

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 496 - L2 Version 4
Chandra X-Ray Center

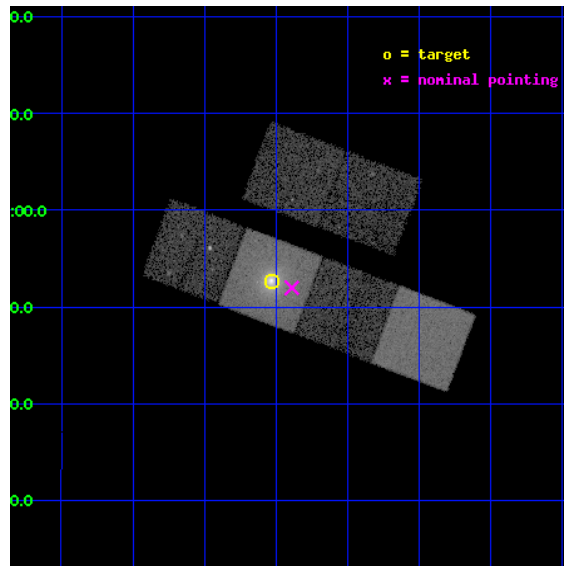
L2 Processing Date : Aug 26 2012

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1 Front

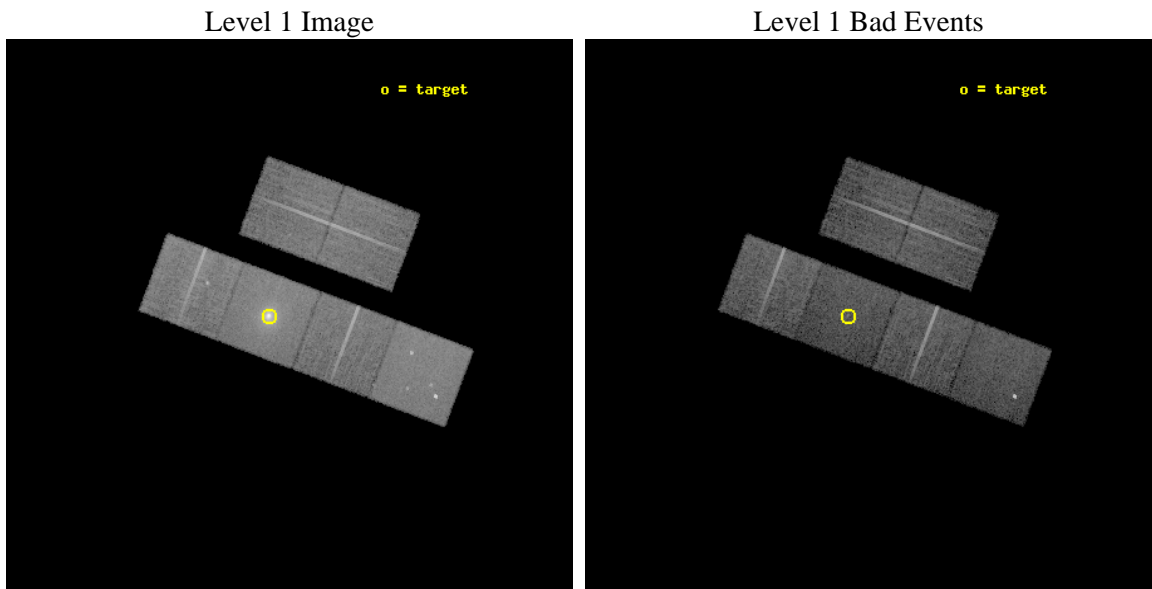
seq_num	800004	Sequence number
obs_id	496	Observation id
title	THE MASSIVE COOLING FLOW IN A1835	Proposal title
observer	Professor Andrew Fabian	Principal investigator
object	A1835	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.258333	Observer's specified target RA [deg]
dec_targ	2.877778	Observer's specified target Dec [deg]
ra_nom	210.22231674401	Nominal RA [deg]
dec_nom	2.8663064250453	Nominal Dec [deg]
roll_nom	200.61283215825	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10835.200010076	Sum of GTIs [s]
livetime	10697.998183374	Livetime [s]
ontime2	10835.200010076	Sum of GTIs [s]
ontime3	10835.200010076	Sum of GTIs [s]
ontime5	10835.200010076	Sum of GTIs [s]
ontime6	10835.200010076	Sum of GTIs [s]
ontime7	10835.200010076	Sum of GTIs [s]
ontime8	10835.200010076	Sum of GTIs [s]
l2events	152412	Number of level 2 events



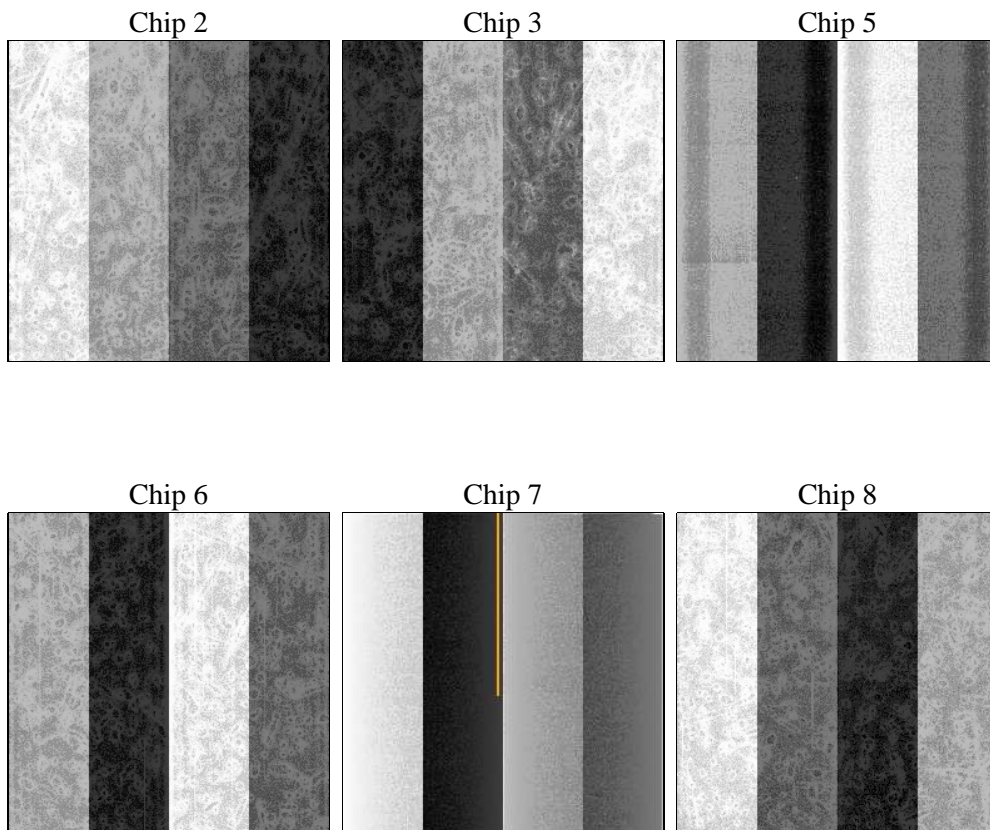
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10835.200010076	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	10835.200010076	Sum of GTIs [s]
date	2012-08-26T20:41:25	Date and time of file creation	ontime3	10835.200010076	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	10835.200010076	Sum of GTIs [s]
			ontime6	10835.200010076	Sum of GTIs [s]
			ontime7	10835.200010076	Sum of GTIs [s]
			ontime8	10835.200010076	Sum of GTIs [s]
			l1events	606406	Number of level 1 events

