

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8506 - L2 Version 3
Chandra X-Ray Center

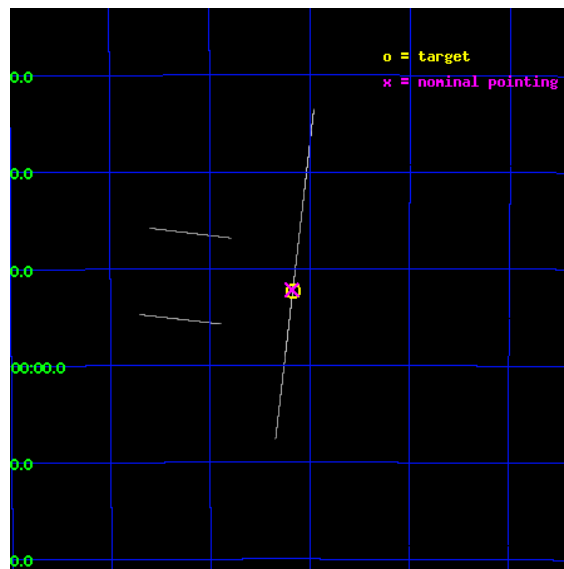
L2 Processing Date : Apr 19 2012

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1 Front

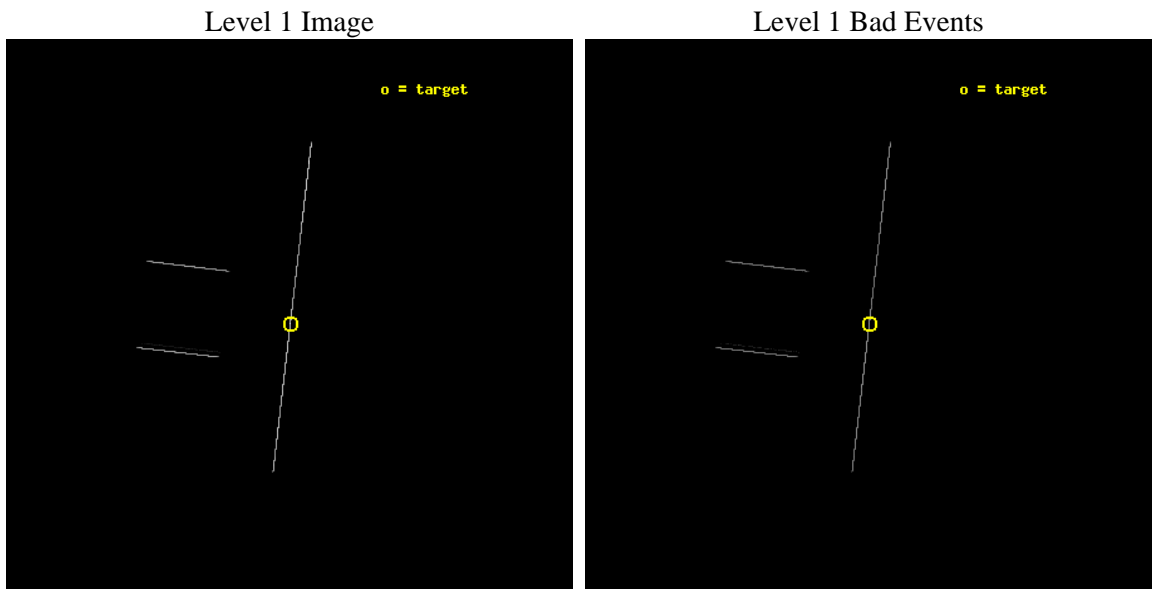
seq_num	500820	Sequence number
obs_id	8506	Observation id
title	Repudiation or Confirmation of an Enormous Glitch in a Magnetar	Pr
observer	Dr. Peter Woods	Principal investigator
object	CXO J164710.2-455216	Source name
ra_targ	251.7925	Observer's specified target RA [deg]
dec_targ	-45.871361	Observer's specified target Dec [deg]
ra_nom	251.79458005443	Nominal RA [deg]
dec_nom	-45.869866522424	Nominal Dec [deg]
roll_nom	96.66621522182	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20182.0	Sum of GTIs [s]
livetime	20103.1640625	Livetime [s]
ontime2	20182.0	Sum of GTIs [s]
ontime3	20182.0	Sum of GTIs [s]
ontime5	20182.0	Sum of GTIs [s]
ontime6	20182.0	Sum of GTIs [s]
ontime7	20182.0	Sum of GTIs [s]
ontime8	20182.0	Sum of GTIs [s]
l2events	368059	Number of level 2 events



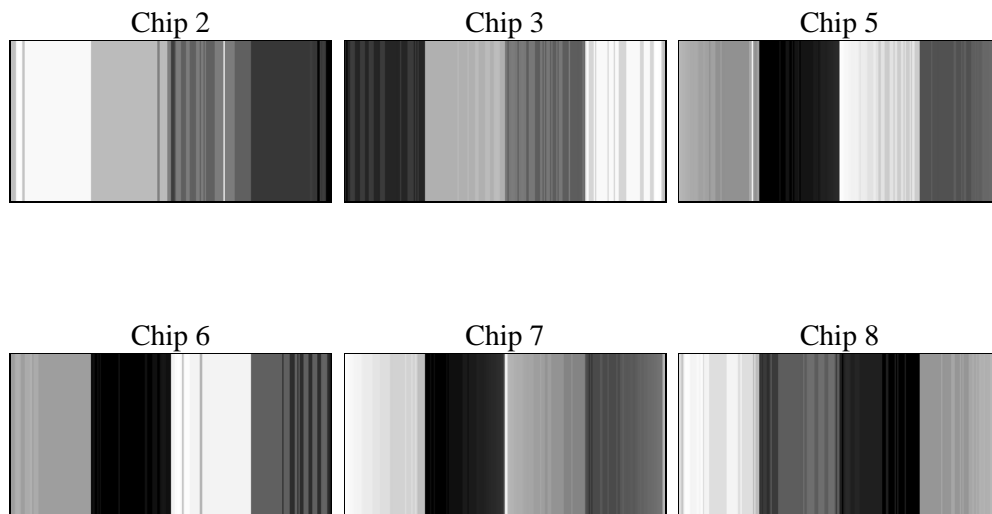
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20182.0	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	20182.0	Sum of GTIs [s]
date	2012-04-19T14:24:07	Date and time of file creation	ontime3	20182.0	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	20182.0	Sum of GTIs [s]
			ontime6	20182.0	Sum of GTIs [s]
			ontime7	20182.0	Sum of GTIs [s]
			ontime8	20182.0	Sum of GTIs [s]
			l1events	552673	Number of level 1 events

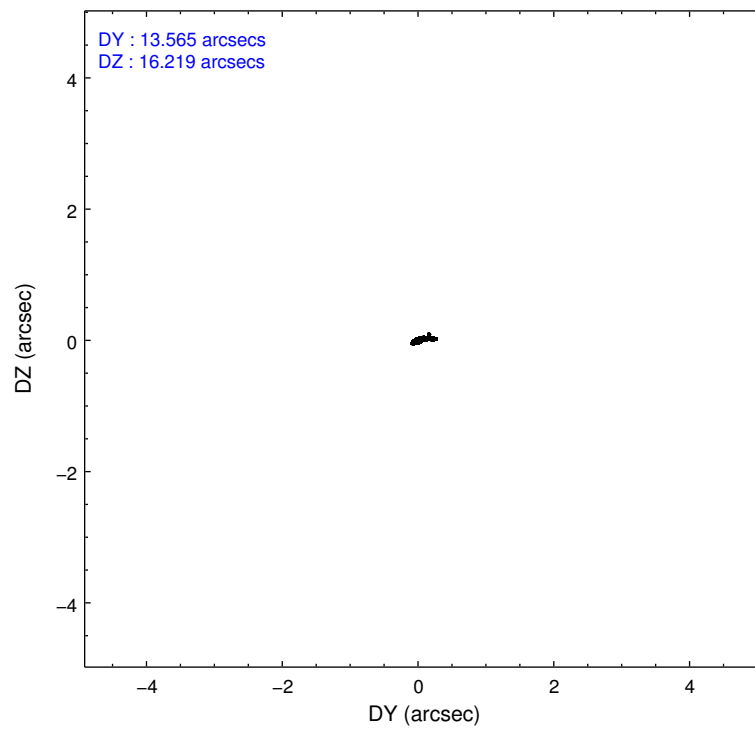
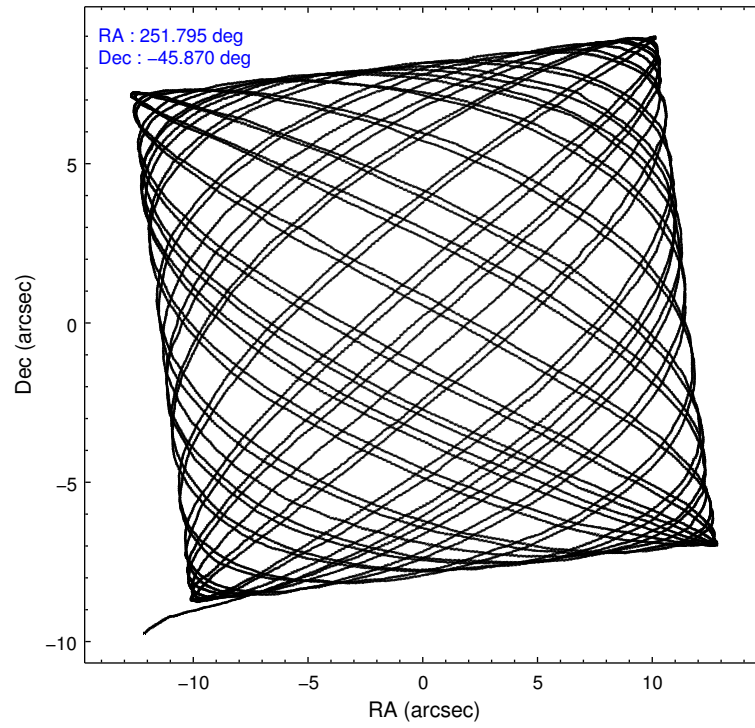
2.1.4 Events

