

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8683 - L2 Version 2
Chandra X-Ray Center

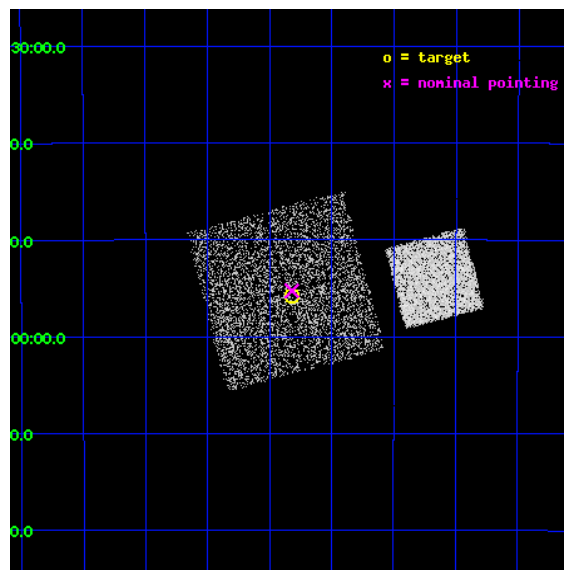
L2 Processing Date : May 15 2012

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1 Front

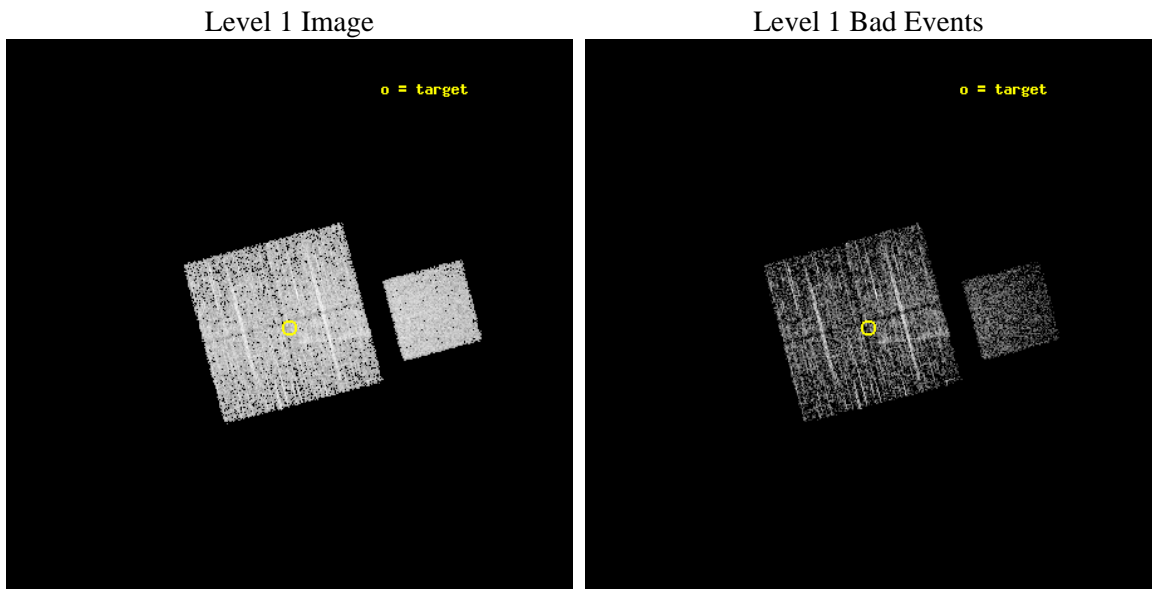
seq_num	400734	Sequence number
obs_id	8683	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.205518	Observer's specified target RA [deg]
dec_targ	-29.929307	Observer's specified target Dec [deg]
ra_nom	264.20507868492	Nominal RA [deg]
dec_nom	-29.921295933654	Nominal Dec [deg]
roll_nom	75.208483495606	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2173.0590264797	Sum of GTIs [s]
livetime	2144.666410516	Livetime [s]
ontime0	2176.200016737	Sum of GTIs [s]
ontime1	2176.200016737	Sum of GTIs [s]
ontime2	2176.200016737	Sum of GTIs [s]
ontime3	2173.0590264797	Sum of GTIs [s]
ontime7	2176.200016737	Sum of GTIs [s]
l2events	15507	Number of level 2 events



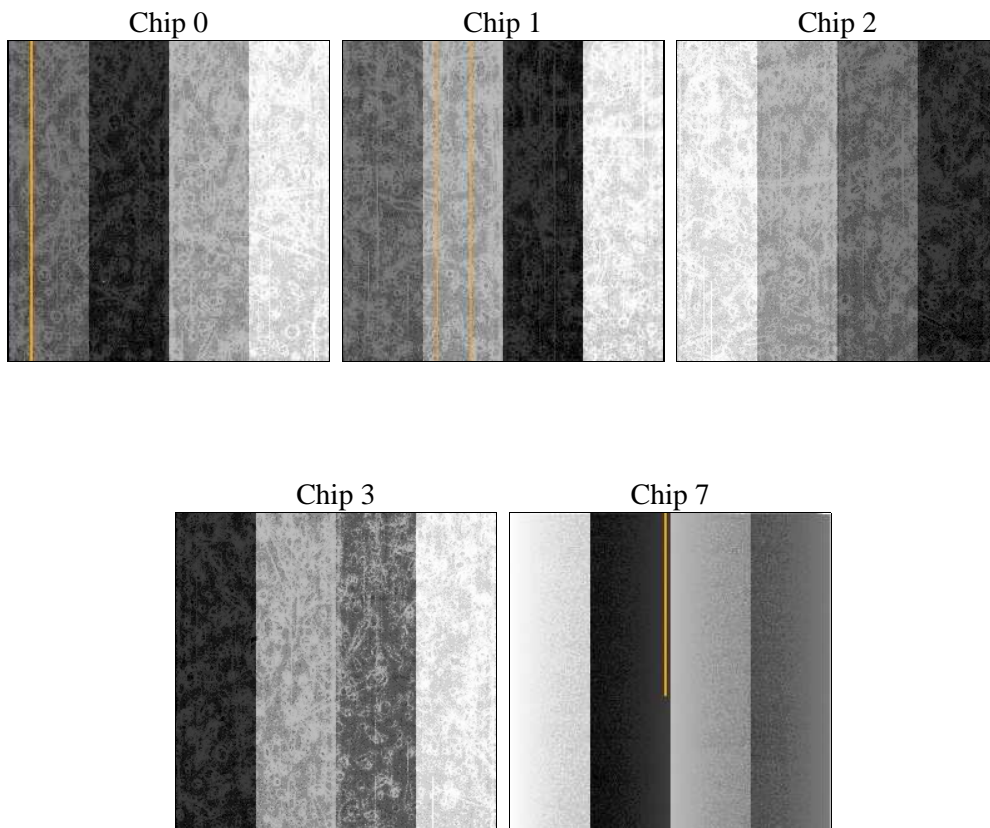
2 OBI

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	2173.0590264797	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2176.200016737	Sum of GTIs [s]
date	2012-05-15T05:03:23	Date and time of file creation	ontime1	2176.200016737	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2176.200016737	Sum of GTIs [s]
			ontime3	2173.0590264797	Sum of GTIs [s]
			ontime7	2176.200016737	Sum of GTIs [s]
			l1events	97741	Number of level 1 events

