

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 922 - L2 Version 4
Chandra X-Ray Center

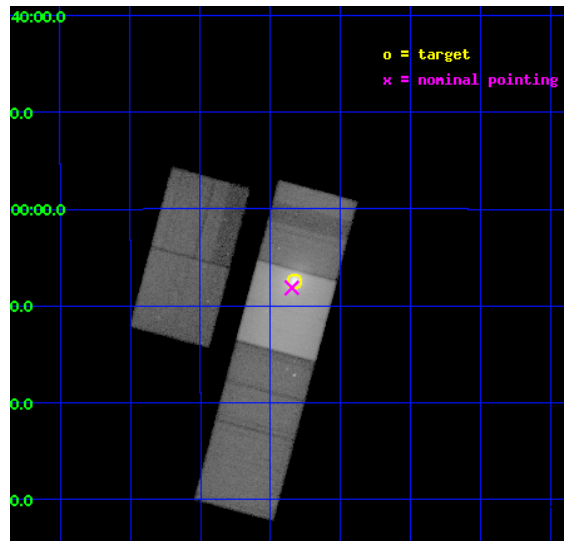
L2 Processing Date : Aug 30 2012

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1 Front

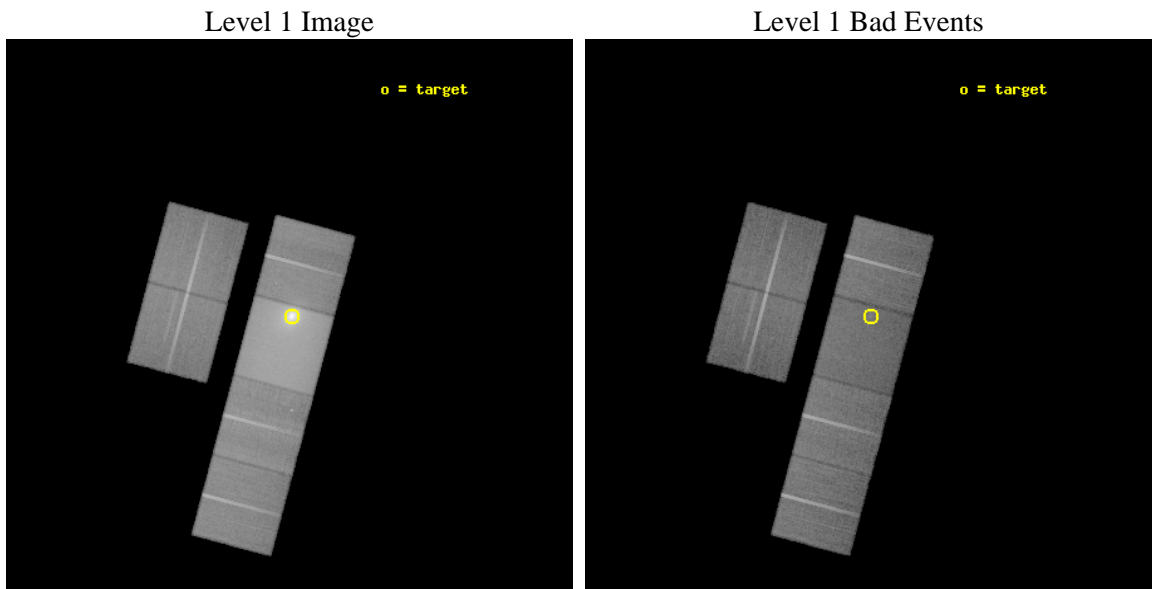
seq_num	800098	Sequence number
obs_id	922	Observation id
title	ACIS IMAGING OF CLUSTER COOLING FLOWS WITH THE LARGEST STAR FORMATION RATES	Proposal title
observer	Prof. Brian McNamara	Principal investigator
object	A2597	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	351.331667	Observer's specified target RA [deg]
dec_targ	-12.124278	Observer's specified target Dec [deg]
ra_nom	351.33666527852	Nominal RA [deg]
dec_nom	-12.135797737107	Nominal Dec [deg]
roll_nom	104.94987069338	Nominal Roll [deg]
revision	4	Processing version of data
ontime	39852.065870374	Sum of GTIs [s]
livetime	39347.435016291	Livetime [s]
ontime2	39745.114790365	Sum of GTIs [s]
ontime3	39780.765761927	Sum of GTIs [s]
ontime6	39777.52494131	Sum of GTIs [s]
ontime7	39852.065870374	Sum of GTIs [s]
ontime8	39839.102996409	Sum of GTIs [s]
ontime9	39761.319731265	Sum of GTIs [s]
l2events	1110139	Number of level 2 events



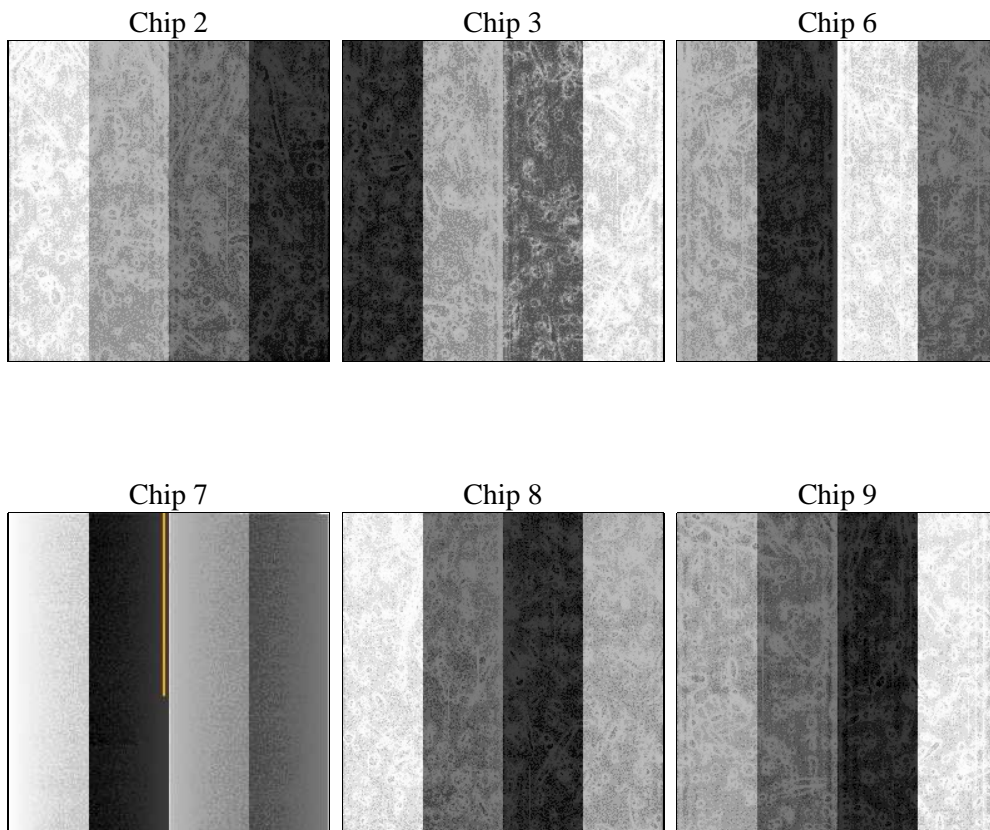
2 OBI

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	8.4.5	Processing system revision	ontime	39852.065870374	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	39745.114790365	Sum of GTIs [s]
date	2012-08-30T22:21:59	Date and time of file creation	ontime3	39780.765761927	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	39777.52494131	Sum of GTIs [s]
			ontime7	39852.065870374	Sum of GTIs [s]
			ontime8	39839.102996409	Sum of GTIs [s]
			ontime9	39761.319731265	Sum of GTIs [s]
			l1events	2438766	Number of level 1 events