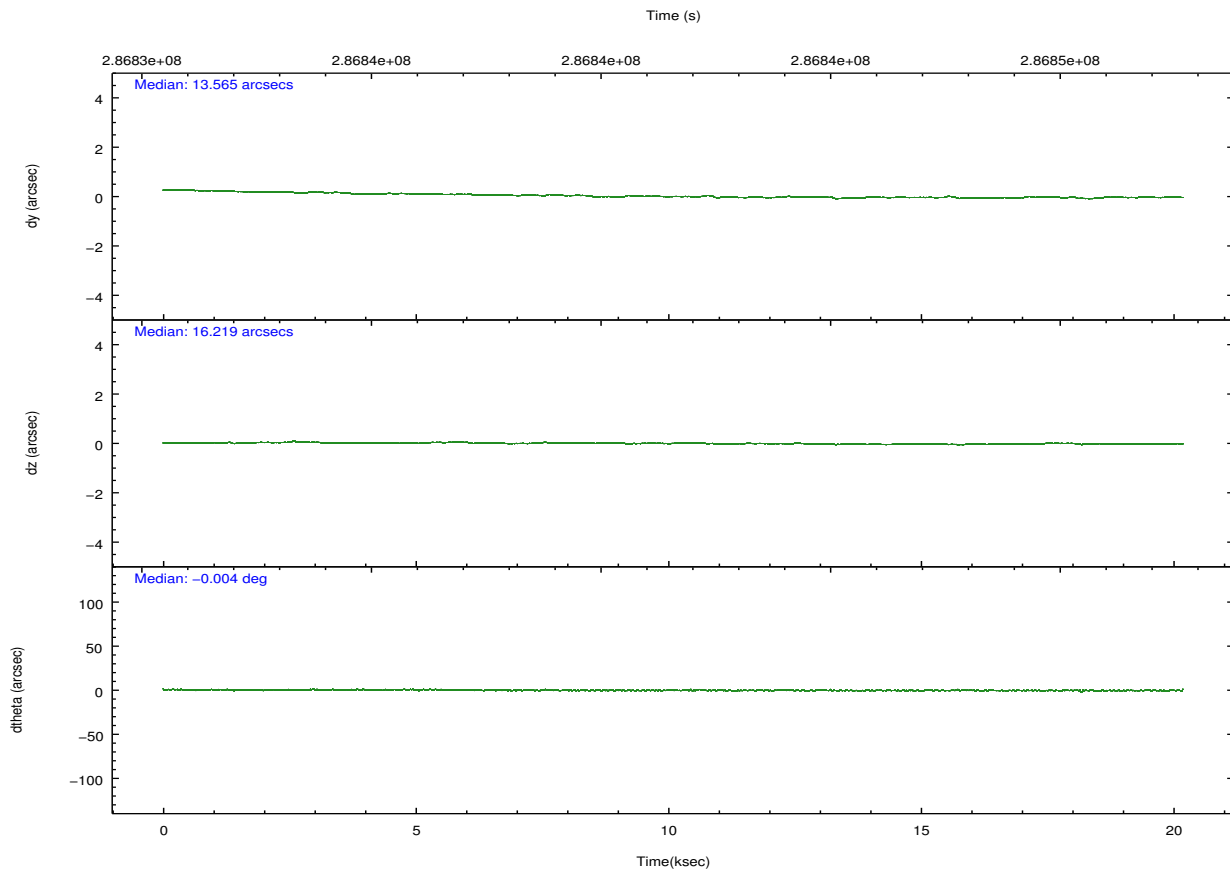
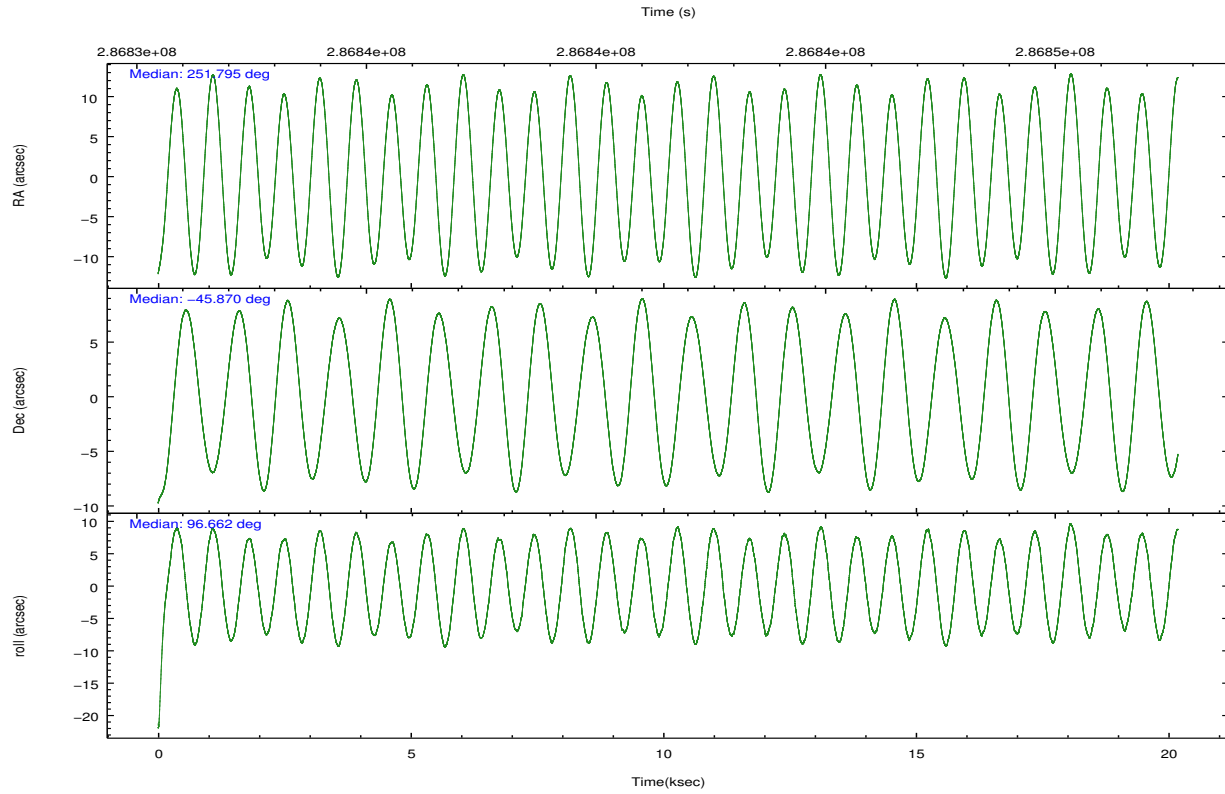
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	38521	41620	198823	46594	142636	84479	grade 0 events	4707	4849	45398	5117	12603	14937
rejected events	7325	7926	17864	8364	21006	11679		12%	11%	22%	10%	8%	17%
rejected %	19%	19%	8%	17%	14%	13%	grade 1 events	173	170	313	177	299	284
								0%	0%	0%	0%	0%	0%
							grade 2 events	12248	13082	52567	16724	31748	23098
								31%	31%	26%	35%	22%	27%
							grade 3 events	3847	4639	3798	4124	9089	8232
								9%	11%	1%	8%	6%	9%
							grade 4 events	3991	3992	3588	3867	8764	7696
								10%	9%	1%	8%	6%	9%
							grade 5 events	7003	7612	16793	8046	20254	11087
								18%	18%	8%	17%	14%	13%
							grade 6 events	6552	7276	76366	8539	59879	19145
								17%	17%	38%	18%	41%	22%
							grade 7 events	0	0	0	0	0	0
								0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	251.818473	251.7945800544279	CCD I2 on	Y	Y
[deg] Pointing Dec	-45.891555	-45.86986652242443	CCD I3 on	Y	Y
[deg] Pointing Roll	96.526747	96.66621522182044	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	286831665.184000	286831092.62692	CCD S5 on	N	N
Observation start date	2007-02-02T19:26:40	2007-02-02T19:18:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	286851665.184000	286852534.60294	On-chip summing requested	N	N
Observation end date	2007-02-03T01:00:00	2007-02-03T01:15:34	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



