

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6709 - L2 Version 3
Chandra X-Ray Center

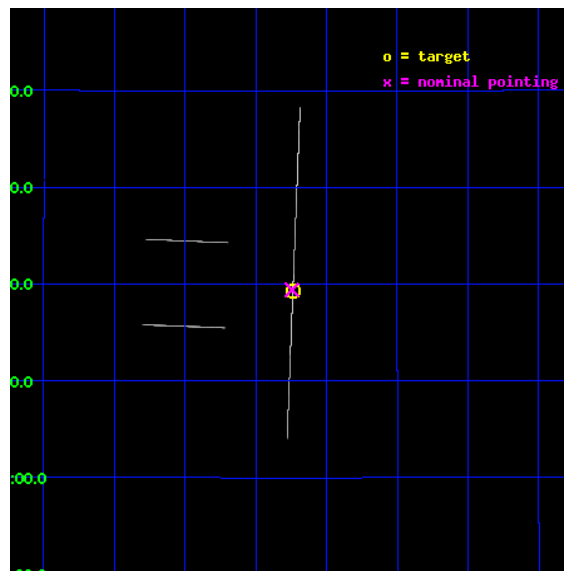
L2 Processing Date : Mar 29 2012

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1 Front

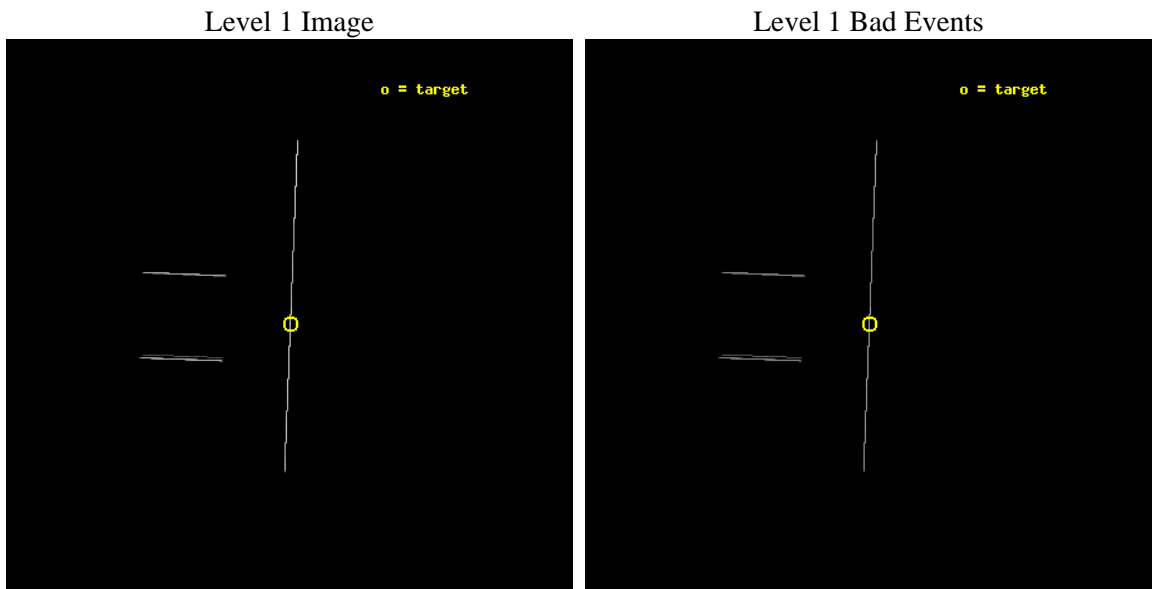
seq_num	500660	Sequence number
obs_id	6709	Observation id
title	ToO Observations of Soft Gamma Repeaters	Proposal title
observer	Dr. Peter Woods	Principal investigator
object	SGR 1900+14	Source name
ra_targ	286.8095	Observer's specified target RA [deg]
dec_targ	9.32225	Observer's specified target Dec [deg]
ra_nom	286.81114897733	Nominal RA [deg]
dec_nom	9.323567559386	Nominal Dec [deg]
roll_nom	92.234908278992	Nominal Roll [deg]
revision	3	Processing version of data
ontime	40142.25	Sum of GTIs [s]
livetime	39985.444335938	Livetime [s]
ontime2	40140.789942026	Sum of GTIs [s]
ontime3	40140.79166466	Sum of GTIs [s]
ontime5	40137.873449355	Sum of GTIs [s]
ontime6	40139.333055705	Sum of GTIs [s]
ontime7	40142.25	Sum of GTIs [s]
ontime8	40140.791392088	Sum of GTIs [s]
l2events	659377	Number of level 2 events



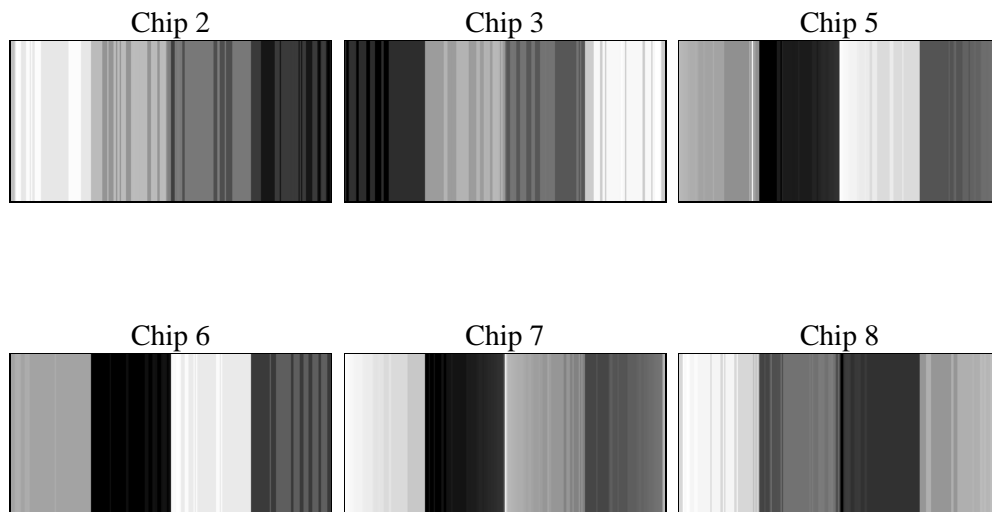
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	40142.25	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	40140.789942026	Sum of GTIs [s]
date	2012-03-29T00:36:03	Date and time of file creation	ontime3	40140.79166466	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	40137.873449355	Sum of GTIs [s]
			ontime6	40139.333055705	Sum of GTIs [s]
			ontime7	40142.25	Sum of GTIs [s]
			ontime8	40140.791392088	Sum of GTIs [s]
			l1events	952955	Number of level 1 events

