

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8658 - L2 Version 2
Chandra X-Ray Center

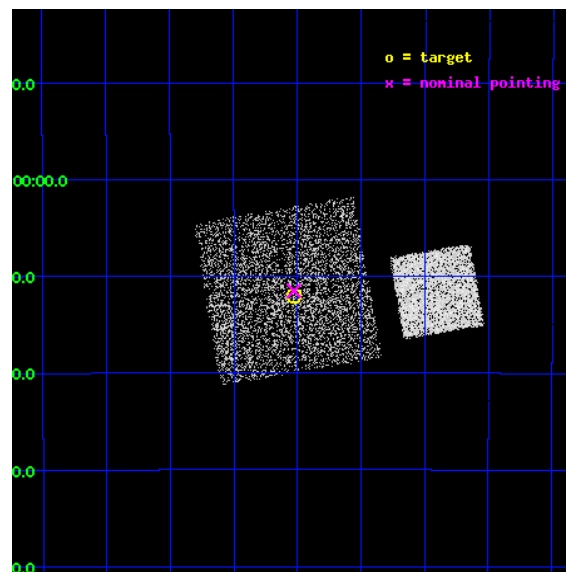
L2 Processing Date : May 14 2012

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1 Front

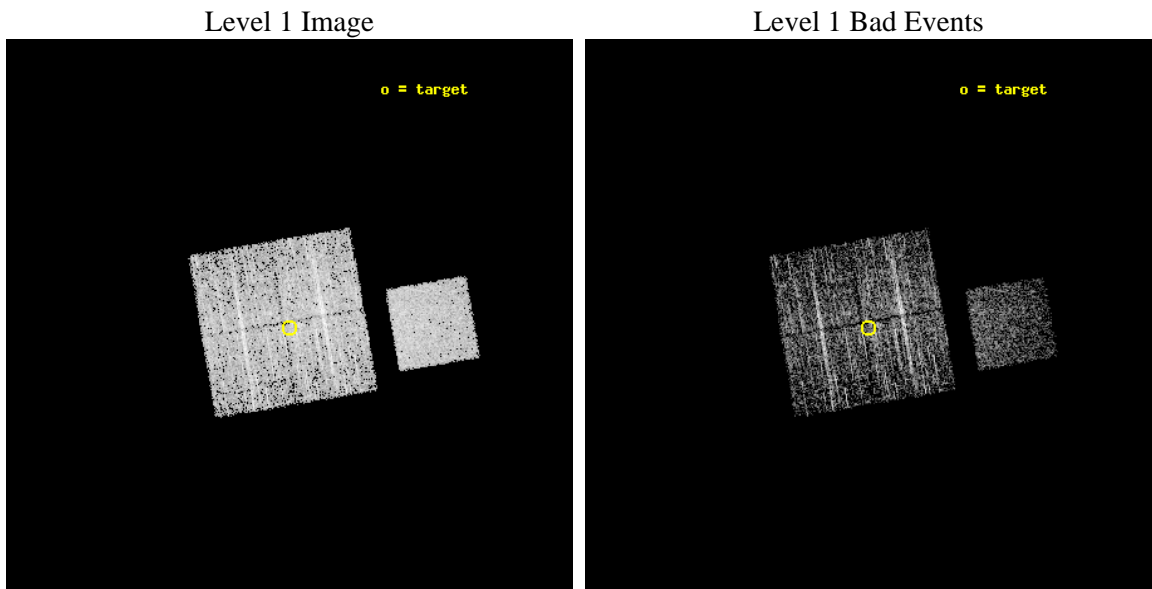
seq_num	400709	Sequence number
obs_id	8658	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.883306	Observer's specified target RA [deg]
dec_targ	-27.20014	Observer's specified target Dec [deg]
ra_nom	265.88215883602	Nominal RA [deg]
dec_nom	-27.191986555964	Nominal Dec [deg]
roll_nom	80.208176832	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.4590165615	Sum of GTIs [s]
livetime	2156.9043855986	Livetime [s]
ontime0	2185.4590066075	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2185.4590165615	Sum of GTIs [s]
ontime7	2188.6000168324	Sum of GTIs [s]
l2events	15537	Number of level 2 events



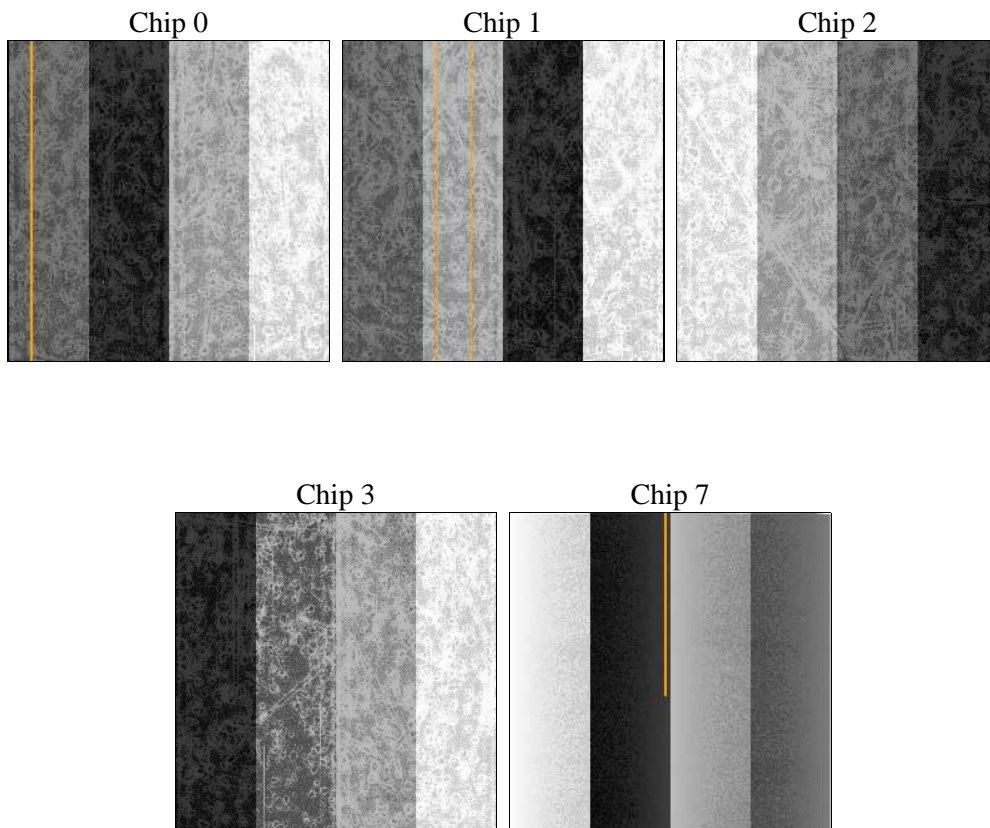
2 OBI

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	2185.4590165615	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.4590066075	Sum of GTIs [s]
date	2012-05-15T00:15:48	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	2185.4590165615	Sum of GTIs [s]
			ontime7	2188.6000168324	Sum of GTIs [s]
			l1events	101527	Number of level 1 events

