

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7533 - L2 Version 2
Chandra X-Ray Center

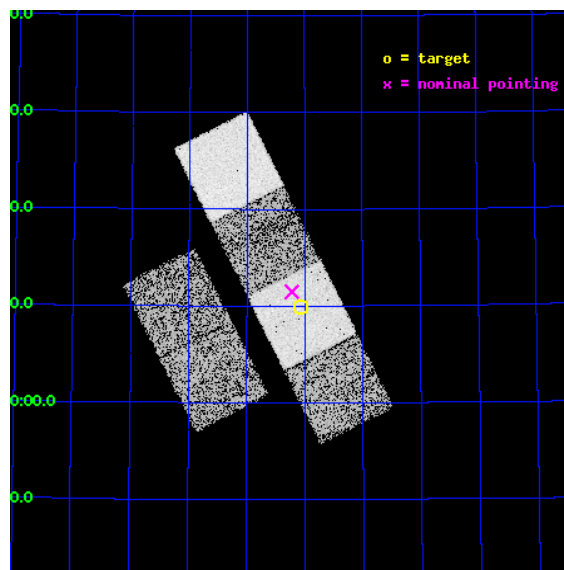
L2 Processing Date : Apr 25 2012

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1 Front

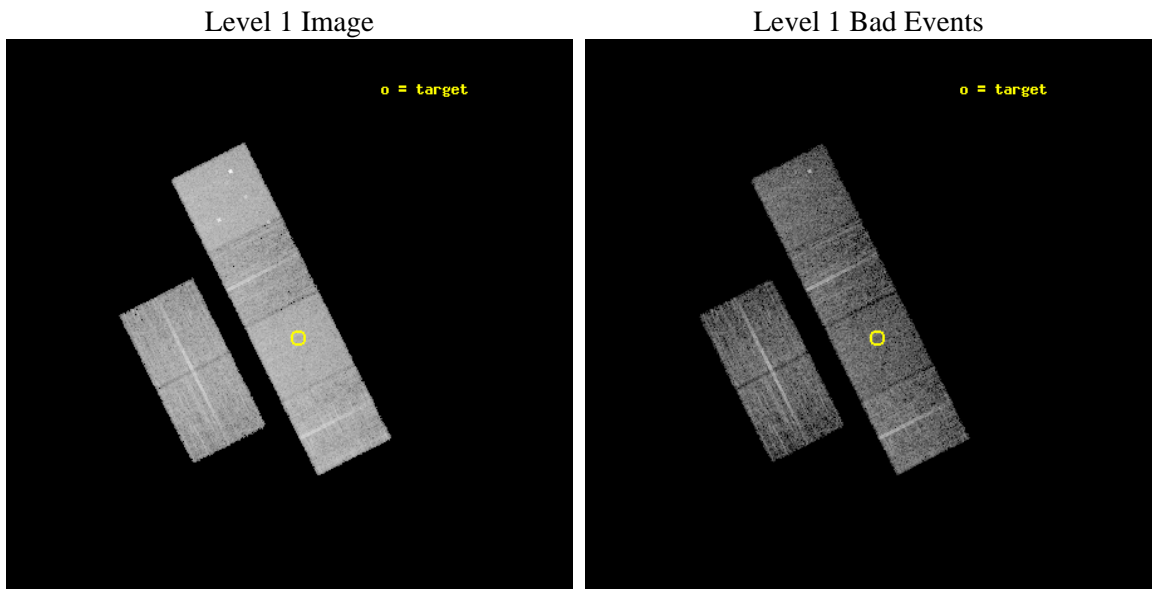
seq_num	400643	Sequence number
obs_id	7533	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J01363+6610	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.019	Observer's specified target RA [deg]
dec_targ	66.166	Observer's specified target Dec [deg]
ra_nom	24.055107615402	Nominal RA [deg]
dec_nom	66.191279822131	Nominal Dec [deg]
roll_nom	63.326178773651	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5039.9999812841	Sum of GTIs [s]
livetime	4976.1804667975	Livetime [s]
ontime2	5039.9999812841	Sum of GTIs [s]
ontime3	5039.9999812841	Sum of GTIs [s]
ontime5	5039.9999812841	Sum of GTIs [s]
ontime6	5039.9999812841	Sum of GTIs [s]
ontime7	5039.9999812841	Sum of GTIs [s]
ontime8	5039.9999812841	Sum of GTIs [s]
l2events	80560	Number of level 2 events



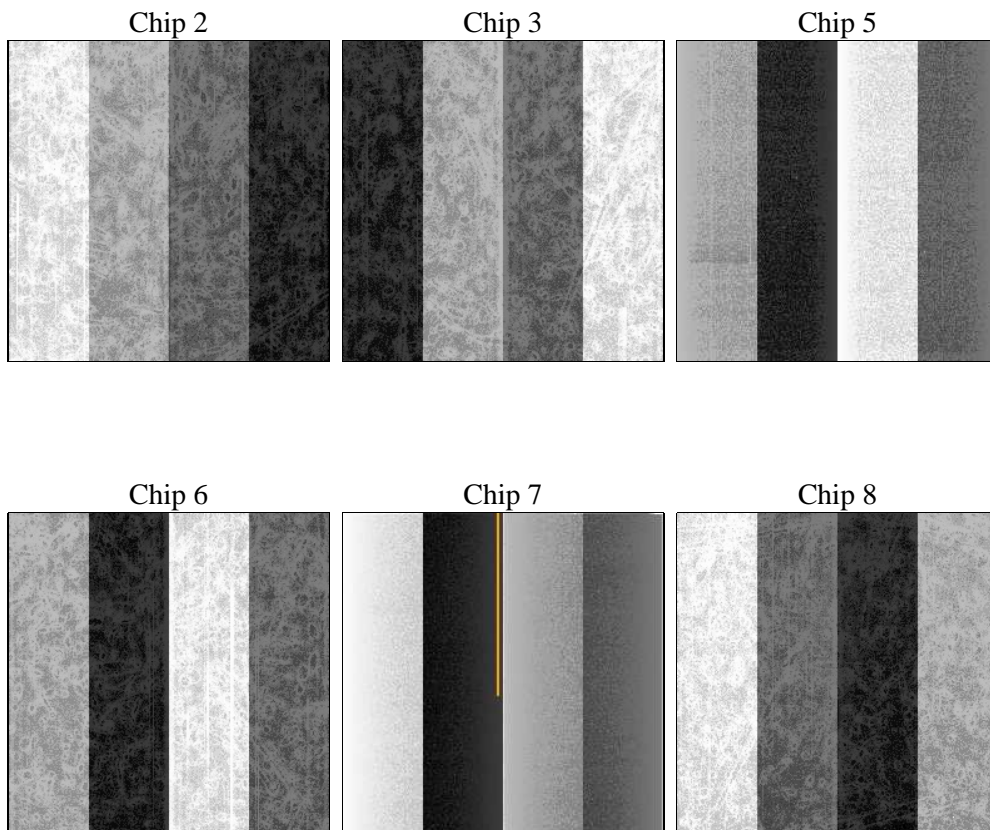
2 OBI

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	8.4.4	Processing system revision	ontime	5039.9999812841	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	5039.9999812841	Sum of GTIs [s]
date	2012-04-25T20:58:17	Date and time of file creation	ontime3	5039.9999812841	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5039.9999812841	Sum of GTIs [s]
			ontime6	5039.9999812841	Sum of GTIs [s]
			ontime7	5039.9999812841	Sum of GTIs [s]
			ontime8	5039.9999812841	Sum of GTIs [s]
			l1events	350058	Number of level 1 events