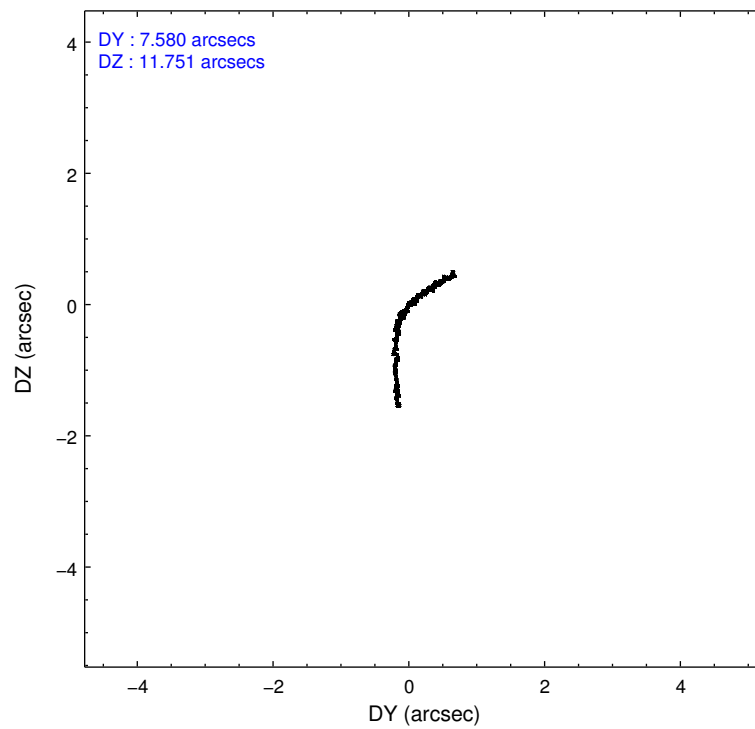
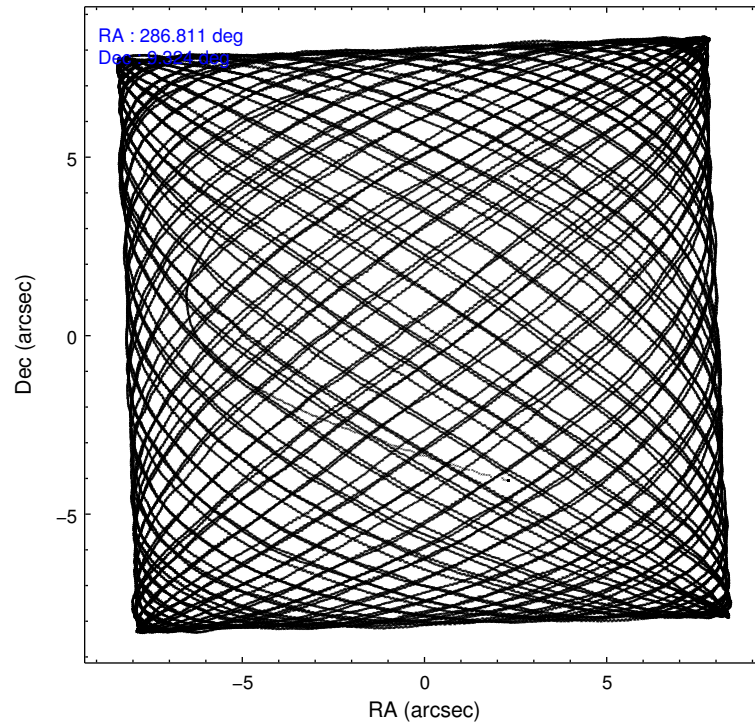
2.1.4 Events

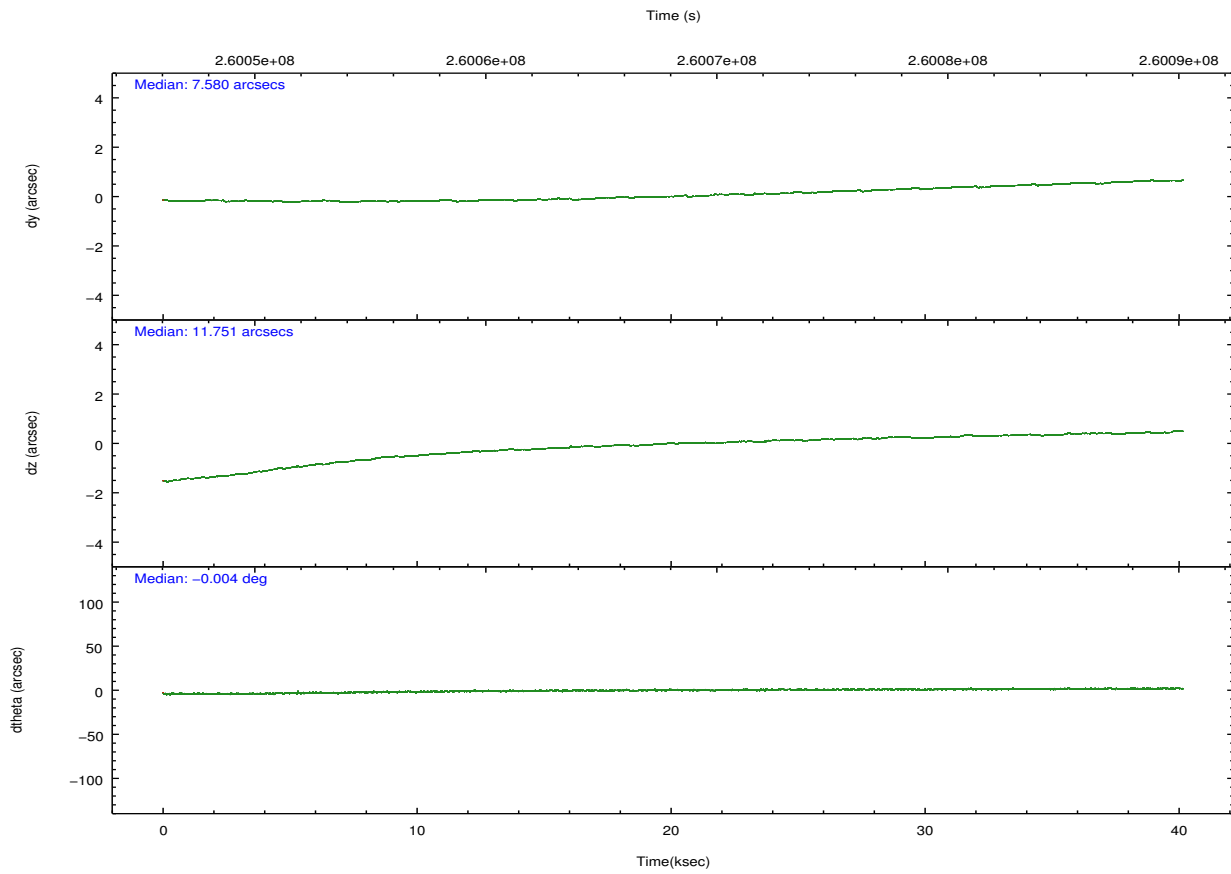
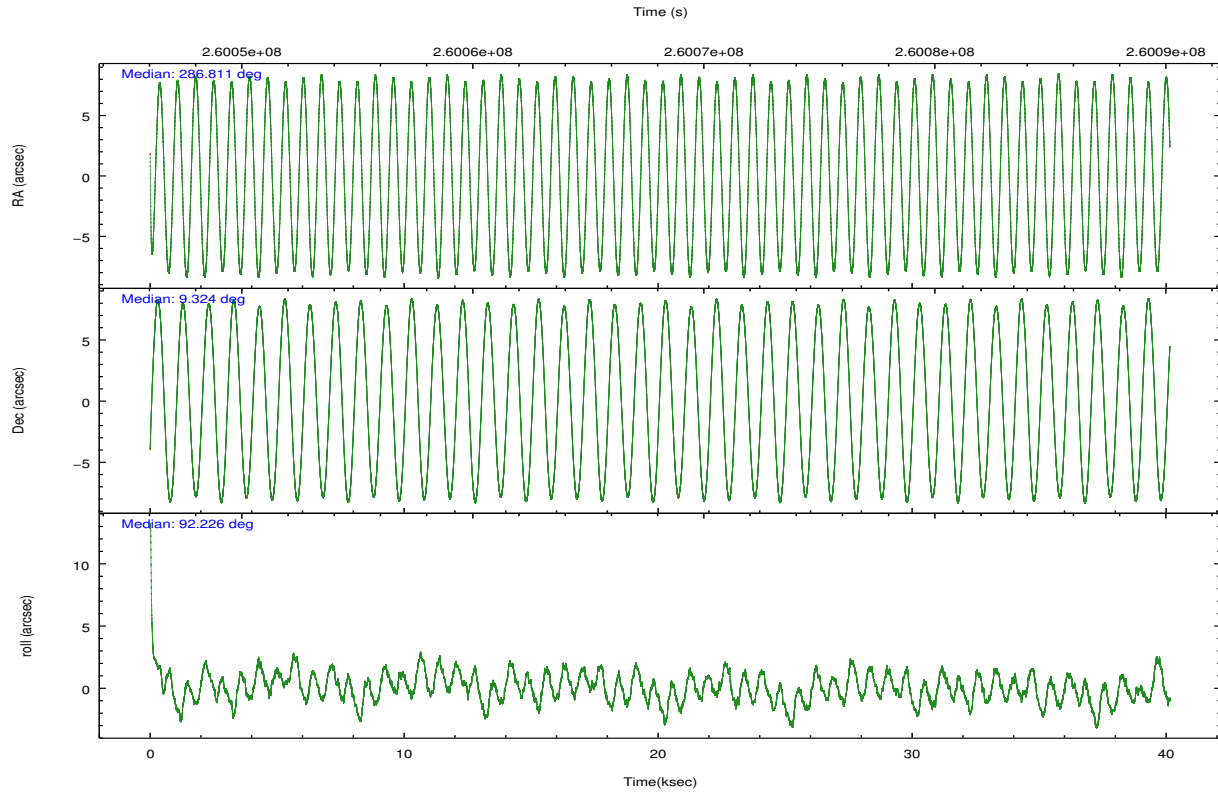
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	73645	80713	294340	80700	258558	164999	grade 0 events	8940	8938	17841	7958	19778	28397
rejected events	14665	16896	41585	17583	45827	26048		12%	11%	6%	9%	7%	17%
rejected %	19%	20%	14%	21%	17%	15%	grade 1 events	348	301	561	314	610	644
								0%	0%	0%	0%	0%	0%
							grade 2 events	22532	24542	83218	24461	55496	44133
								30%	30%	28%	30%	21%	26%
							grade 3 events	8078	9410	6785	8414	15246	16311
								10%	11%	2%	10%	5%	9%
							grade 4 events	8075	8244	6632	7960	15113	15564
								10%	10%	2%	9%	5%	9%
							grade 5 events	12996	15106	33428	15875	40700	22340
								17%	18%	11%	19%	15%	13%
							grade 6 events	12676	14172	145875	15718	111615	37610
								17%	17%	49%	19%	43%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	286.826184	286.8111489773337	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.300725	9.323567559385967	Alternating exposures requested	N	N
[deg] Pointing Roll	92.075842	92.23490827899163	[s] Primary exposure time	0.000000	0
[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)	260048182.184000	260047126.94322			
Observation start date	2006-03-29T19:35:17	2006-03-29T19:18:46			
[s] Observation end time (MET)	260088182.184000	260088762.95766			
Observation end date	2006-03-30T06:41:57	2006-03-30T06:52:42			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



