

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11802 - L2 Version 2
Chandra X-Ray Center

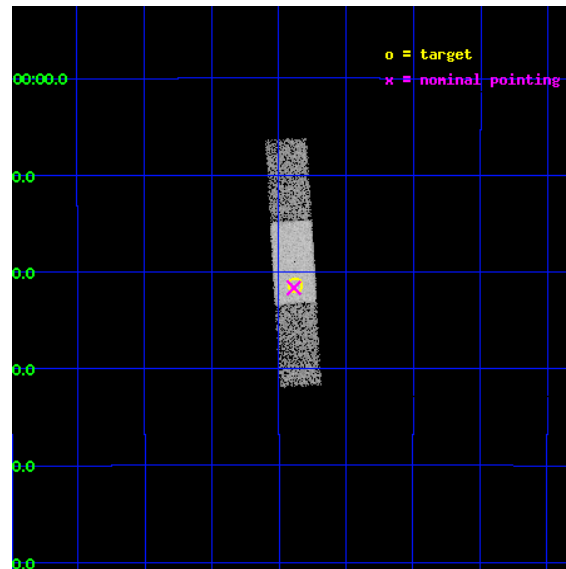
L2 Processing Date : Jun 11 2012

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1 Front

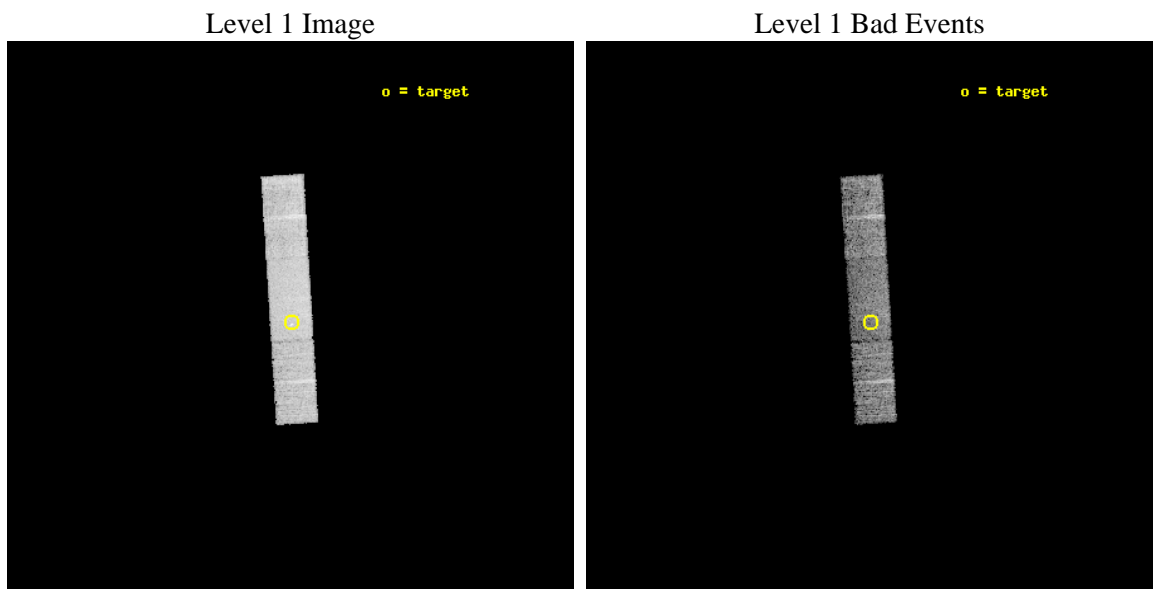
seq_num	401124	Sequence number
obs_id	11802	Observation id
title	Following the Decay of NGC 6440 X-2	Proposal title
observer	Prof. Craig Heinke	Principal investigator
object	NGC 6440 X-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.219583	Observer's specified target RA [deg]
dec_targ	-20.356667	Observer's specified target Dec [deg]
ra_nom	267.22203546744	Nominal RA [deg]
dec_nom	-20.360977860821	Nominal Dec [deg]
roll_nom	266.5167748031	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5035.2000750303	Sum of GTIs [s]
livetime	4909.2771169798	Livetime [s]
ontime6	5035.2000750303	Sum of GTIs [s]
ontime7	5035.2000750303	Sum of GTIs [s]
ontime8	5035.2000750303	Sum of GTIs [s]
l2events	22778	Number of level 2 events



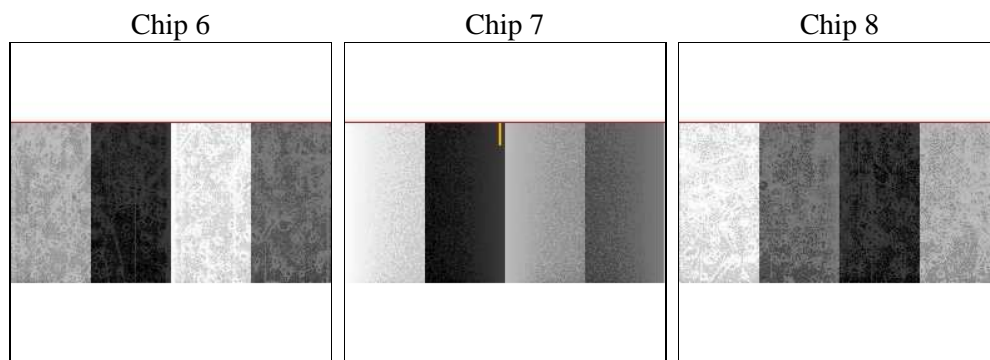
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5035.2000750303	Sum of GTIs [s]
caldsver	4.4.10	 	ontime6	5035.2000750303	Sum of GTIs [s]
date	2012-06-11T15:10:17	Date and time of file creation	ontime7	5035.2000750303	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	5035.2000750303	Sum of GTIs [s]
			l1events	101831	Number of level 1 events

