

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8694 - L2 Version 2
Chandra X-Ray Center

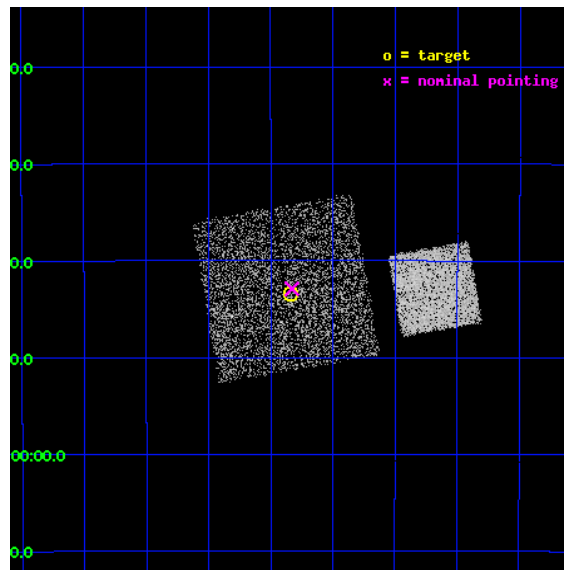
L2 Processing Date : May 15 2012

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1 Front

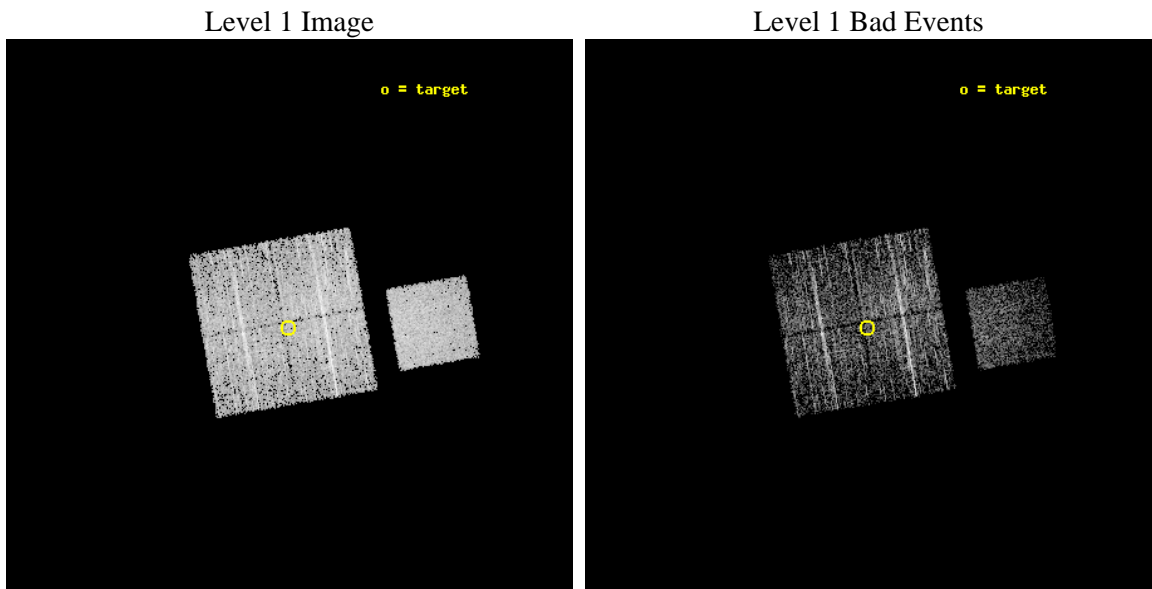
seq_num	400745	Sequence number
obs_id	8694	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.083652	Observer's specified target RA [deg]
dec_targ	-29.723138	Observer's specified target Dec [deg]
ra_nom	264.08239998961	Nominal RA [deg]
dec_nom	-29.715199405781	Nominal Dec [deg]
roll_nom	80.208102915878	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.3000167608	Sum of GTIs [s]
livetime	2150.8258576645	Livetime [s]
ontime0	2179.3000167608	Sum of GTIs [s]
ontime1	2179.3000167608	Sum of GTIs [s]
ontime2	2179.3000167608	Sum of GTIs [s]
ontime3	2179.3000167608	Sum of GTIs [s]
ontime7	2179.3000167608	Sum of GTIs [s]
l2events	15809	Number of level 2 events



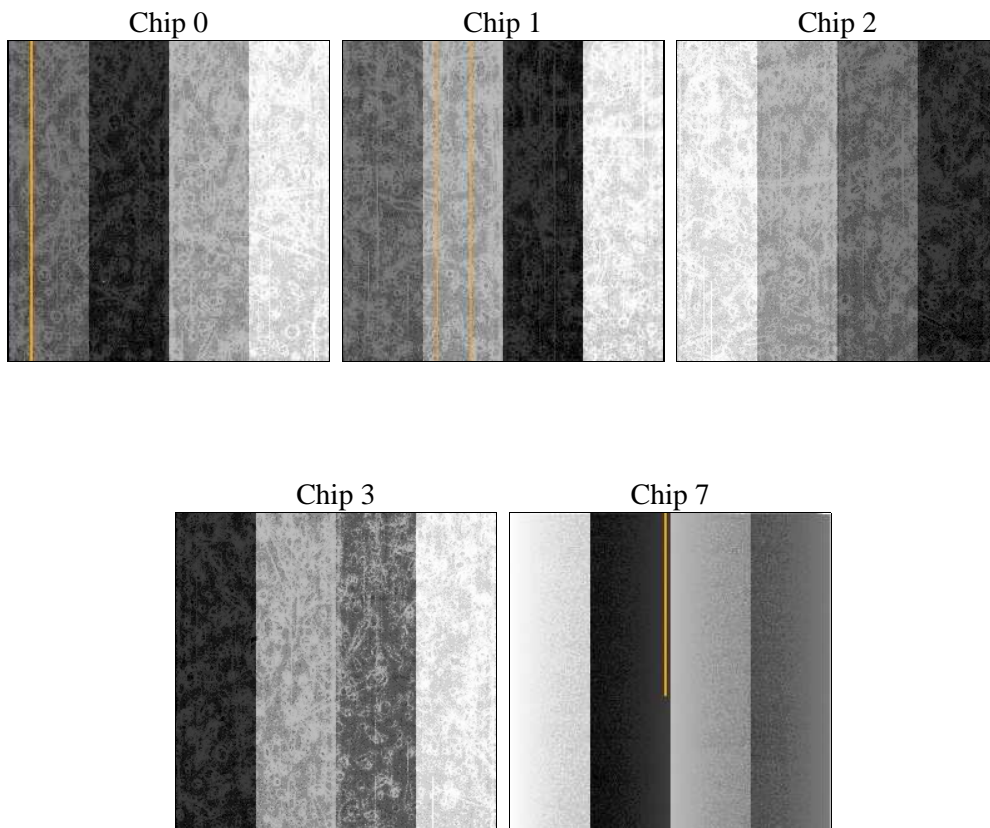
2 OBI

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	2179.3000167608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2179.3000167608	Sum of GTIs [s]
date	2012-05-15T04:52:07	Date and time of file creation	ontime1	2179.3000167608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2179.3000167608	Sum of GTIs [s]
			ontime3	2179.3000167608	Sum of GTIs [s]
			ontime7	2179.3000167608	Sum of GTIs [s]
			l1events	103429	Number of level 1 events