2.1.4 Events

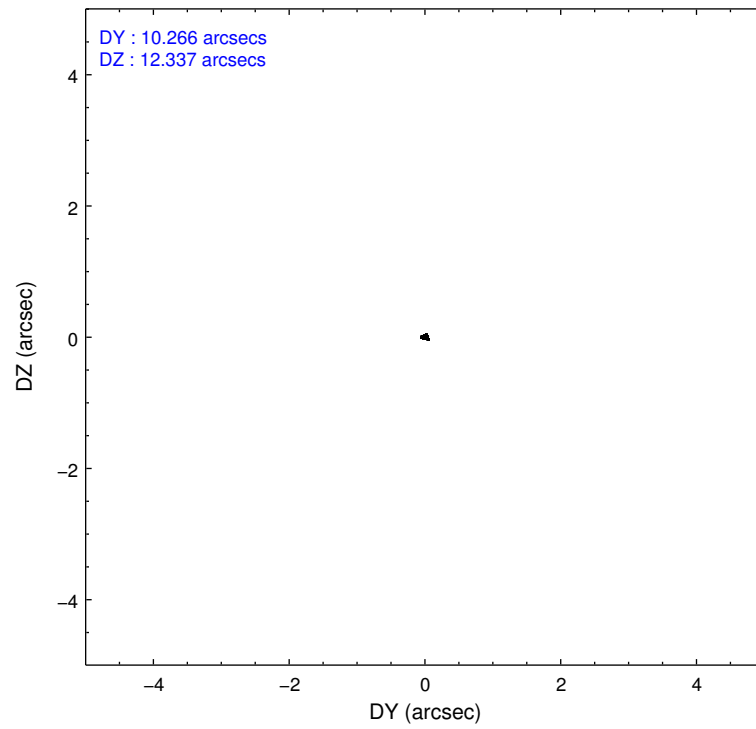
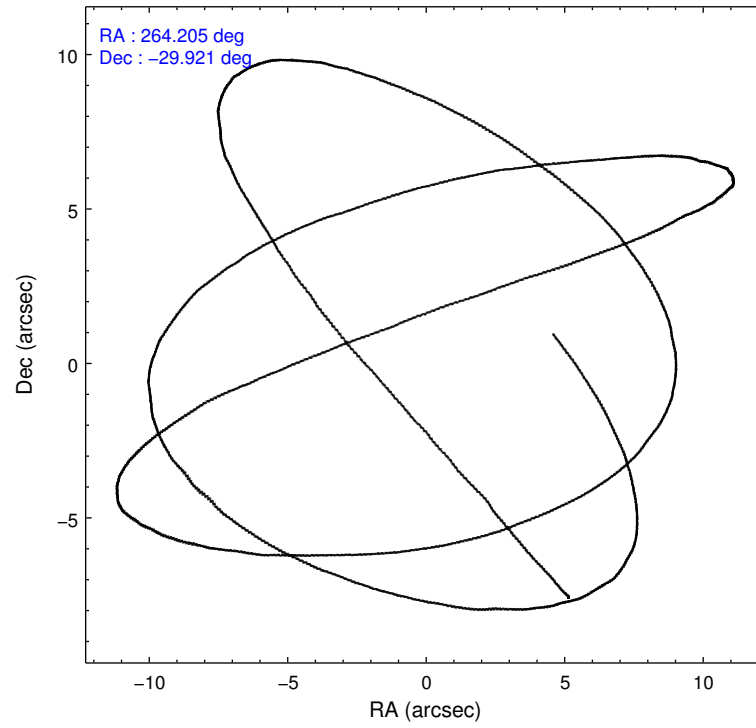
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	17877	18688	19717	19620	21839
rejected events	15906	16572	17781	17723	12689
rejected %	88%	88%	90%	90%	58%

