

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2011 - L2 Version 3
Chandra X-Ray Center

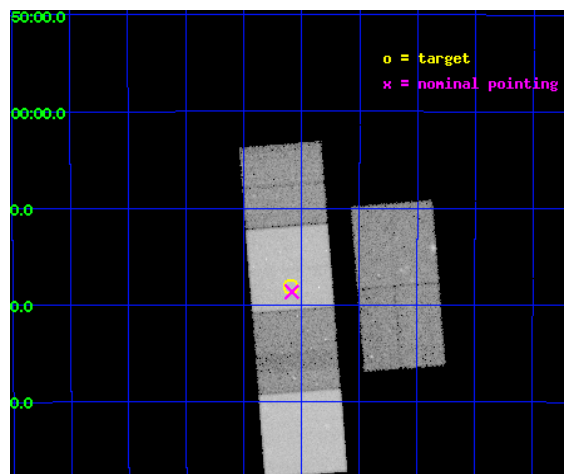
L2 Processing Date : Sep 26 2012

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1 Front

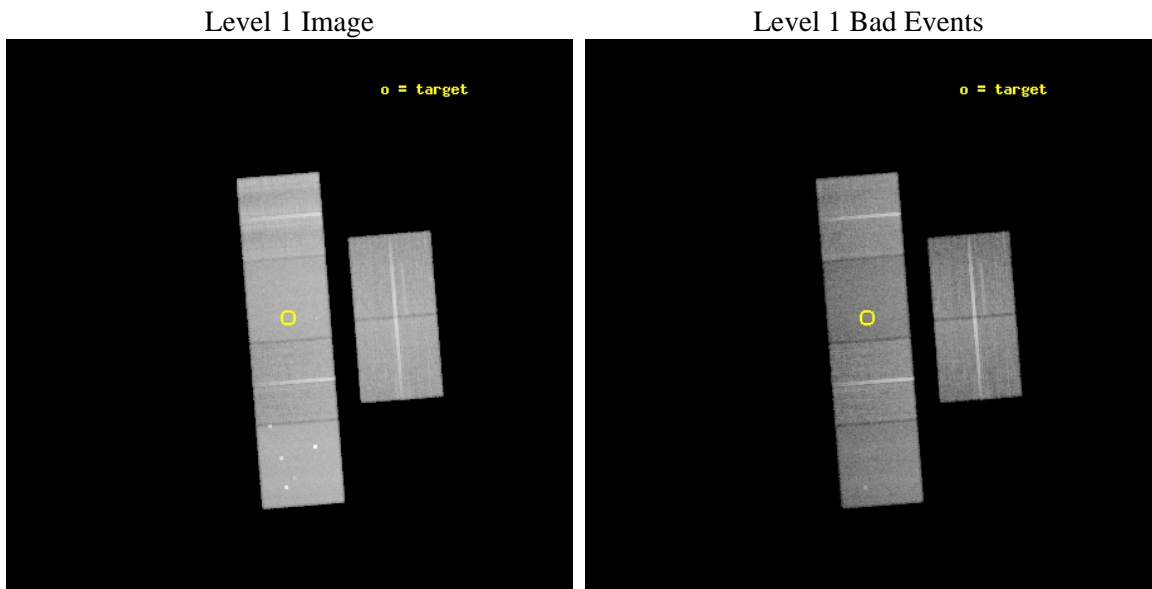
seq_num	500188	Sequence number
obs_id	2011	Observation id
title	LET US EXAMINE SOME NEW ISOLATED NEUTRON STARS WITH CHANDRA	Propos
observer	Hakki Ogelman	Principal investigator
object	PSR1813-36	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.274167	Observer's specified target RA [deg]
dec_targ	-36.301528	Observer's specified target Dec [deg]
ra_nom	274.27109040846	Nominal RA [deg]
dec_nom	-36.310953610092	Nominal Dec [deg]
roll_nom	265.42315622345	Nominal Roll [deg]
revision	3	Processing version of data
ontime	29043.200027034	Sum of GTIs [s]
livetime	28675.437540576	Livetime [s]
ontime2	29043.200027034	Sum of GTIs [s]
ontime3	29043.200027034	Sum of GTIs [s]
ontime5	29043.200027034	Sum of GTIs [s]
ontime6	29039.959096685	Sum of GTIs [s]
ontime7	29043.200027034	Sum of GTIs [s]
ontime8	29043.200027034	Sum of GTIs [s]
l2events	338289	Number of level 2 events



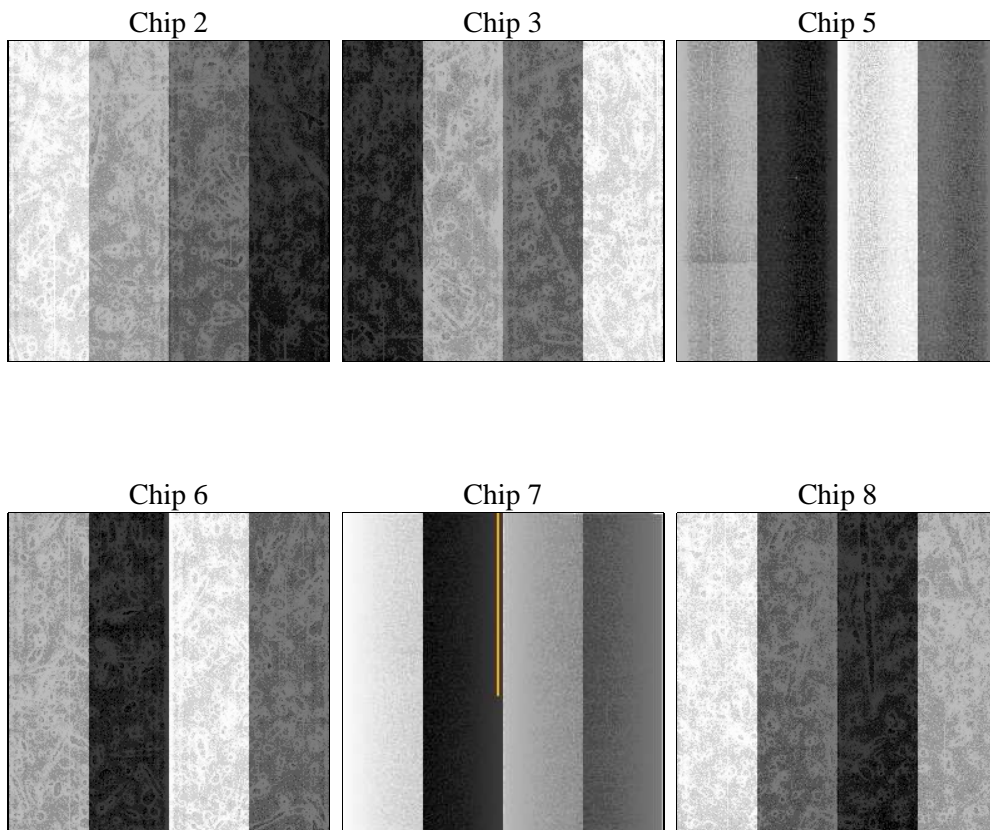
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	29100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29043.200027034	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	29043.200027034	Sum of GTIs [s]
date	2012-09-26T02:40:15	Date and time of file creation	ontime3	29043.200027034	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	29043.200027034	Sum of GTIs [s]
			ontime6	29039.959096685	Sum of GTIs [s]
			ontime7	29043.200027034	Sum of GTIs [s]
			ontime8	29043.200027034	Sum of GTIs [s]
			l1events	1444792	Number of level 1 events

