

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8677 - L2 Version 2
Chandra X-Ray Center

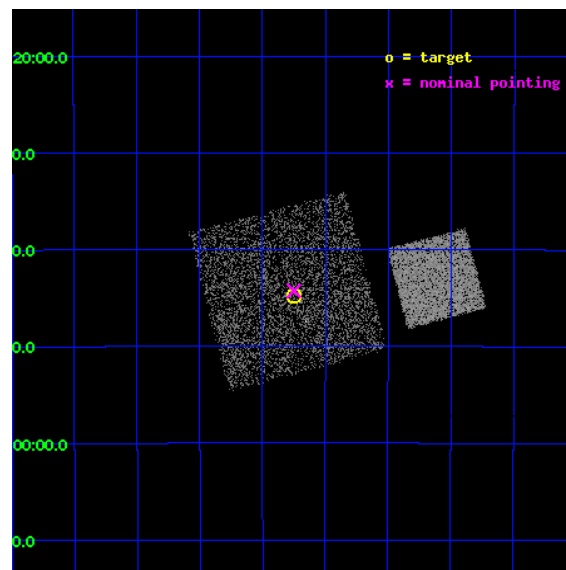
L2 Processing Date : May 15 2012

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1 Front

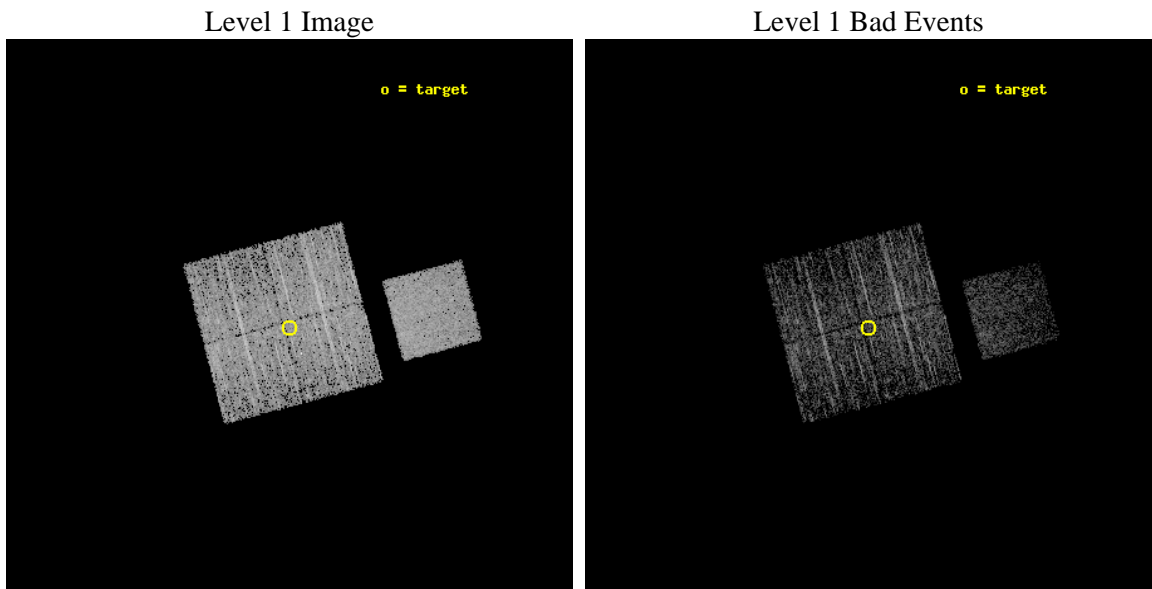
seq_num	400728	Sequence number
obs_id	8677	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.062945	Observer's specified target RA [deg]
dec_targ	-28.745829	Observer's specified target Dec [deg]
ra_nom	265.06248994449	Nominal RA [deg]
dec_nom	-28.737869839995	Nominal Dec [deg]
roll_nom	75.208478772852	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	16305	Number of level 2 events



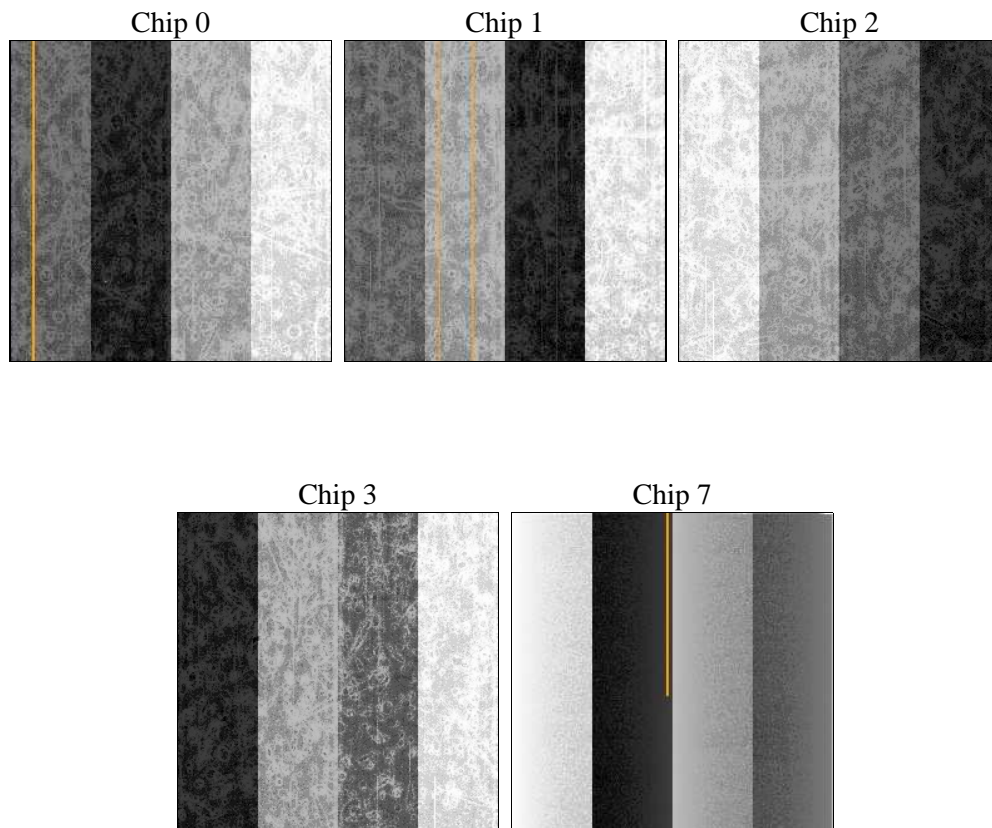
2 OBI

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	2185.5000168085	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-05-15T05:03:19	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	104765	Number of level 1 events