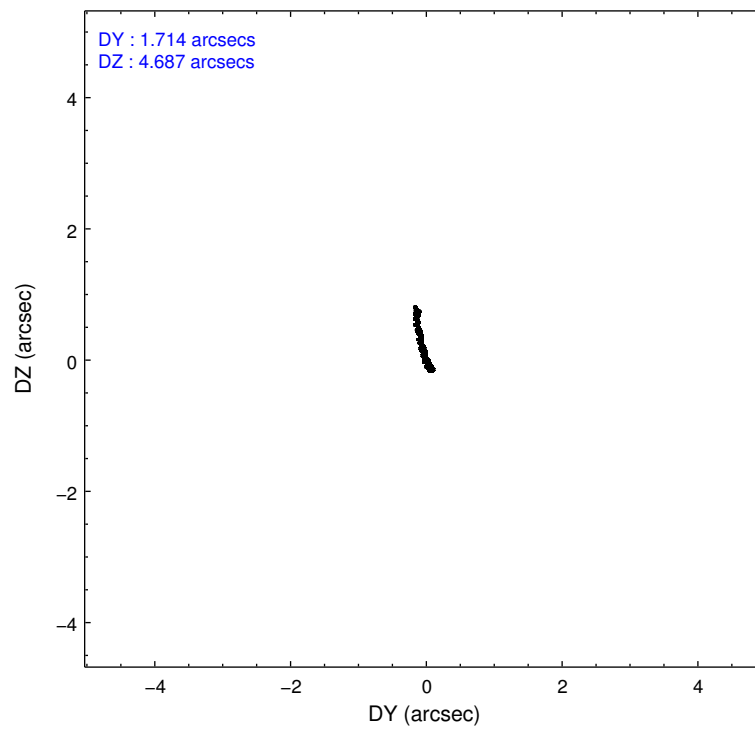
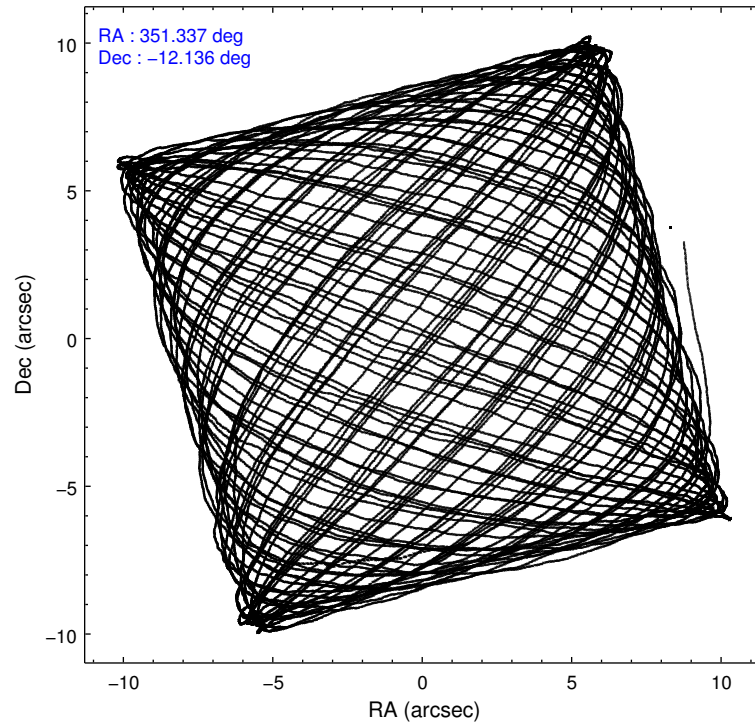
2.1.4 Events

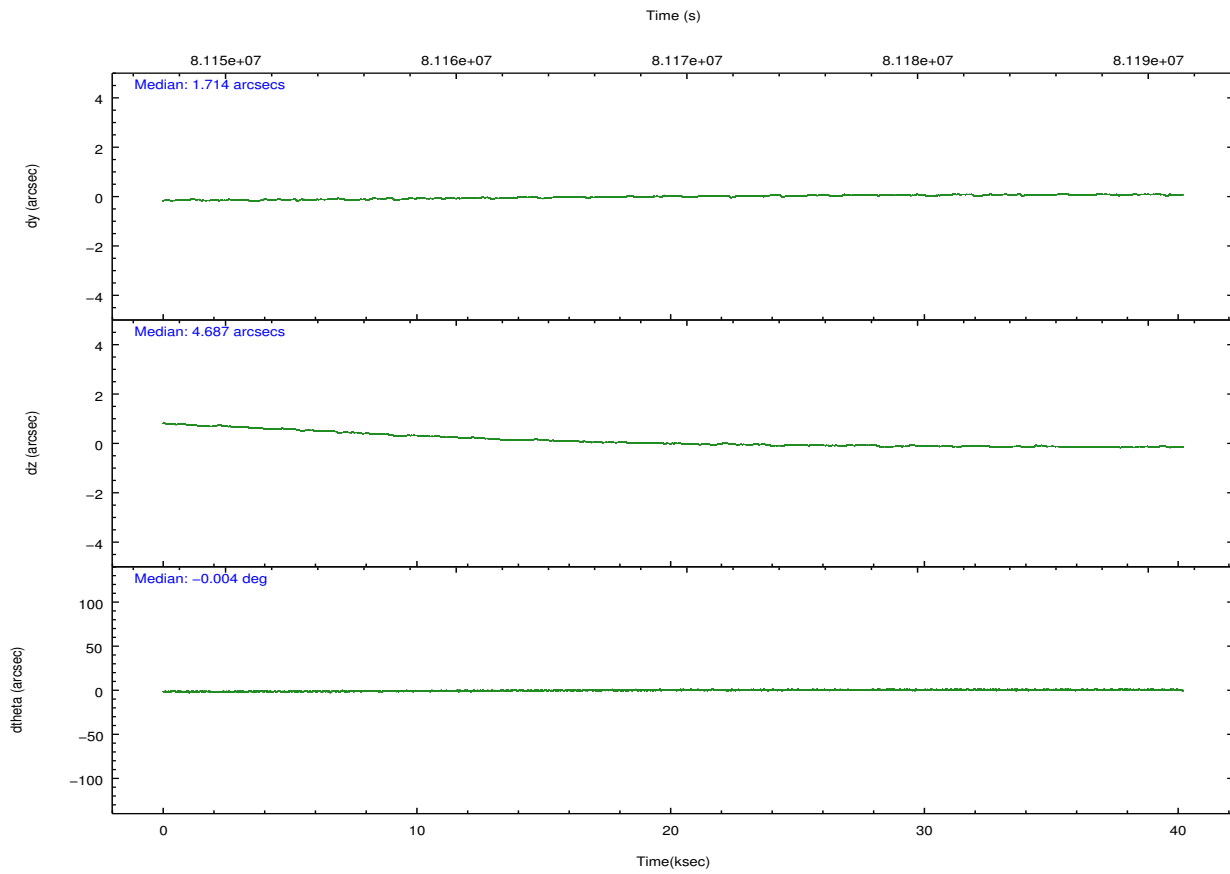
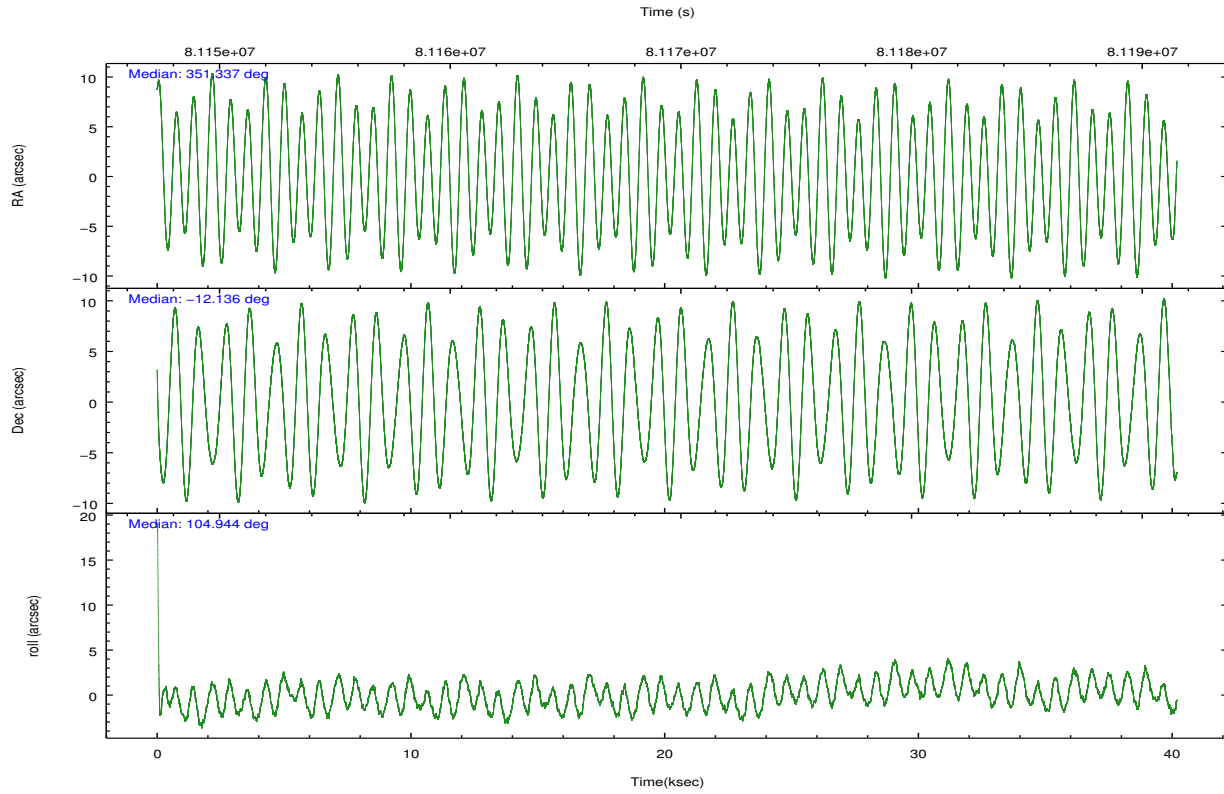
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9		ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	272729	272956	331067	872365	378509	311140	grade 0 events	38703	41987	78827	116985	77344	58778
rejected events	205990	201526	215095	175351	233865	216433		14%	15%	23%	13%	20%	18%
rejected %	75%	73%	64%	20%	61%	69%	grade 1 events	182	217	366	457	354	277
								0%	0%	0%	0%	0%	0%
							grade 2 events	14747	16719	21068	141175	28627	21241
								5%	6%	6%	16%	7%	6%
							grade 3 events	2869	3131	4014	62331	9509	3472
								1%	1%	1%	7%	2%	1%
							grade 4 events	3131	3114	4077	61030	8886	3510
								1%	1%	1%	6%	2%	1%
							grade 5 events	7132	8289	9245	30448	11758	9665
								2%	3%	2%	3%	3%	3%
							grade 6 events	7291	6485	7993	315533	20296	7708
								2%	2%	2%	36%	5%	2%
							grade 7 events	198674	193014	205477	144406	221735	206489
								72%	70%	62%	16%	58%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-236789	ACIS-236789	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	351.356568	351.3366652785165	Subarray requested	NONE	NONE
[deg] Pointing Dec	-12.155086	-12.1357977371072	Alternating exposures requested	N	N
[deg] Pointing Roll	104.797422	104.9498706933758	[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)	81149493.184000	81148427.639254			
Observation start date	2000-07-28T05:30:29	2000-07-28T05:13:47			
[s] Observation end time (MET)	81189493.184000	81190338.865812			
Observation end date	2000-07-28T16:37:09	2000-07-28T16:52:18			
Read mode	TIMED	TIMED			

