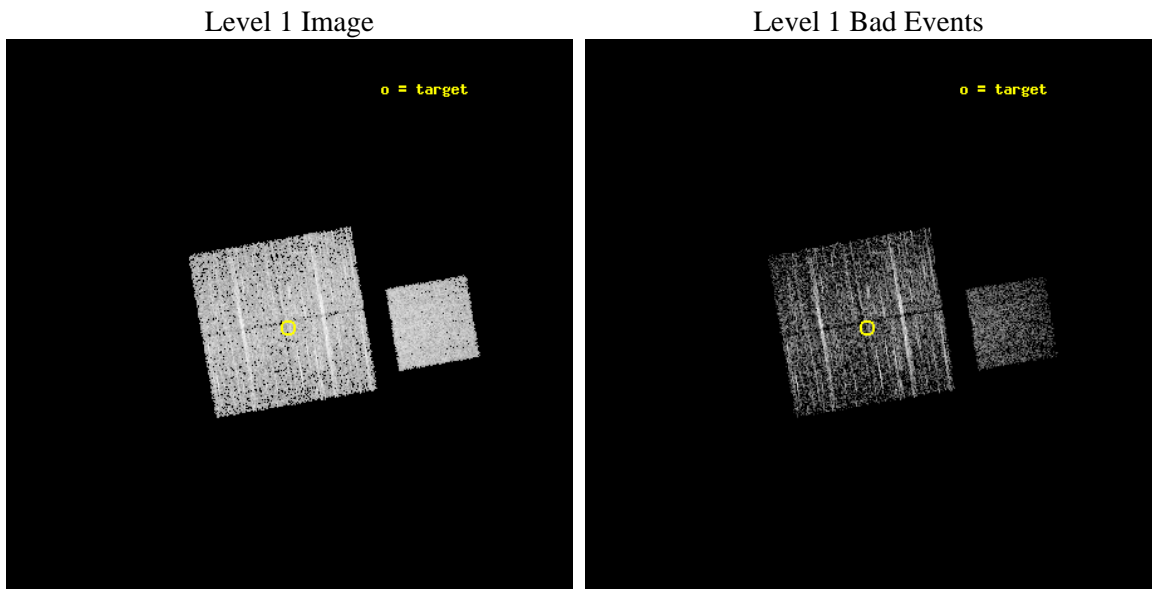
seq_num	400716	Sequence number
obs_id	8665	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.206906	Observer's specified target RA [deg]
dec_targ	-27.788359	Observer's specified target Dec [deg]
ra_nom	265.20570447778	Nominal RA [deg]
dec_nom	-27.780426203801	Nominal Dec [deg]
roll_nom	80.208229009406	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2185.4590165615	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
ontime7	2188.6000168324	Sum of GTIs [s]
l2events	15499	Number of level 2 events



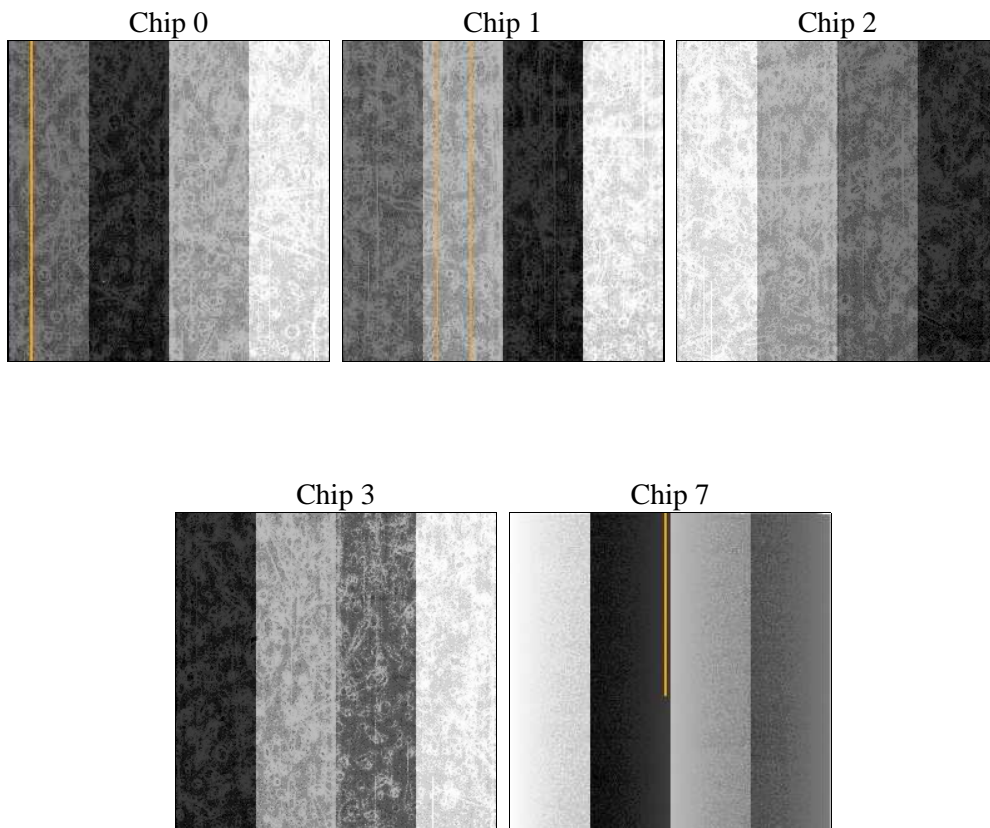
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.4590165615	Sum of GTIs [s]
date	2012-05-15T03:09:08	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			ontime7	2188.6000168324	Sum of GTIs [s]
			l1events	103328	Number of level 1 events