2.1.4 Events

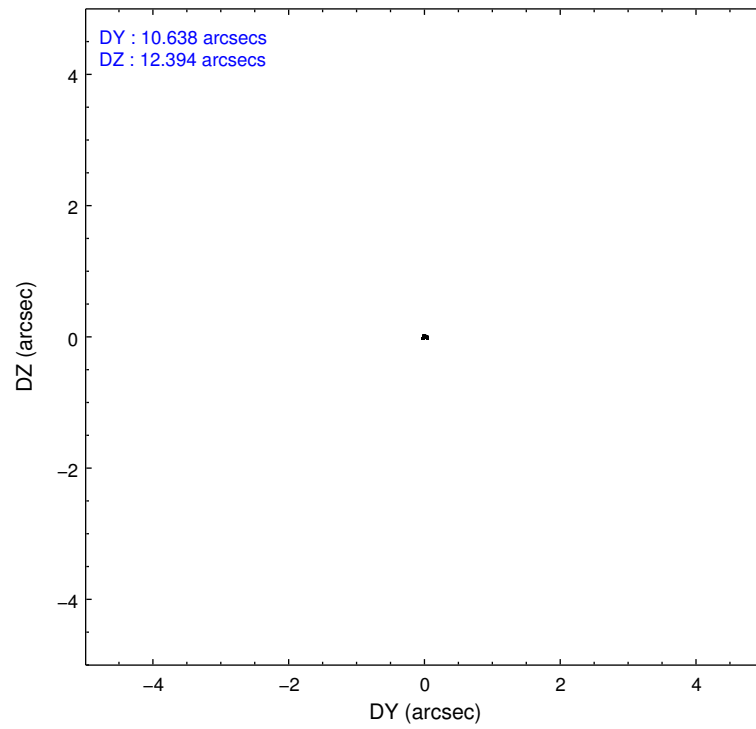
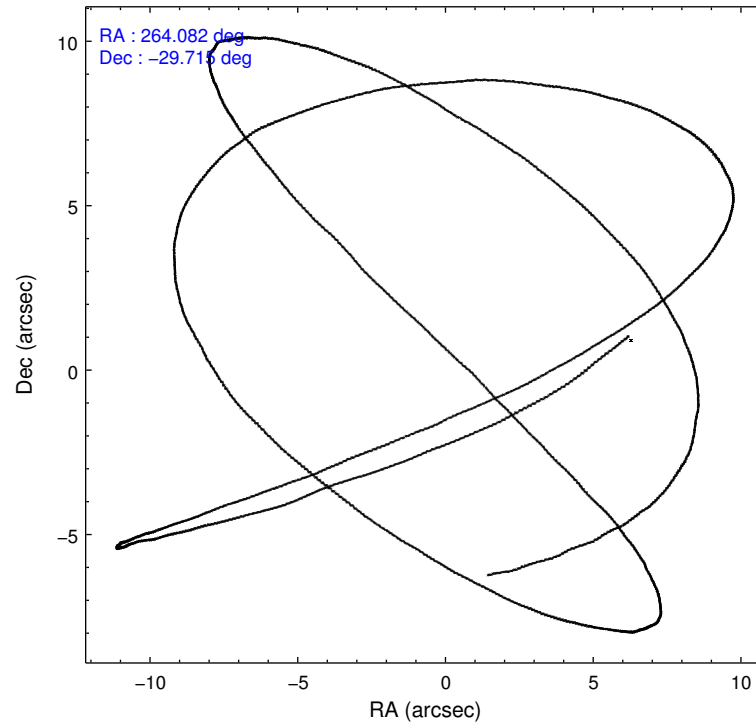
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18169	18675	23022	20759	22804
rejected events	16156	16429	20997	18723	13689
rejected %	88%	87%	91%	90%	60%