2.1.4 Events

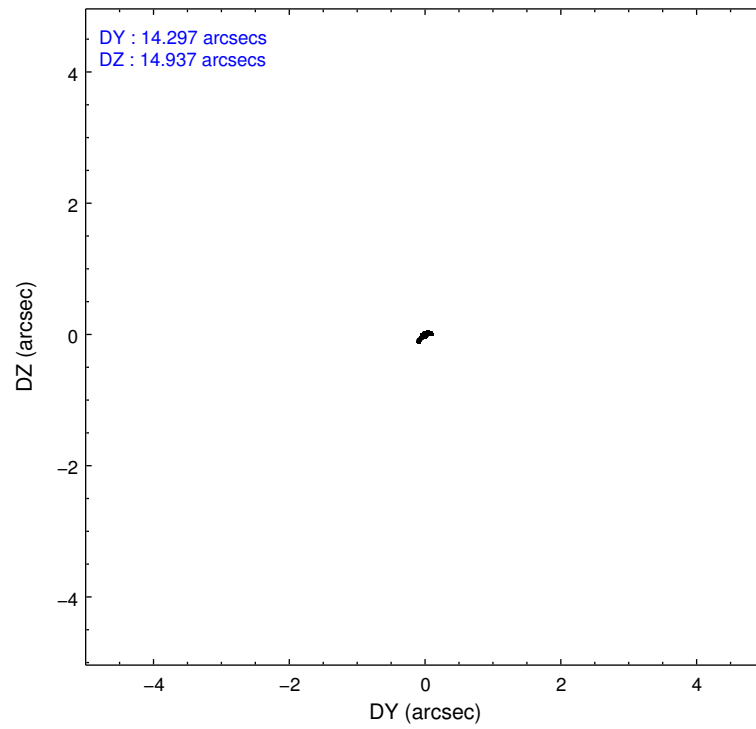
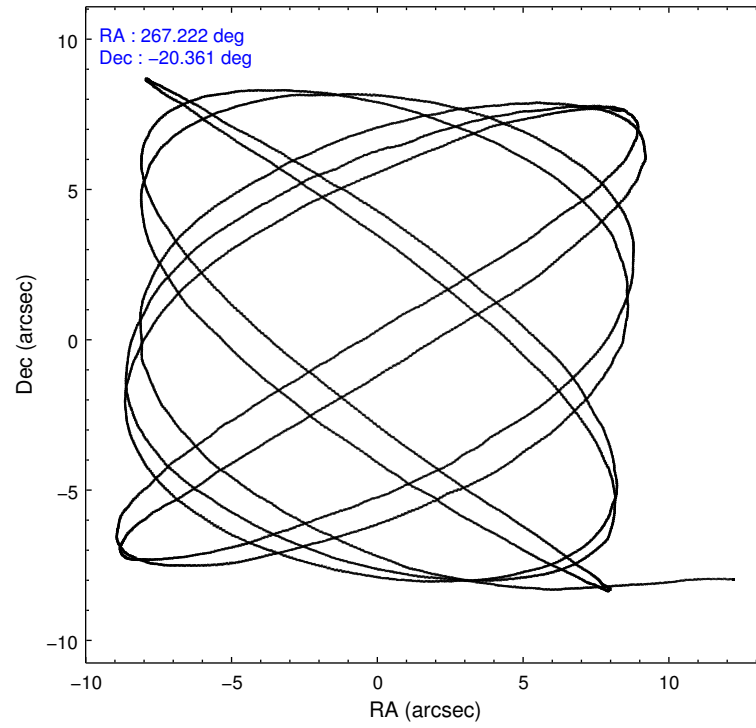
	ccd 6	ccd 7	ccd 8
level 1 events	28340	38071	35420
rejected events	24698	21384	27190
rejected %	87%	56%	76%

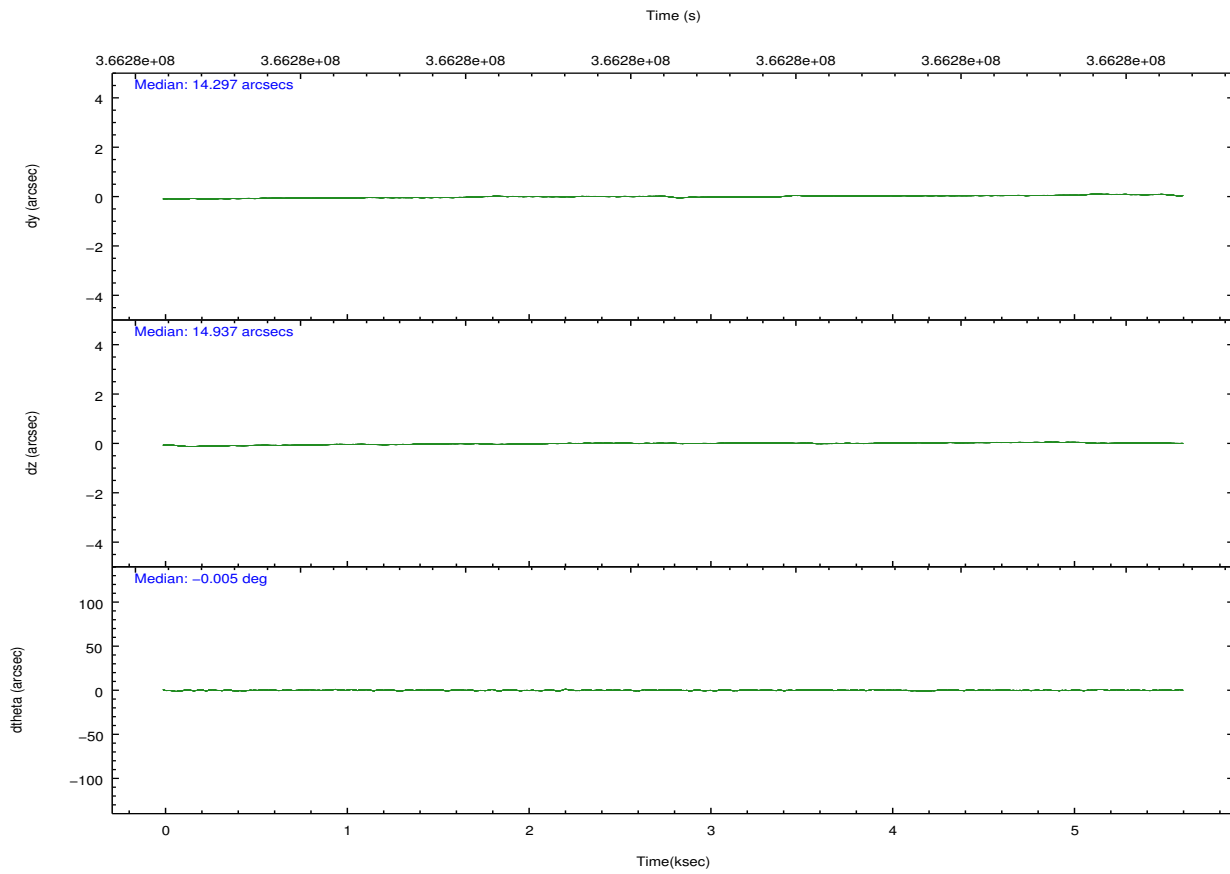
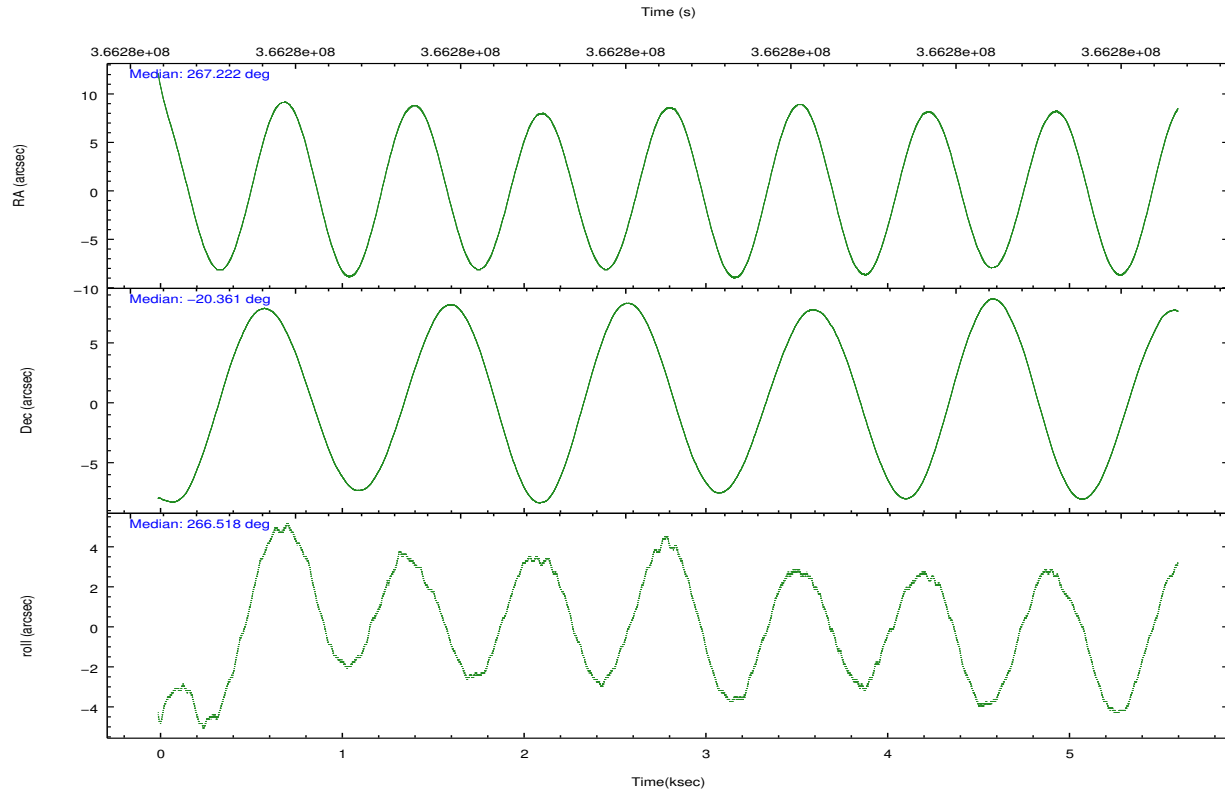
	ccd 6	ccd 7	ccd 8
grade 0 events	1456	1571	2660
	5%	4%	7%
grade 1 events	13	42	22
	0%	0%	0%
grade 2 events	710	3422	1755
	2%	8%	4%
grade 3 events	400	1604	964
	1%	4%	2%
grade 4 events	392	1557	956
	1%	4%	2%
grade 5 events	1311	3487	1632
	4%	9%	4%
grade 6 events	685	8538	1895
	2%	22%	5%
grade 7 events	23373	17850	25536
	82%	46%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	267.208655	267.2220354674447	CCD I2 on	N	N
[deg] Pointing Dec	-20.336639	-20.36097786082123	CCD I3 on	N	N
[deg] Pointing Roll	266.355494	266.5167748030968	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O2	Y
[s] Observation start time (MET)	366280053.184000	366279017.4496	CCD S5 on	N	N
Observation start date	2009-08-10T08:26:27	2009-08-10T08:10:17	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	366285053.184000	366285586.67493	On-chip summing requested	N	N
Observation end date	2009-08-10T09:49:47	2009-08-10T09:59:46	Subarray requested	CUSTOM	1/2
Read mode	TIMED	TIMED	Subarray start row	257	257
			Subarray row count	512	512
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1.6