2.3 Aspect



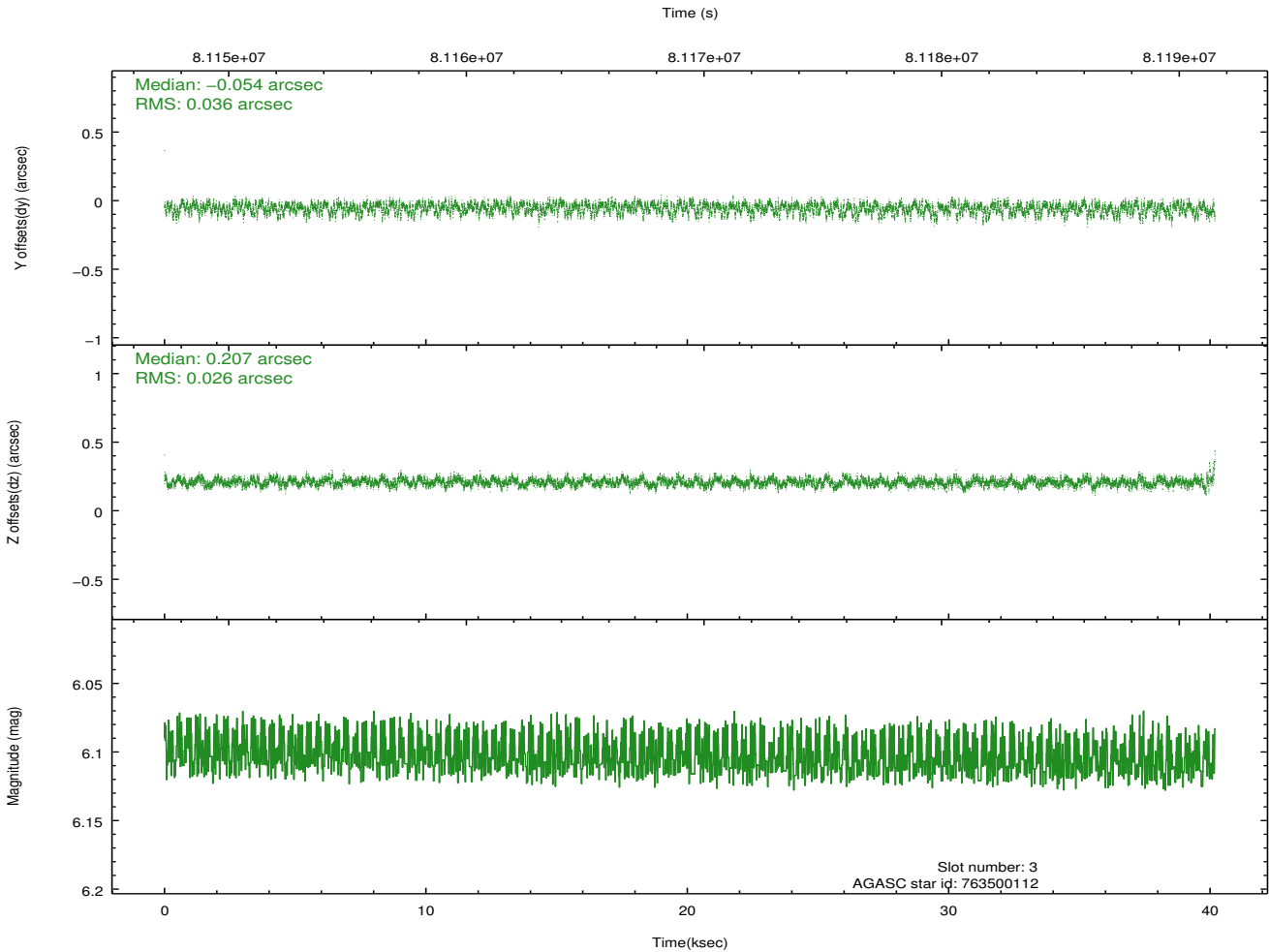
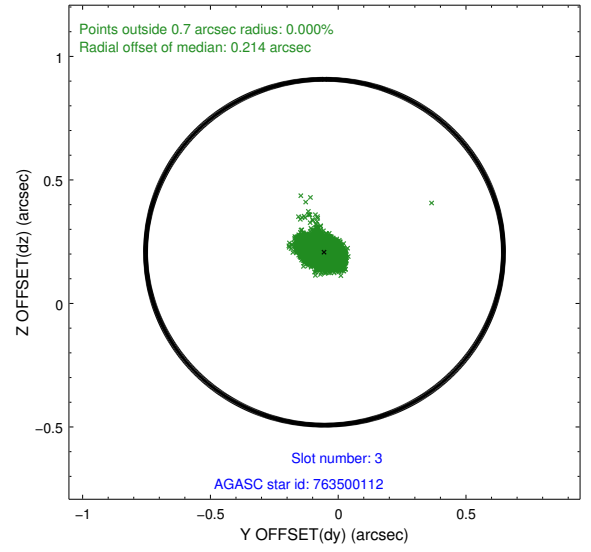
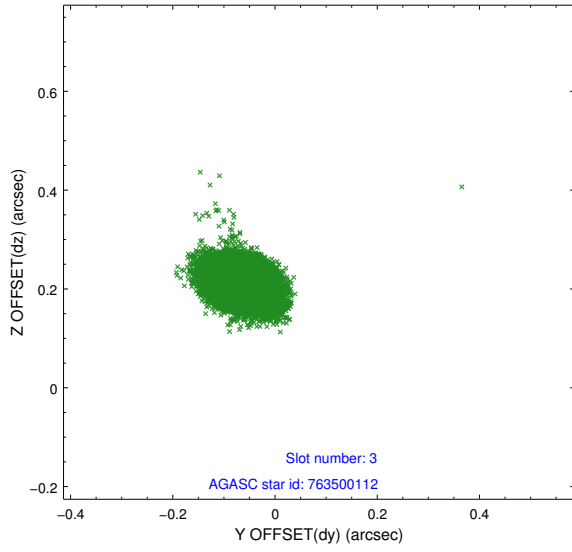