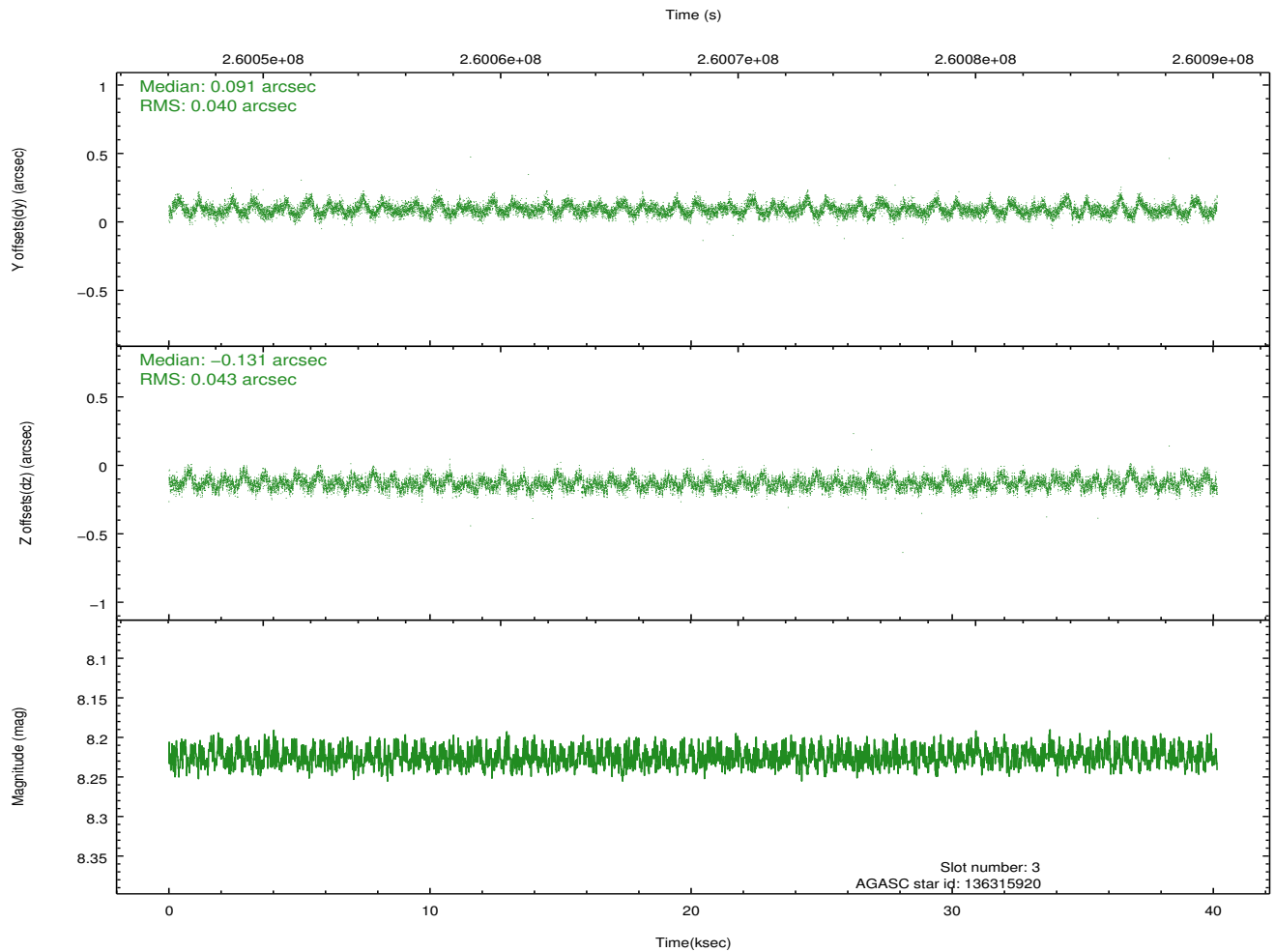
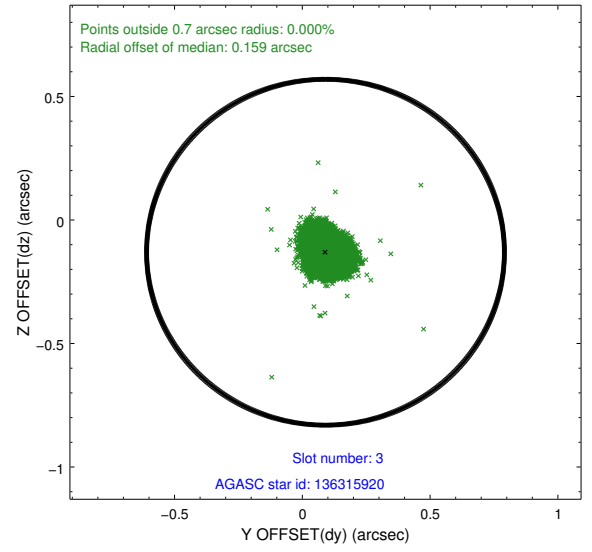
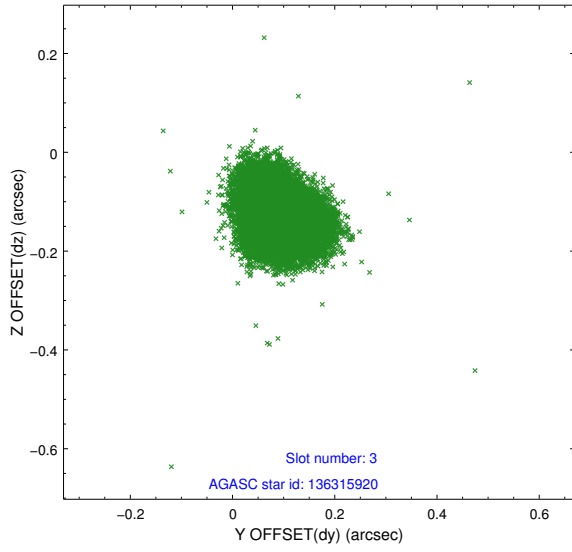


