

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8662 - L2 Version 2
Chandra X-Ray Center

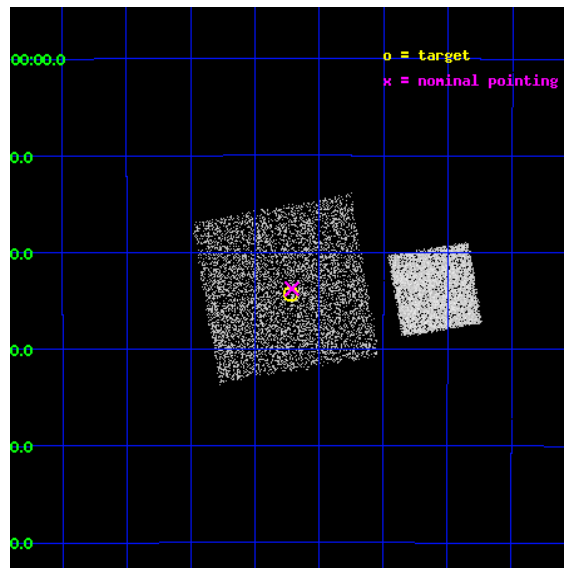
L2 Processing Date : May 15 2012

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1 Front

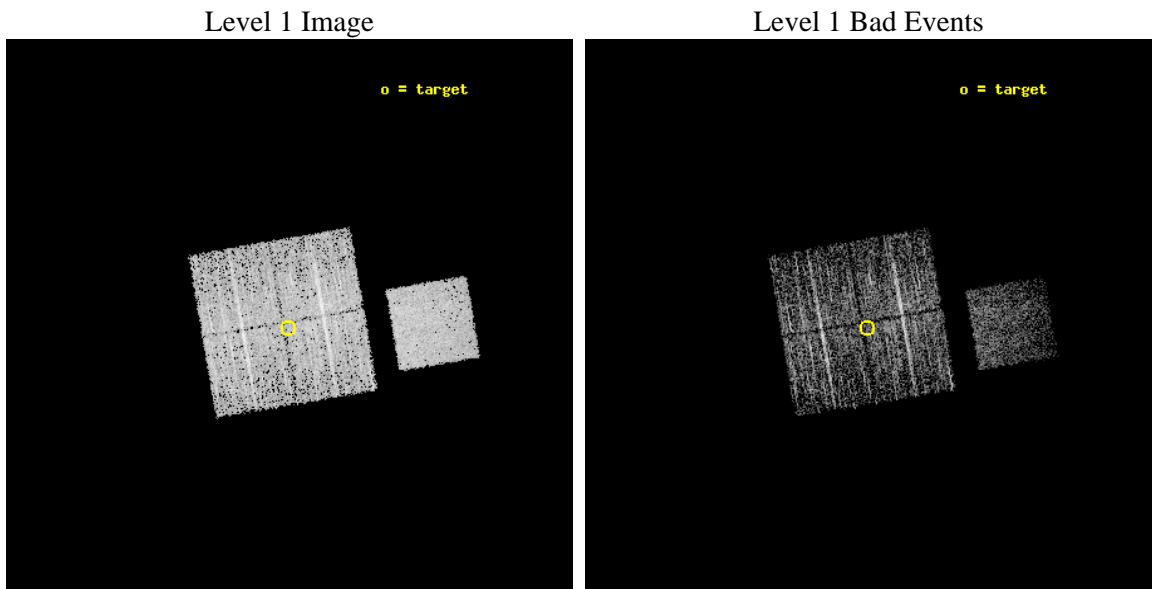
seq_num	400713	Sequence number
obs_id	8662	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.42951	Observer's specified target RA [deg]
dec_targ	-26.404532	Observer's specified target Dec [deg]
ra_nom	266.42834021011	Nominal RA [deg]
dec_nom	-26.396396008668	Nominal Dec [deg]
roll_nom	80.208178924368	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2185.4590165019	Sum of GTIs [s]
ontime2	2185.4590165019	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
ontime7	2188.6000168324	Sum of GTIs [s]
l2events	16183	Number of level 2 events



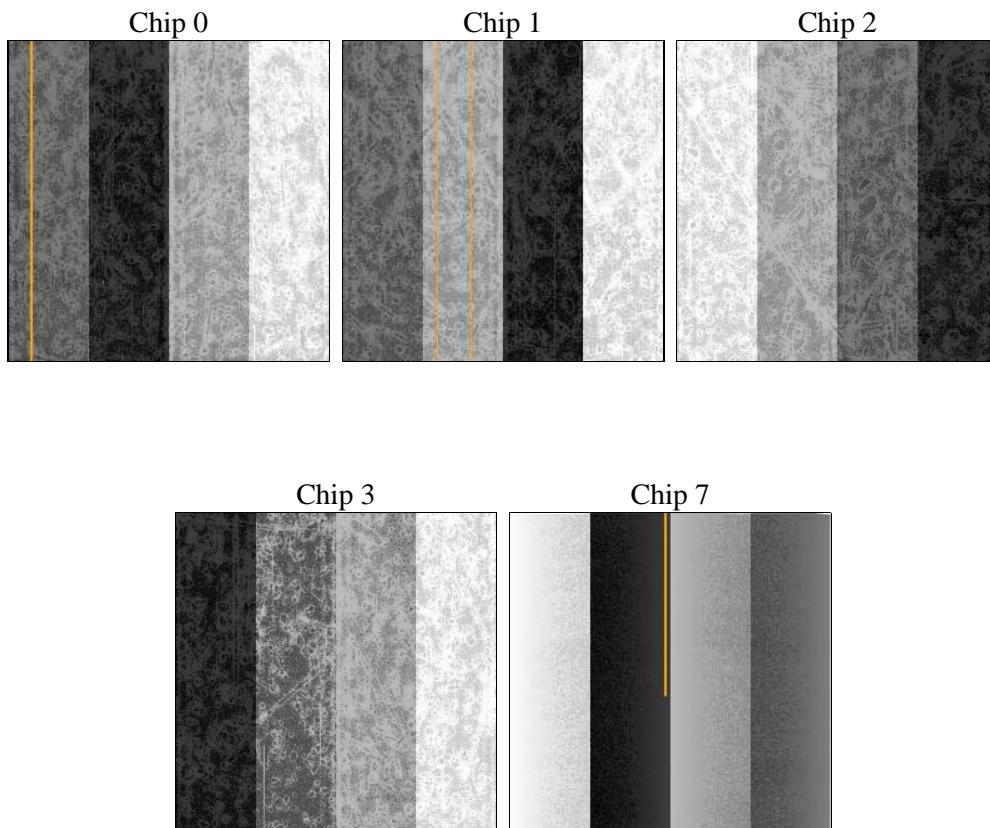
2 OBI

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	2188.6000168324	Sum of GTIs [s]
date	2012-05-15T02:54:22	Date and time of file creation	ontime1	2185.4590165019	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2185.4590165019	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			ontime7	2188.6000168324	Sum of GTIs [s]
			l1events	102112	Number of level 1 events