2.1.4 Events

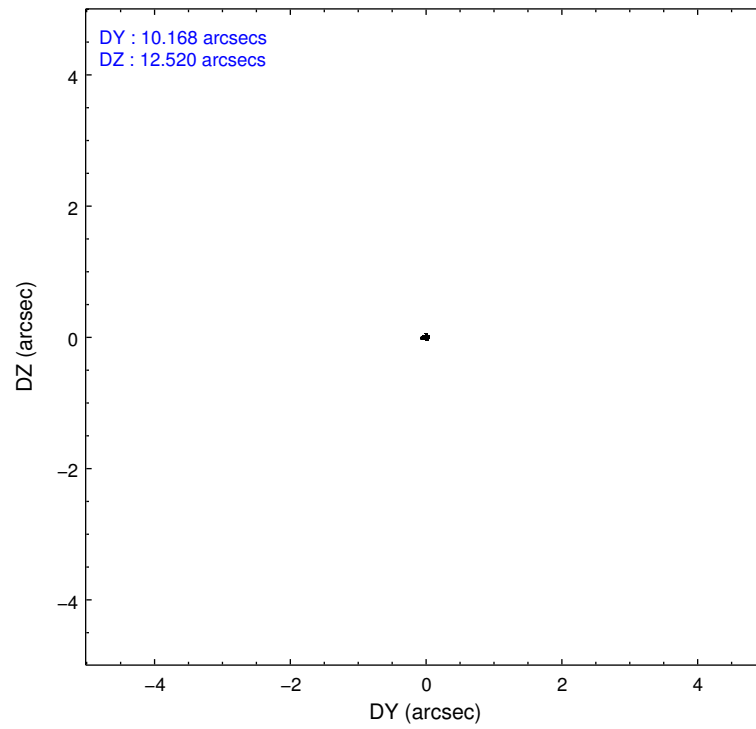
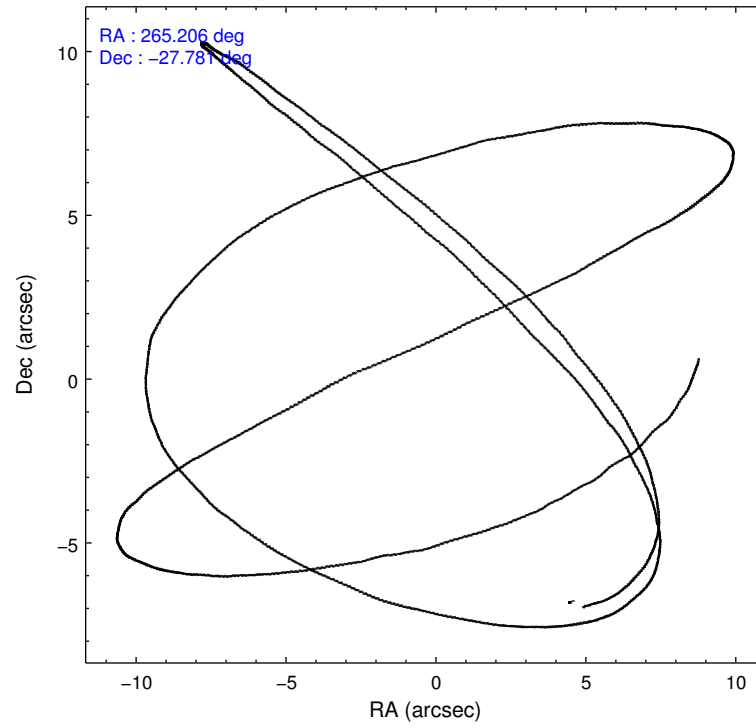
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18435	18916	21638	21414	22925
rejected events	16451	16690	19581	19505	13886
rejected %	89%	88%	90%	91%	60%

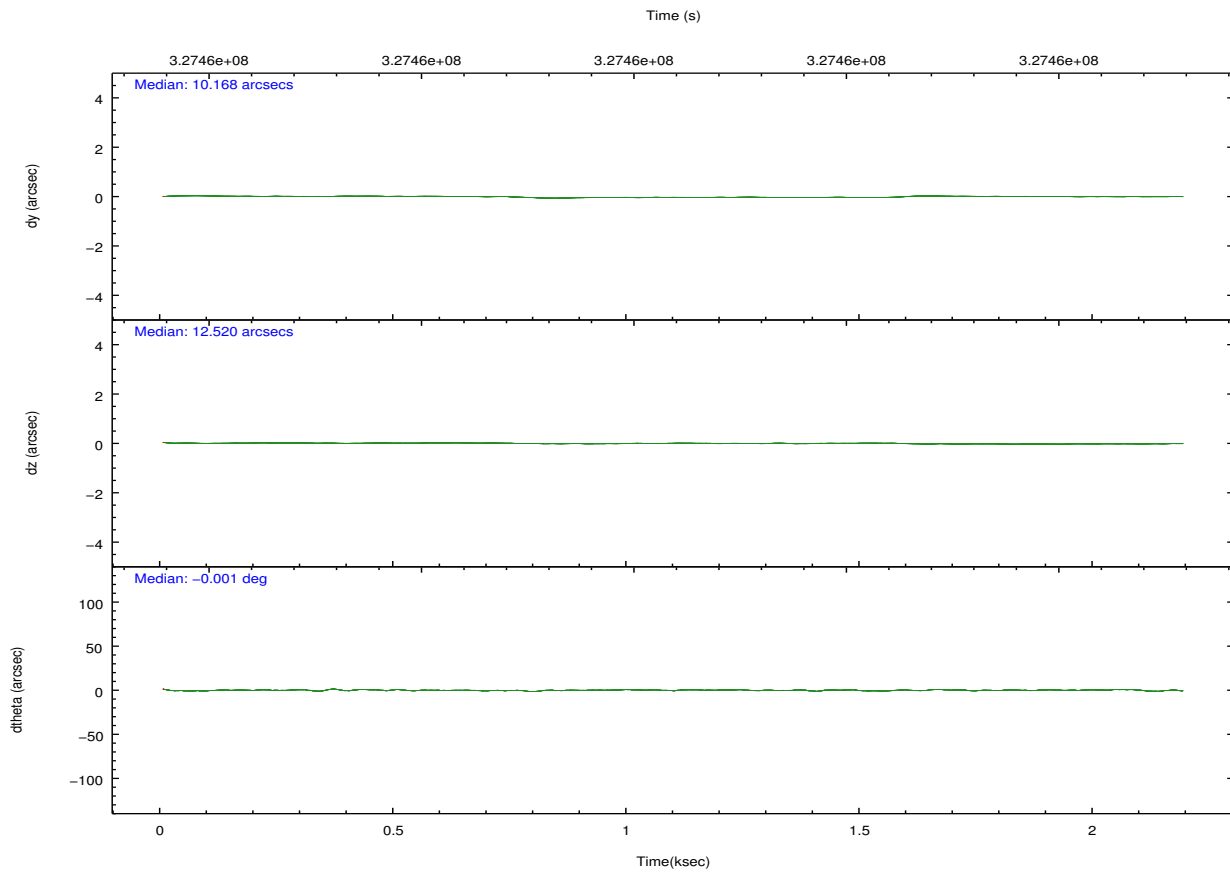
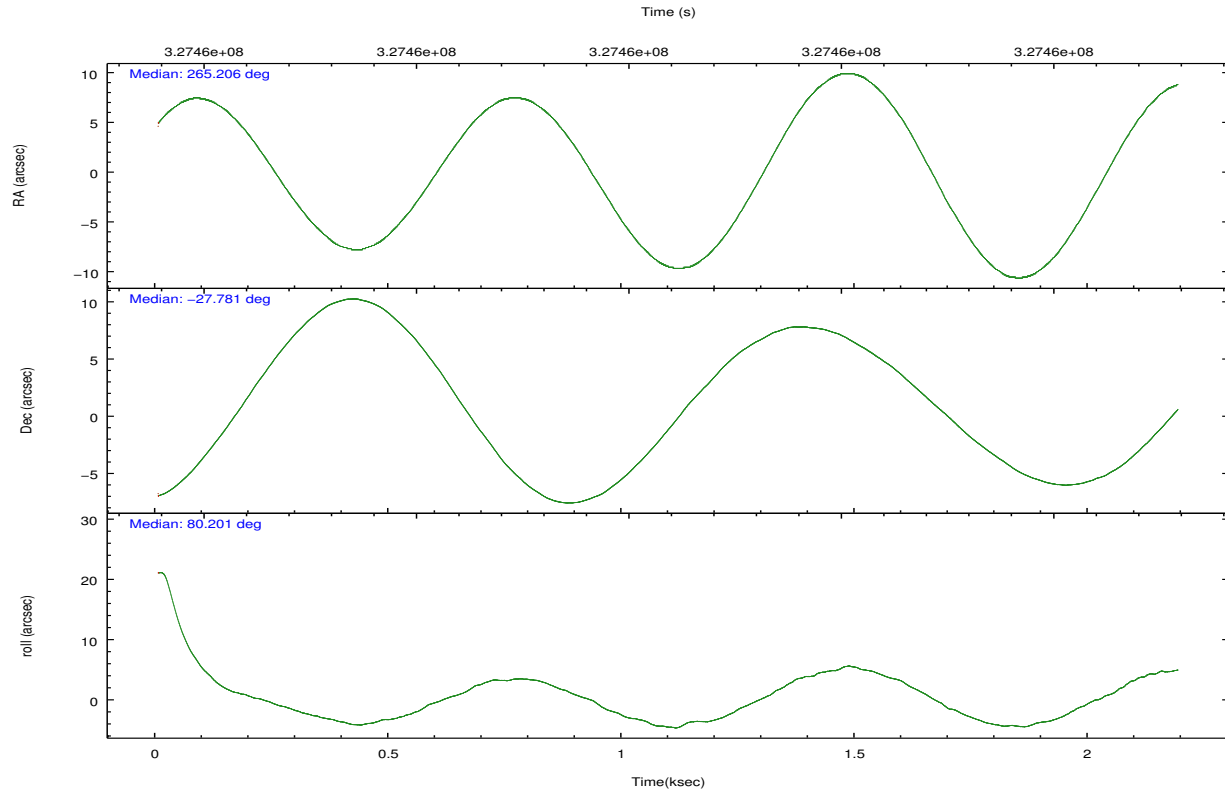
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	852	1073	913	891	1005
	4%	5%	4%	4%	4%
grade 1 events	10	12	15	15	31
	0%	0%	0%	0%	0%
grade 2 events	542	516	565	421	2259
	2%	2%	2%	1%	9%
grade 3 events	247	251	219	229	904
	1%	1%	1%	1%	3%
grade 4 events	237	257	219	240	907
	1%	1%	1%	1%	3%
grade 5 events	697	766	633	854	2432
	3%	4%	2%	3%	10%
grade 6 events	423	462	409	414	5275
	2%	2%	1%	1%	23%
grade 7 events	15427	15579	18665	18350	10112
	83%	82%	86%	85%	44%