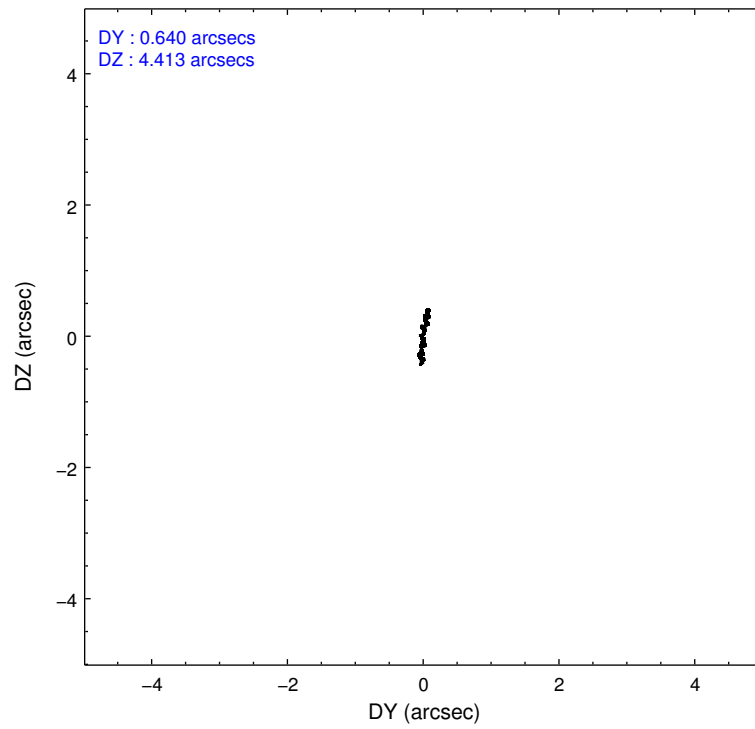
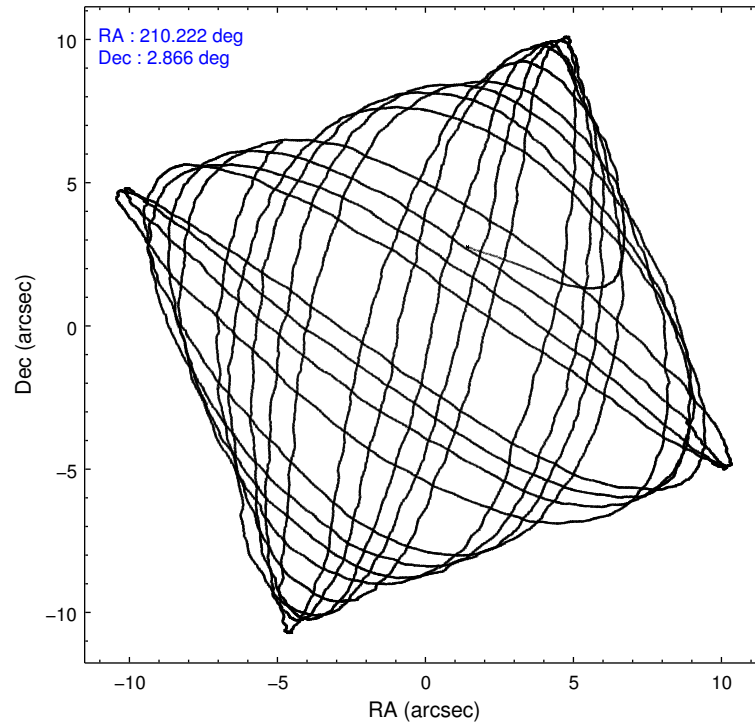
2.1.4 Events

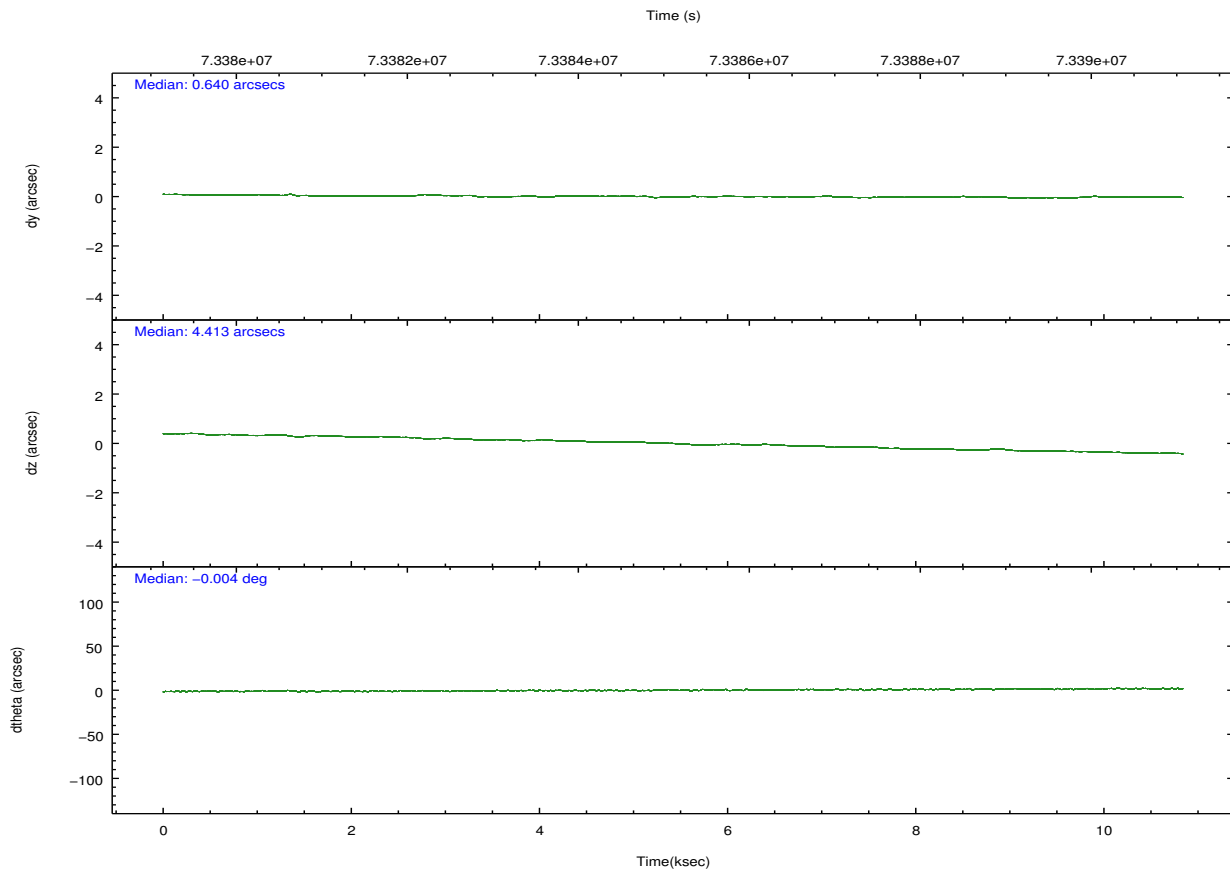
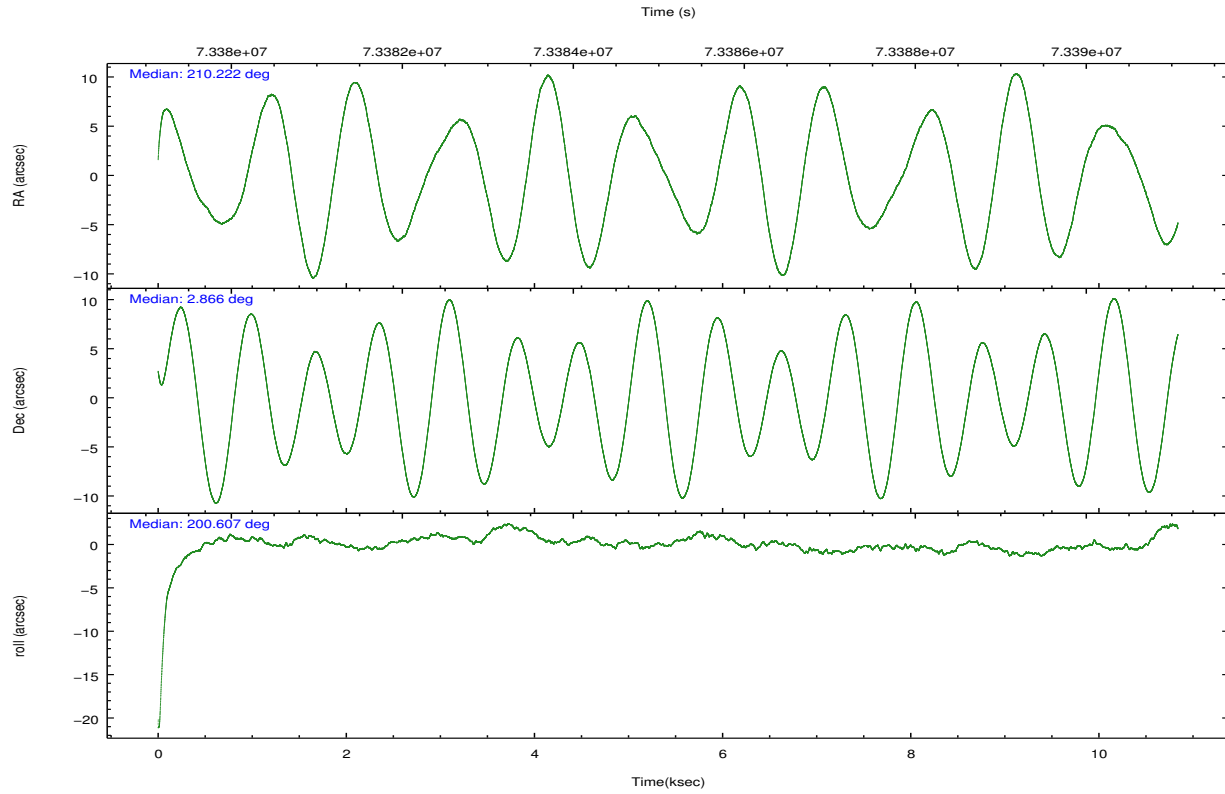
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	87100	82432	110507	84243	136577	105547	grade 0 events	3733	4069	6213	4155	17779	7145
rejected events	78758	73696	61898	75096	58302	85573		4%	4%	5%	4%	13%	6%
rejected %	90%	89%	56%	89%	42%	81%	grade 1 events	36	46	159	38	116	53
								0%	0%	0%	0%	0%	0%
							grade 2 events	1875	1758	14528	1820	18318	4223
								2%	2%	13%	2%	13%	4%
							grade 3 events	818	866	2387	922	8157	2178
								0%	1%	2%	1%	5%	2%
							grade 4 events	856	874	2202	915	8306	2061
								0%	1%	1%	1%	6%	1%
							grade 5 events	2563	2797	9196	3087	9591	3937
								2%	3%	8%	3%	7%	3%
							grade 6 events	1443	1530	25417	1707	27937	5167
								1%	1%	23%	2%	20%	4%
							grade 7 events	75776	70492	50405	71599	46373	80783
								86%	85%	45%	84%	33%	76%