Slot Statistics

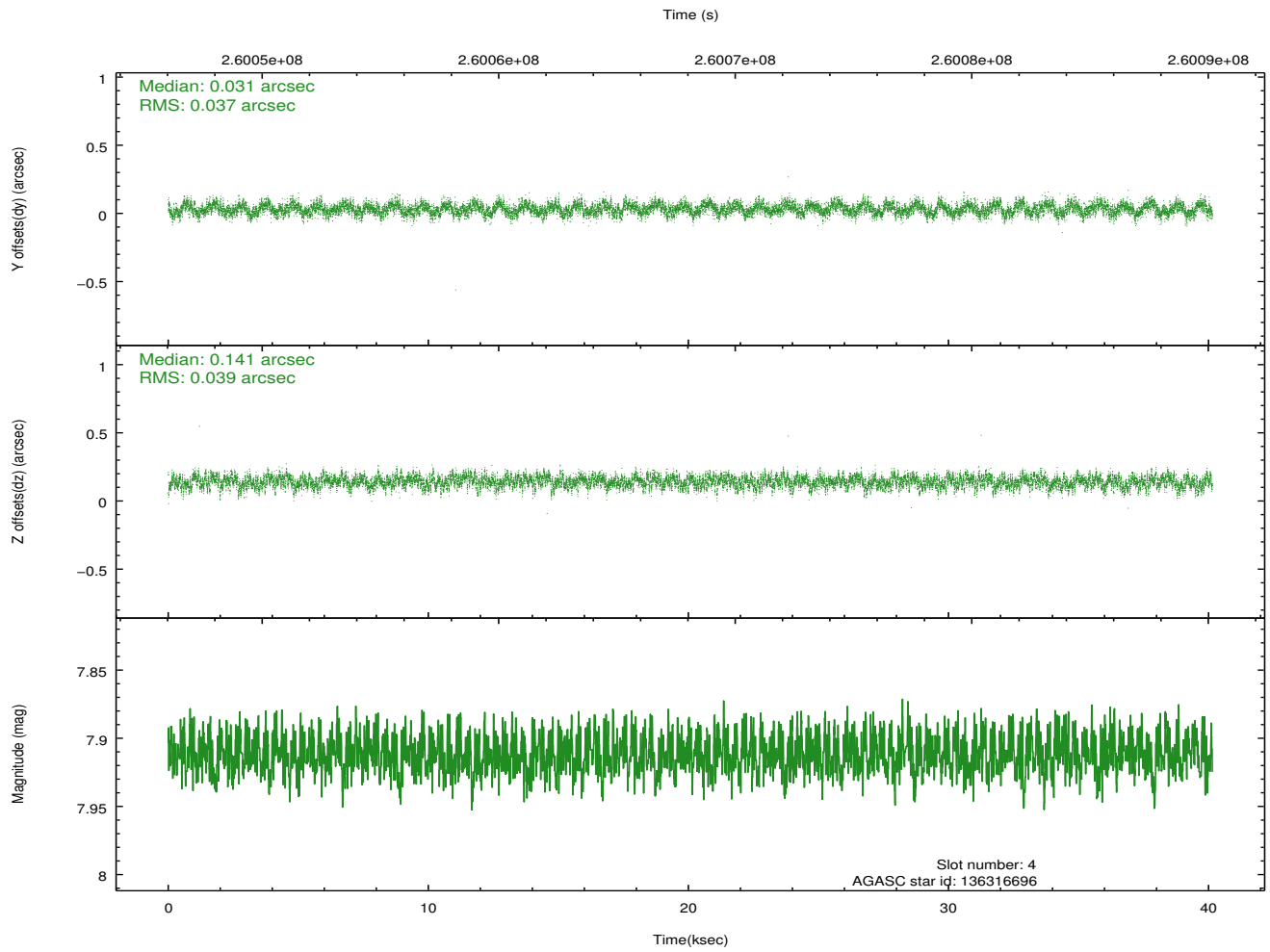
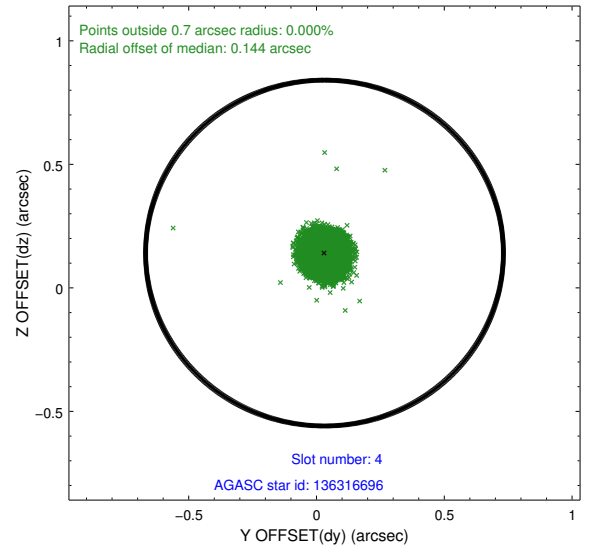
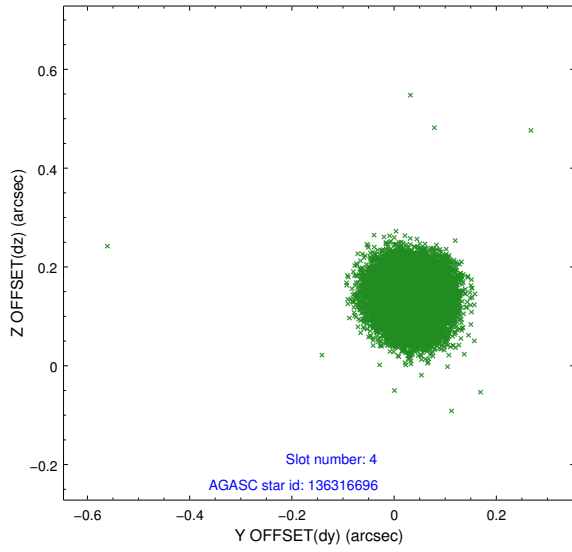
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9790	-0.026	-0.023	0.017	0.027	0.000000	0.000000	-760.46	-1732.89
1	FID	ACIS-S-4	7.20	9789	0.098	0.019	0.011	0.018	0.000000	0.000000	2152.92	175.64
2	FID	ACIS-S-5	7.23	9791	-0.097	0.013	0.021	0.036	0.000000	0.000000	-1813.37	169.29
3	GUIDE	136315920	8.22	19580	0.091	-0.131	0.062	0.100	286.430663	9.097145	-680.70	1431.45
4	GUIDE	136316696	7.91	19577	0.031	0.141	0.057	0.090	287.190166	9.367792	195.57	-1300.18
5	GUIDE	136323720	8.85	19577	0.294	-0.157	0.079	0.126	286.331708	8.774626	-1827.89	1826.51
6	GUIDE	136845920	7.21	19577	-0.137	-0.212	0.060	0.093	286.285607	9.642131	1298.89	1872.97
7	GUIDE	136850720	9.12	19562	-0.288	0.357	0.077	0.125	287.164458	9.793870	1731.39	-1262.81