2.1.4 Events

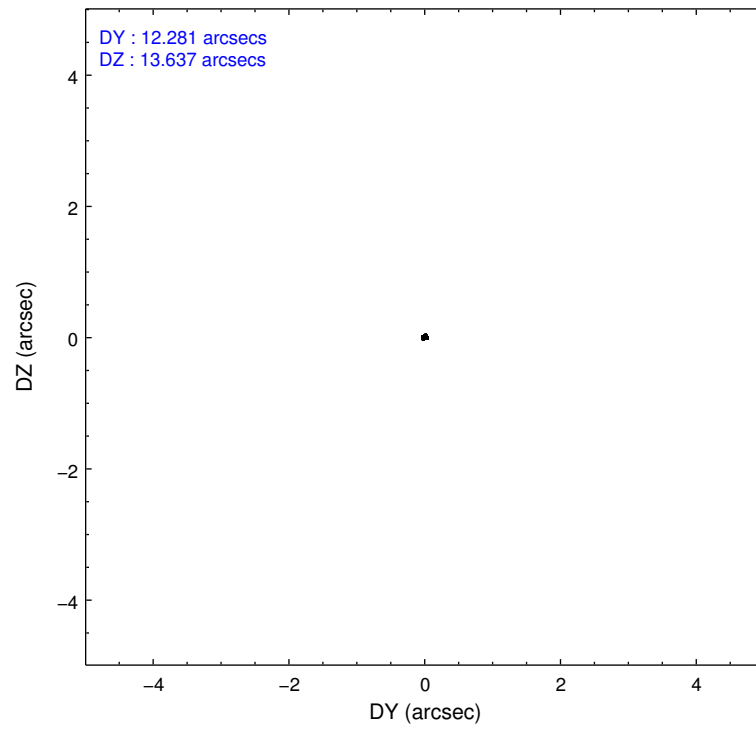
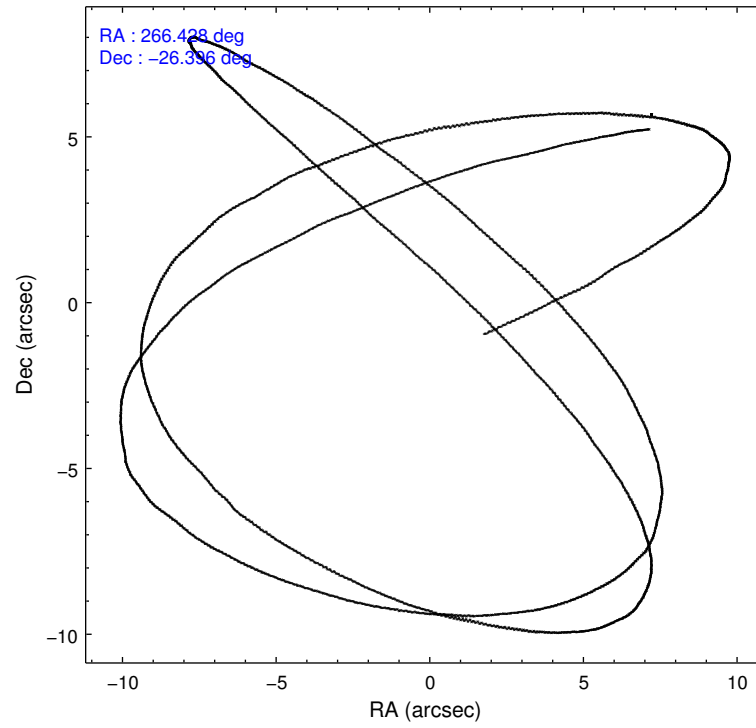
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	19177	19167	20351	20456	22961
rejected events	17069	16791	18293	18537	13687
rejected %	89%	87%	89%	90%	59%

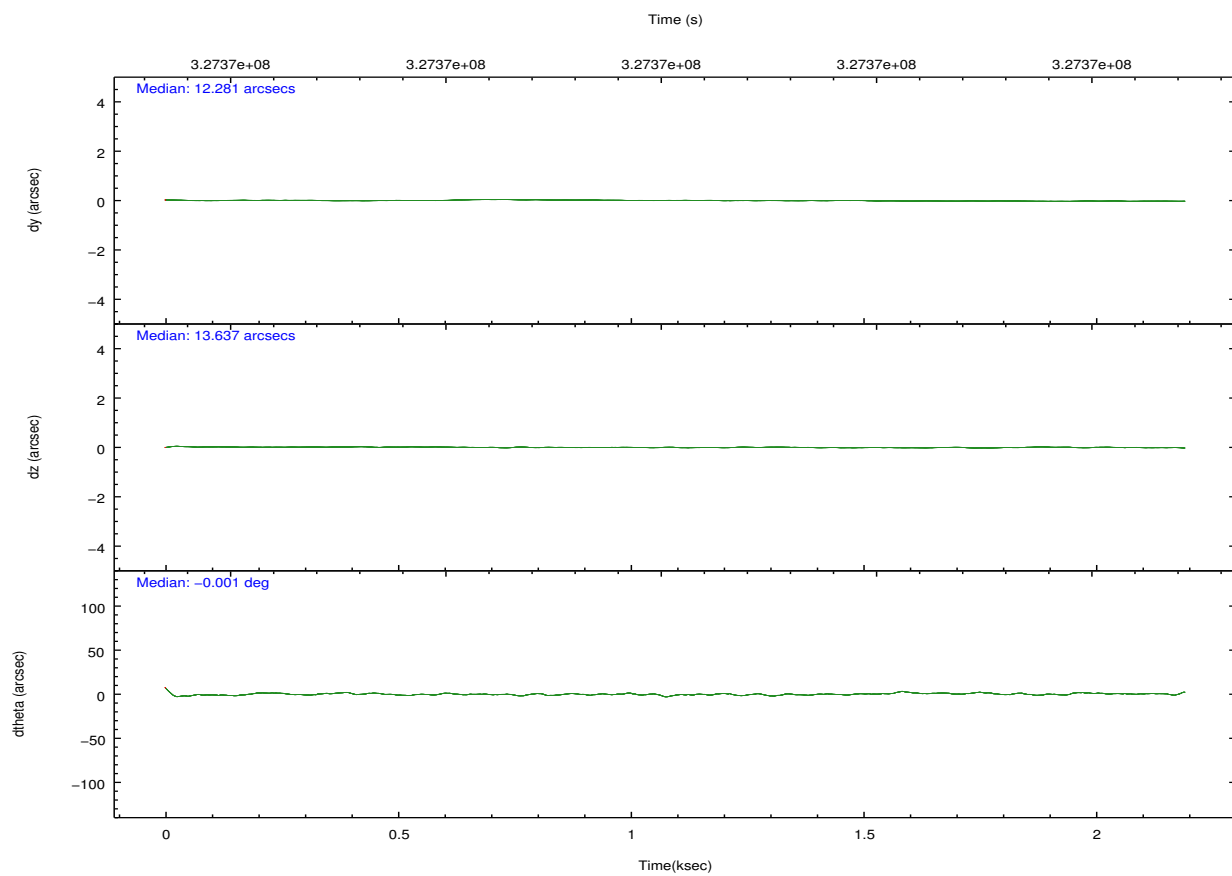
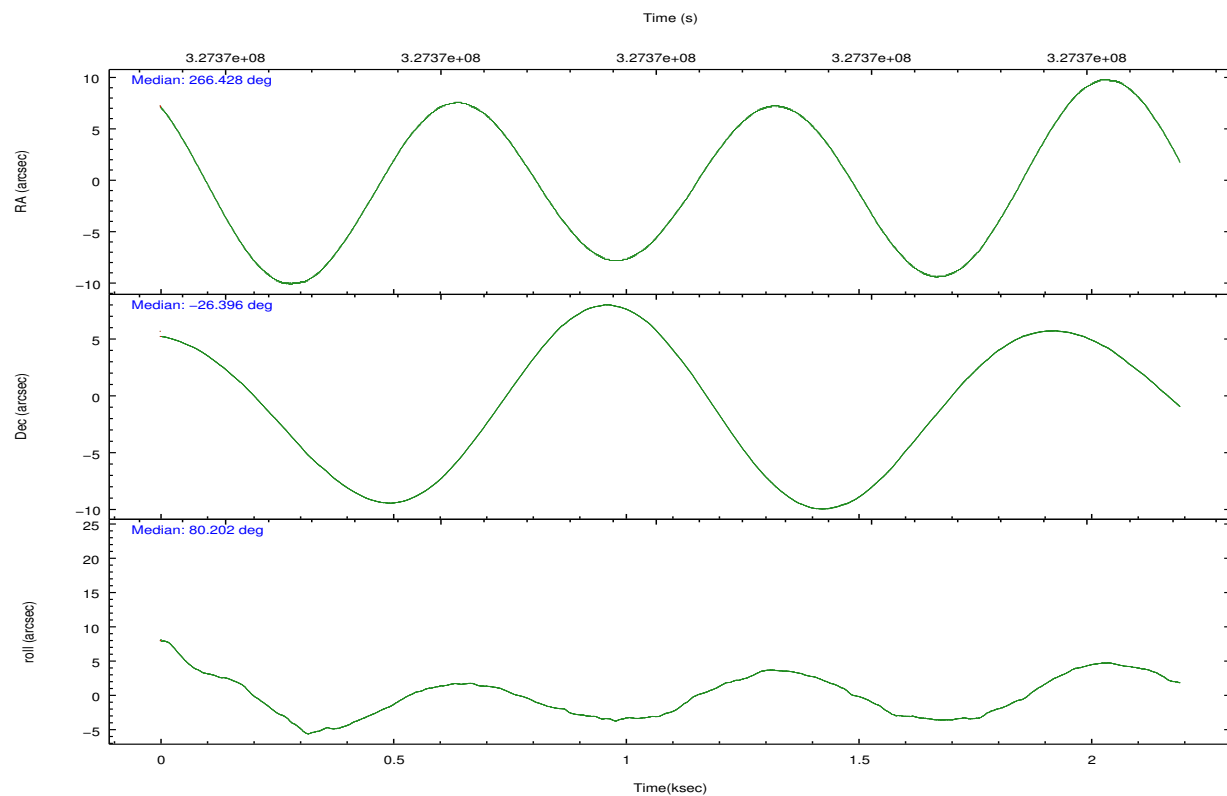
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	1050	1214	999	888	1025
	5%	6%	4%	4%	4%
grade 1 events	10	15	12	10	22
	0%	0%	0%	0%	0%
grade 2 events	508	590	576	424	2151
	2%	3%	2%	2%	9%
grade 3 events	200	230	225	240	957
	1%	1%	1%	1%	4%
grade 4 events	242	252	216	232	981
	1%	1%	1%	1%	4%
grade 5 events	711	814	627	806	2303
	3%	4%	3%	3%	10%
grade 6 events	399	440	325	394	5481
	2%	2%	1%	1%	23%
grade 7 events	16057	15612	17371	17462	10041
	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	266.439054	266.4283402101098	CCD I2 on	Y	Y
[deg] Pointing Dec	-26.422283	-26.39639600866801	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004253	80.20817892436837	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)	327367133.184000	327366757.27801	CCD S5 on	N	N
Observation start date	2008-05-16T23:17:48	2008-05-16T23:12:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327369133.184000	327369267.50313	On-chip summing requested	N	N
Observation end date	2008-05-16T23:51:08	2008-05-16T23:54:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