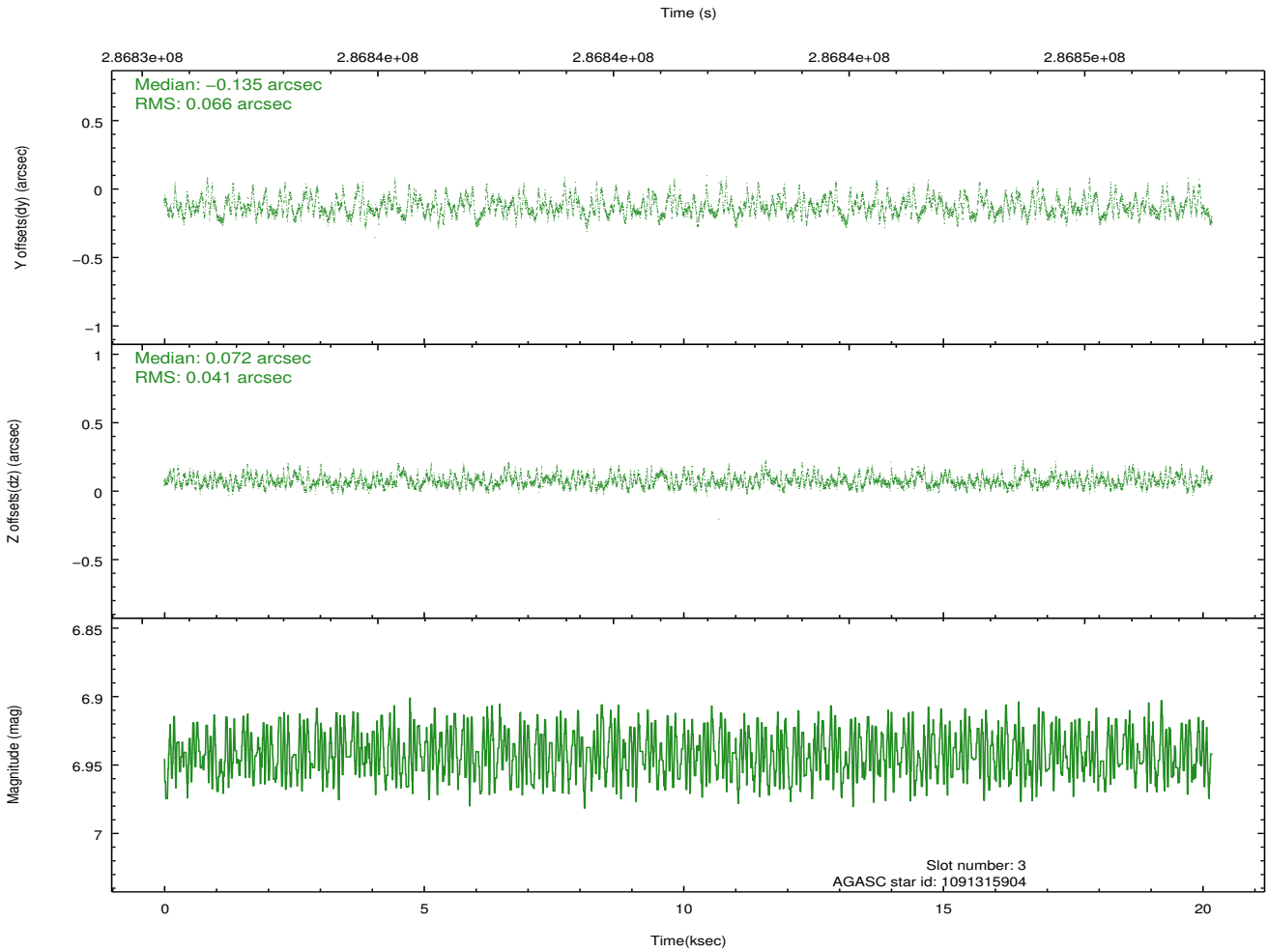
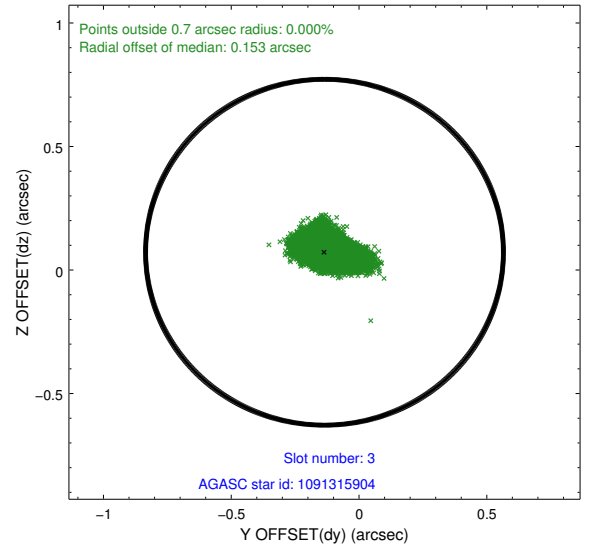
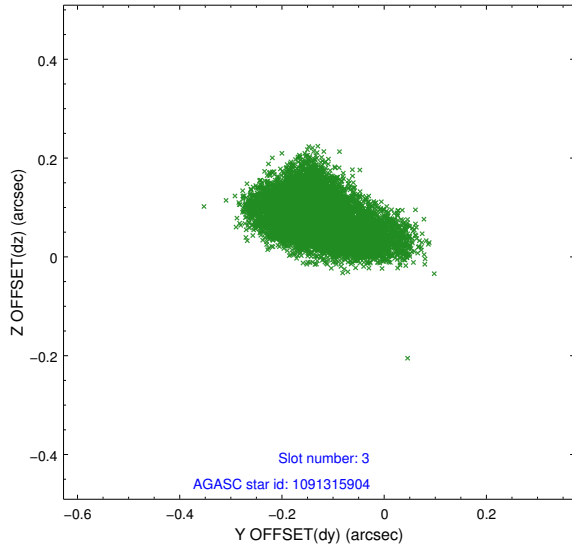