2.4 Star Slots

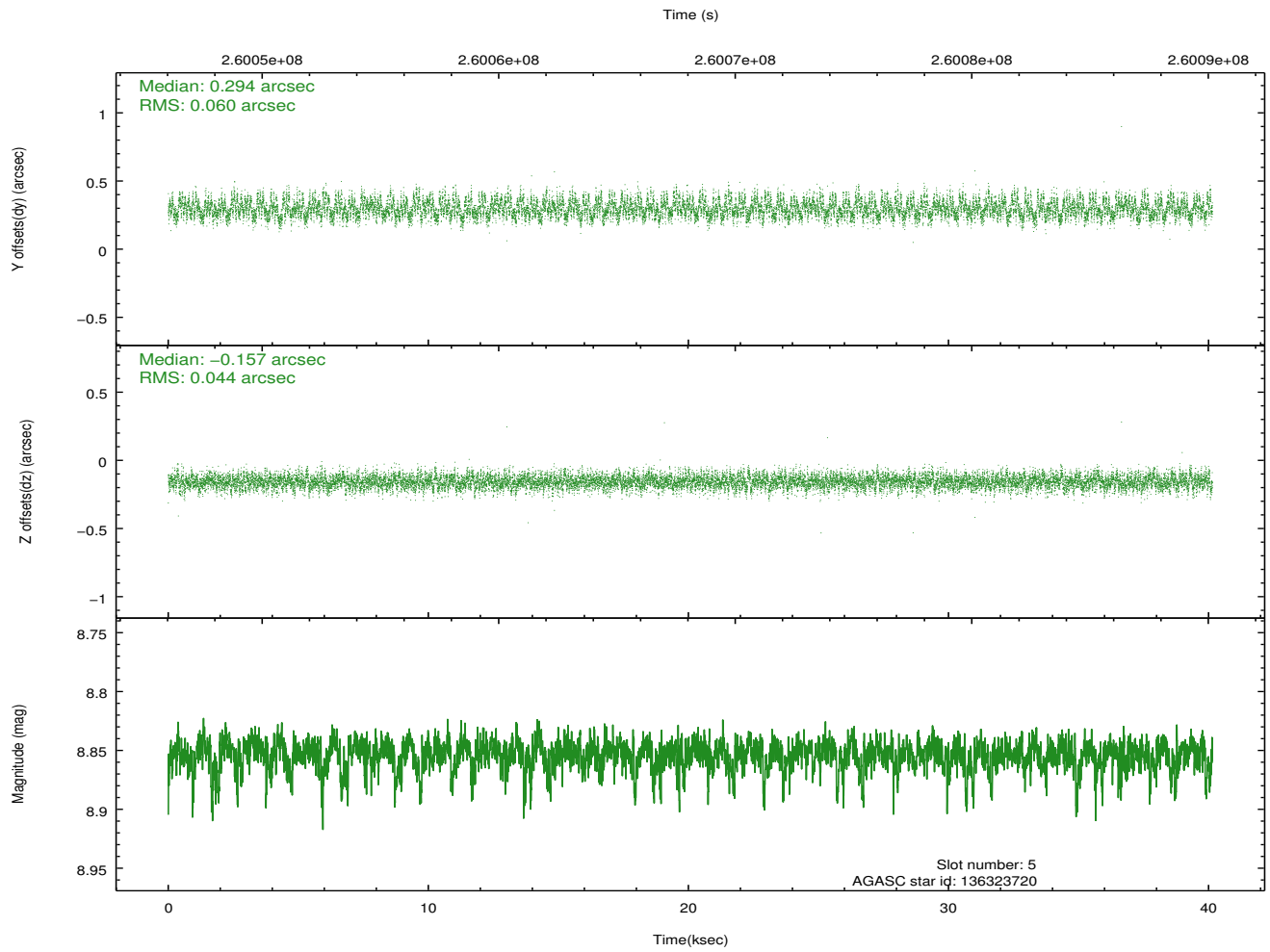
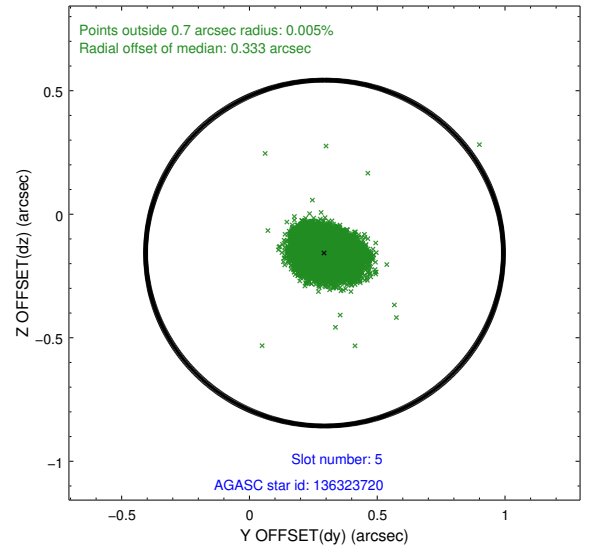
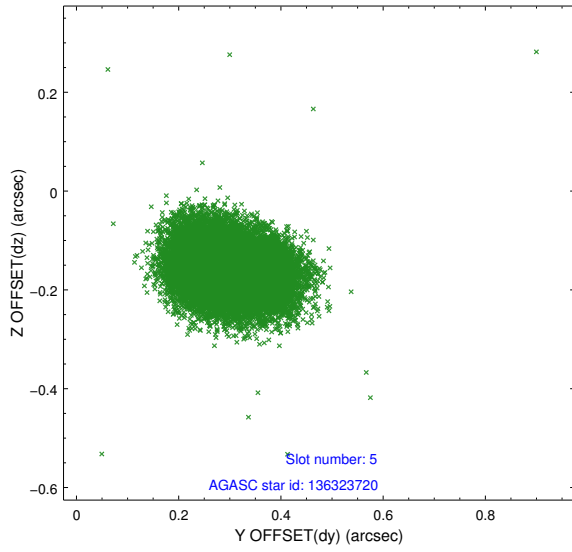
2.4.1 Slot 3



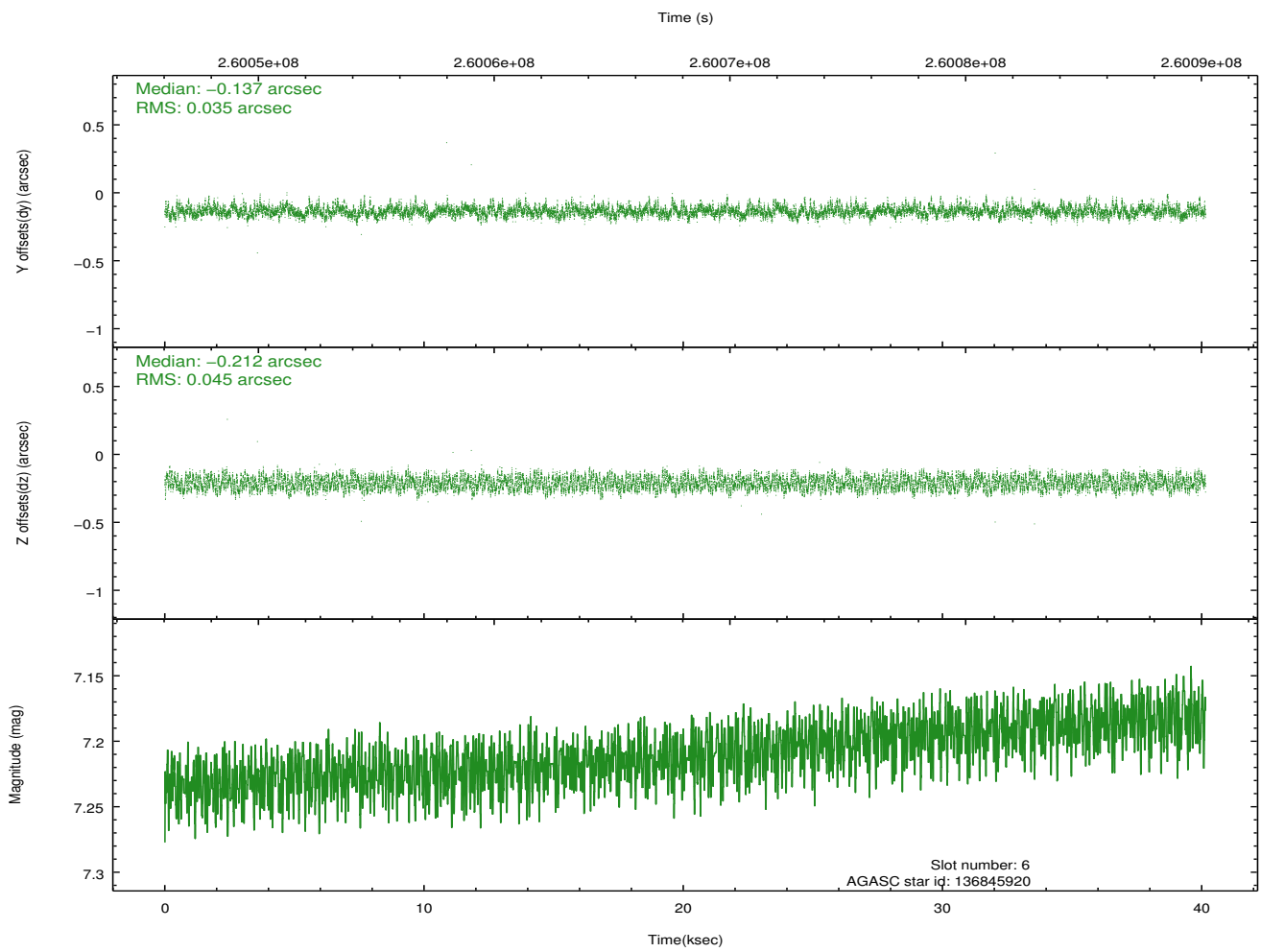
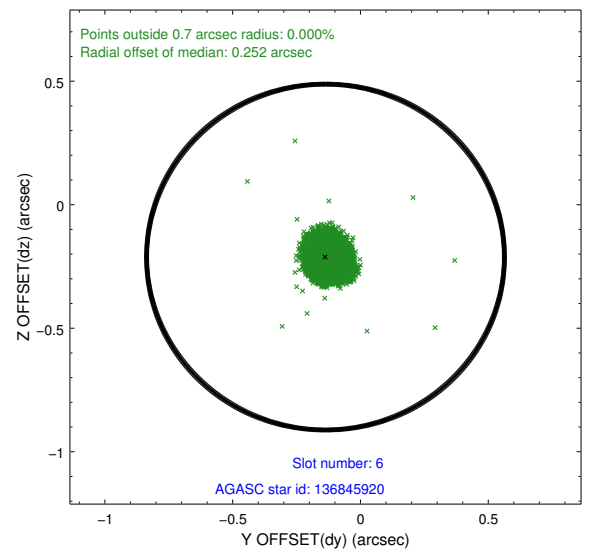
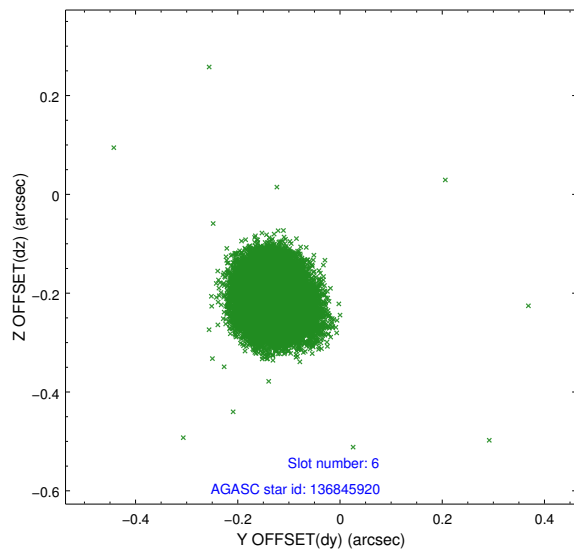
2.4.2 Slot 4



