

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8675 - L2 Version 2
Chandra X-Ray Center

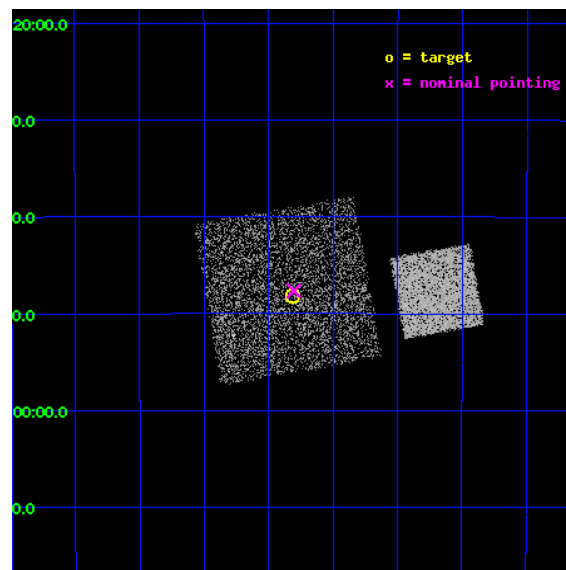
L2 Processing Date : May 14 2012

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1 Front

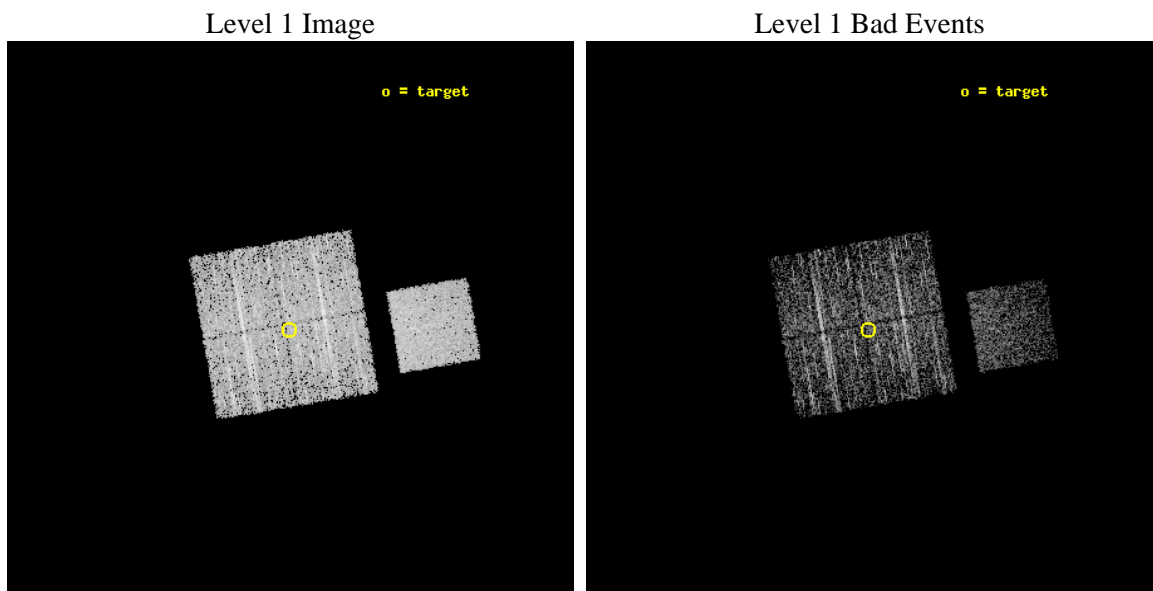
seq_num	400726	Sequence number
obs_id	8675	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.577076	Observer's specified target RA [deg]
dec_targ	-25.802118	Observer's specified target Dec [deg]
ra_nom	266.57585360478	Nominal RA [deg]
dec_nom	-25.794179322964	Nominal Dec [deg]
roll_nom	80.208159493122	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	15760	Number of level 2 events



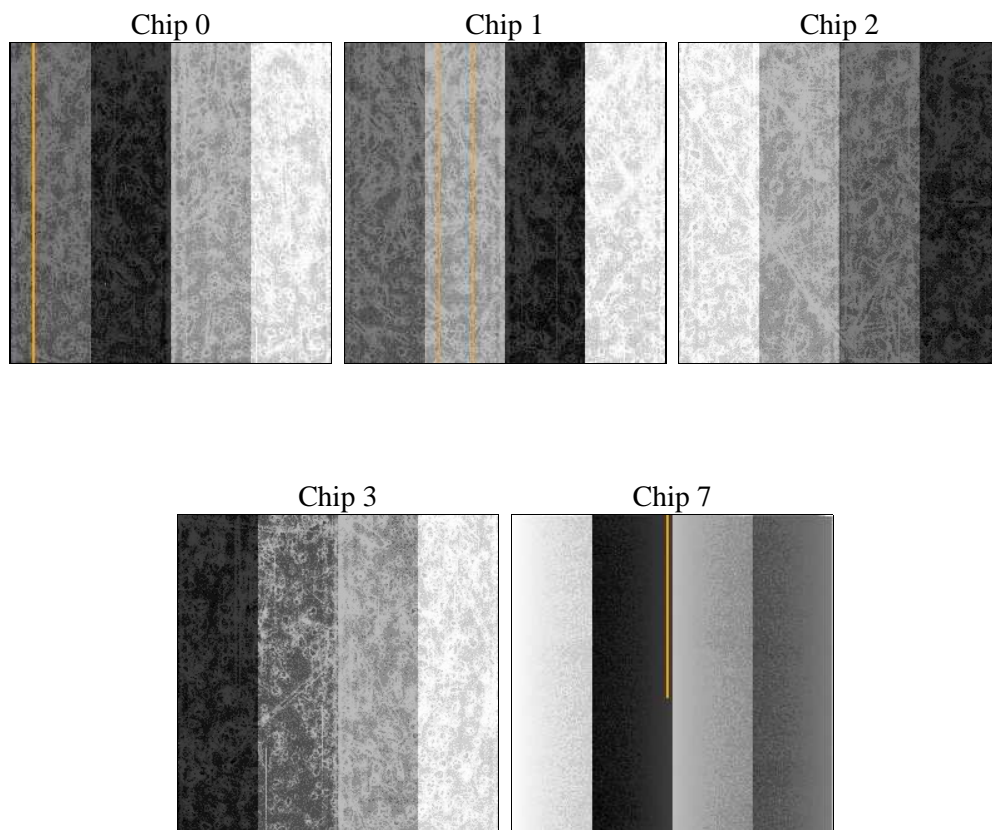
2 OBI

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	2012-05-15T02:51:47	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	101181	Number of level 1 events

