

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 740 - L2 Version 4
Chandra X-Ray Center

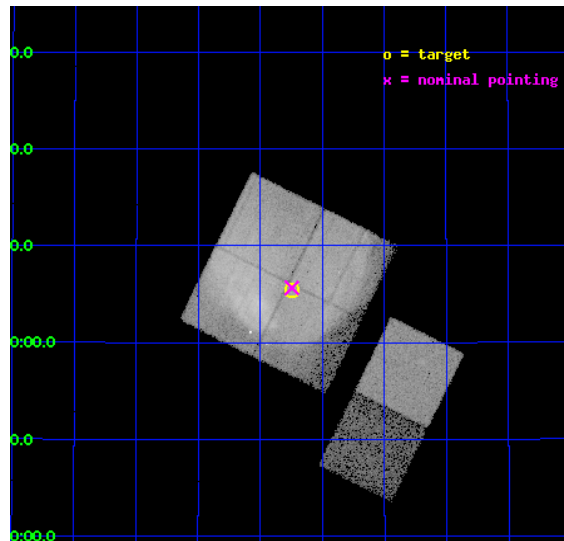
L2 Processing Date : Aug 28 2012

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1 Front

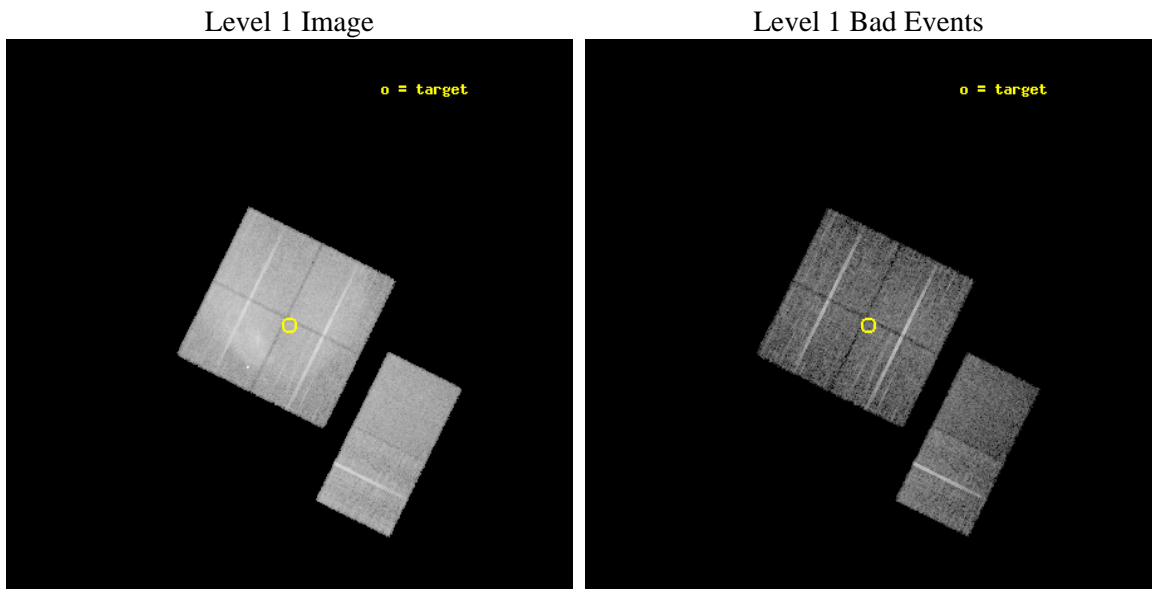
seq_num	500036	Sequence number
obs_id	740	Observation id
title	AXAF IMAGING AND SPECTROSCOPY OF THE SOUTHWEST V REGION OF THE CYGNUS LOOP	Proposal title
observer	Dr. Denis Leahy	Principal investigator
object	CYGNUS LOOP SW V	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	311.811667	Observer's specified target RA [deg]
dec_targ	30.089444	Observer's specified target Dec [deg]
ra_nom	311.81134927024	Nominal RA [deg]
dec_nom	30.094433782306	Nominal Dec [deg]
roll_nom	116.31743310804	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9846.4000091553	Sum of GTIs [s]
livetime	9721.7189634491	Livetime [s]
ontime0	9846.4000091553	Sum of GTIs [s]
ontime1	9846.4000091553	Sum of GTIs [s]
ontime2	9843.159029007	Sum of GTIs [s]
ontime3	9846.4000091553	Sum of GTIs [s]
ontime7	9846.4000091553	Sum of GTIs [s]
ontime8	9846.4000091553	Sum of GTIs [s]
l2events	281760	Number of level 2 events



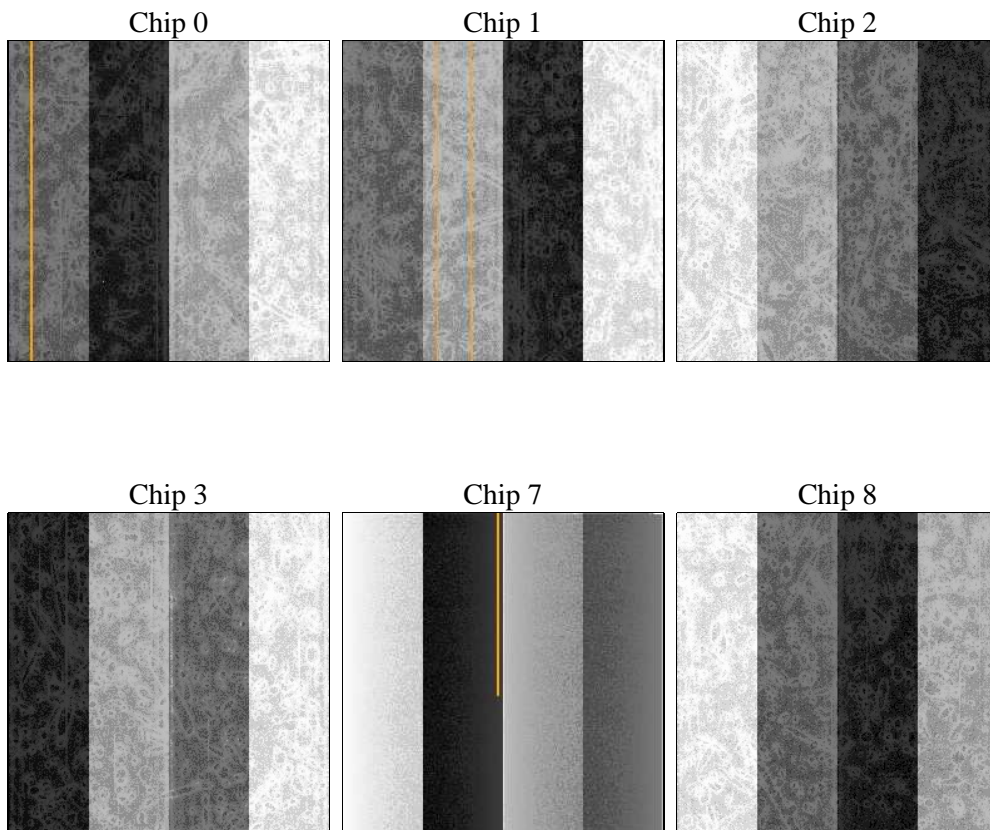
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9846.4000091553	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	9846.4000091553	Sum of GTIs [s]
date	2012-08-28T04:43:52	Date and time of file creation	ontime1	9846.4000091553	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	9843.159029007	Sum of GTIs [s]
			ontime3	9846.4000091553	Sum of GTIs [s]
			ontime7	9846.4000091553	Sum of GTIs [s]
			ontime8	9846.4000091553	Sum of GTIs [s]
			l1events	661720	Number of level 1 events