2.3 Aspect



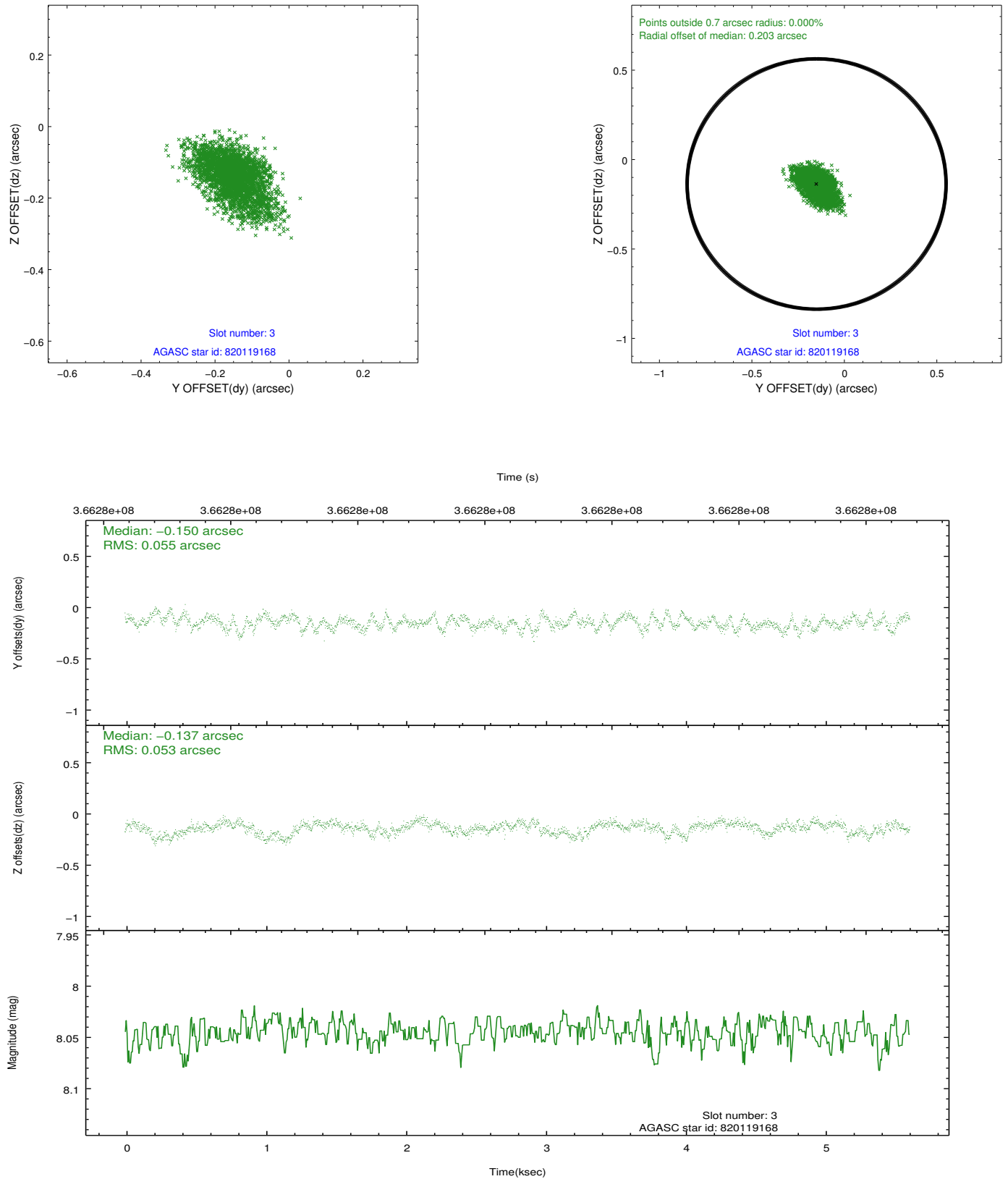


Slot Statistics

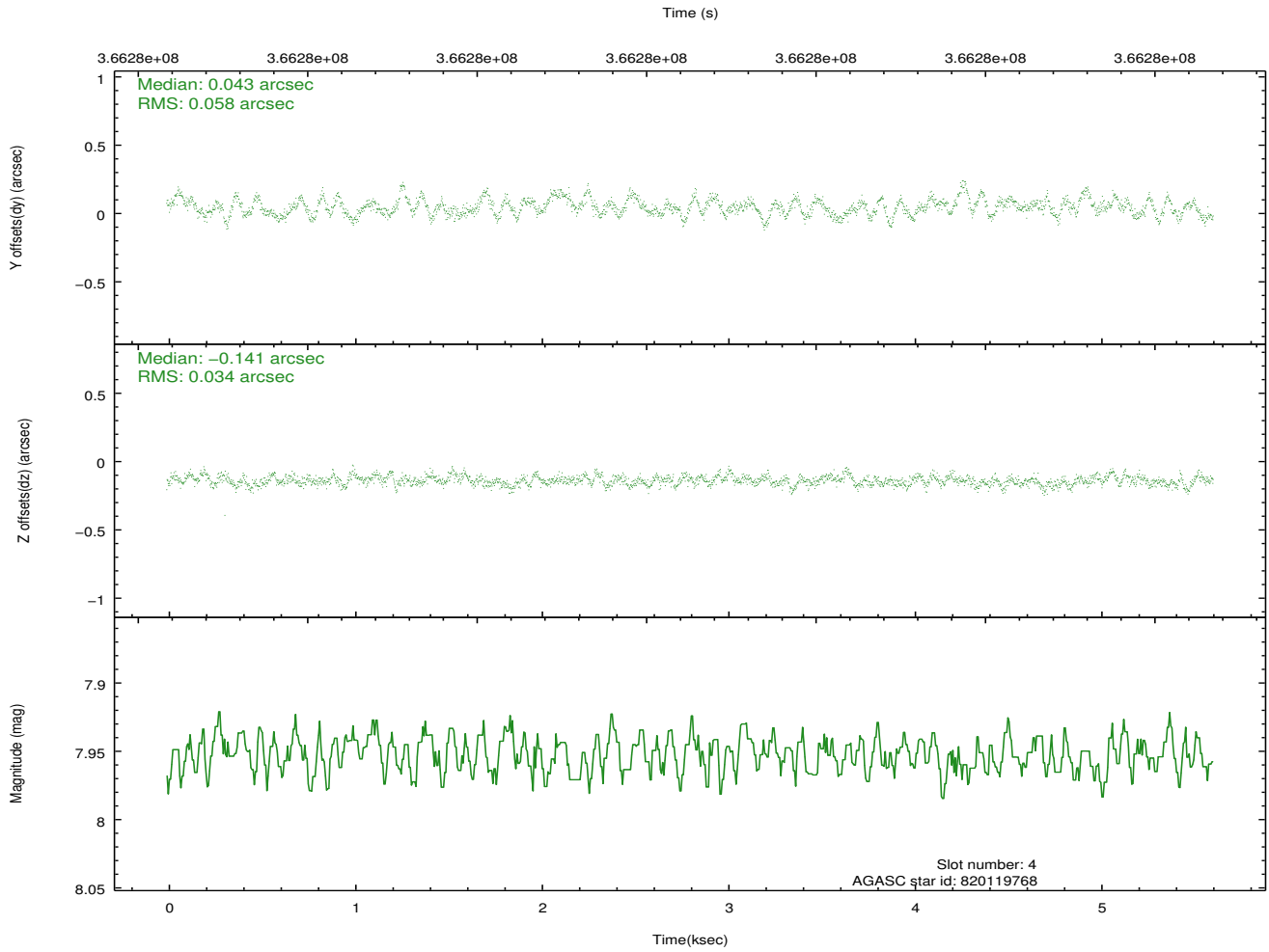
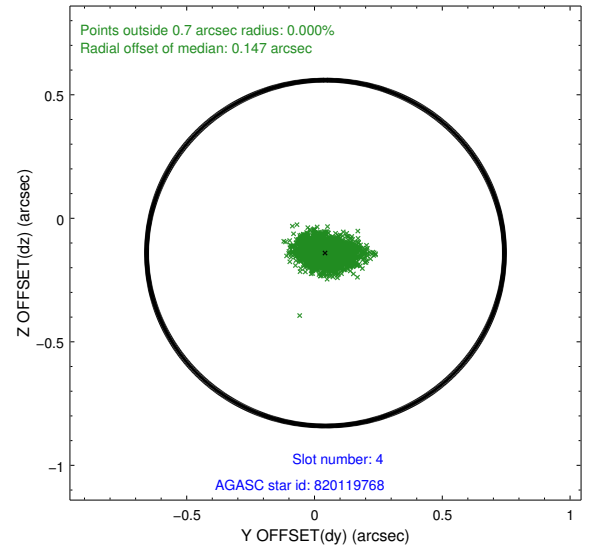
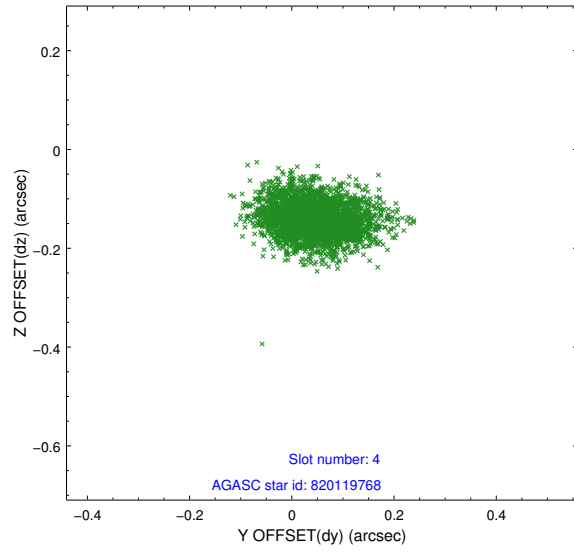
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	1369	-0.074	-0.024	0.007	0.010	0.000000	0.000000	-767.29	-1736.34
1	FID	ACIS-S-4	6.99	1369	0.199	0.042	0.006	0.011	0.000000	0.000000	2145.74	171.14
2	FID	ACIS-S-5	7.01	1369	-0.156	-0.009	0.006	0.011	0.000000	0.000000	-1818.88	165.93
3	GUIDE	820119168	8.05	2735	-0.150	-0.137	0.080	0.136	267.932854	-19.779597	-2151.09	2321.23
4	GUIDE	820119768	7.95	2738	0.043	-0.141	0.071	0.117	267.398392	-20.006729	-1226.46	565.93
5	GUIDE	820121744	6.73	2737	-0.067	0.289	0.045	0.073	267.173633	-19.779615	-1994.41	-245.17
6	GUIDE	820641816	7.19	2737	0.079	-0.128	0.053	0.083	267.363435	-20.830907	1742.16	632.77
7	GUIDE	820644800	8.85	2737	0.095	0.128	0.083	0.133	267.803773	-20.964535	2132.94	2141.10