2.1.4 Events

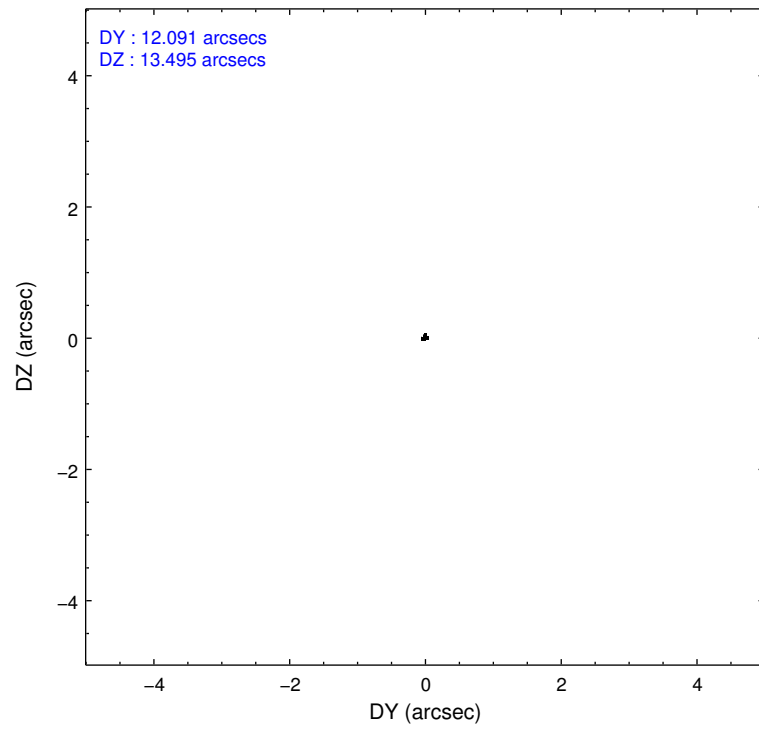
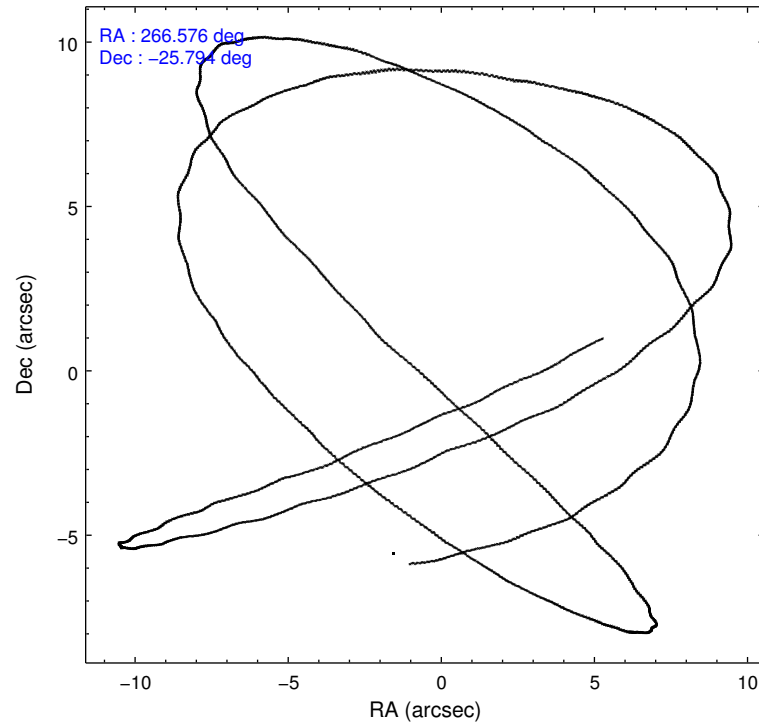
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18874	19418	20345	19925	22619
rejected events	16815	17028	18356	18048	13597
rejected %	89%	87%	90%	90%	60%

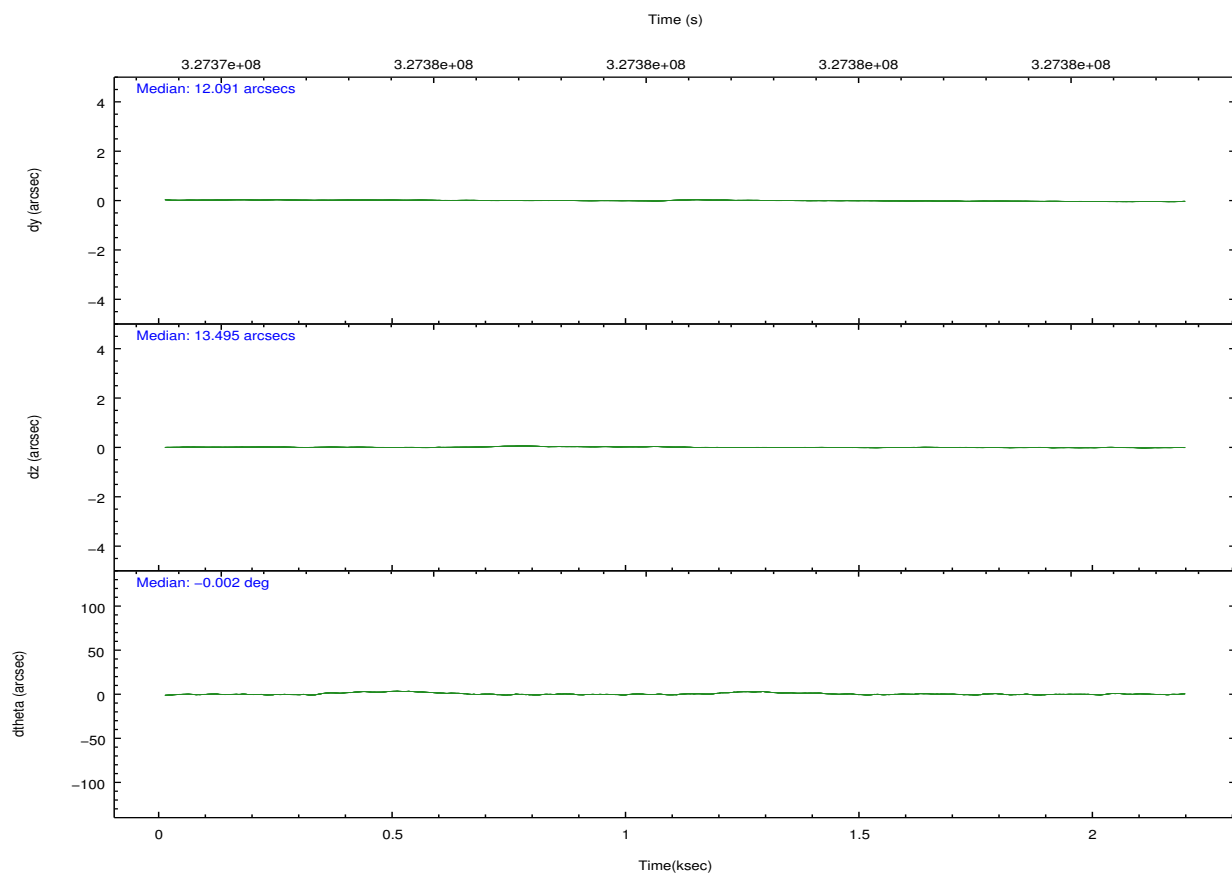
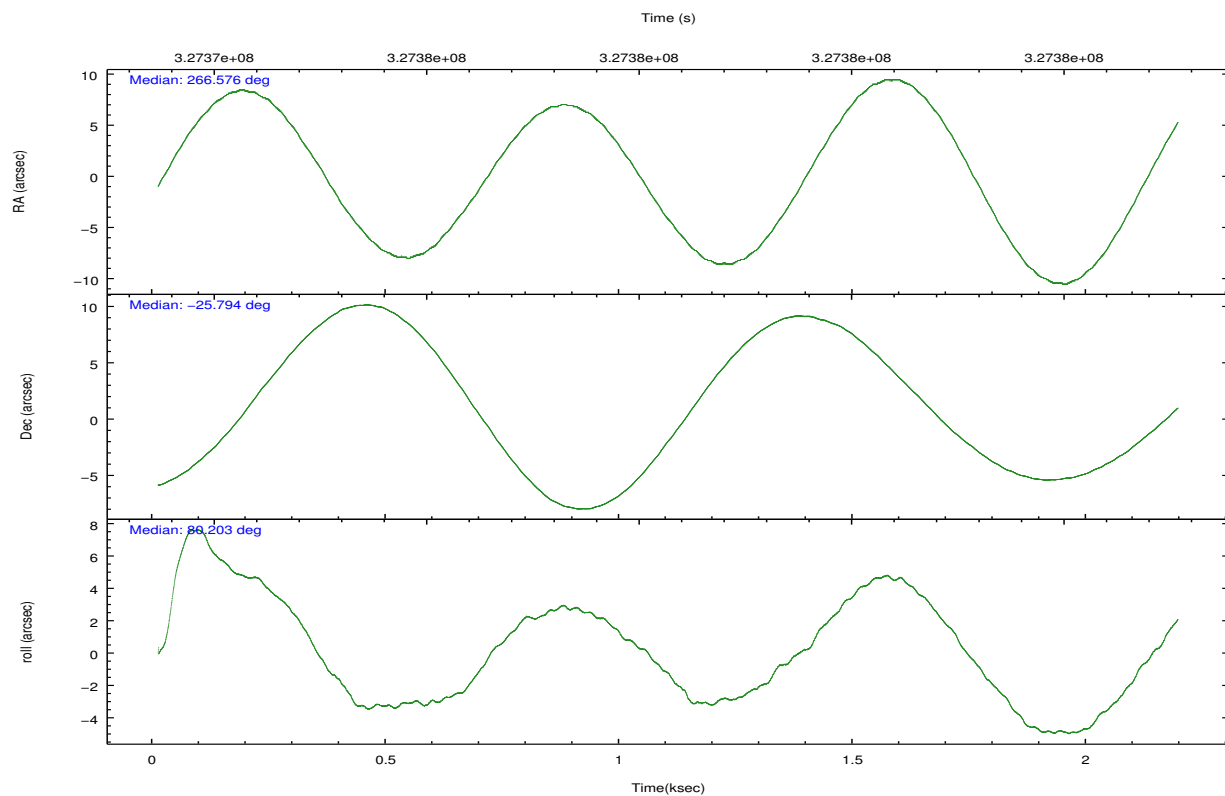
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	983	1116	915	909	1001
	5%	5%	4%	4%	4%
grade 1 events	10	11	10	13	26
	0%	0%	0%	0%	0%
grade 2 events	550	559	537	465	2088
	2%	2%	2%	2%	9%
grade 3 events	236	277	222	228	976
	1%	1%	1%	1%	4%
grade 4 events	234	256	260	205	946
	1%	1%	1%	1%	4%
grade 5 events	686	762	699	768	2428
	3%	3%	3%	3%	10%
grade 6 events	394	522	382	374	5335
	2%	2%	1%	1%	23%
grade 7 events	15781	15915	17320	16963	9819
	83%	81%	85%	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	266.586573	266.5758536047773	CCD I2 on	Y	Y
[deg] Pointing Dec	-25.819869	-25.79417932296407	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004138	80.20815949312242	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)	327374663.184000	327374287.44087	CCD S5 on	N	N
Observation start date	2008-05-17T01:23:18	2008-05-17T01:18:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327376663.184000	327376797.1535	On-chip summing requested	N	N
Observation end date	2008-05-17T01:56:38	2008-05-17T01:59:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