2.1.4 Events

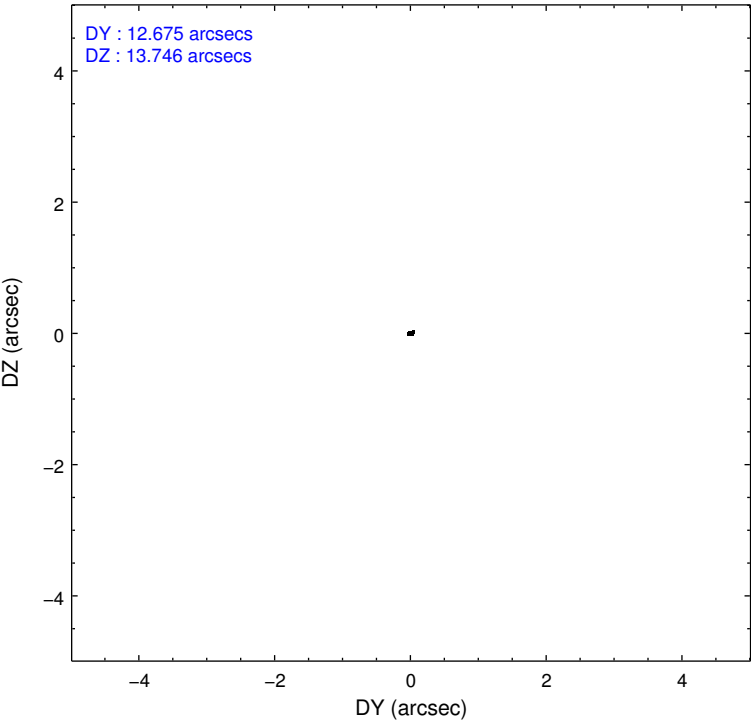
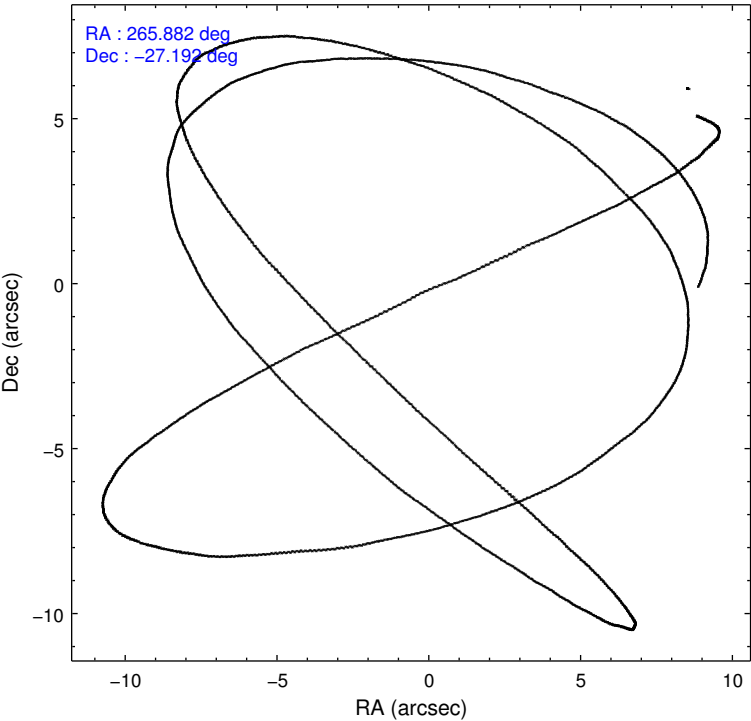
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18157	18506	21645	20558	22661
rejected events	16208	16314	19679	18655	13614
rejected %	89%	88%	90%	90%	60%

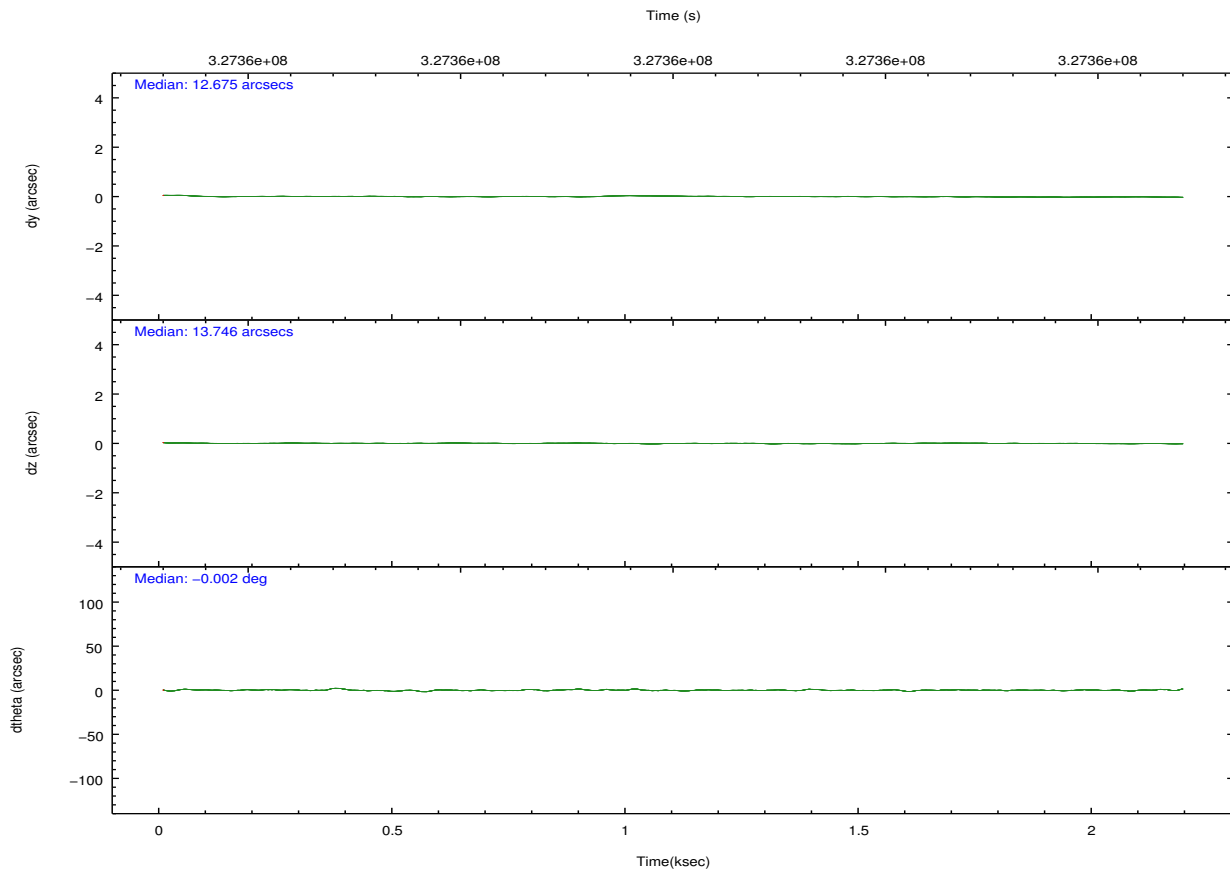
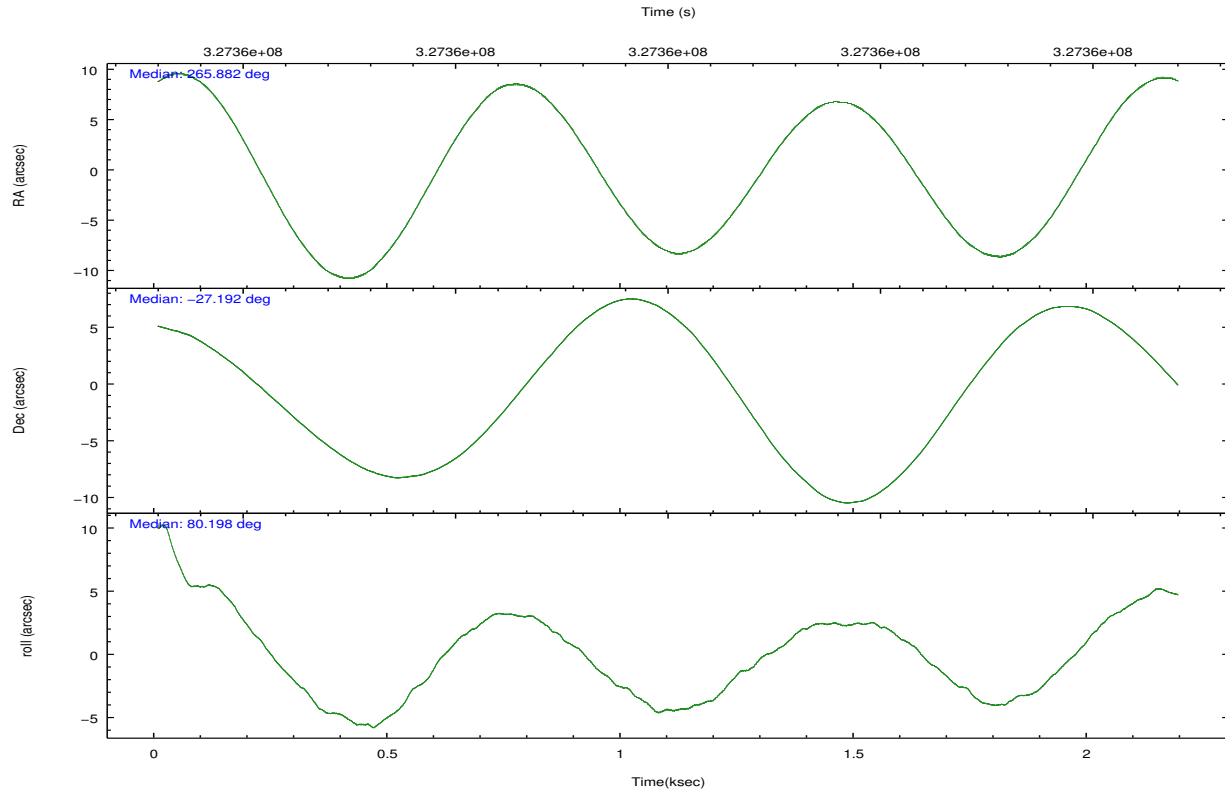
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	880	1067	941	906	1014
	4%	5%	4%	4%	4%
grade 1 events	15	11	9	17	25
	0%	0%	0%	0%	0%
grade 2 events	521	498	556	438	2093
	2%	2%	2%	2%	9%
grade 3 events	200	229	231	232	985
	1%	1%	1%	1%	4%
grade 4 events	228	246	194	219	935
	1%	1%	0%	1%	4%
grade 5 events	752	730	656	813	2436
	4%	3%	3%	3%	10%
grade 6 events	402	453	354	390	5369
	2%	2%	1%	1%	23%
grade 7 events	15159	15272	18704	17543	9804
	83%	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	265.892919	265.8821588360206	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.217895	-27.19198655596419	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004395	80.20817683199967	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)	327357093.184000	327356717.40252	CCD S5 on	N	N
Observation start date	2008-05-16T20:30:28	2008-05-16T20:25:17	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327359093.184000	327359227.62764	On-chip summing requested	N	N
Observation end date	2008-05-16T21:03:48	2008-05-16T21:07:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