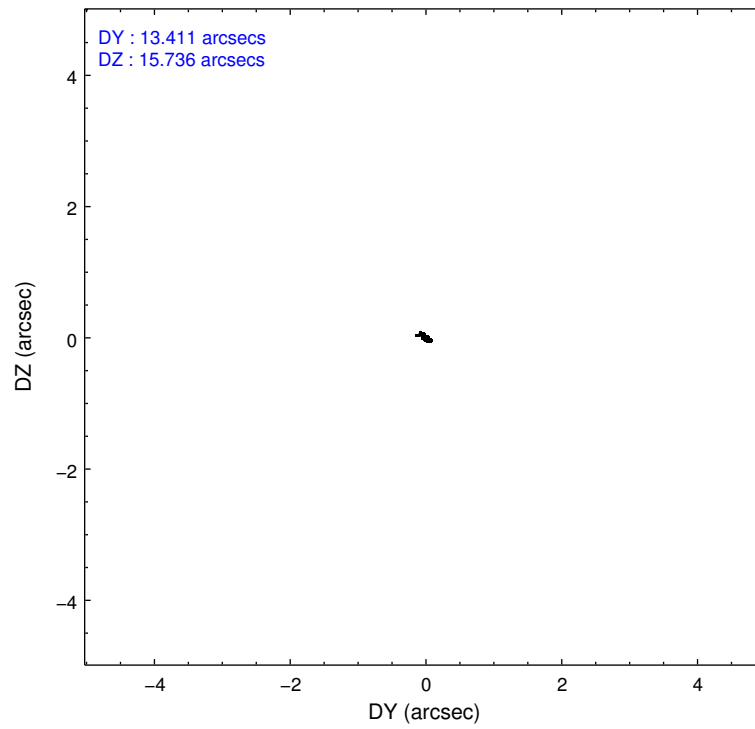
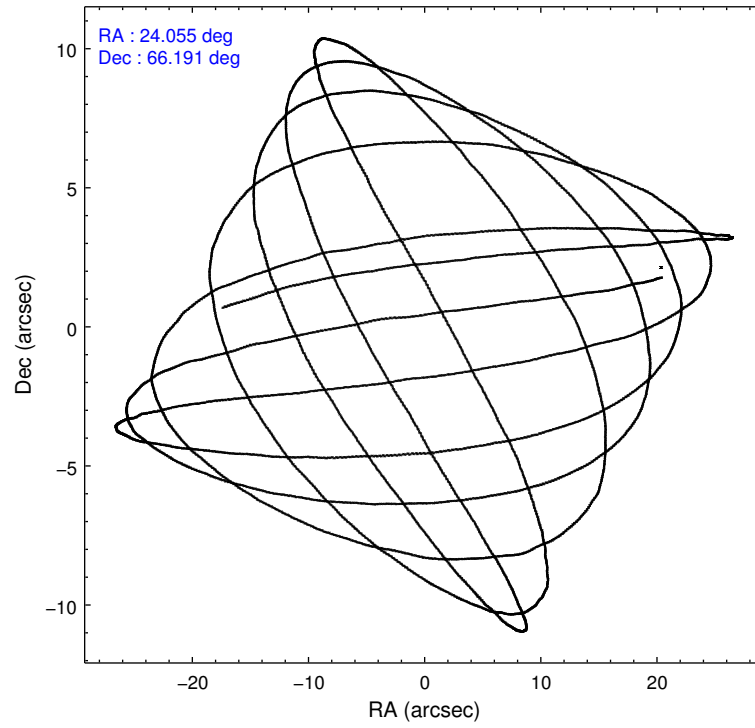
2.1.4 Events

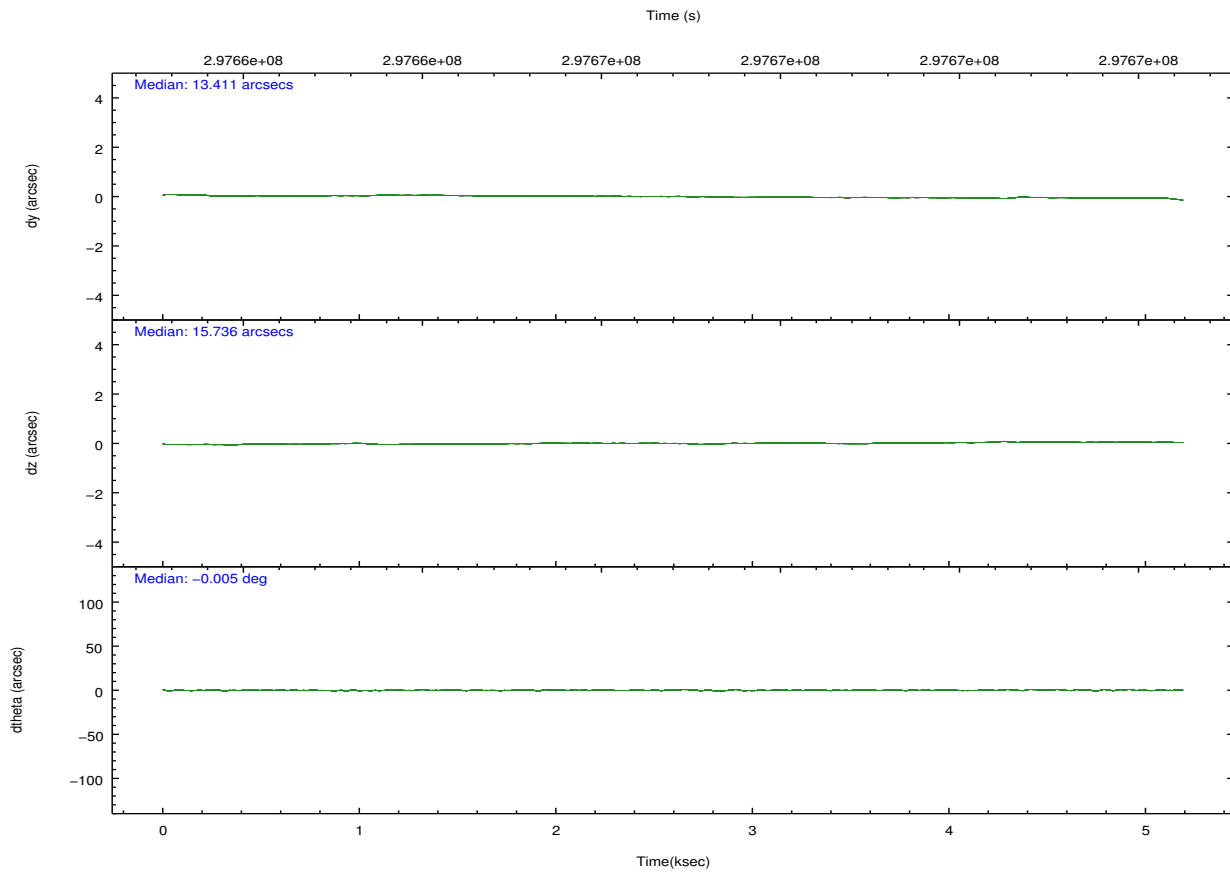
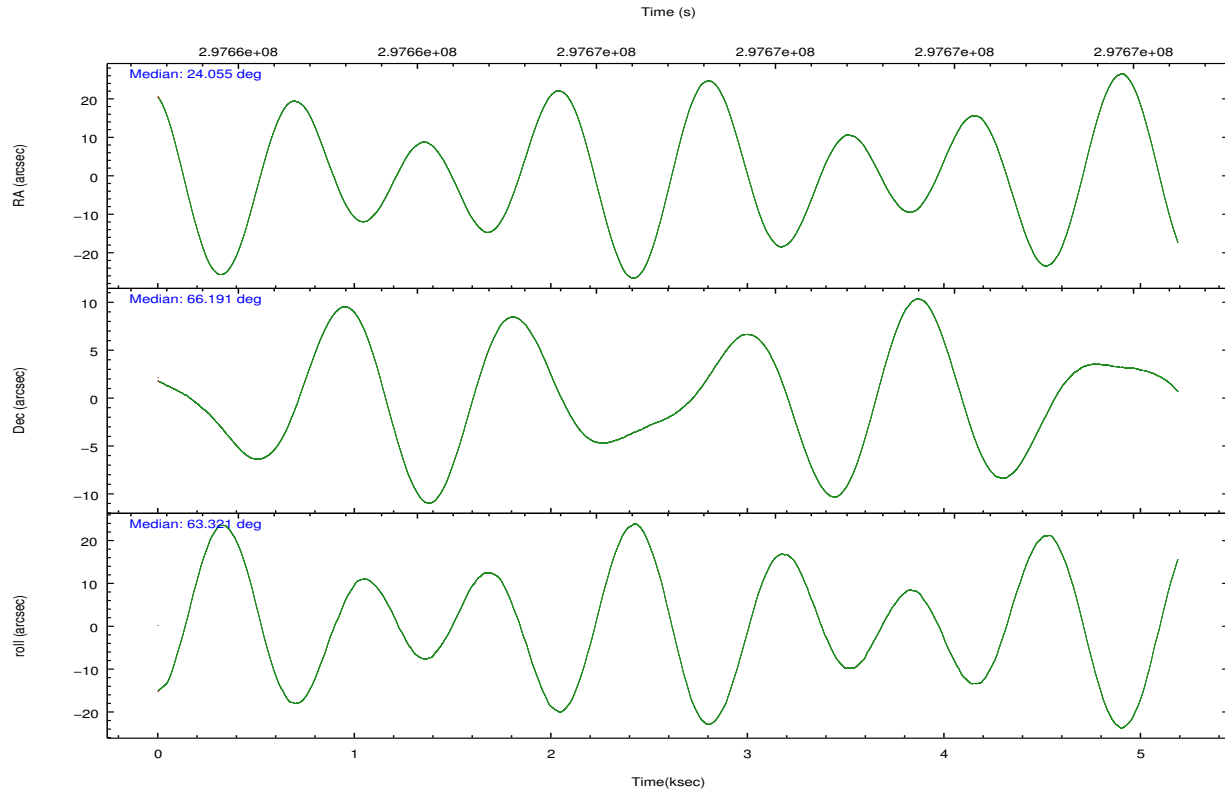
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	48286	47365	75790	47835	66753	64029	grade 0 events	2640	2547	3457	2257	2377	4521
rejected events	42383	41592	40776	41958	38942	49104		5%	5%	4%	4%	3%	7%
rejected %	87%	87%	53%	87%	58%	76%	grade 1 events	38	34	142	28	81	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	1199	1147	10768	1293	5719	3314
								2%	2%	14%	2%	8%	5%
							grade 3 events	539	533	1264	544	2402	1520
								1%	1%	1%	1%	3%	2%
							grade 4 events	527	552	1198	559	2360	1392
								1%	1%	1%	1%	3%	2%
							grade 5 events	1922	2303	5381	2324	6289	3055
								3%	4%	7%	4%	9%	4%
							grade 6 events	1005	998	18350	1229	14972	4182
								2%	2%	24%	2%	22%	6%
							grade 7 events	40416	39251	35230	39601	32553	45990
								83%	82%	46%	82%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	24.059922	24.05510761540205	CCD I2 on	O2	Y
[deg] Pointing Dec	66.163985	66.19127982213109	CCD I3 on	Y	Y
[deg] Pointing Roll	63.165156	63.32617877365094	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	Y	Y
[s] Observation start time (MET)	297663999.184000	297662993.33047	CCD S5 on	N	N
Observation start date	2007-06-08T04:25:34	2007-06-08T04:09:53	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	297668999.184000	297669706.56829	On-chip summing requested	N	N
Observation end date	2007-06-08T05:48:54	2007-06-08T06:01:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