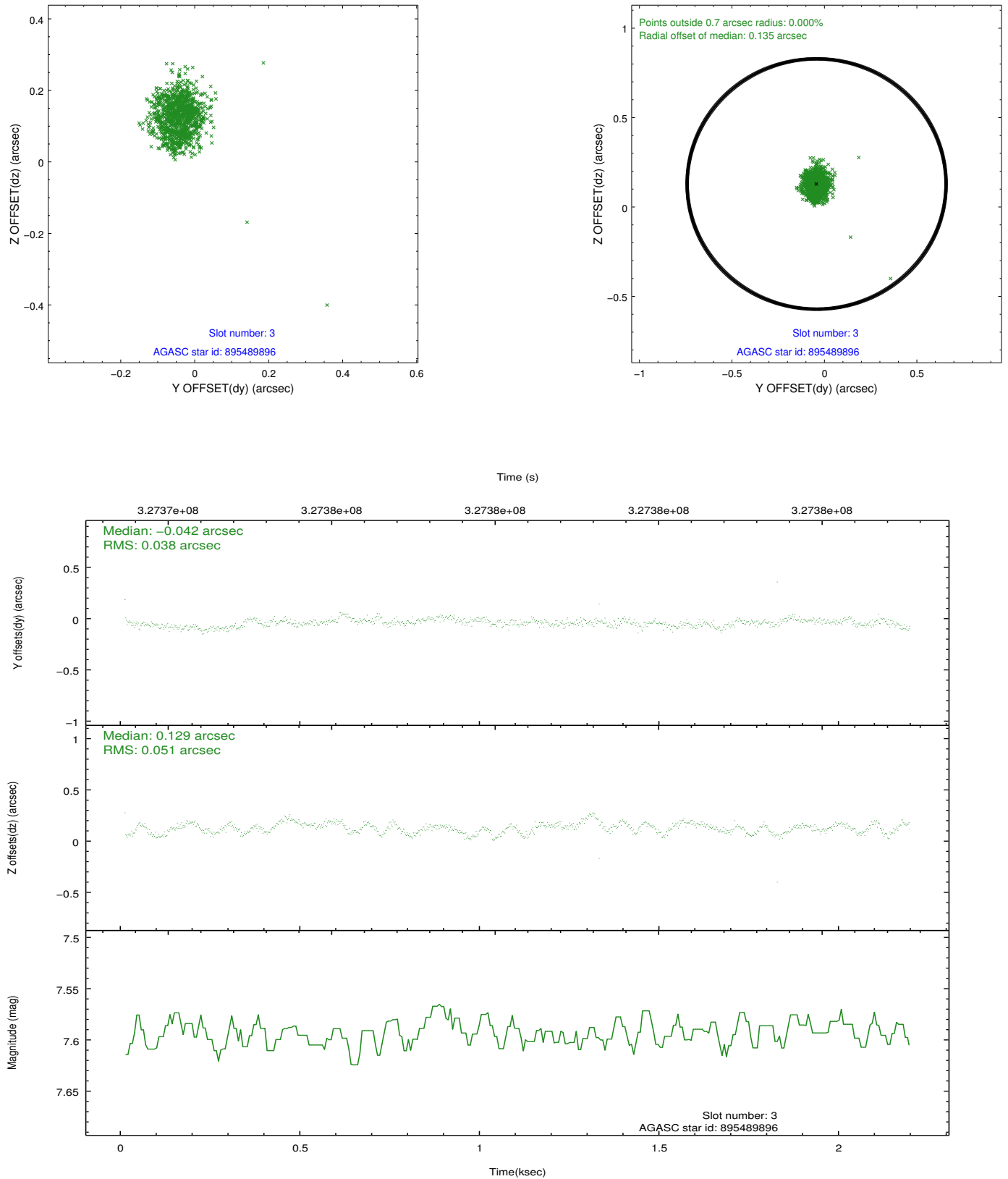


Slot Statistics

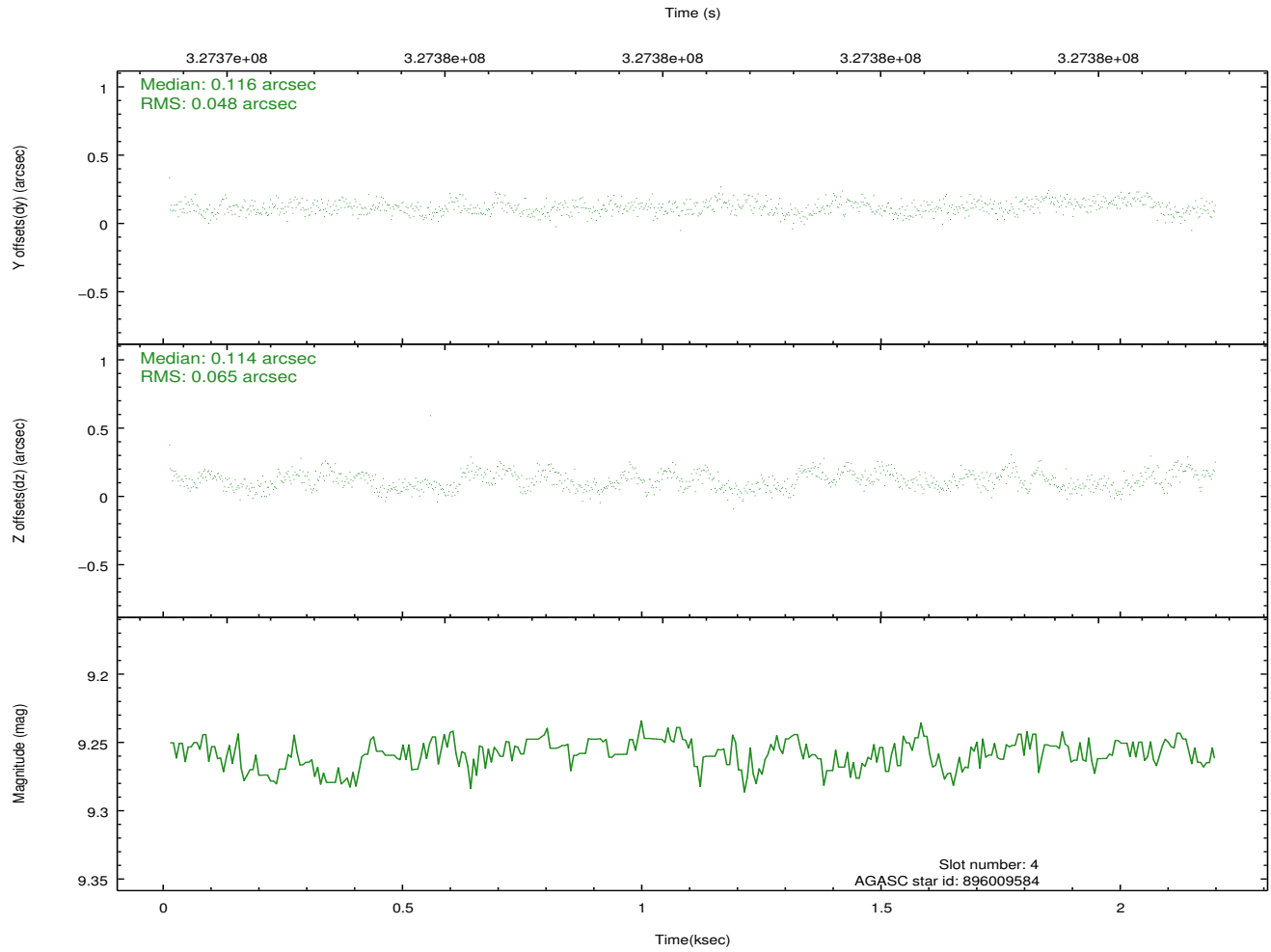
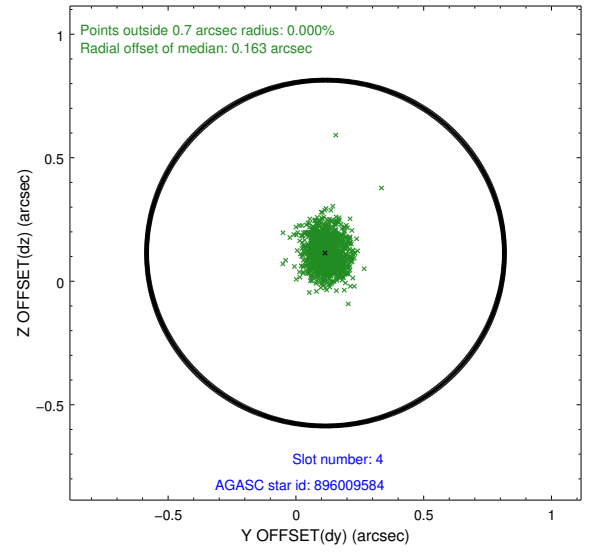
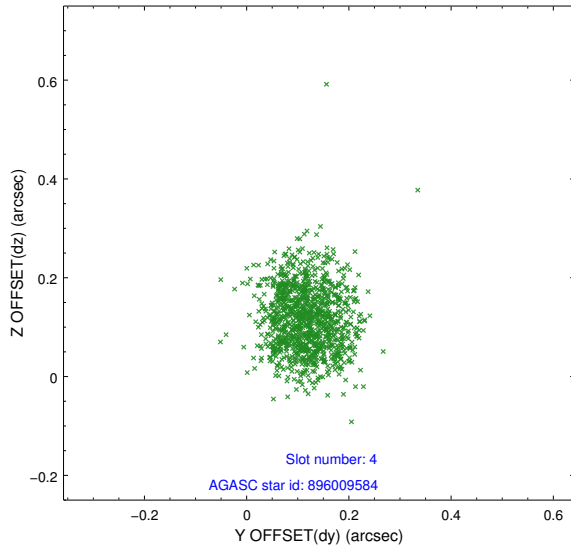
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	533	0.010	0.040	0.010	0.022	0.000000	0.000000	927.46	-837.02
1	FID	ACIS-I-5	7.06	533	-0.158	0.038	0.010	0.020	0.000000	0.000000	-1819.16	1058.97
2	FID	ACIS-I-6	7.06	533	0.057	-0.009	0.009	0.018	0.000000	0.000000	389.80	1706.81
3	GUIDE	895489896	7.59	1067	-0.042	0.129	0.063	0.100	266.605795	-26.200300	-1337.52	-298.76
4	GUIDE	896009584	9.26	1067	0.116	0.114	0.086	0.136	266.891313	-26.347528	-1701.78	-1298.35
5	GUIDE	896015112	9.18	1067	0.058	0.118	0.078	0.122	266.684847	-26.286161	-1599.23	-604.94
6	GUIDE	896015880	8.51	1067	-0.081	-0.204	0.067	0.107	265.986633	-26.306686	-2067.65	1600.96
7	GUIDE	895489704	8.76	1066	-0.054	-0.154	0.065	0.106	266.328076	-25.361339	1476.71	1115.88