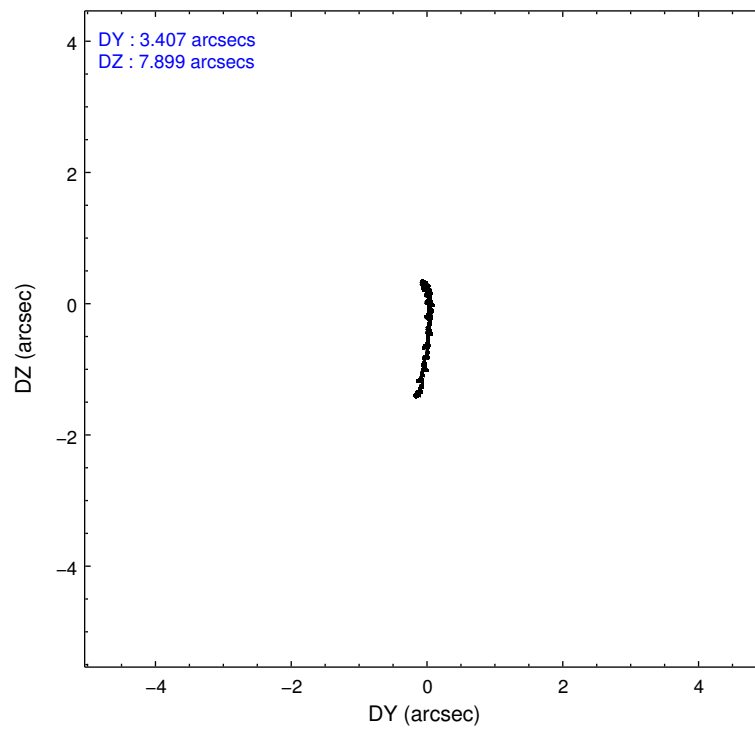
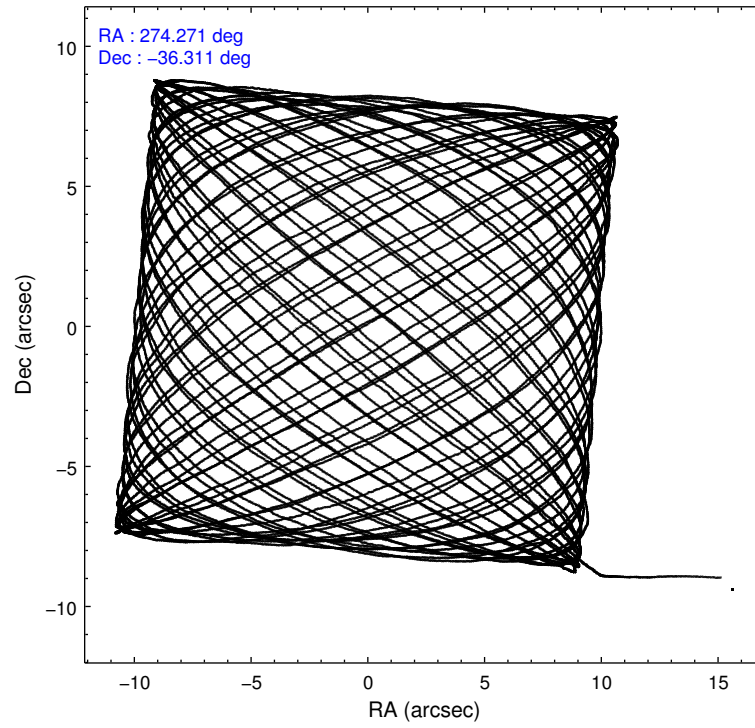
2.1.4 Events

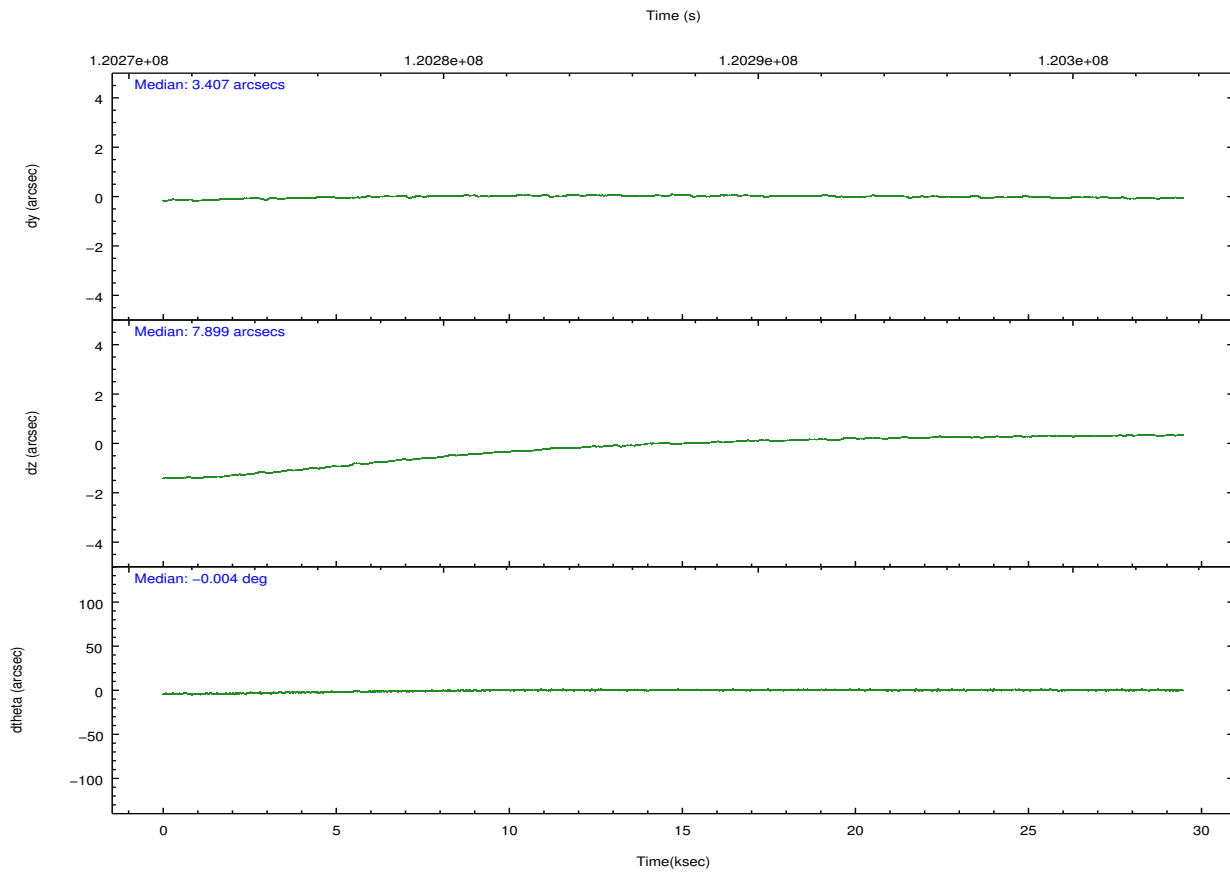
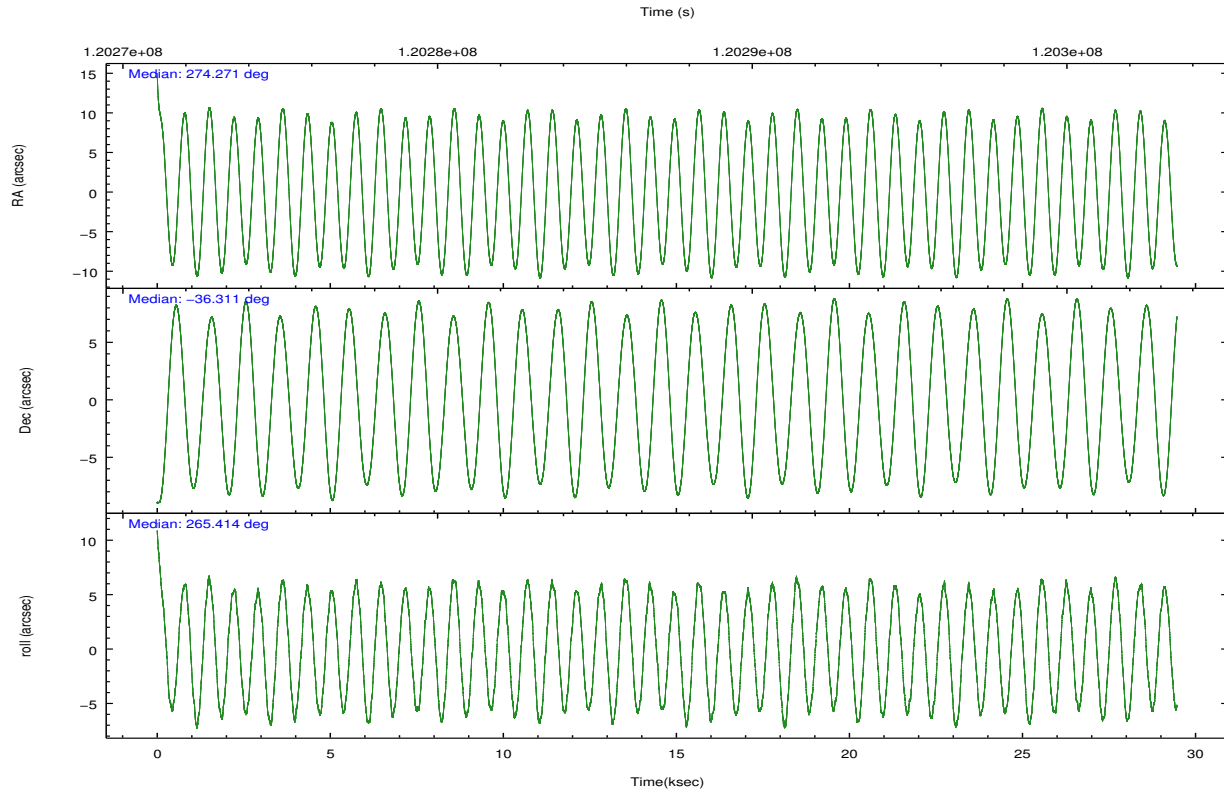
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	210032	198191	284879	206247	249489	295954	grade 0 events	13488	13067	25754	13821	12856	33771
rejected events	181936	170755	140646	177326	135593	198957		6%	6%	9%	6%	5%	11%
rejected %	86%	86%	49%	85%	54%	67%	grade 1 events	116	107	770	113	225	332
								0%	0%	0%	0%	0%	0%
							grade 2 events	5994	5481	40505	5851	23570	16228
								2%	2%	14%	2%	9%	5%
							grade 3 events	2010	2117	6618	2286	10362	14247
								0%	1%	2%	1%	4%	4%
							grade 4 events	2224	2191	6305	2213	10252	12771
								1%	1%	2%	1%	4%	4%
							grade 5 events	6176	6795	20107	7536	22280	10258
								2%	3%	7%	3%	8%	3%
							grade 6 events	4392	4591	65073	4756	56871	19994
								2%	2%	22%	2%	22%	6%
							grade 7 events	175632	163842	119747	169671	113073	188353
								83%	82%	42%	82%	45%	63%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	274.256220	274.2710904084594	Subarray requested	NONE	NONE
[deg] Pointing Dec	-36.286451	-36.31095361009228	Alternating exposures requested	N	N
[deg] Pointing Roll	265.257728	265.4231562234537	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	120272923.184000	120271870.42369			
Observation start date	2001-10-24T01:07:39	2001-10-24T00:51:10			
[s] Observation end time (MET)	120302023.184000	120302426.1874			
Observation end date	2001-10-24T09:12:39	2001-10-24T09:20:26			
Read mode	TIMED	TIMED			