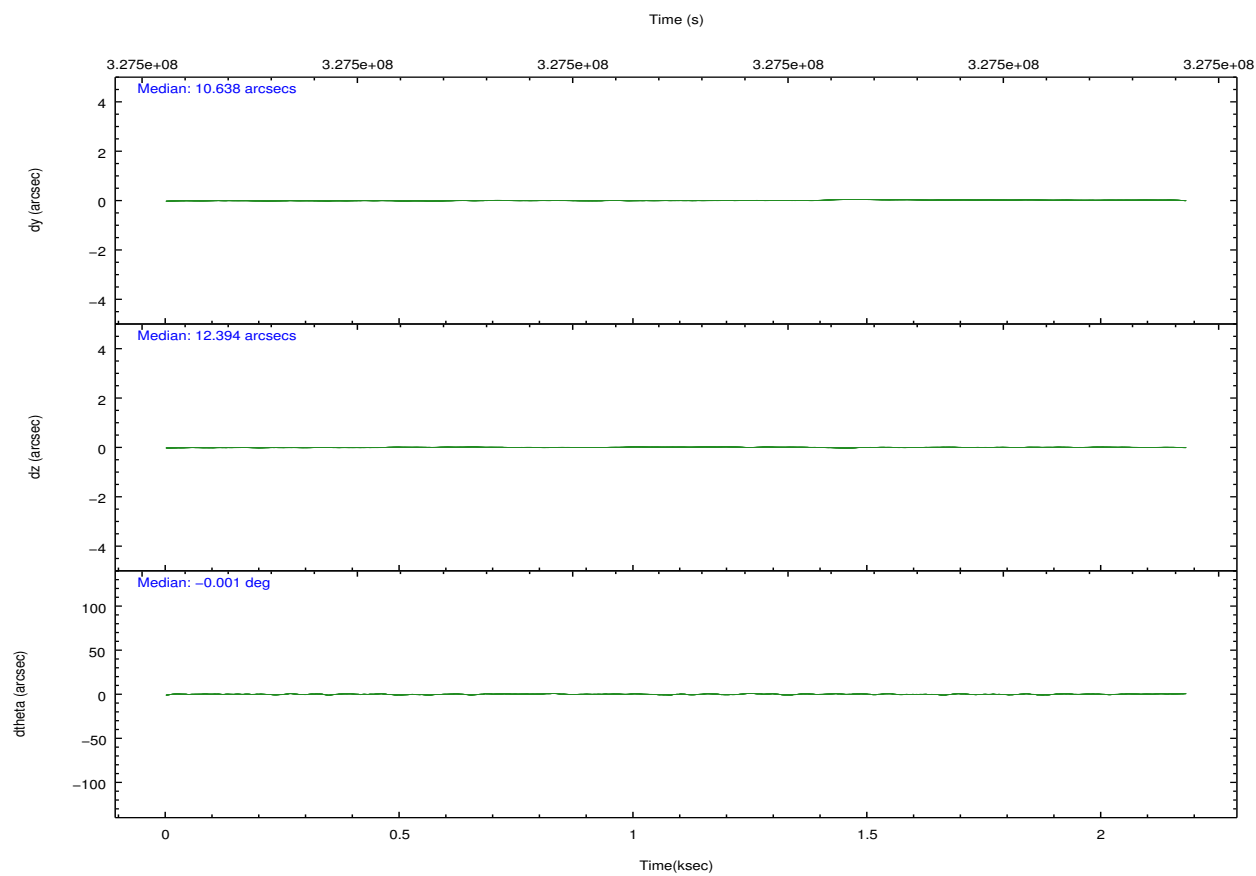
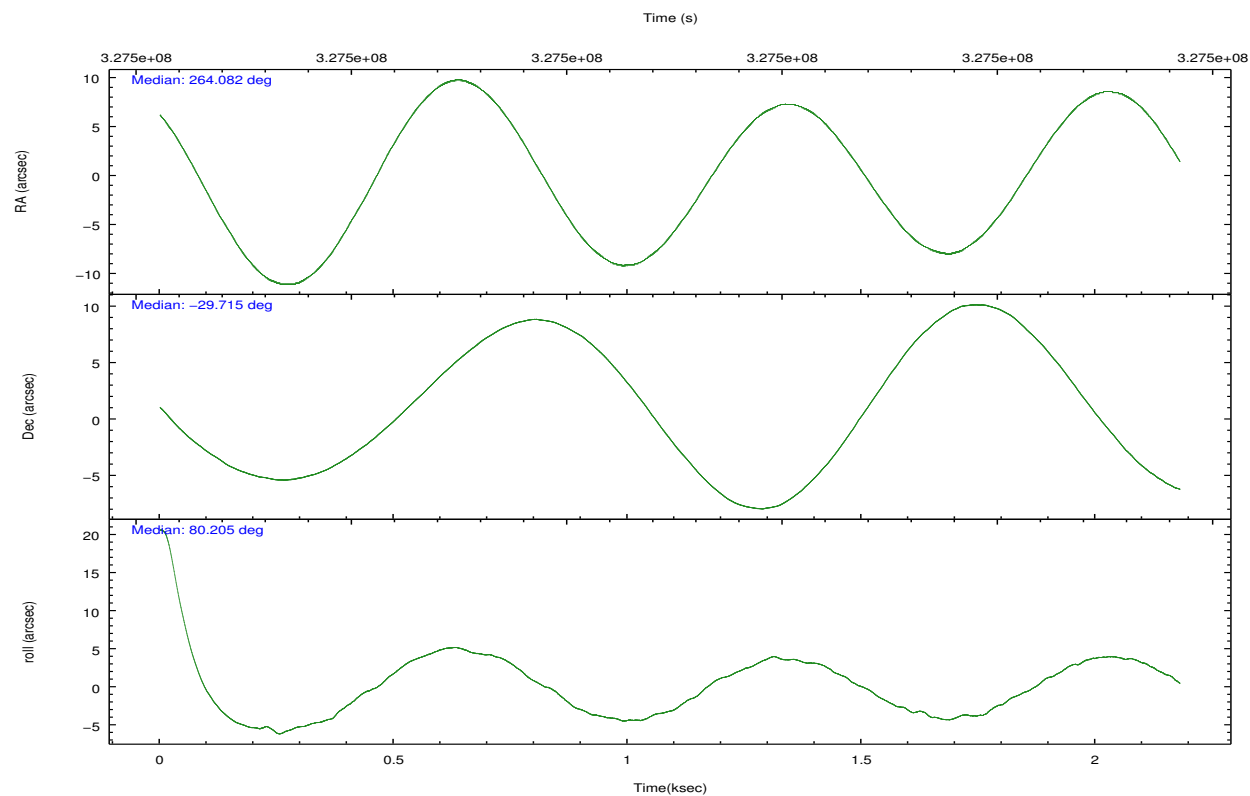
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	943	1070	934	965	1033
	5%	5%	4%	4%	4%
grade 1 events	12	4	16	12	35
	0%	0%	0%	0%	0%
grade 2 events	519	603	567	480	2161
	2%	3%	2%	2%	9%
grade 3 events	231	228	207	245	944
	1%	1%	0%	1%	4%
grade 4 events	199	252	213	214	901
	1%	1%	0%	1%	3%
grade 5 events	698	712	655	765	2383
	3%	3%	2%	3%	10%
grade 6 events	433	426	378	448	5472
	2%	2%	1%	2%	23%
grade 7 events	15134	15380	20052	17630	9875
	83%	82%	87%	84%	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	264.093500	264.0823999896083	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.740889	-29.71519940578074	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004890	80.20810291587829	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)	327497334.184000	327496957.90935	CCD S5 on	N	N
Observation start date	2008-05-18T11:27:49	2008-05-18T11:22:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327499334.184000	327499468.13448	On-chip summing requested	N	N
Observation end date	2008-05-18T12:01:09	2008-05-18T12:04:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