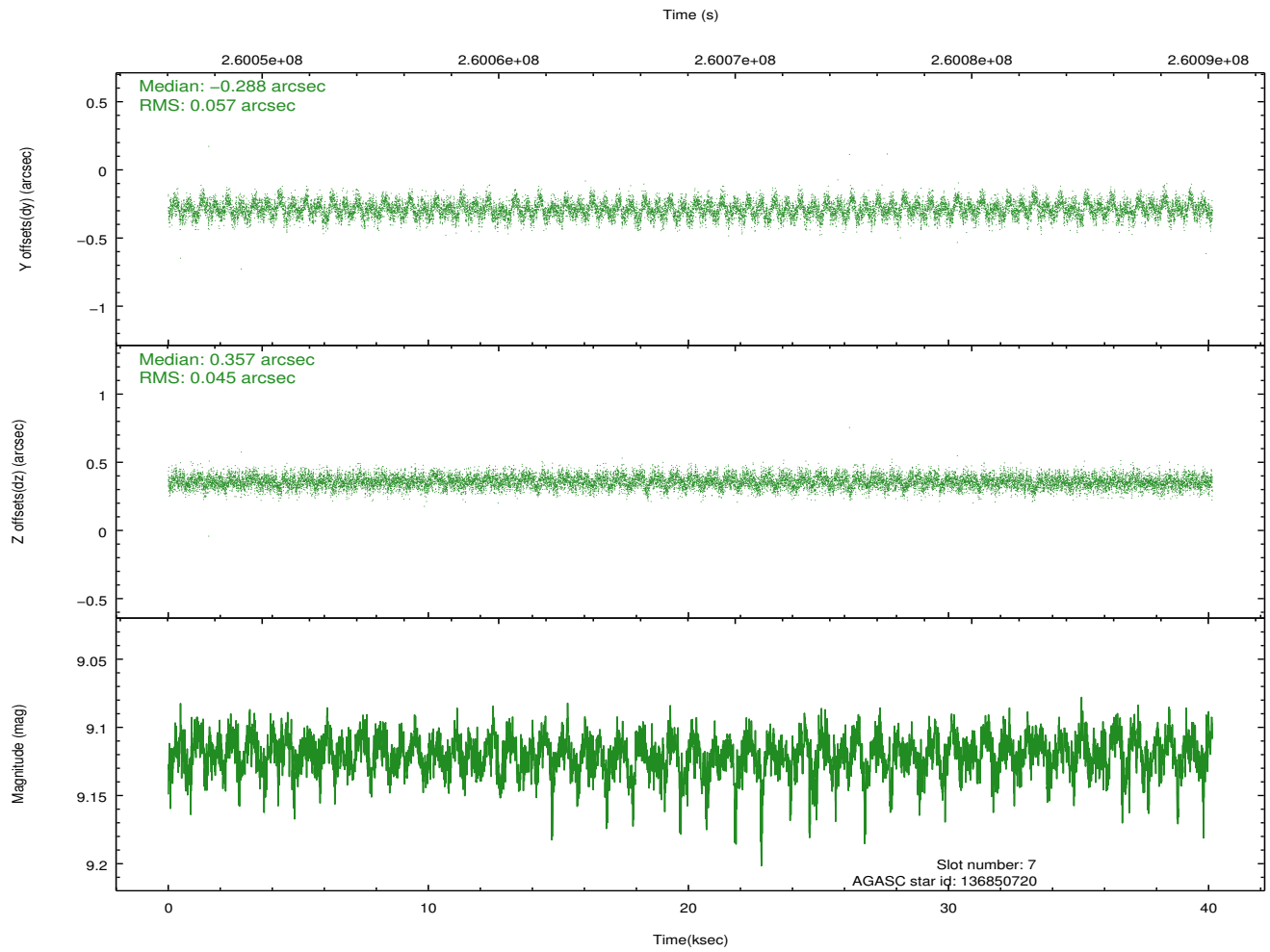
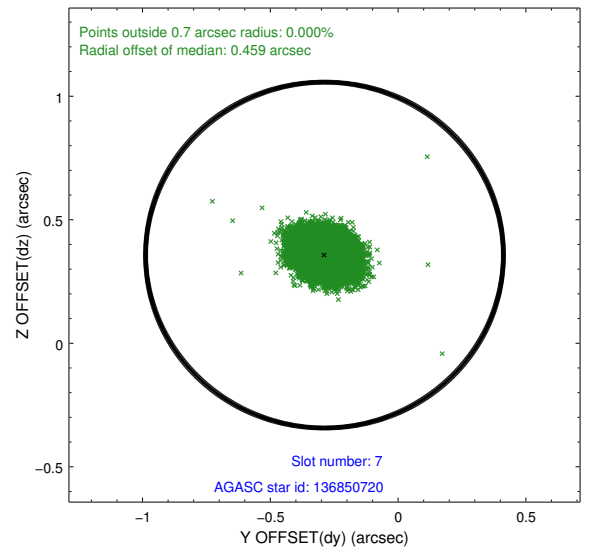
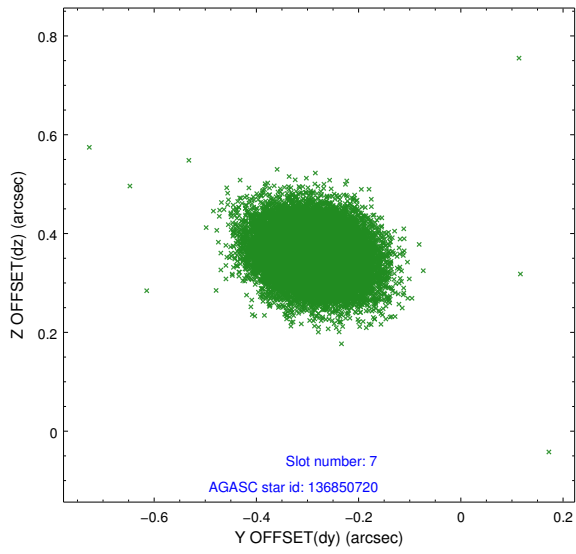
2.4.3 Slot 5