2.3 Aspect



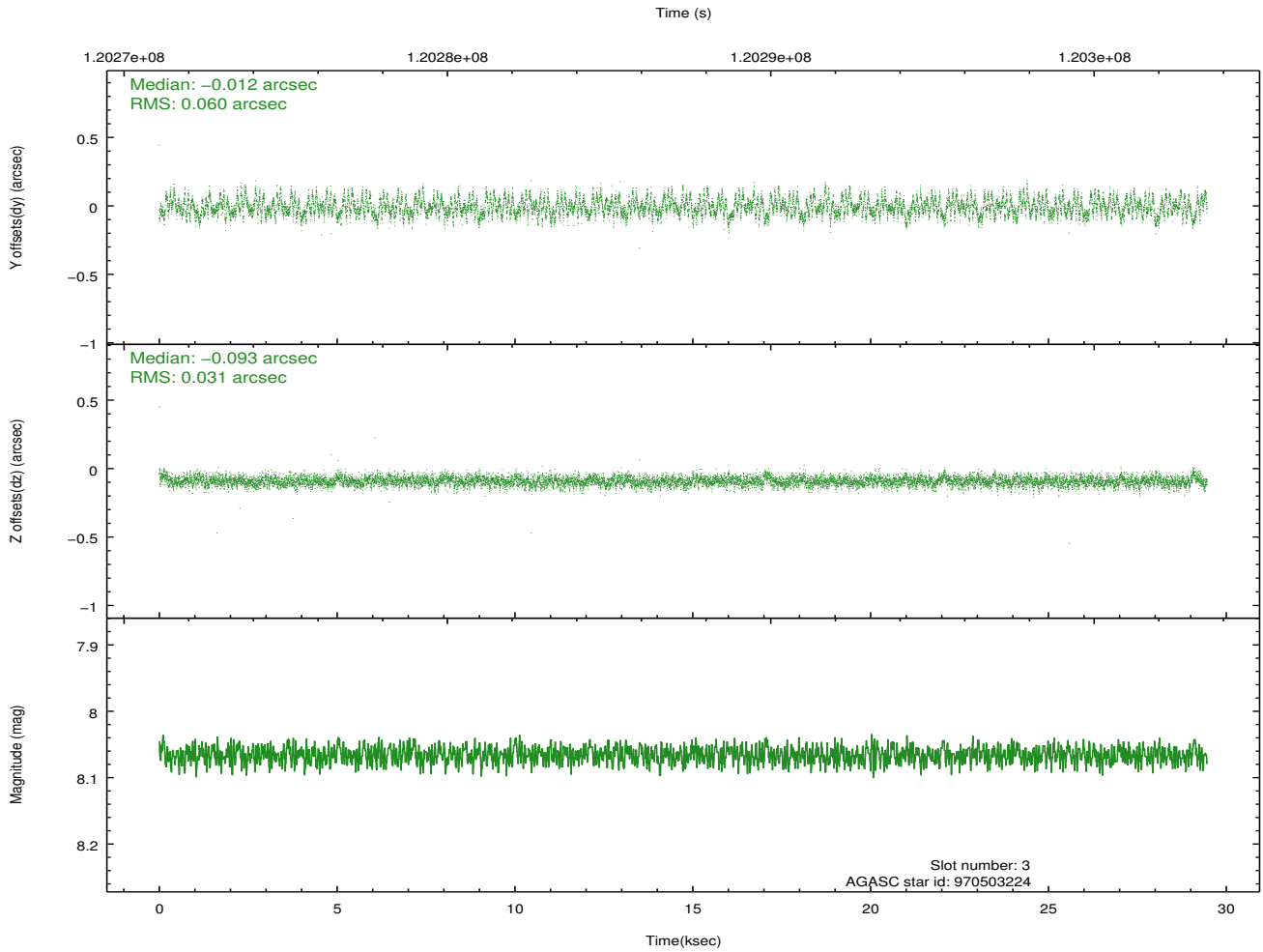
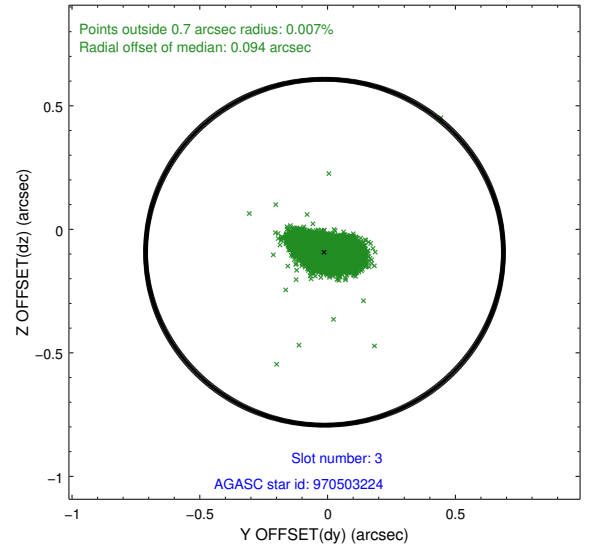
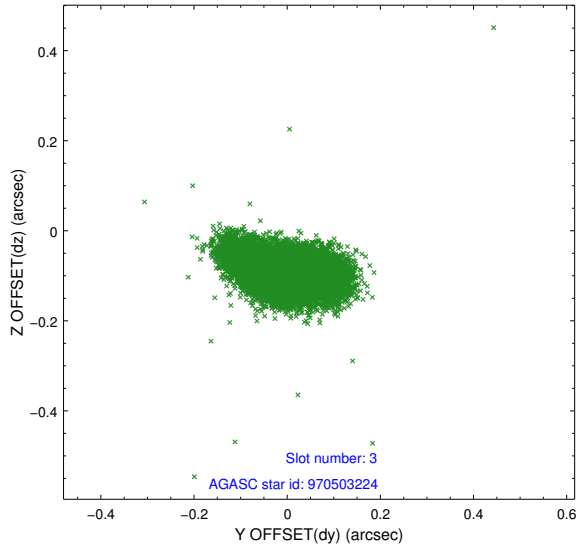