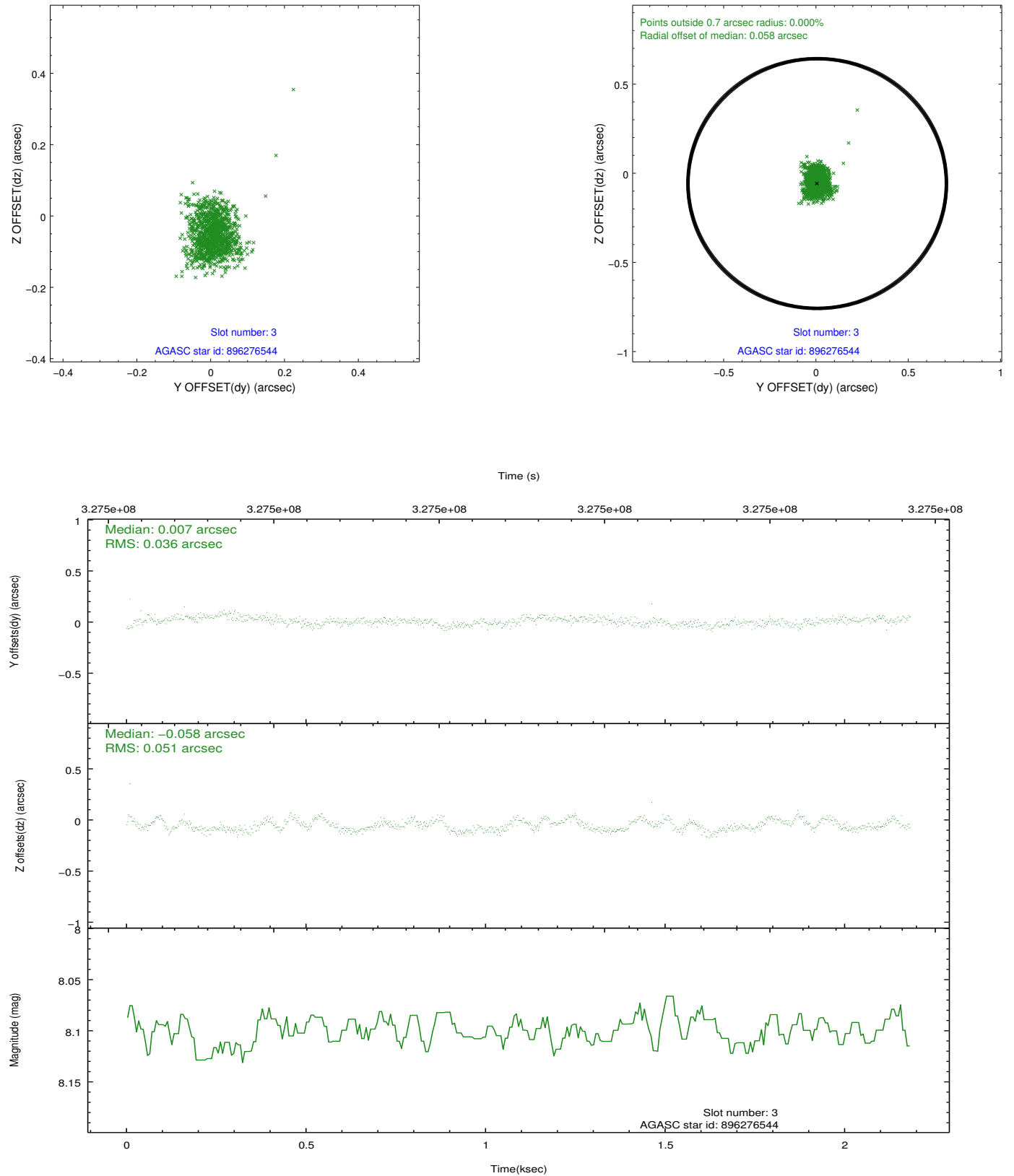


Slot Statistics

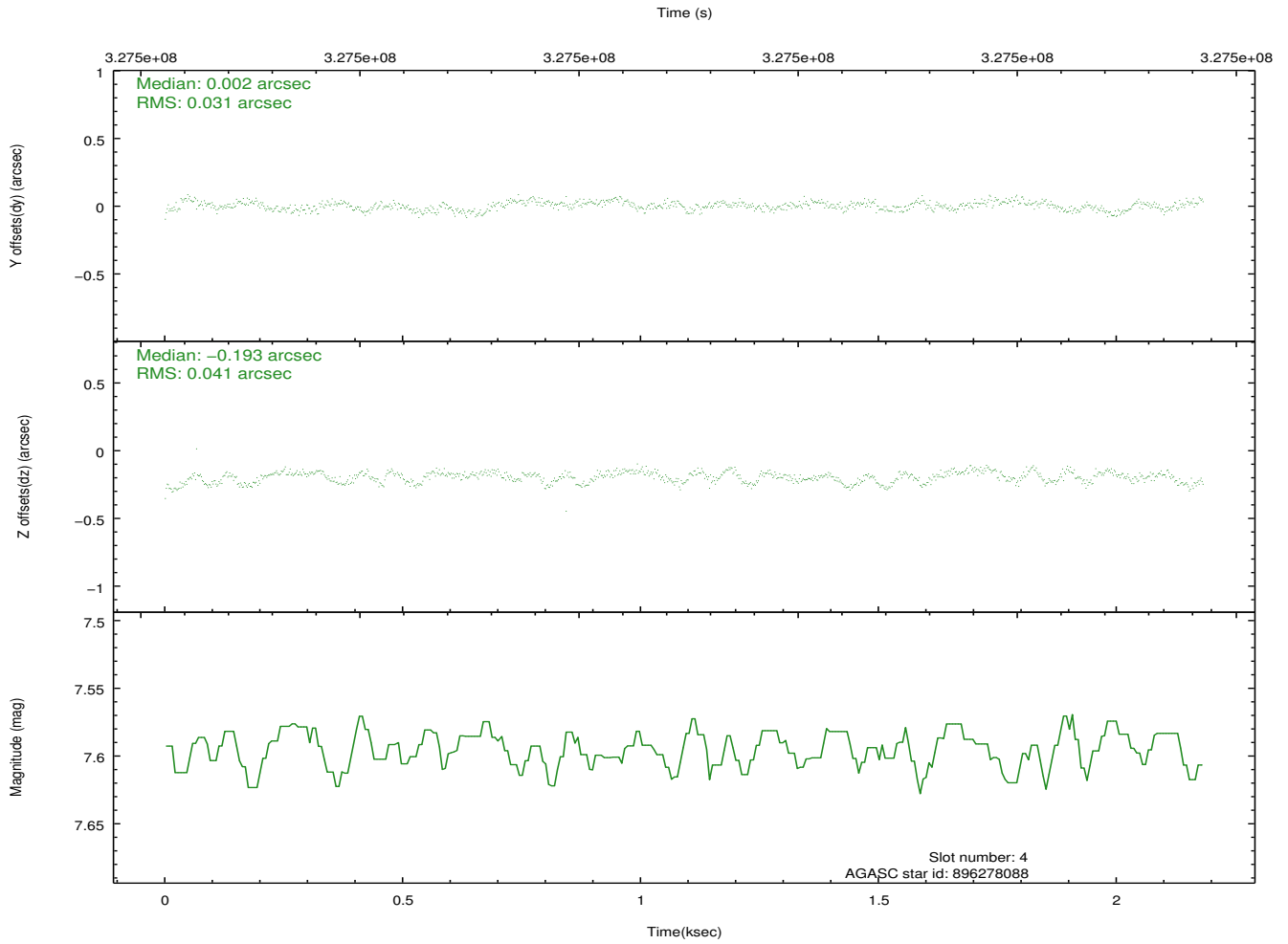
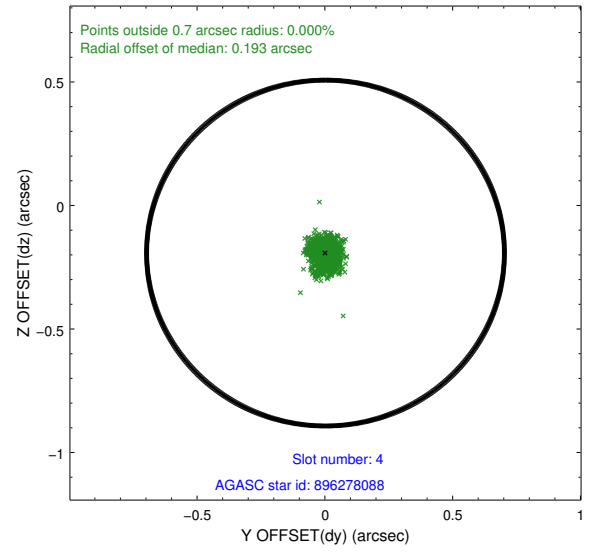
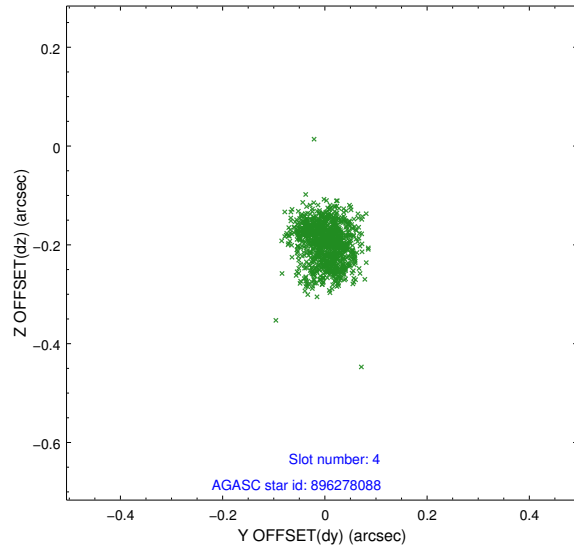
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	532	0.037	0.017	0.006	0.010	0.000000	0.000000	928.97	-835.92
1	FID	ACIS-I-5	7.04	532	-0.165	0.061	0.006	0.009	0.000000	0.000000	-1817.67	1060.14
2	FID	ACIS-I-6	7.05	532	0.037	-0.007	0.007	0.011	0.000000	0.000000	391.28	1707.95
3	GUIDE	896276544	8.10	1065	0.007	-0.058	0.064	0.103	263.666616	-29.255819	1484.89	1623.04
4	GUIDE	896278088	7.59	1063	0.002	-0.193	0.054	0.085	263.476198	-29.223388	1494.69	2233.82
5	GUIDE	896278192	8.69	1065	-0.174	-0.074	0.068	0.105	263.596121	-29.333327	1172.21	1793.39
6	GUIDE	896404376	6.68	1065	-0.082	0.327	0.052	0.084	264.835179	-29.530972	1141.63	-2156.08
7	GUIDE	966791064	7.75	1062	0.250	0.000	0.055	0.083	263.920275	-30.338943	-2212.51	154.04