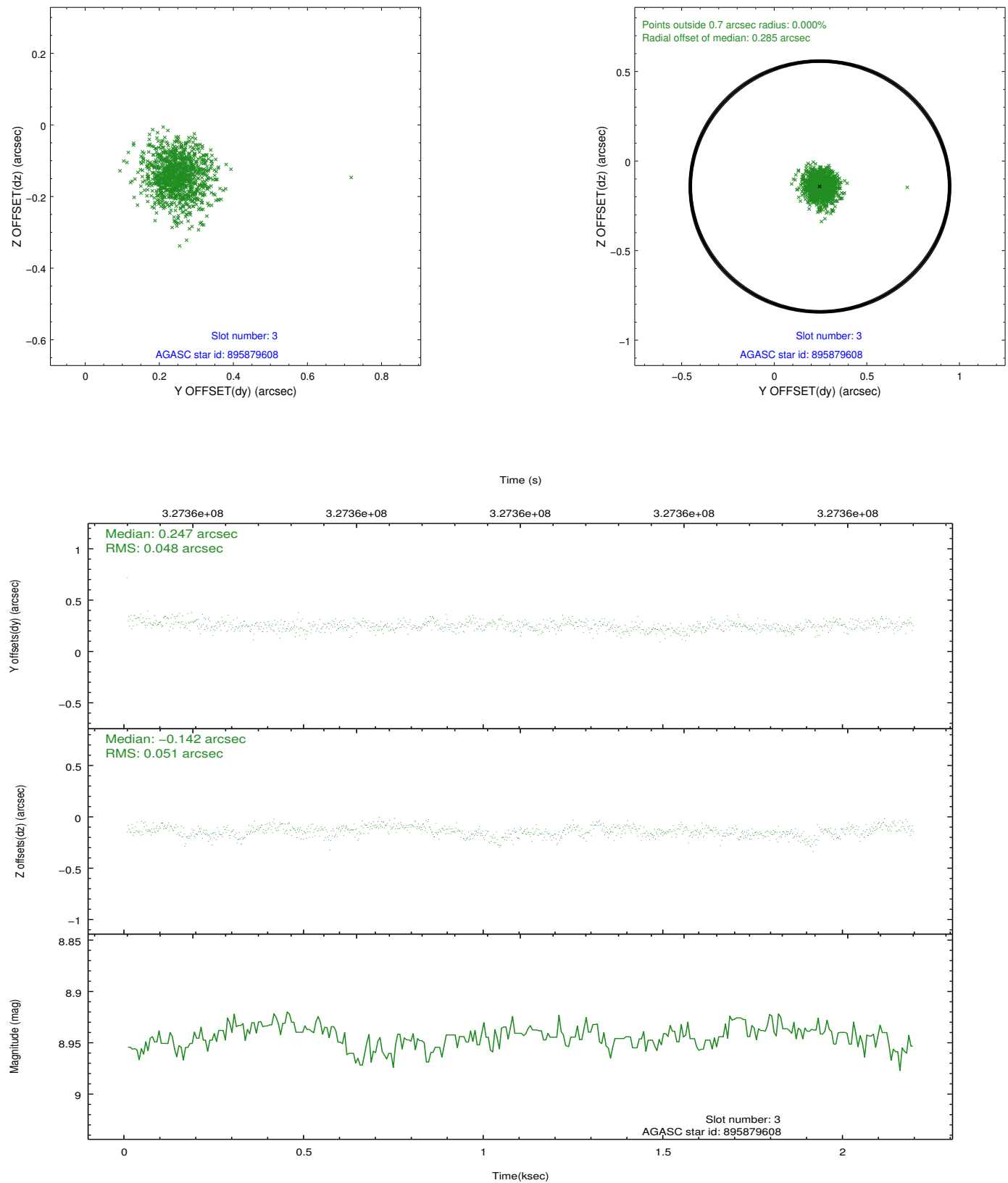


Slot Statistics

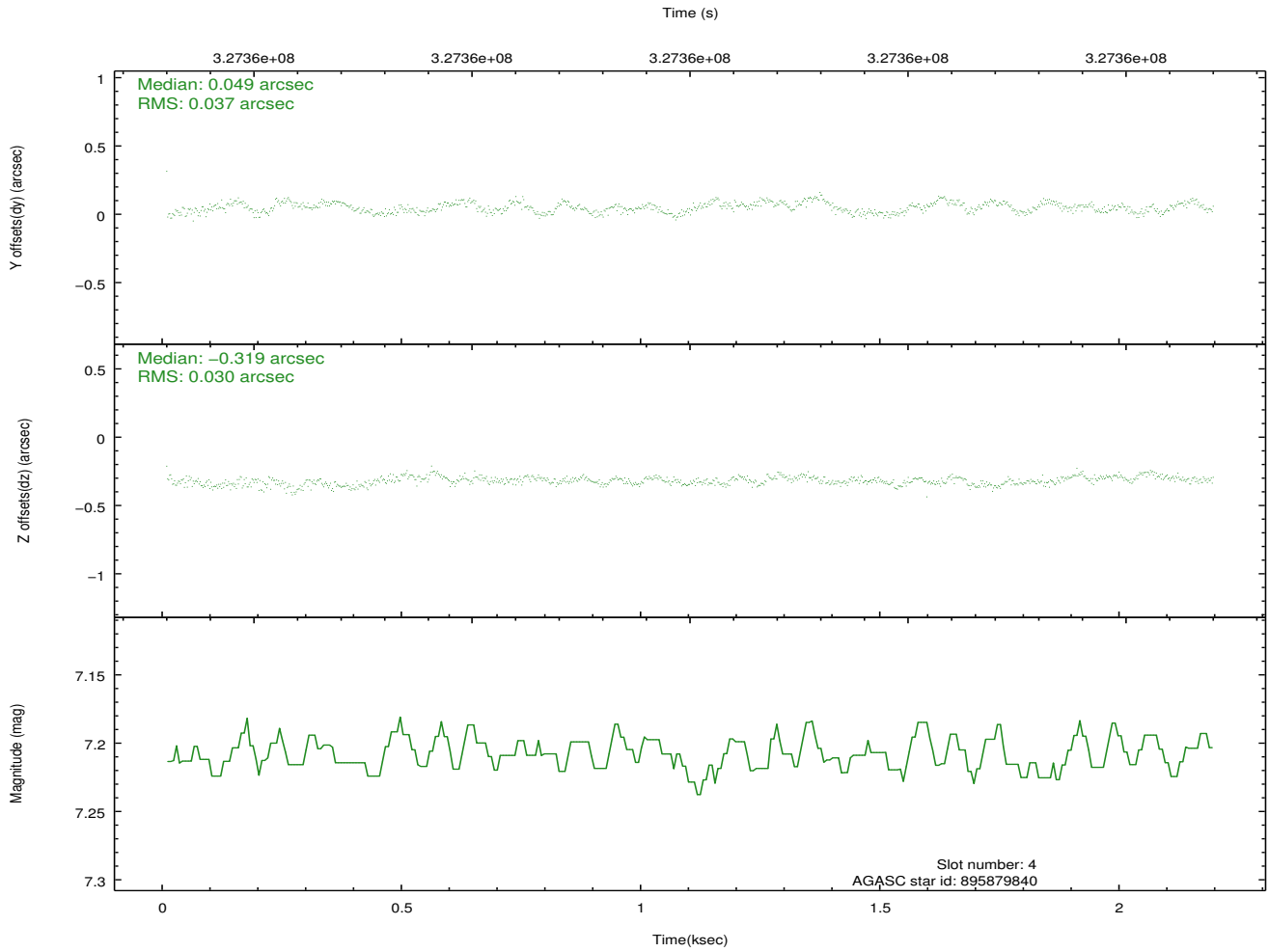
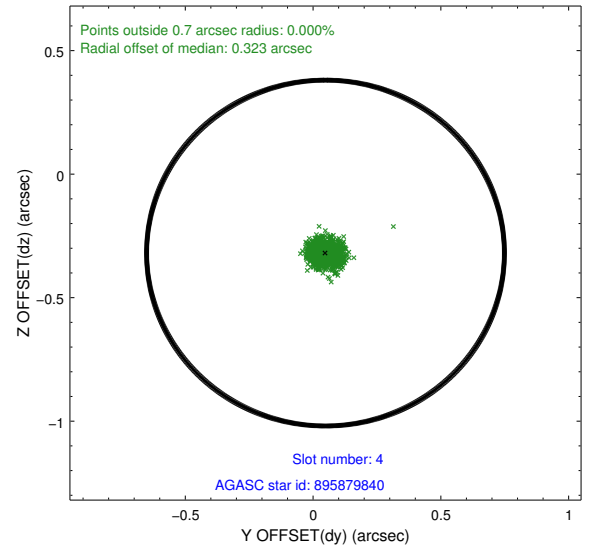
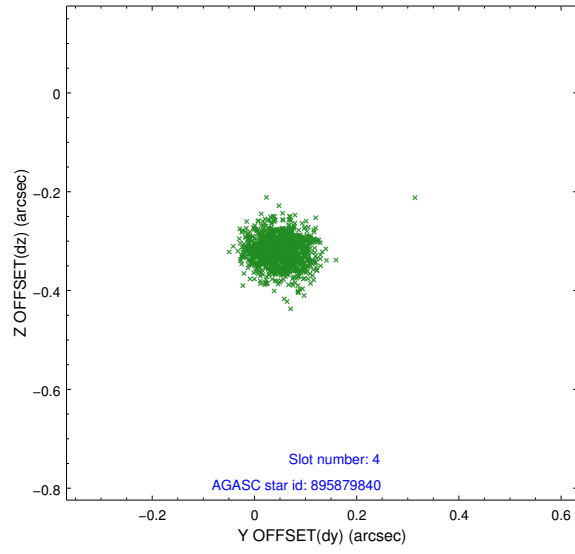
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	534	-0.032	0.042	0.009	0.016	0.000000	0.000000	926.82	-837.27
1	FID	ACIS-I-4	7.00	534	0.168	0.010	0.009	0.014	0.000000	0.000000	2148.71	1061.01
2	FID	ACIS-I-5	7.04	534	-0.234	0.019	0.008	0.016	0.000000	0.000000	-1817.56	1062.26
3	GUIDE	895879608	8.94	1067	0.247	-0.142	0.072	0.117	265.708239	-27.843915	-2322.00	187.51
4	GUIDE	895879840	7.21	1068	0.049	-0.319	0.050	0.078	265.218397	-27.395778	-1013.53	2011.23
5	GUIDE	896013040	7.35	1068	-0.091	0.121	0.059	0.091	266.506589	-26.972299	1206.76	-1783.86
6	GUIDE	896014680	8.75	1068	-0.063	0.133	0.069	0.112	266.460330	-27.216583	317.00	-1789.99
7	GUIDE	896014528	7.69	1067	-0.138	0.208	0.055	0.087	266.628858	-27.438607	-380.90	-2455.97