Slot Statistics

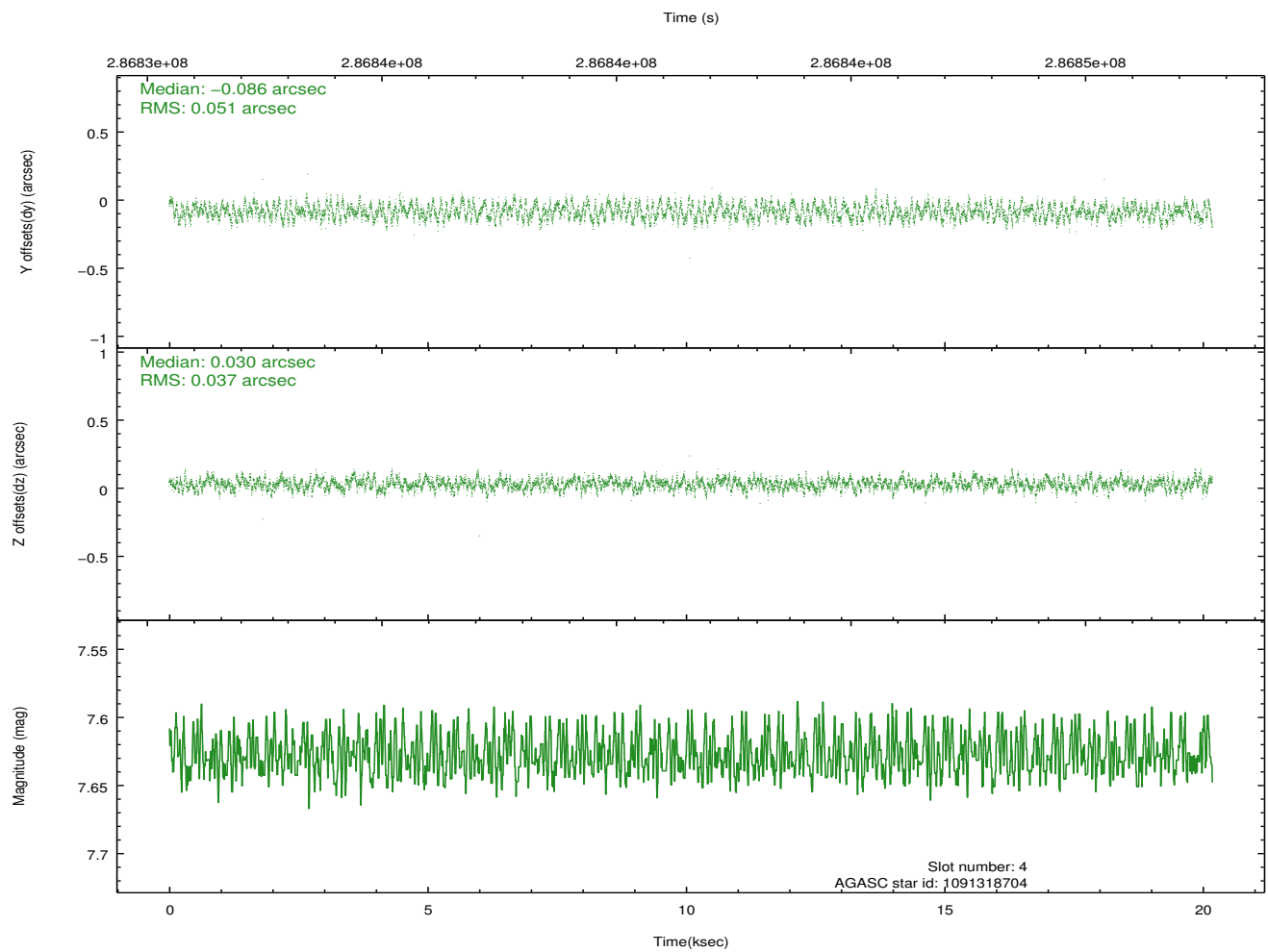
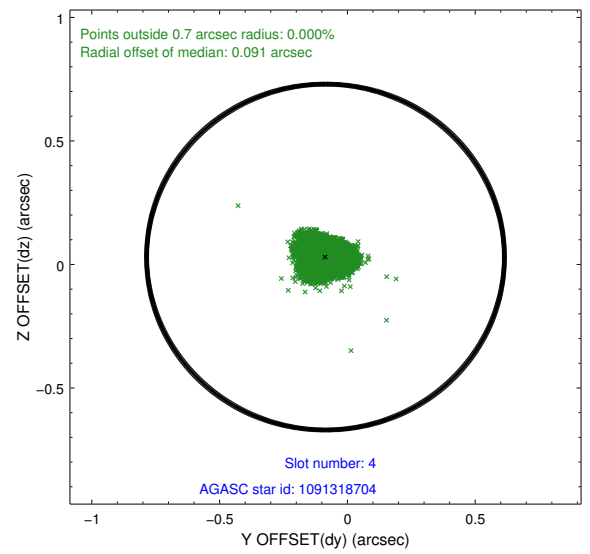
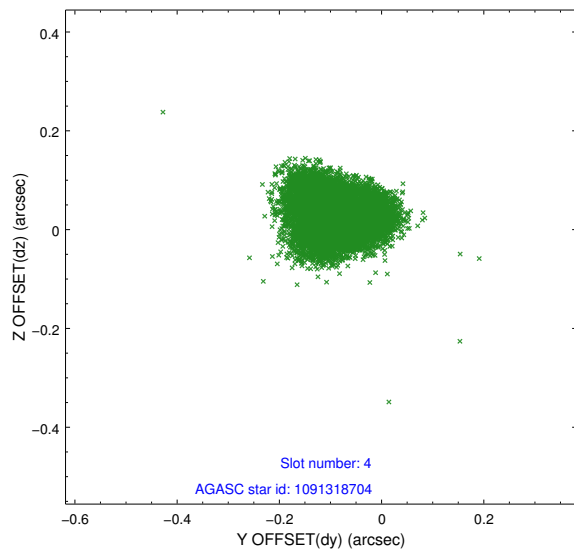
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	4924	-0.047	-0.036	0.008	0.013	0.000000	0.000000	-766.58	-1737.62
1	FID	ACIS-S-4	7.20	4924	0.188	0.032	0.008	0.015	0.000000	0.000000	2146.85	170.74
2	FID	ACIS-S-5	7.22	4923	-0.172	0.012	0.007	0.013	0.000000	0.000000	-1819.31	164.60
3	GUIDE	1091315904	6.94	9847	-0.135	0.072	0.082	0.139	252.023077	-45.944918	-249.63	-486.69
4	GUIDE	1091318704	7.63	9846	-0.086	0.030	0.068	0.105	251.955714	-45.390313	1753.17	-549.51
5	GUIDE	1091321752	6.95	9845	0.176	-0.143	0.060	0.098	251.516776	-46.486101	-2042.44	986.33
6	GUIDE	1091326848	8.84	9843	-0.138	0.103	0.081	0.132	252.143808	-45.528706	1202.79	-962.99
7	GUIDE	1091343368	6.89	9847	0.176	-0.067	0.069	0.115	251.526552	-46.531998	-2209.61	980.50