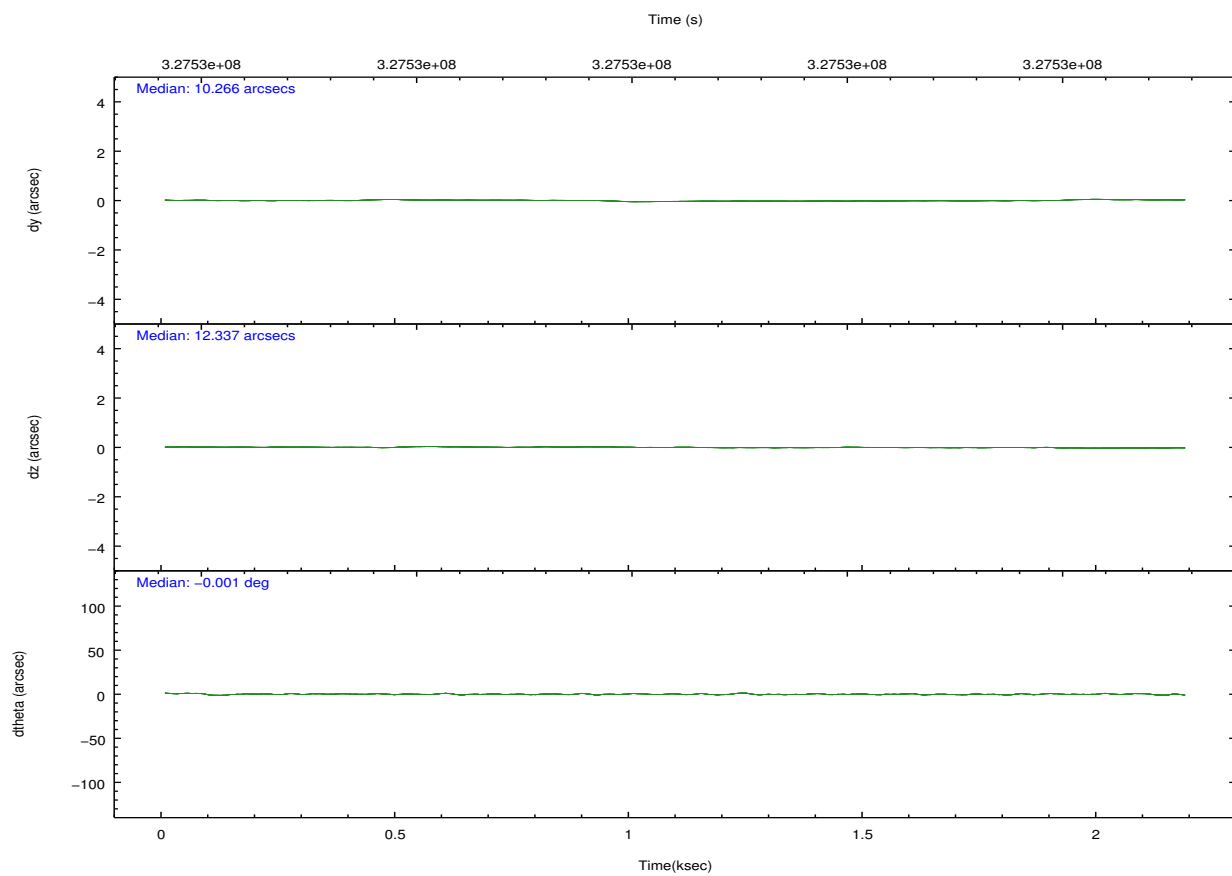
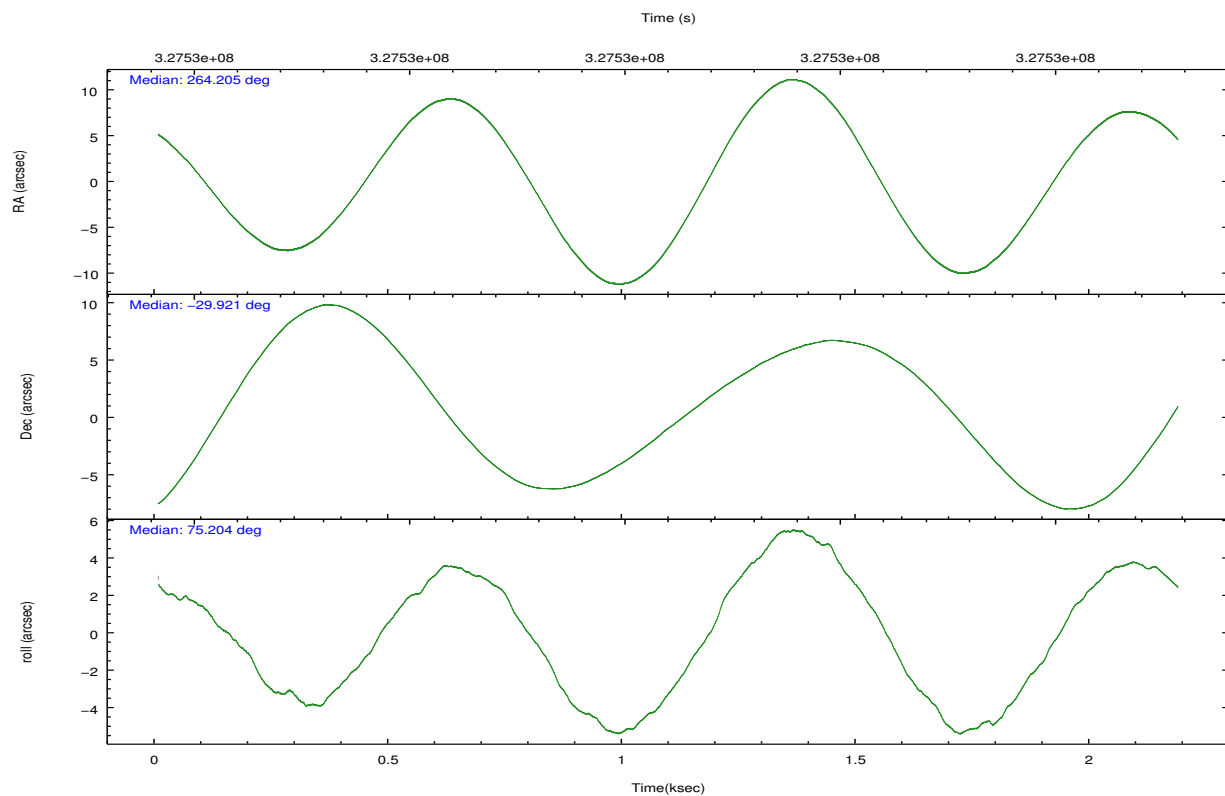
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	866	945	910	819	943
	4%	5%	4%	4%	4%
grade 1 events	10	8	13	12	24
	0%	0%	0%	0%	0%
grade 2 events	461	457	424	432	2075
	2%	2%	2%	2%	9%
grade 3 events	225	225	215	207	913
	1%	1%	1%	1%	4%
grade 4 events	206	258	217	214	906
	1%	1%	1%	1%	4%
grade 5 events	671	765	592	734	2361
	3%	4%	3%	3%	10%
grade 6 events	392	433	341	384	5106
	2%	2%	1%	1%	23%
grade 7 events	15046	15597	17005	16818	9511
	84%	83%	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	264.213559	264.205078684921	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.947732	-29.92129593365392	CCD I3 on	Y	Y
[deg] Pointing Roll	75.004014	75.20848349560593	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)	327532703.184000	327532327.58608	CCD S5 on	N	N
Observation start date	2008-05-18T21:17:18	2008-05-18T21:12:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327534703.184000	327535787.98625	On-chip summing requested	N	N
Observation end date	2008-05-18T21:50:38	2008-05-18T22:09:47	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