2.4 Star Slots

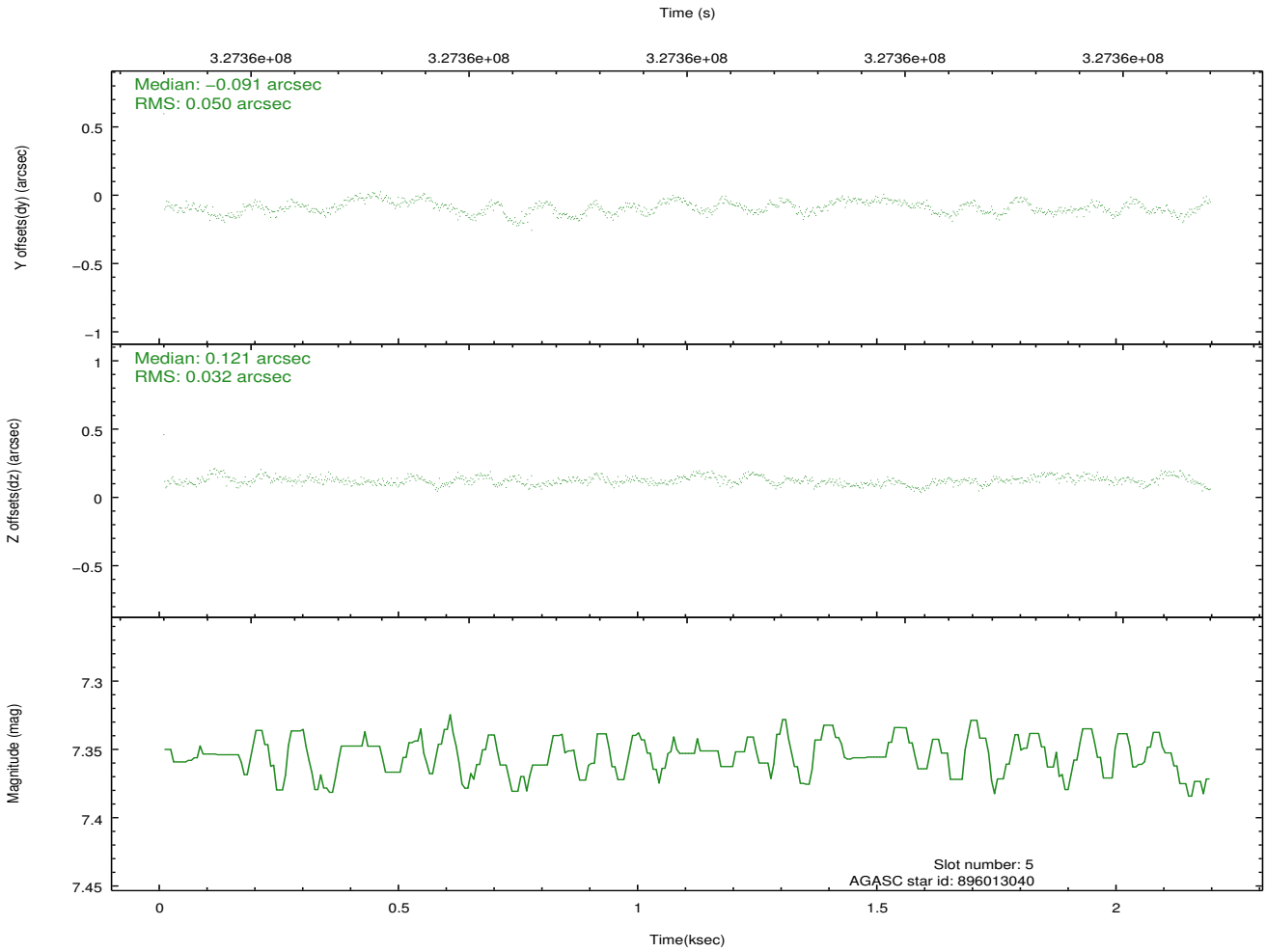
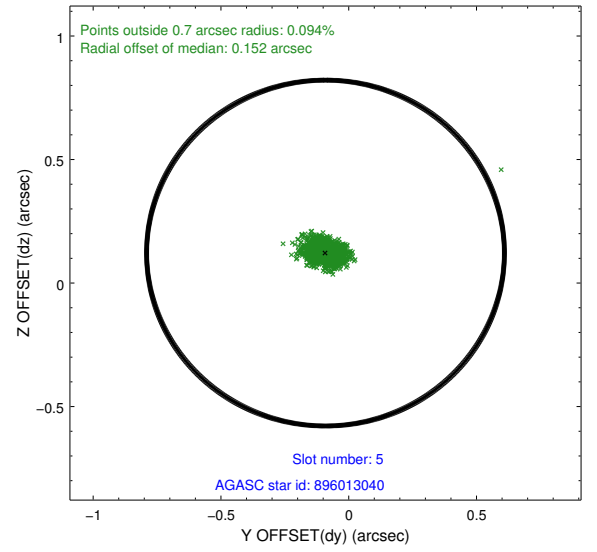
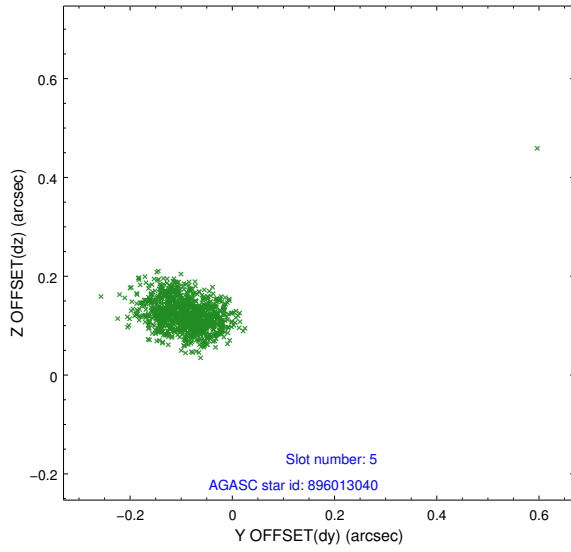
2.4.1 Slot 3