2.4 Star Slots

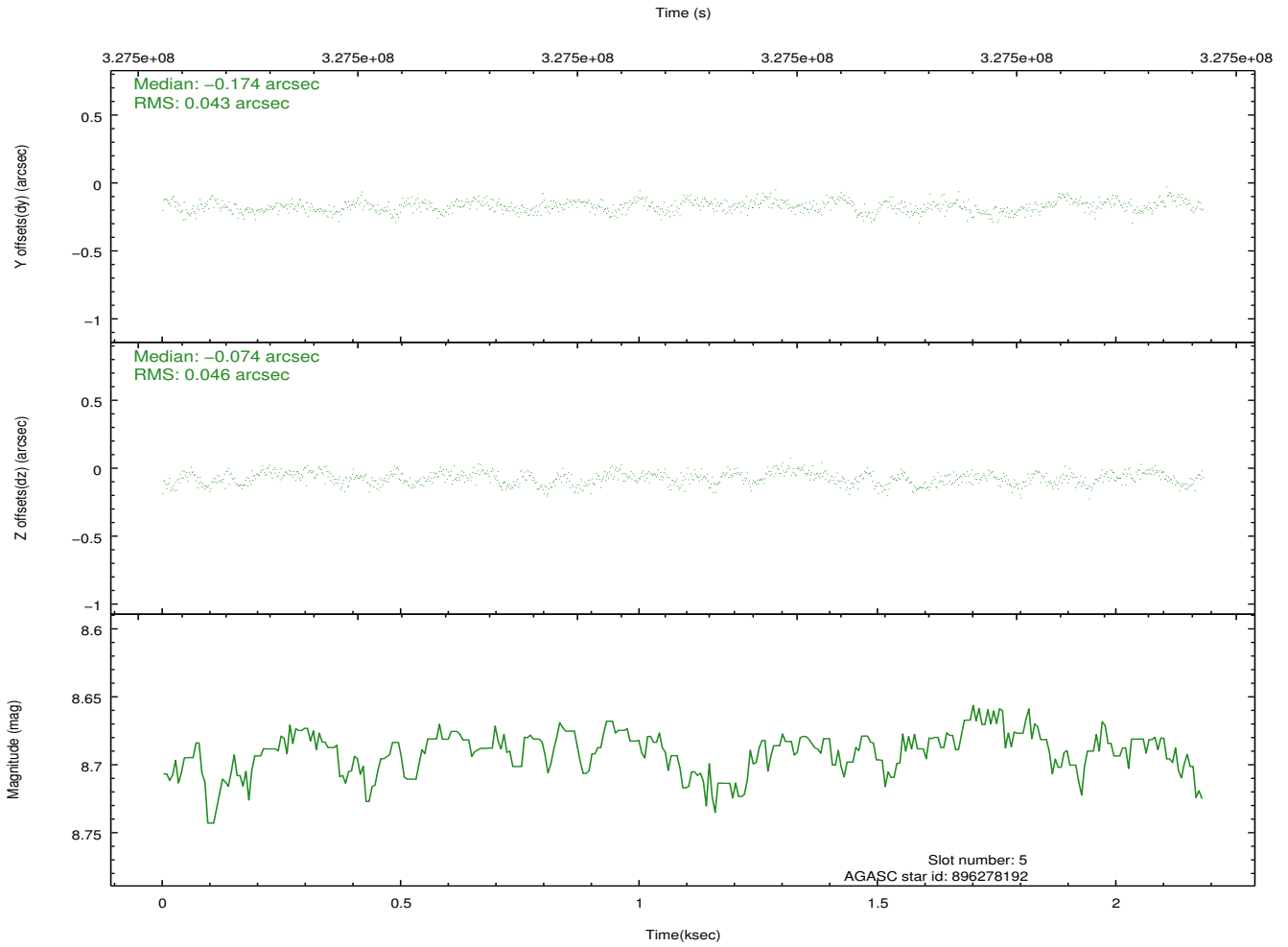
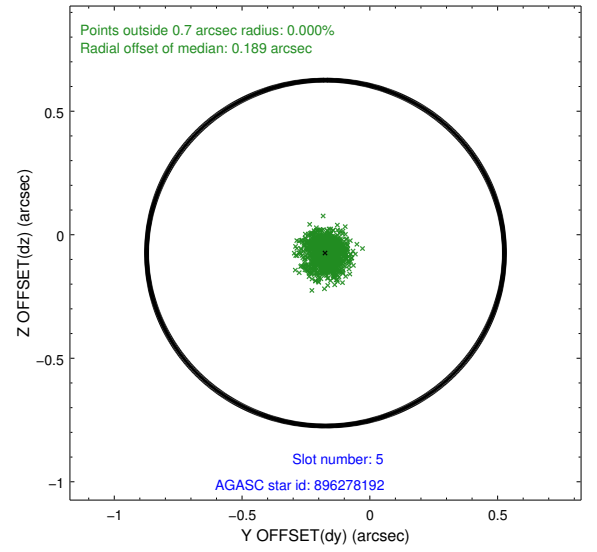
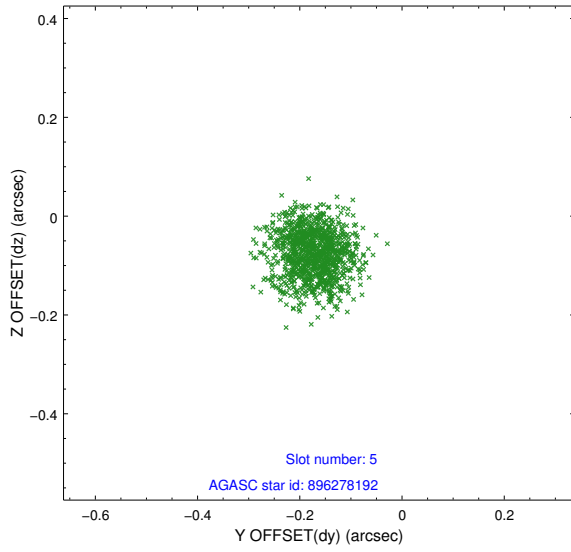
2.4.1 Slot 3