Slot Statistics

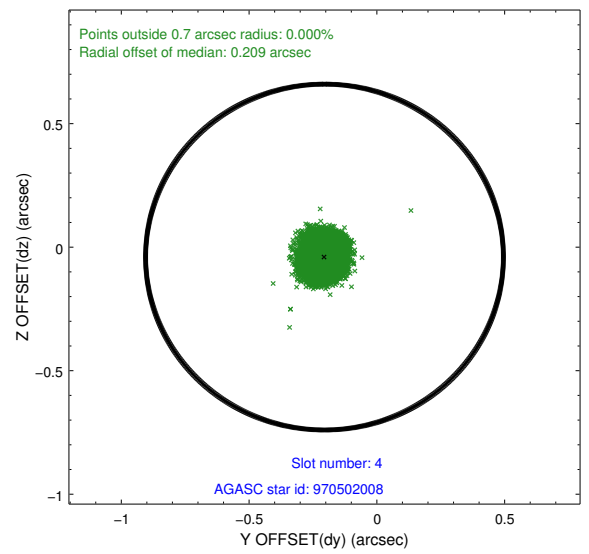
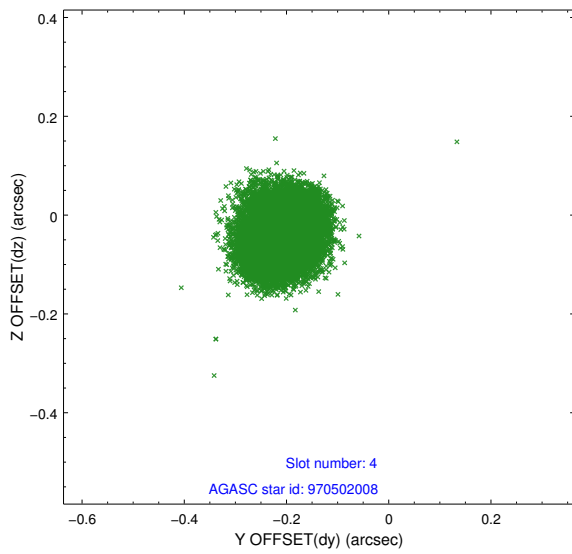
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7186	0.000	-0.006	0.011	0.024	0.000000	0.000000	-756.06	-1728.85
1	FID	ACIS-S-4	7.19	7185	-0.025	0.002	0.006	0.011	0.000000	0.000000	2157.17	179.54
2	FID	ACIS-S-5	7.24	7184	-0.005	0.014	0.011	0.024	0.000000	0.000000	-1808.79	173.33
3	GUIDE	970503224	8.07	14371	-0.012	-0.093	0.070	0.122	273.360263	-36.731322	1822.36	-2442.18
4	GUIDE	970502008	8.12	14371	-0.205	-0.040	0.066	0.100	273.802762	-35.819118	-1563.89	-1458.03
5	GUIDE	970588736	8.33	14372	0.030	0.161	0.051	0.082	274.990202	-36.889326	1995.97	2287.13
6	GUIDE	970467240	8.76	14373	0.242	-0.135	0.088	0.141	273.523580	-36.872014	2284.11	-1927.01
7	GUIDE	970617088	9.05	14369	-0.052	0.106	0.118	0.186	275.009017	-36.035984	-1071.46	2110.43