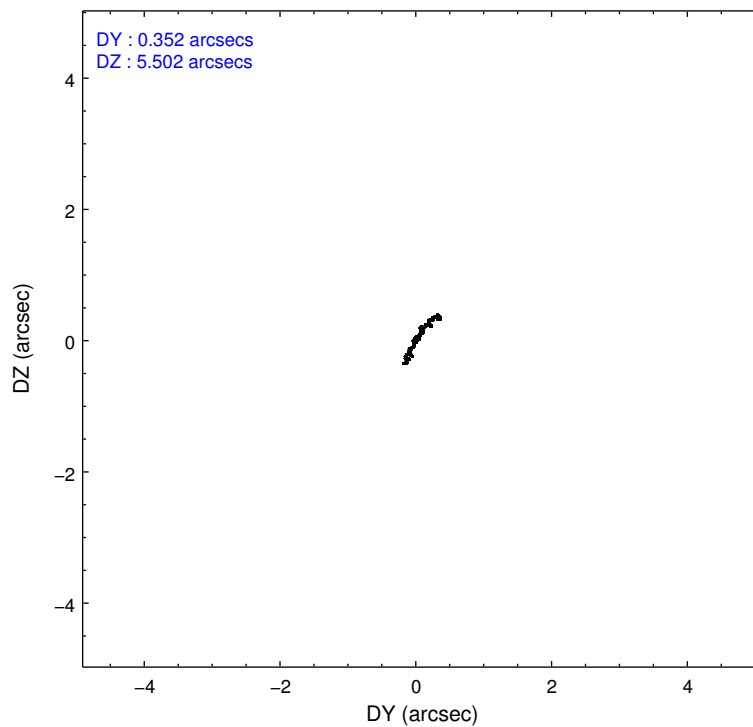
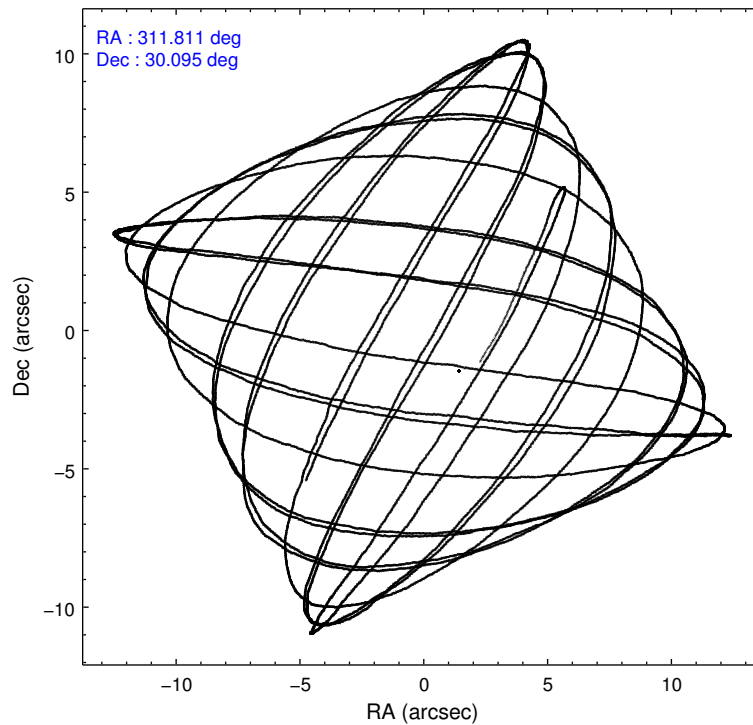
2.1.4 Events

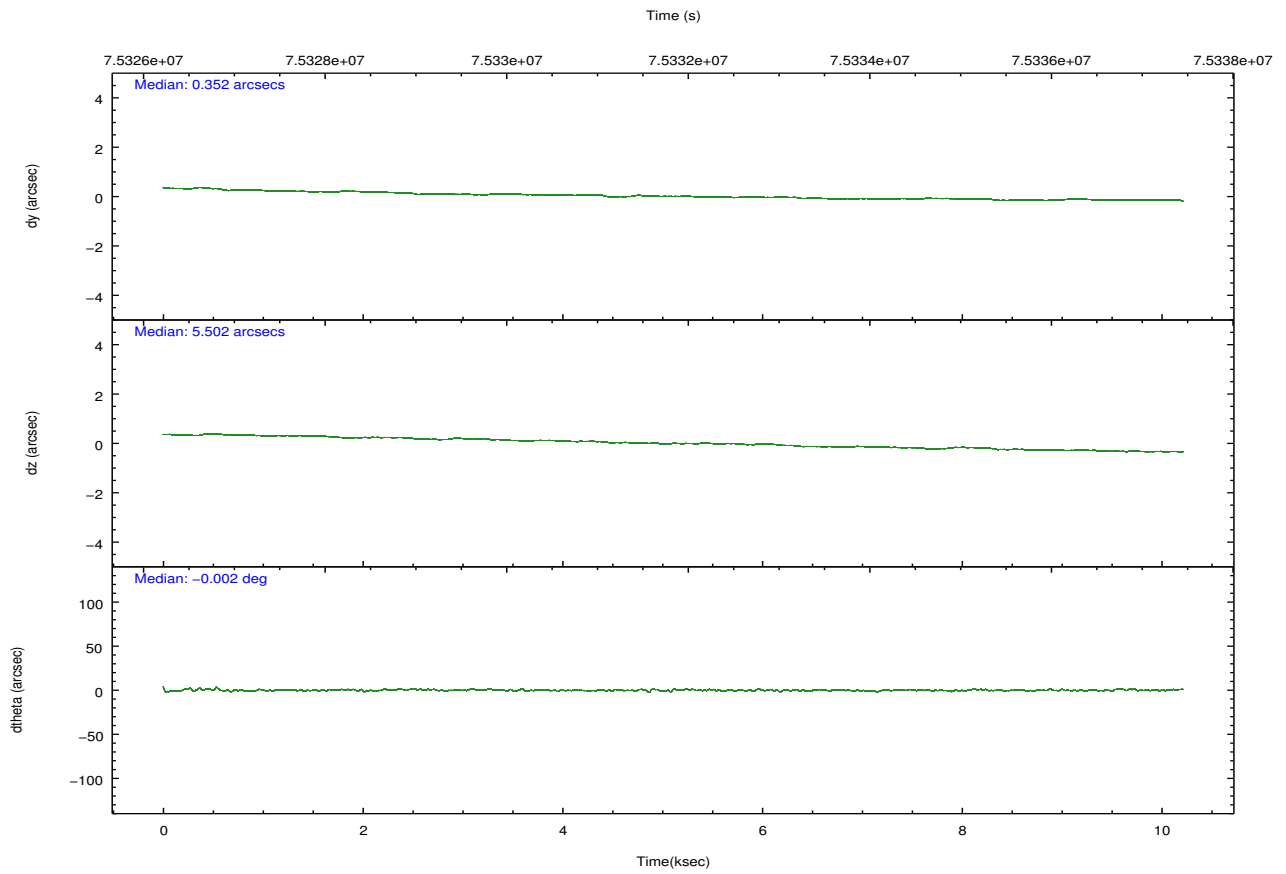
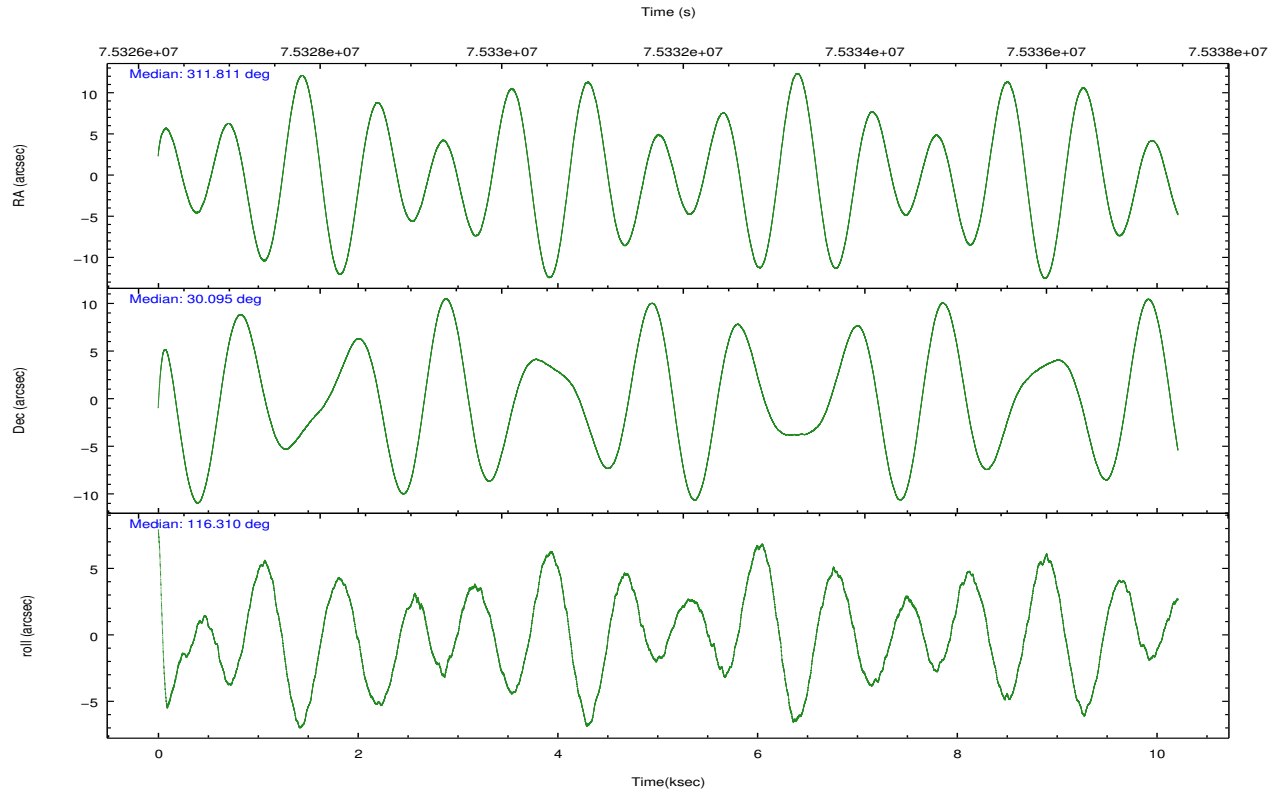
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7	ccd 8		ccd 0	ccd 1	ccd 2	ccd 3	ccd 7	ccd 8
level 1 events	121020	148174	119629	100772	79944	92181	grade 0 events	56653	81187	50979	34143	4686	7457
rejected events	55020	55564	60729	59844	44380	70761		46%	54%	42%	33%	5%	8%
rejected %	45%	37%	50%	59%	55%	76%	grade 1 events	271	348	223	145	71	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	5107	6432	4247	3278	7127	3935
								4%	4%	3%	3%	8%	4%
							grade 3 events	1390	1622	1095	1031	3242	2839
								1%	1%	0%	1%	4%	3%
							grade 4 events	1344	1581	1132	990	3275	2495
								1%	1%	0%	0%	4%	2%
							grade 5 events	2257	2466	2117	2294	7533	3261
								1%	1%	1%	2%	9%	3%
							grade 6 events	1529	1818	1458	1500	17239	4701
								1%	1%	1%	1%	21%	5%
							grade 7 events	52469	52720	58378	57391	36771	67430
								43%	35%	48%	56%	45%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012378	ACIS-012378	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	311.837753	311.8113492702356	Subarray requested	NONE	NONE
[deg] Pointing Dec	30.078973	30.09443378230585	Alternating exposures requested	N	N
[deg] Pointing Roll	116.095499	116.3174331080385	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	75326937.184000	75325943.111939			
Observation start date	2000-05-21T20:07:53	2000-05-21T19:52:23			
[s] Observation end time (MET)	75336937.184000	75337830.037375			
Observation end date	2000-05-21T22:54:33	2000-05-21T23:10:30			
Read mode	TIMED	TIMED			