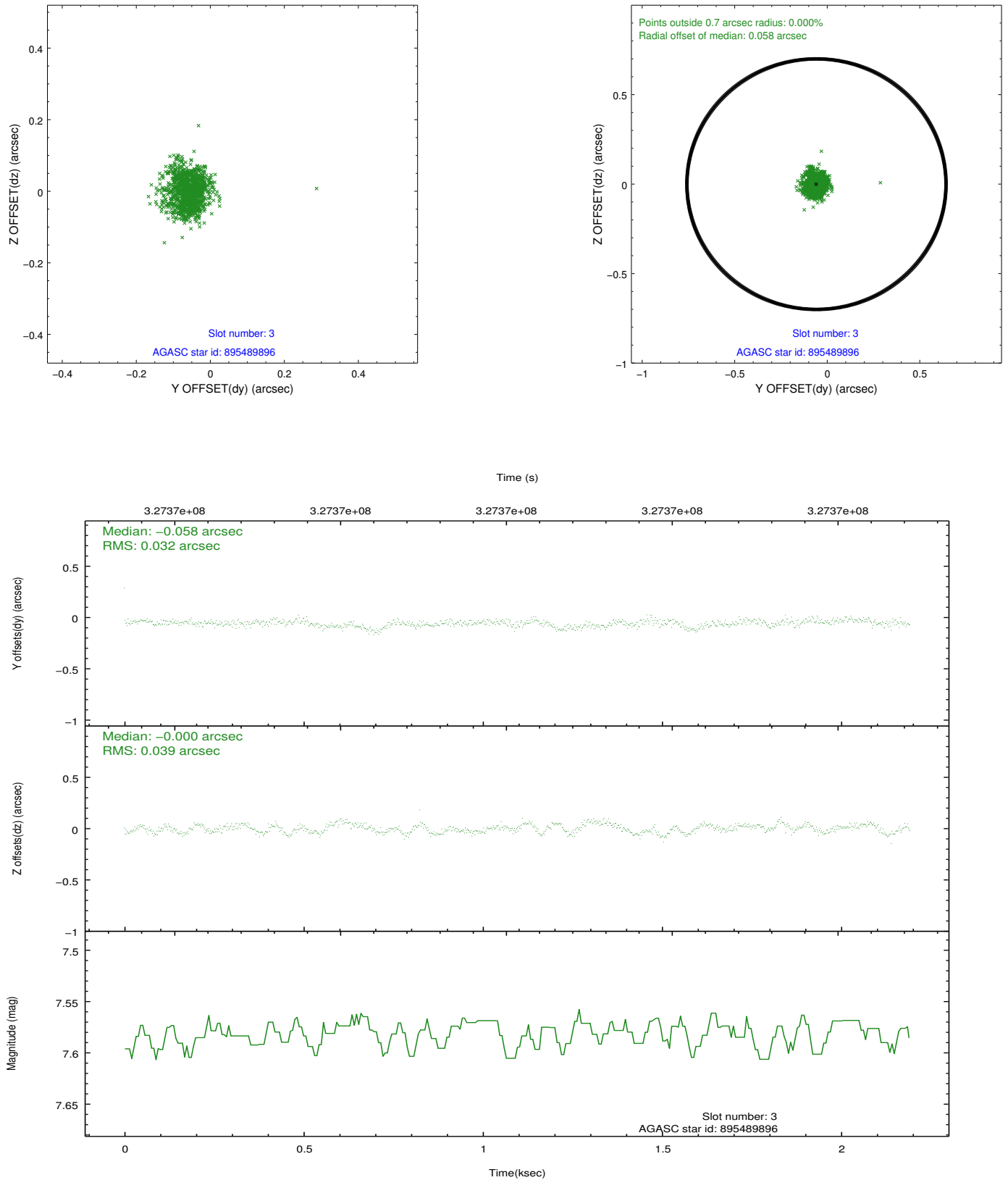


Slot Statistics

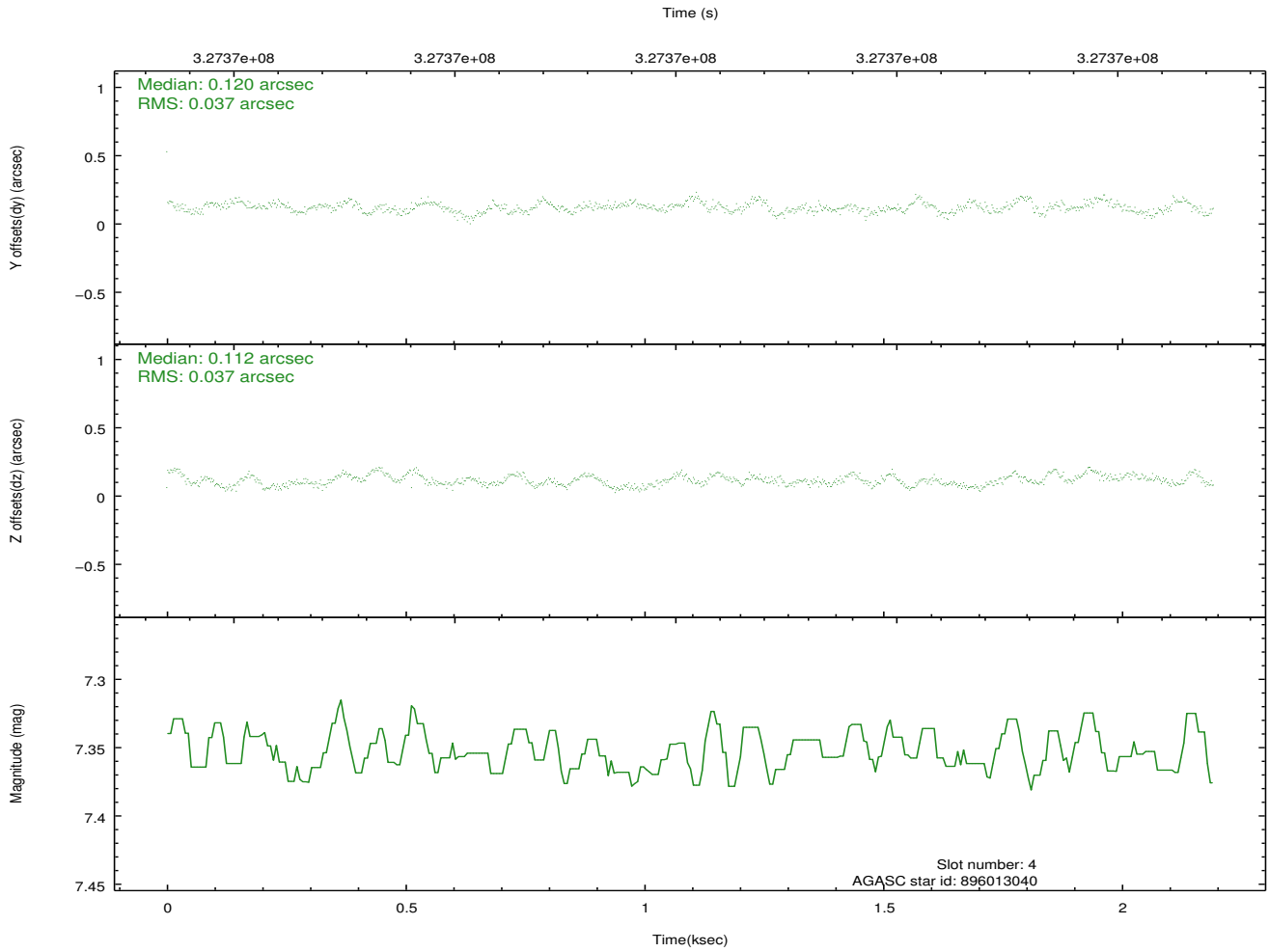
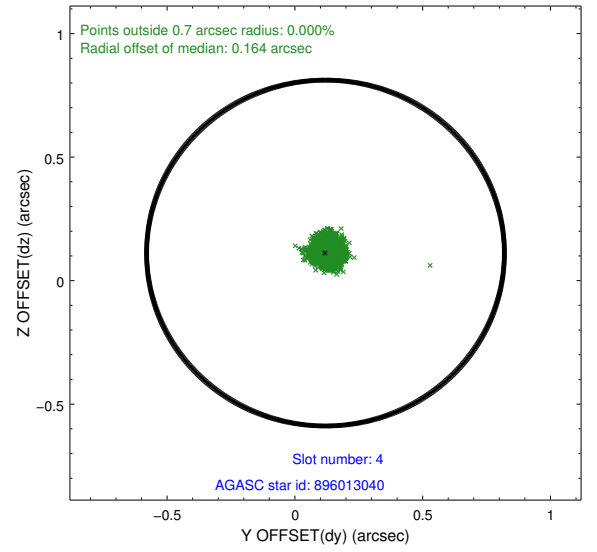
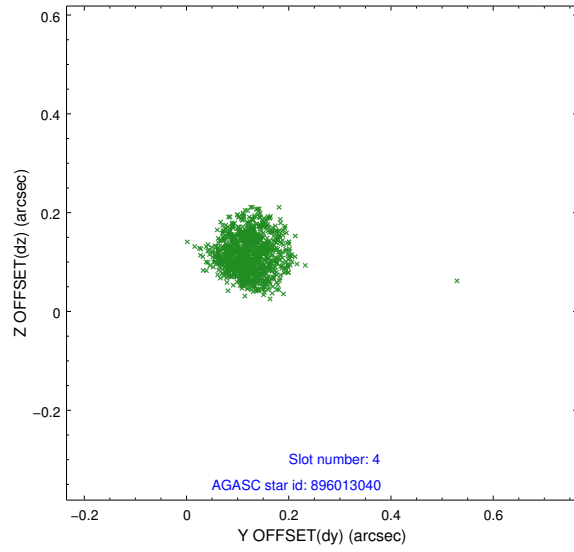
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	535	-0.064	0.083	0.009	0.017	0.000000	0.000000	927.18	-837.13
1	FID	ACIS-I-2	6.98	535	-0.132	-0.092	0.006	0.010	0.000000	0.000000	-765.33	-845.21
2	FID	ACIS-I-4	7.00	535	0.098	0.076	0.006	0.012	0.000000	0.000000	2145.89	1061.15
3	GUIDE	895489896	7.58	1070	-0.058	-0.000	0.053	0.084	266.605795	-26.200300	879.95	-391.56
4	GUIDE	896013040	7.35	1070	0.120	0.112	0.056	0.085	266.506589	-26.972299	-1911.63	-557.44
5	GUIDE	896013056	8.53	1069	0.134	0.158	0.059	0.094	266.762141	-26.954413	-1709.63	-1354.22
6	GUIDE	896015112	9.16	1065	0.007	-0.016	0.094	0.145	266.684847	-26.286161	617.88	-697.48
7	GUIDE	896015880	8.50	1068	-0.203	-0.252	0.071	0.108	265.986633	-26.306686	153.93	1508.90