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	210.239713	210.2223167440121	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.887559	2.866306425045273	Alternating exposures requested	N	N
[deg] Pointing Roll	200.455344	200.6128321582504	[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)	73380128.184000	73378544.51542			
Observation start date	2000-04-29T07:21:04	2000-04-29T06:55:44			
[s] Observation end time (MET)	73390528.184000	73391236.06588601			
Observation end date	2000-04-29T10:14:24	2000-04-29T10:27:16			
Read mode	TIMED	TIMED			

2.3 Aspect



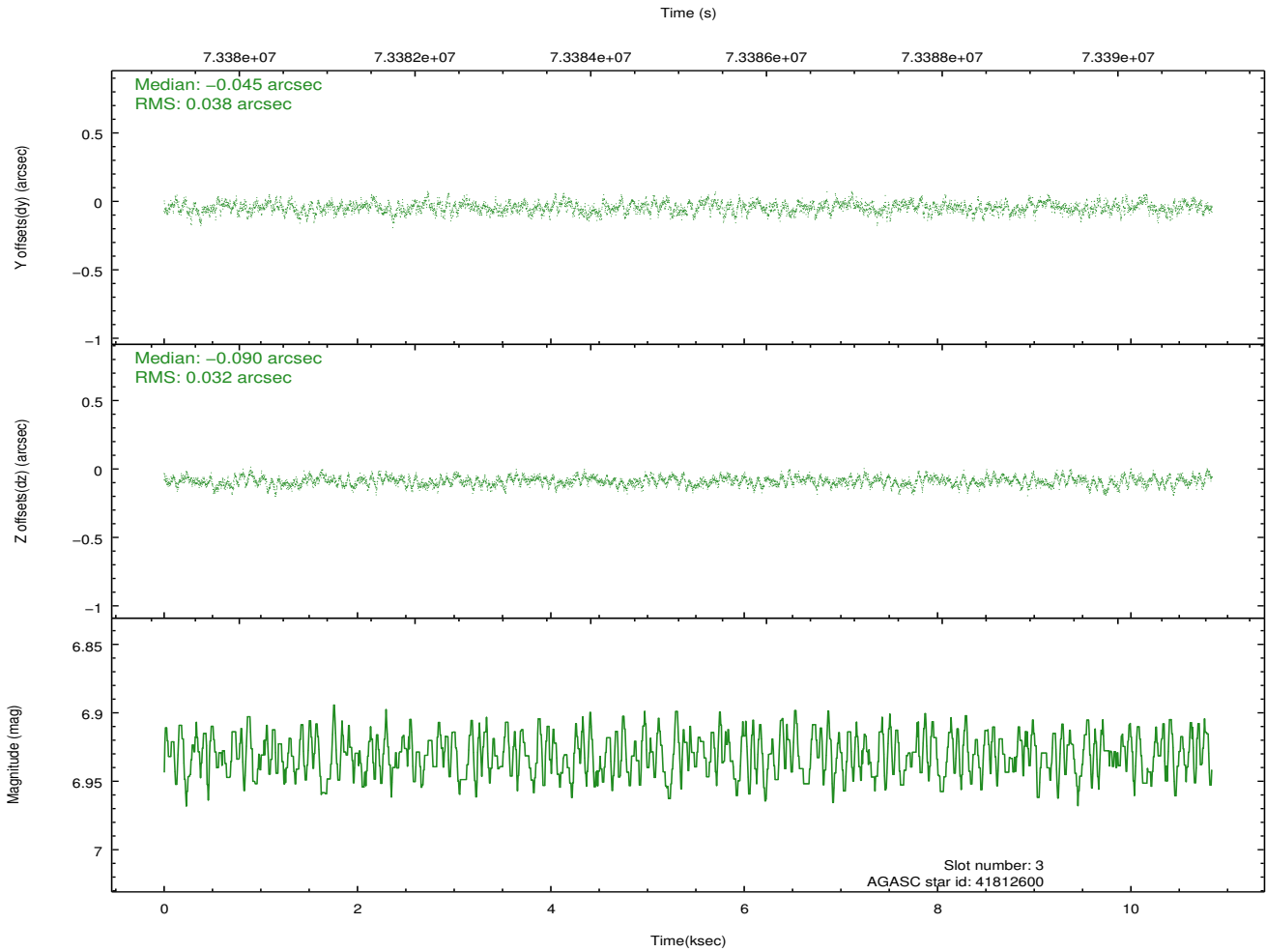
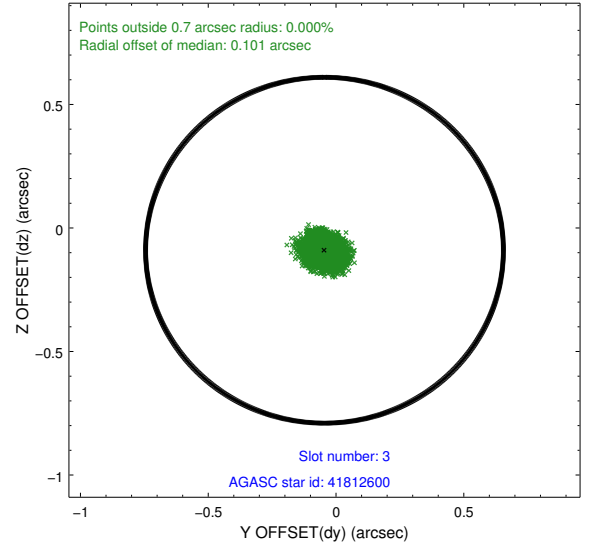
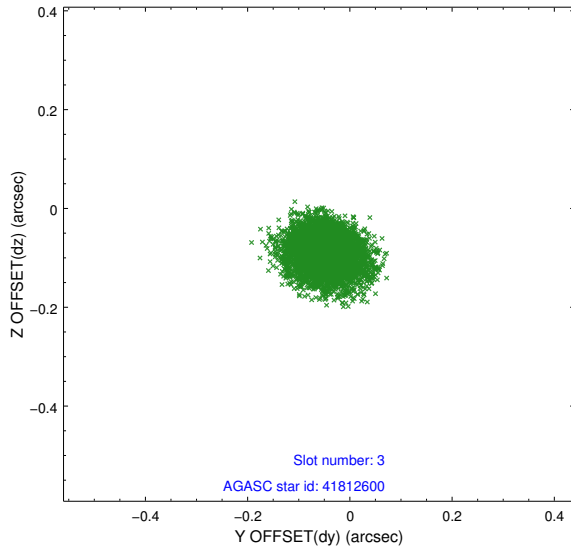