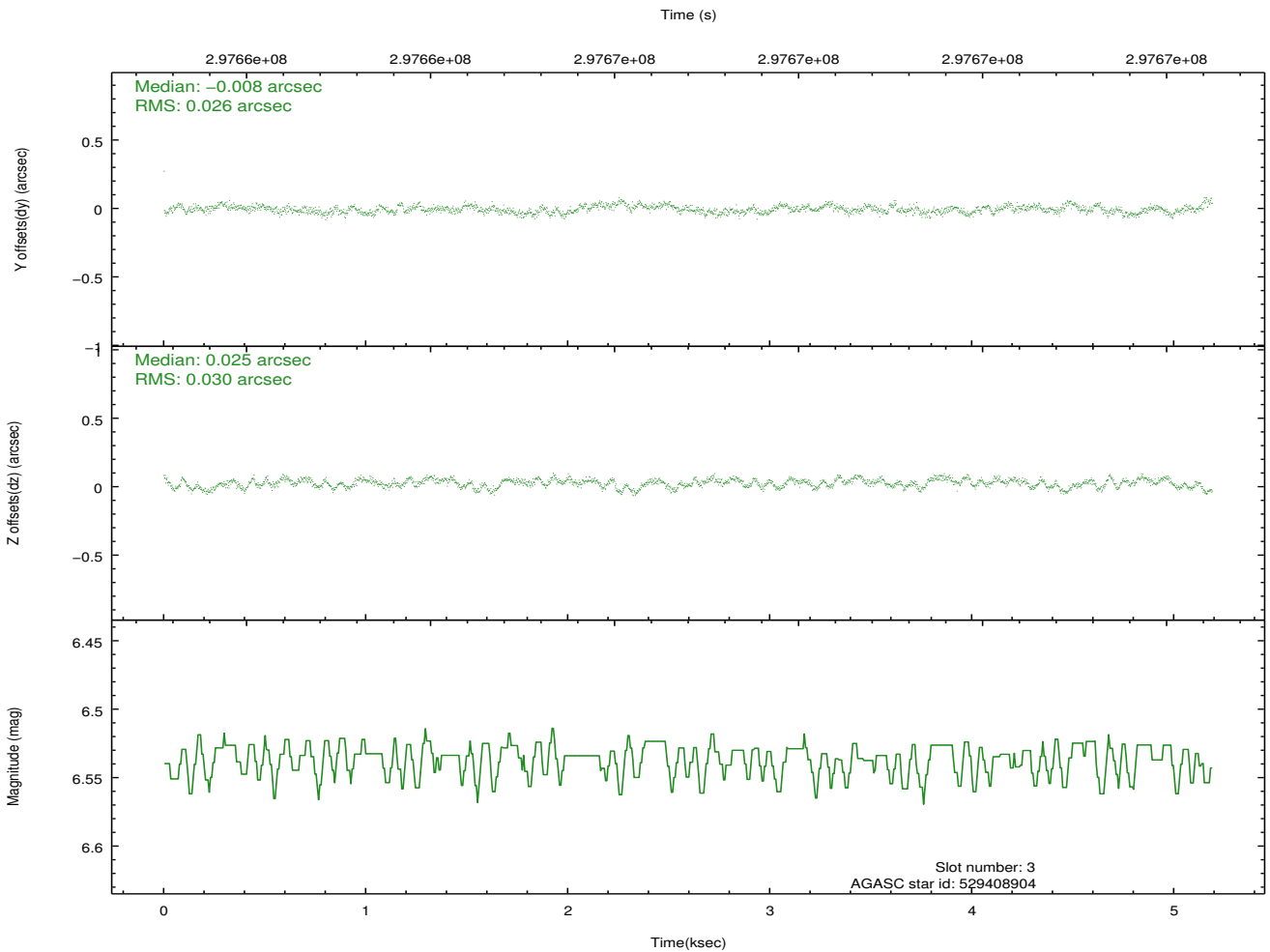
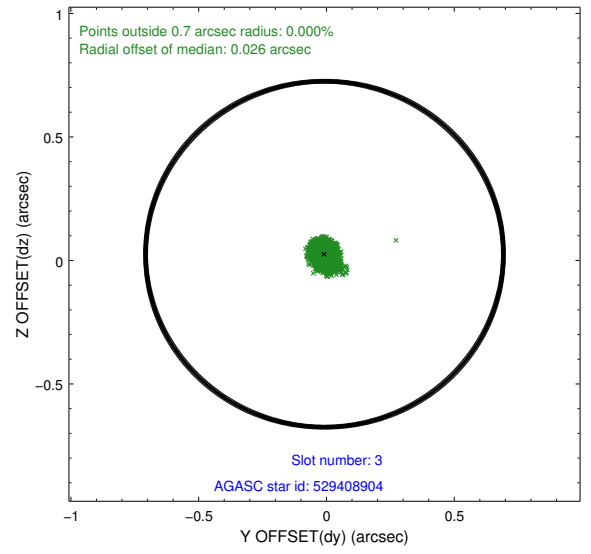
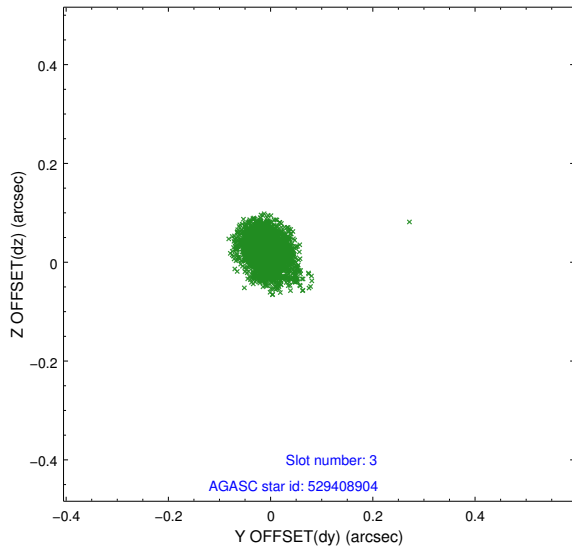