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	265.216575	265.2057044777785	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.806113	-27.78042620380121	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004510	80.20822900940617	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)	327459684.184000	327459308.12002	CCD S5 on	N	N
Observation start date	2008-05-18T01:00:19	2008-05-18T00:55:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327461684.184000	327461817.83264	On-chip summing requested	N	N
Observation end date	2008-05-18T01:33:39	2008-05-18T01:36:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



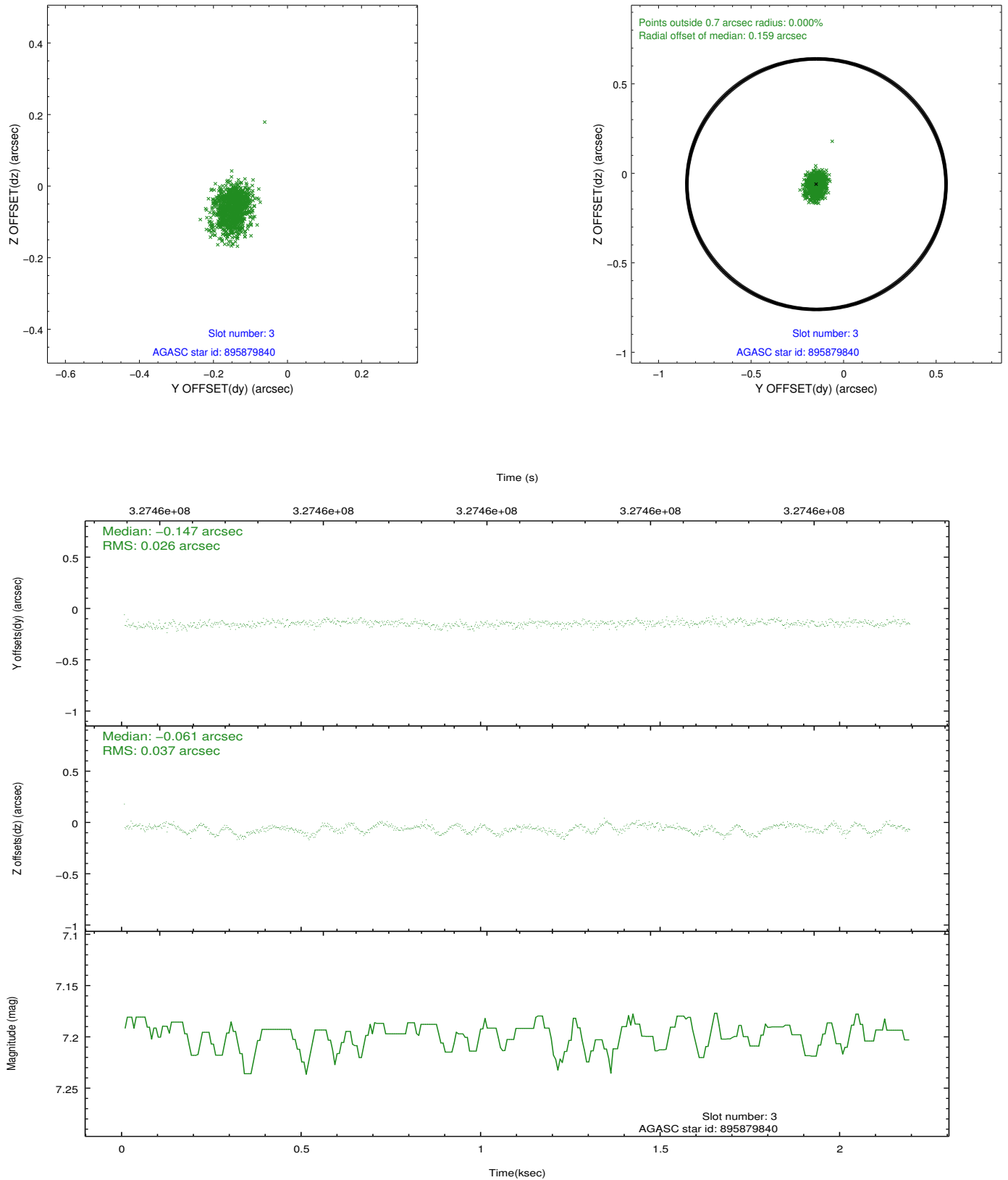


Slot Statistics

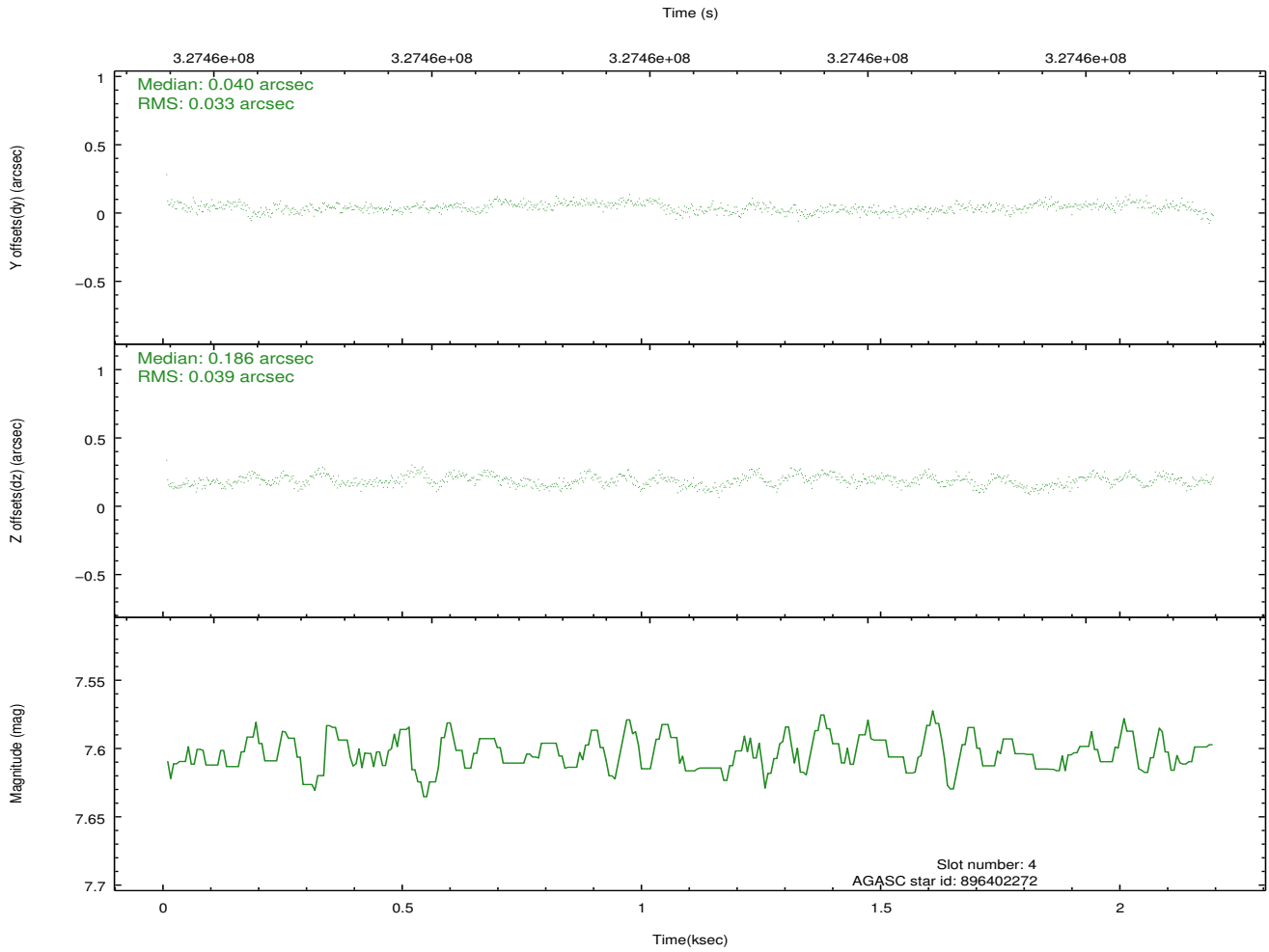
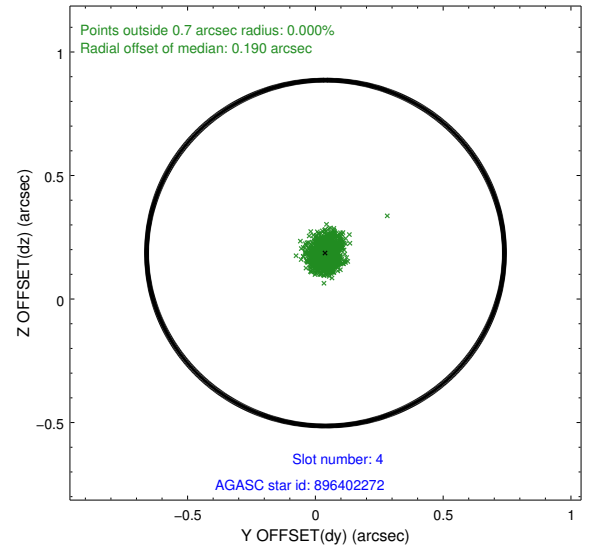
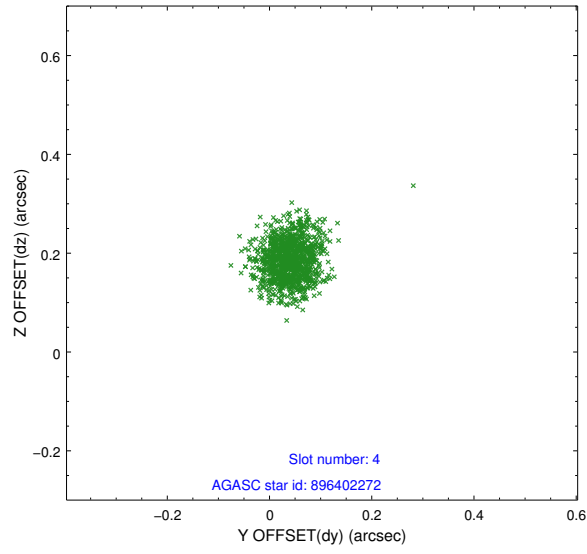
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	534	0.029	-0.020	0.008	0.015	0.000000	0.000000	929.45	-836.08
1	FID	ACIS-I-4	6.98	534	0.138	0.024	0.007	0.014	0.000000	0.000000	2151.29	1062.26
2	FID	ACIS-I-5	7.01	534	-0.265	0.067	0.007	0.013	0.000000	0.000000	-1814.98	1063.59
3	GUIDE	895879840	7.20	1068	-0.147	-0.061	0.047	0.079	265.218397	-27.395778	1455.84	251.27
4	GUIDE	896402272	7.60	1068	0.040	0.186	0.054	0.087	265.637294	-28.313189	-1566.64	-1629.89
5	GUIDE	896403960	8.59	1068	-0.024	-0.103	0.078	0.131	264.379044	-28.245612	-2029.67	2338.10
6	GUIDE	896404568	7.85	1068	0.086	0.214	0.057	0.090	265.687293	-28.431080	-1961.17	-1856.19
7	GUIDE	896405048	8.29	1067	0.049	-0.232	0.060	0.097	264.482575	-28.152230	-1640.11	2075.14