Slot Statistics

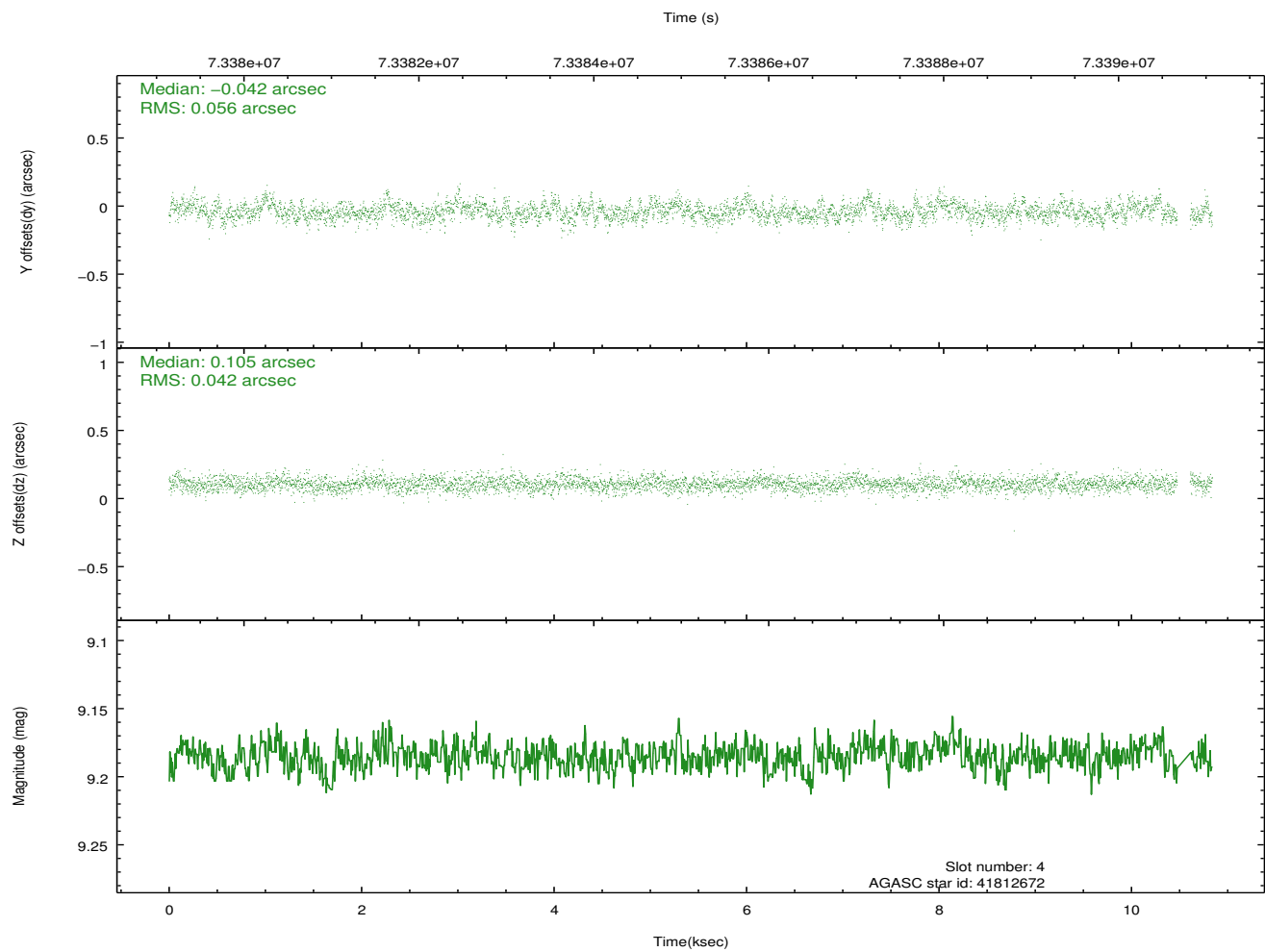
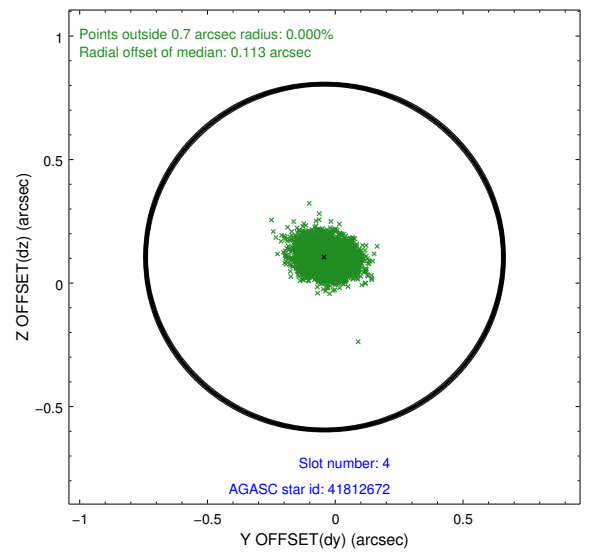
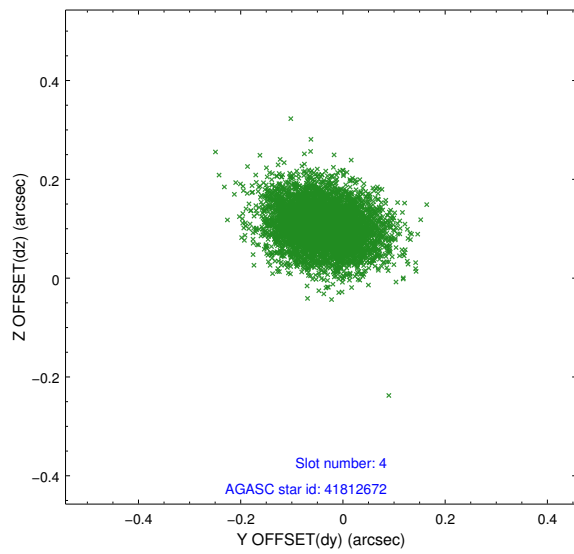
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2644	-0.029	-0.023	0.009	0.014	0.000000	0.000000	-753.26	-1725.53
1	FID	ACIS-S-4	7.21	2643	0.032	0.020	0.006	0.012	0.000000	0.000000	2159.87	182.49
2	FID	ACIS-S-5	7.24	2643	-0.034	0.012	0.008	0.014	0.000000	0.000000	-1805.48	176.72
3	GUIDE	41812600	6.93	5287	-0.045	-0.090	0.053	0.087	210.084142	2.674576	791.00	522.85
4	GUIDE	41812672	9.19	5221	-0.042	0.105	0.073	0.121	210.433277	2.688495	-402.66	914.97
5	GUIDE	41812184	9.39	5286	0.052	0.019	0.075	0.125	210.003940	2.531299	1241.54	905.57
6	GUIDE	41814640	9.62	5285	0.016	-0.051	0.087	0.145	210.348766	3.400783	-1013.55	-1594.14
7	GUIDE	41817264	9.72	5281	0.018	0.018	0.093	0.150	210.440099	3.222215	-1097.03	-877.53