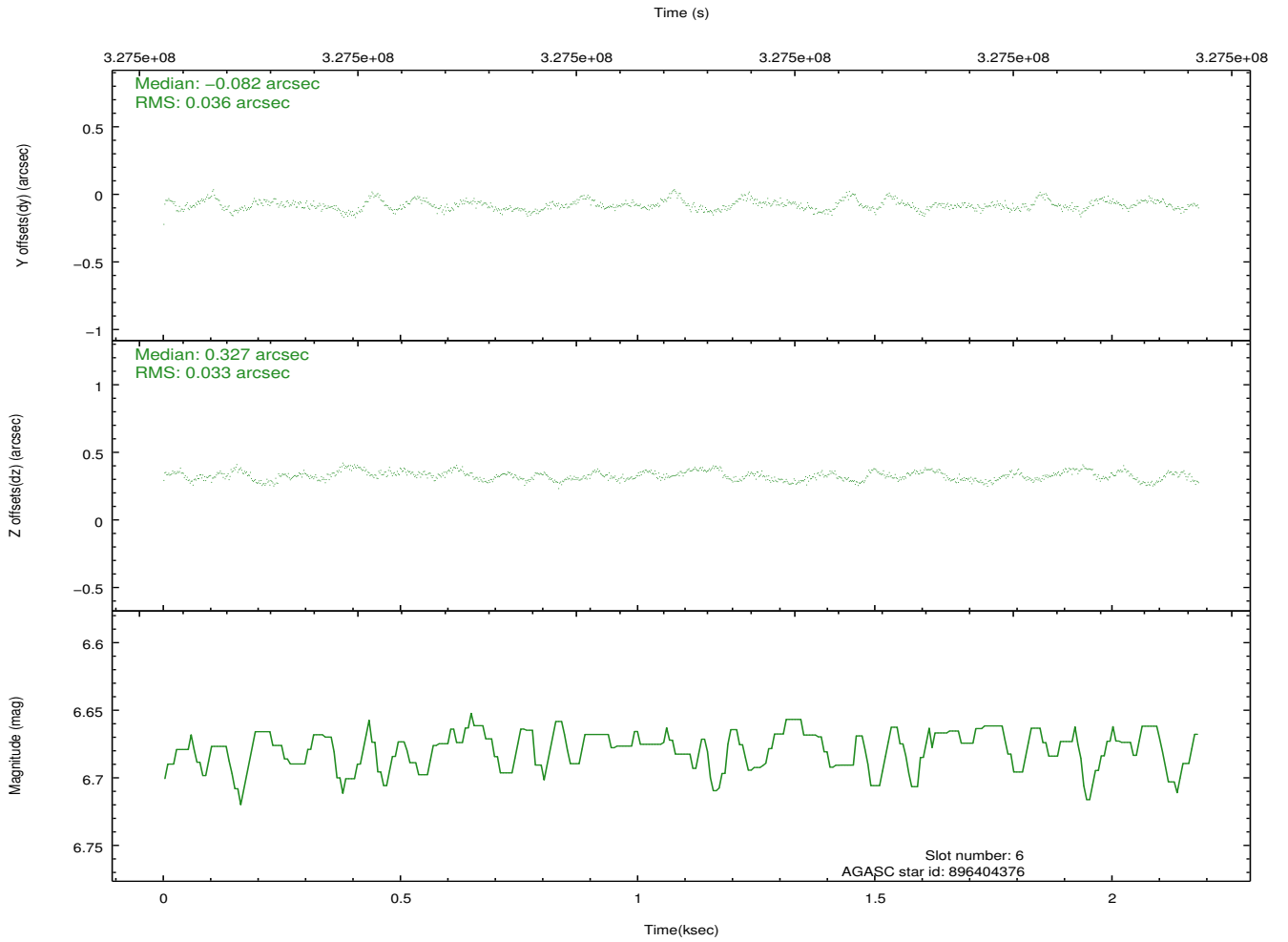
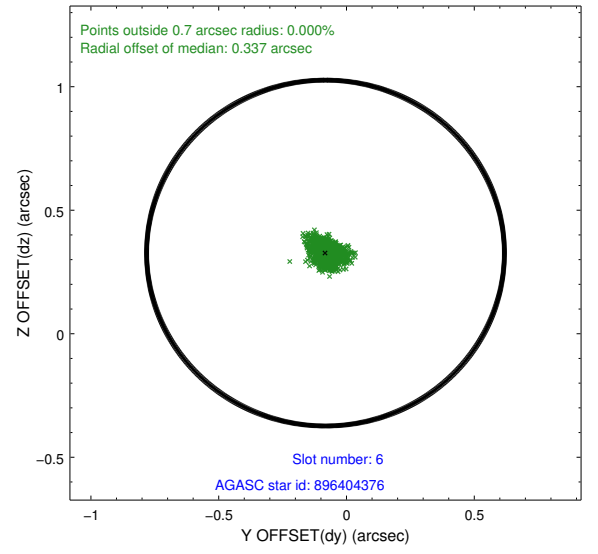
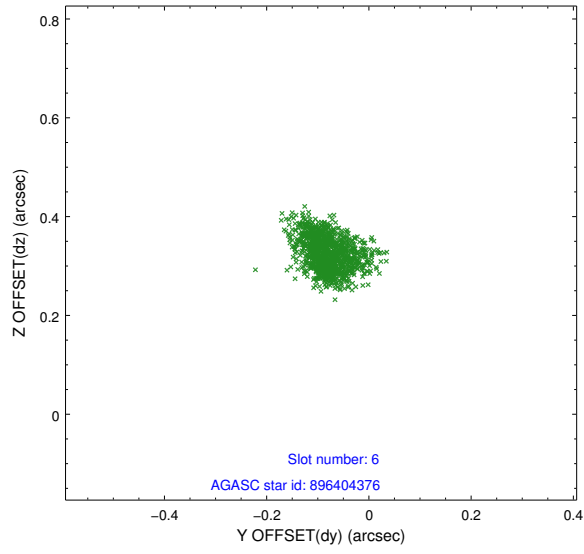
2.4.2 Slot 4