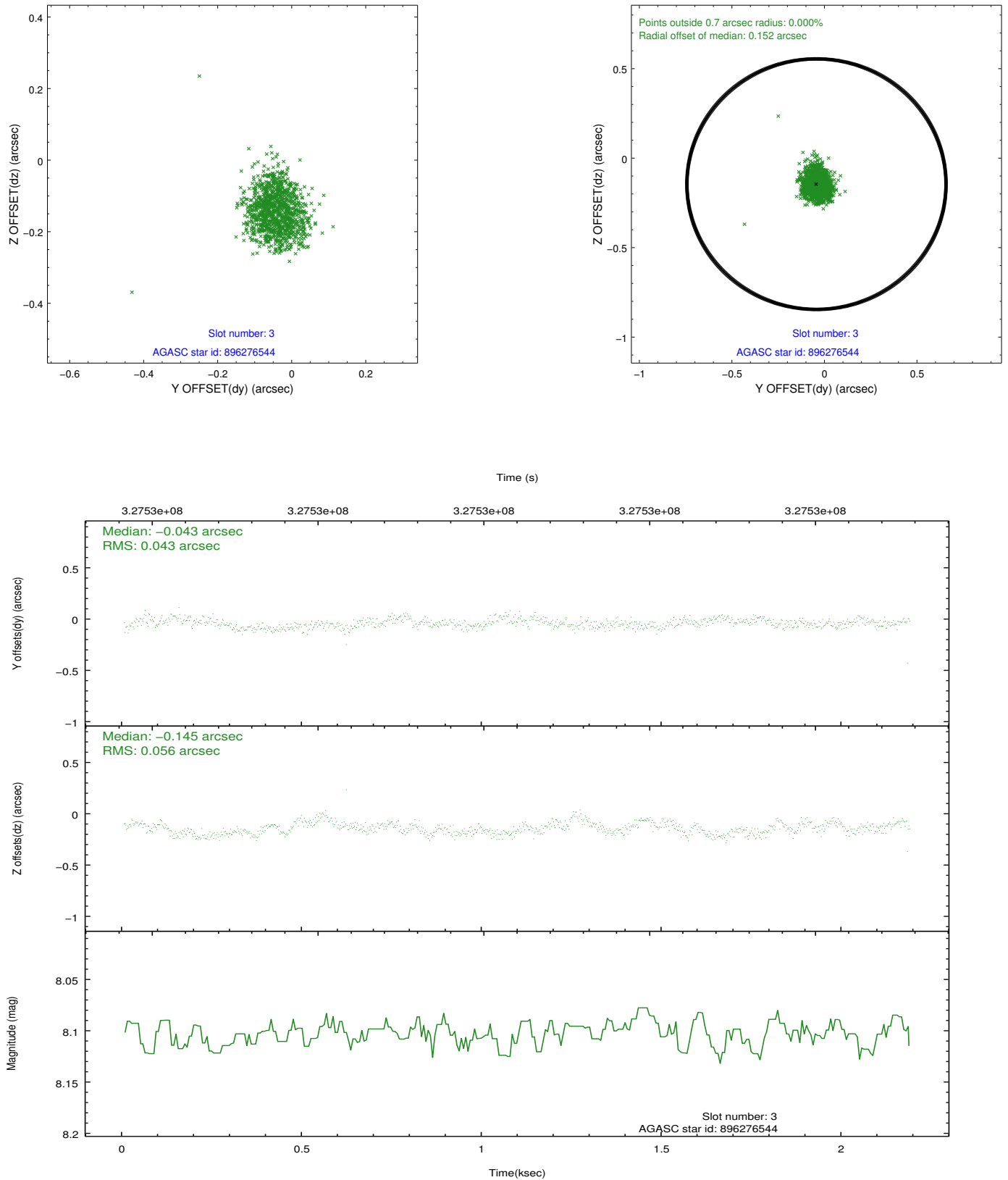


Slot Statistics

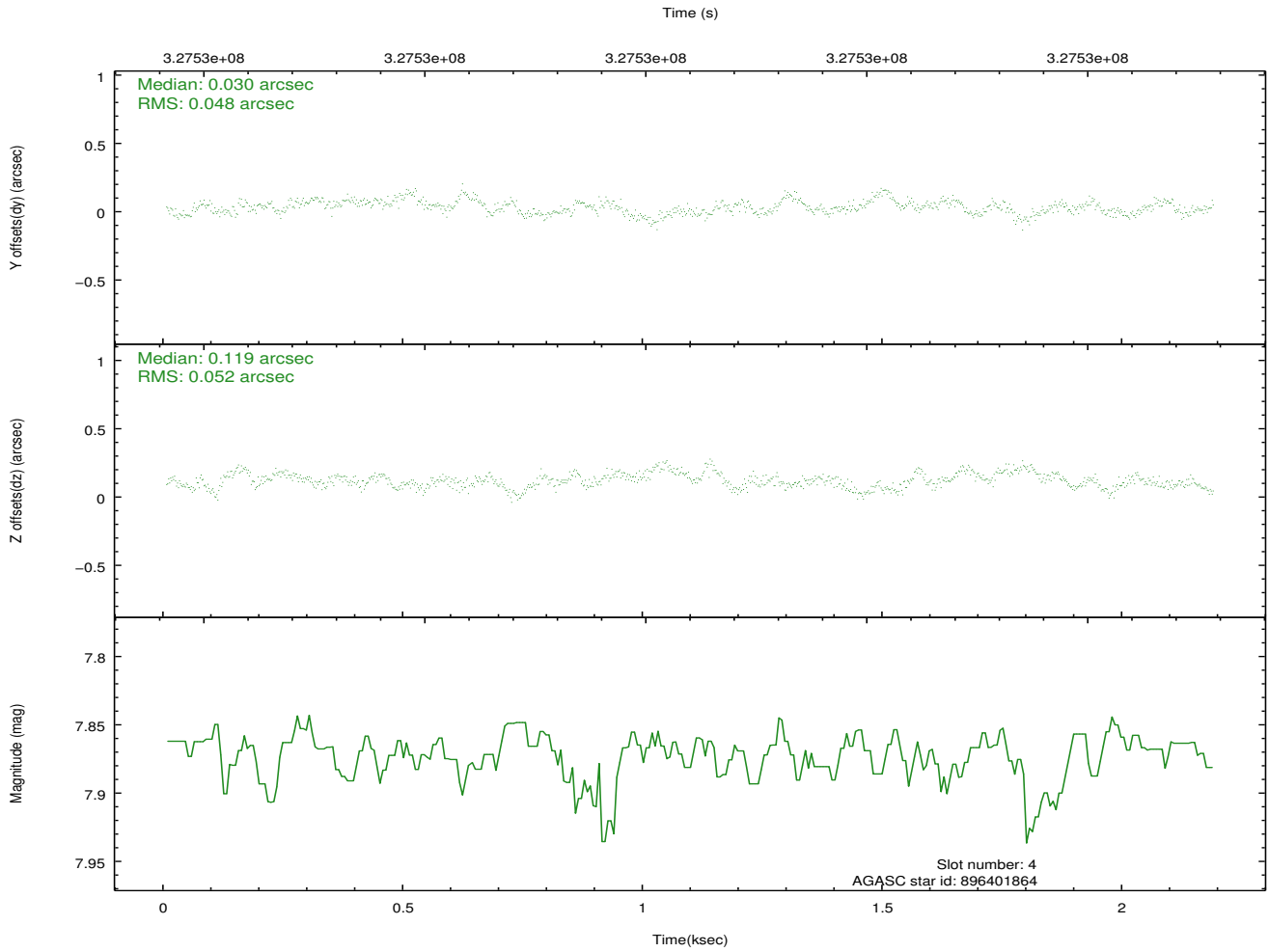
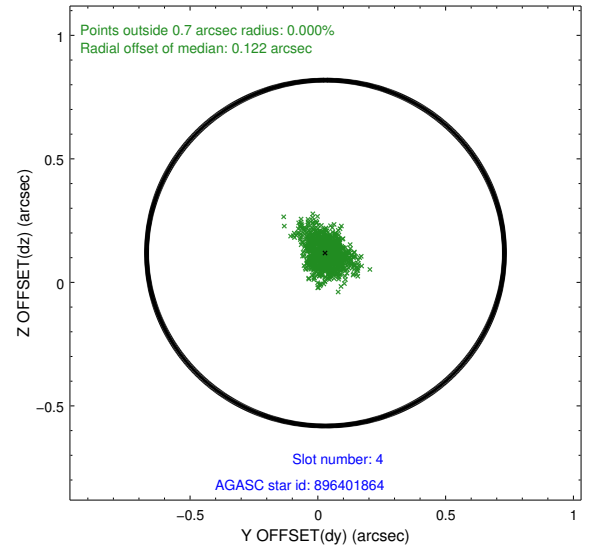
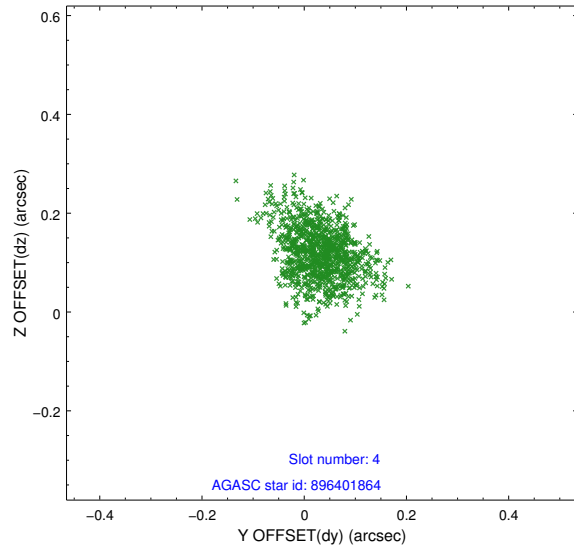
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	533	0.045	0.007	0.009	0.016	0.000000	0.000000	929.36	-835.87
1	FID	ACIS-I-5	7.04	533	-0.177	0.065	0.008	0.012	0.000000	0.000000	-1817.29	1060.21
2	FID	ACIS-I-6	7.05	533	0.041	-0.001	0.008	0.013	0.000000	0.000000	391.68	1708.01
3	GUIDE	896276544	8.10	1066	-0.043	-0.145	0.074	0.111	263.666616	-29.255819	1957.89	2303.09
4	GUIDE	896401864	7.87	1065	0.030	0.119	0.074	0.128	264.861768	-29.959752	478.28	-1963.08
5	GUIDE	896404376	6.69	1066	-0.192	0.179	0.071	0.109	264.835179	-29.530972	1948.83	-1495.34
6	GUIDE	966787992	7.74	1066	0.133	-0.022	0.083	0.141	263.507229	-30.411177	-2183.37	1683.42
7	GUIDE	966791064	7.76	1065	0.066	-0.133	0.073	0.111	263.920275	-30.338943	-1598.92	516.96