2.4 Star Slots

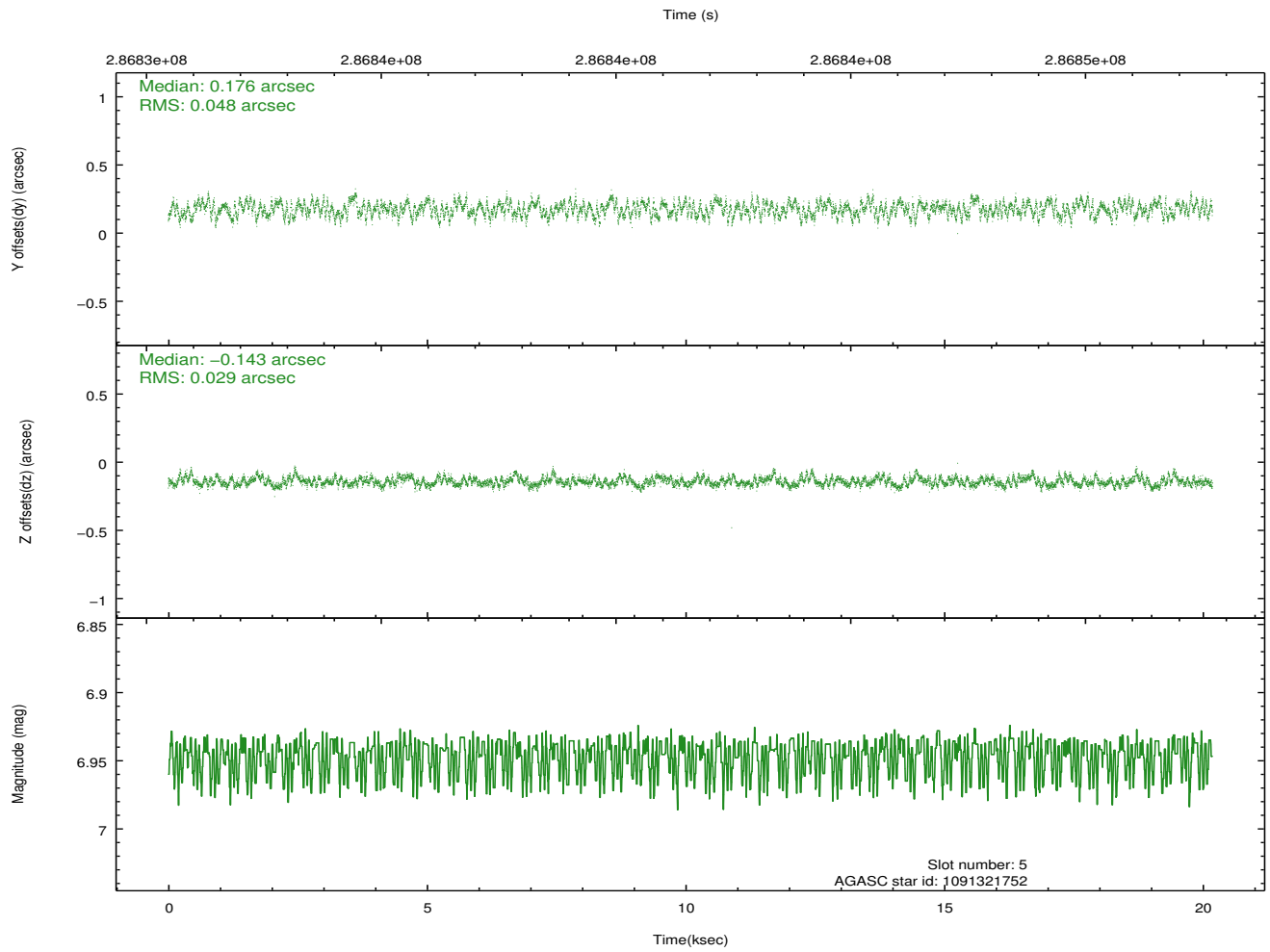
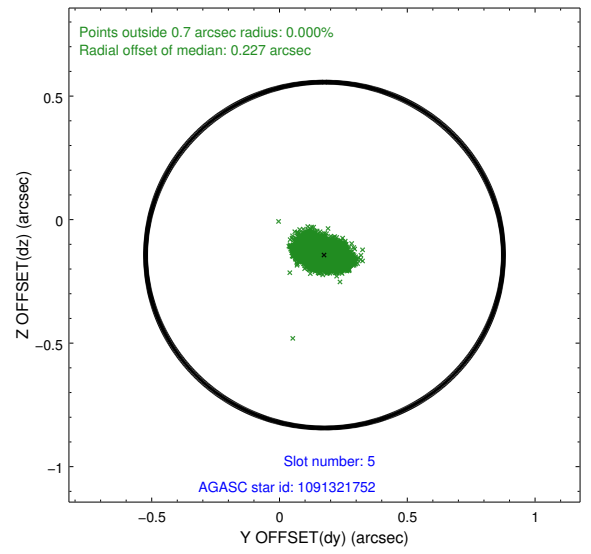
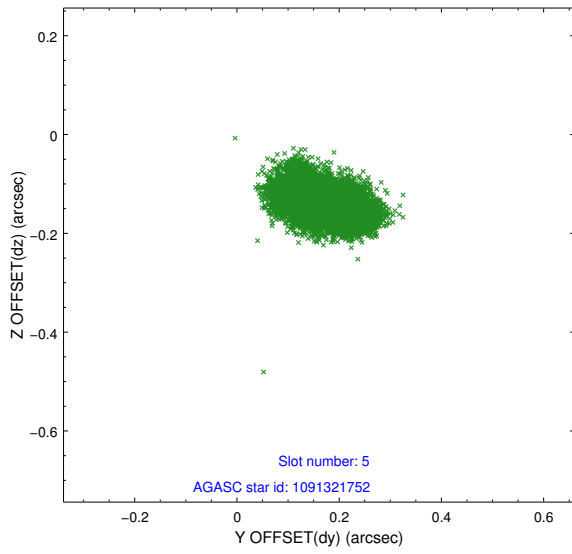
2.4.1 Slot 3



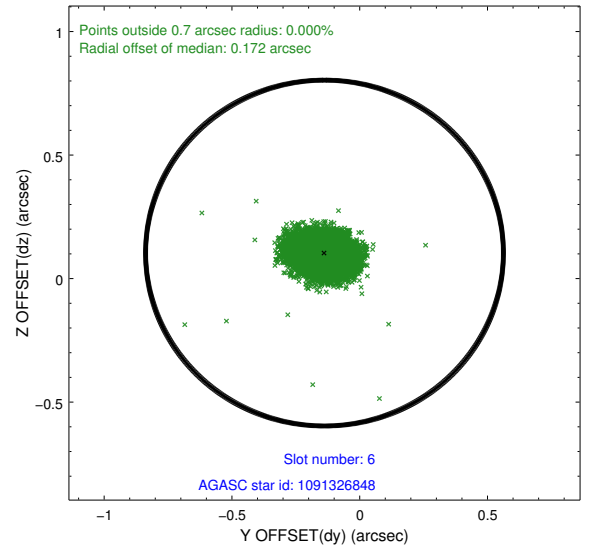
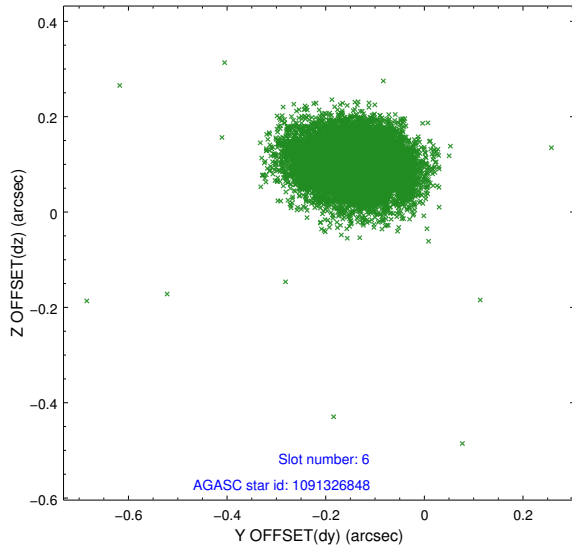
2.4.2 Slot 4