2.1.4 Events

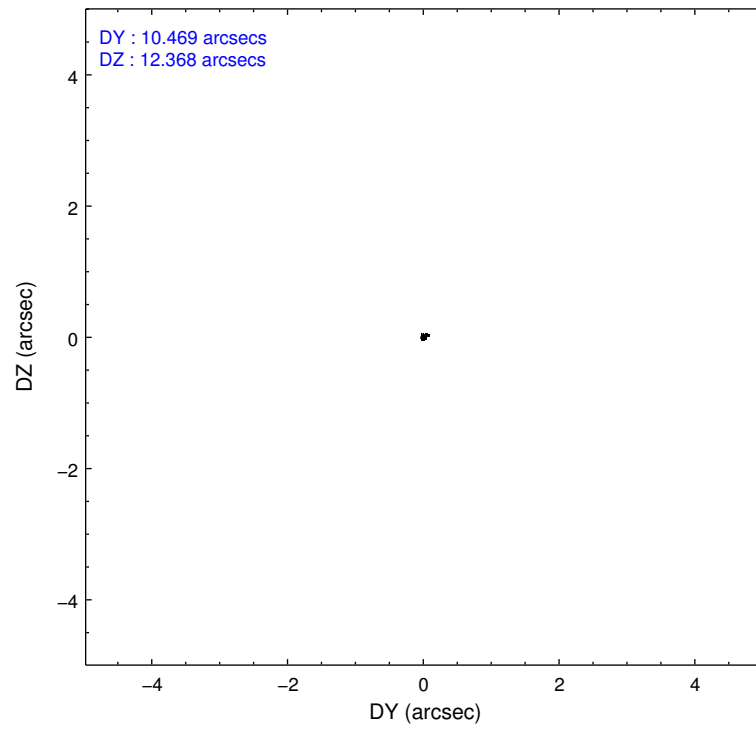
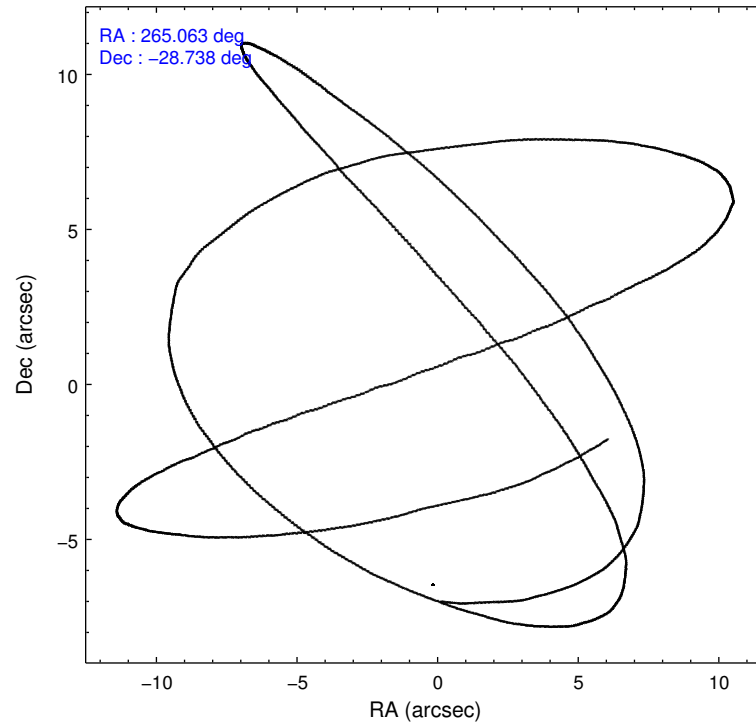
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18196	20392	23006	20560	22611
rejected events	16144	18101	21002	18366	13324
rejected %	88%	88%	91%	89%	58%

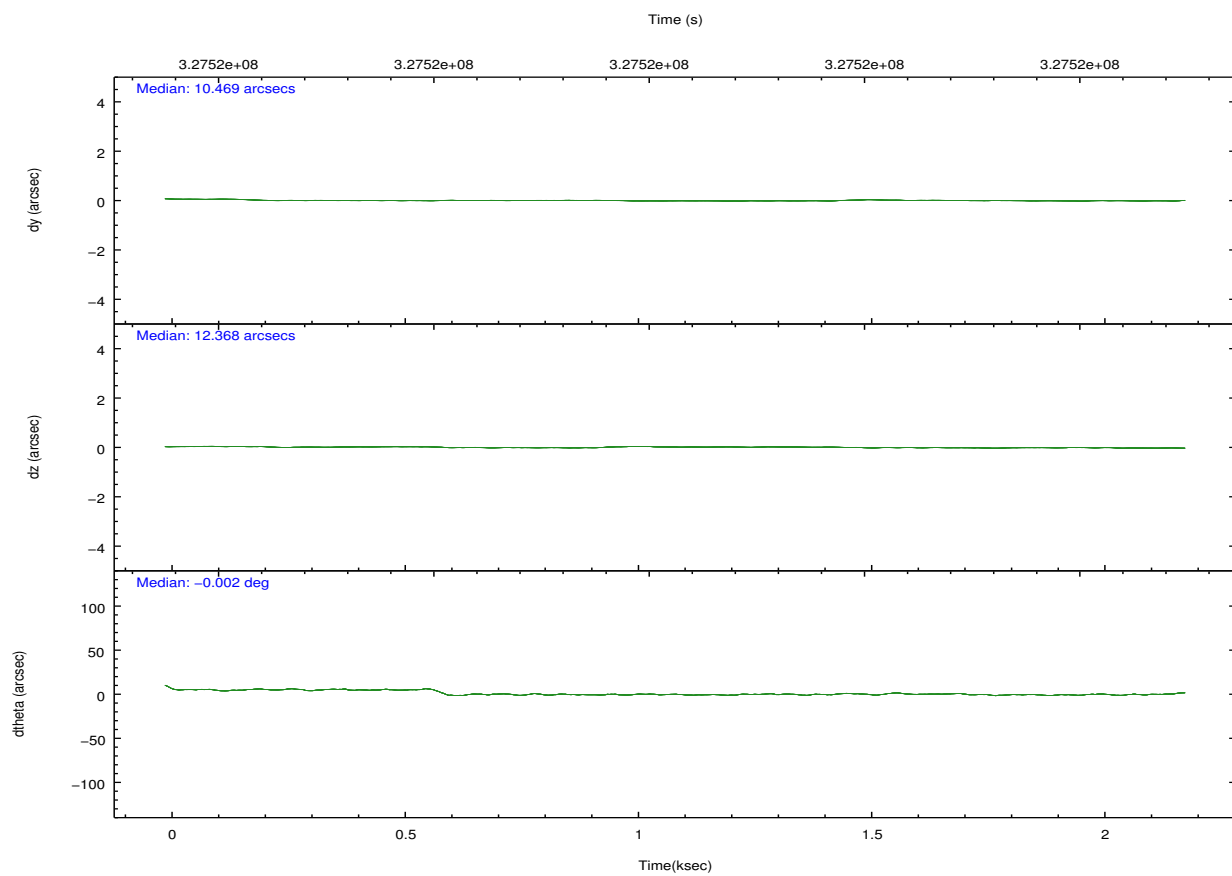
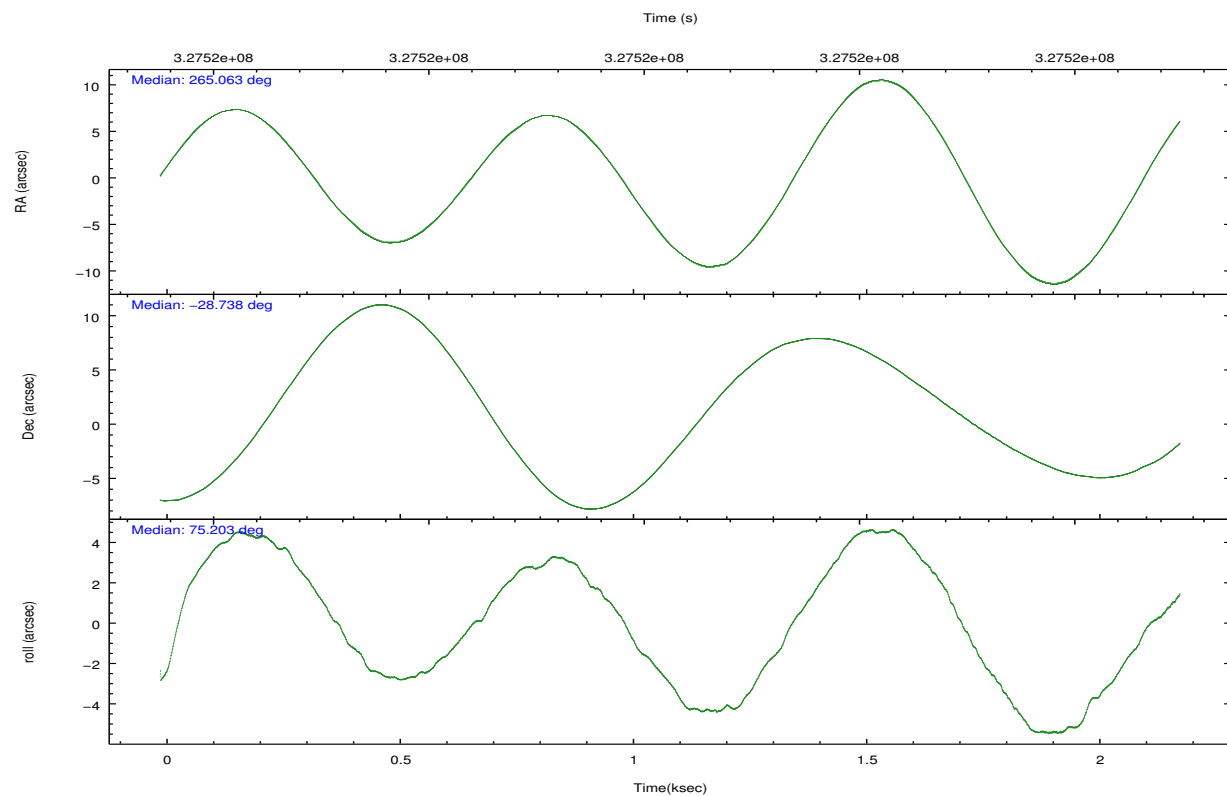
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	955	1111	991	1085	1042
	5%	5%	4%	5%	4%
grade 1 events	13	14	13	17	31
	0%	0%	0%	0%	0%
grade 2 events	535	574	490	512	2129
	2%	2%	2%	2%	9%
grade 3 events	236	246	228	226	1042
	1%	1%	0%	1%	4%
grade 4 events	228	234	206	244	986
	1%	1%	0%	1%	4%
grade 5 events	658	786	678	821	2360
	3%	3%	2%	3%	10%
grade 6 events	401	488	397	434	5419
	2%	2%	1%	2%	23%
grade 7 events	15170	16939	20003	17221	9602
	83%	83%	86%	83%	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	265.070894	265.0624899444943	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.764259	-28.73786983999524	CCD I3 on	Y	Y
[deg] Pointing Roll	75.003830	75.20847877285232	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)	327517643.184000	327517268.28534	CCD S5 on	N	N
Observation start date	2008-05-18T17:06:18	2008-05-18T17:01:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327519643.184000	327519777.48547	On-chip summing requested	N	N
Observation end date	2008-05-18T17:39:38	2008-05-18T17:42:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