2.4 Star Slots

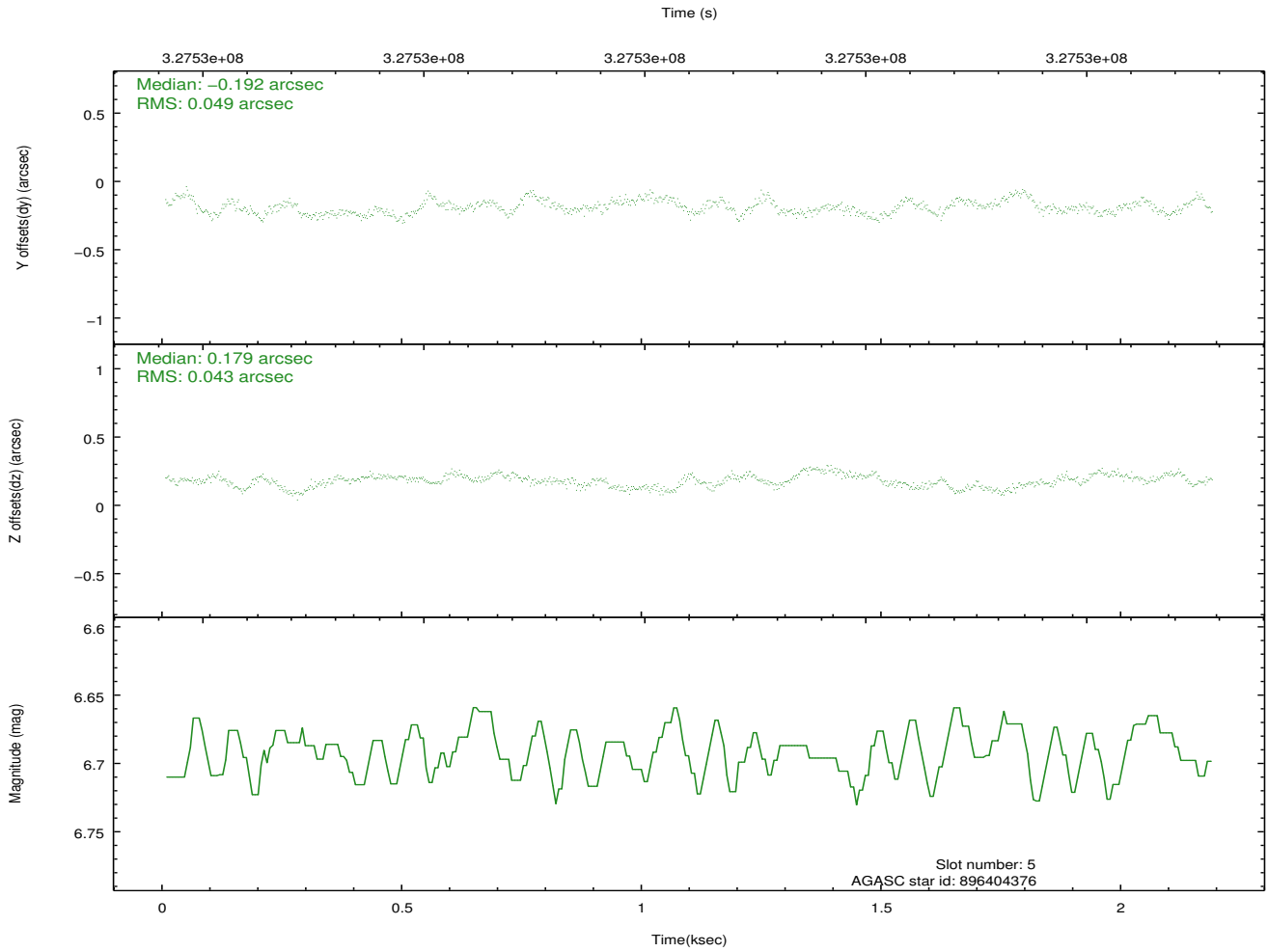
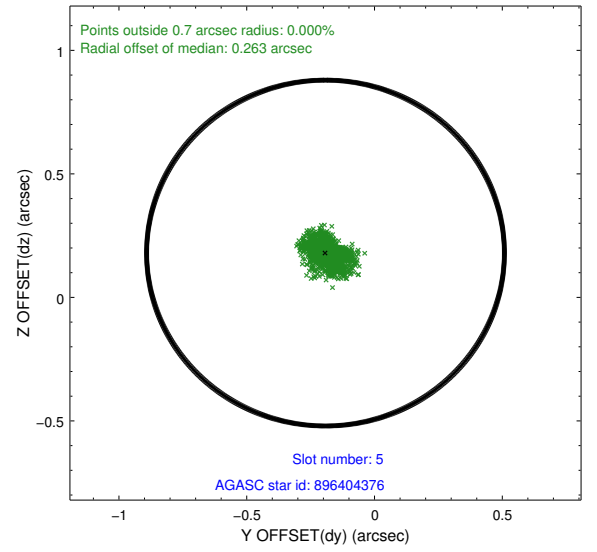
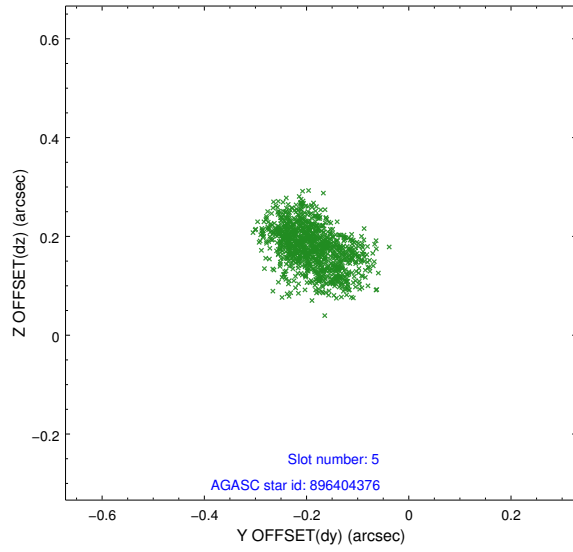
2.4.1 Slot 3