Slot Statistics

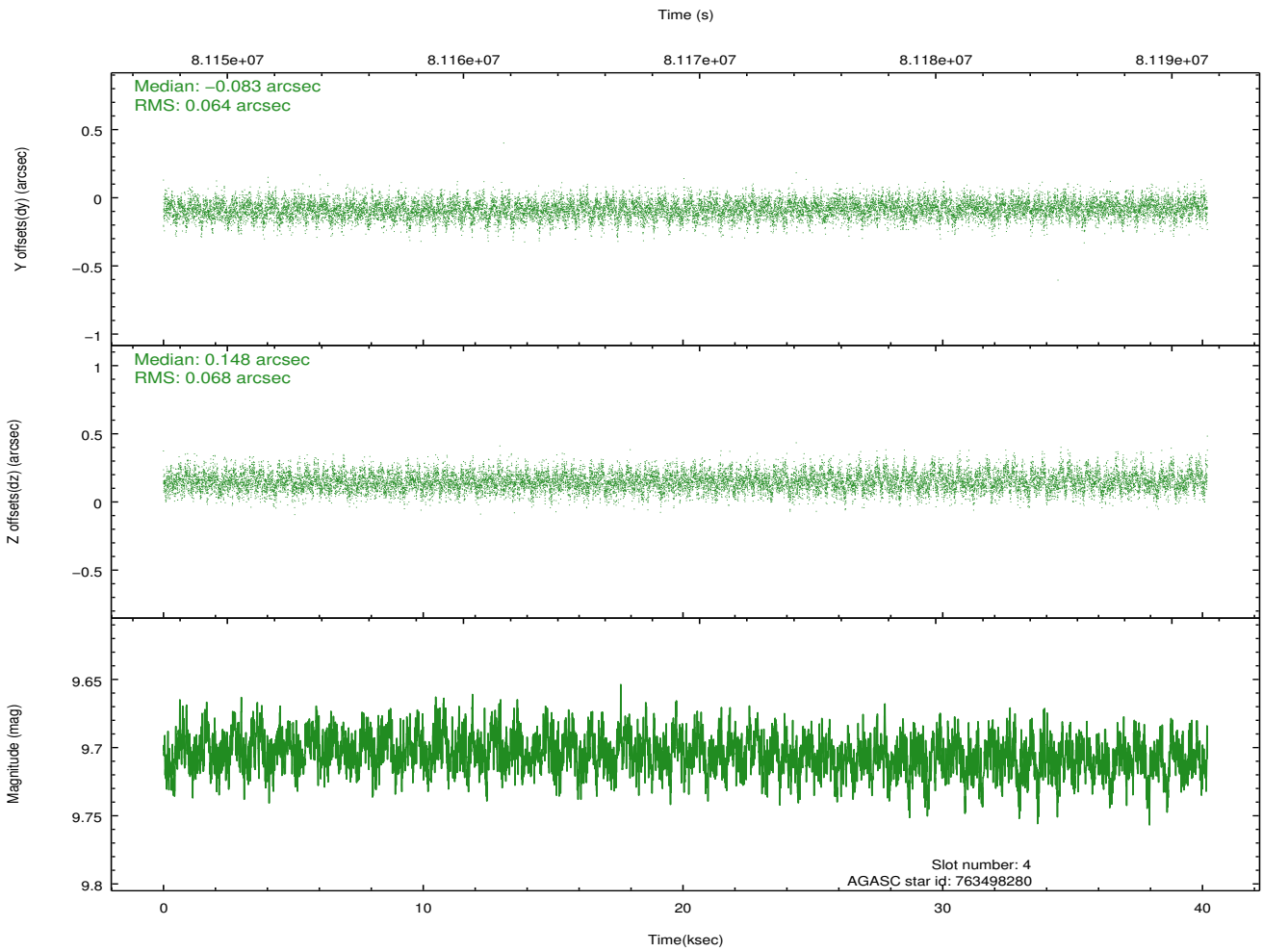
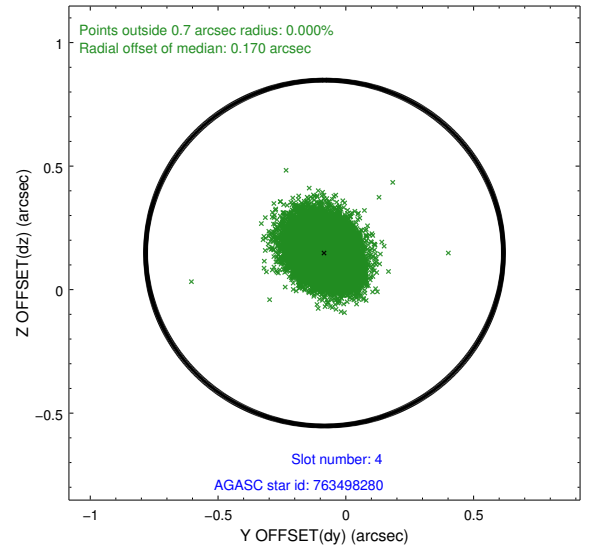
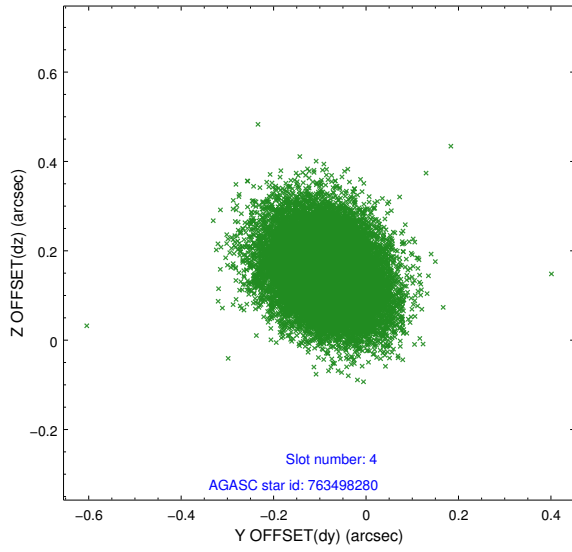
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9801	-0.031	-0.005	0.009	0.015	0.000000	0.000000	-754.33	-1725.92
1	FID	ACIS-S-4	7.21	9800	-0.013	0.016	0.006	0.010	0.000000	0.000000	2158.95	182.58
2	FID	ACIS-S-5	7.24	9800	0.013	-0.002	0.009	0.016	0.000000	0.000000	-1807.11	176.23
3	GUIDE	763500112	6.10	19602	-0.054	0.207	0.046	0.078	352.030274	-12.212329	-806.30	-2237.50
4	GUIDE	763498280	9.71	19585	-0.083	0.148	0.098	0.163	351.715548	-11.532836	1842.77	-1795.16
5	GUIDE	763502704	9.93	19594	0.036	0.094	0.111	0.180	351.449244	-11.609906	1815.31	-816.24
6	GUIDE	763498504	9.84	19588	-0.068	-0.207	0.091	0.150	351.252498	-11.852907	1146.41	77.39
7	GUIDE	763888952	9.02	19596	0.170	-0.244	0.075	0.125	351.077405	-12.782990	-1934.56	1525.48