Slot Statistics

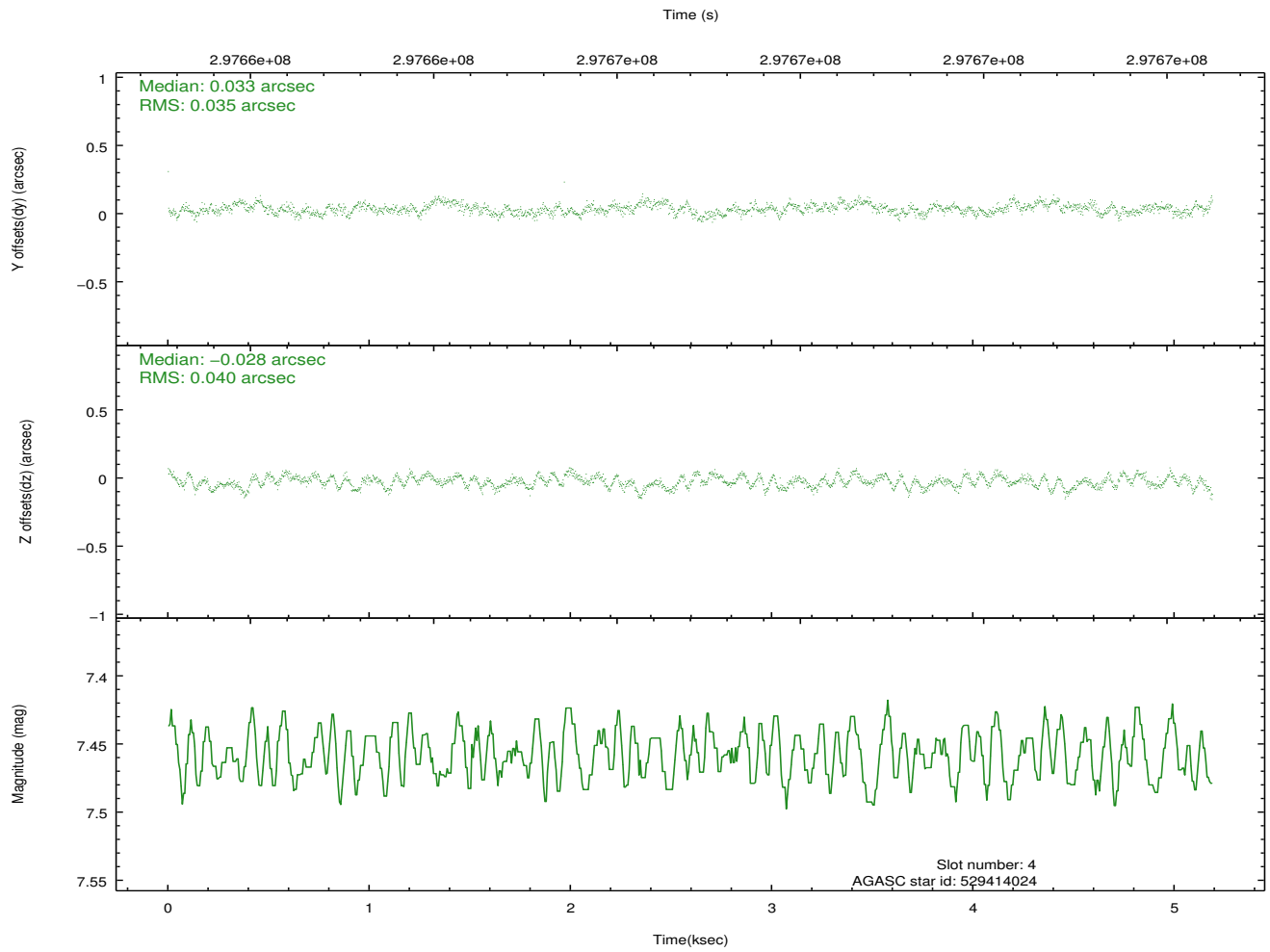
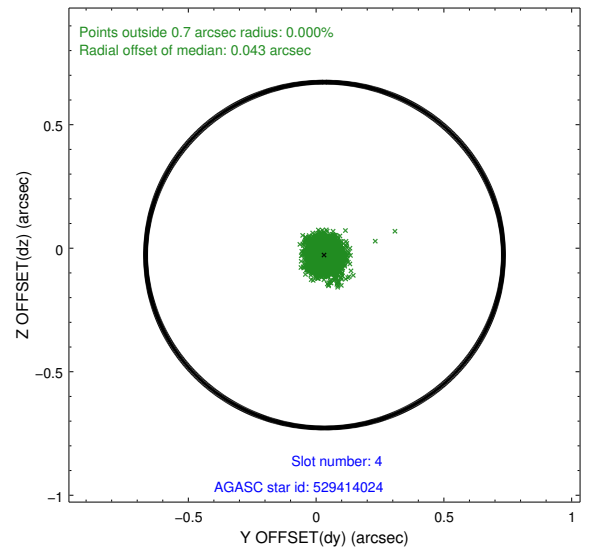
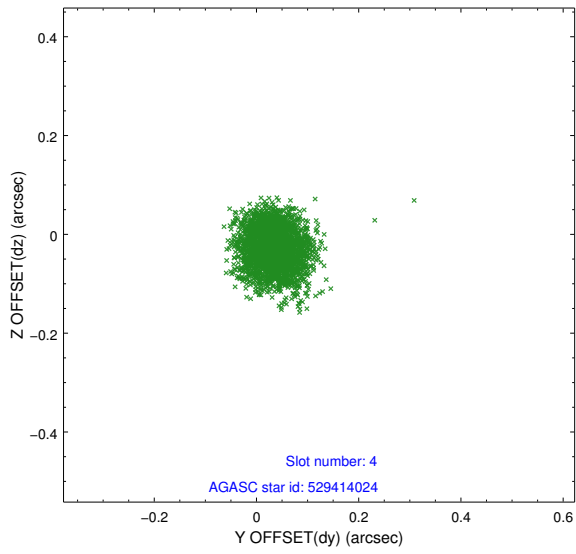
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1266	-0.053	-0.027	0.007	0.011	0.000000	0.000000	-766.36	-1737.07
1	FID	ACIS-S-4	7.19	1266	0.190	0.033	0.006	0.012	0.000000	0.000000	2146.60	170.30
2	FID	ACIS-S-5	7.22	1266	-0.167	0.003	0.006	0.011	0.000000	0.000000	-1817.85	165.21
3	GUIDE	529408904	6.53	2532	-0.008	0.025	0.042	0.067	24.756778	65.515908	-1607.07	-1978.16
4	GUIDE	529414024	7.46	2532	0.033	-0.028	0.057	0.088	24.525955	65.535115	-1704.52	-1641.71
5	GUIDE	529930536	8.33	2530	-0.007	-0.217	0.071	0.114	24.060647	66.220772	182.35	90.83
6	GUIDE	529930712	8.57	2529	0.103	0.058	0.111	0.173	25.365956	66.488648	1907.52	-1136.99
7	GUIDE	529932104	6.23	2531	-0.119	0.163	0.048	0.076	23.702271	65.797707	-1412.75	-123.65