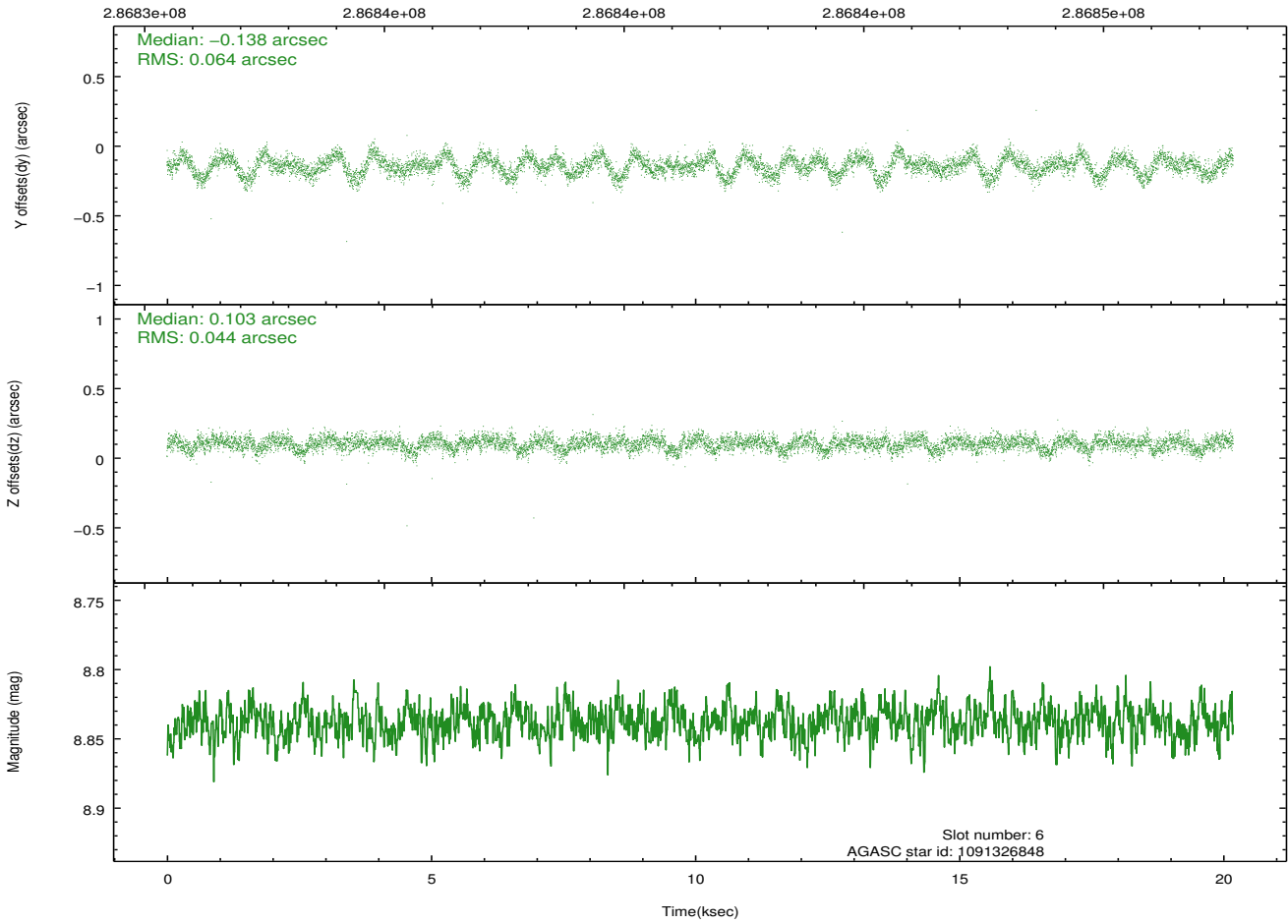
2.4.3 Slot 5



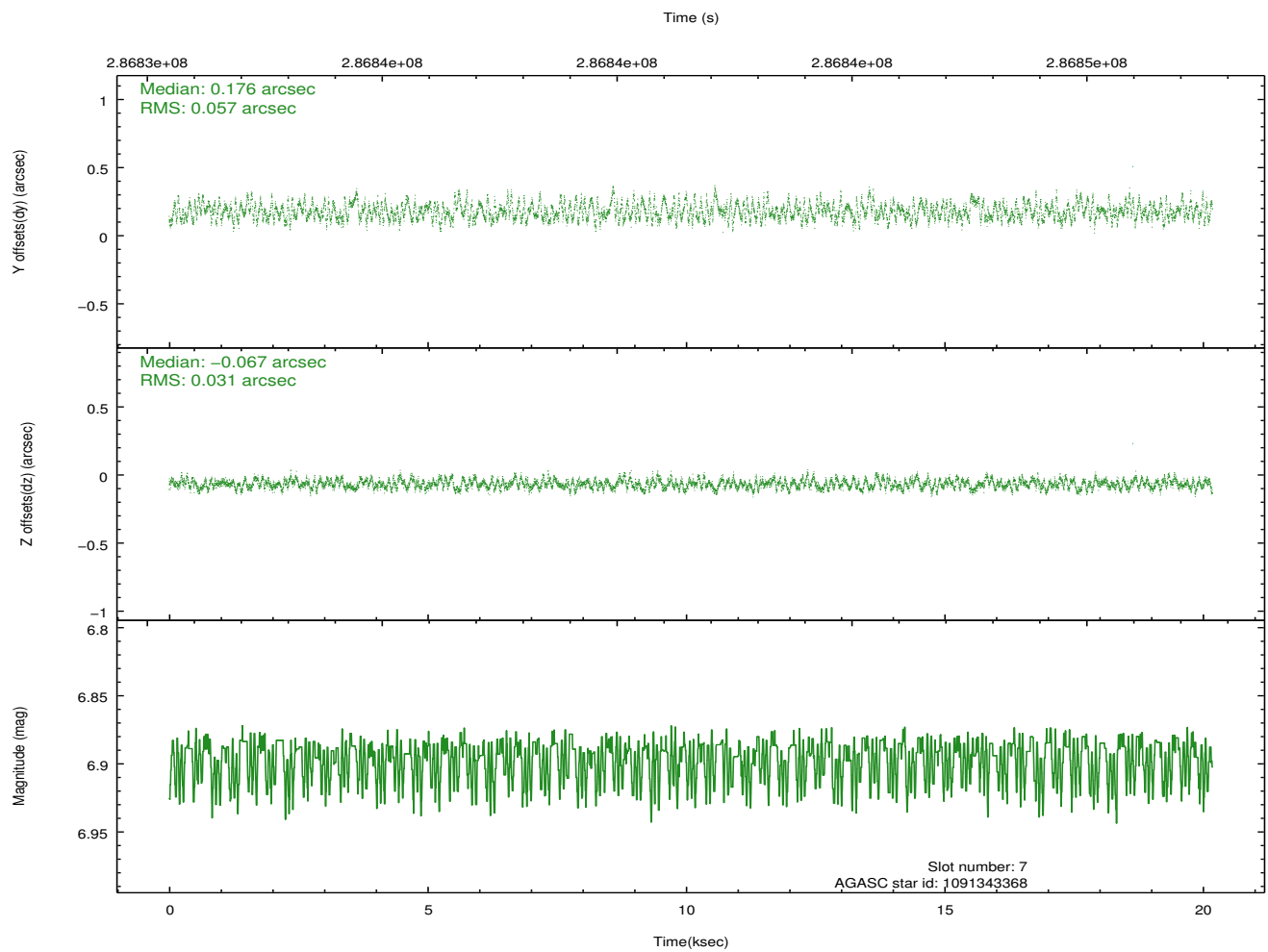
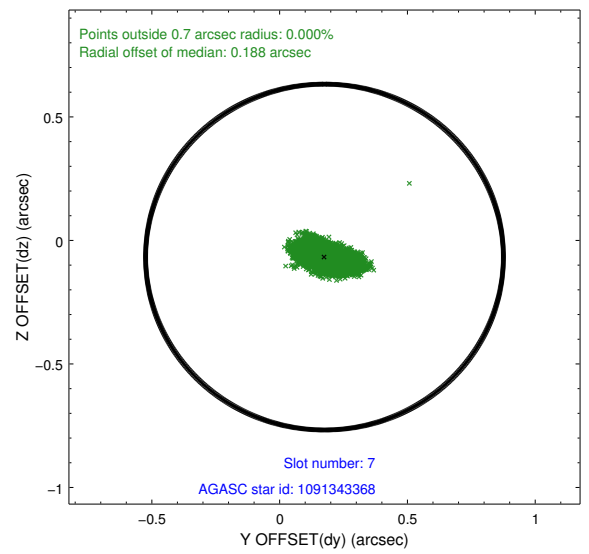
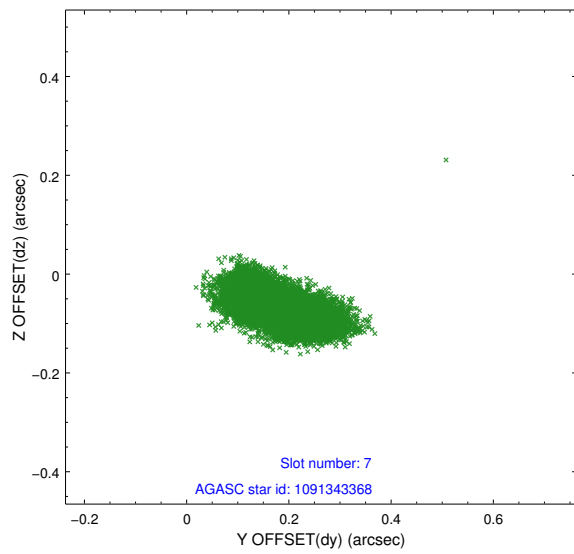
2.4.4 Slot 6



Time (s)