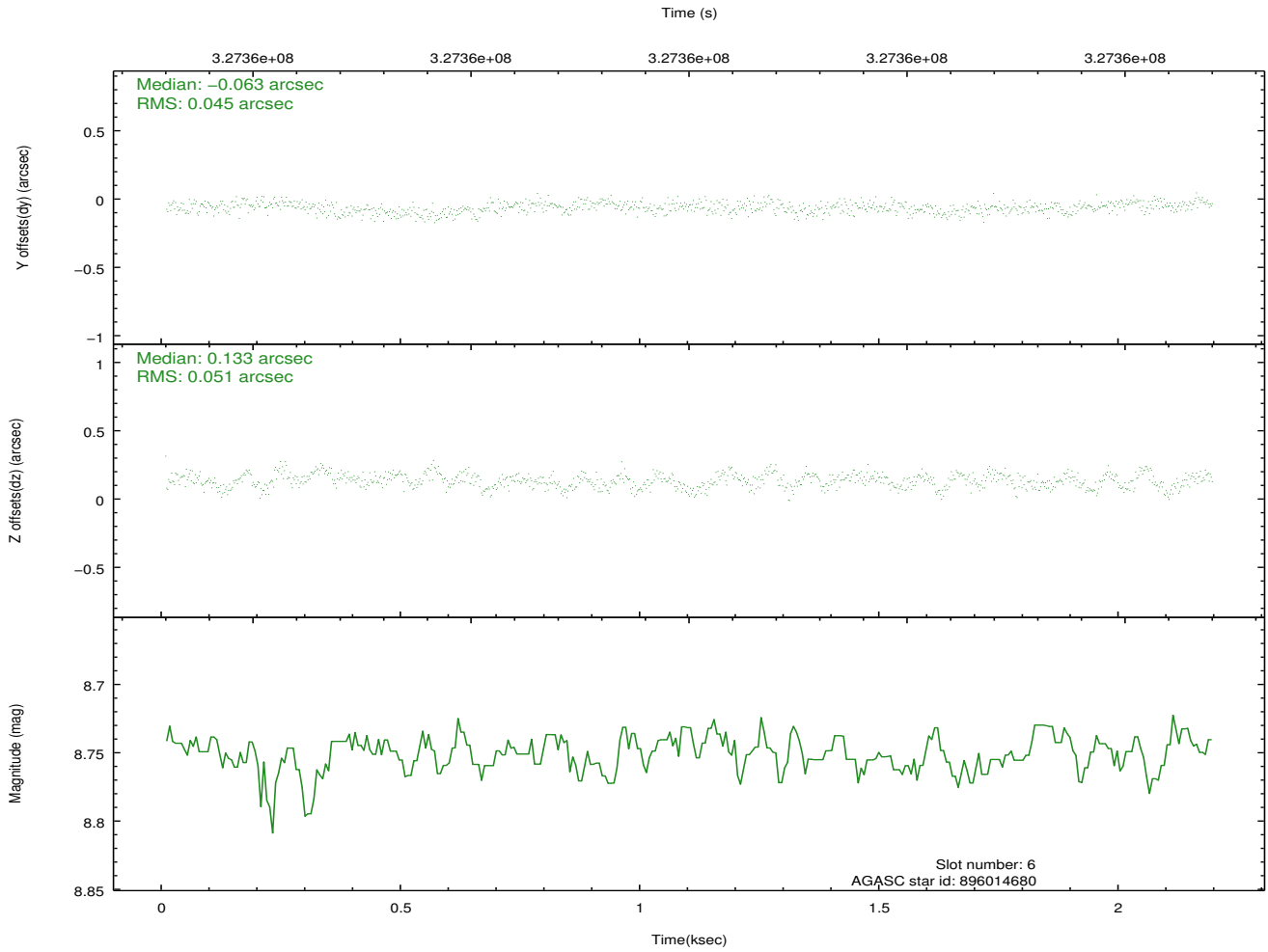
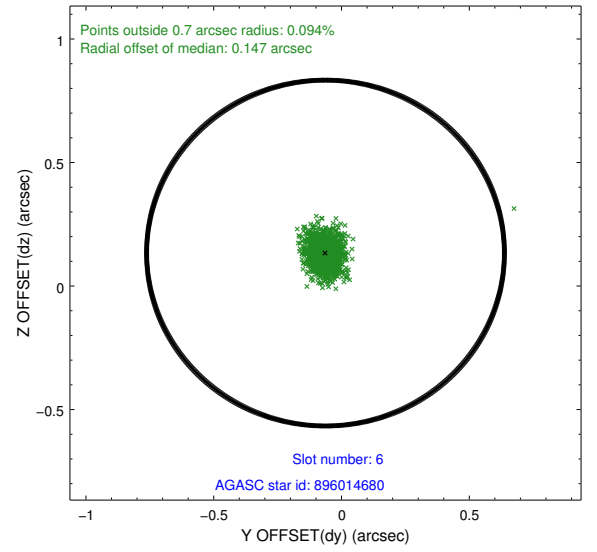
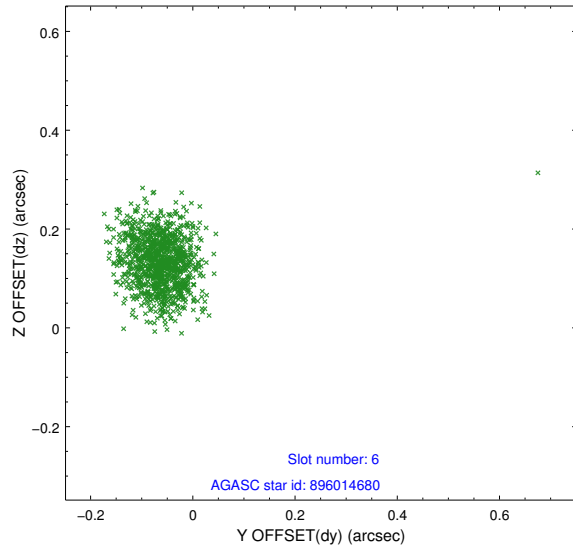
2.4.2 Slot 4