2.4 Star Slots

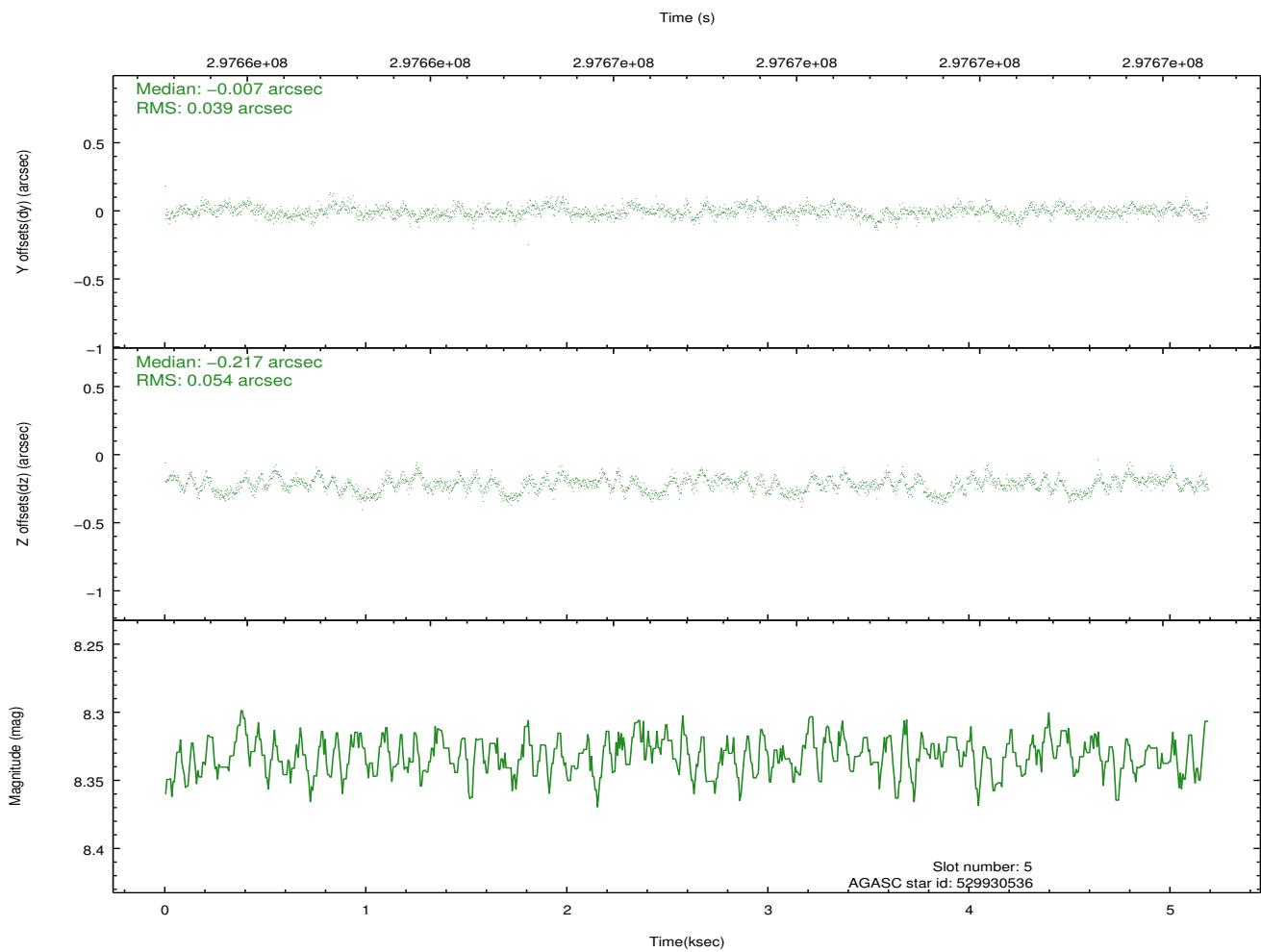
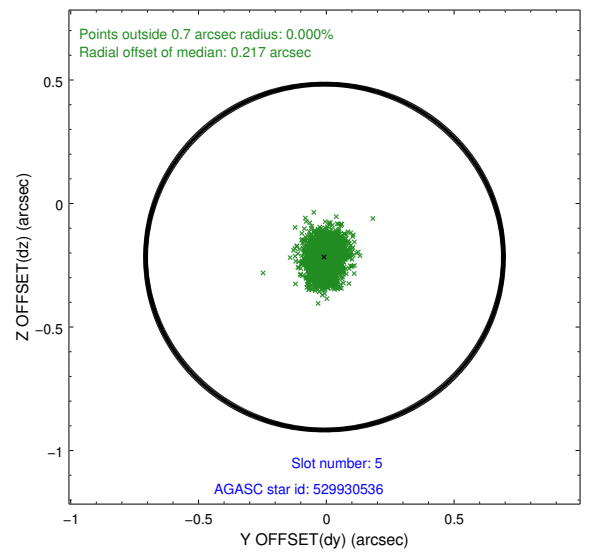
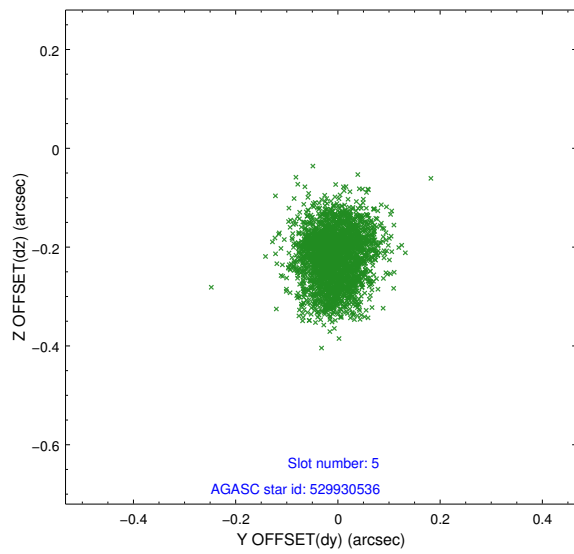
2.4.1 Slot 3



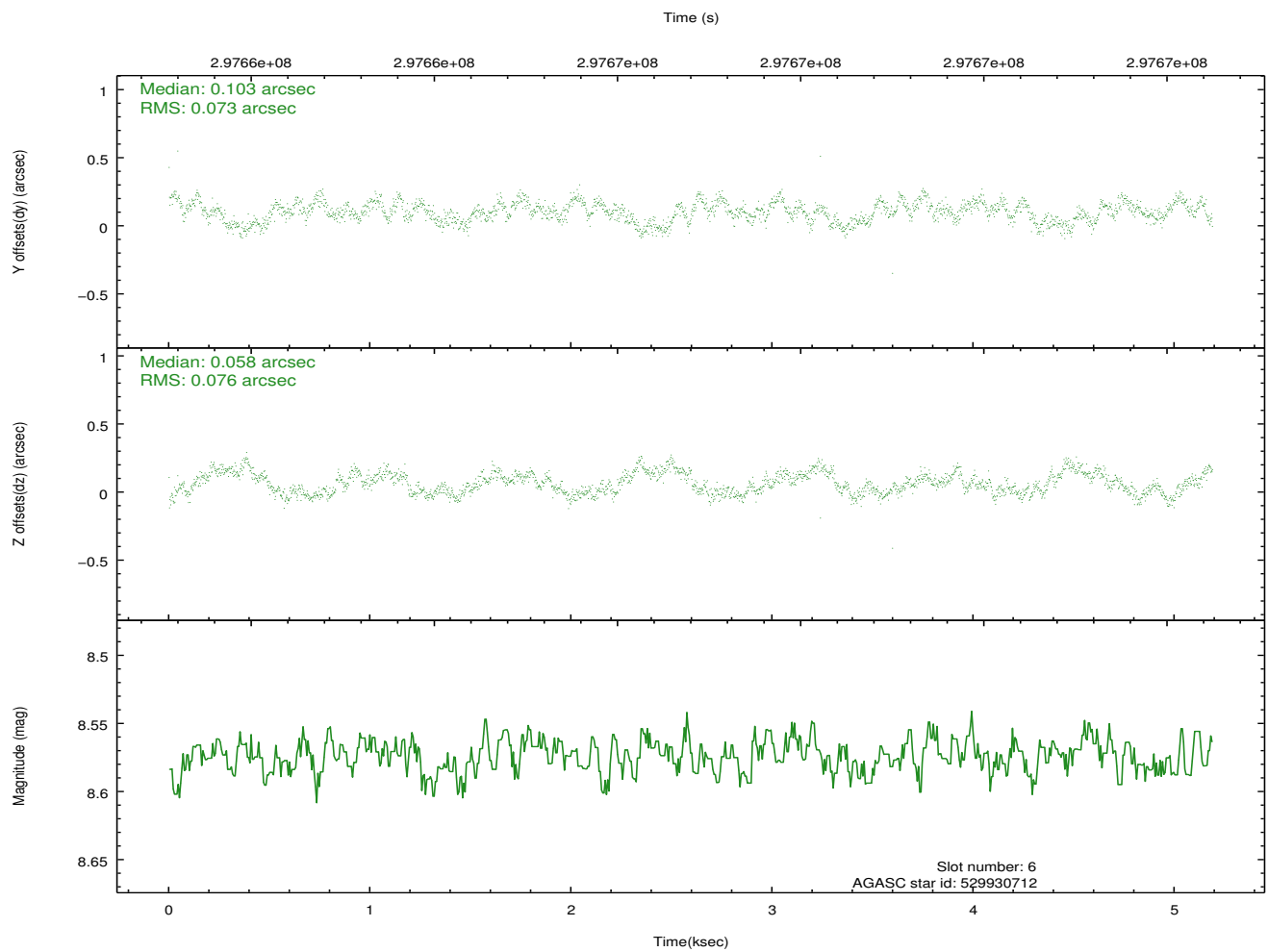
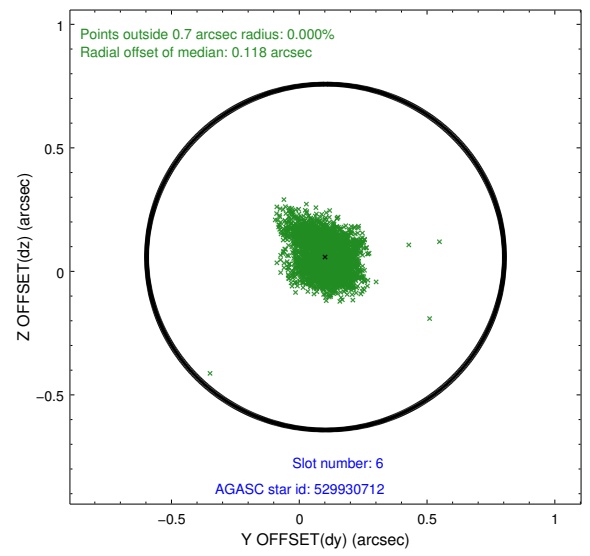
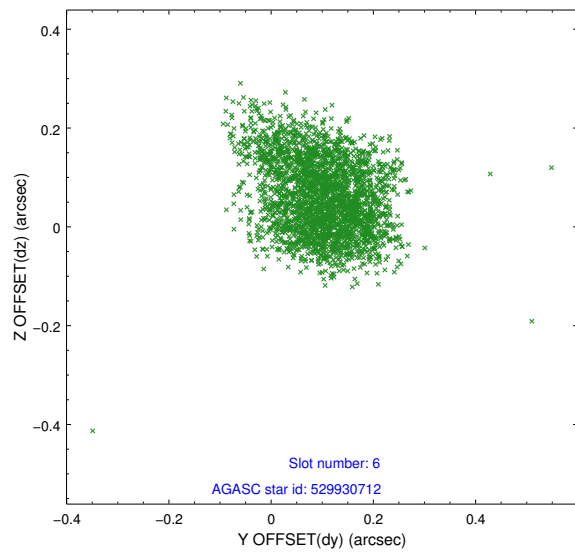
2.4.2 Slot 4