2.4.4 Slot 6

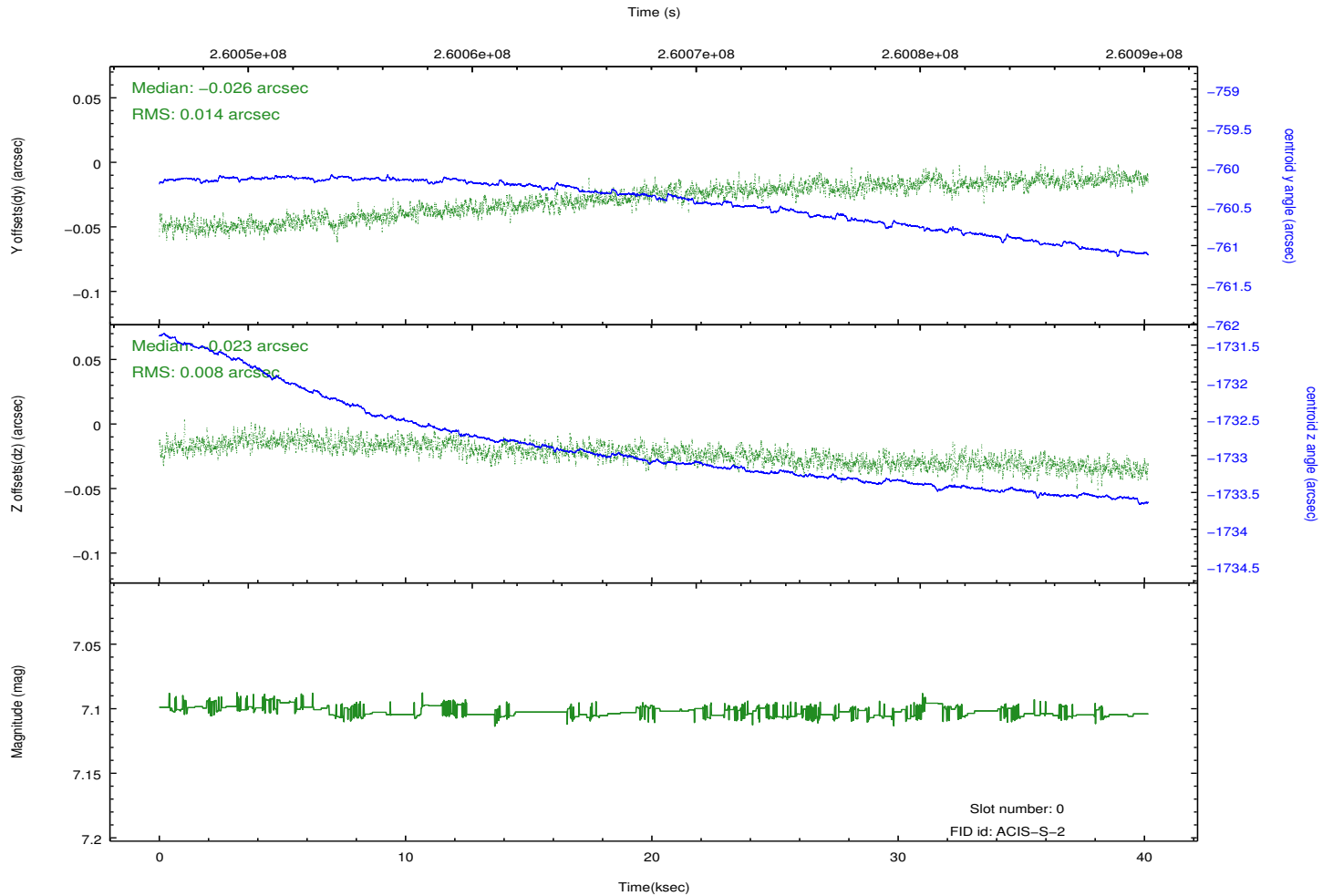
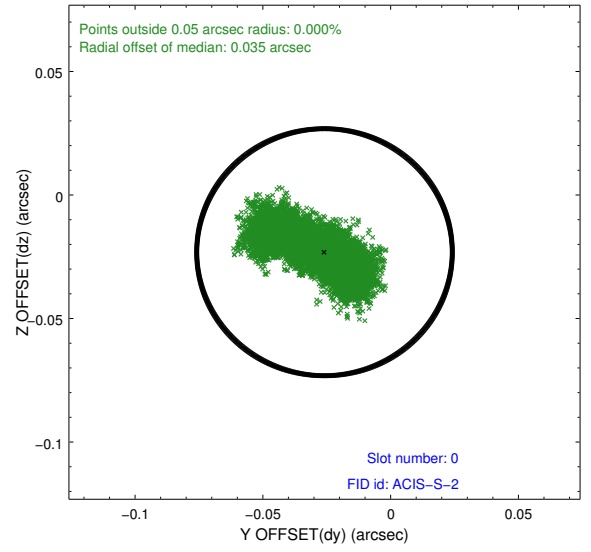
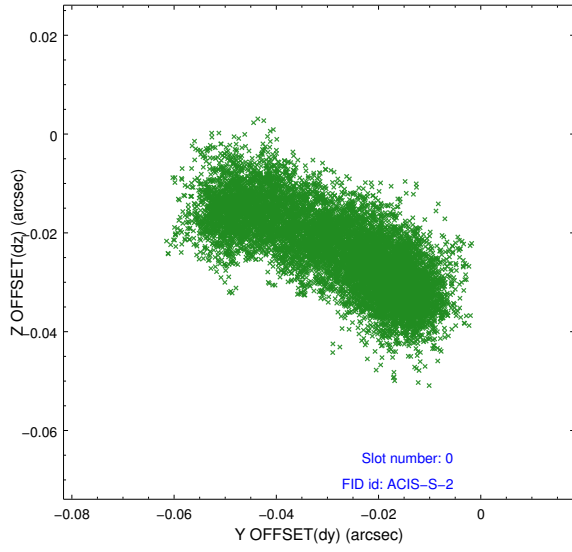


2.4.5 Slot 7

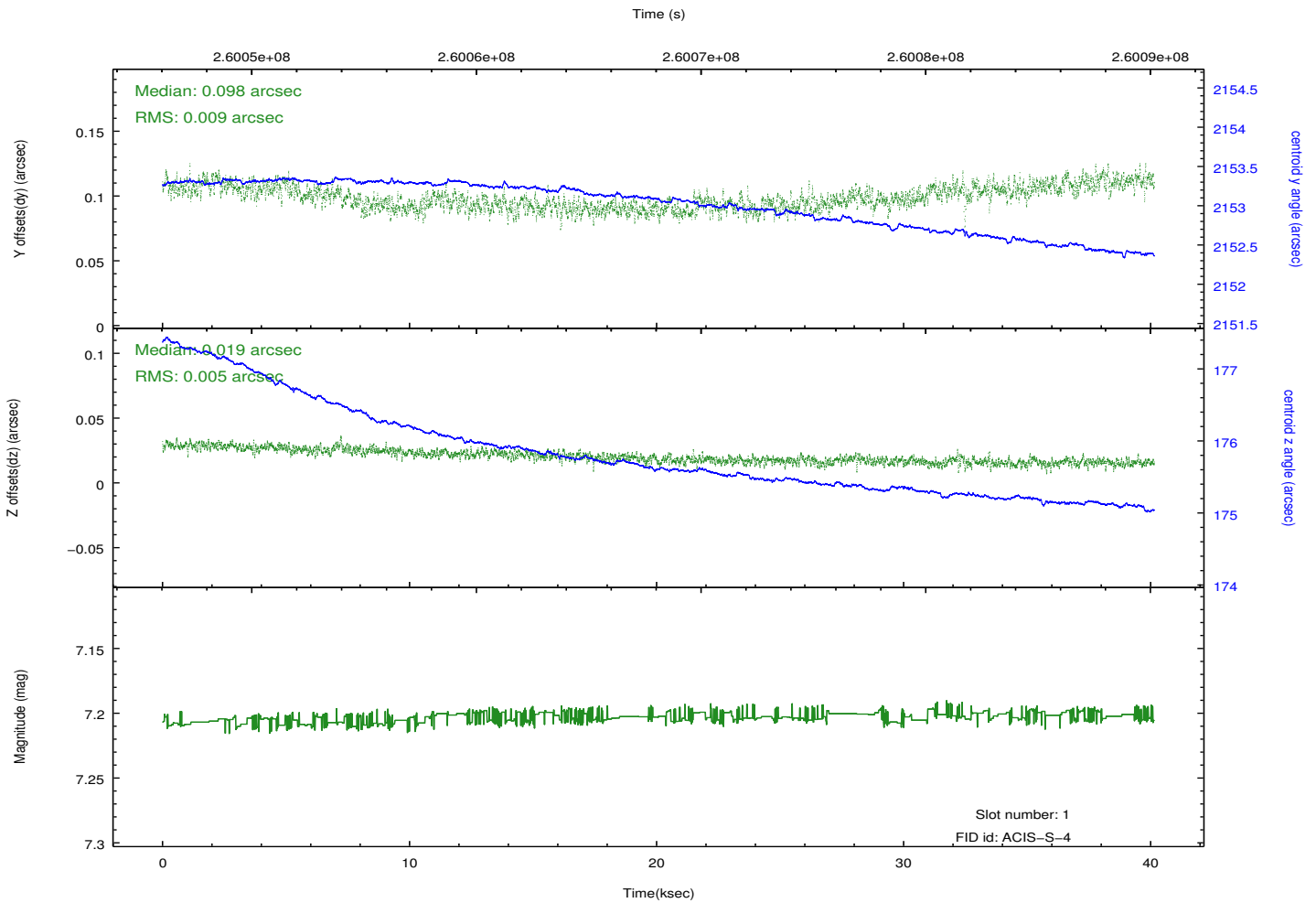
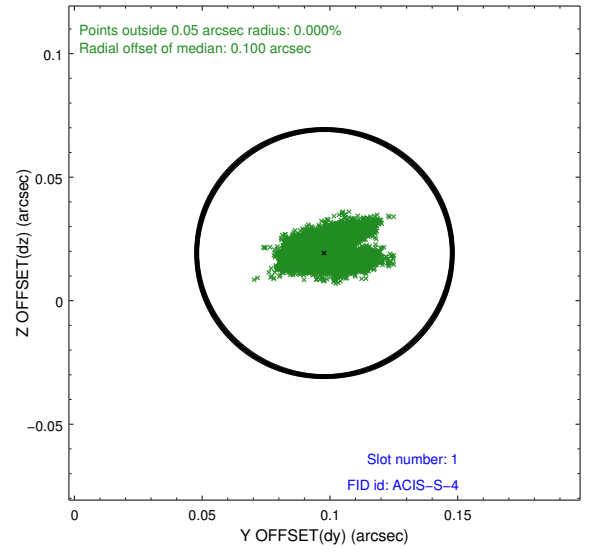
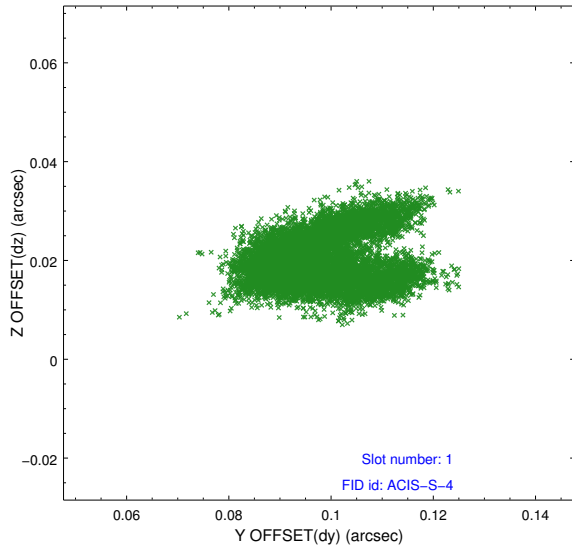