2.4 Star Slots

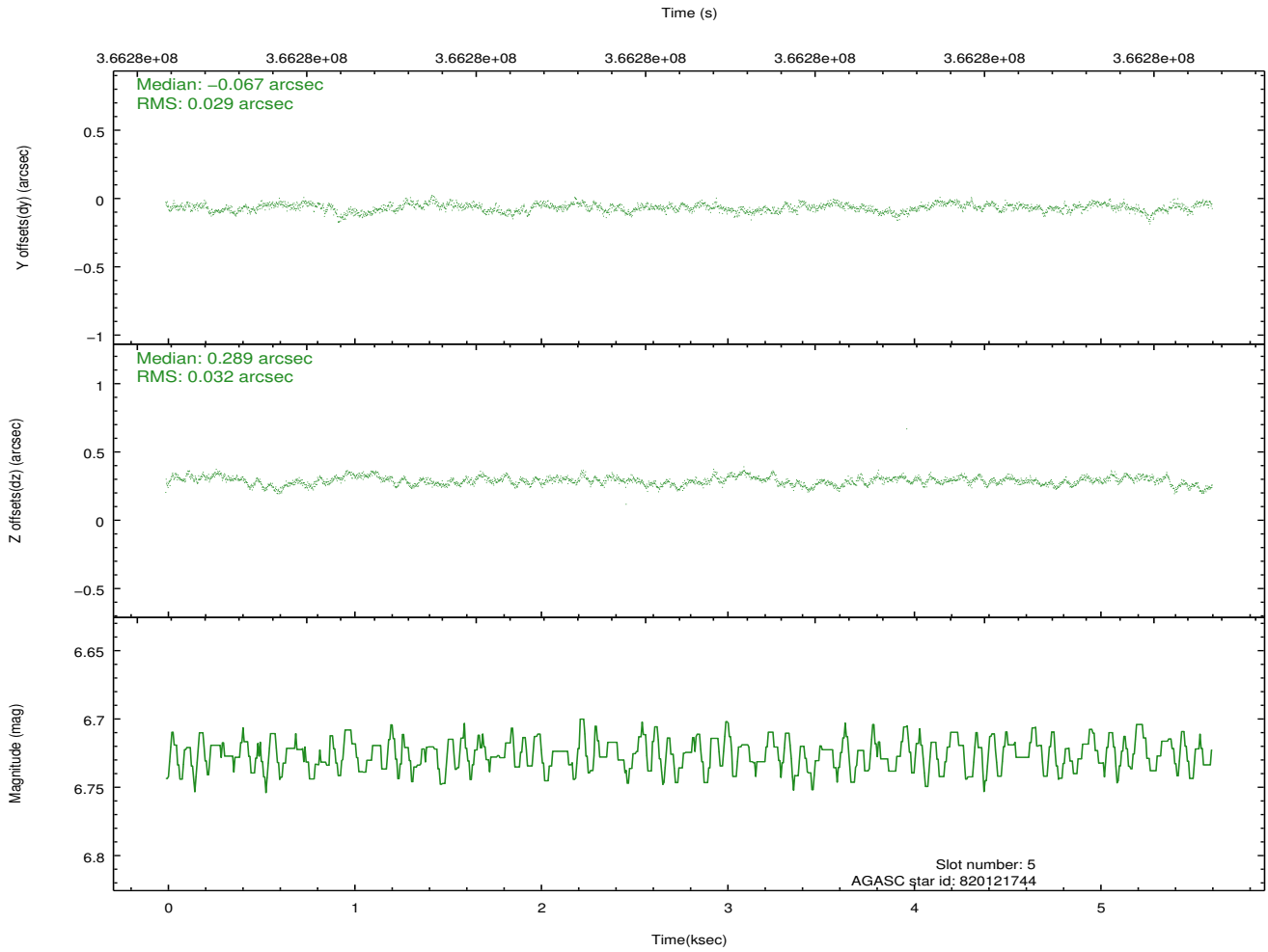
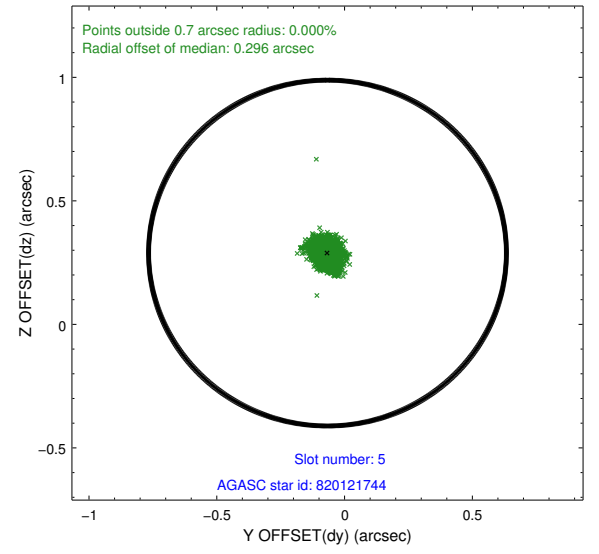
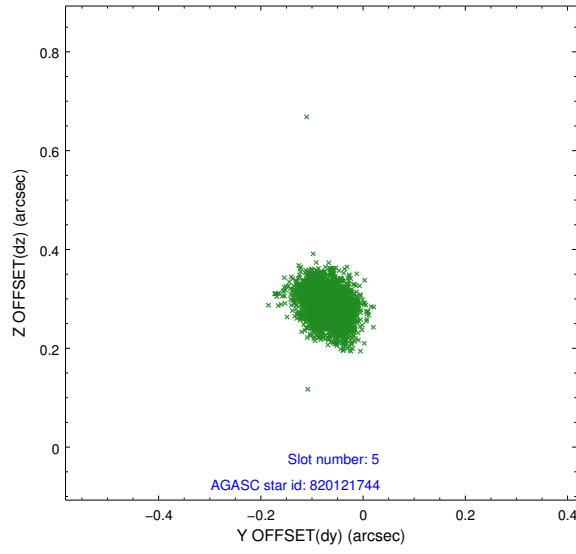
2.4.1 Slot 3