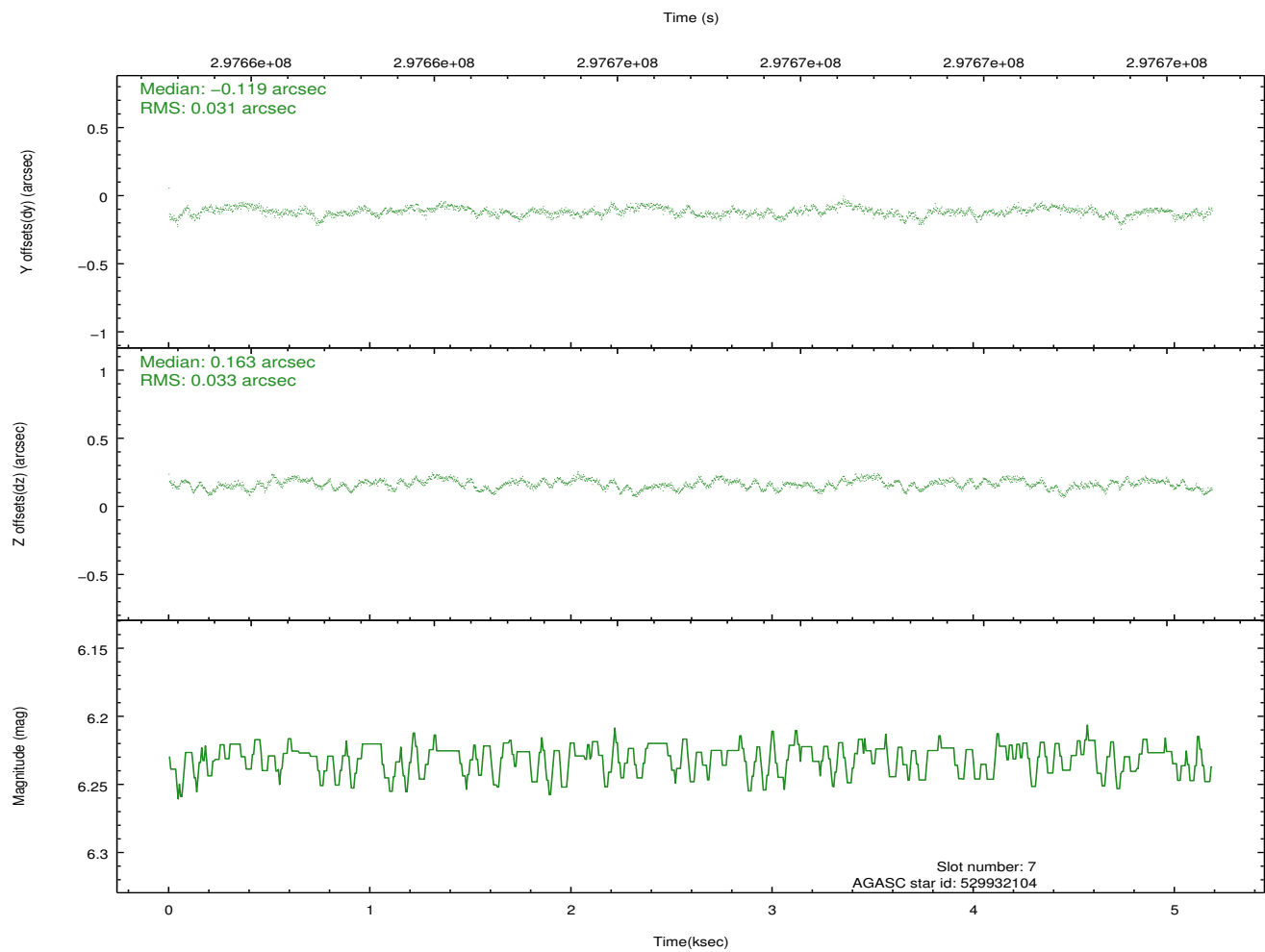
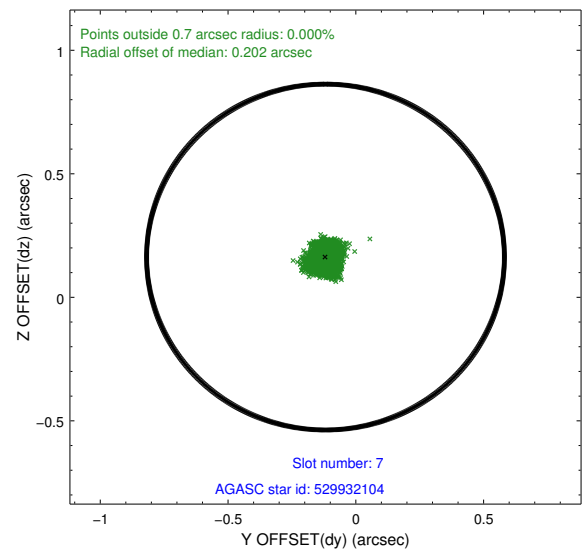
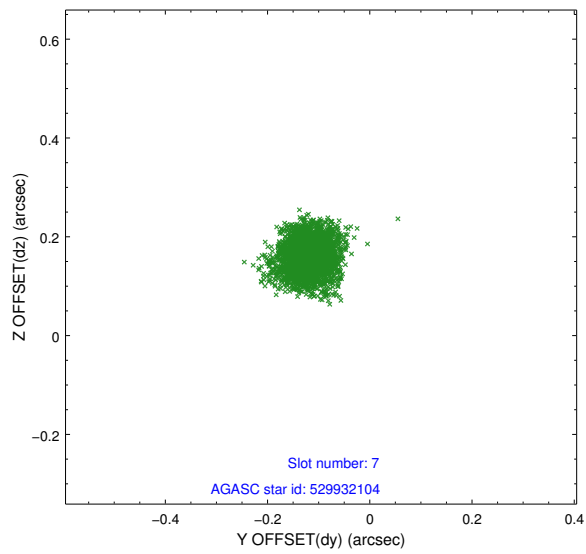
2.4.3 Slot 5