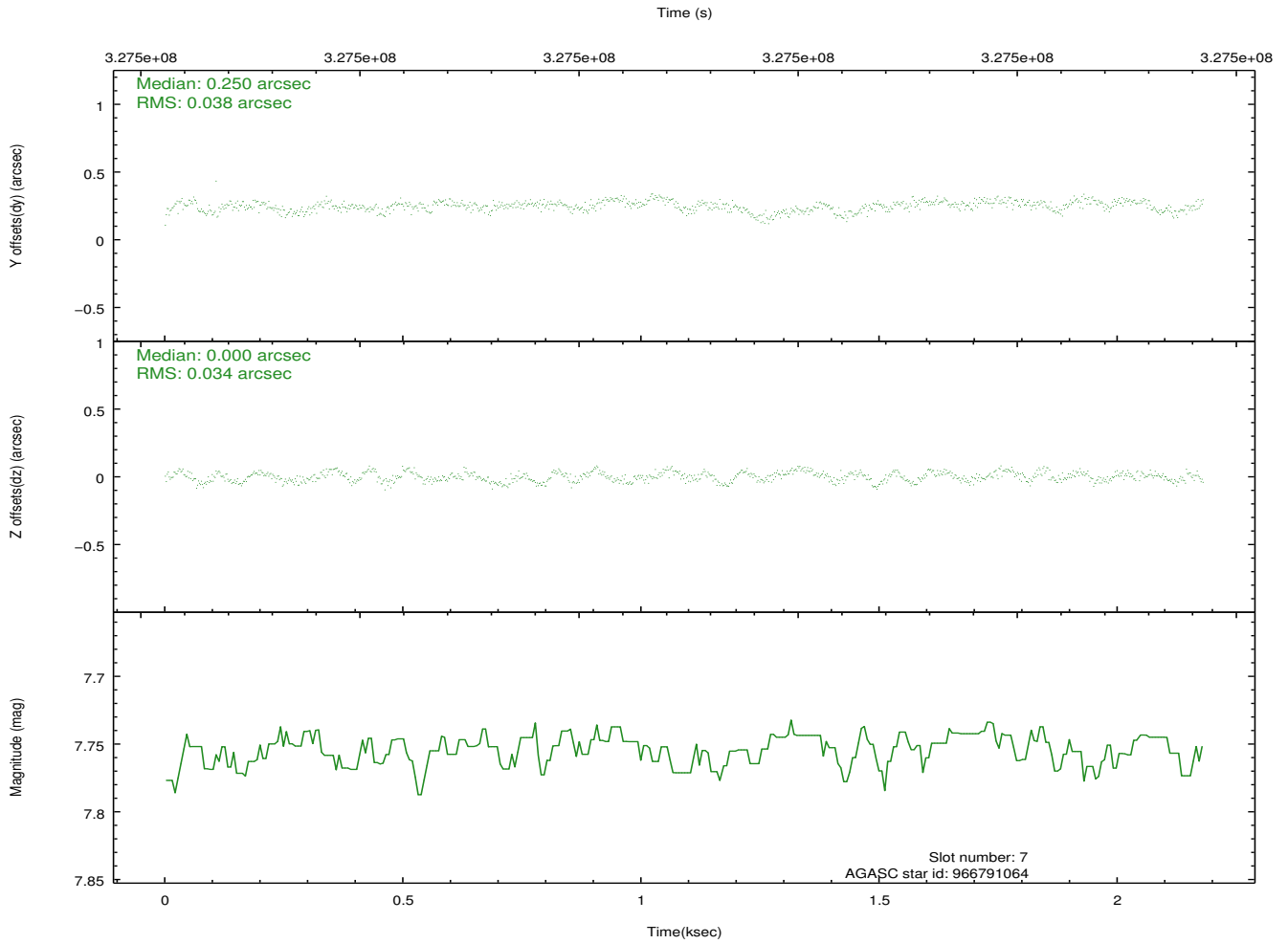
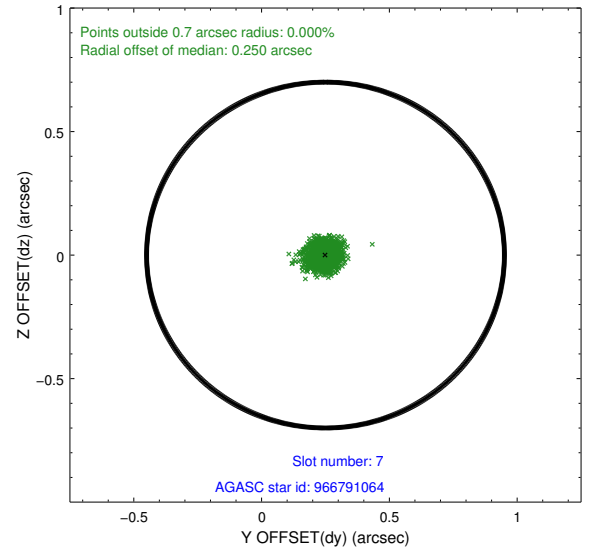
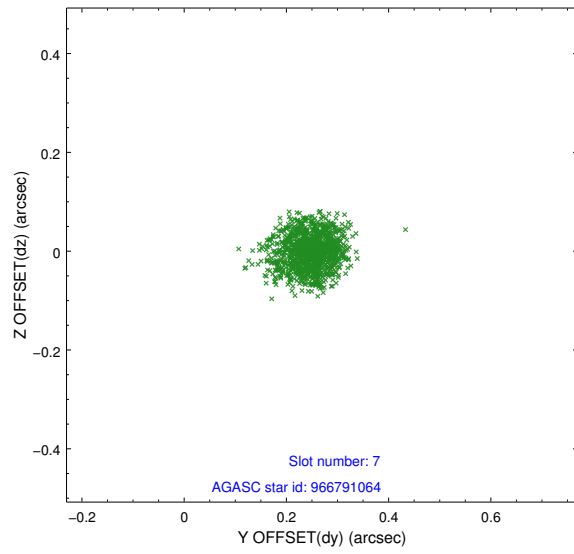
2.4.3 Slot 5