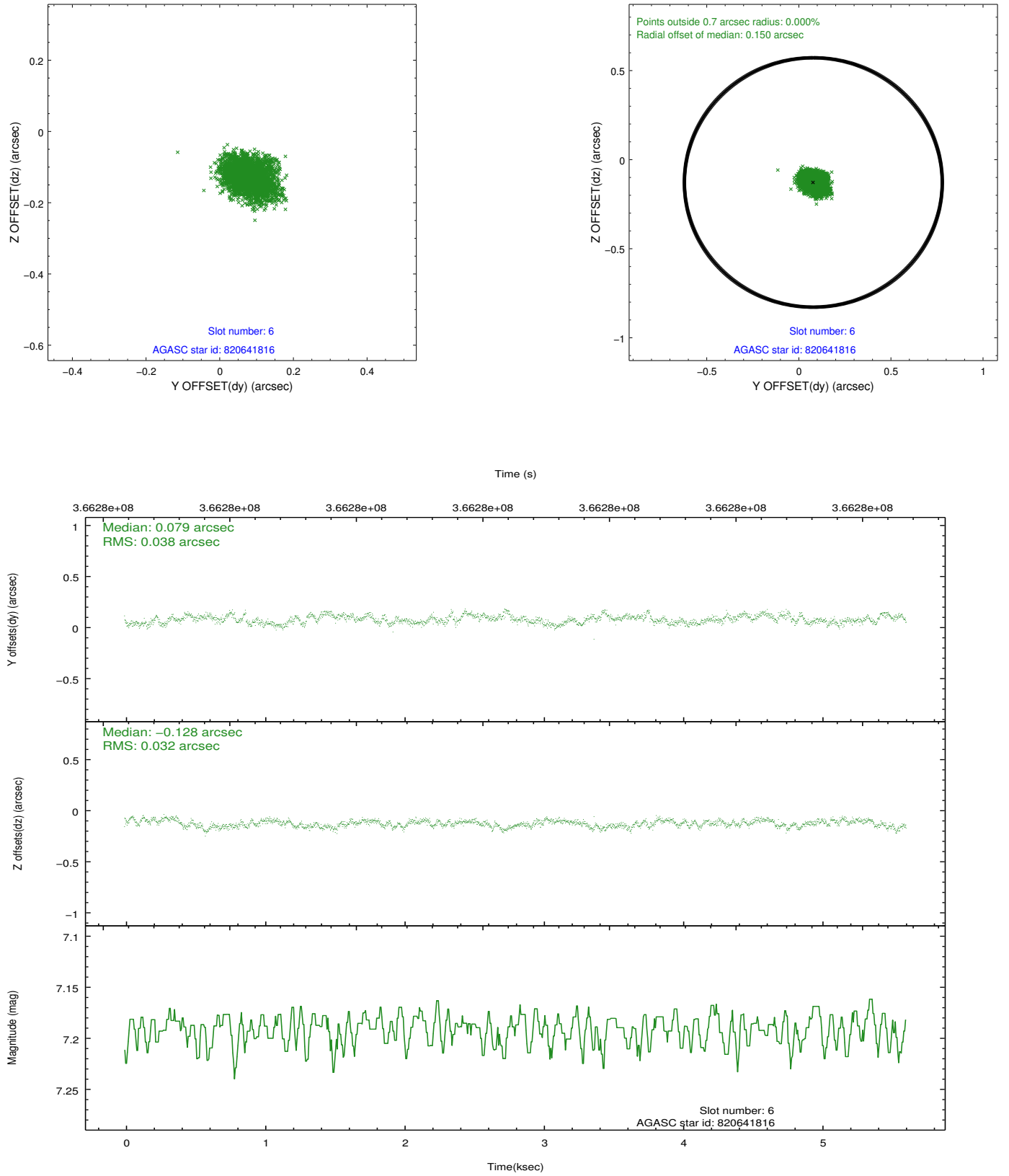
2.4.2 Slot 4



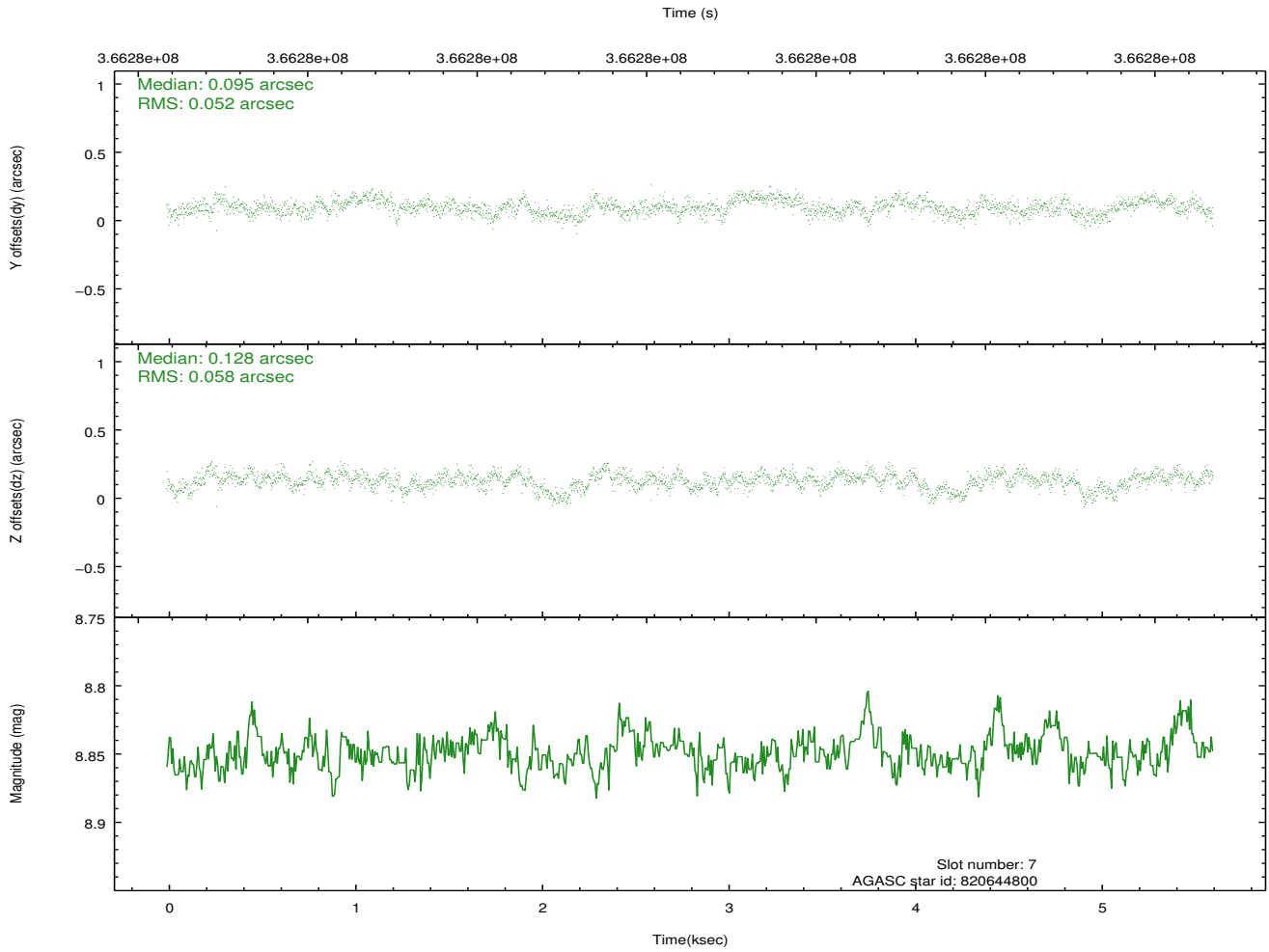
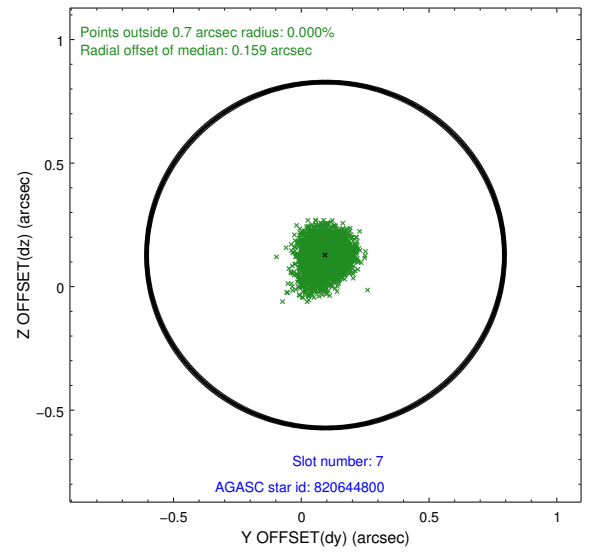
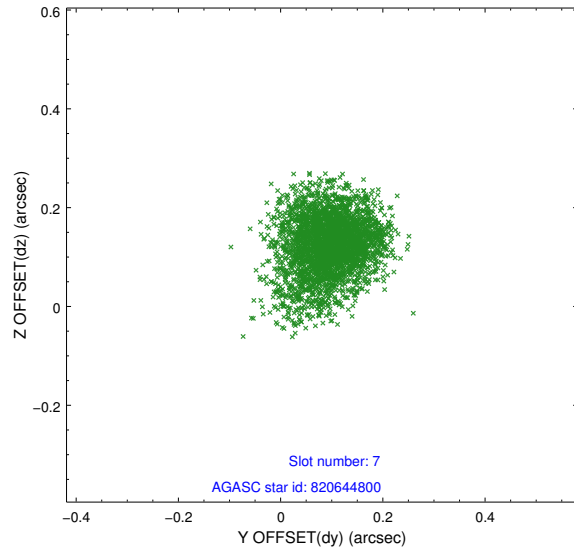
2.4.3 Slot 5