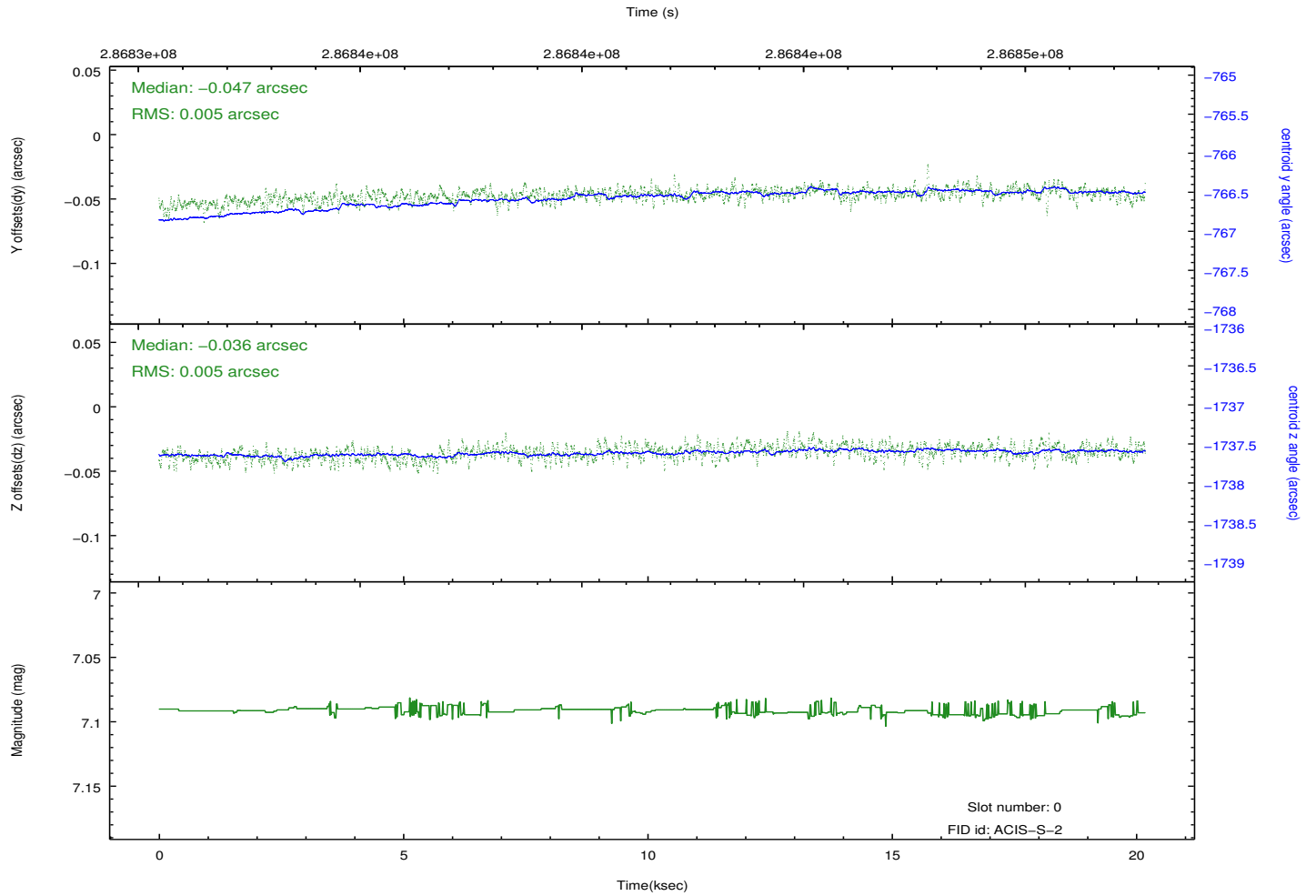
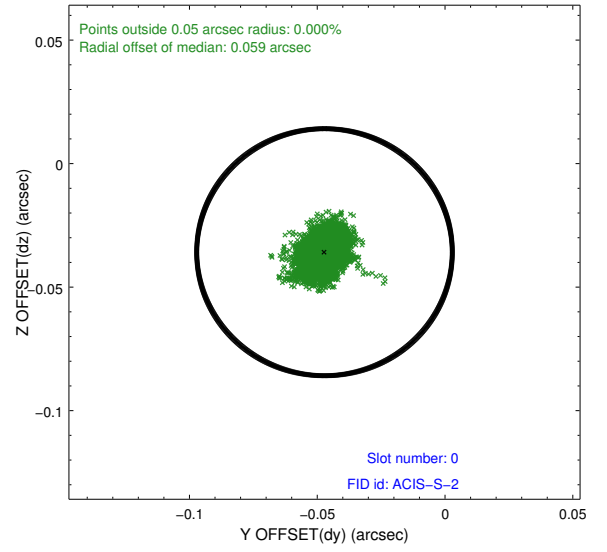
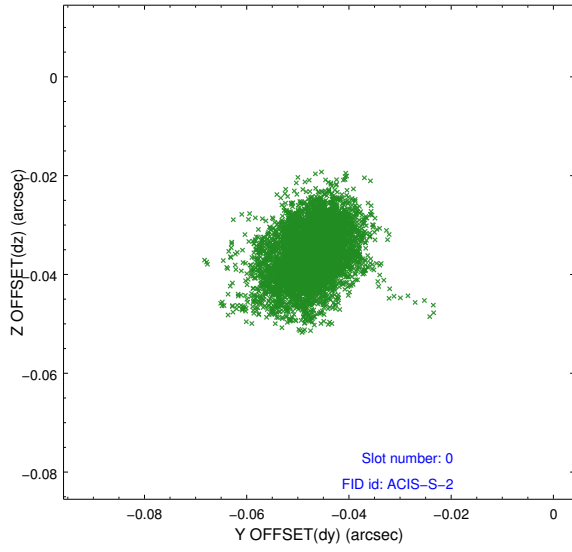


2.4.5 Slot 7

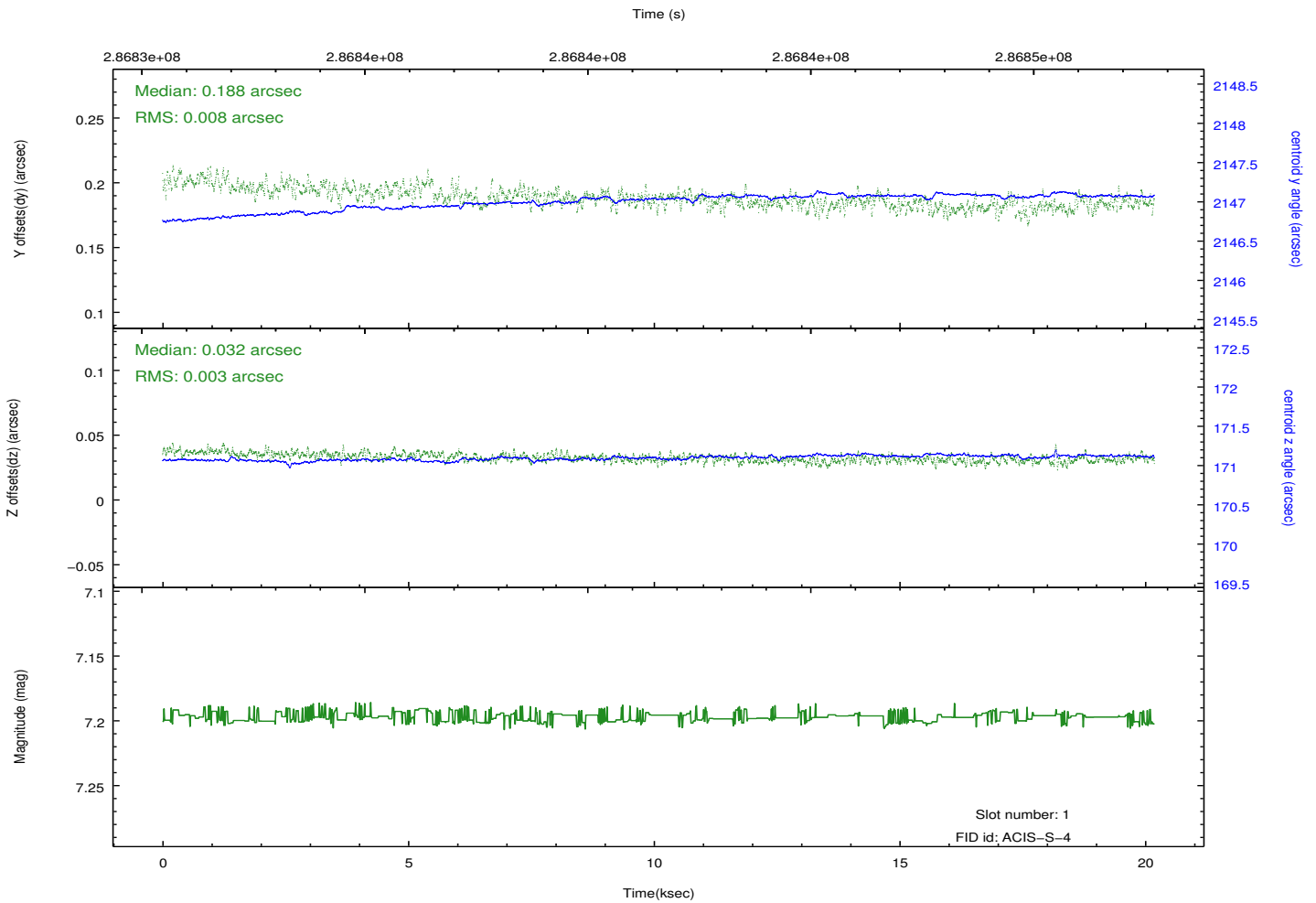
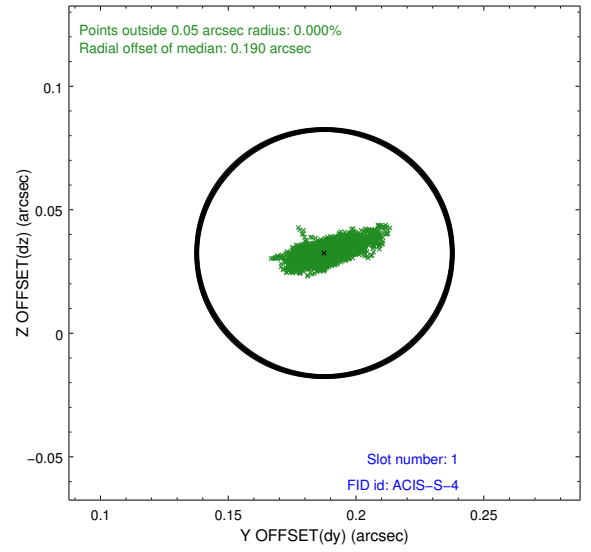
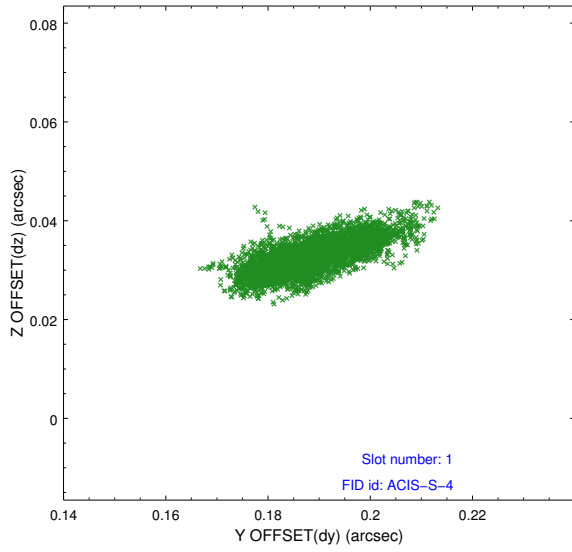