2.4 Star Slots

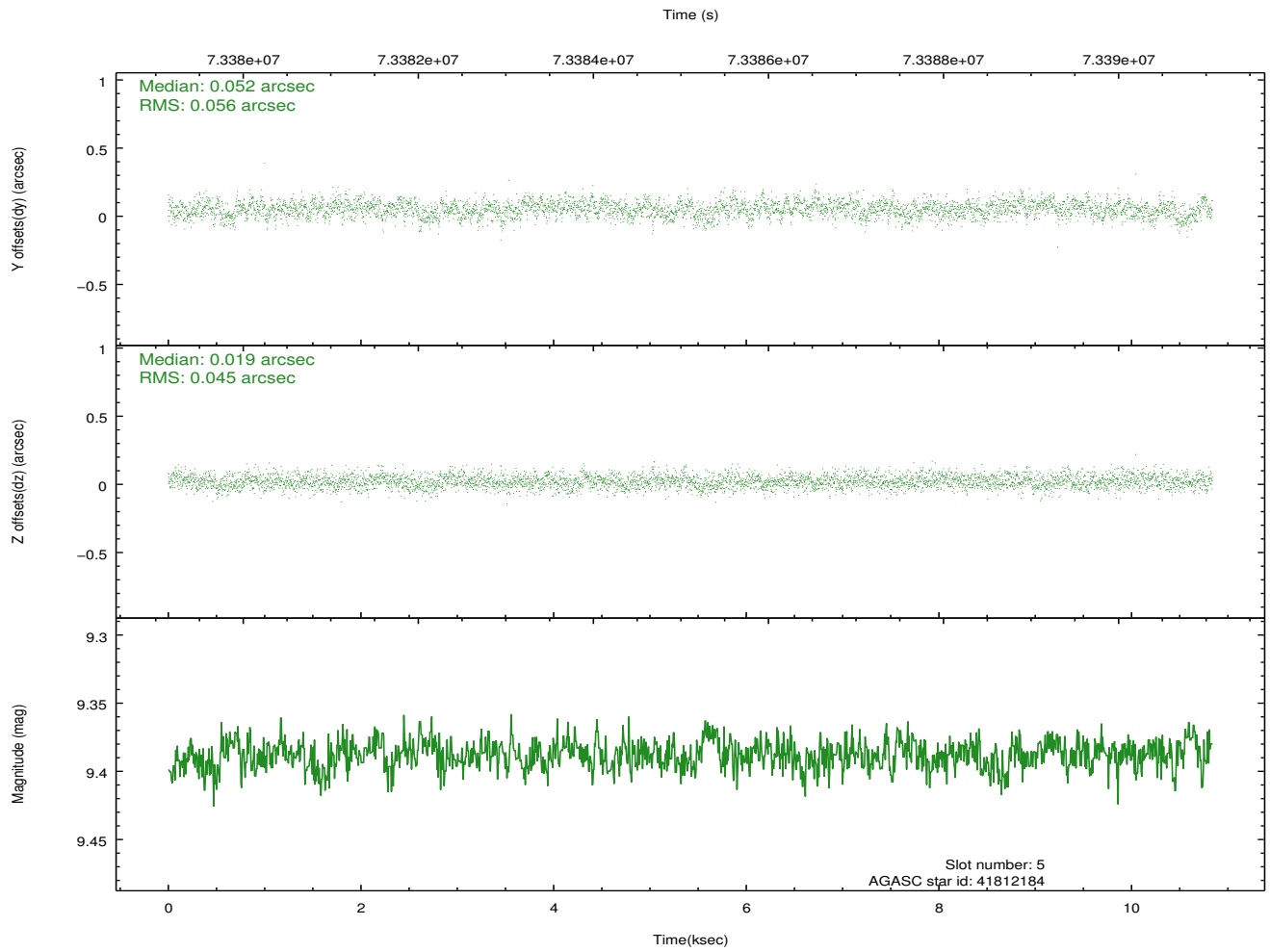
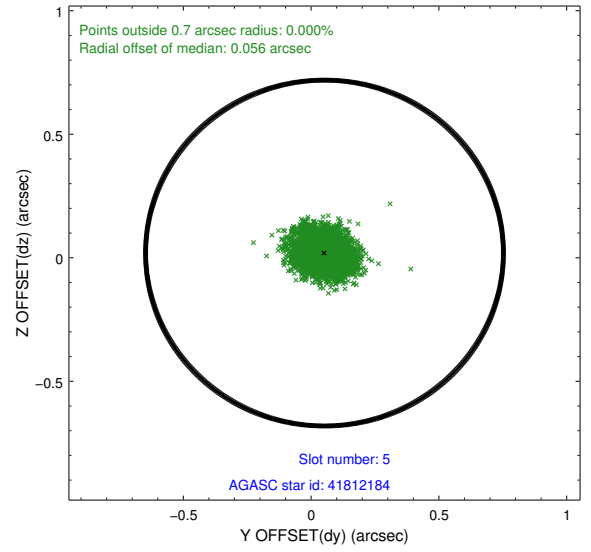
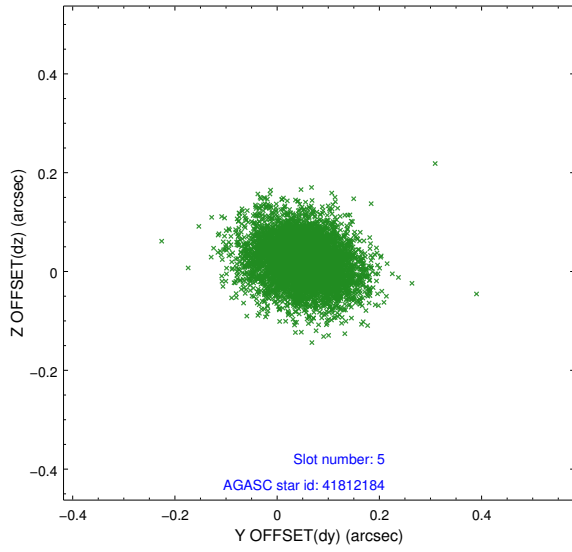
2.4.1 Slot 3



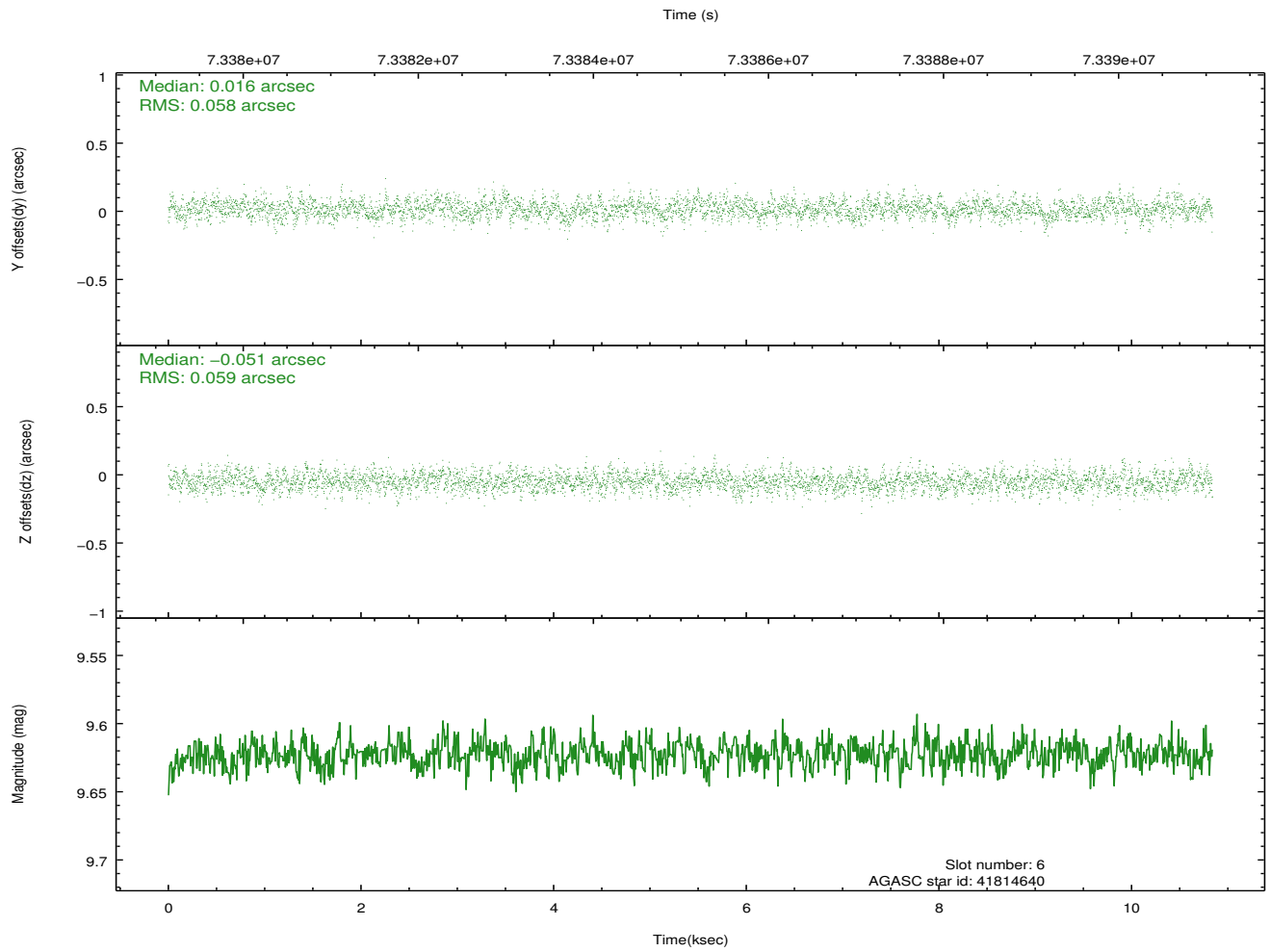
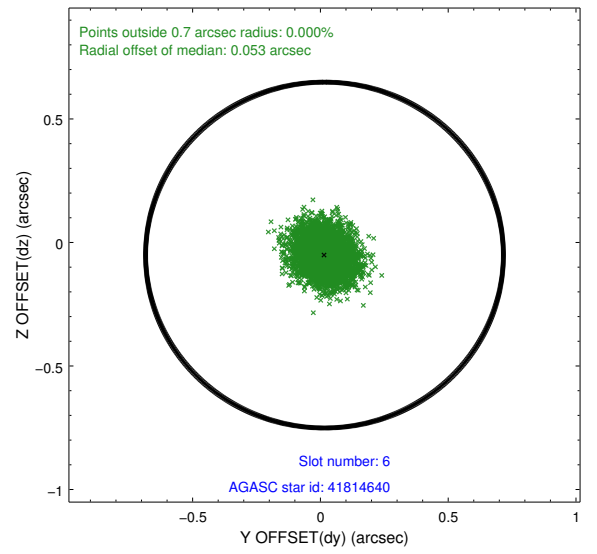
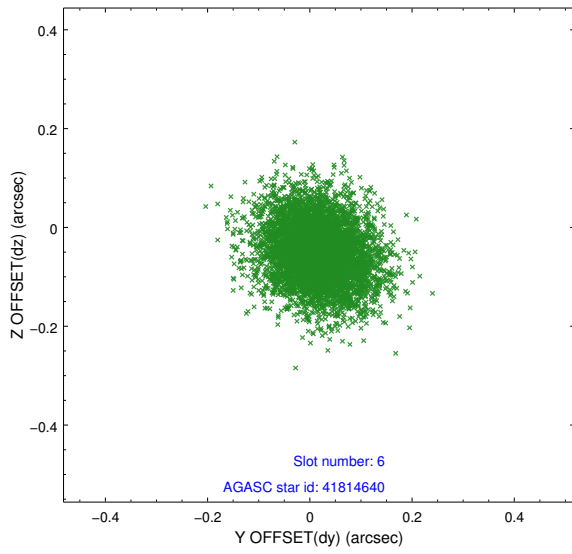
2.4.2 Slot 4