2.4 Star Slots

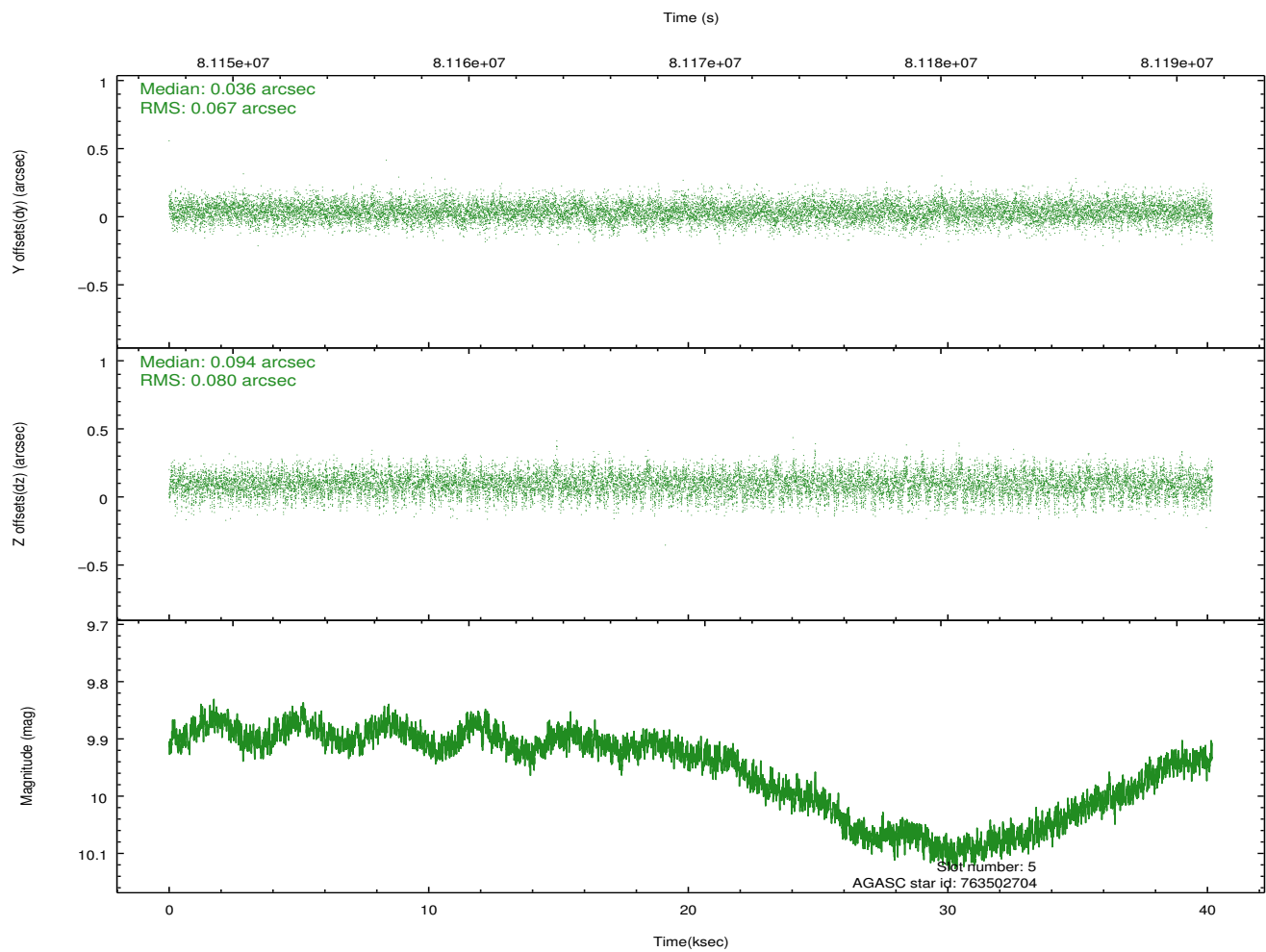
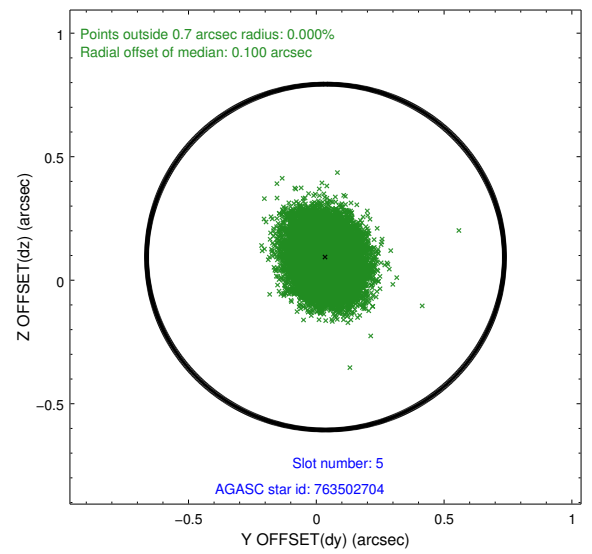
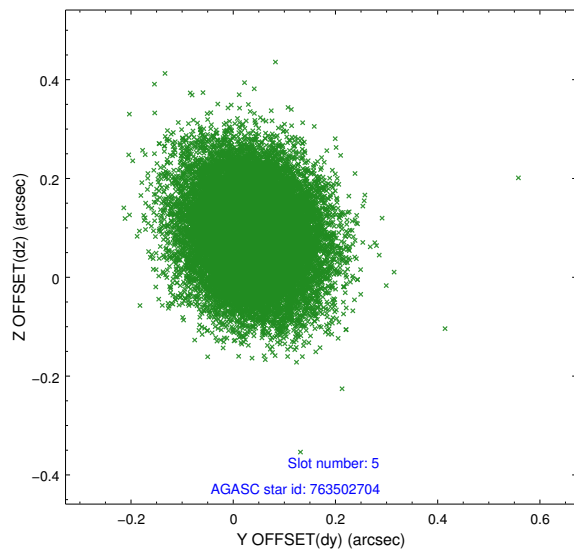
2.4.1 Slot 3



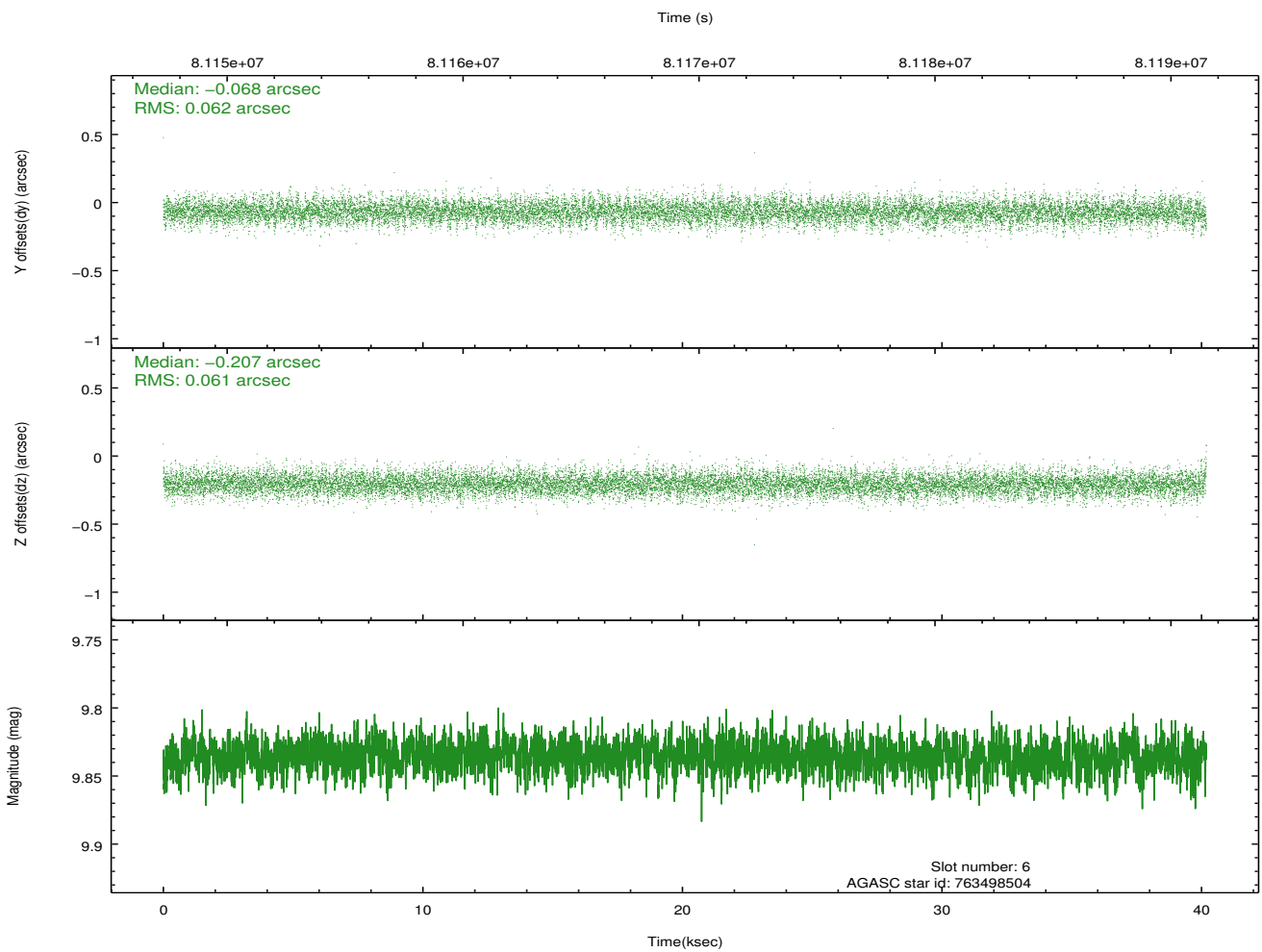
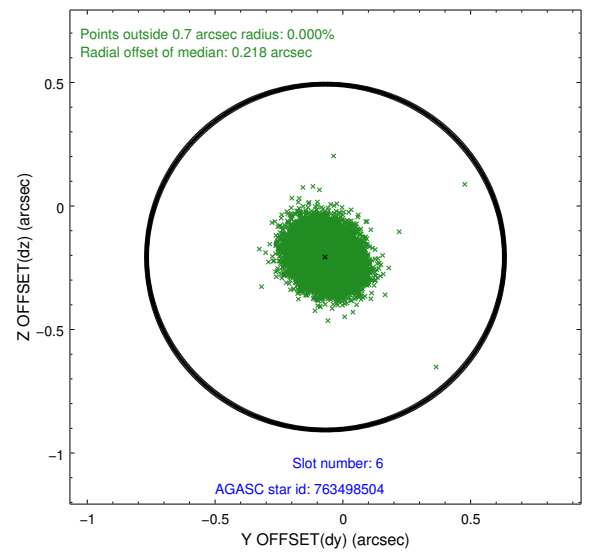
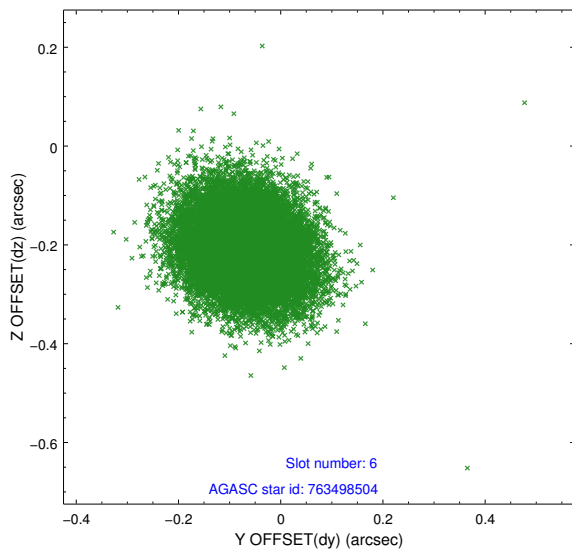
2.4.2 Slot 4