2.4 Star Slots

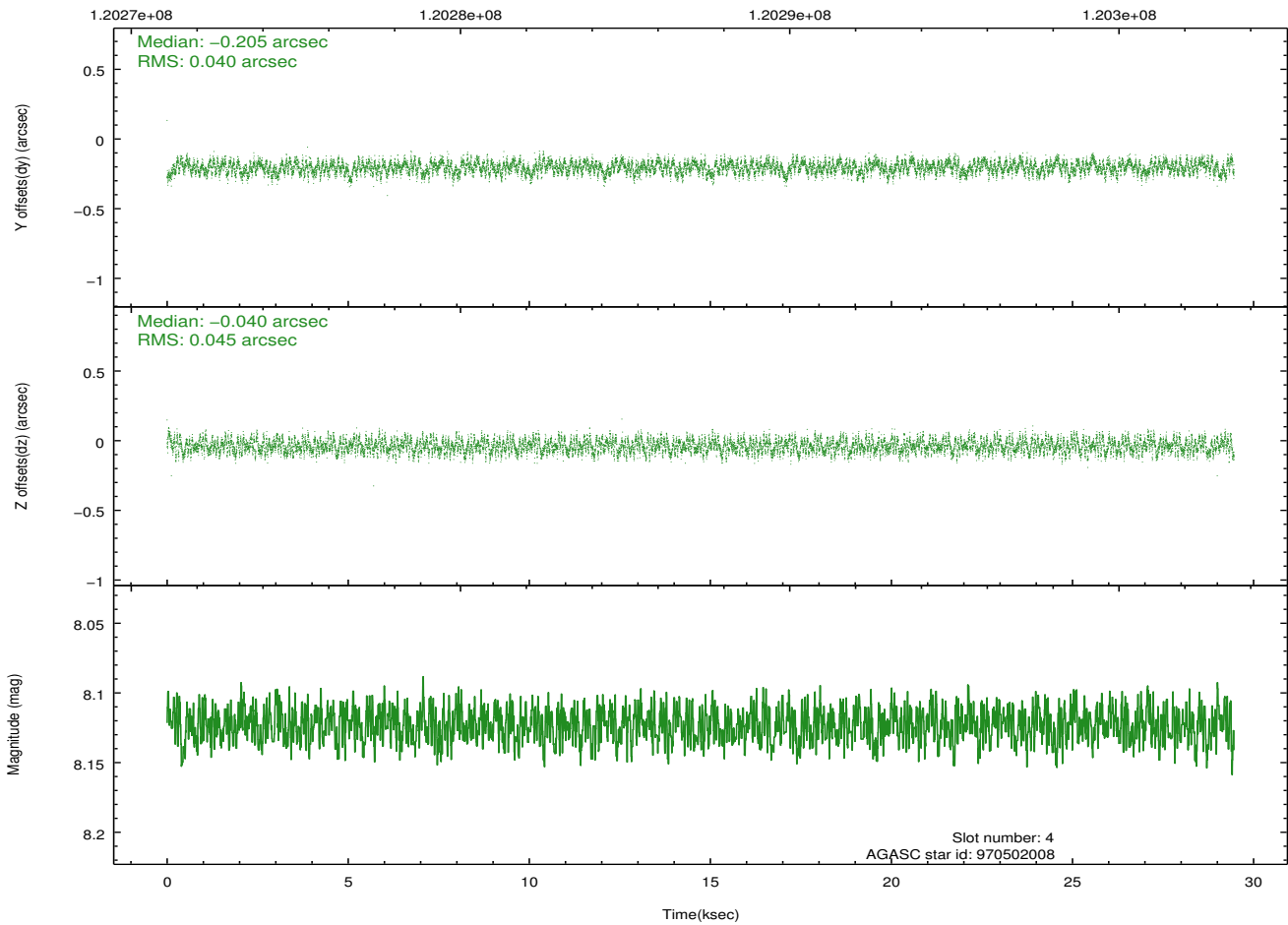
2.4.1 Slot 3



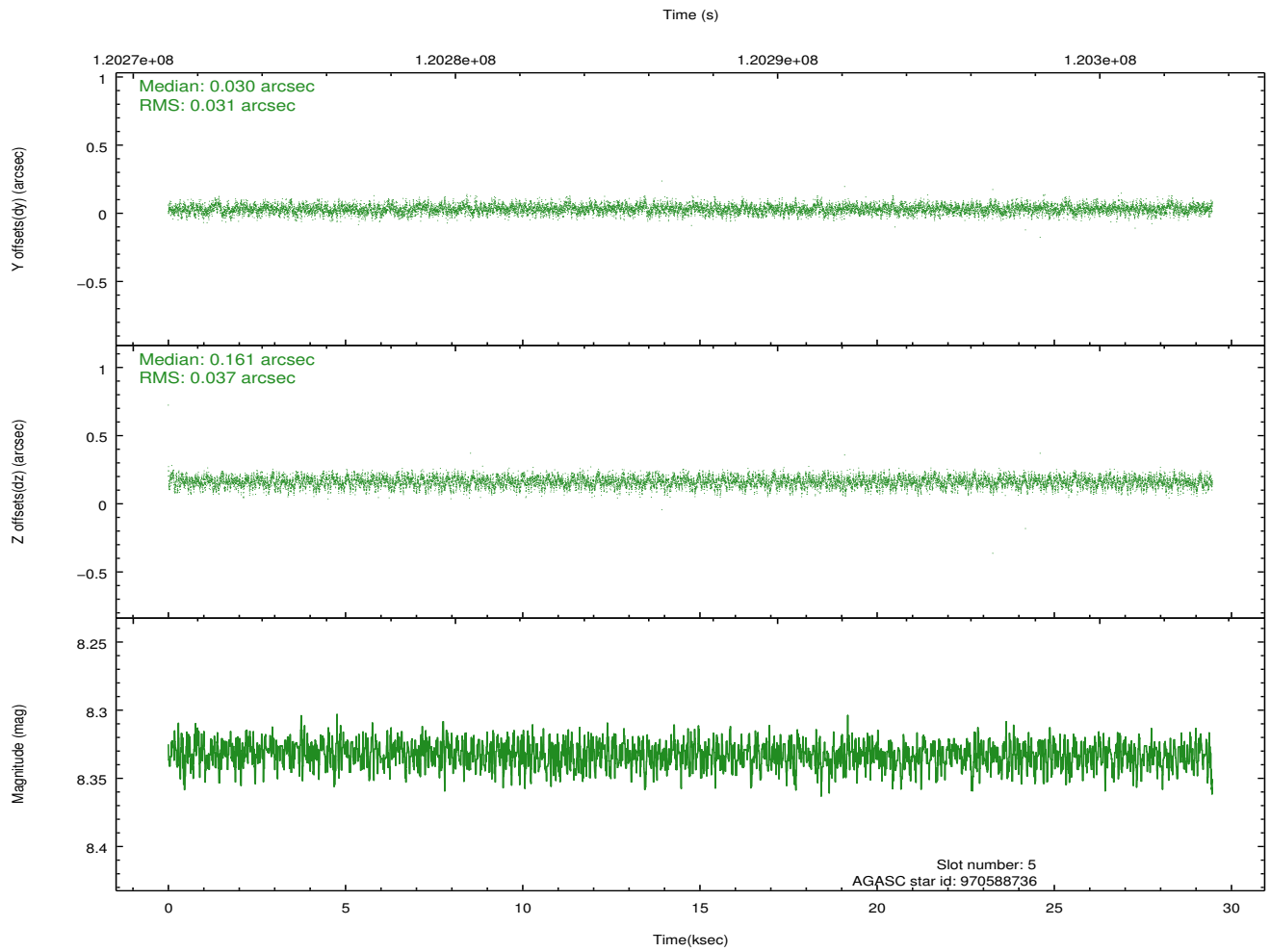
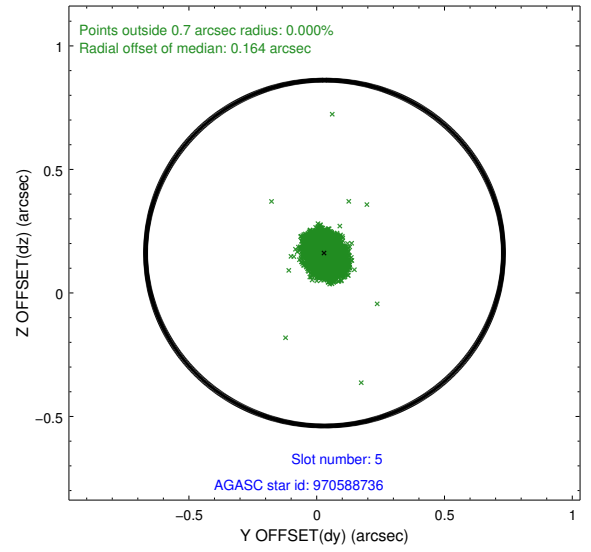
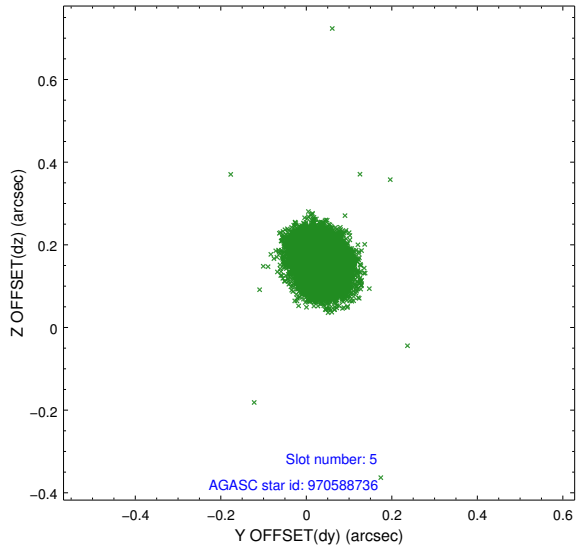
2.4.2 Slot 4