2.4.4 Slot 6

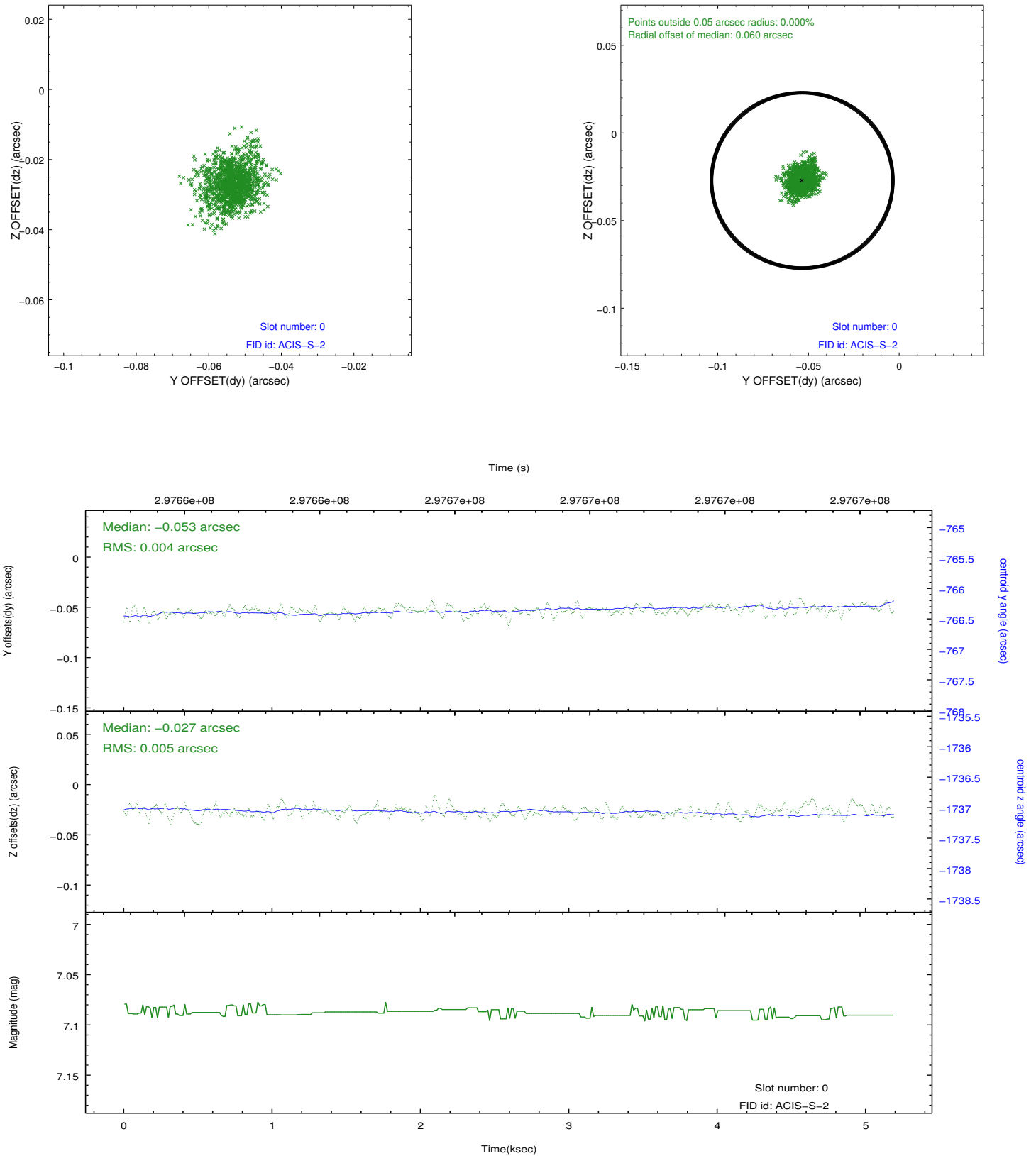


2.4.5 Slot 7

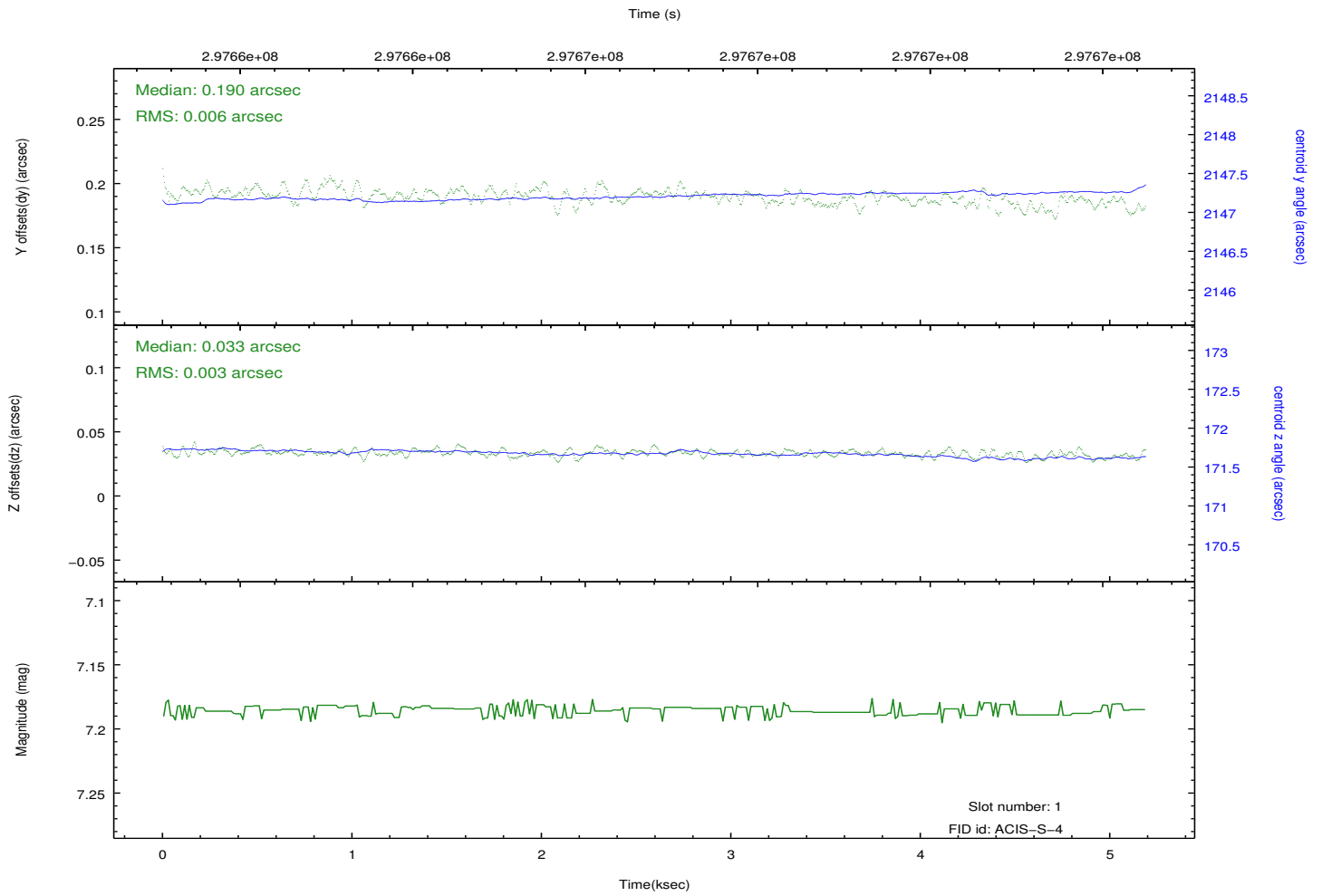
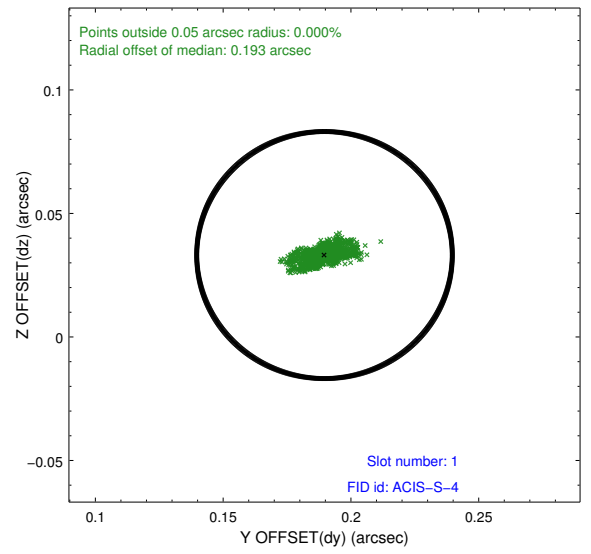
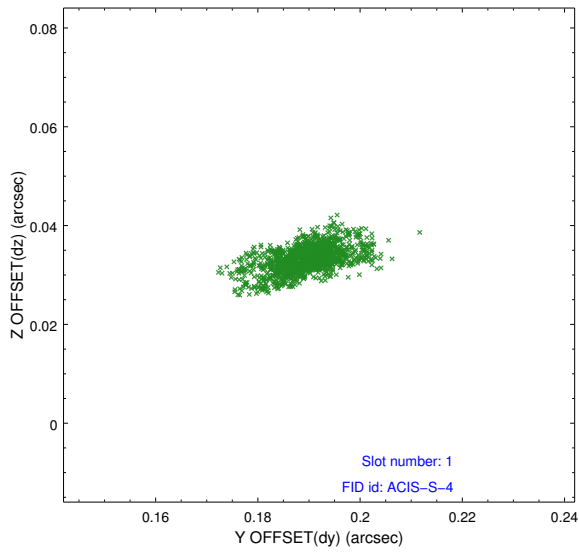