2.3 Aspect



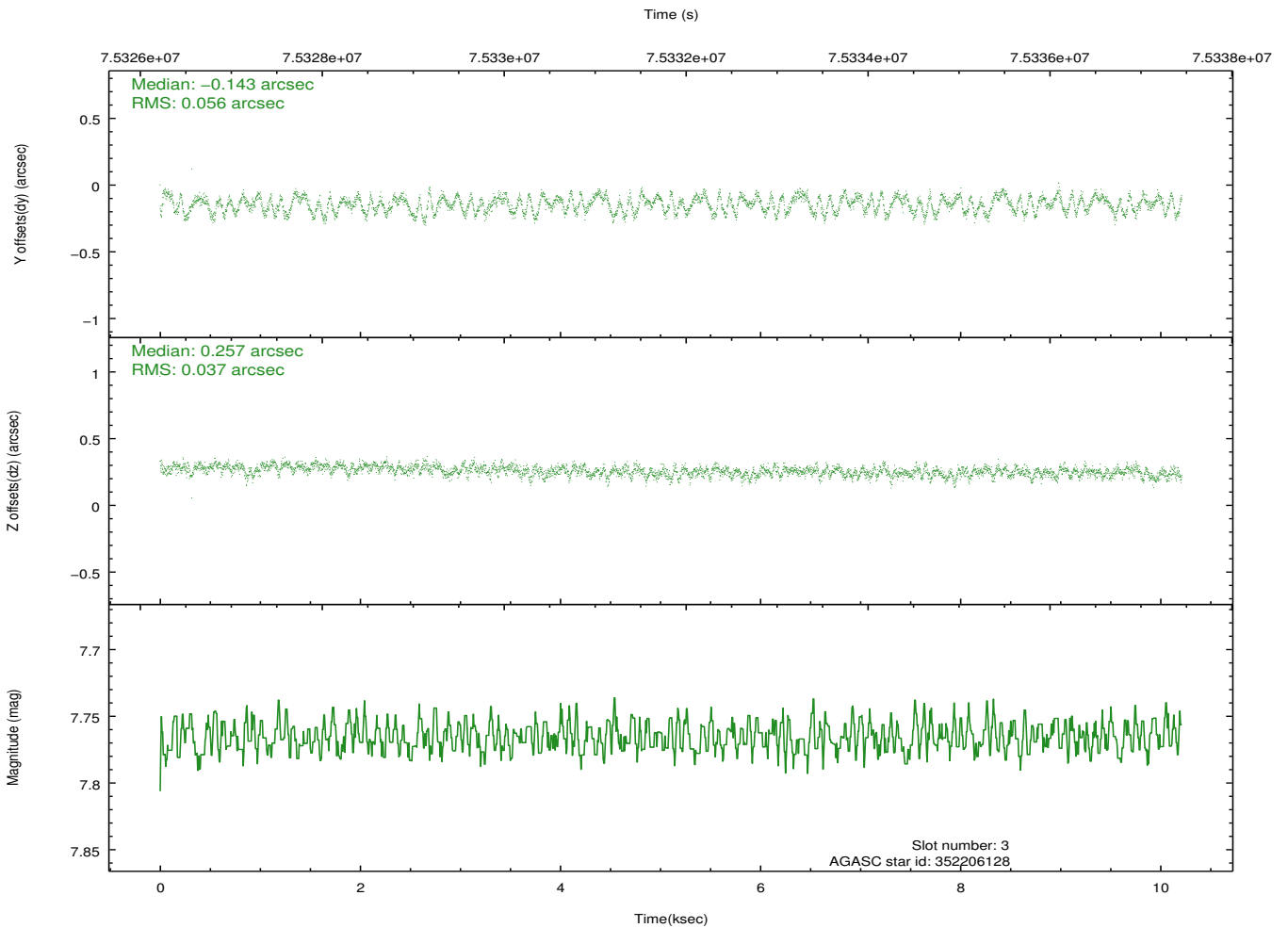
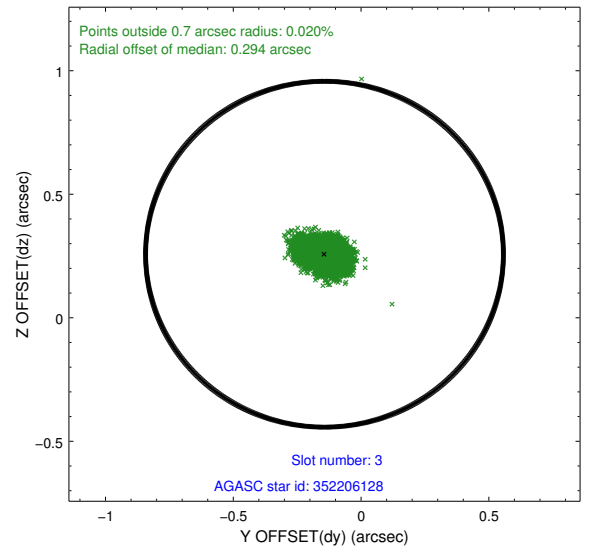
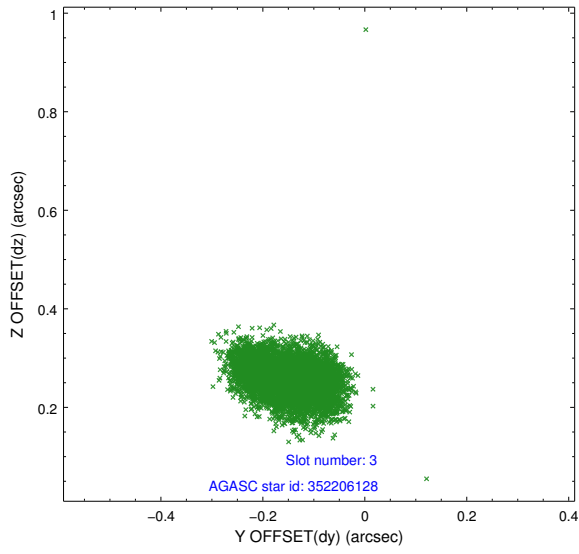