2.4 Star Slots

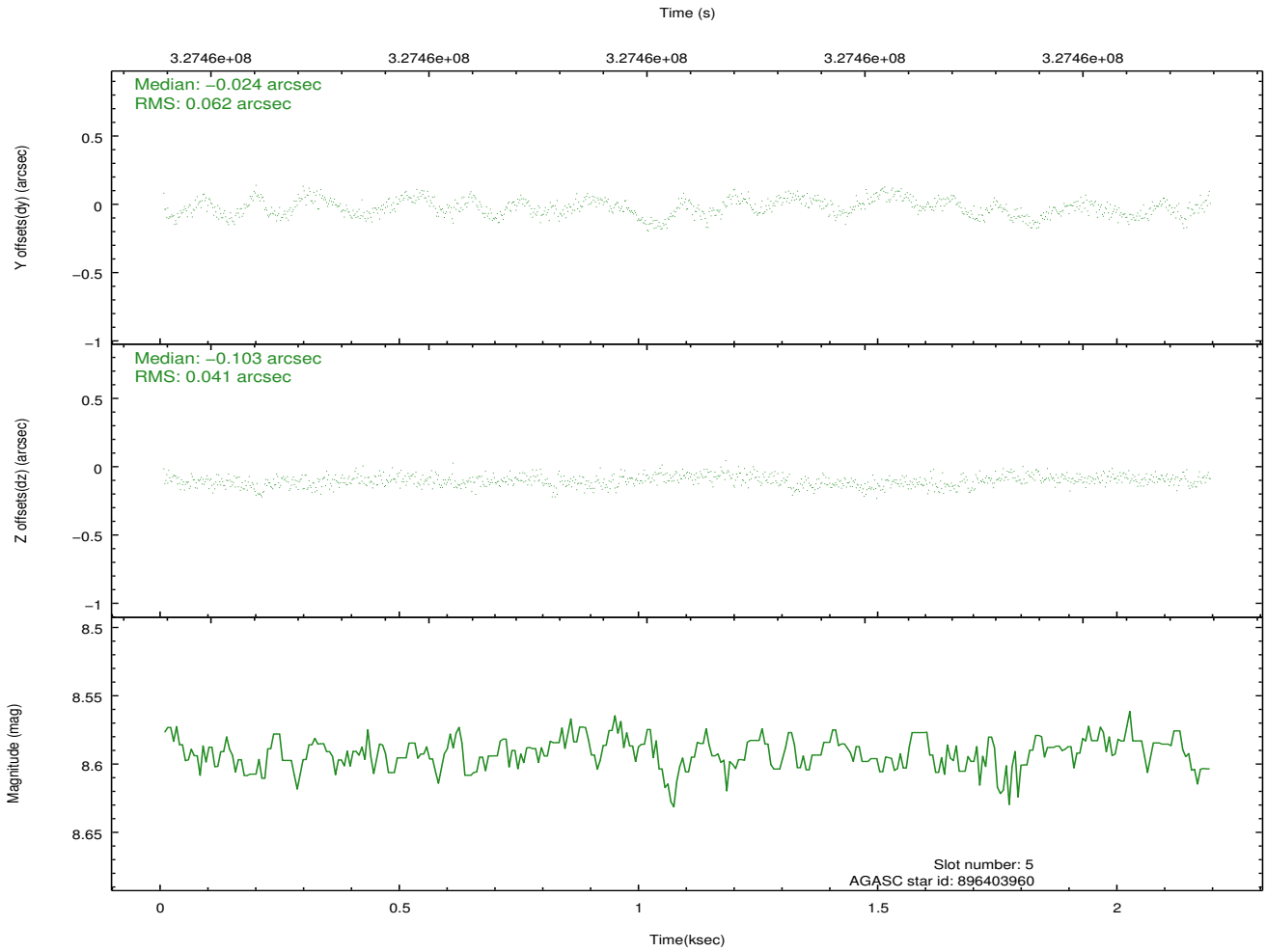
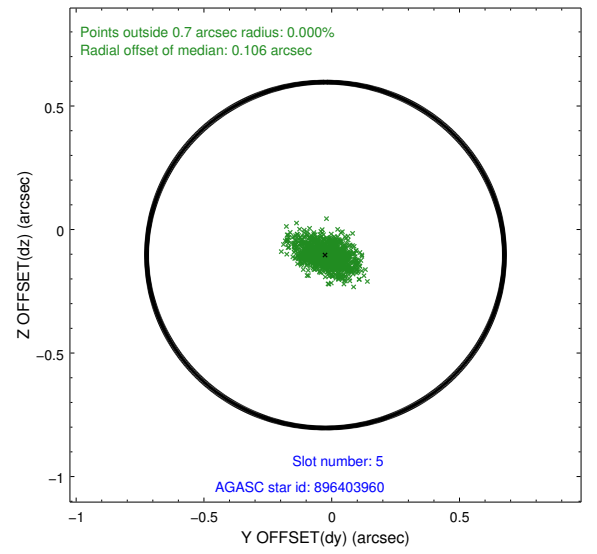
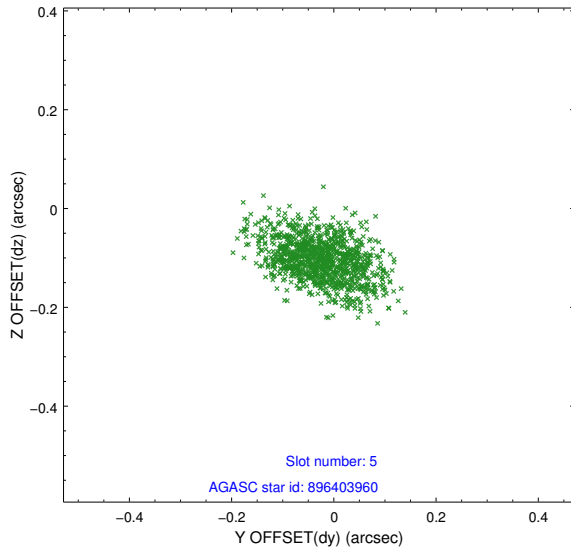
2.4.1 Slot 3