2.4 Star Slots

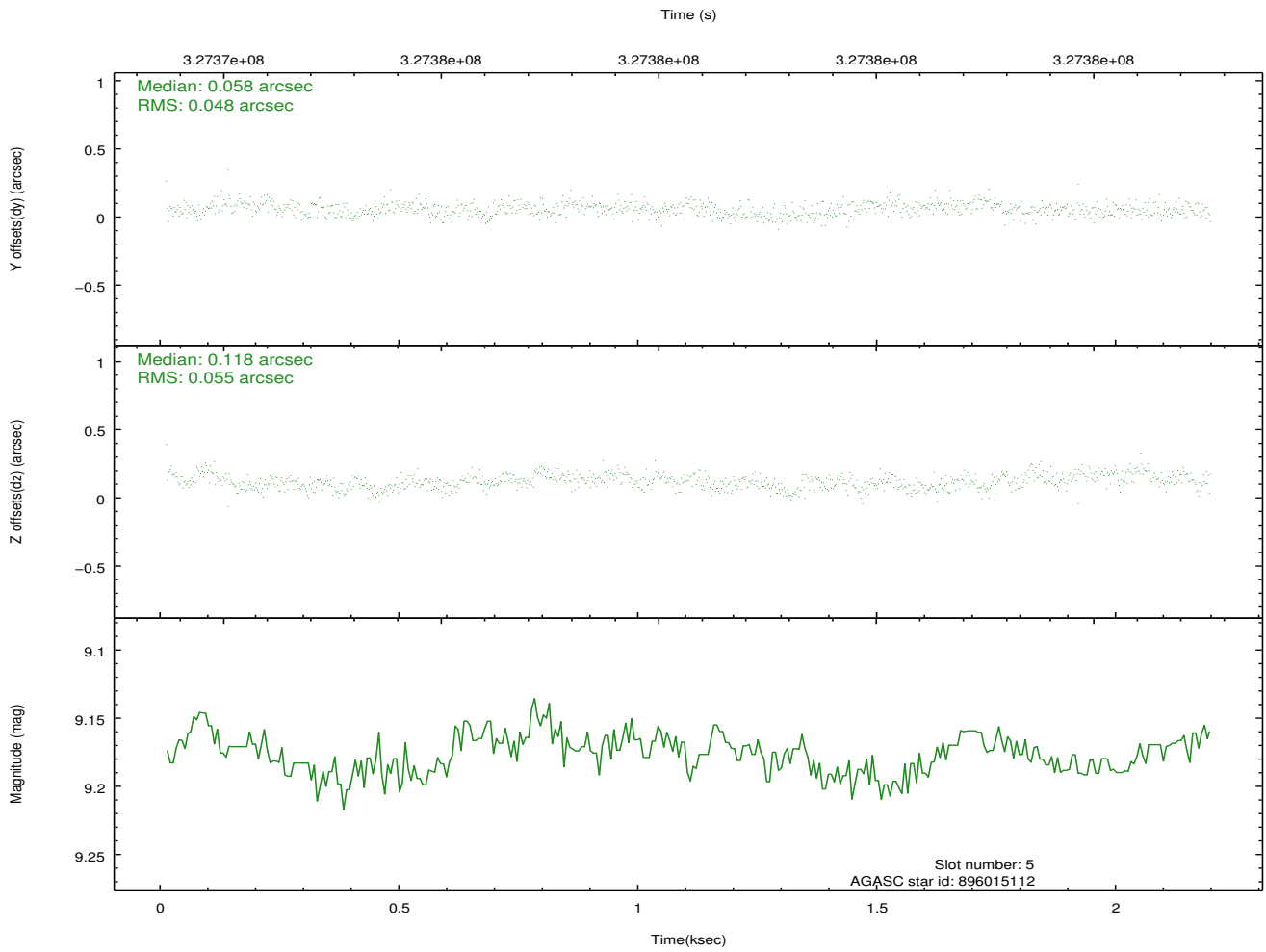
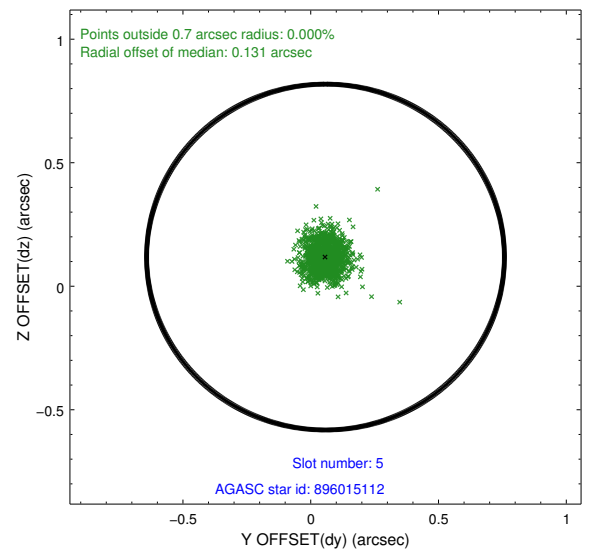
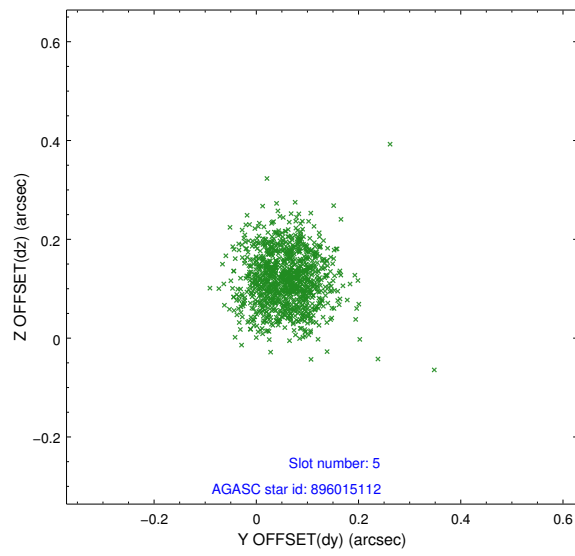
2.4.1 Slot 3