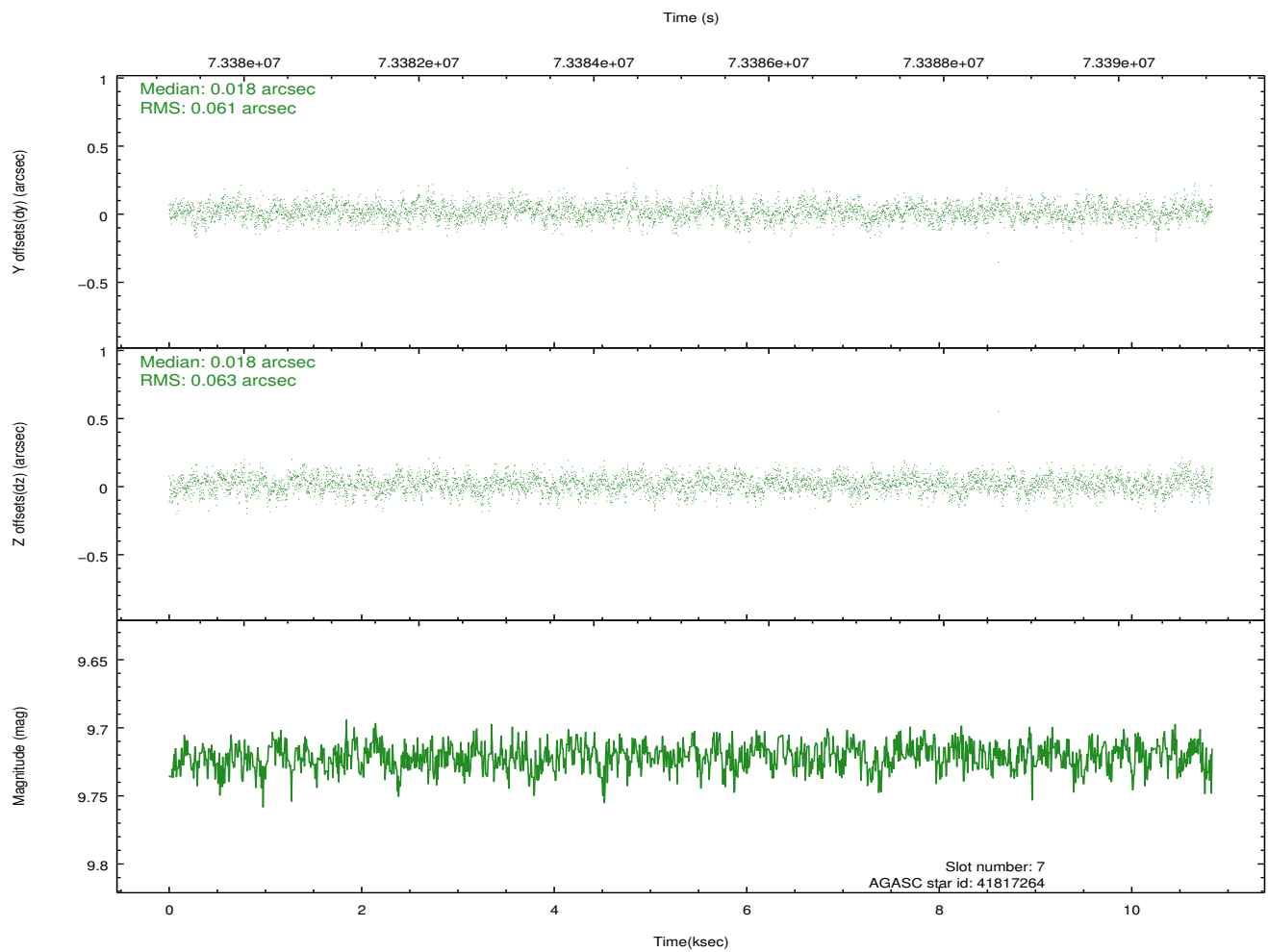
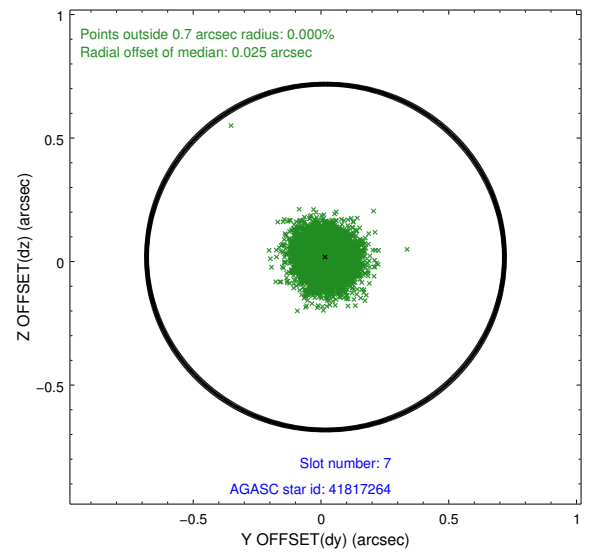
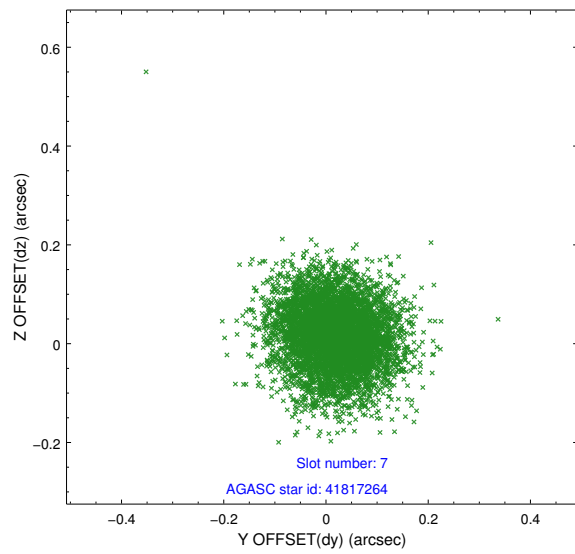
2.4.3 Slot 5