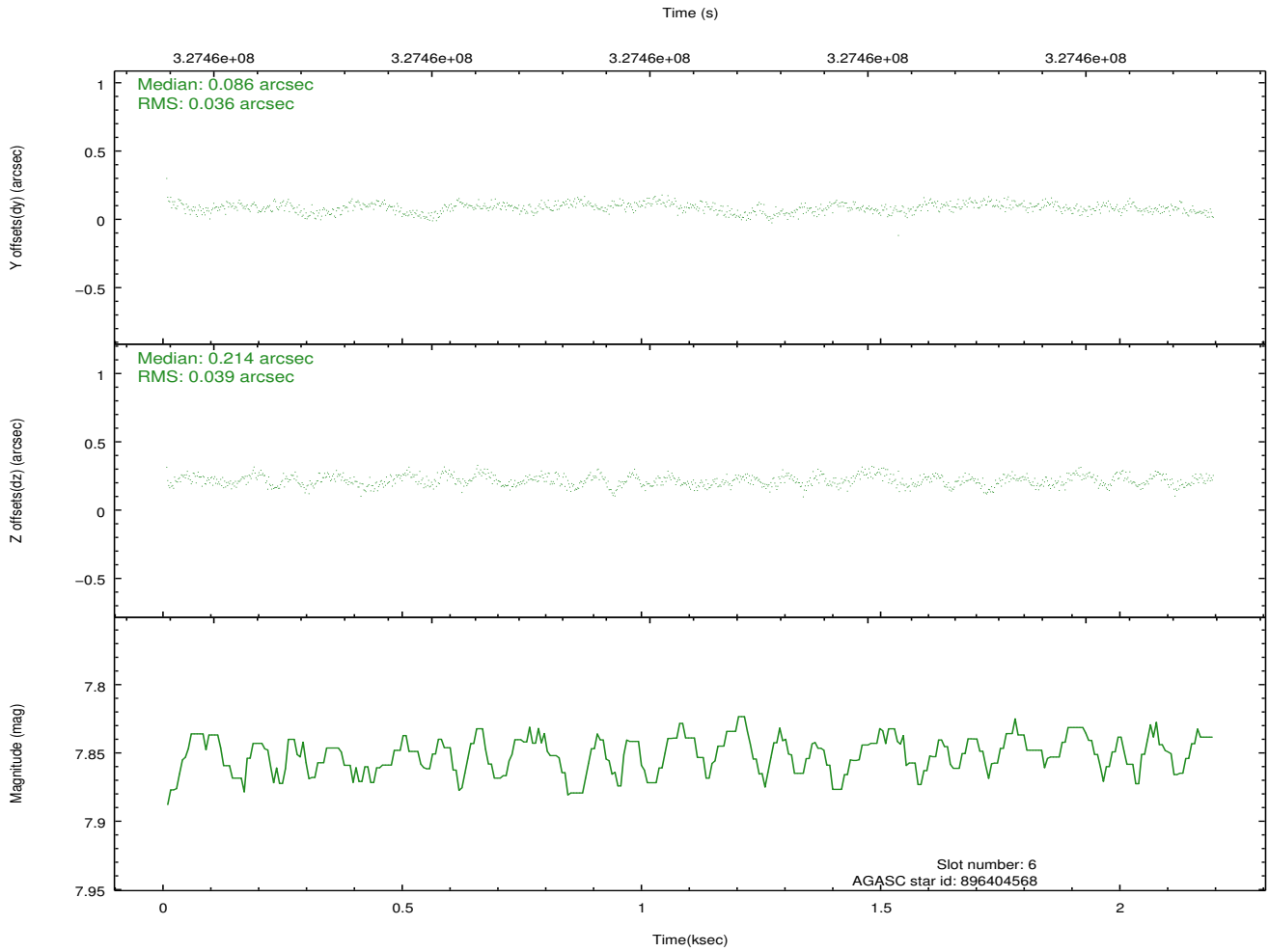
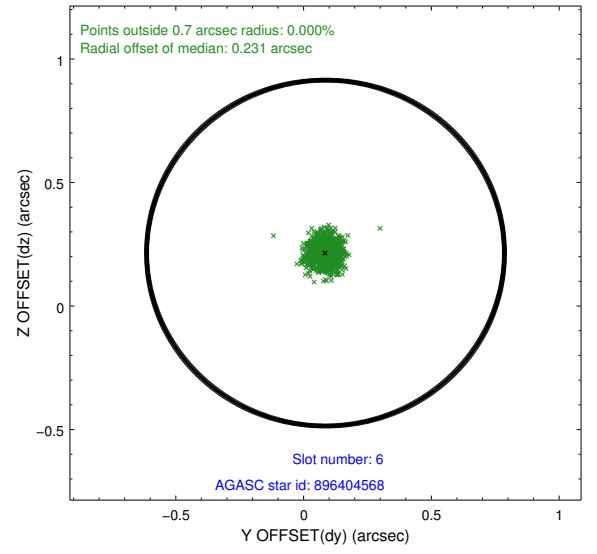
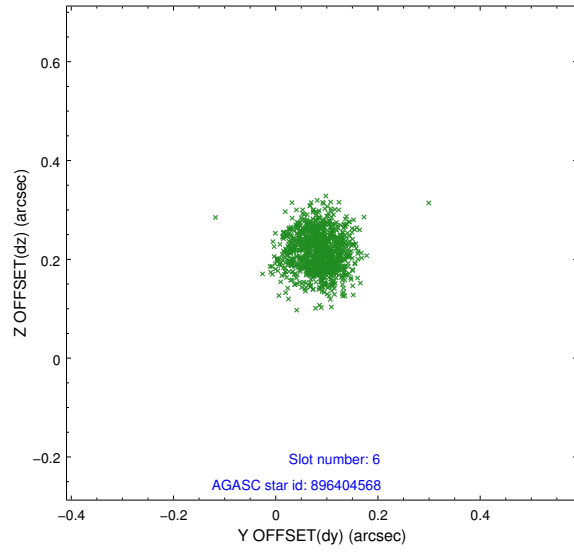
2.4.2 Slot 4