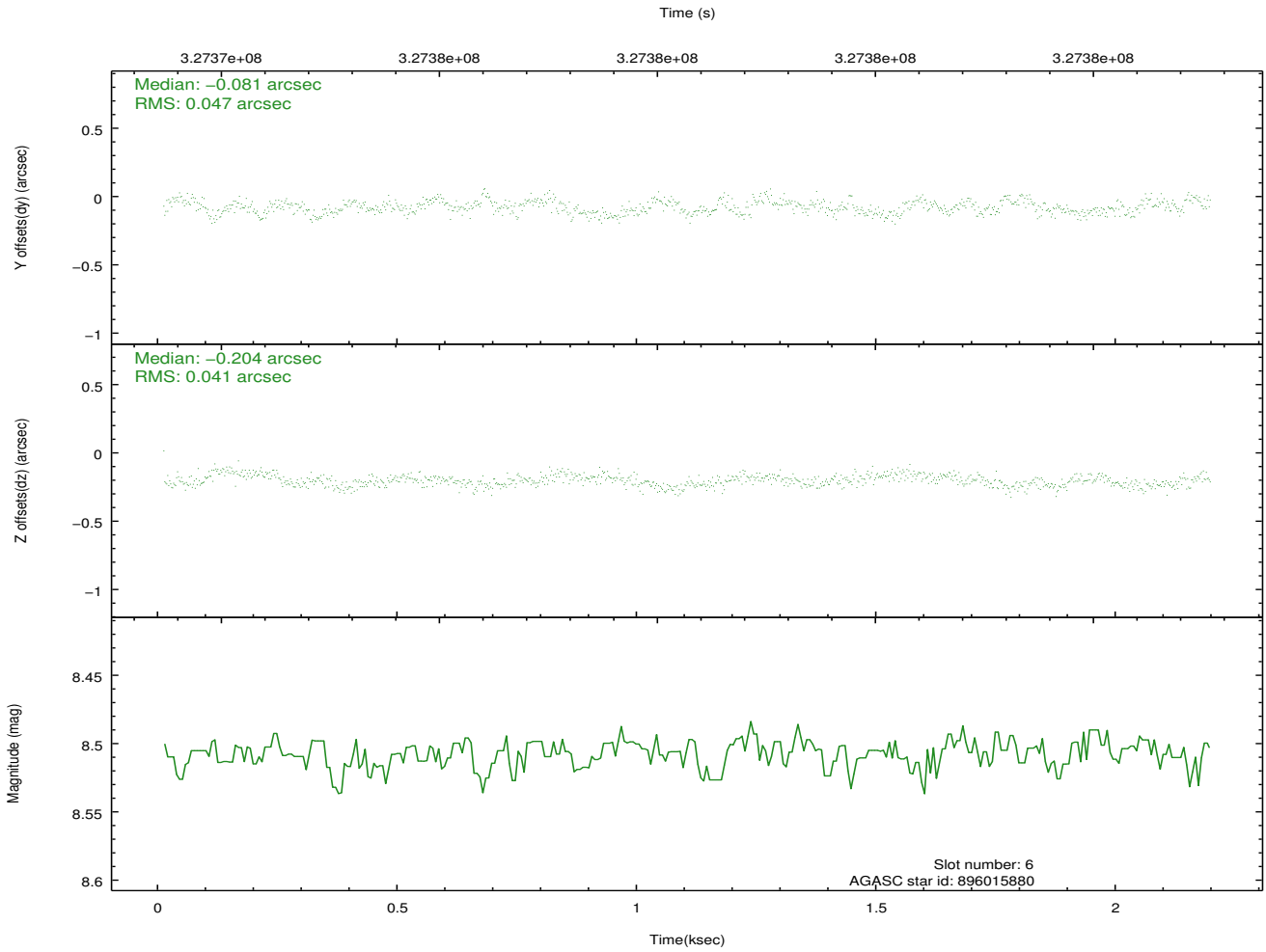
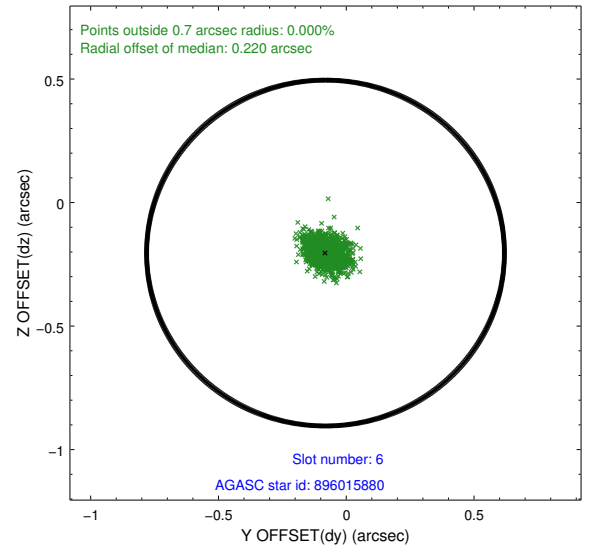
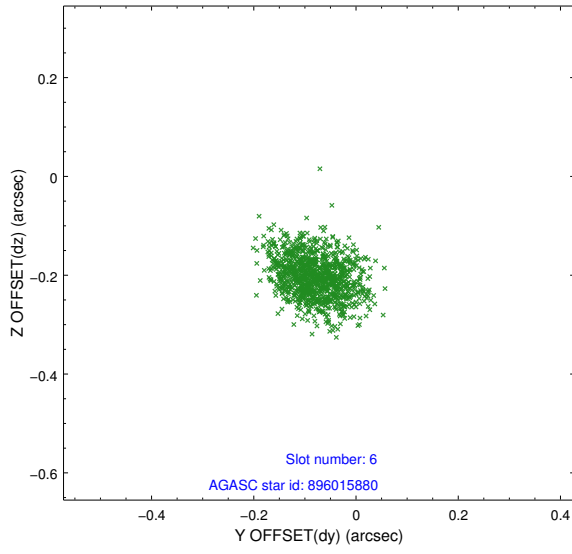
2.4.2 Slot 4