2.4 Star Slots

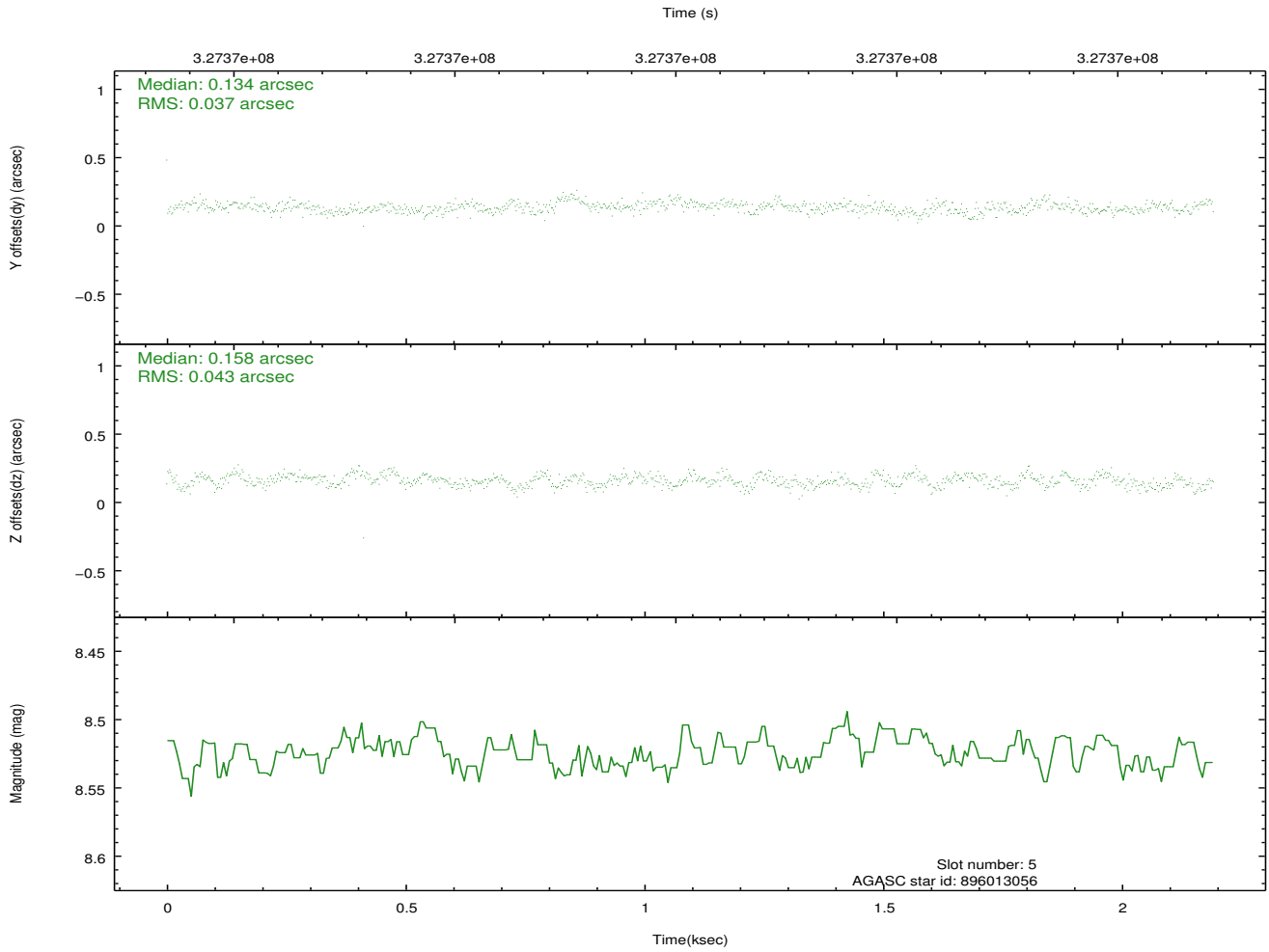
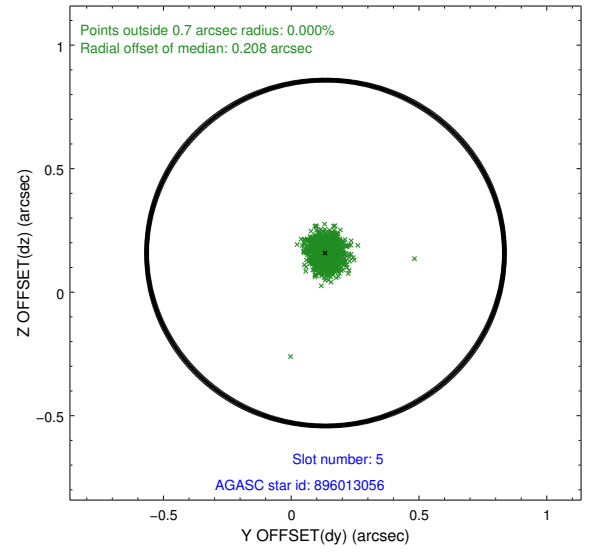
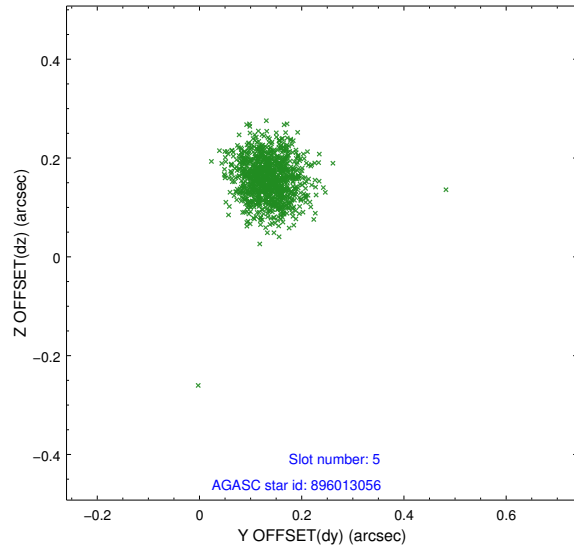
2.4.1 Slot 3