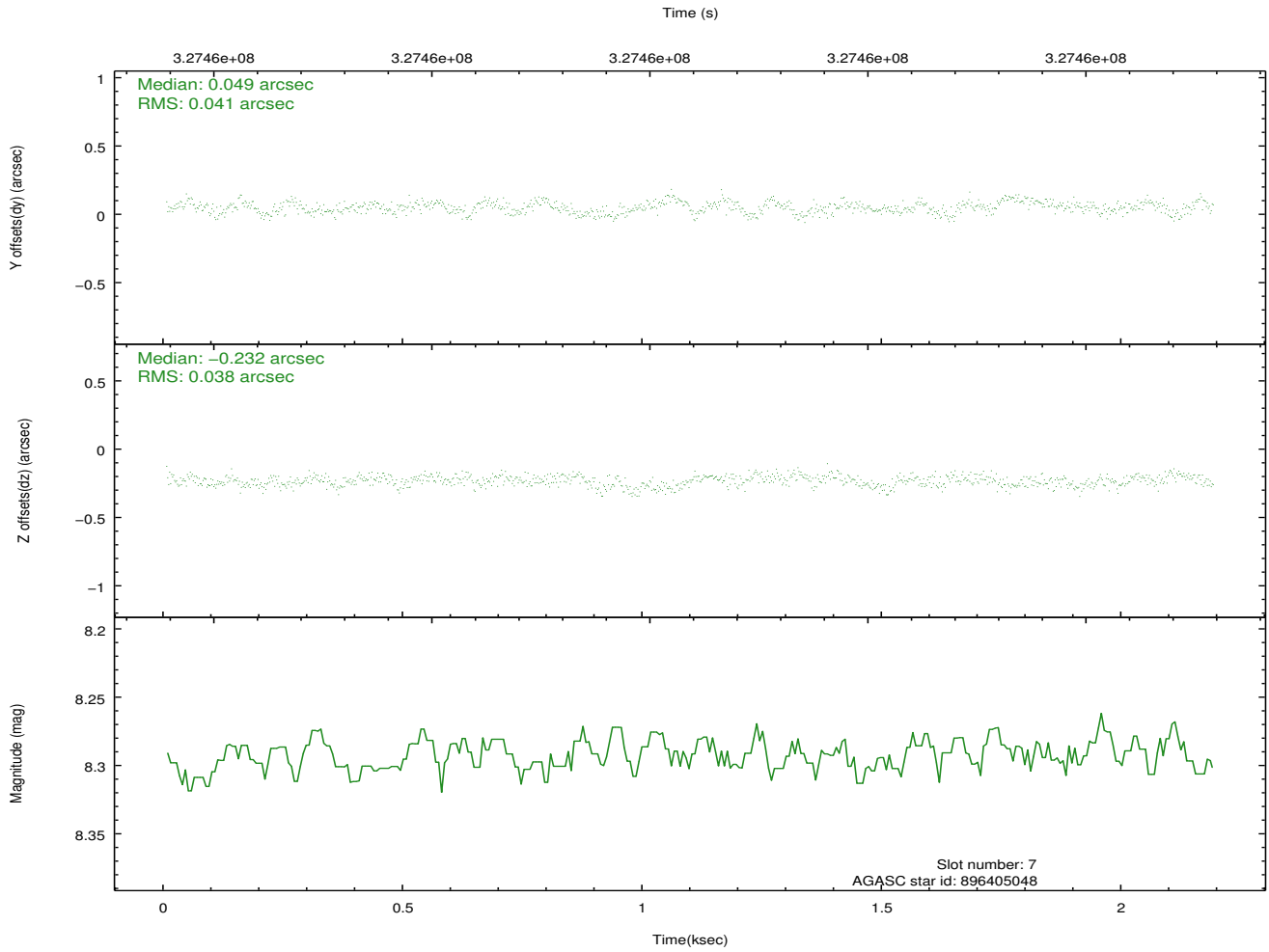
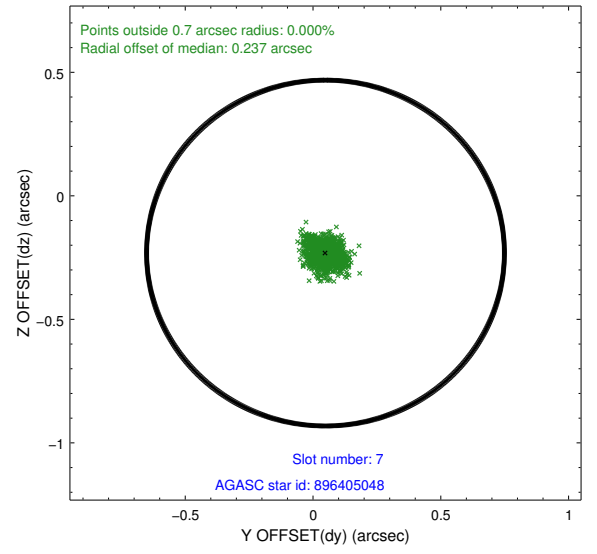
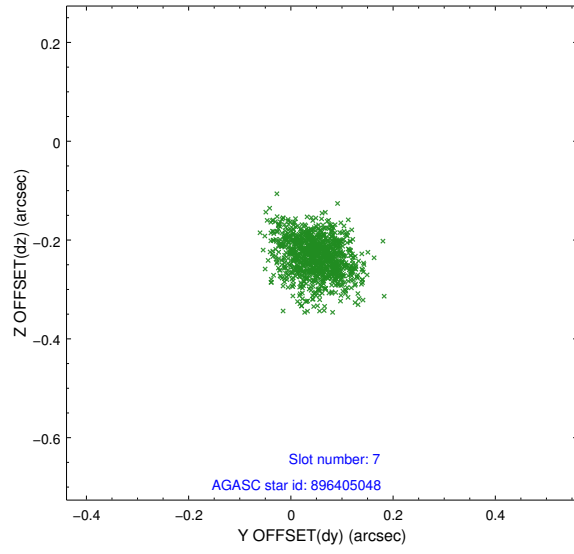
2.4.3 Slot 5