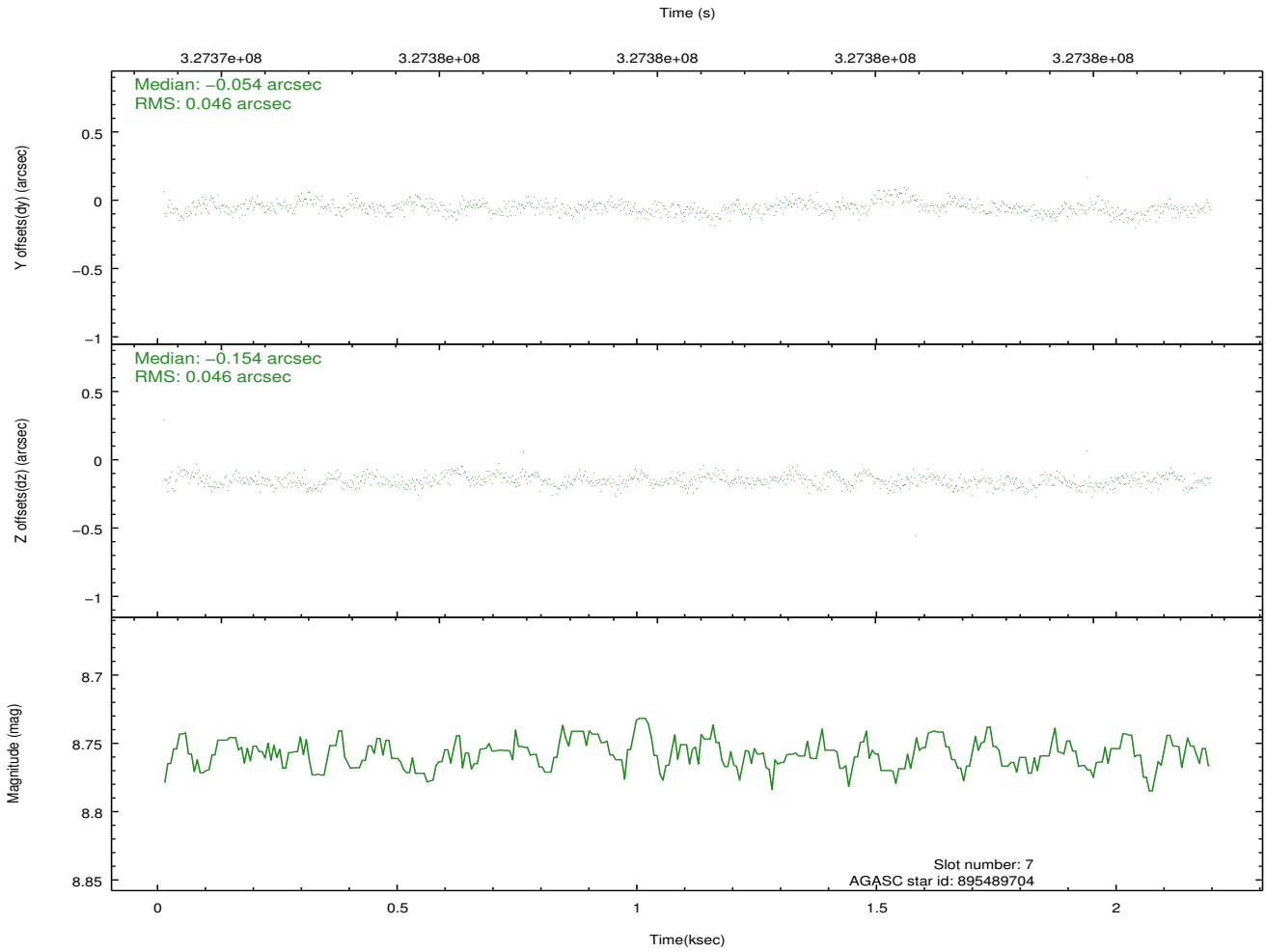
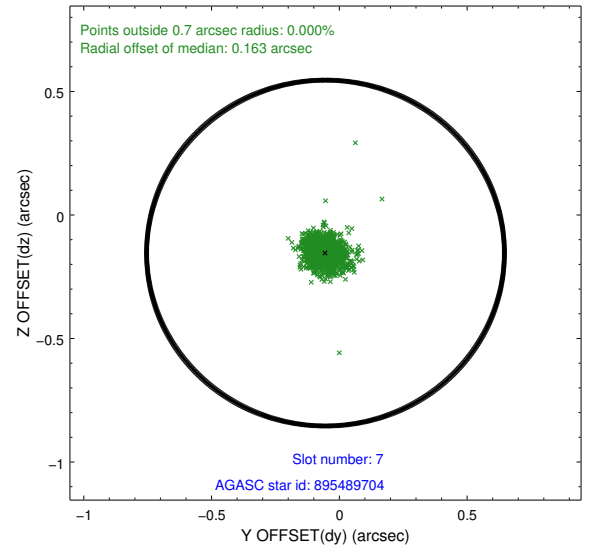
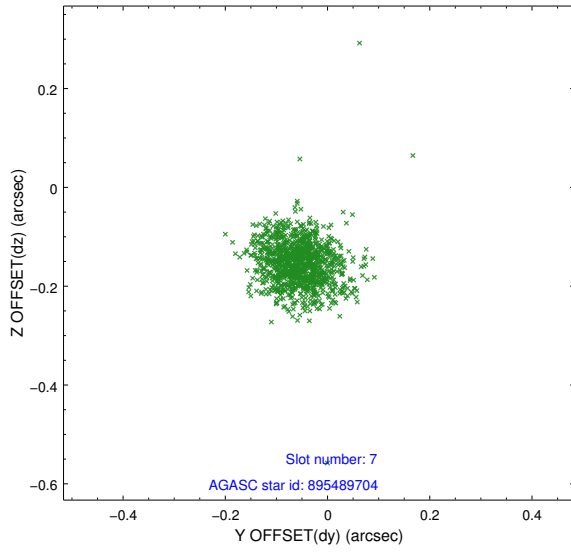
2.4.3 Slot 5