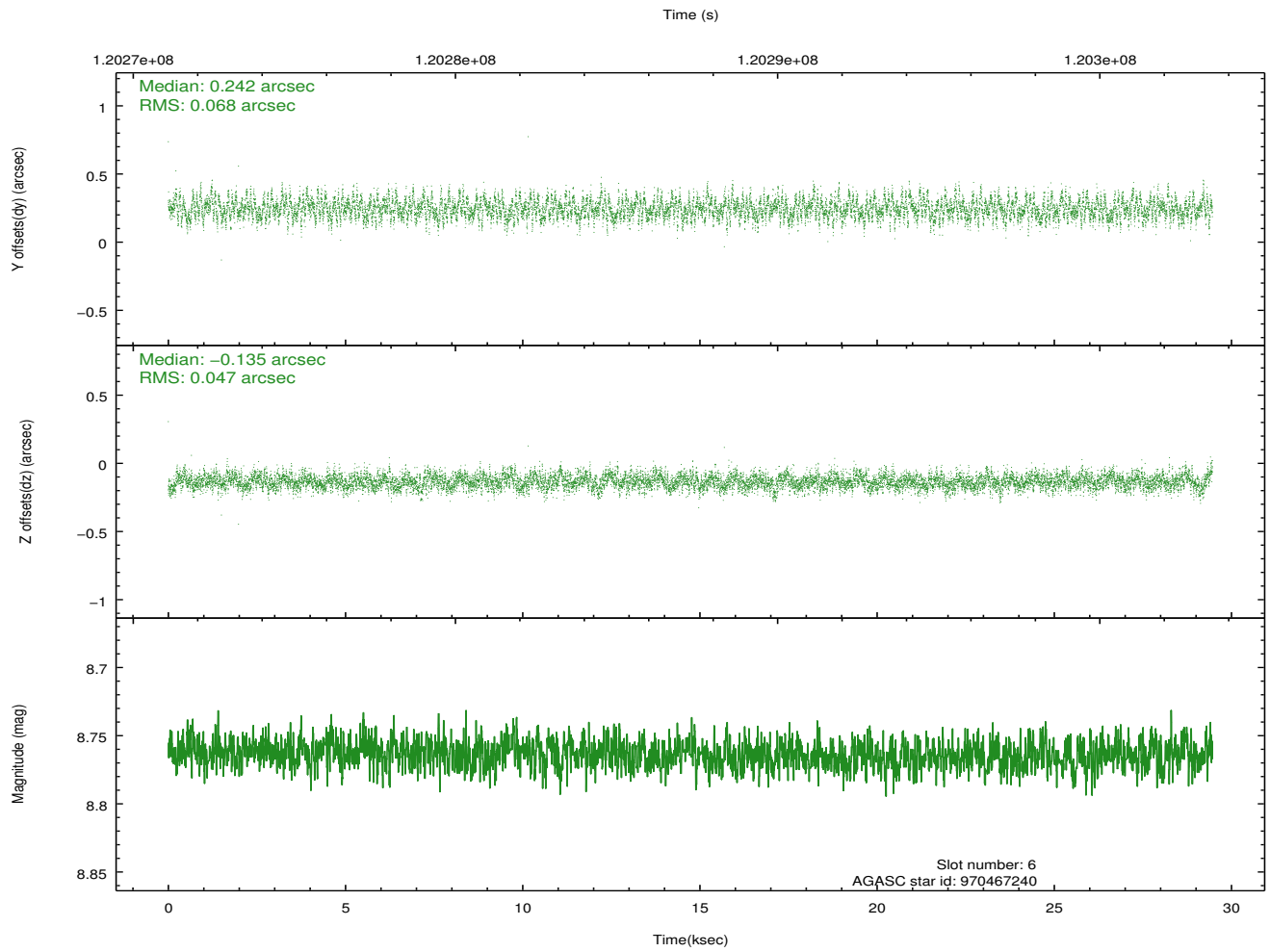
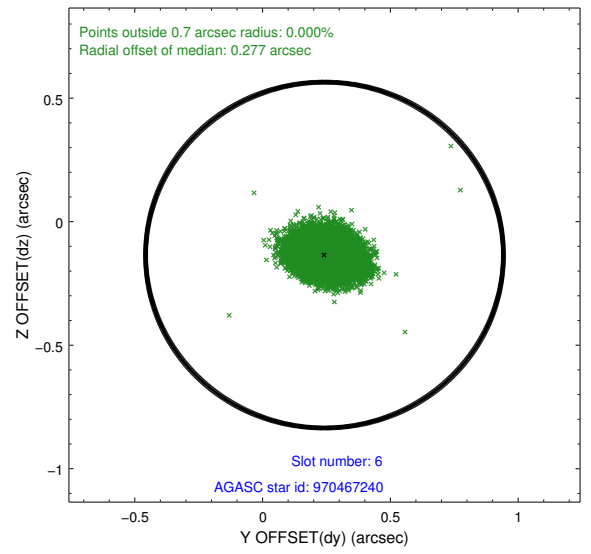
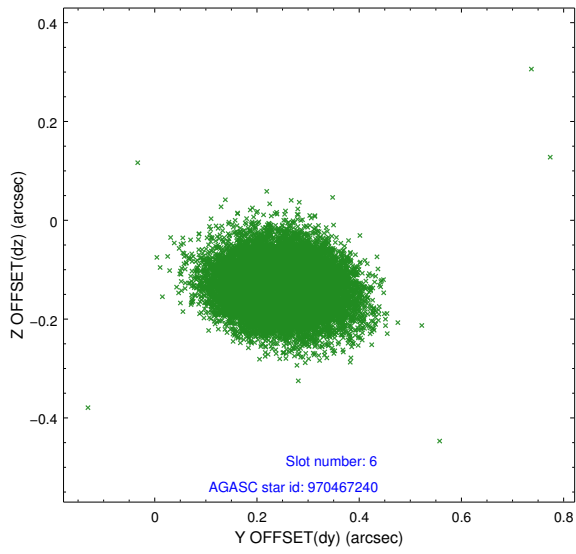
Time (s)



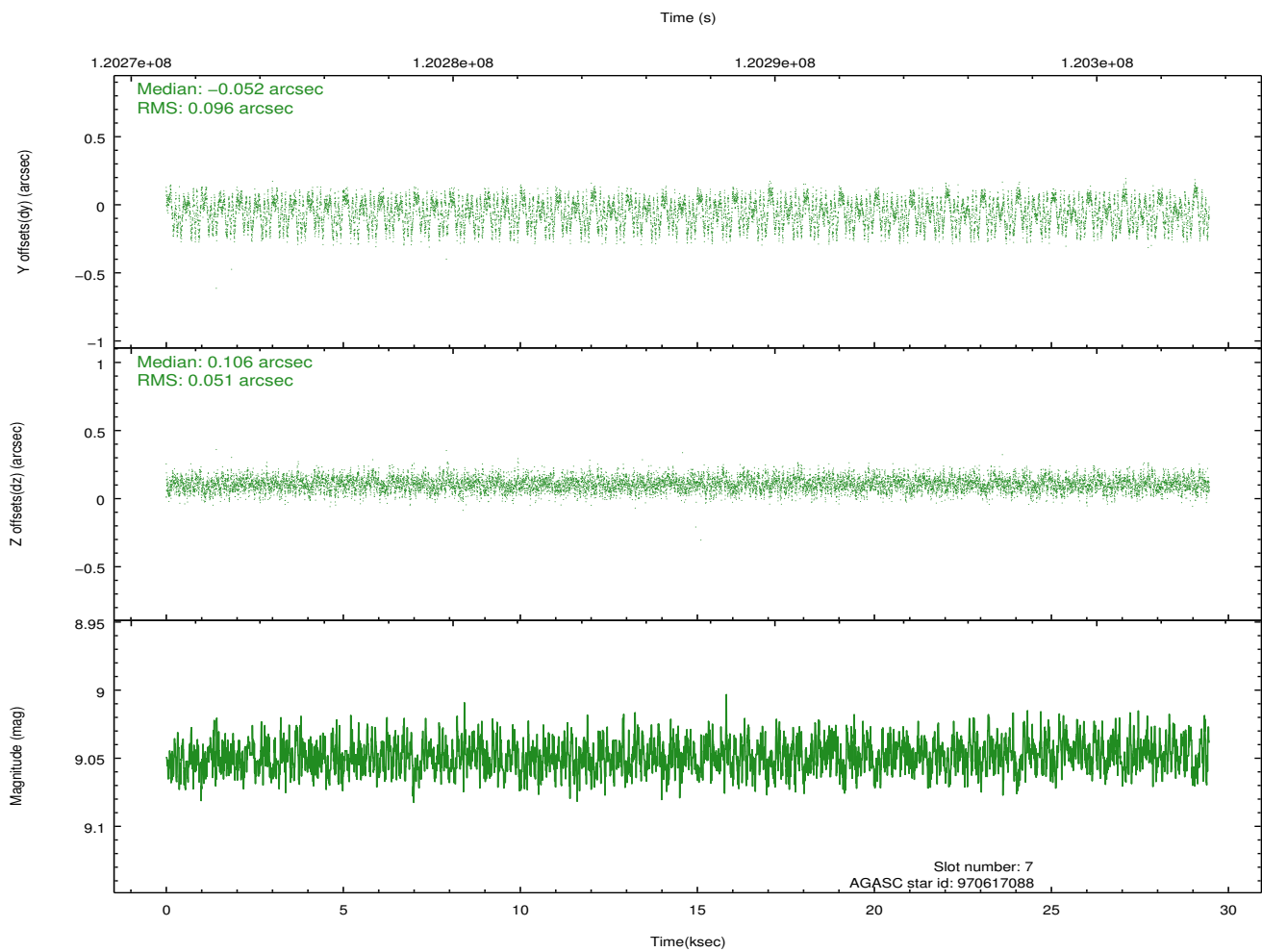
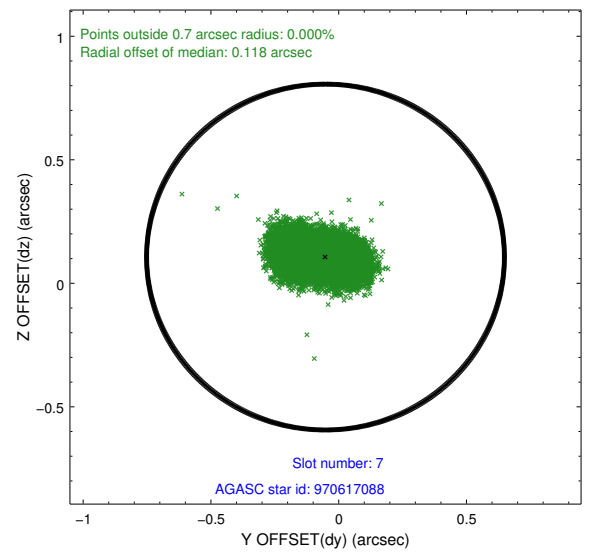
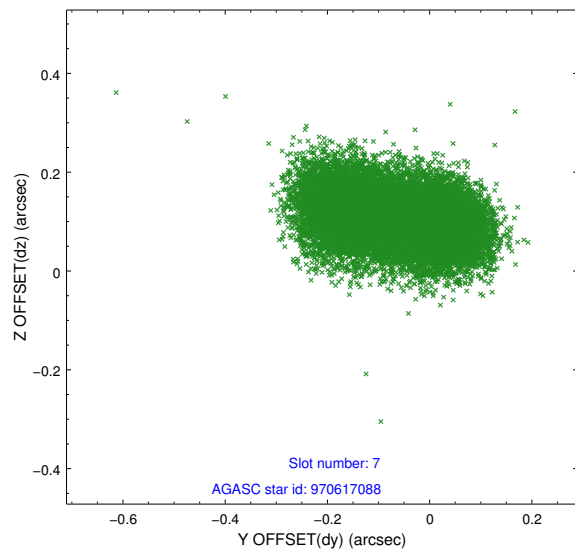
2.4.3 Slot 5