2.4.4 Slot 6

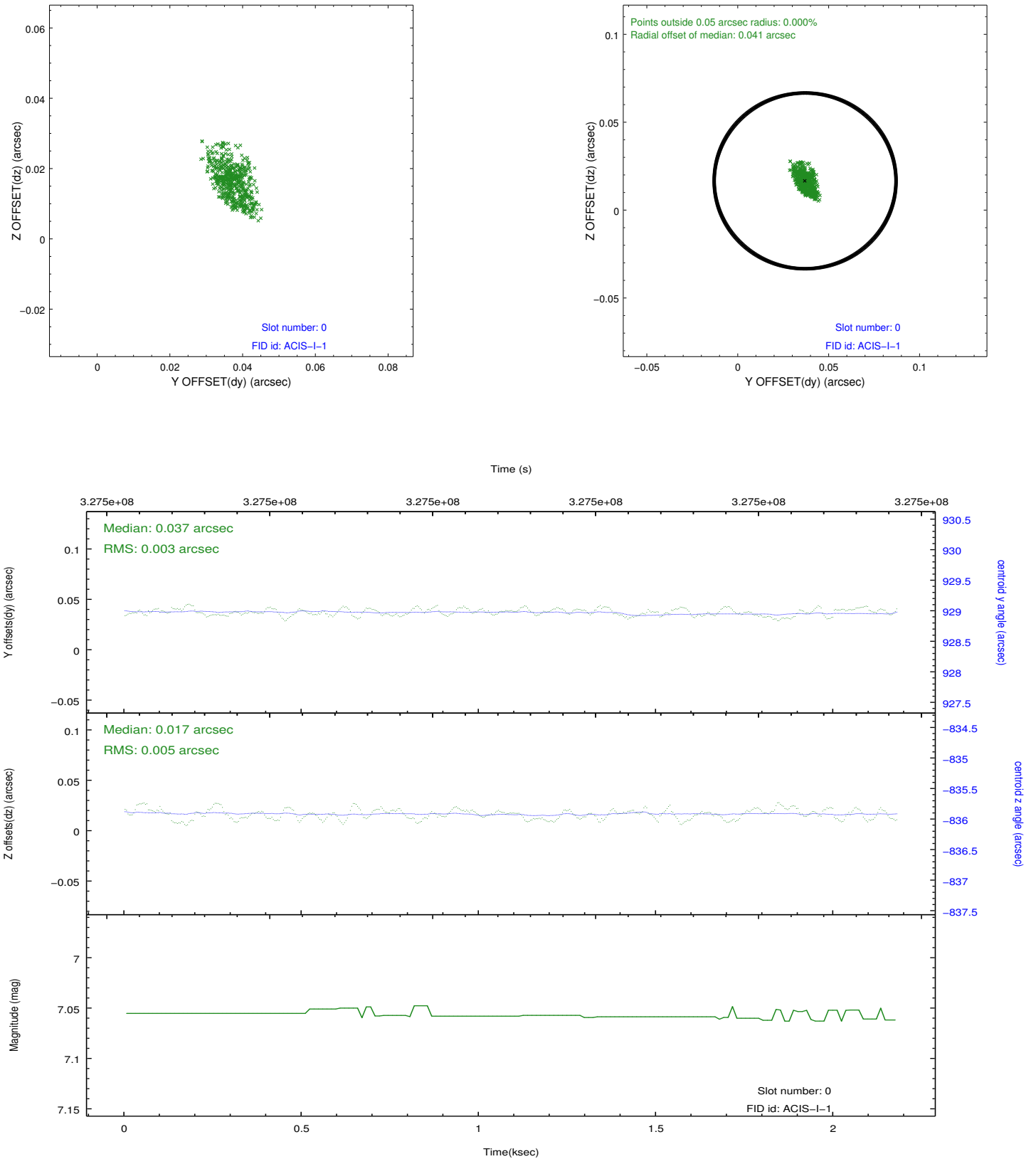


2.4.5 Slot 7

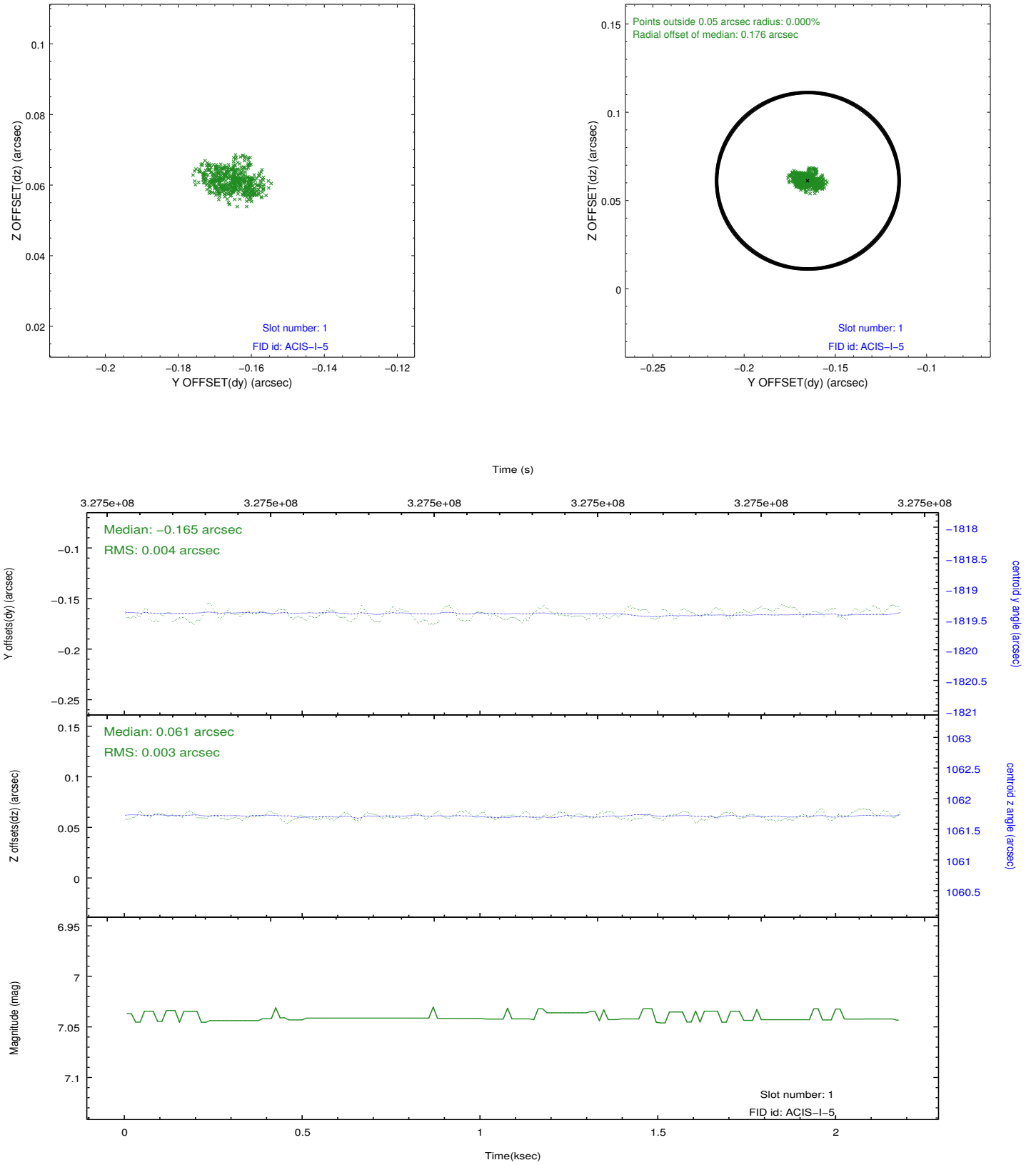


2.5 FID Slots

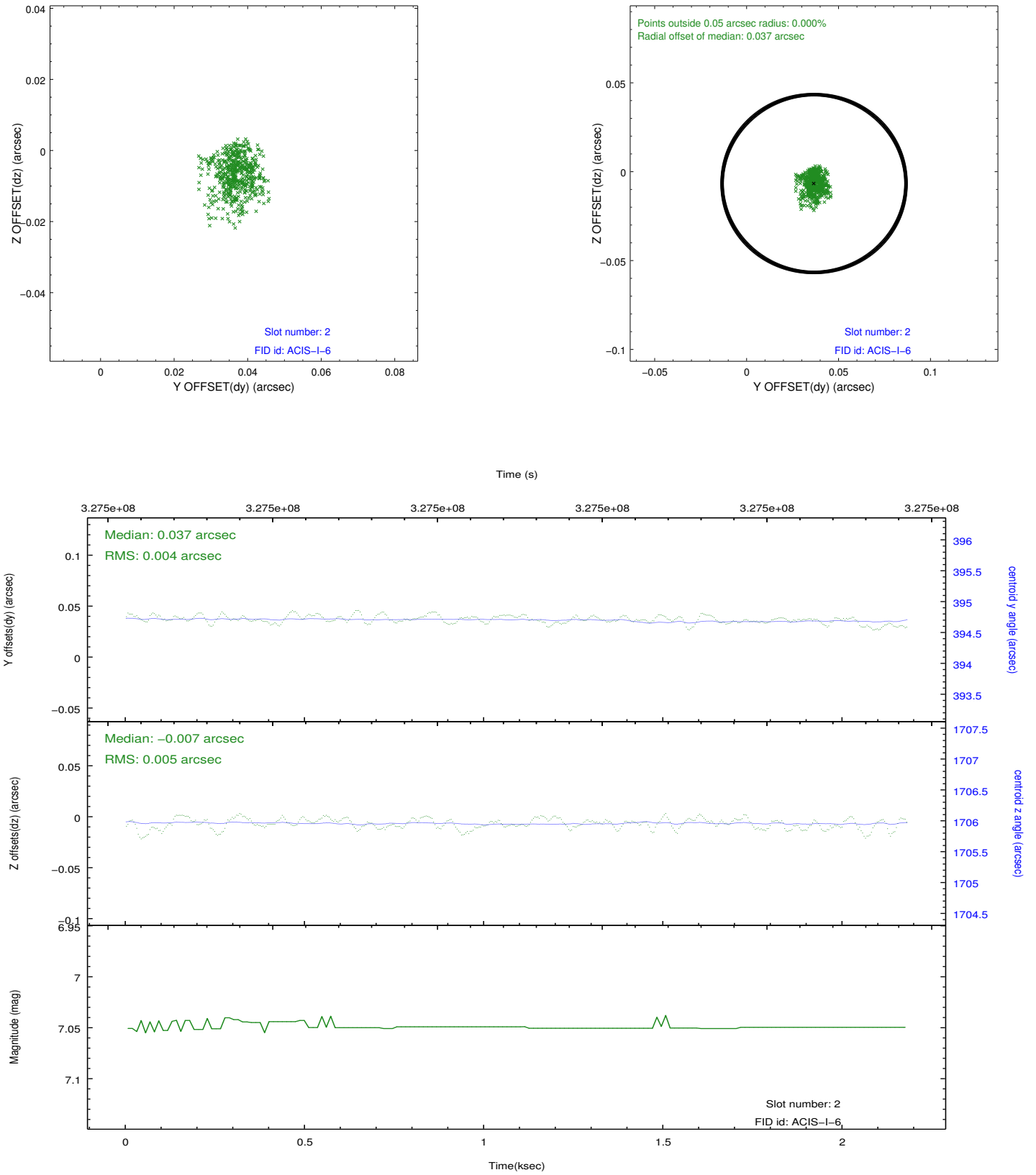
2.5.1 Slot 0



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	2.17930001

A.2 Comments