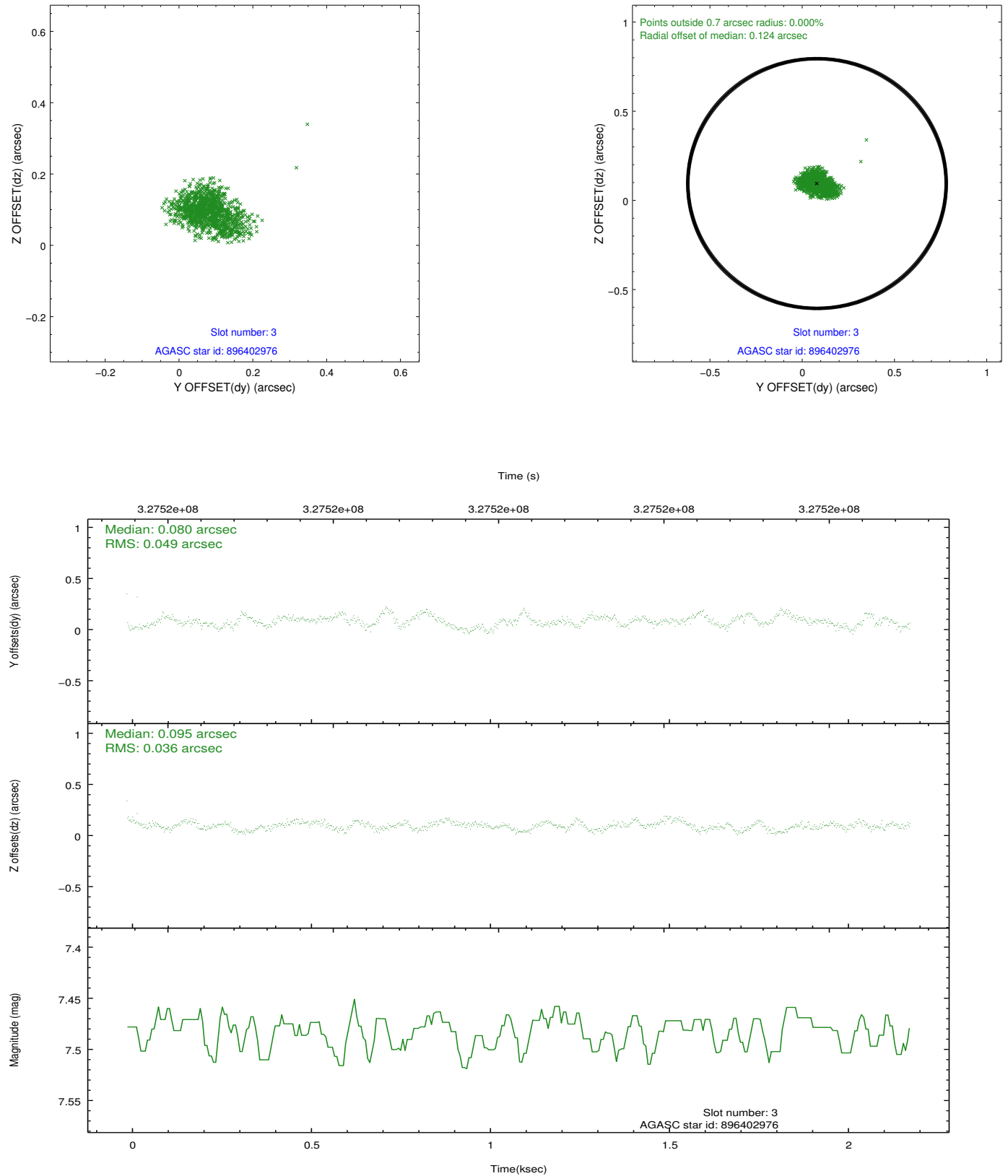


Slot Statistics

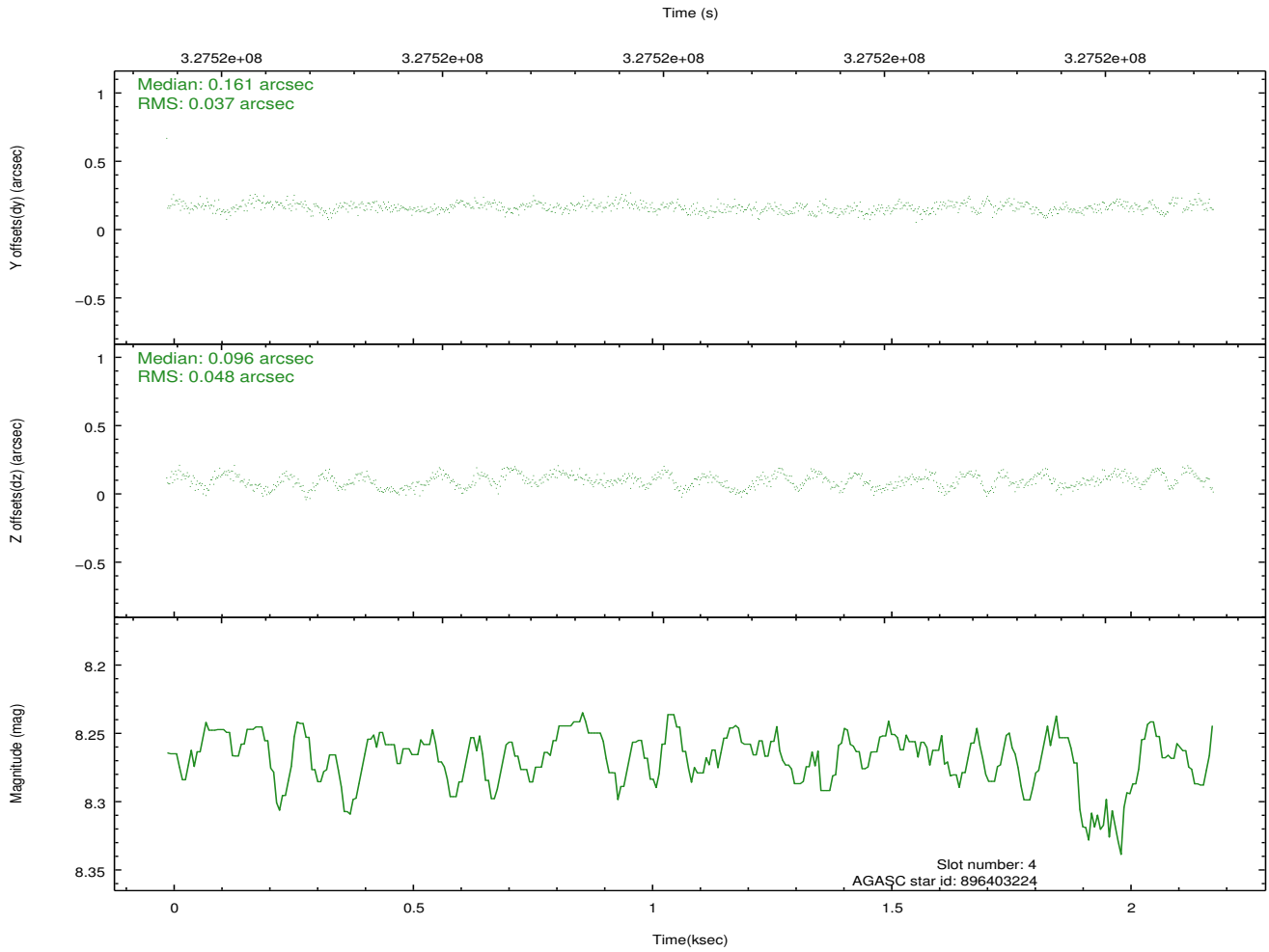
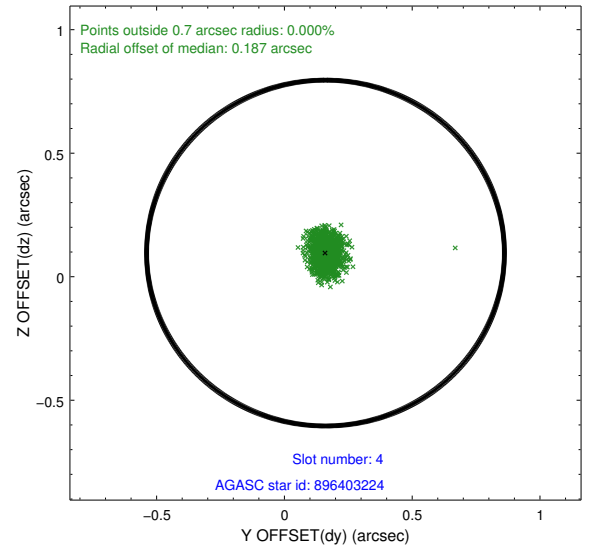
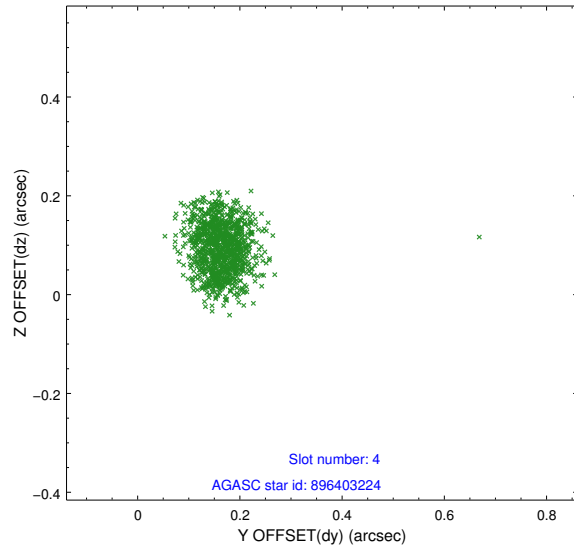
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.95	534	-0.079	-0.091	0.015	0.032	0.000000	0.000000	-765.14	-842.35
1	FID	ACIS-I-4	6.99	534	0.108	0.074	0.009	0.019	0.000000	0.000000	2147.75	1062.48
2	FID	ACIS-I-5	7.04	534	-0.129	0.086	0.013	0.030	0.000000	0.000000	-1815.20	1063.73
3	GUIDE	896402976	7.48	1067	0.080	0.095	0.064	0.103	265.099474	-28.923203	-528.62	-235.06
4	GUIDE	896403224	8.27	1065	0.161	0.096	0.063	0.098	265.612825	-29.438915	-1909.84	-2271.22
5	GUIDE	896404568	7.86	1068	-0.109	0.172	0.061	0.094	265.687293	-28.431080	1657.64	-1577.76
6	GUIDE	896405616	7.82	1064	-0.061	-0.091	0.059	0.089	264.752771	-28.412560	962.38	1299.16
7	GUIDE	896405048	8.27	1067	-0.074	-0.265	0.059	0.091	264.482575	-28.152230	1641.99	2373.85