Slot Statistics

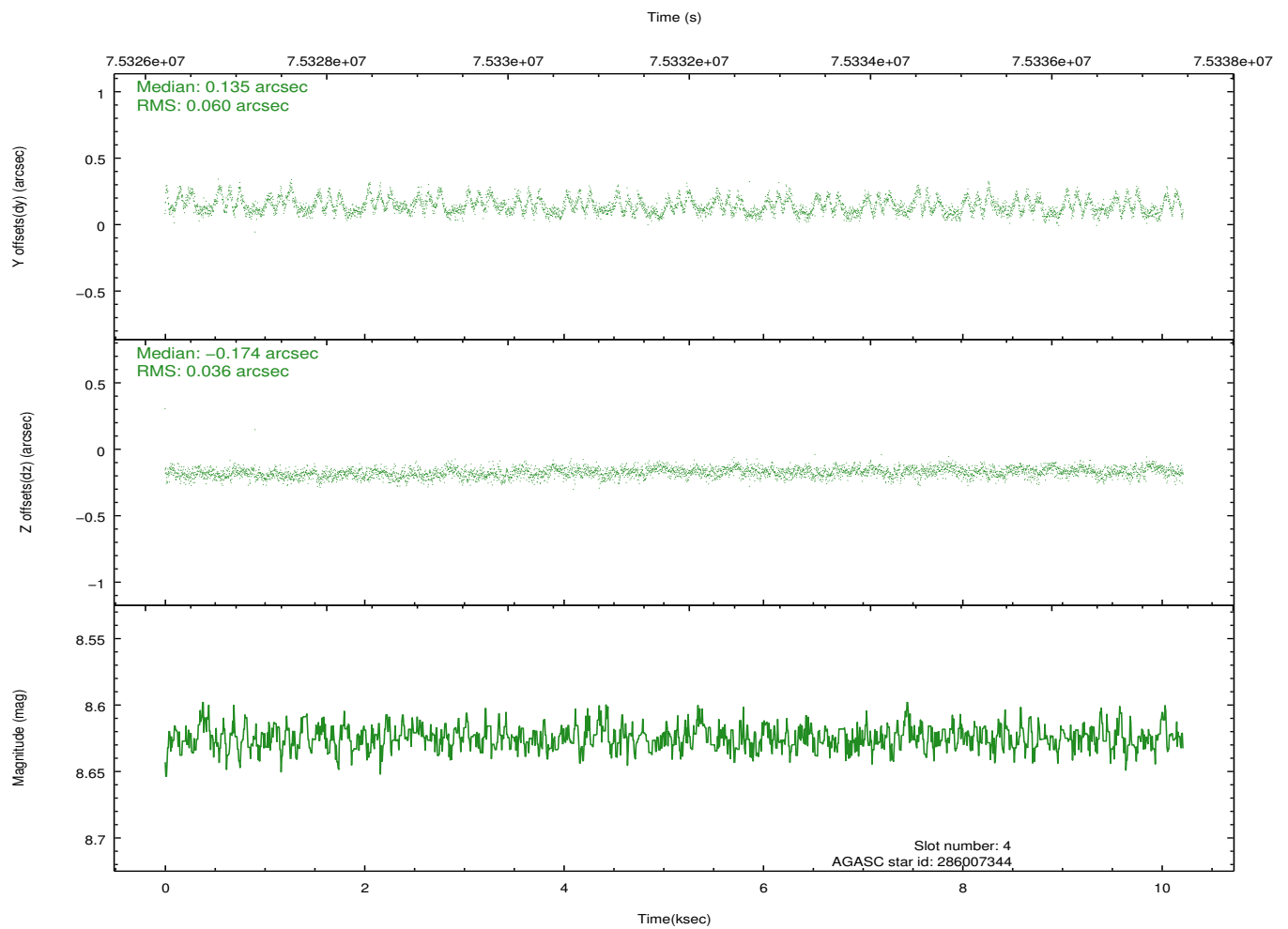
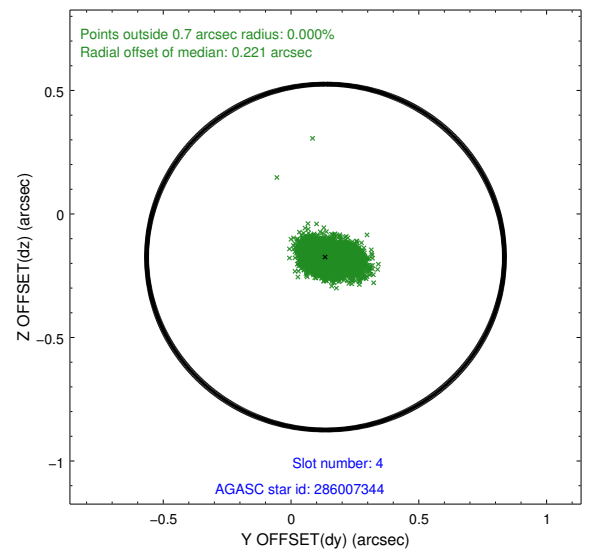
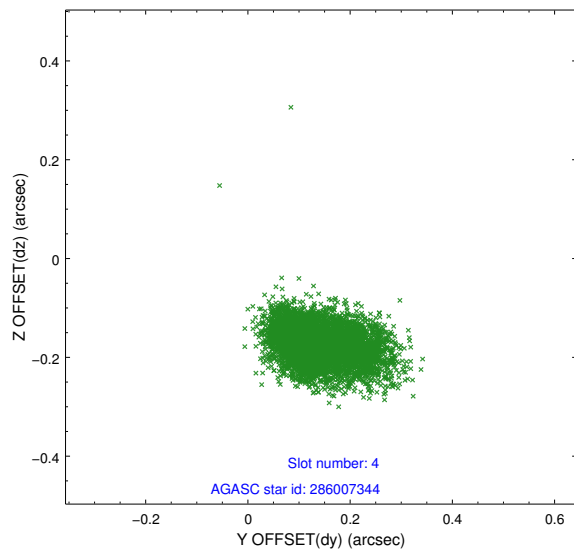
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	2491	-0.039	-0.043	0.012	0.018	0.000000	0.000000	-754.73	-835.28
1	FID	ACIS-I-4	7.19	2490	-0.009	0.041	0.026	0.046	0.000000	0.000000	2159.12	1070.73
2	FID	ACIS-I-5	6.98	2490	-0.049	0.072	0.018	0.033	0.000000	0.000000	-1807.89	1069.19
3	GUIDE	352206128	7.77	4982	-0.143	0.257	0.073	0.111	312.401072	30.650447	1084.00	-2473.35
4	GUIDE	286007344	8.62	4983	0.135	-0.174	0.072	0.122	311.570999	29.555115	-1325.49	1578.42
5	GUIDE	352196192	9.15	4981	-0.055	-0.061	0.081	0.133	311.326871	30.267623	1311.06	1126.61
6	GUIDE	286130248	9.63	4976	0.140	0.113	0.094	0.149	312.681942	29.803348	-2042.05	-1936.17
7	GUIDE	352199648	9.59	4981	-0.079	-0.135	0.101	0.164	311.210573	30.036447	726.08	1819.88