2.4.4 Slot 6

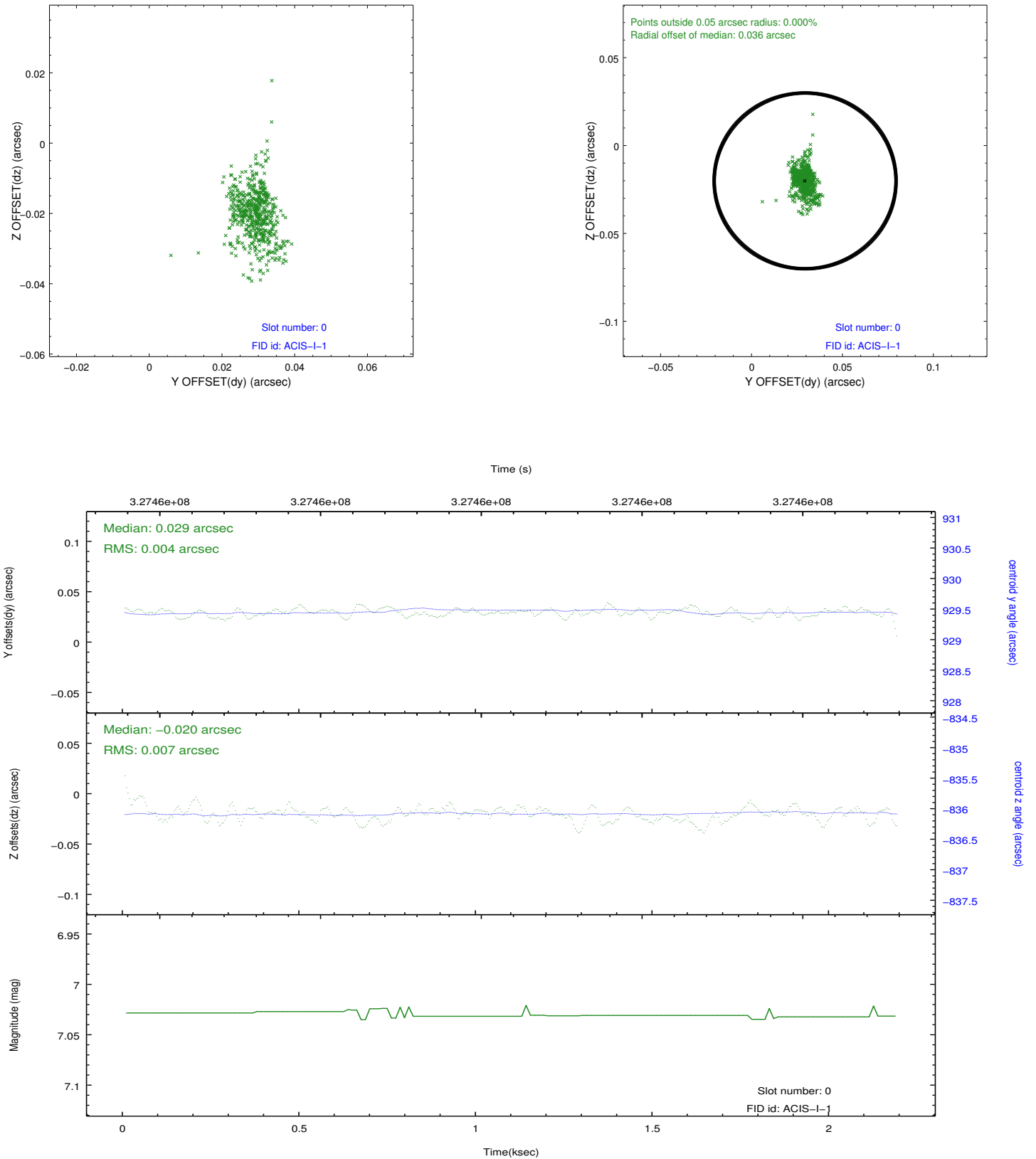


2.4.5 Slot 7

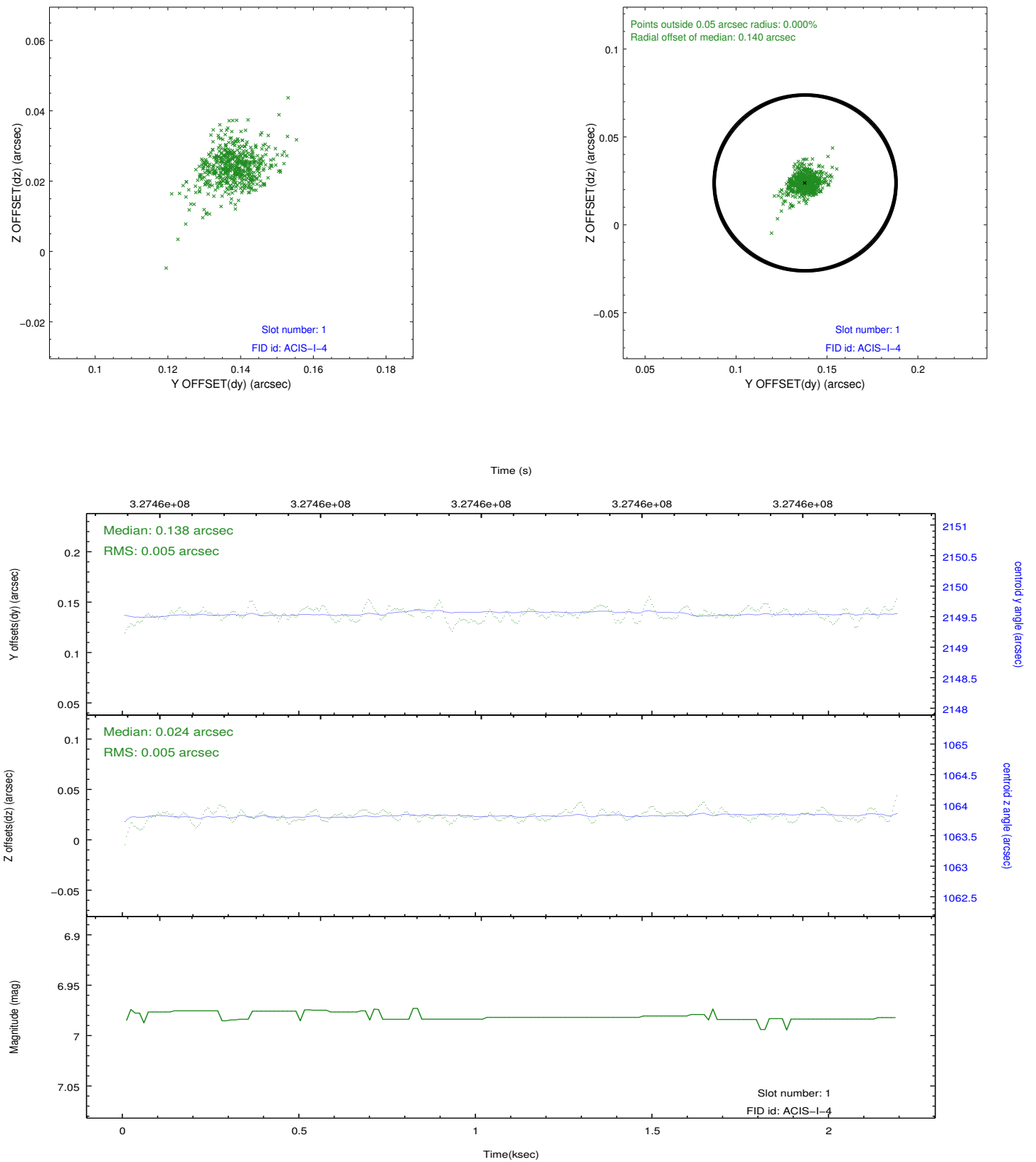


2.5 FID Slots