2.4 Star Slots

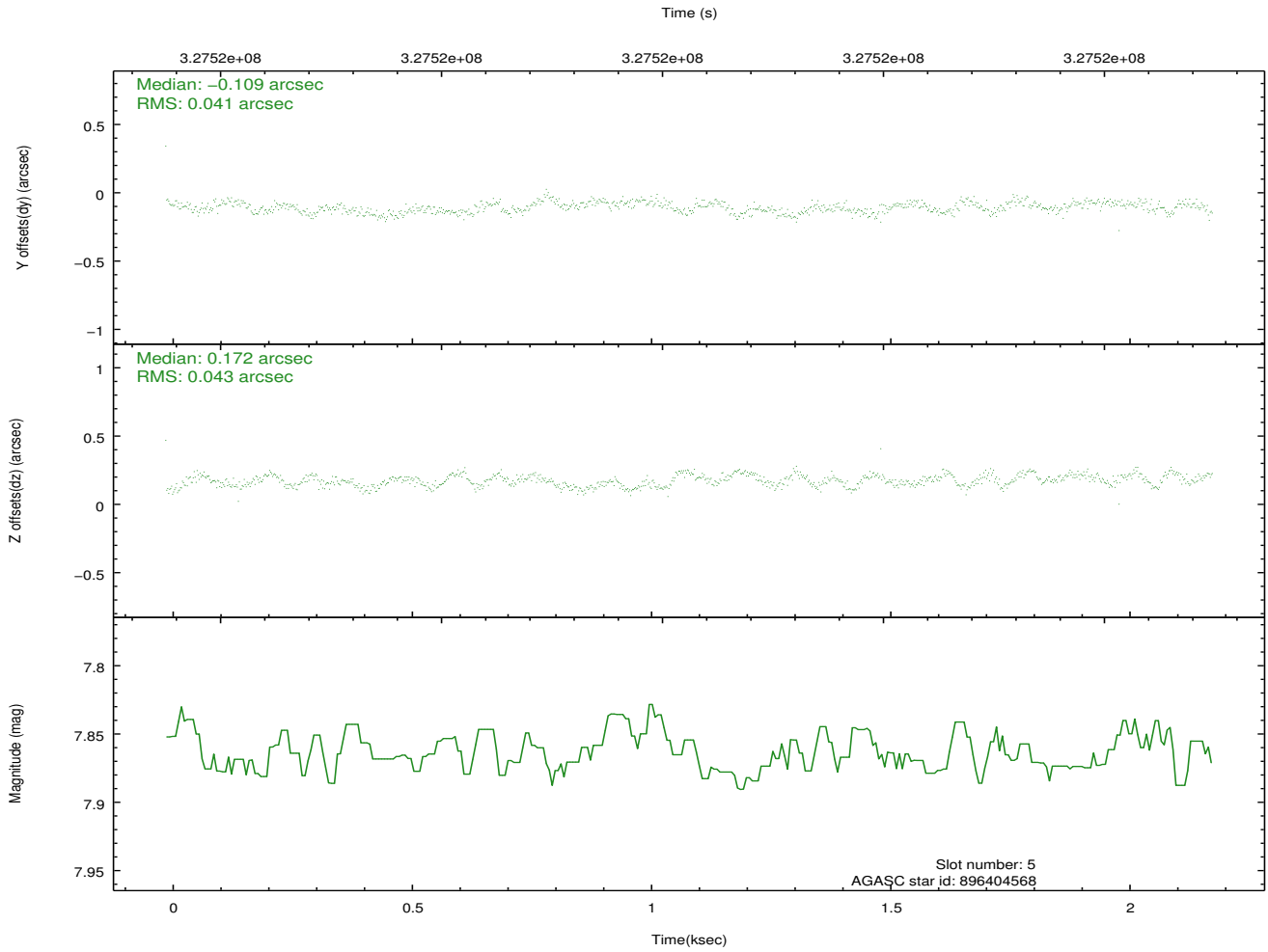
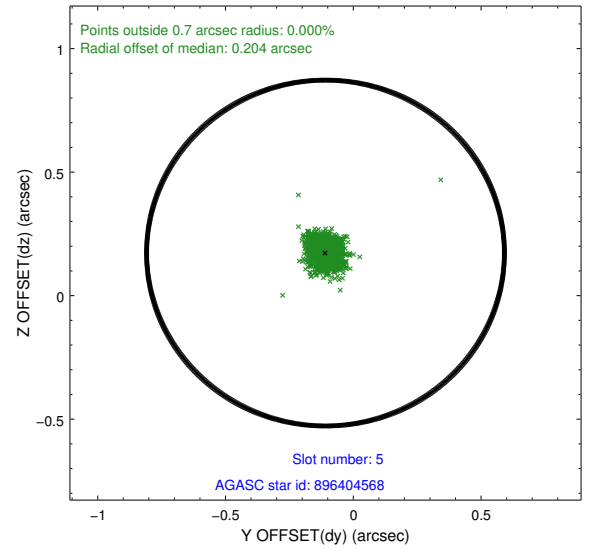
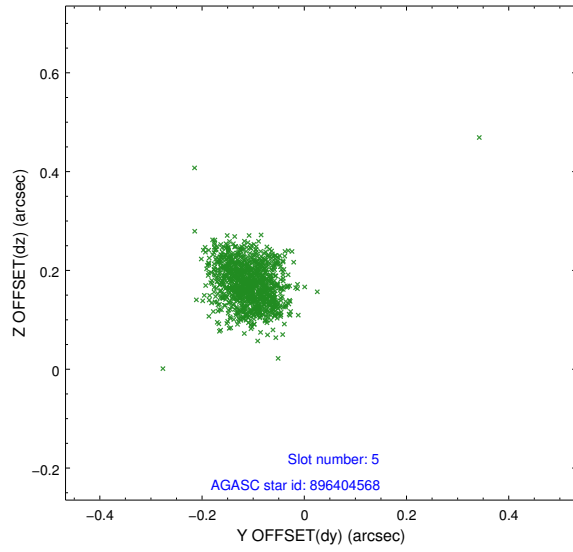
2.4.1 Slot 3