2.4 Star Slots

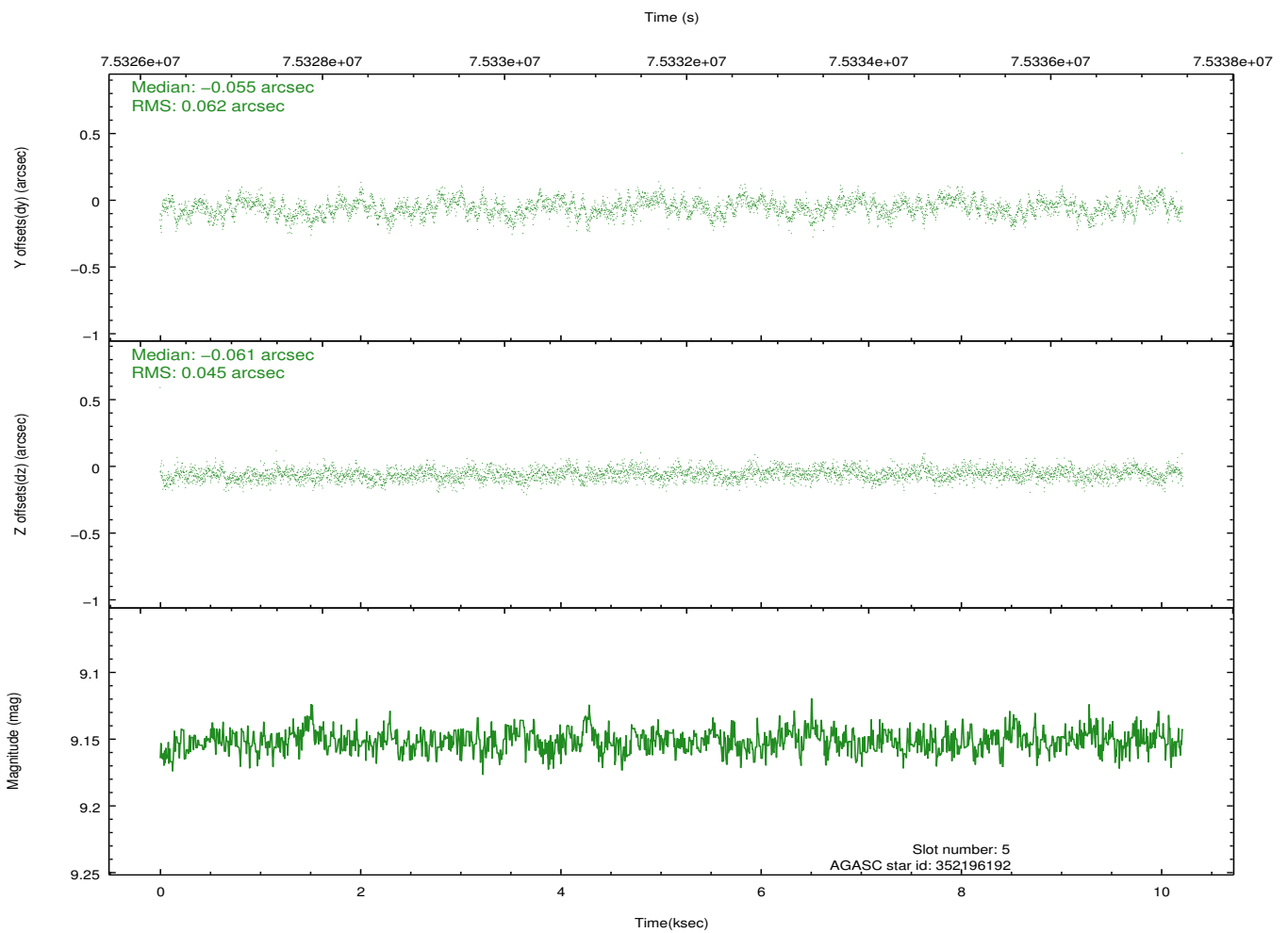
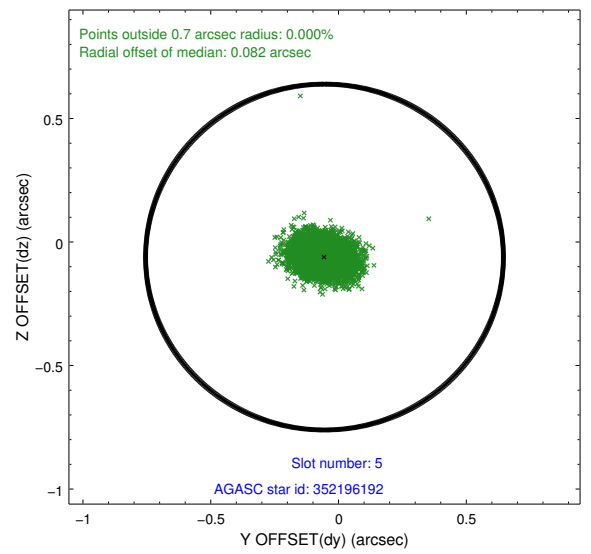
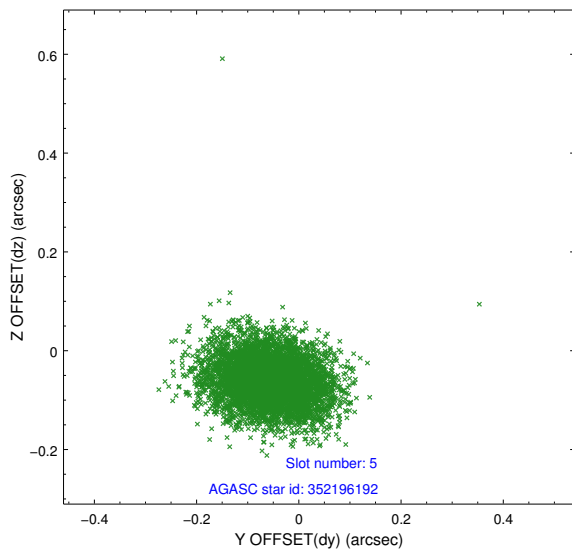
2.4.1 Slot 3



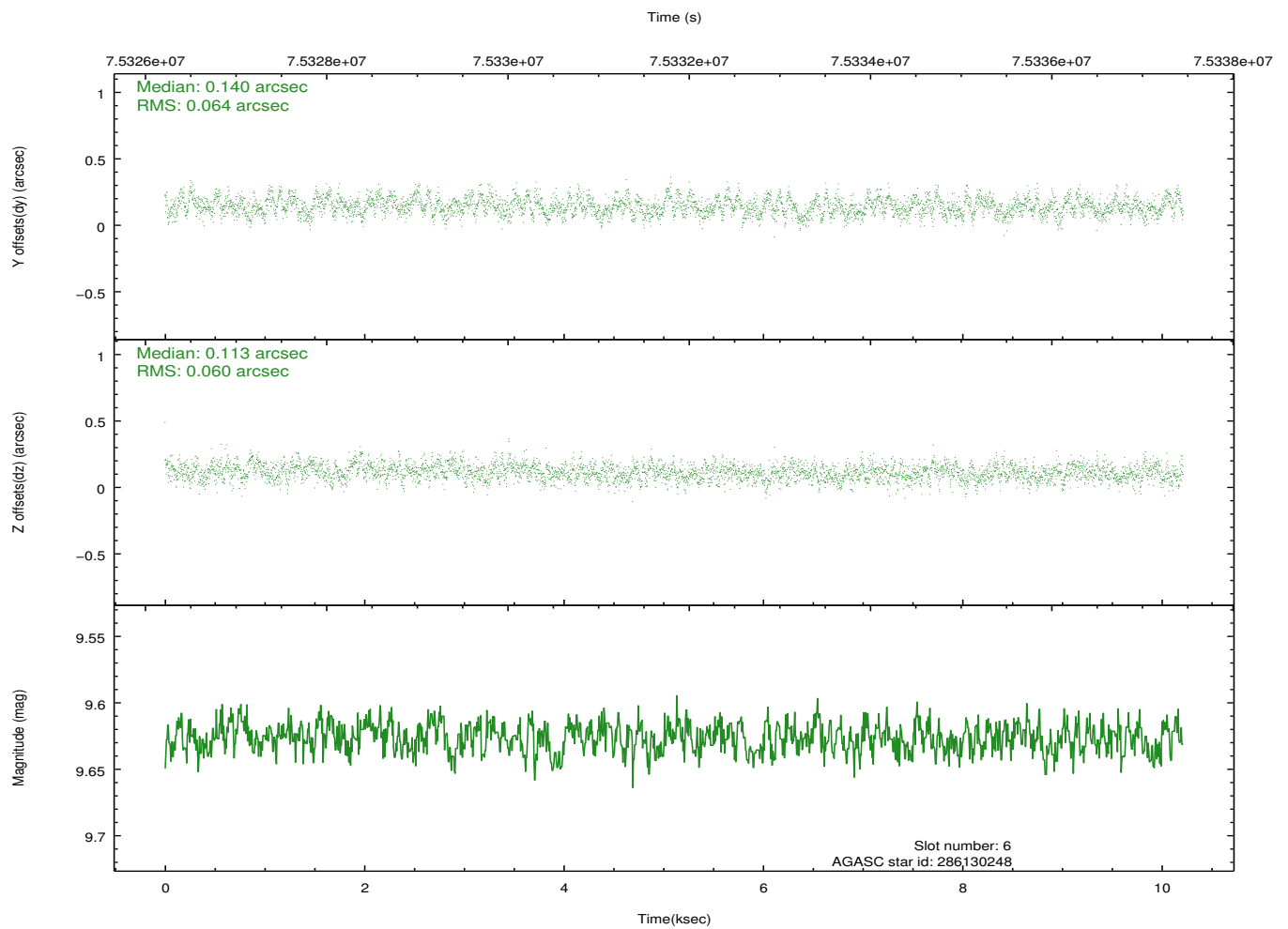
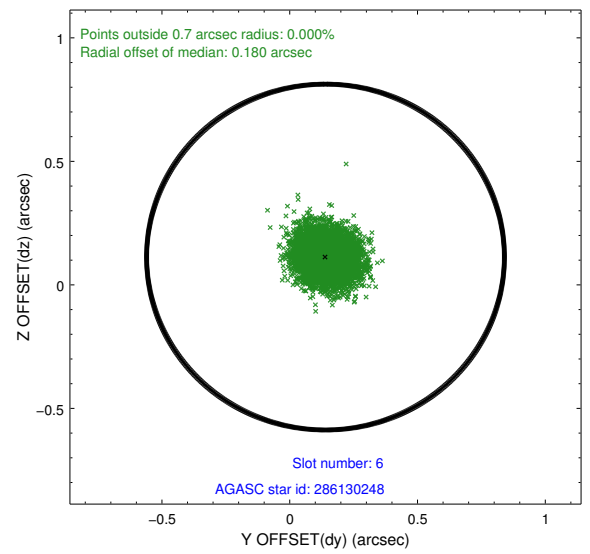
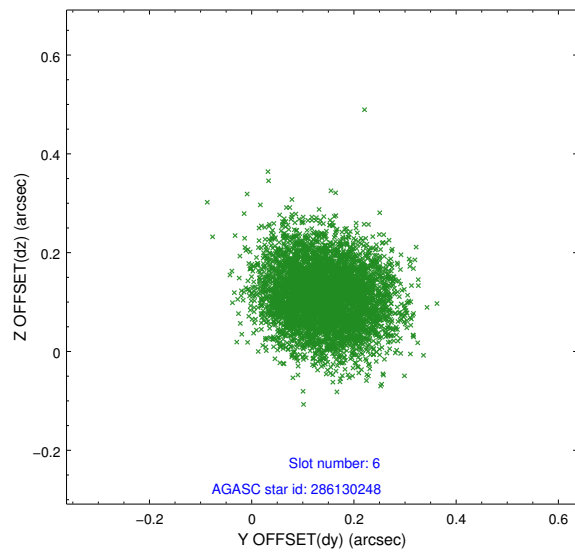
2.4.2 Slot 4