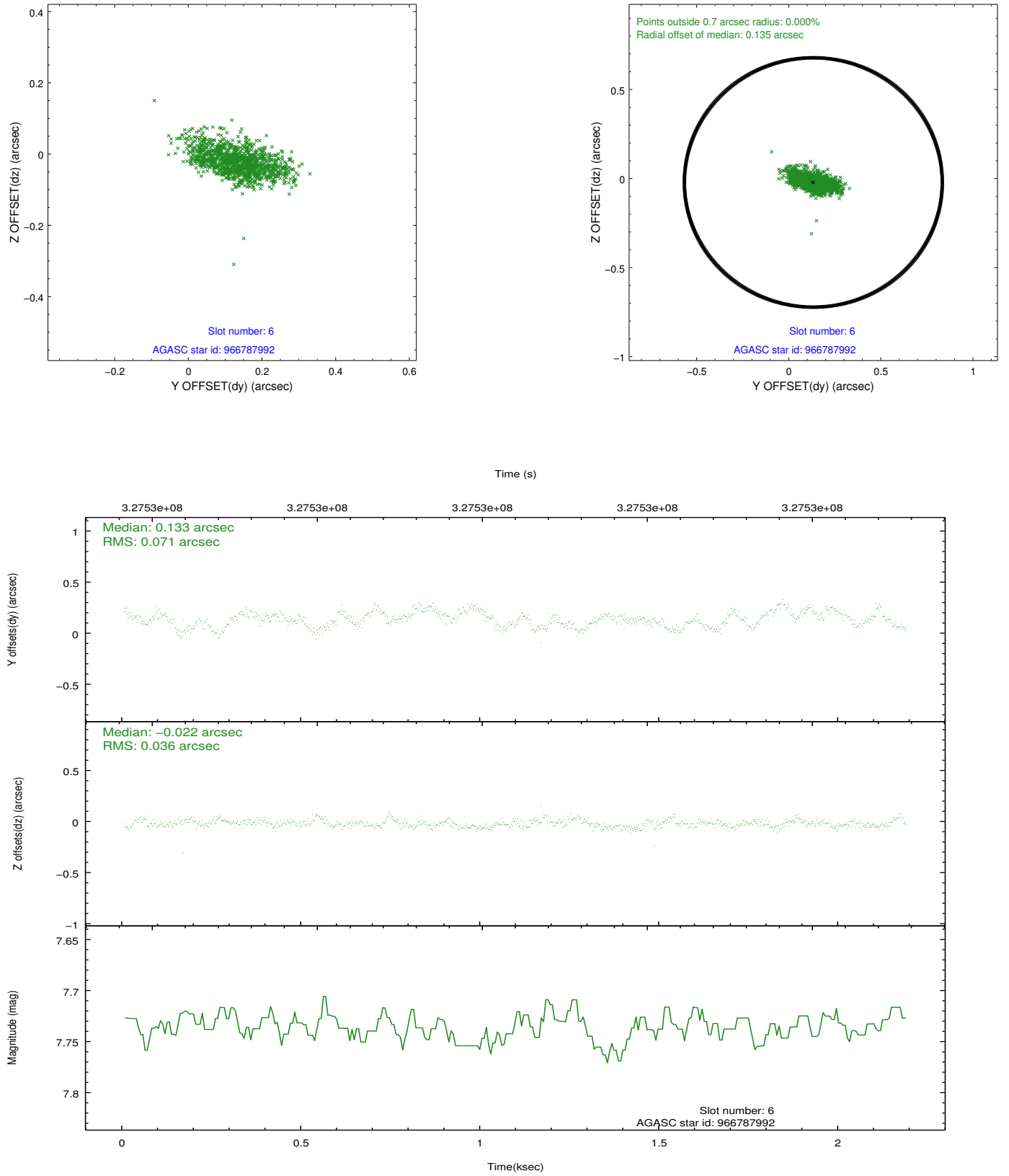
2.4.2 Slot 4



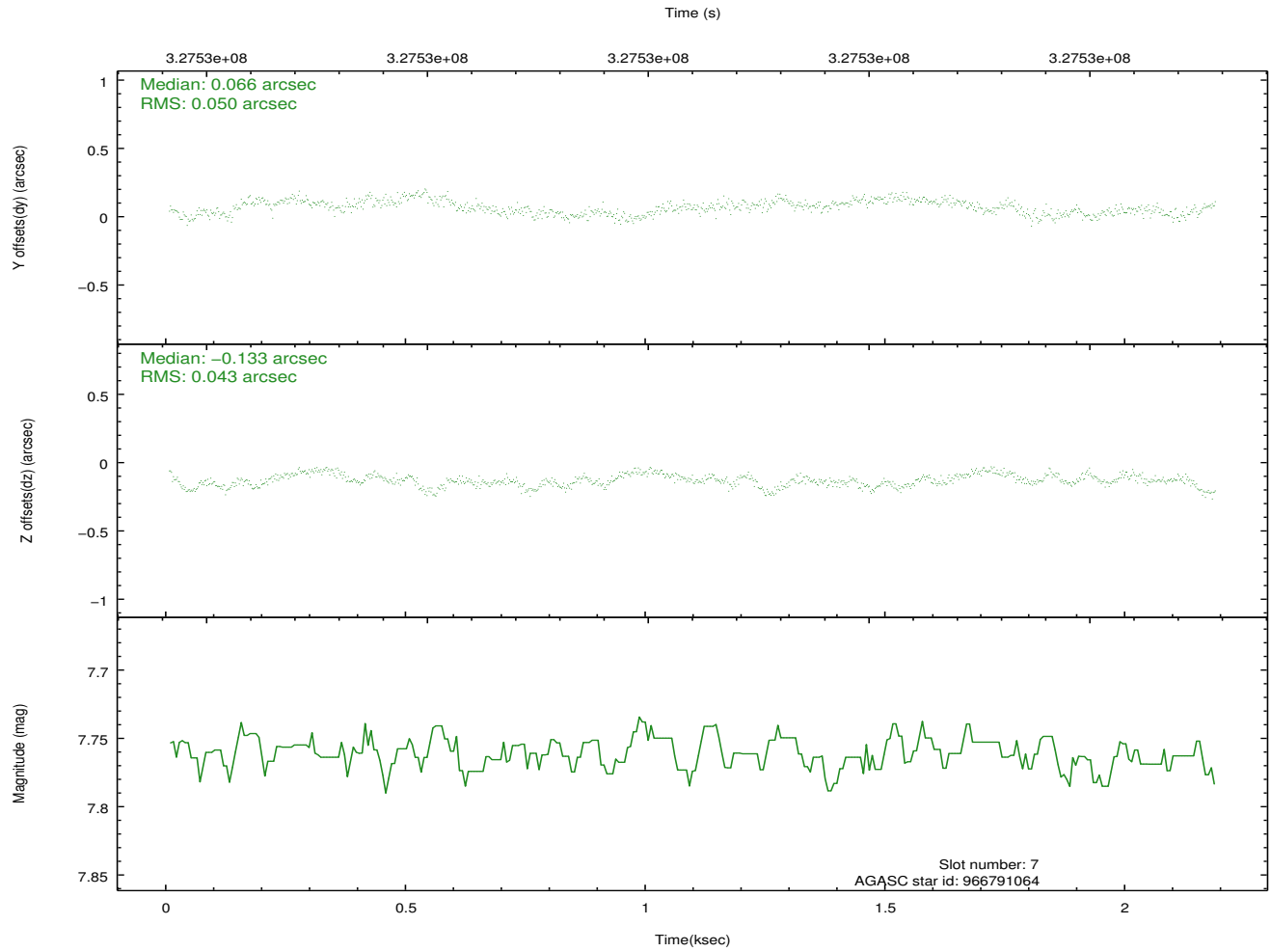
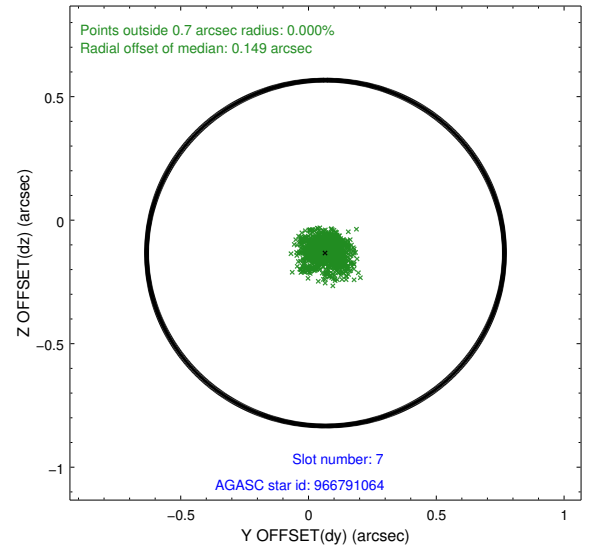
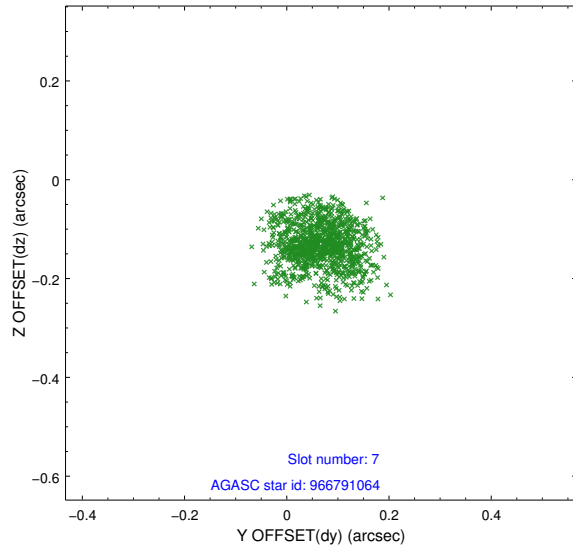
2.4.3 Slot 5