2.4.4 Slot 6

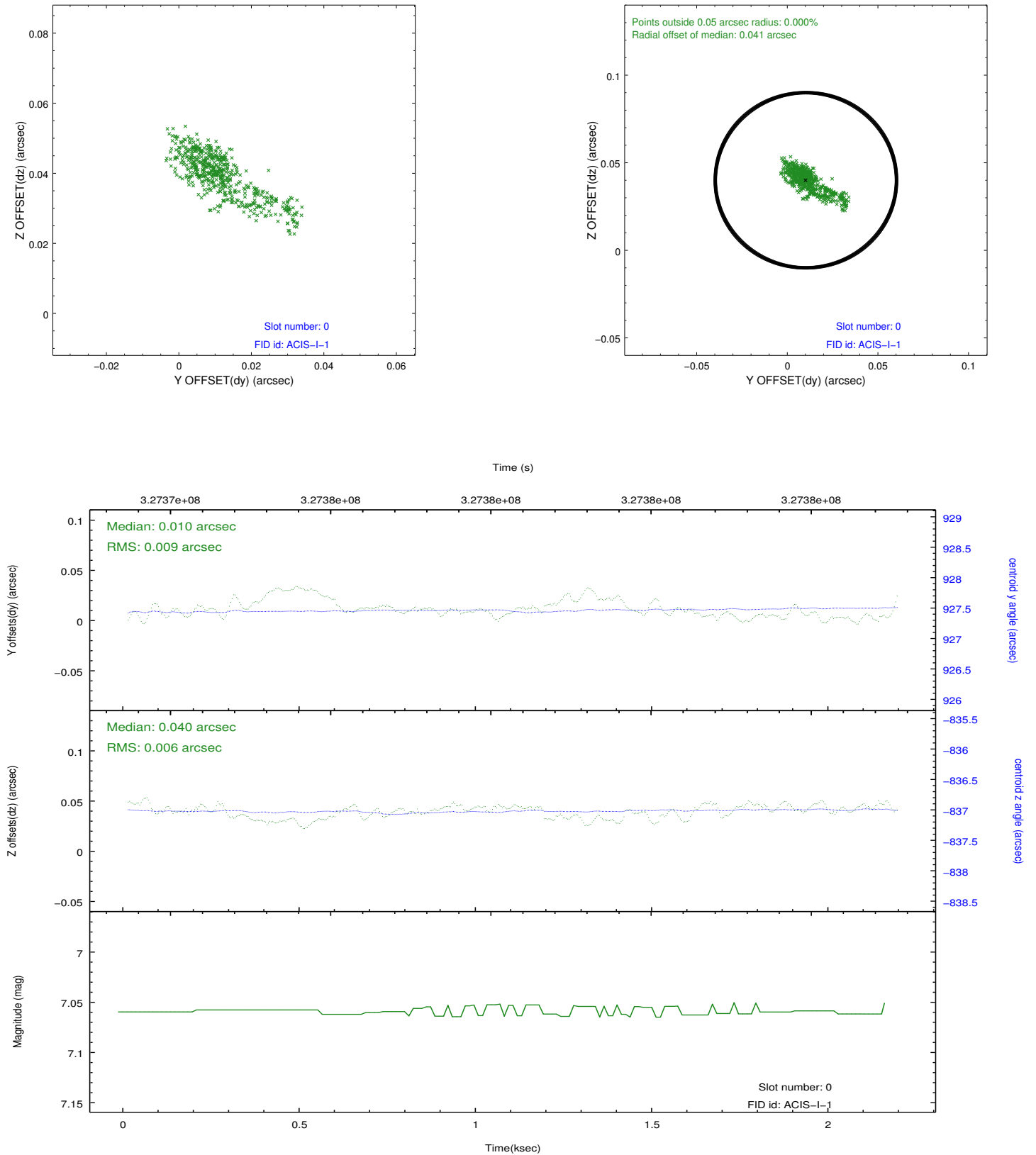


2.4.5 Slot 7

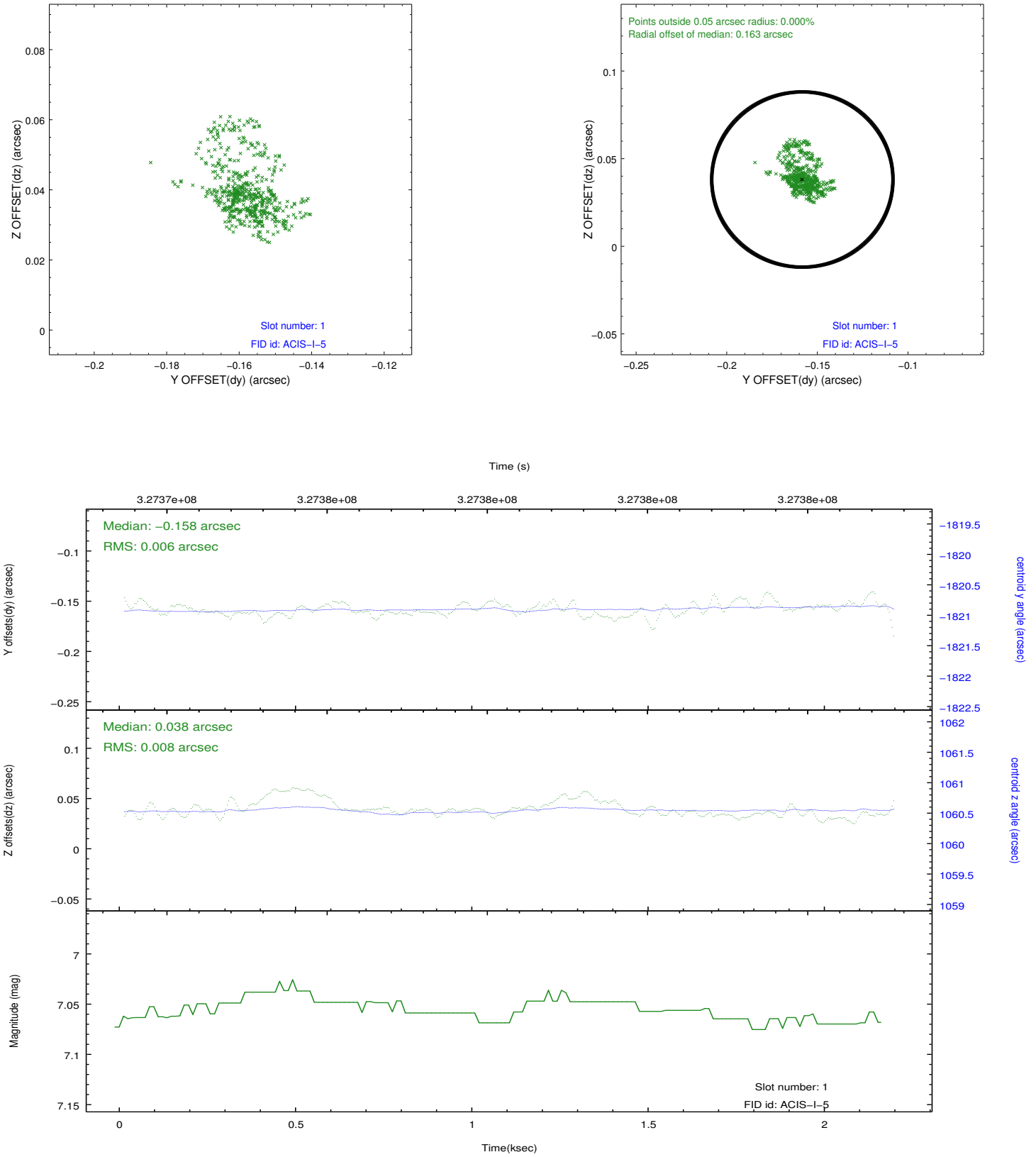


2.5 FID Slots