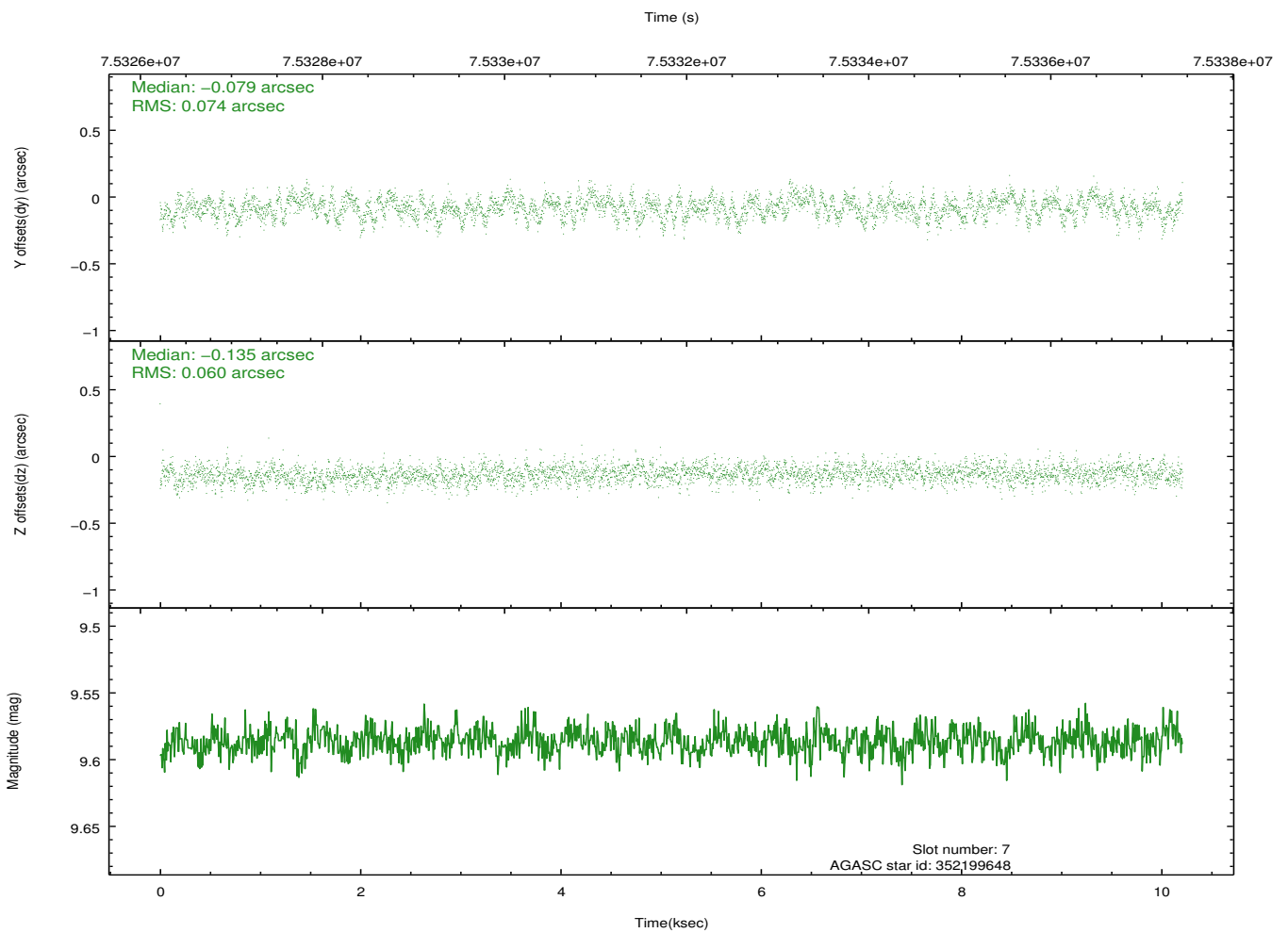
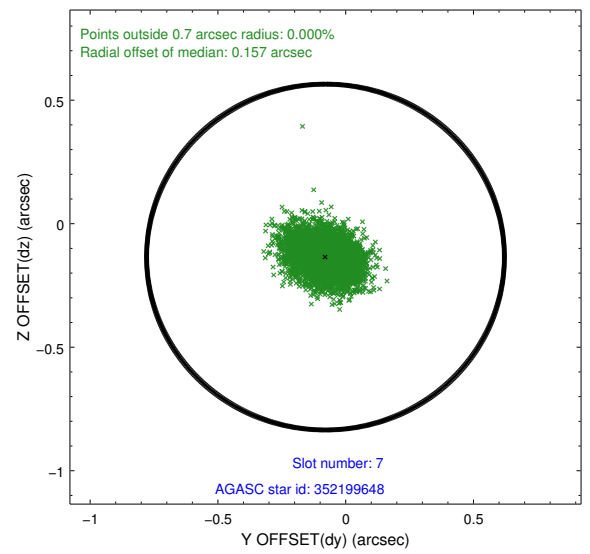
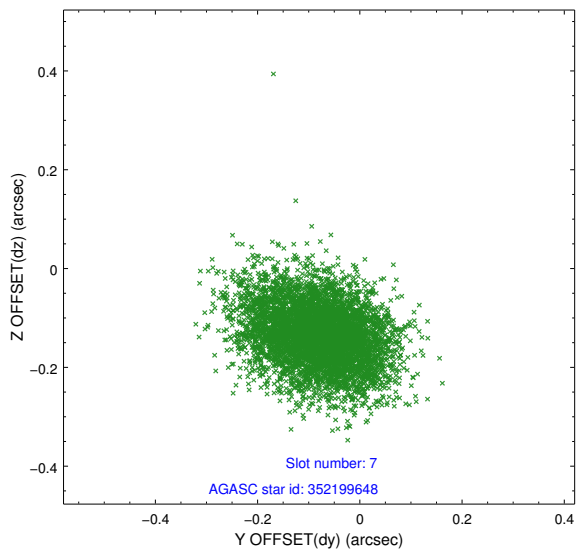
2.4.3 Slot 5