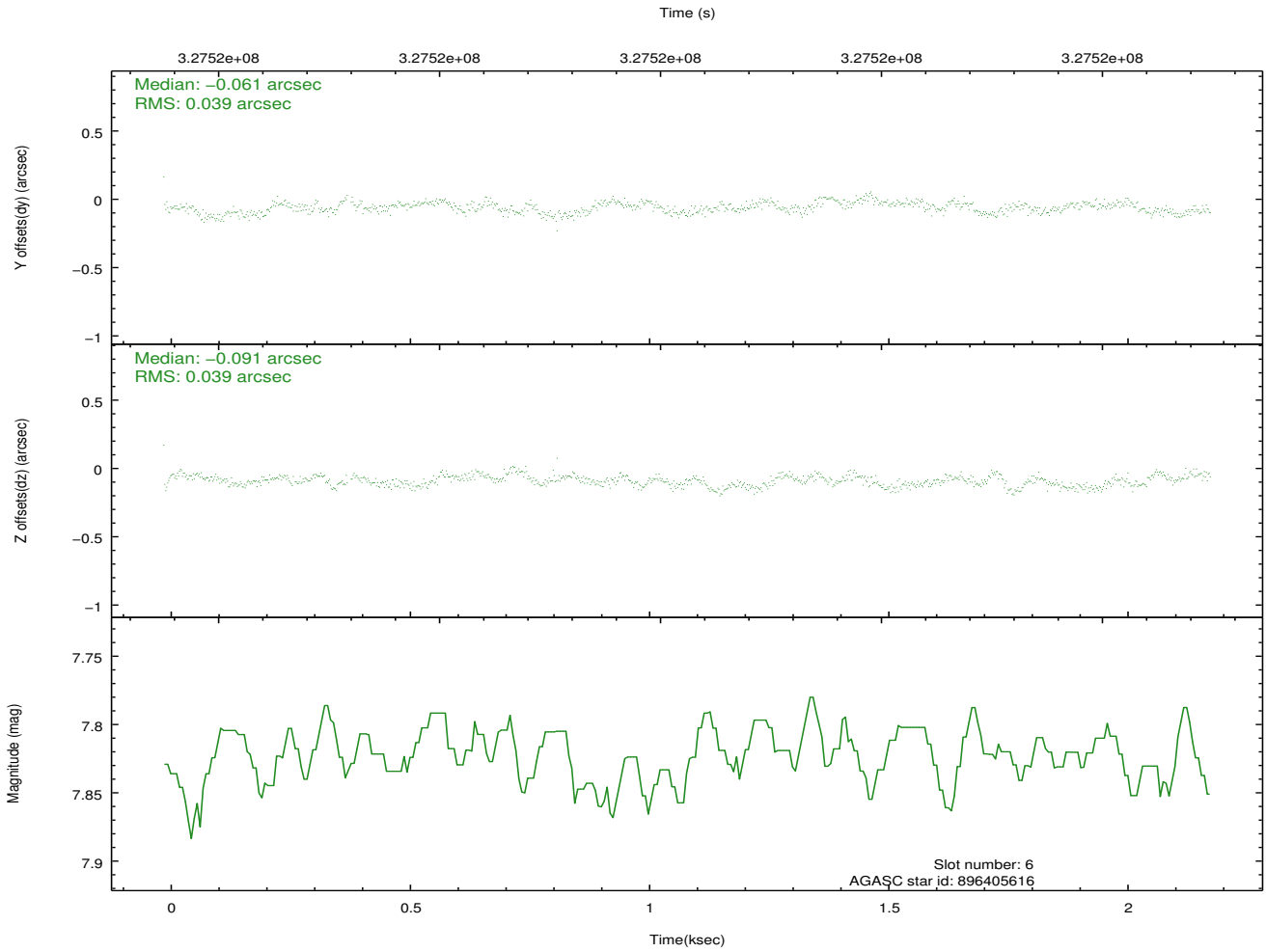
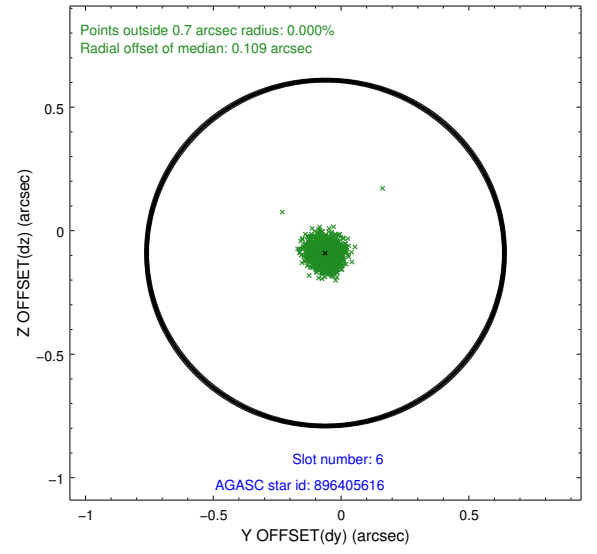
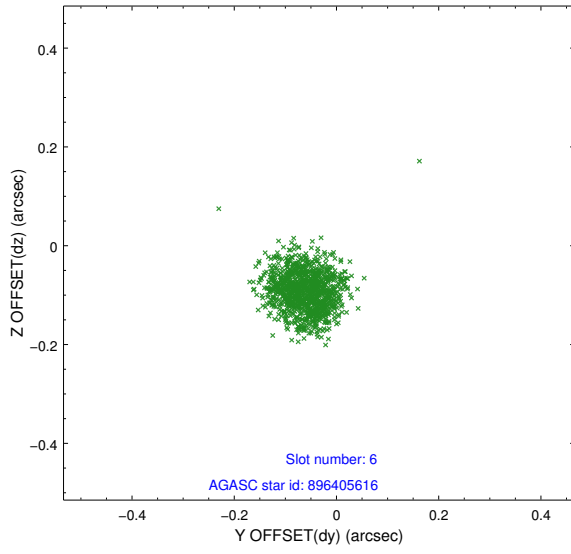
2.4.2 Slot 4