2.5 FID Slots

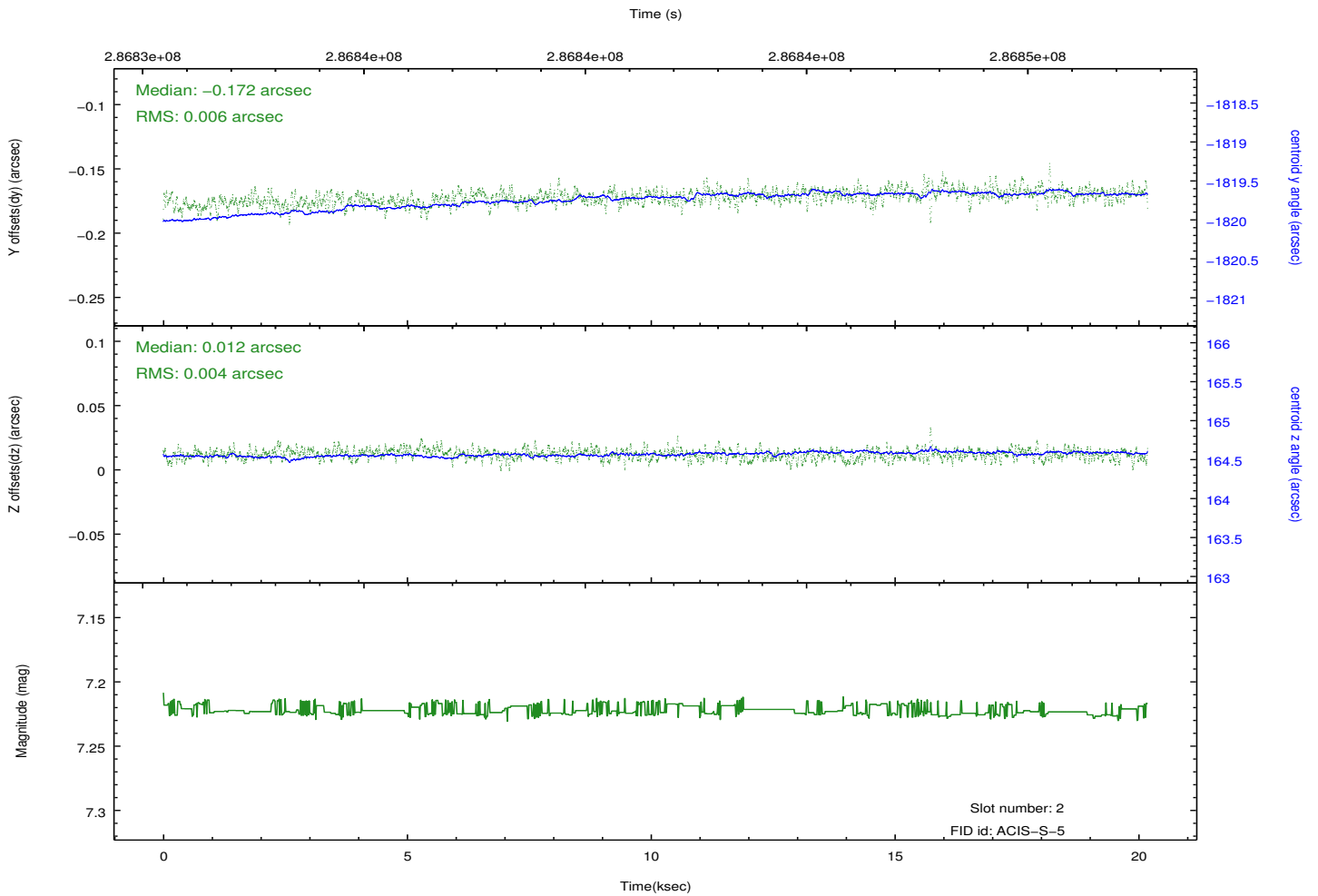
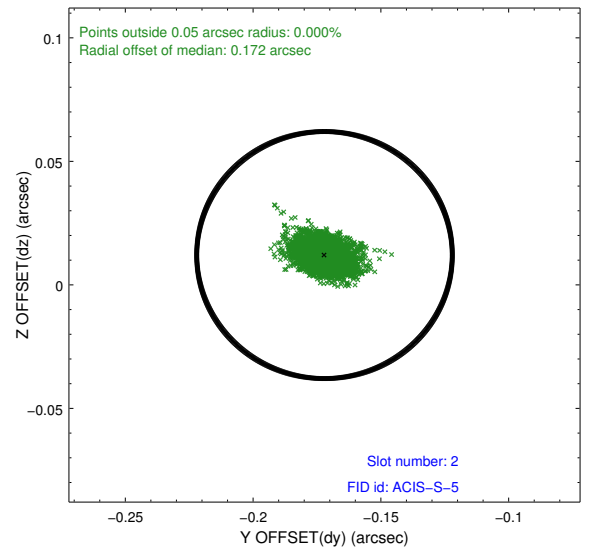
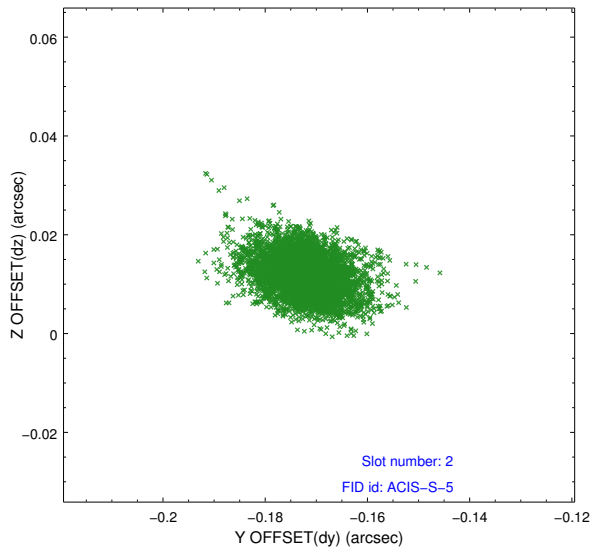
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.182

A.2 Comments