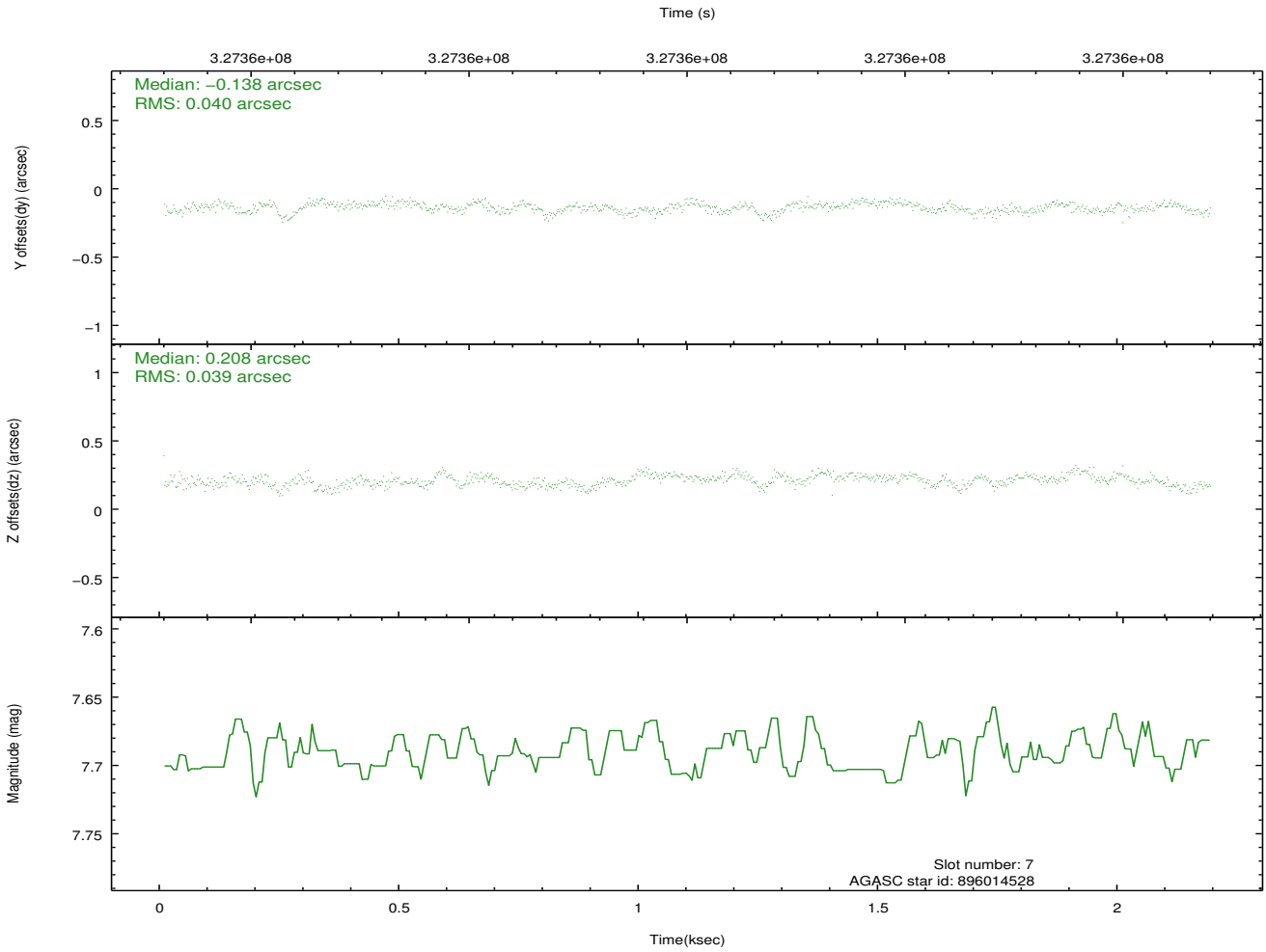
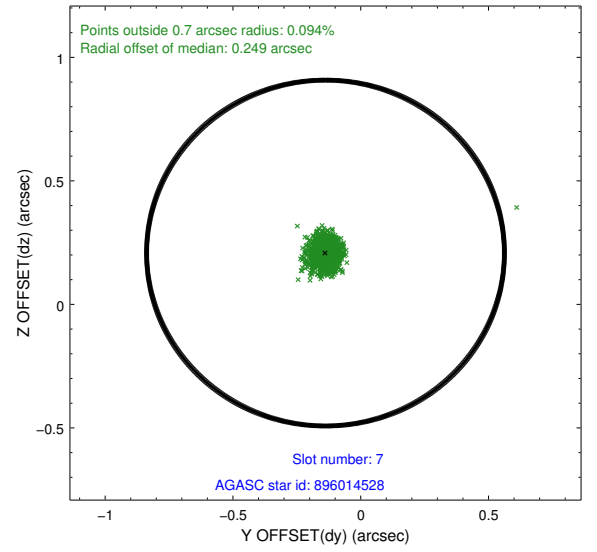
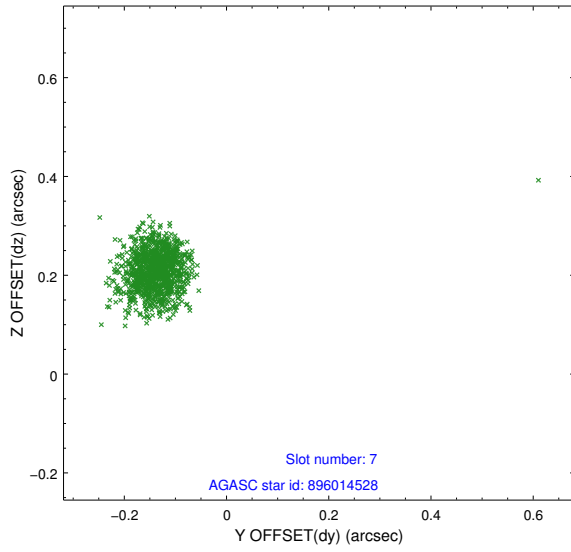
2.4.3 Slot 5