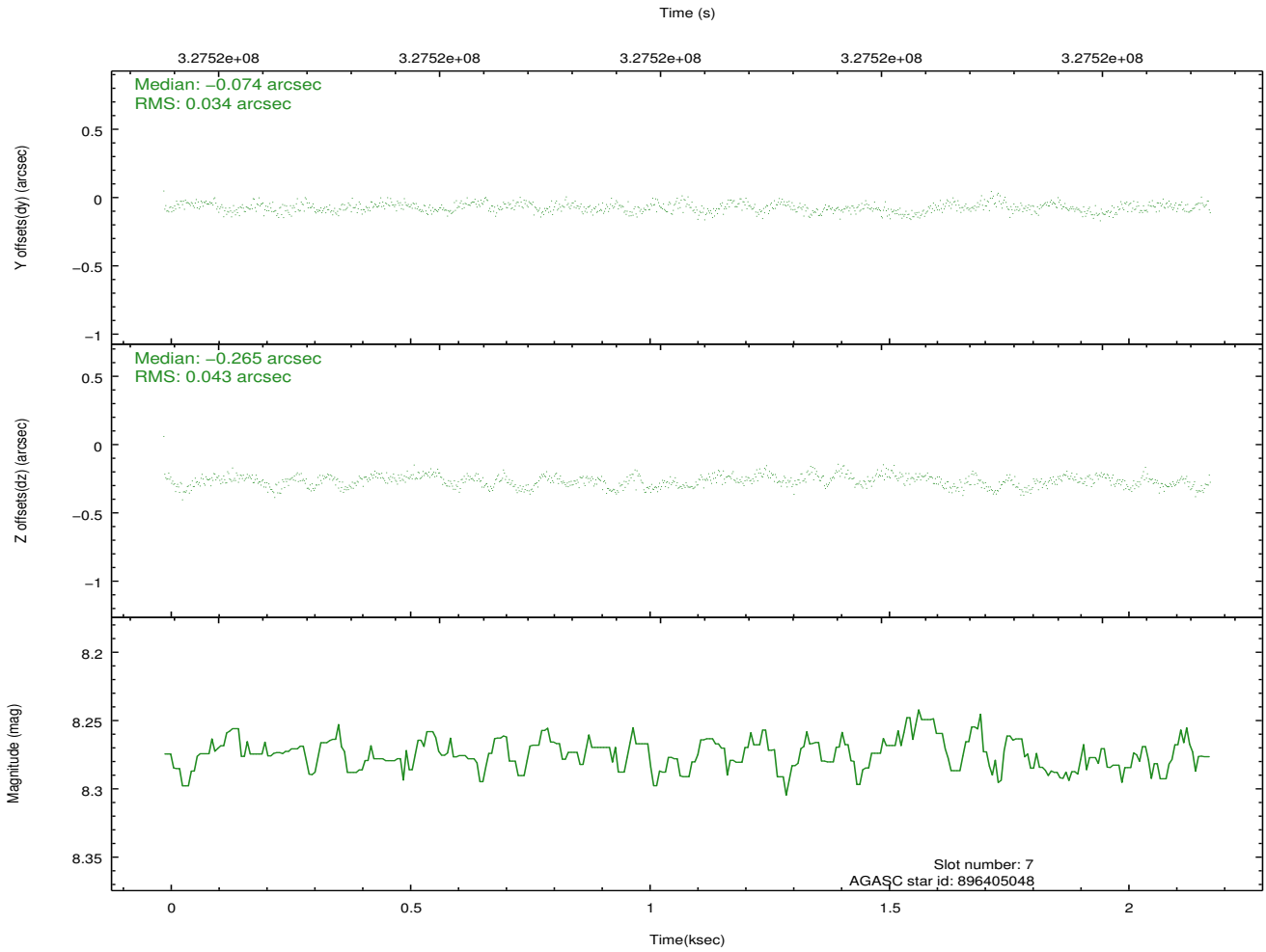
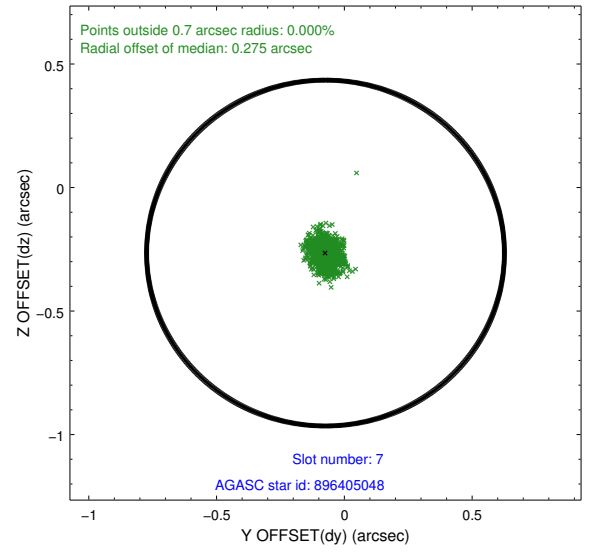
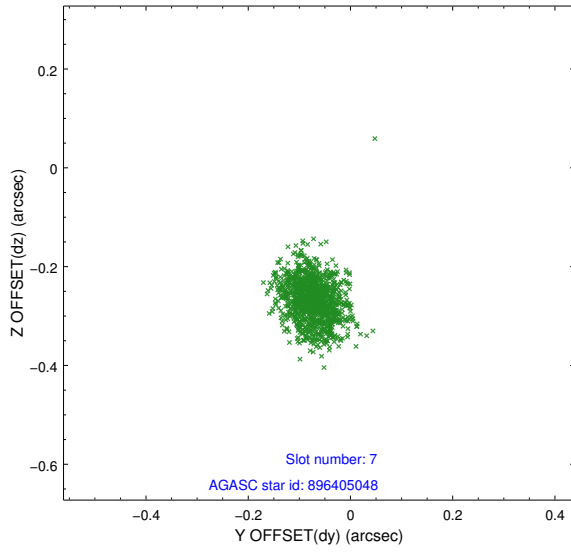
2.4.3 Slot 5