2.4.4 Slot 6

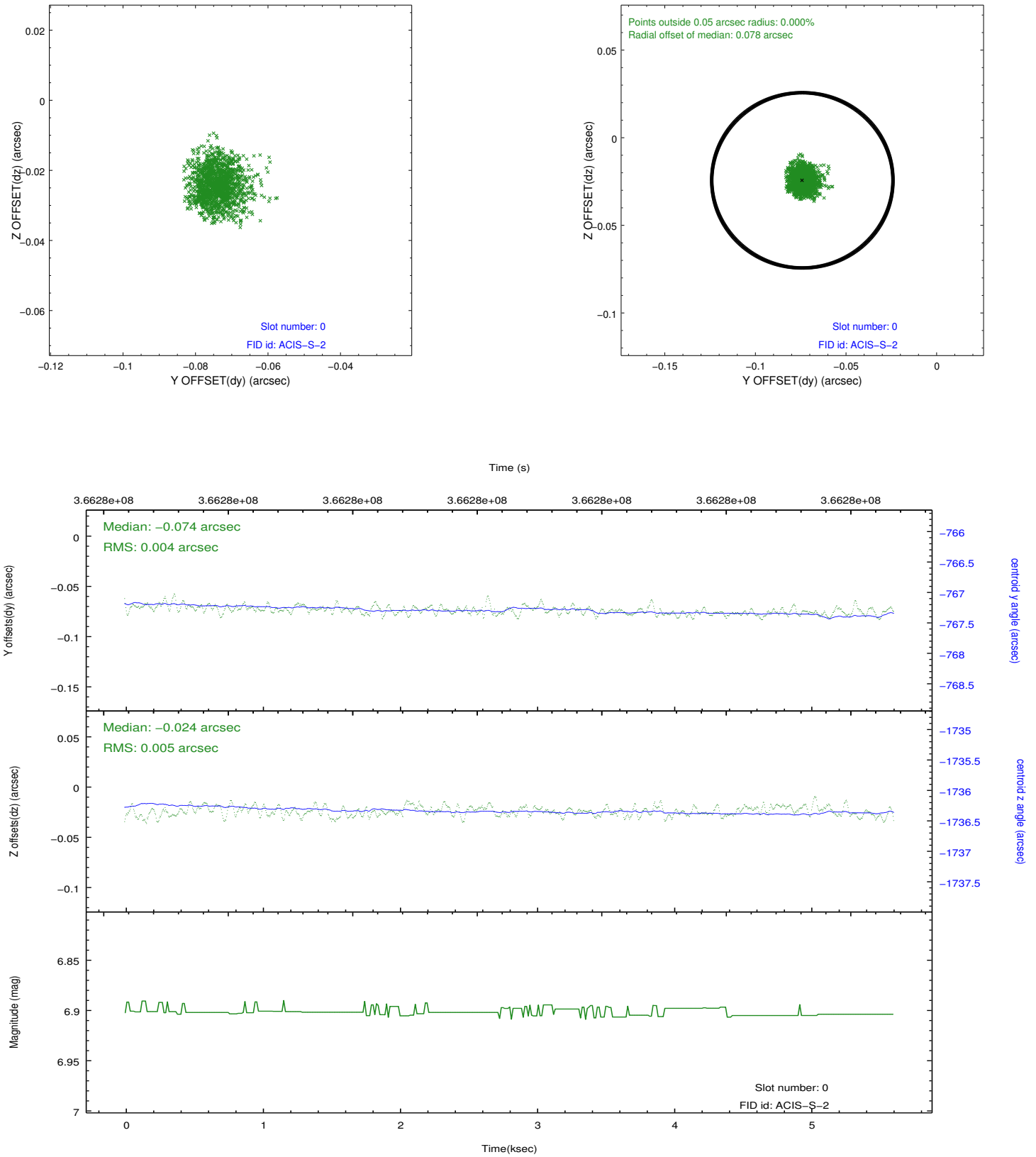


2.4.5 Slot 7

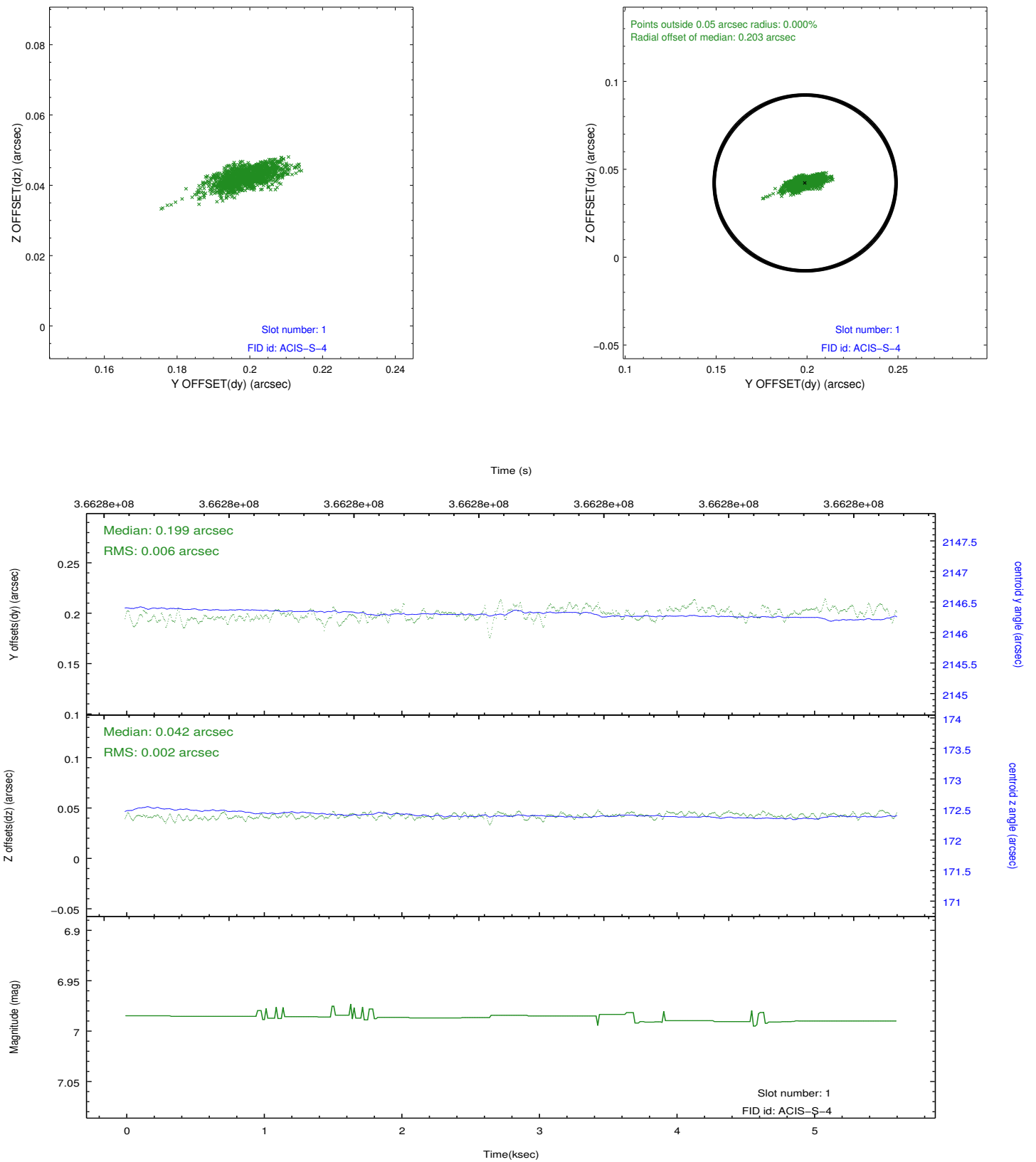


2.5 FID Slots