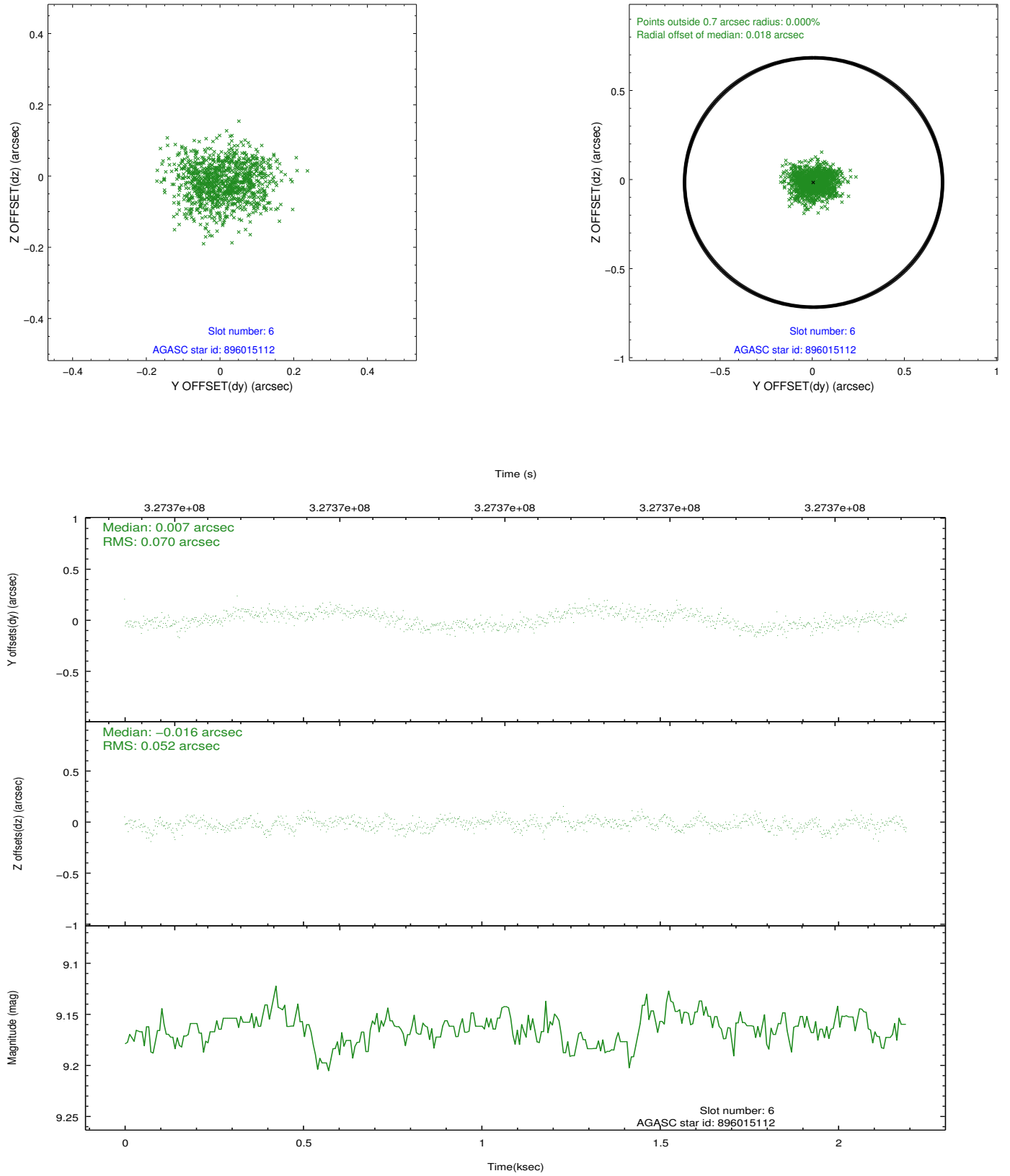
2.4.2 Slot 4



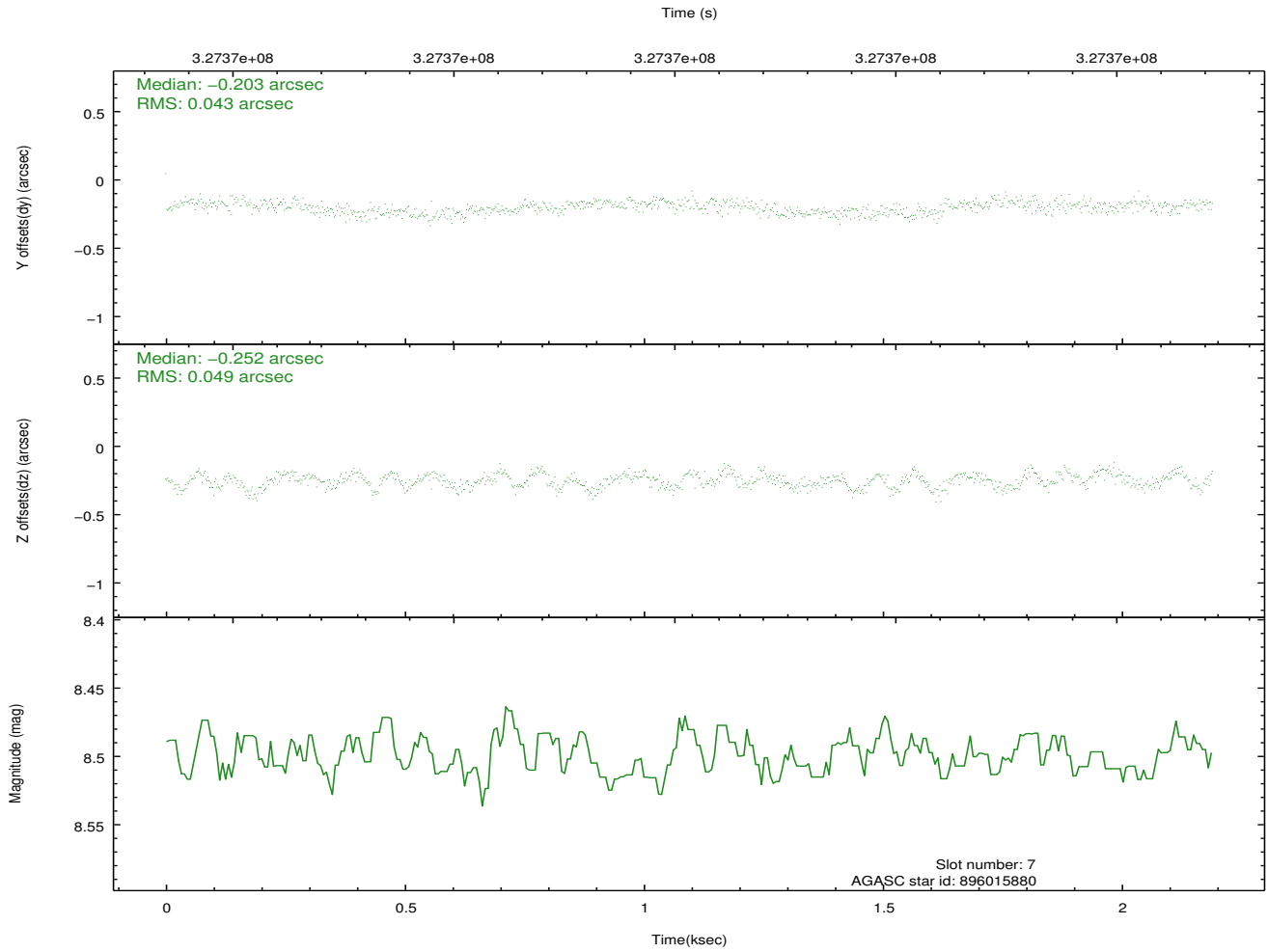
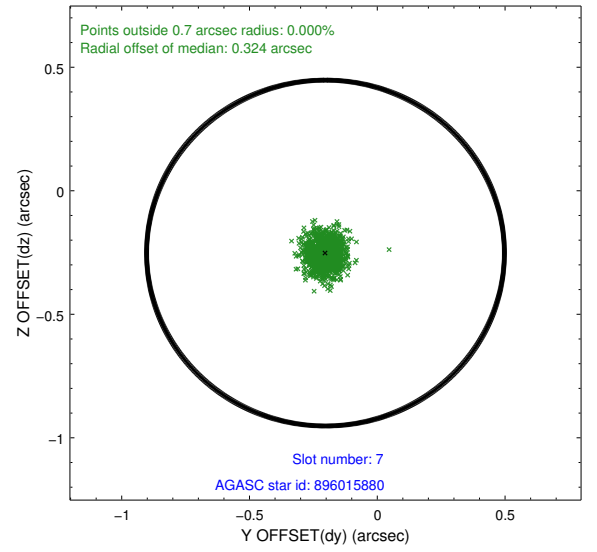
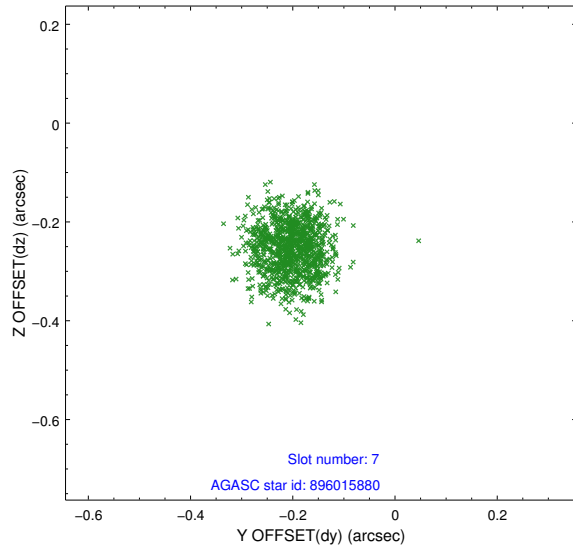
2.4.3 Slot 5