2.4.4 Slot 6

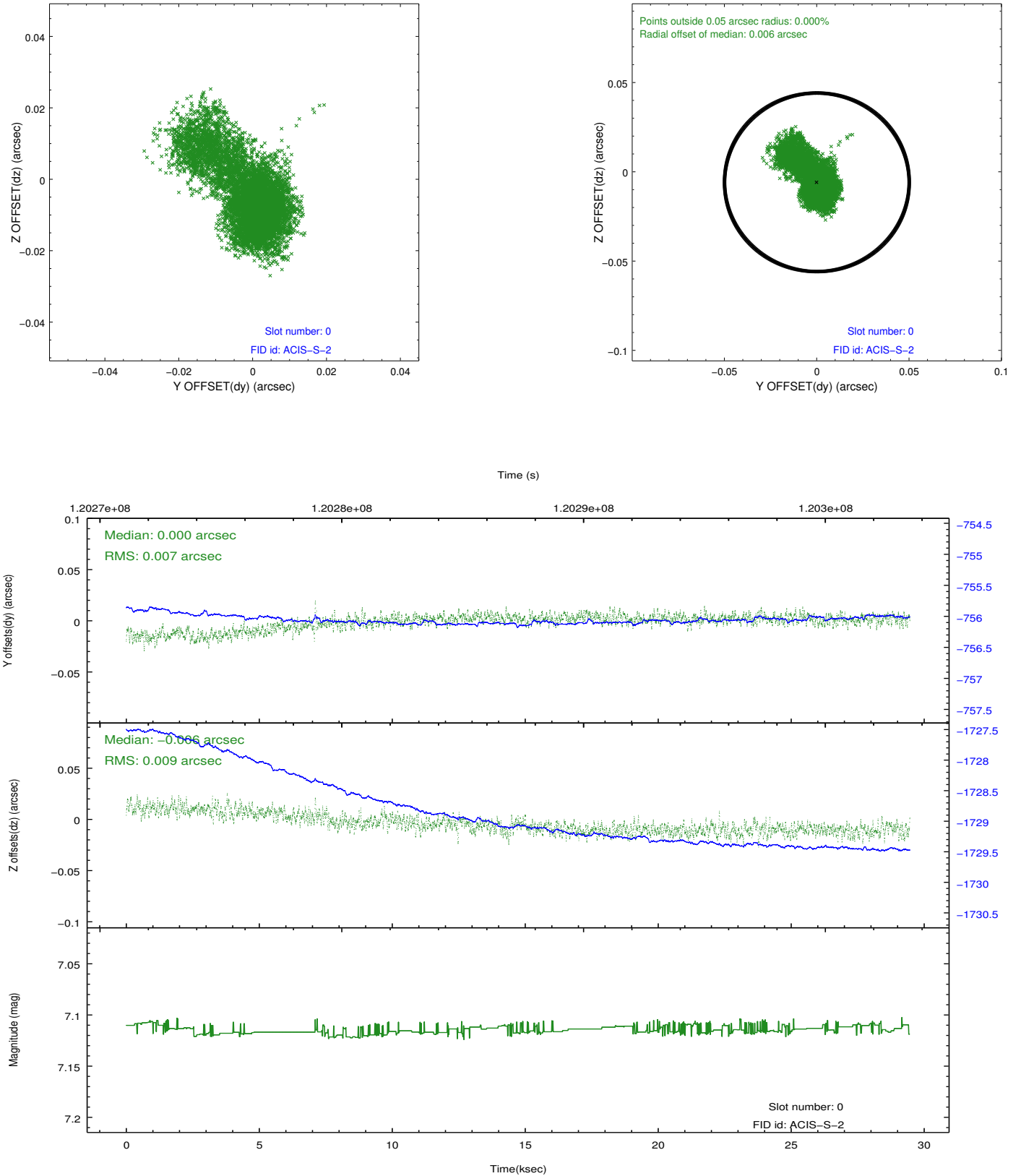


2.4.5 Slot 7

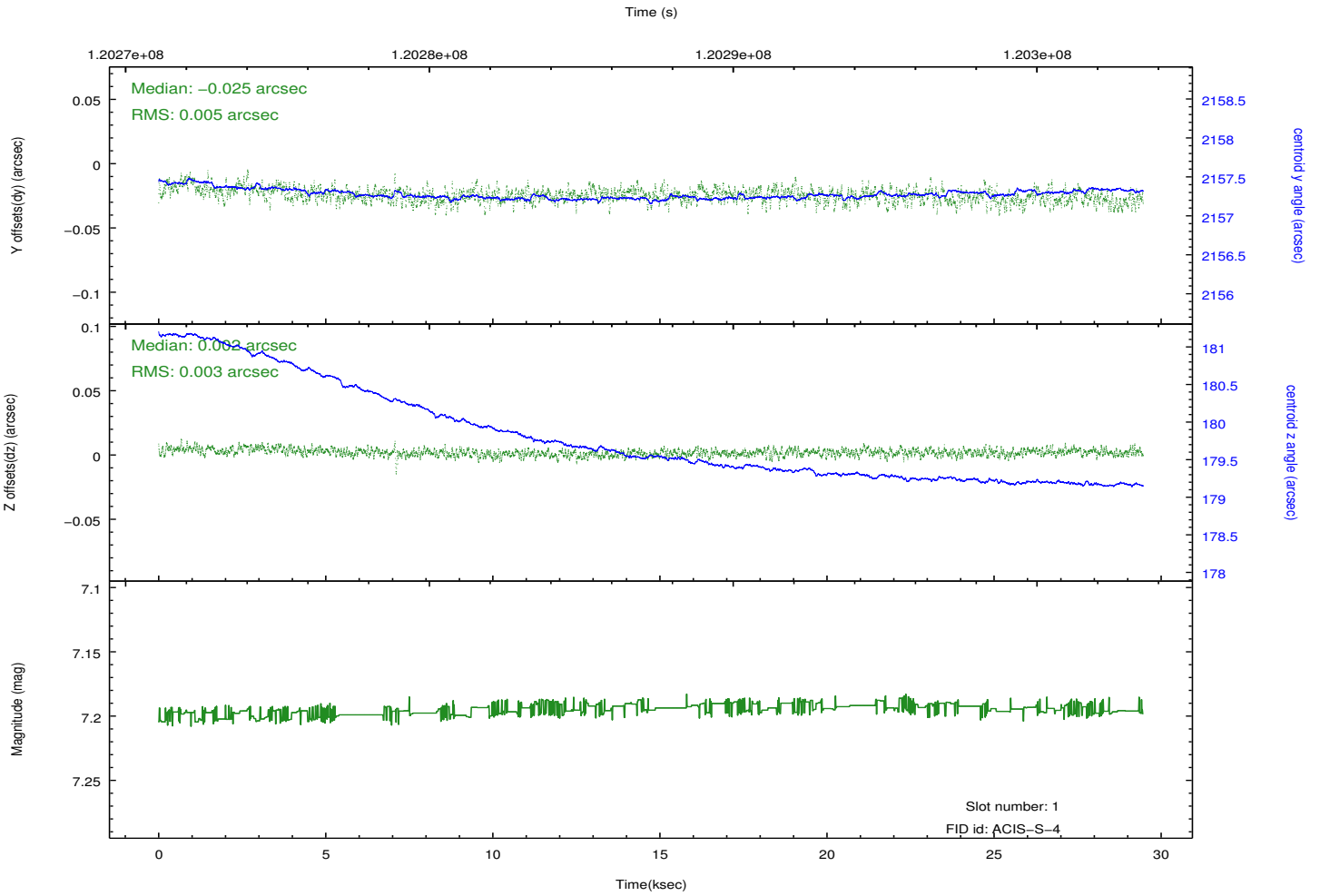
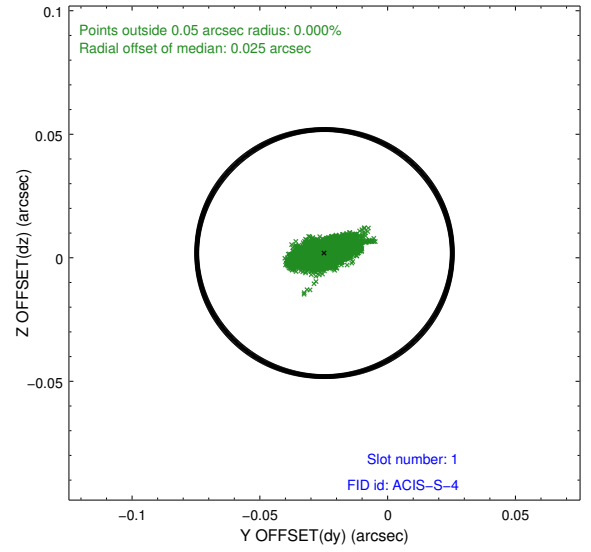
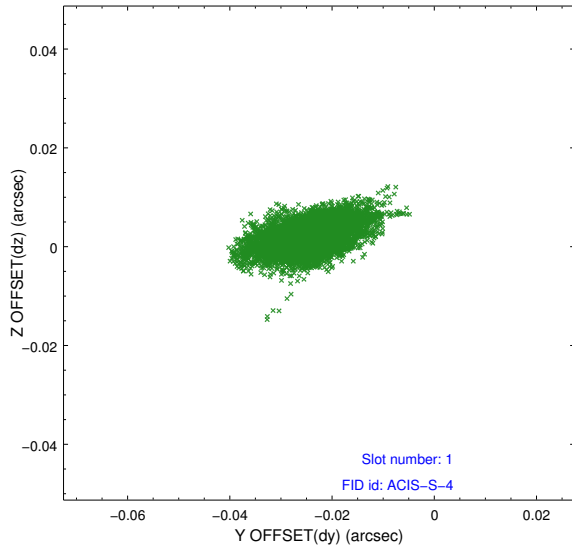