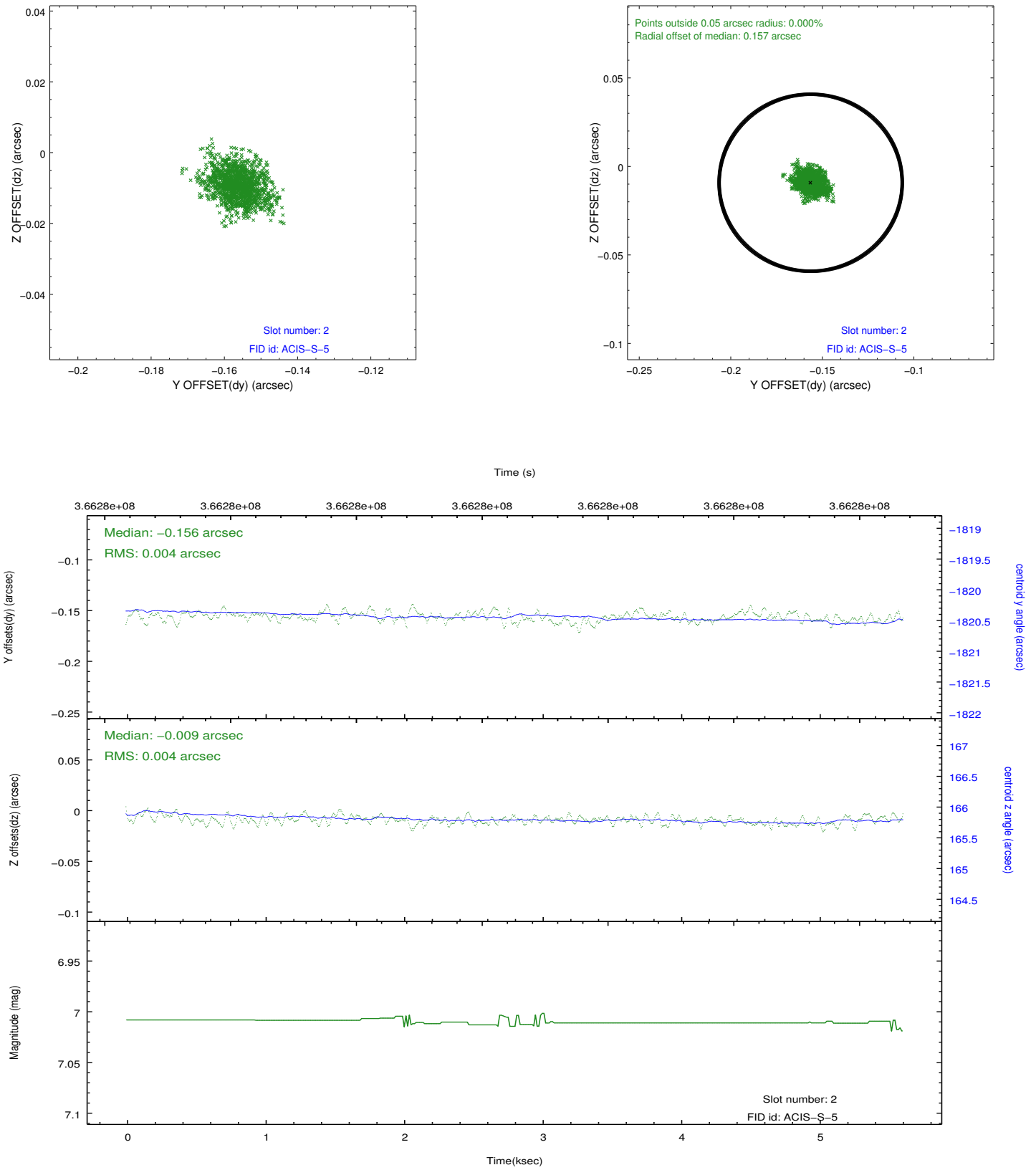
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0352000750303

A.2 Comments