2.5 FID Slots

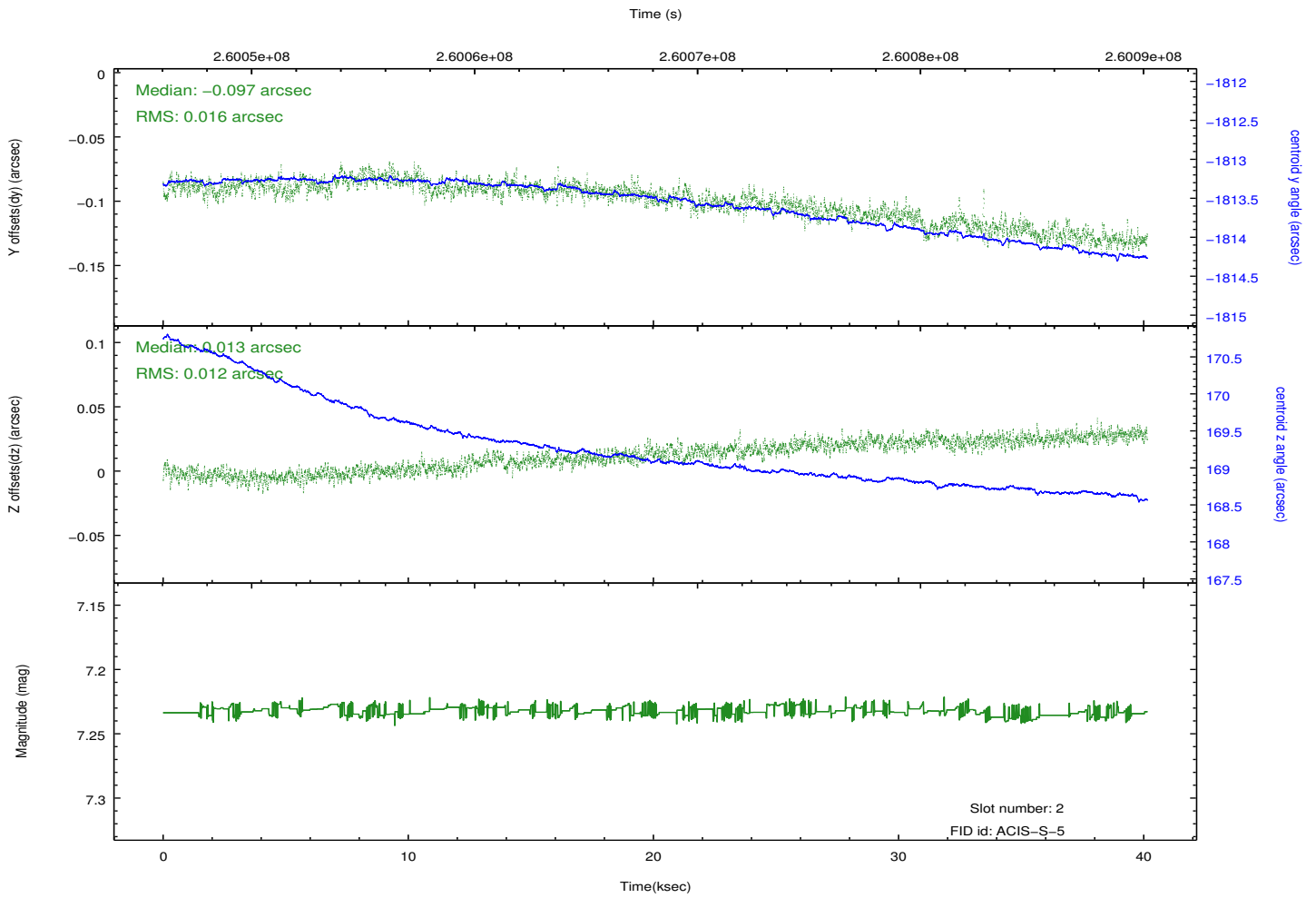
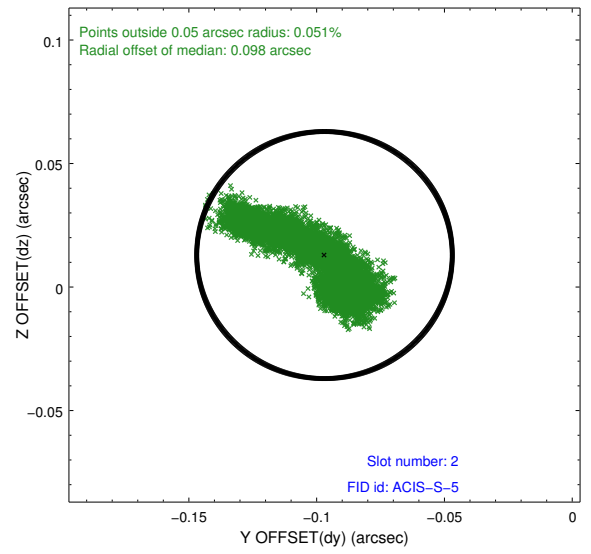
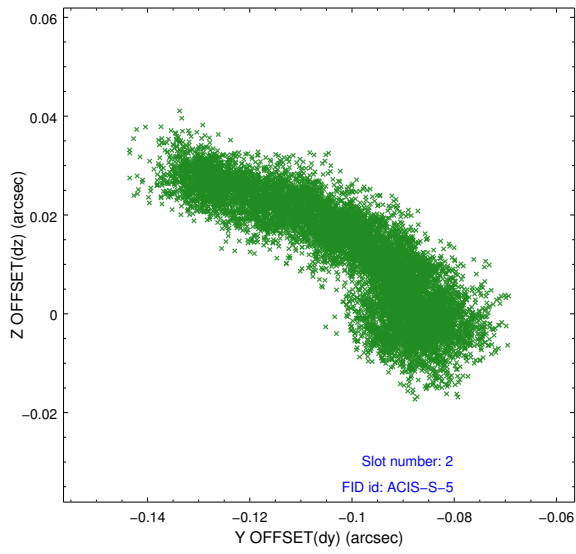
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.14225

A.2 Comments