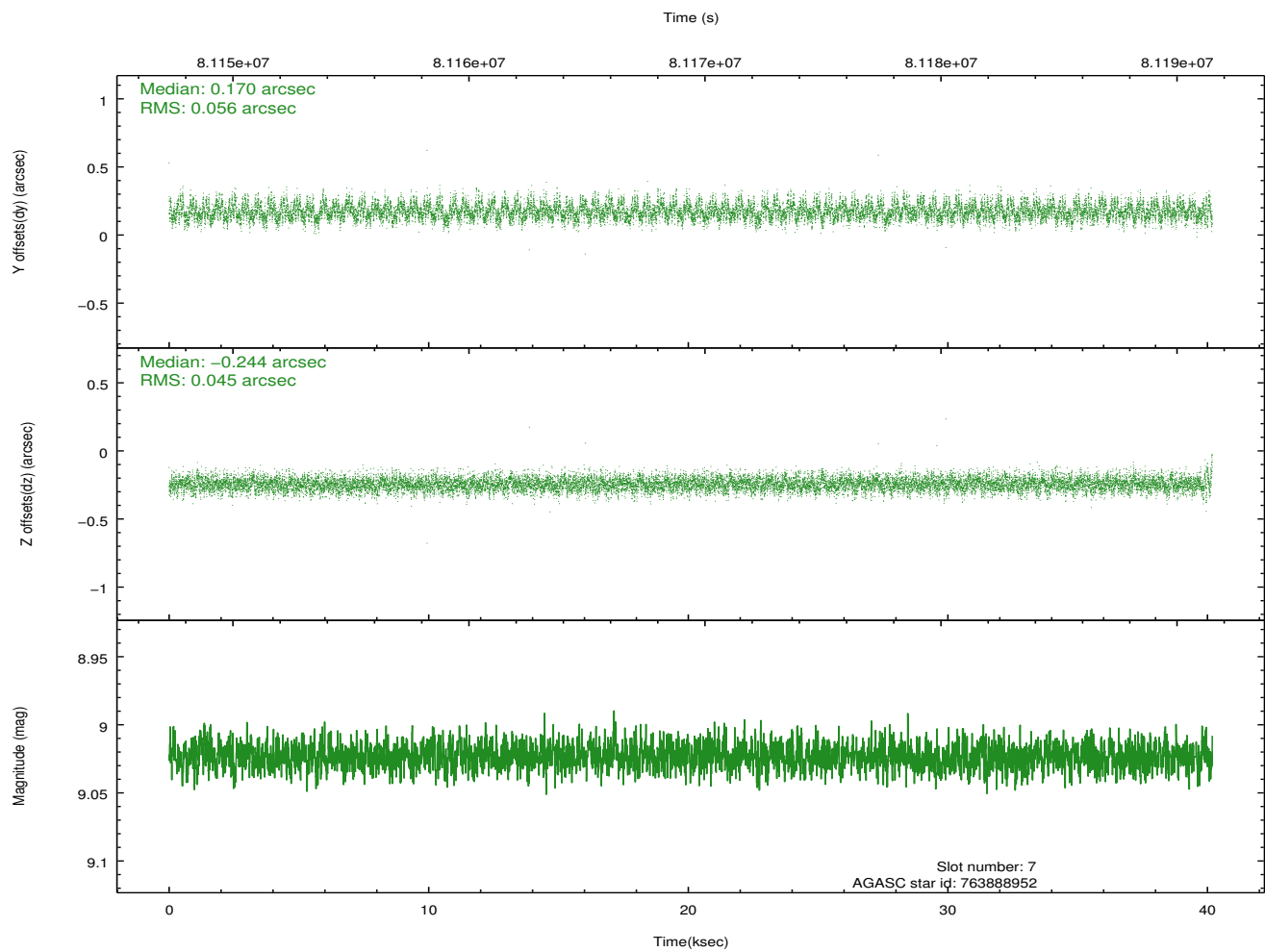
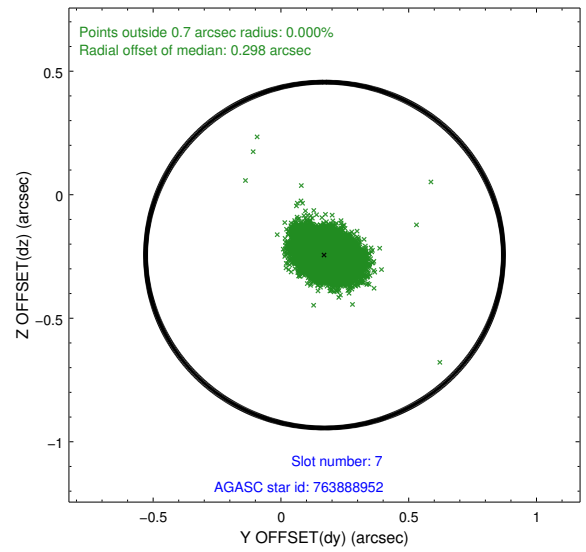
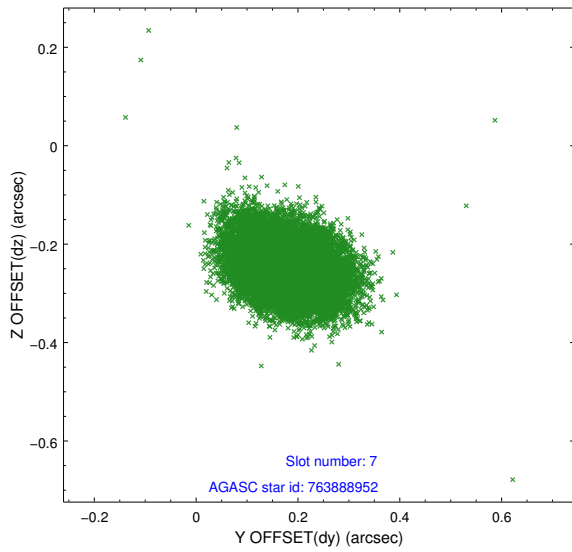
2.4.3 Slot 5