2.4.4 Slot 6

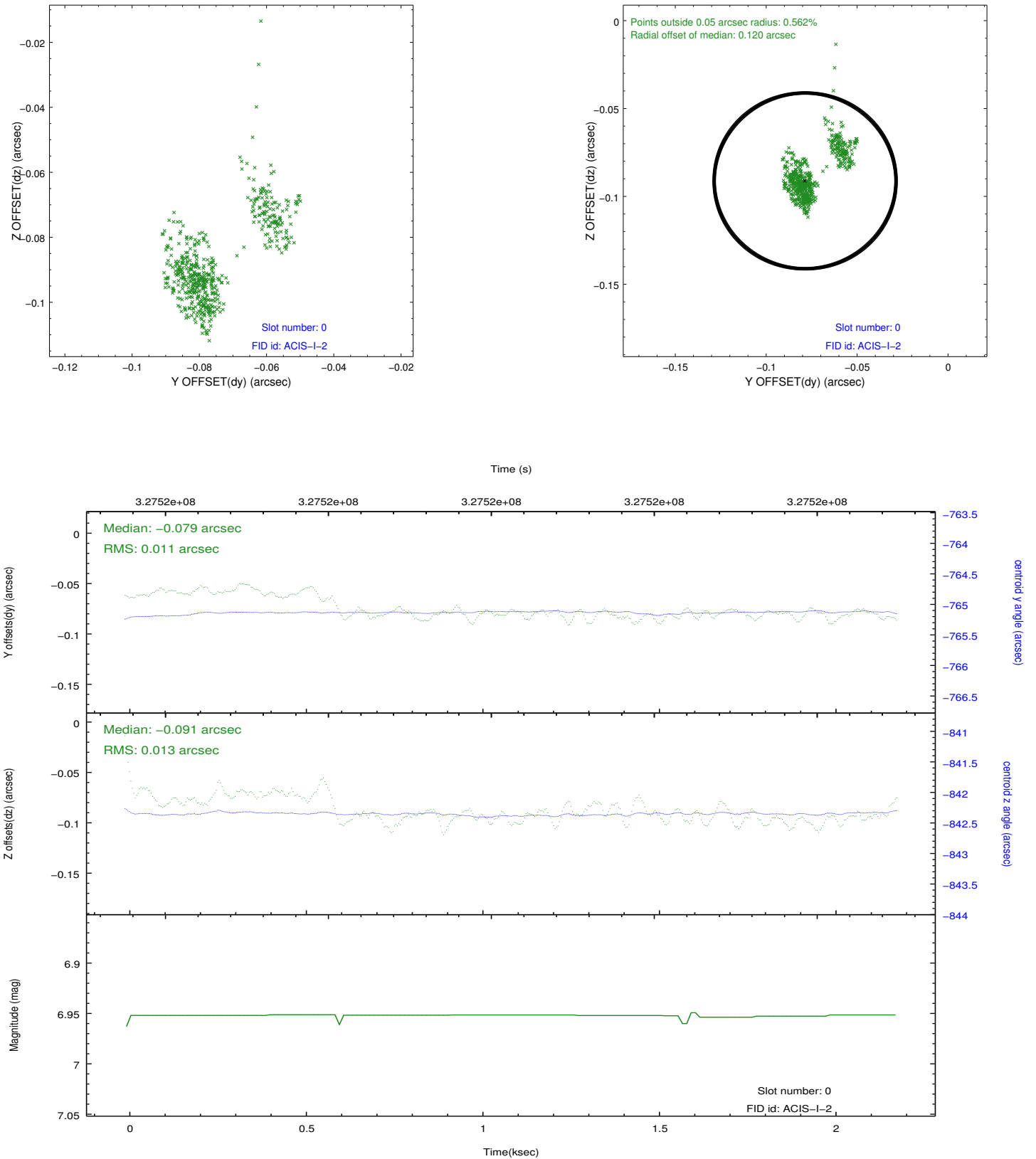


2.4.5 Slot 7

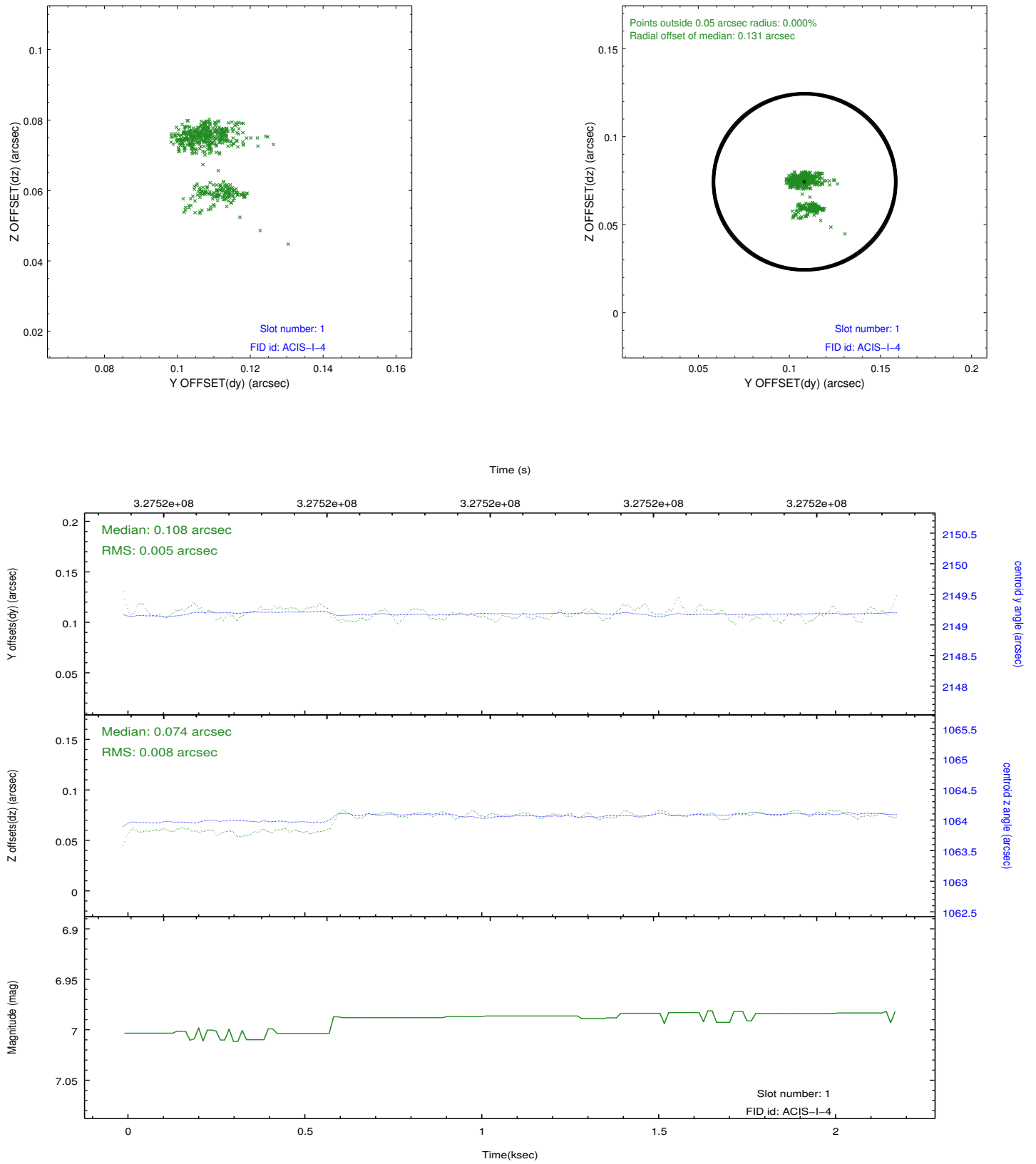


2.5 FID Slots