2.4.4 Slot 6

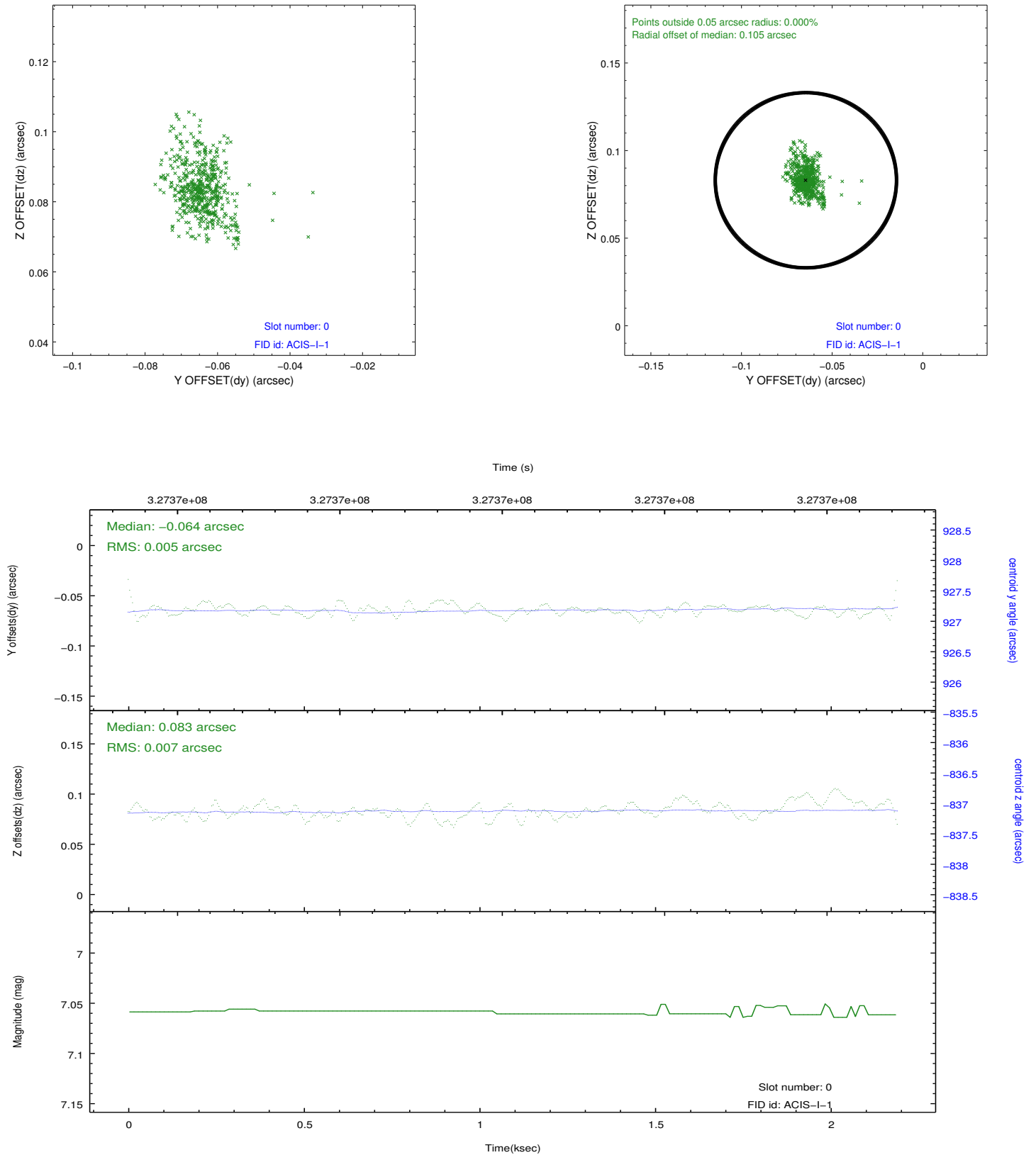


2.4.5 Slot 7

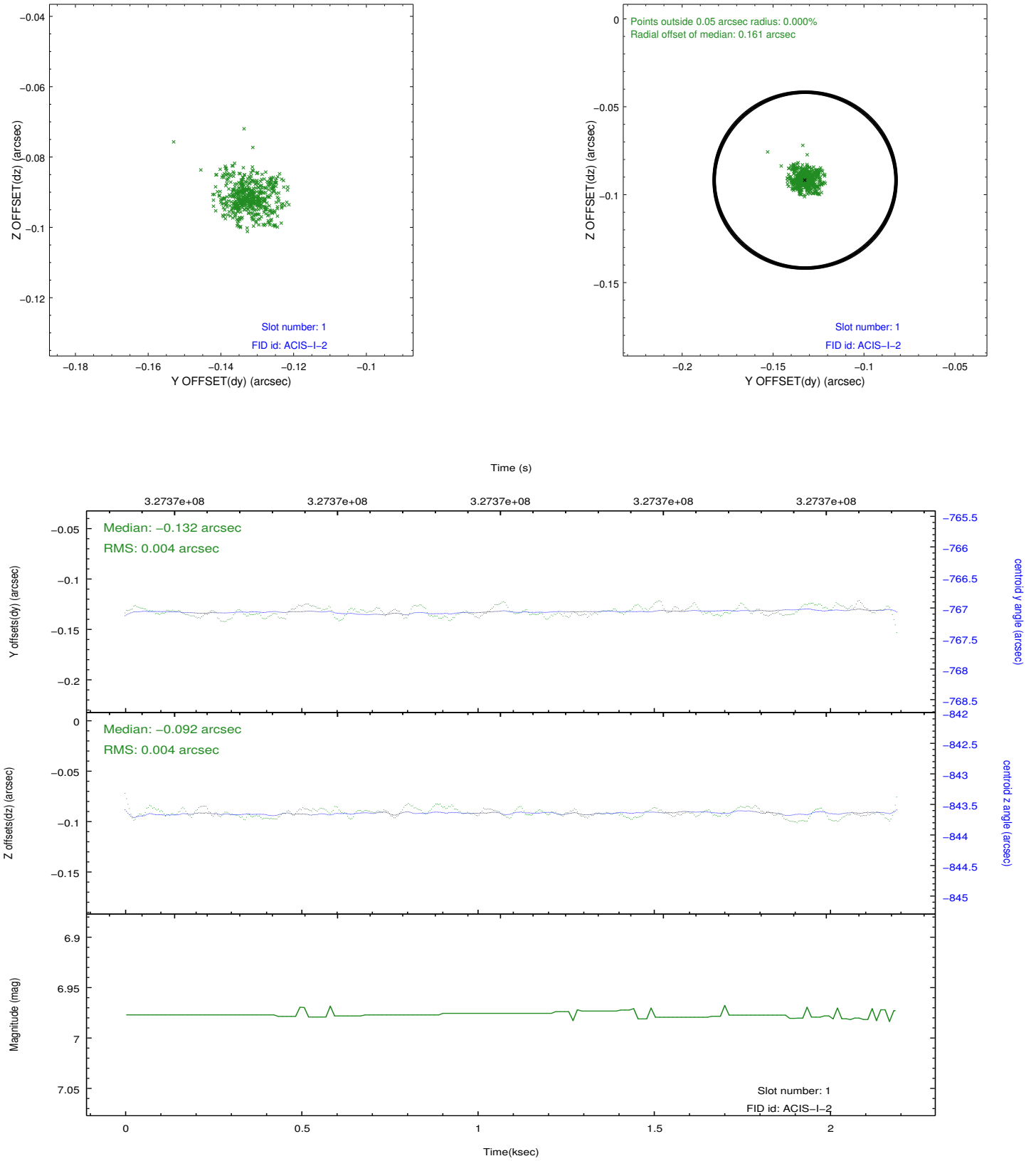


2.5 FID Slots

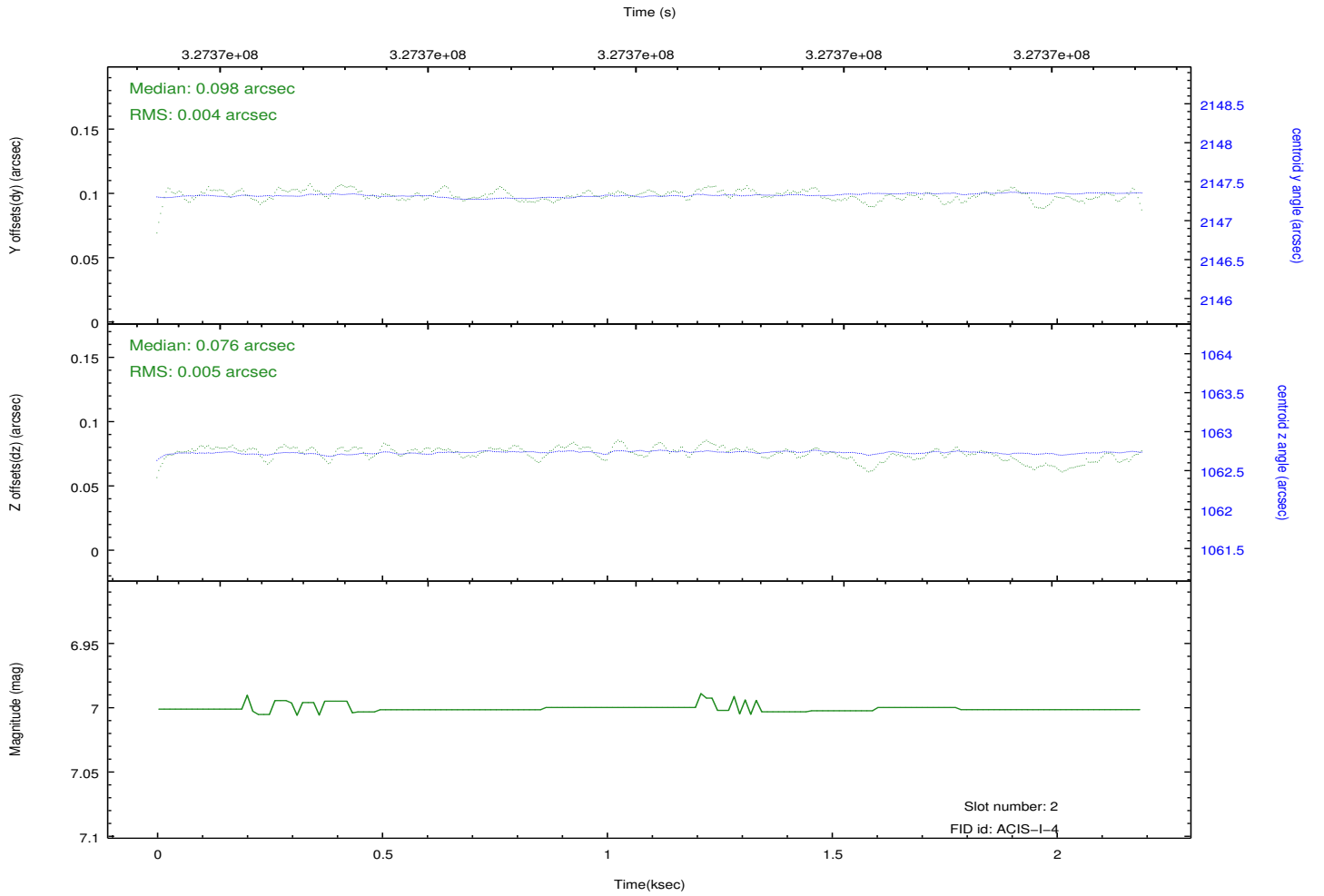