2.4.4 Slot 6

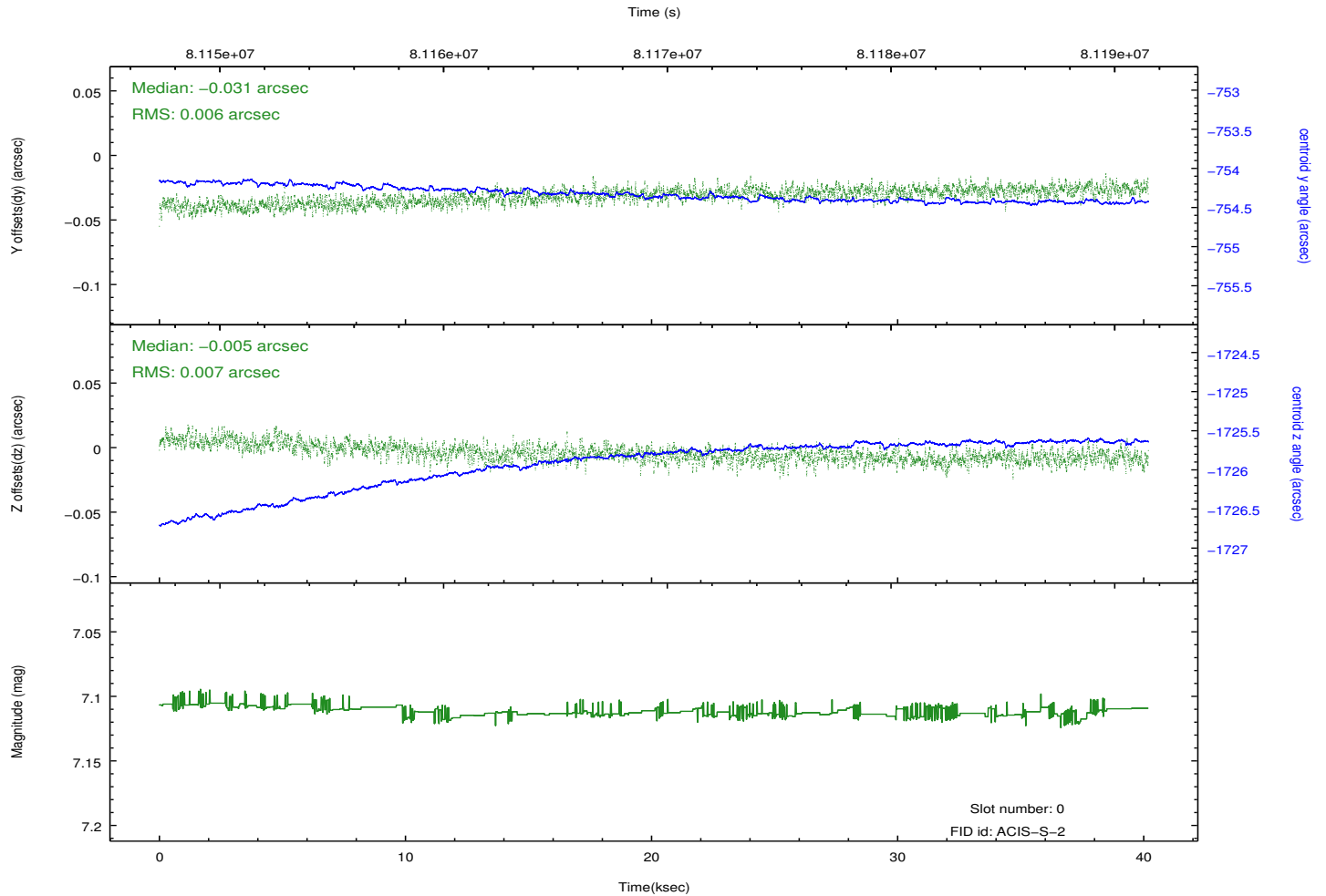
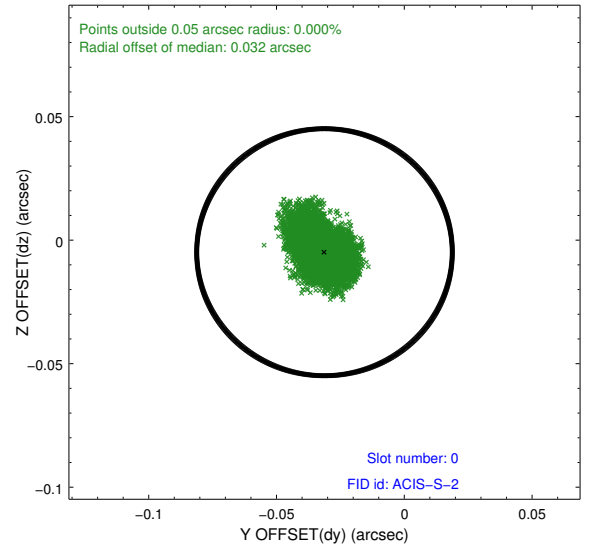
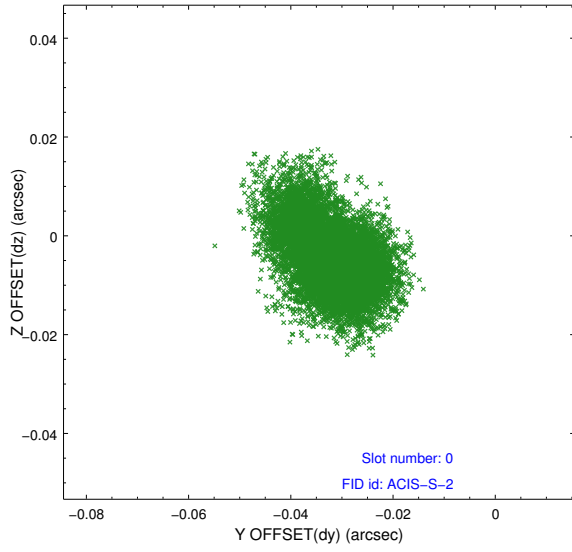


2.4.5 Slot 7

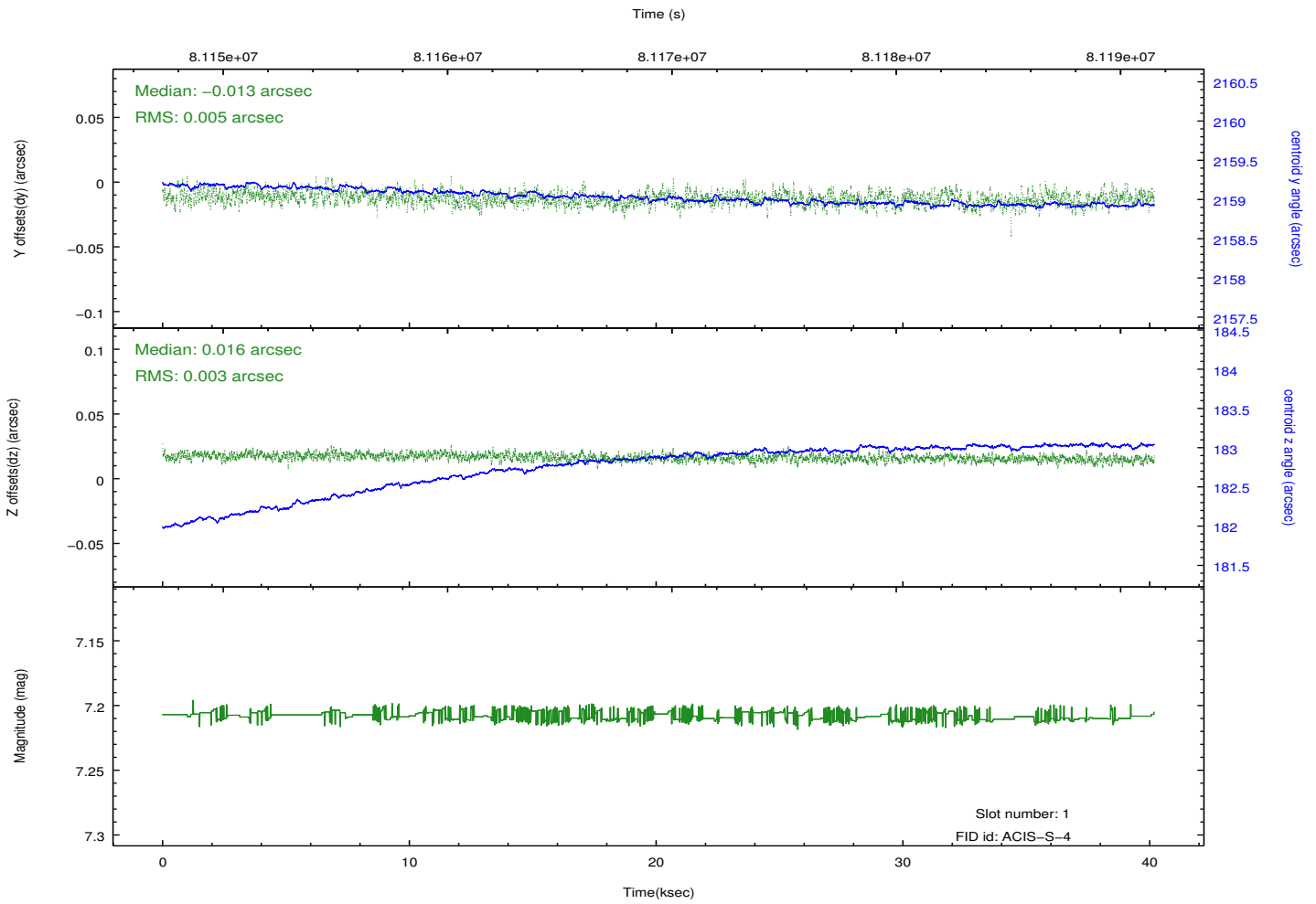
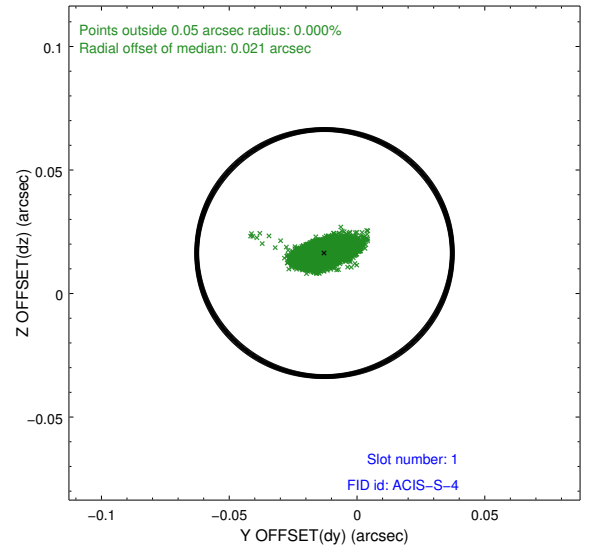
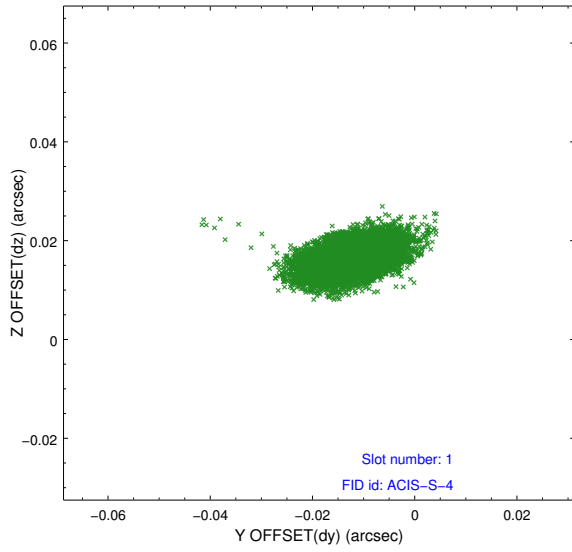