2.4.4 Slot 6

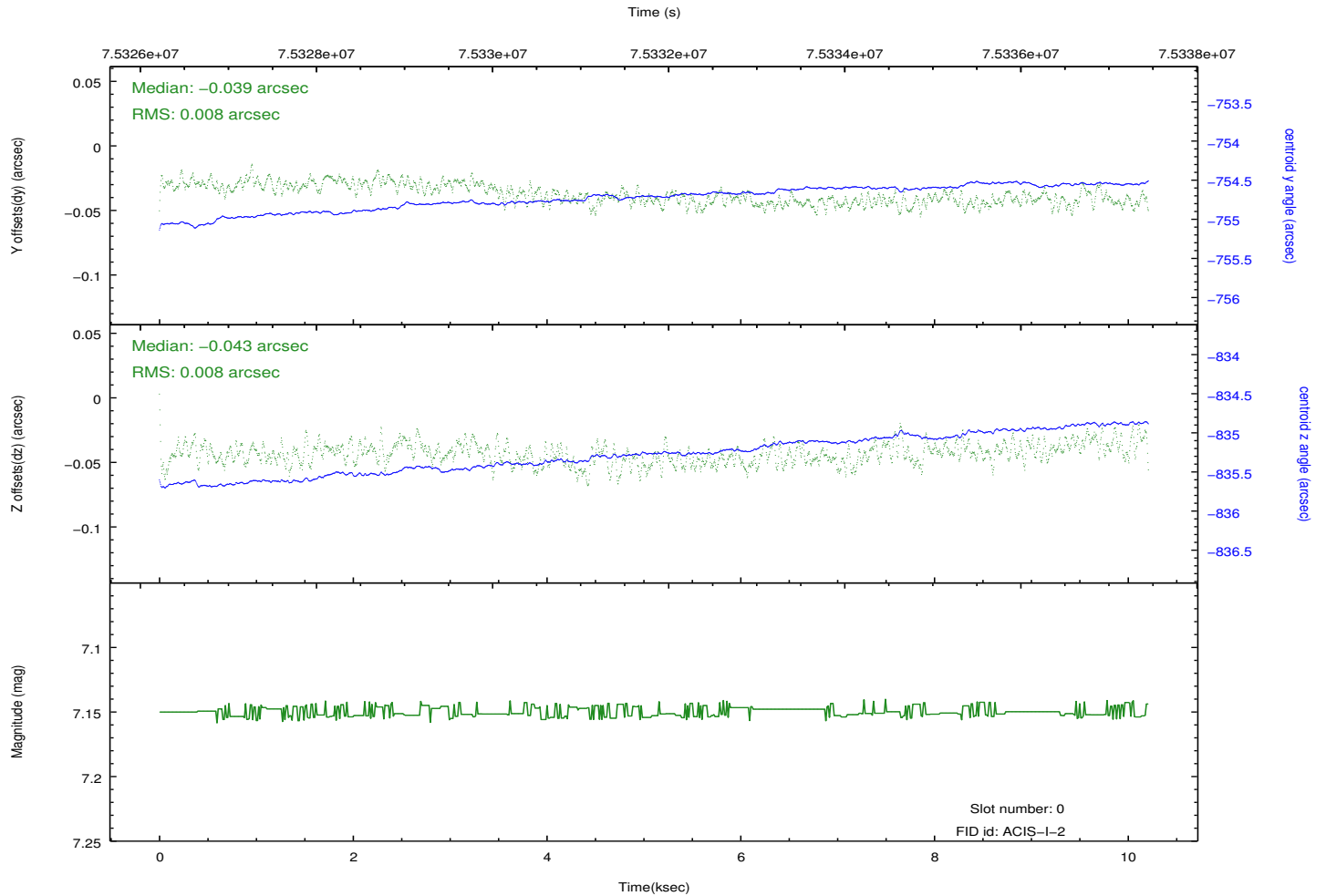
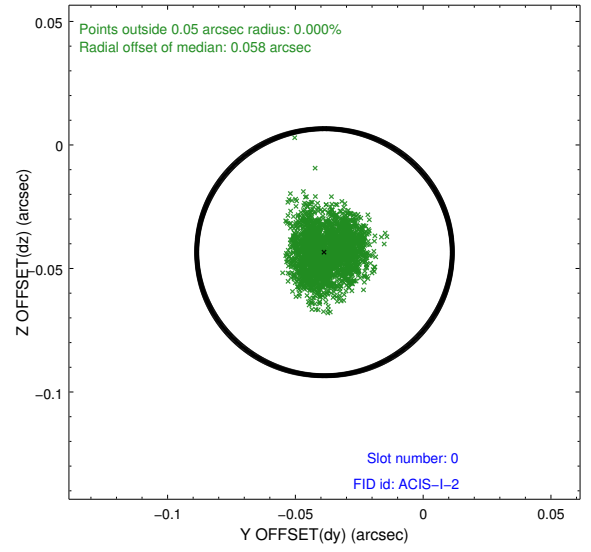
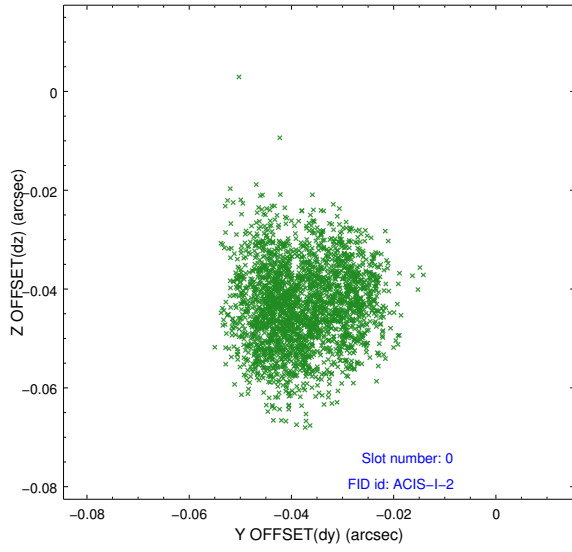