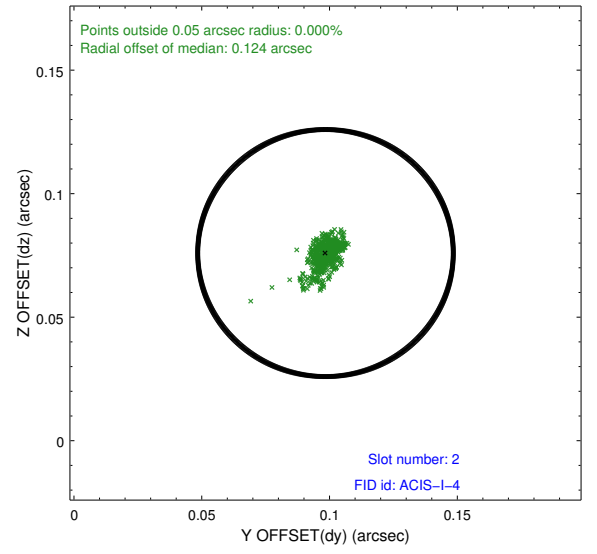
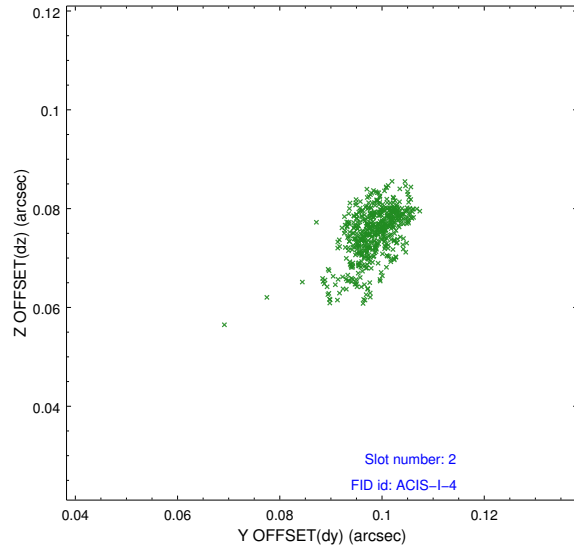
2.5.1 Slot 0



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