2.5 FID Slots

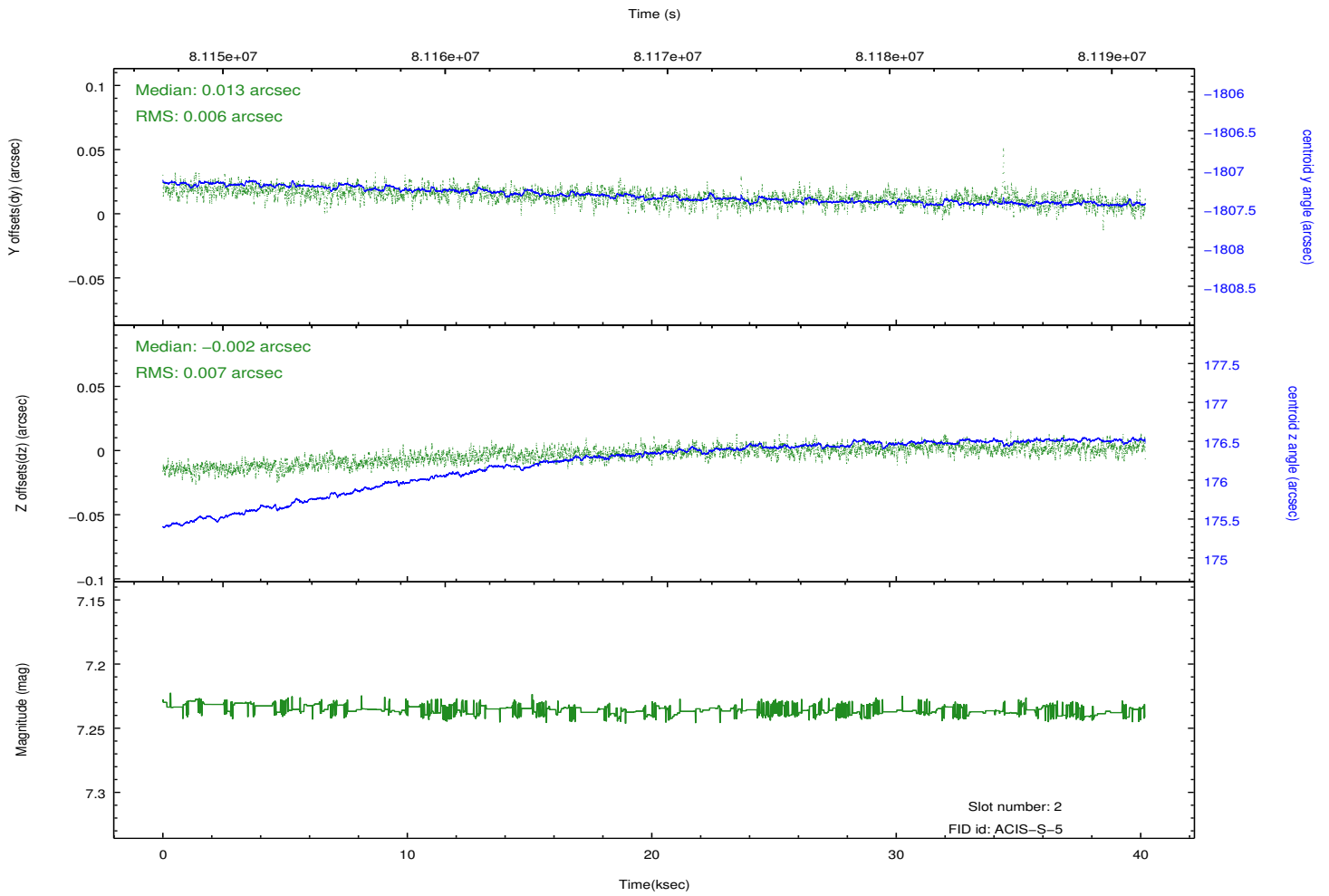
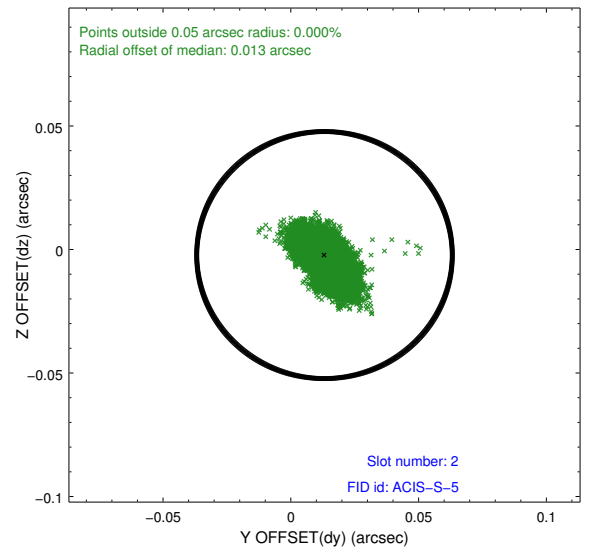
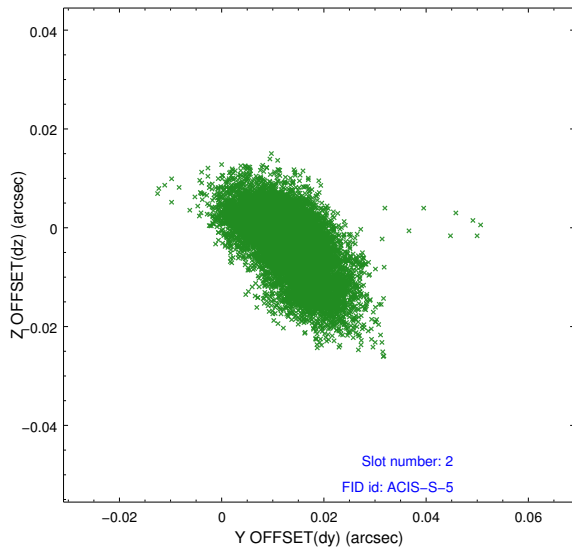
2.5.1 Slot 0



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)	2012.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.859

A.2 Comments