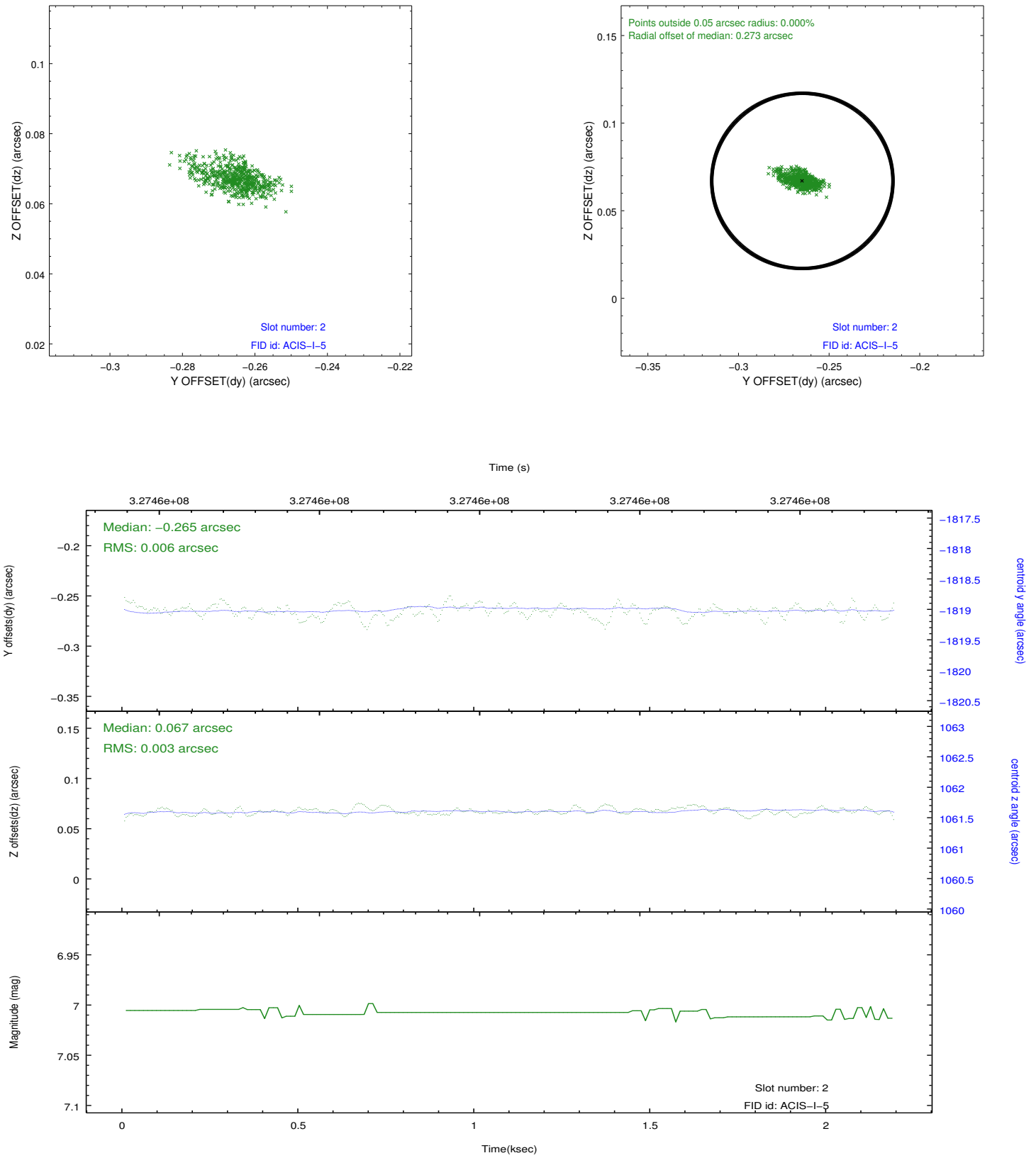
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18860001

A.2 Comments