2.4.4 Slot 6

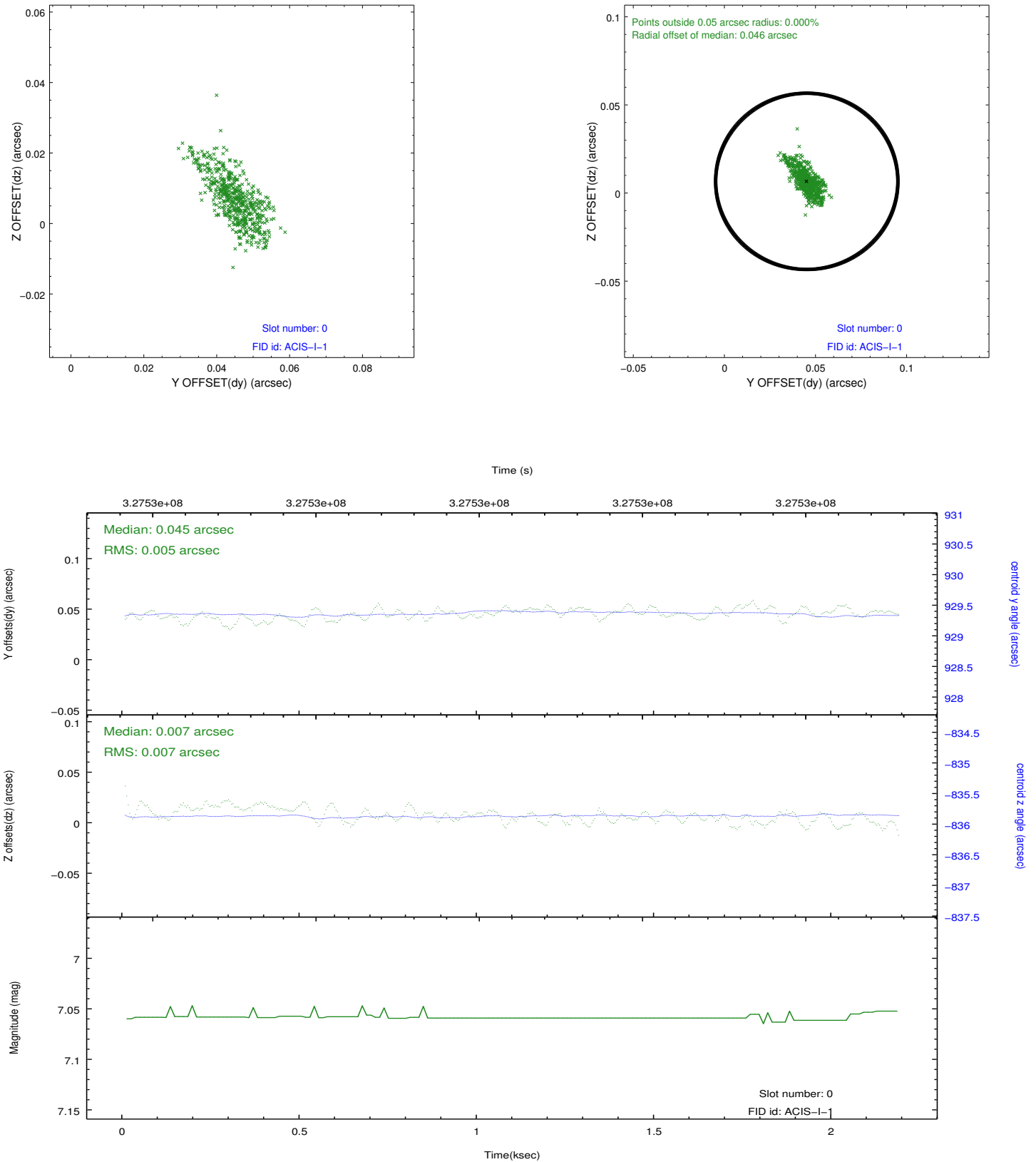


2.4.5 Slot 7

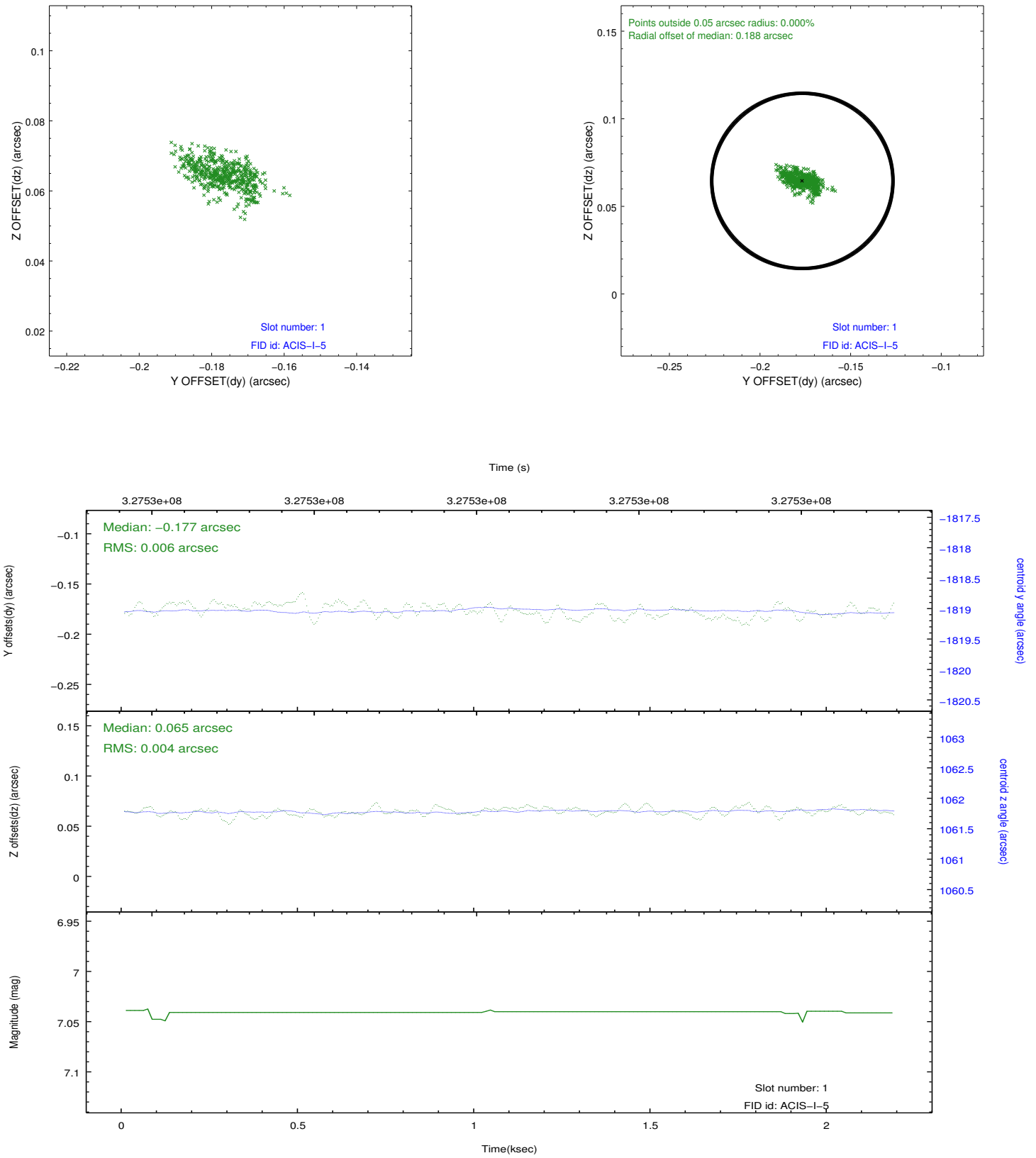


2.5 FID Slots