2.4.4 Slot 6

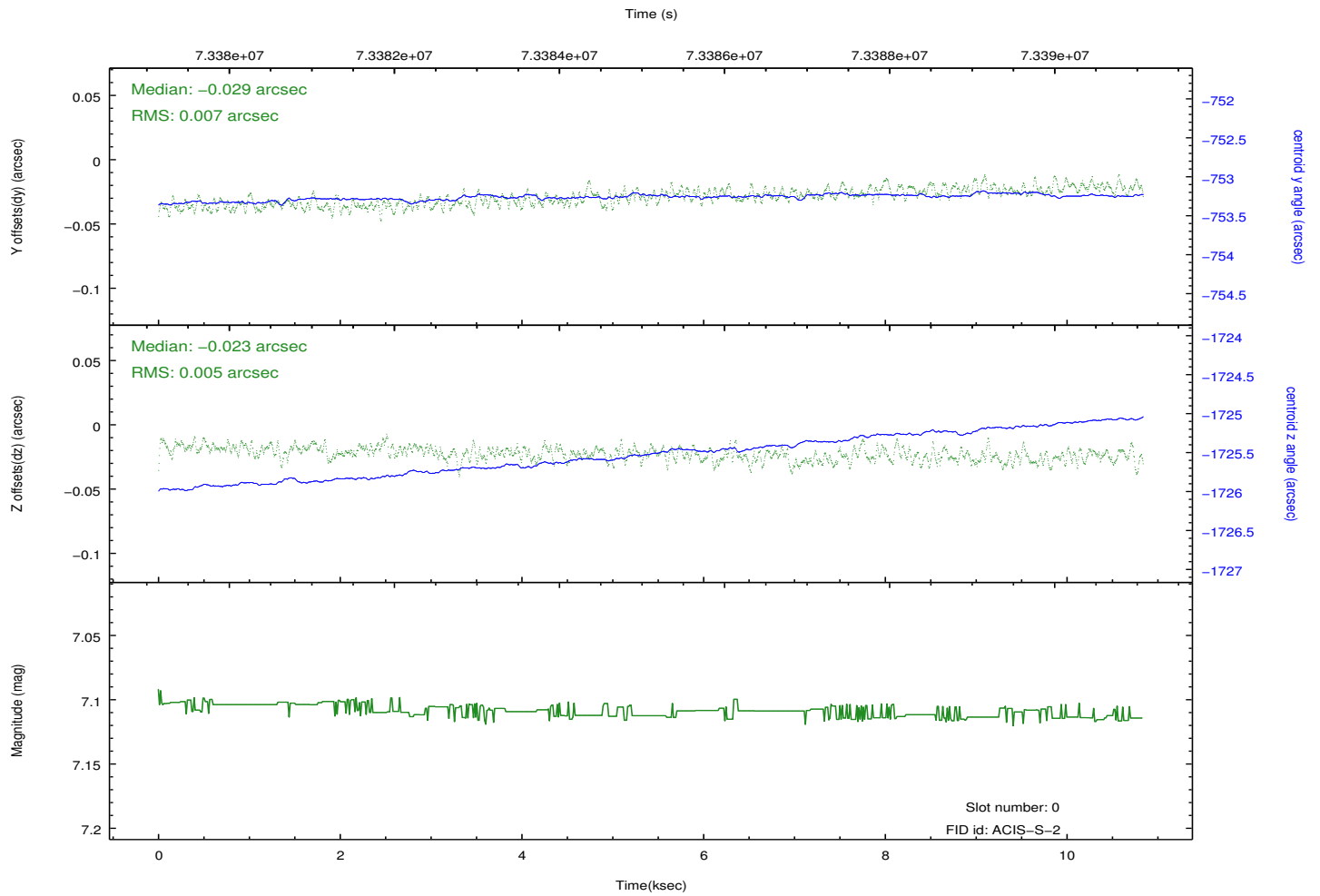
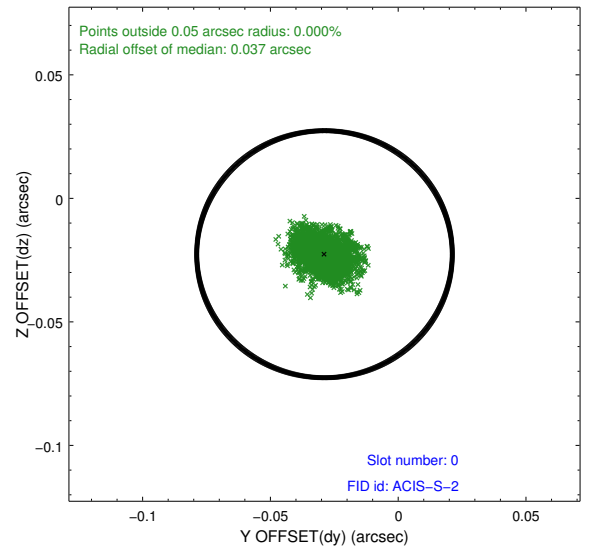
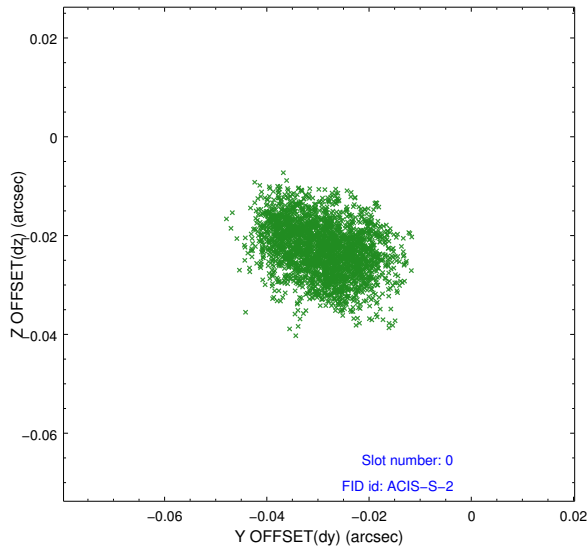


2.4.5 Slot 7

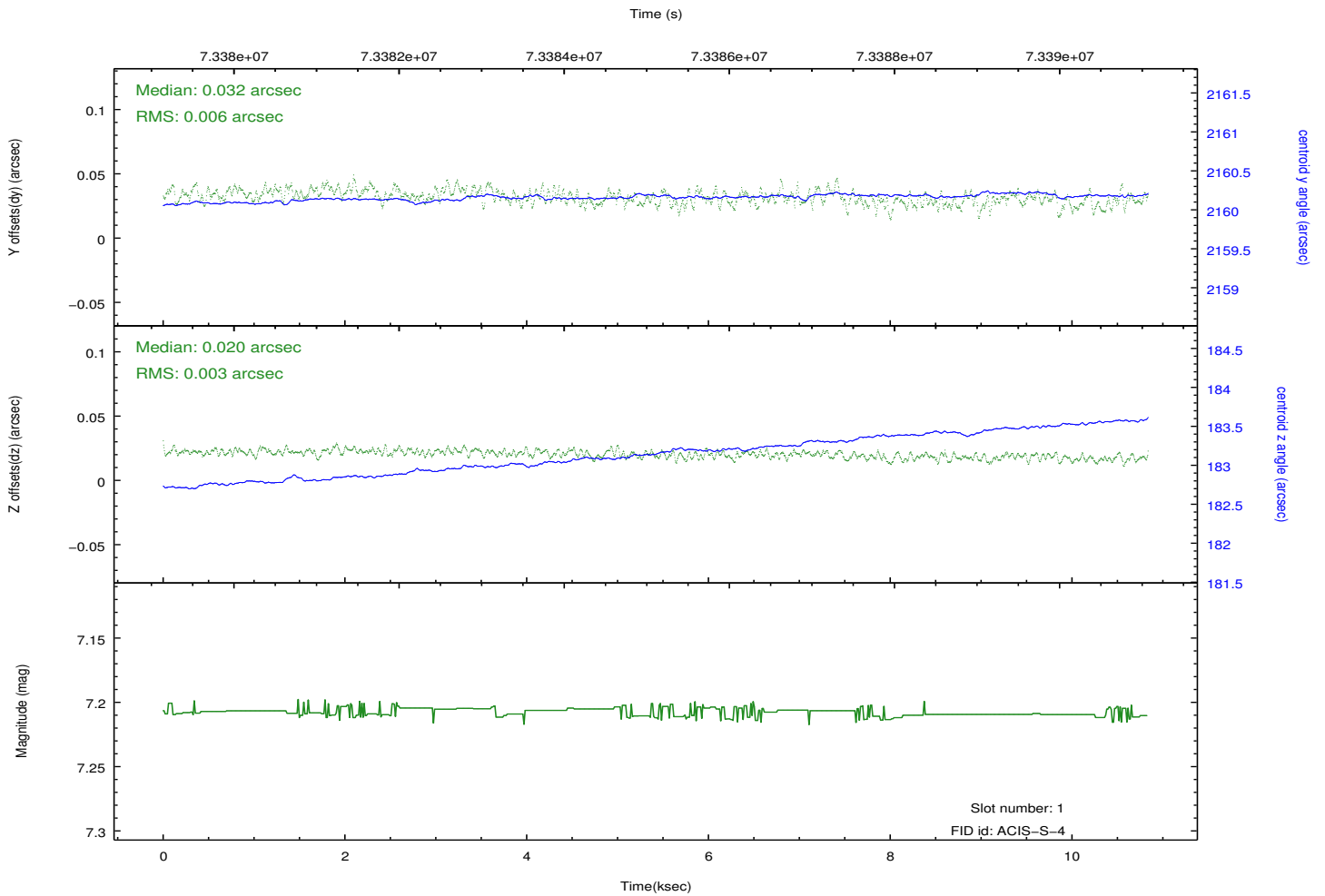
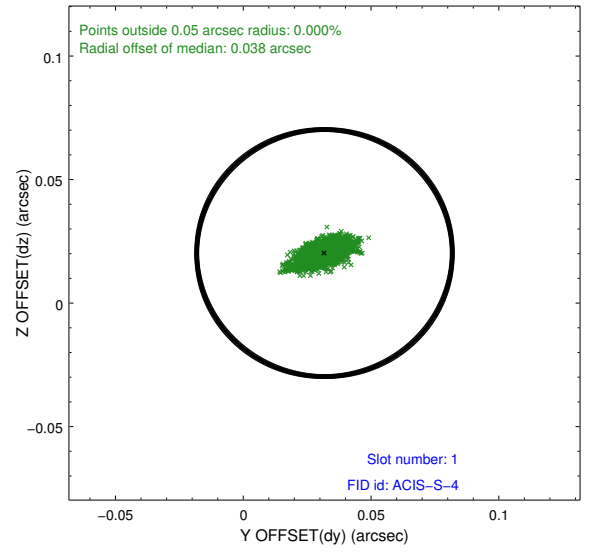
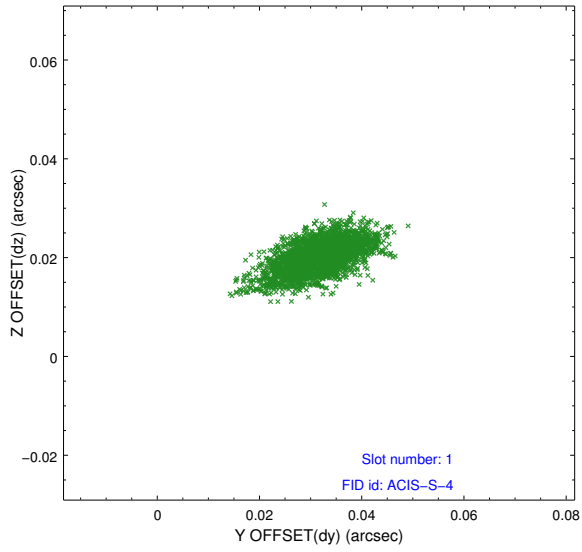