2.4.4 Slot 6

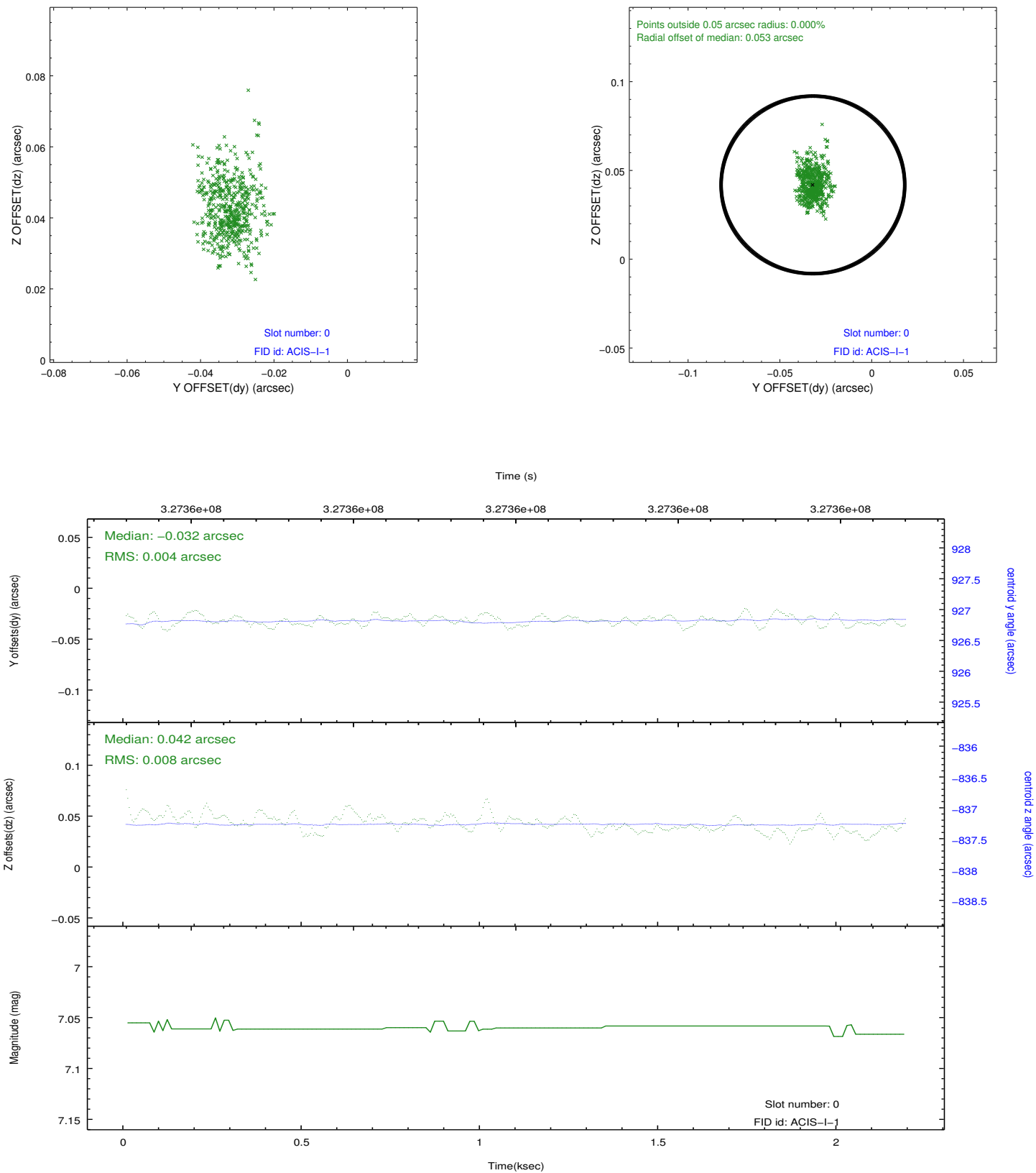


2.4.5 Slot 7

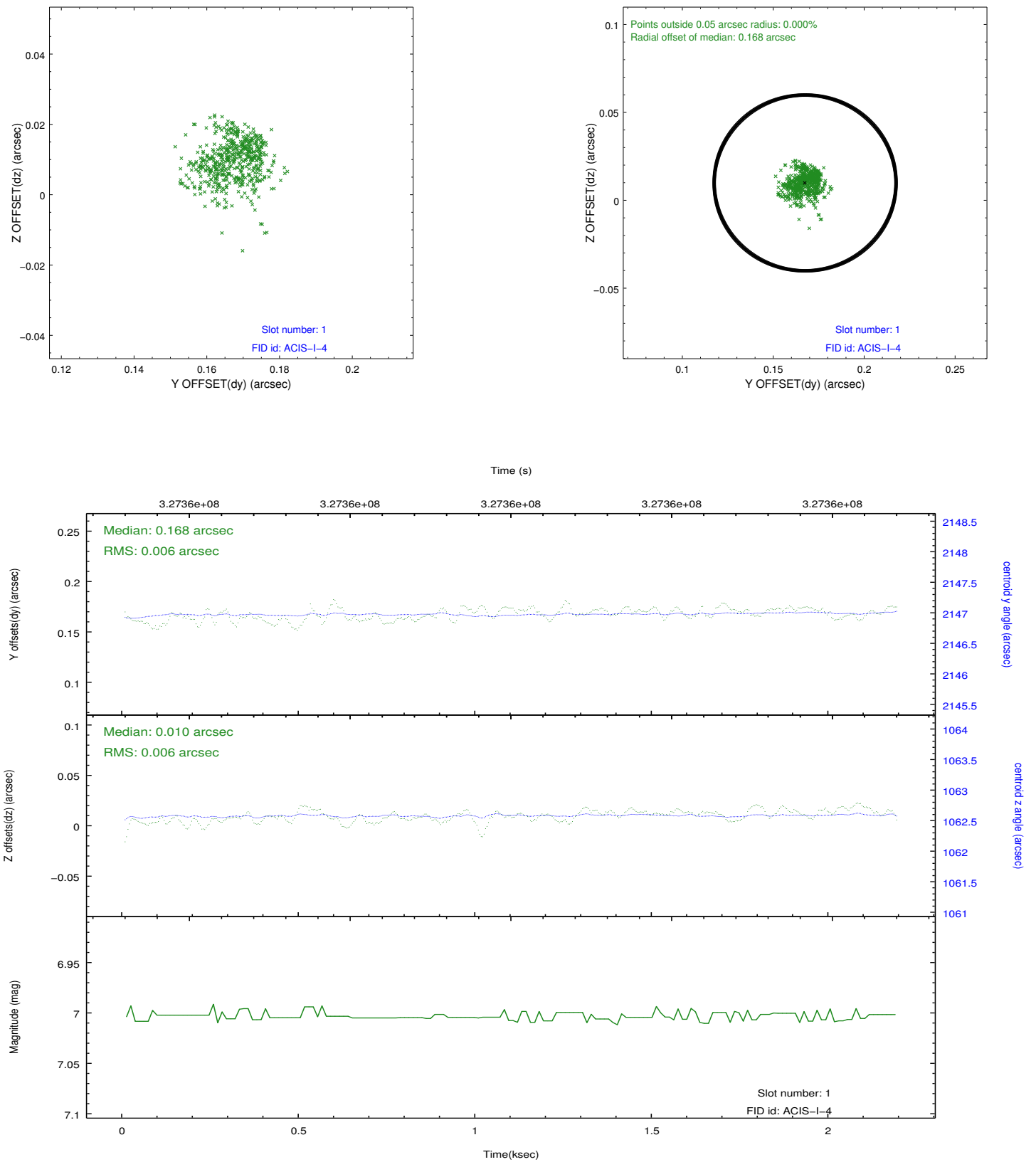


2.5 FID Slots