2.5 FID Slots

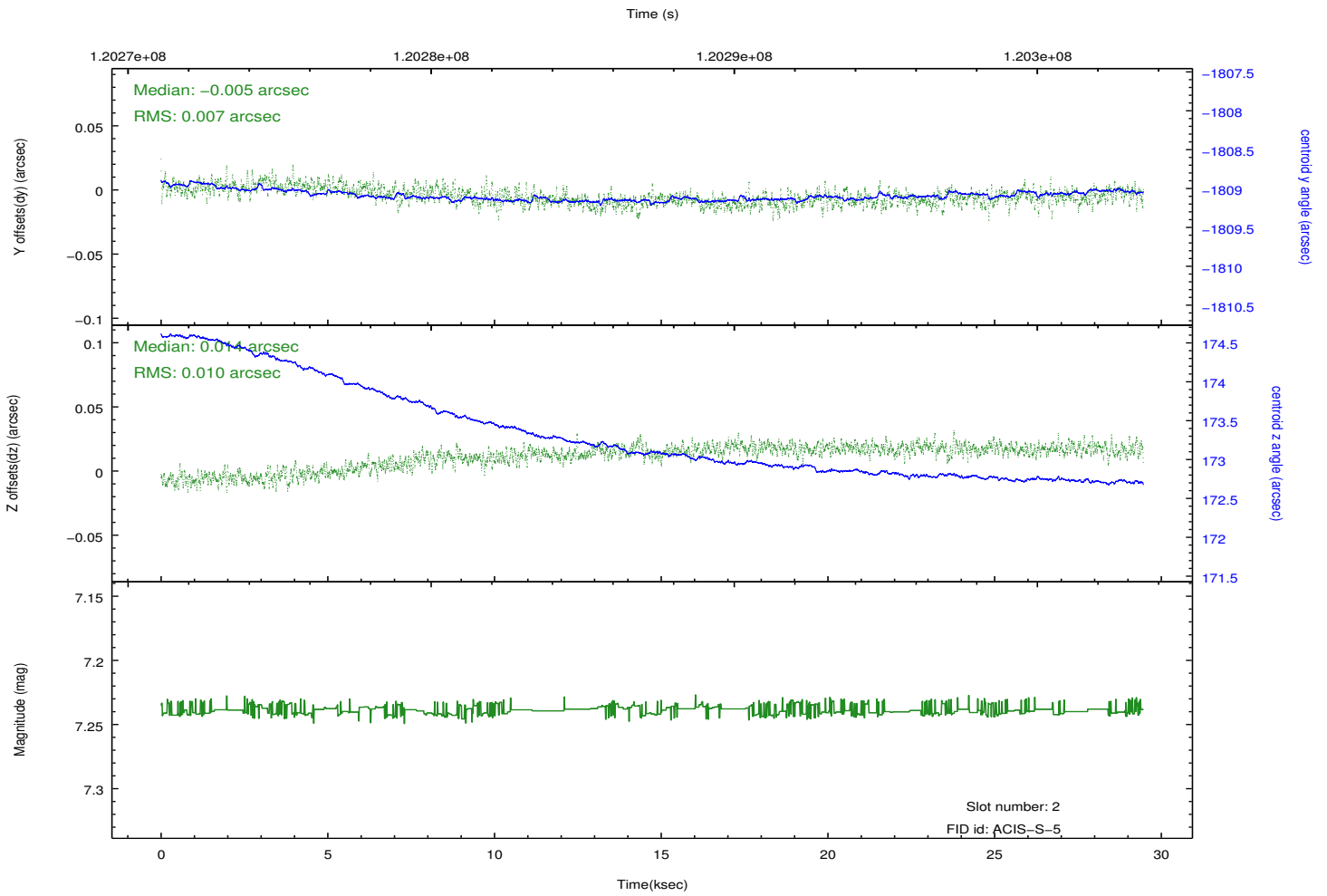
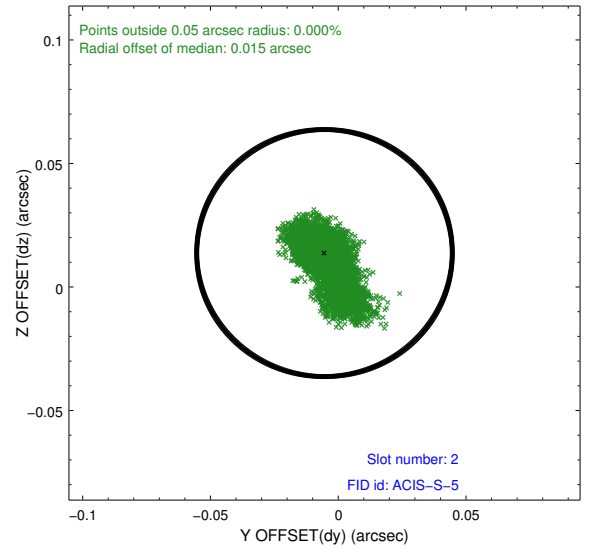
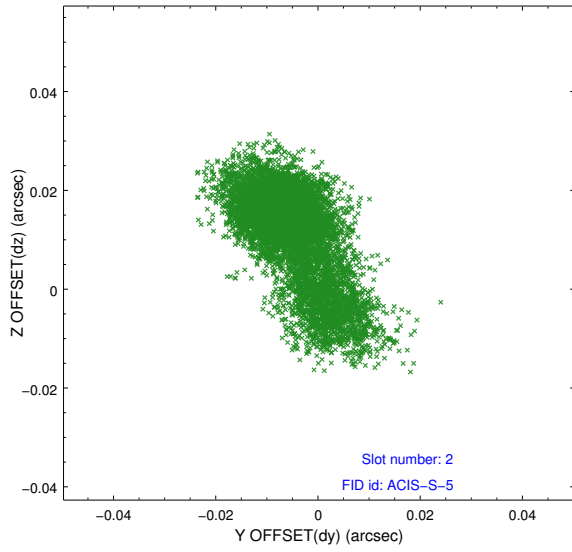
2.5.1 Slot 0



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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.046

A.2 Comments