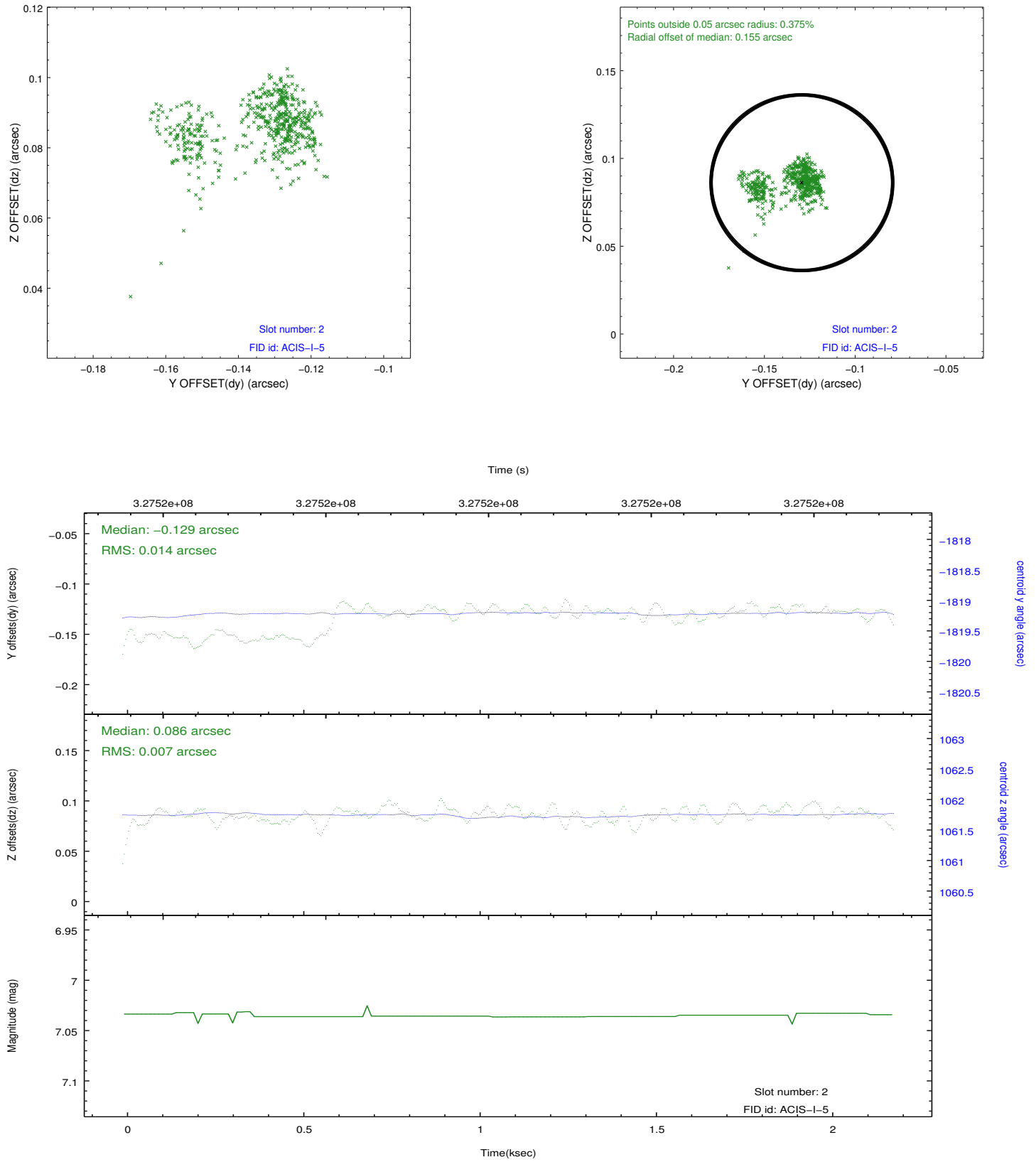
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18550001

A.2 Comments