2.5 FID Slots

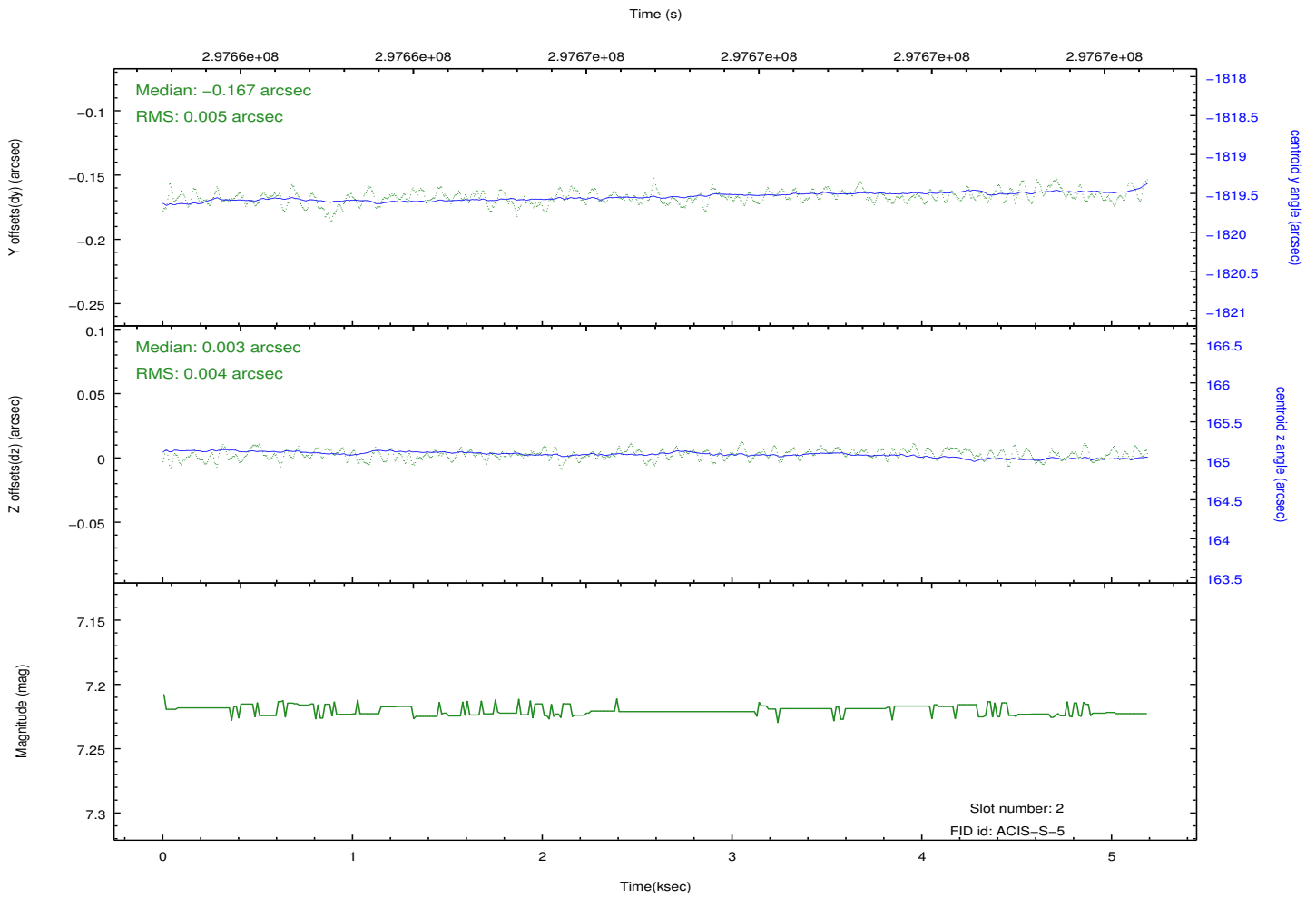
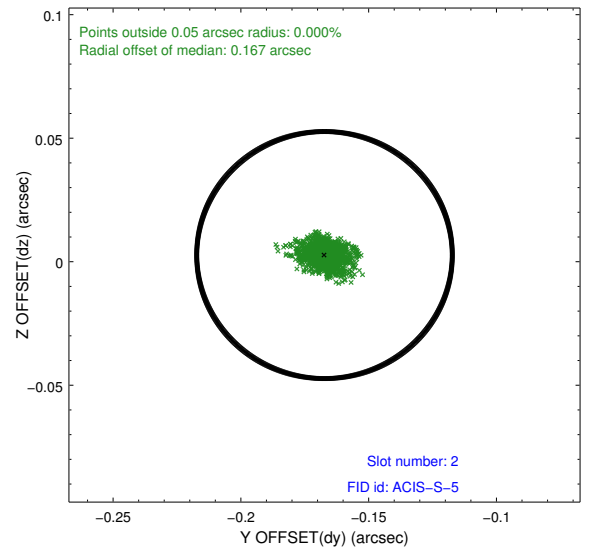
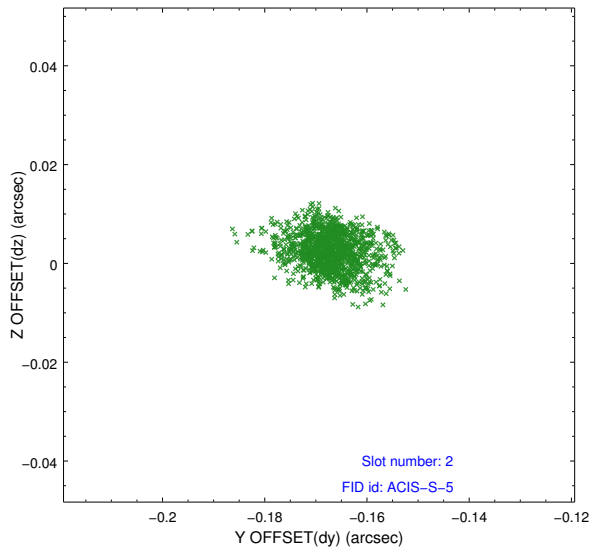
2.5.1 Slot 0



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)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.03999998

A.2 Comments