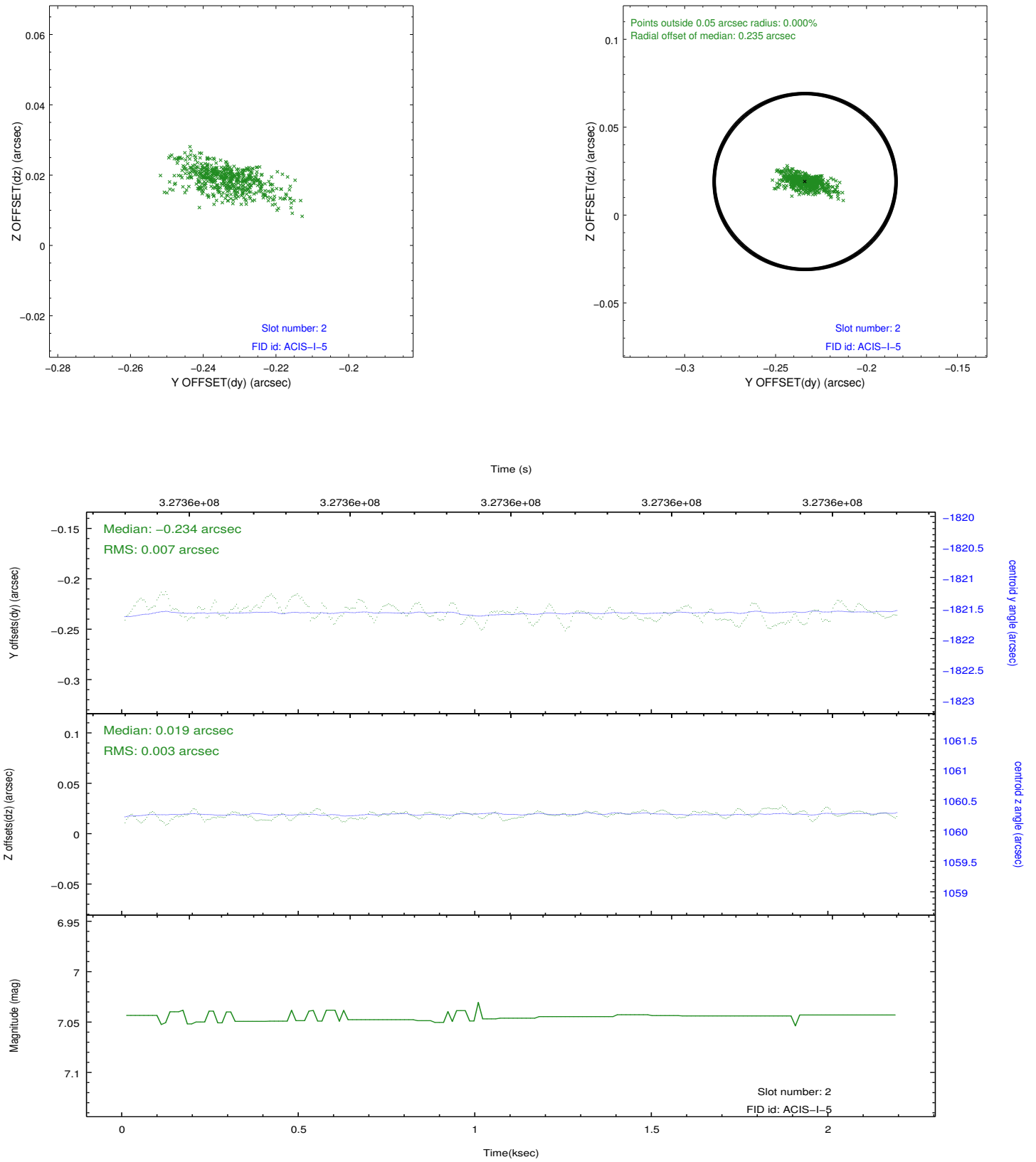
2.5.1 Slot 0



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	2.18545901

A.2 Comments