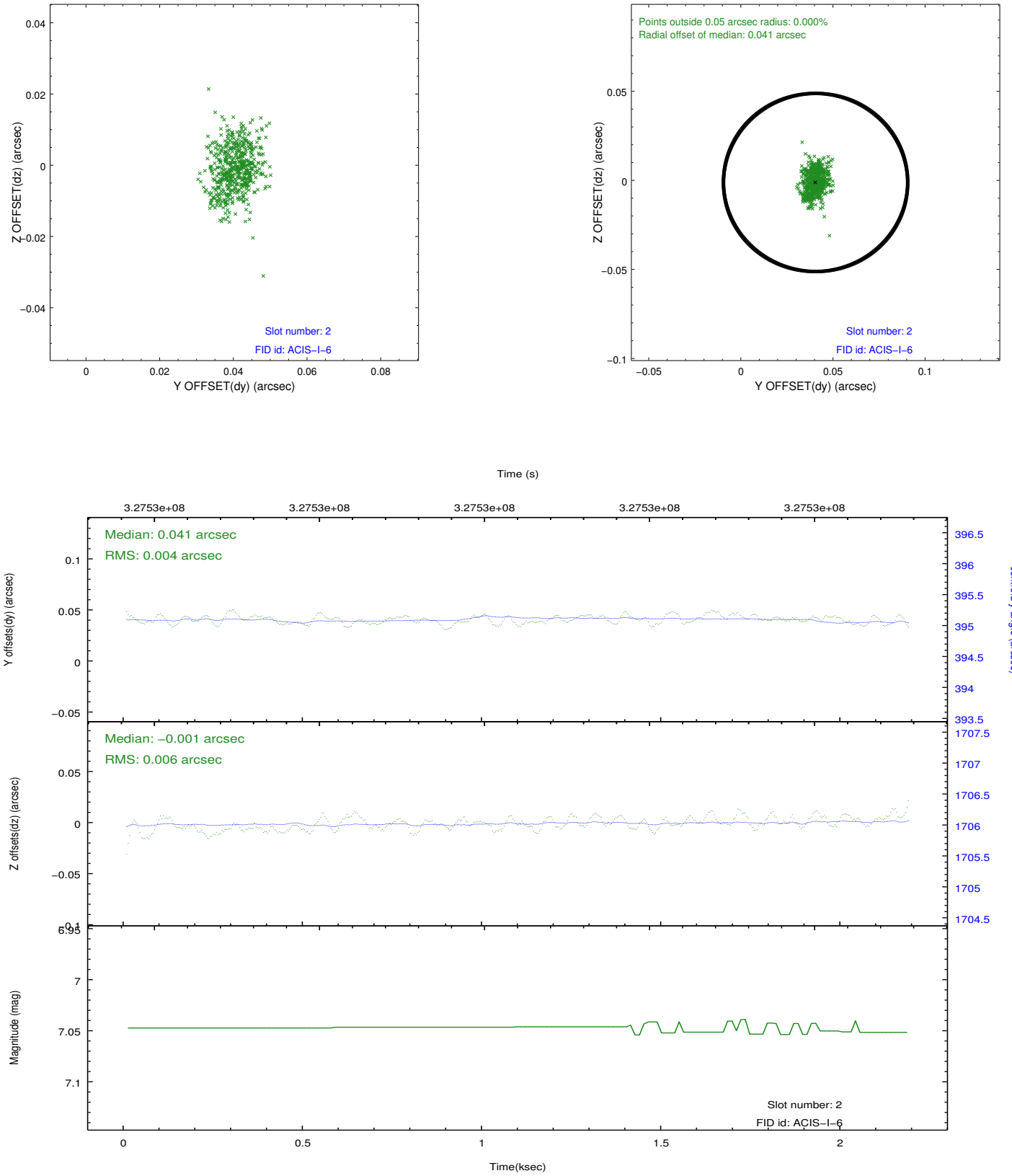
2.5.1 Slot 0



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	2.17305902

A.2 Comments