2.5 FID Slots

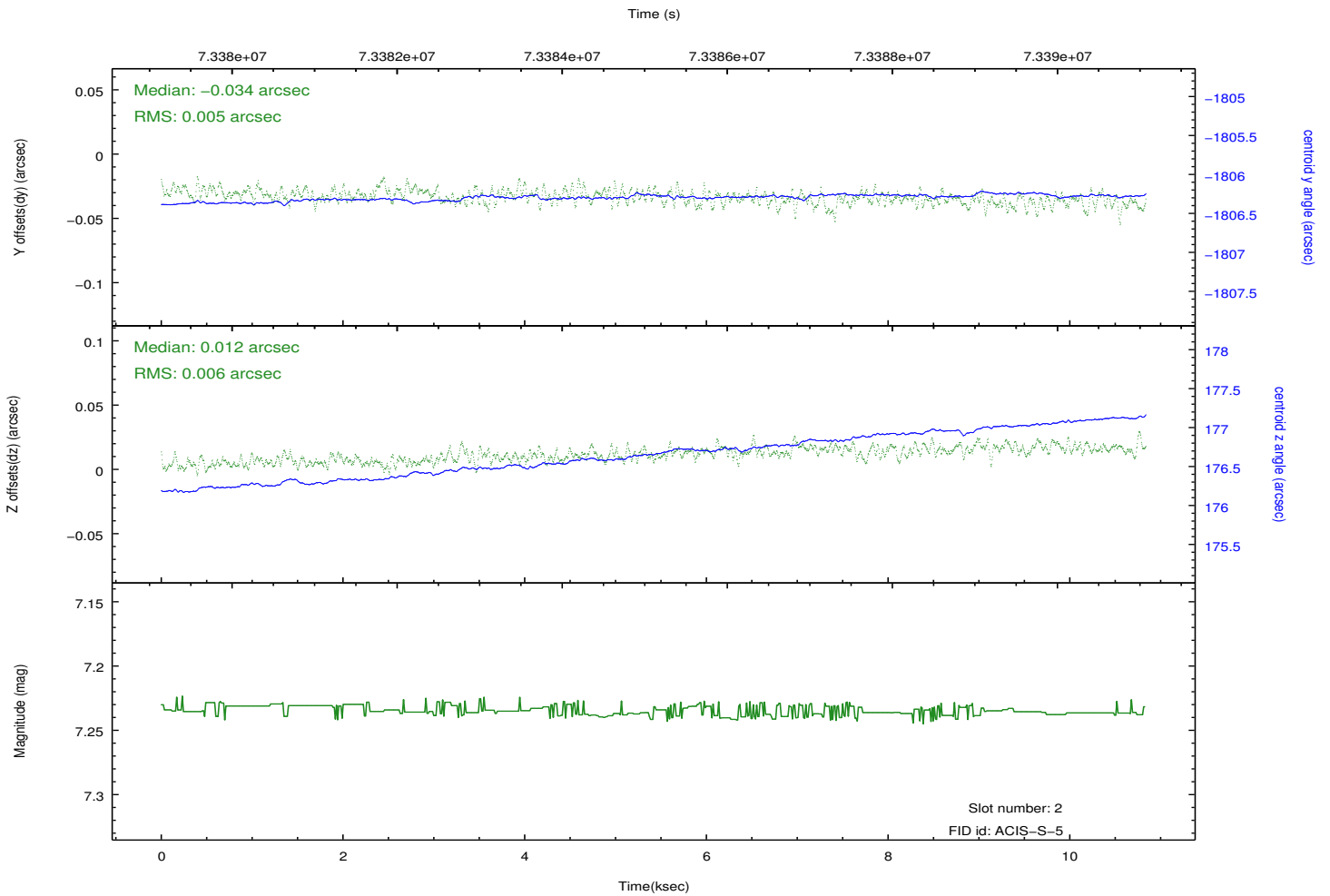
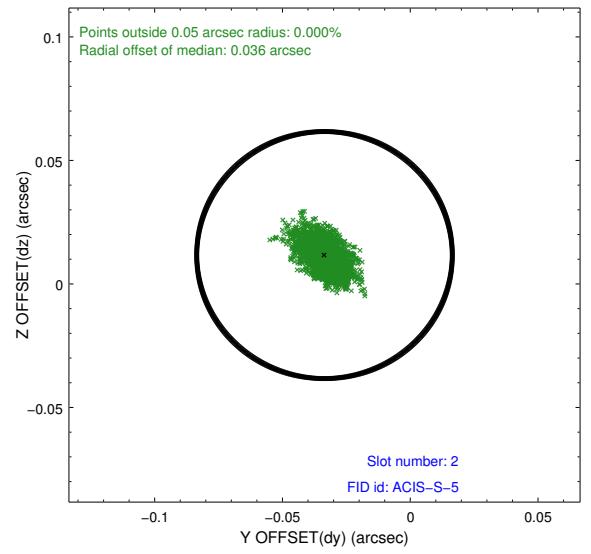
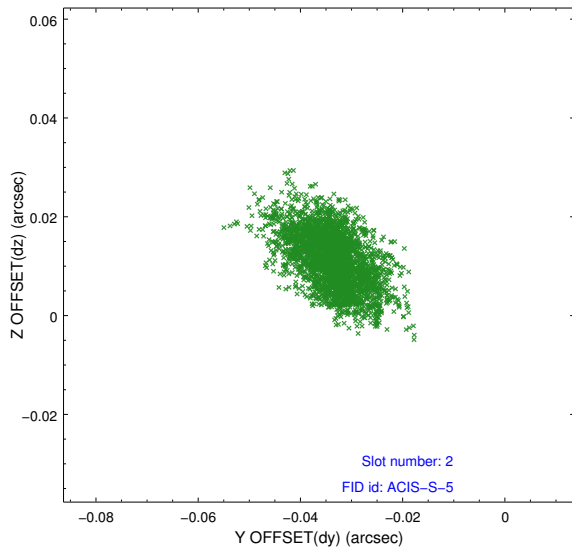
2.5.1 Slot 0



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)	2012.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.835

A.2 Comments