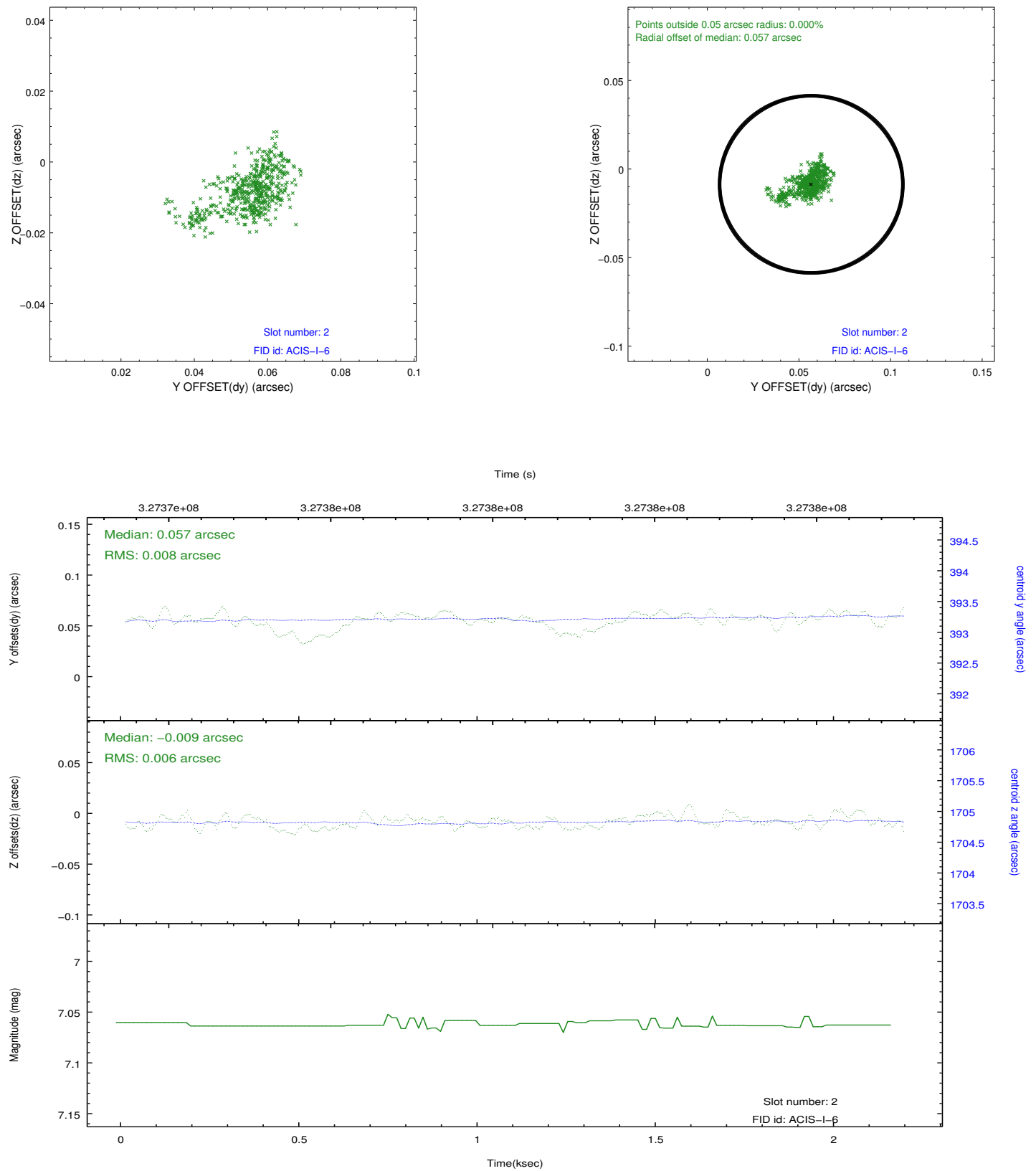
2.5.1 Slot 0



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	2.18550001

A.2 Comments