2.4.5 Slot 7

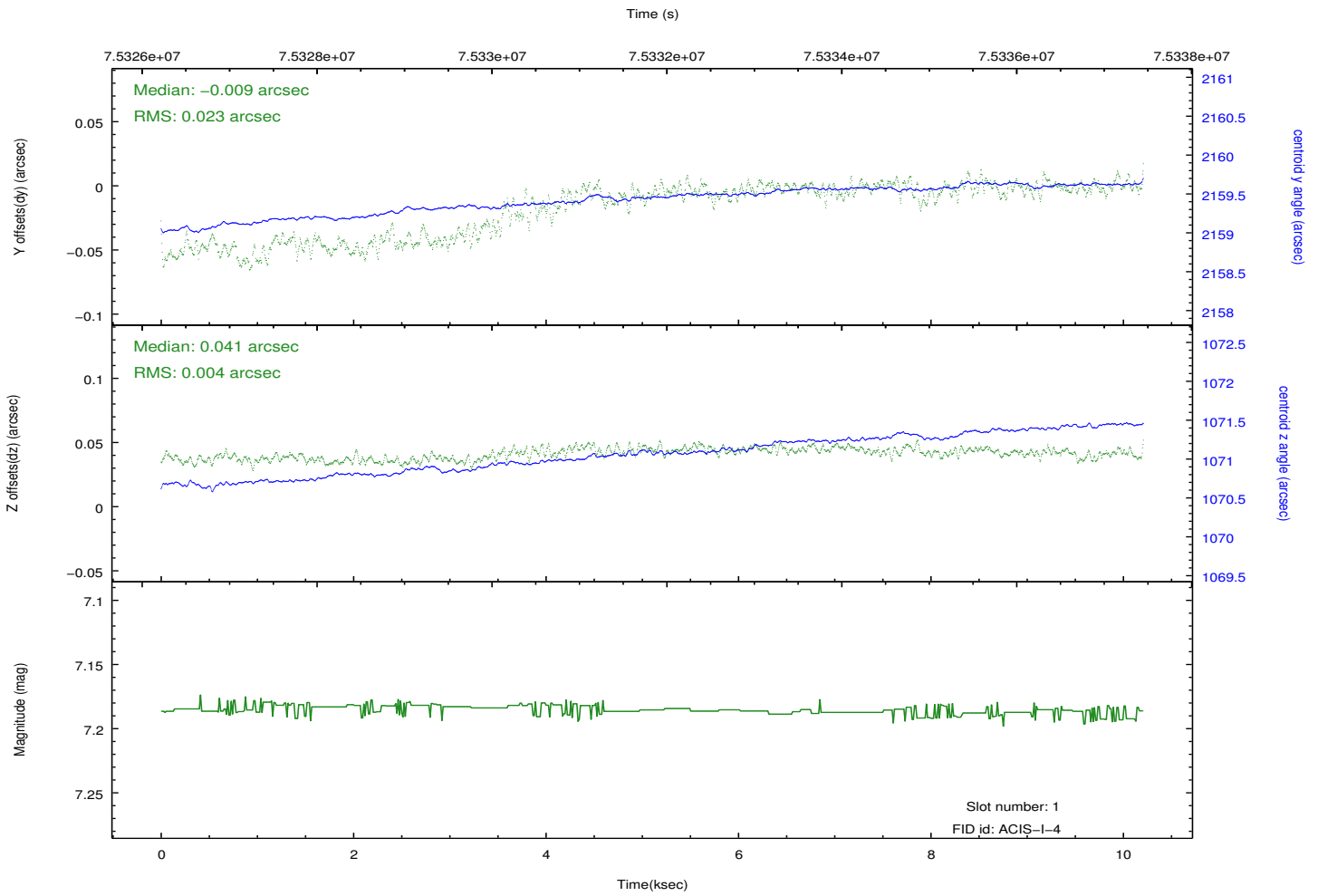
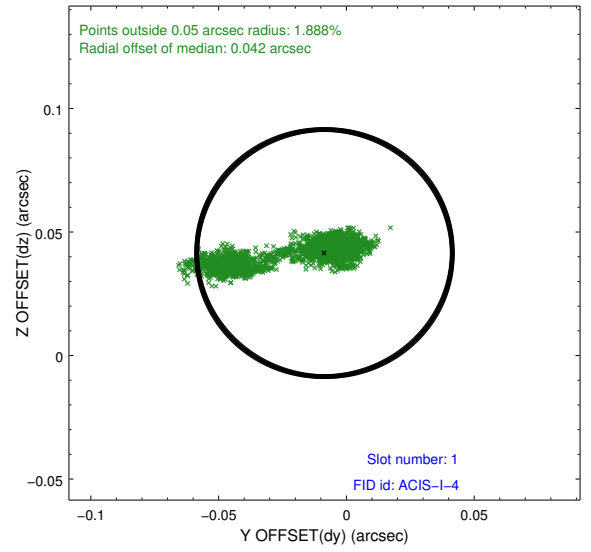
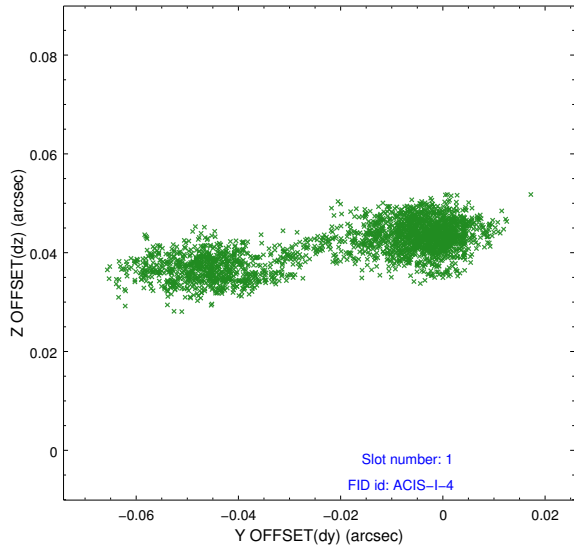


2.5 FID Slots

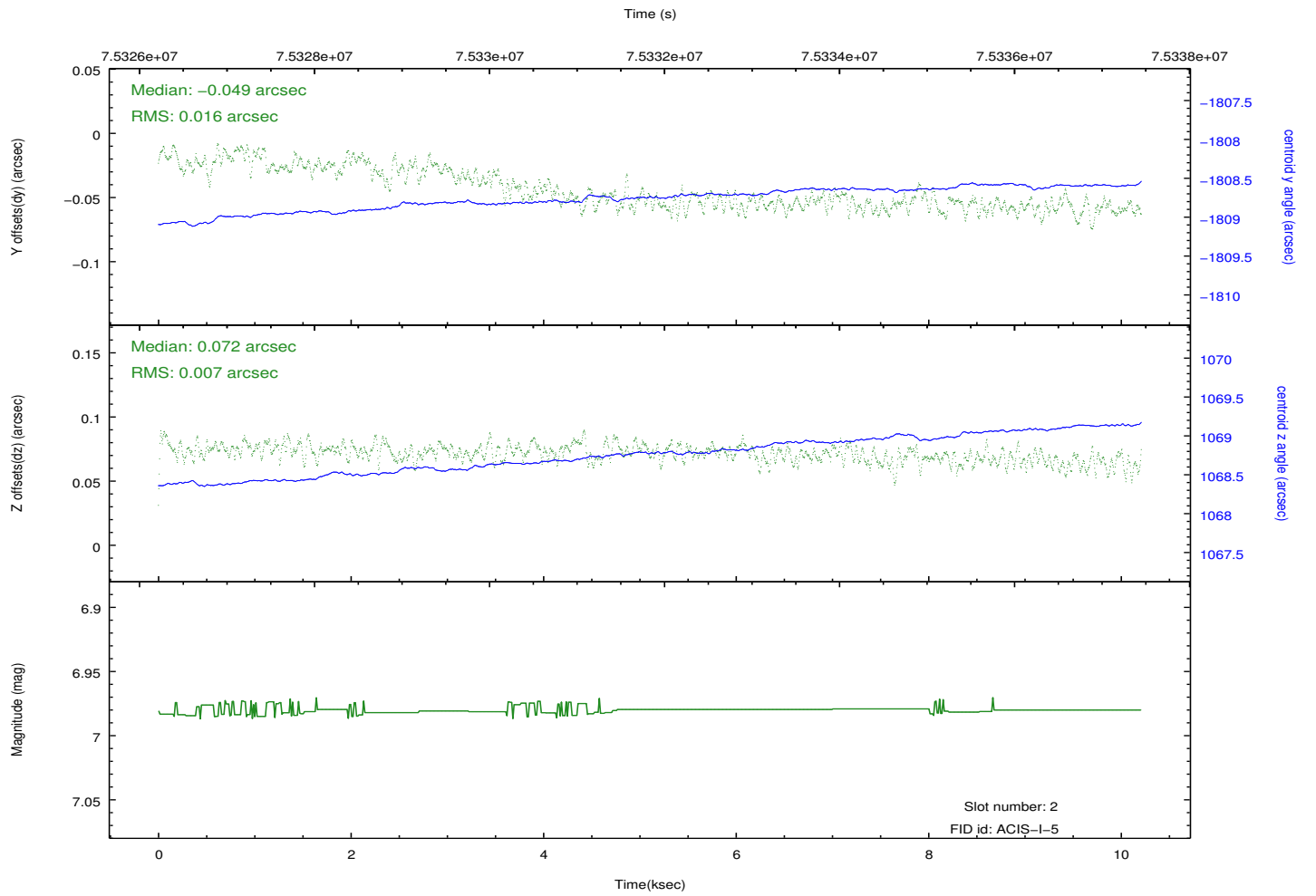
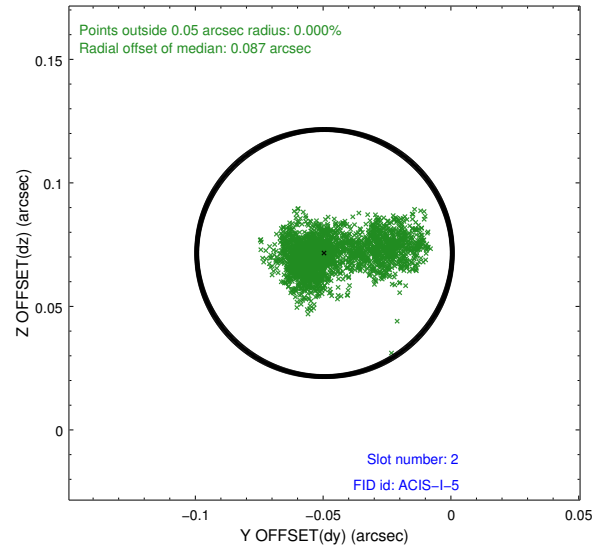
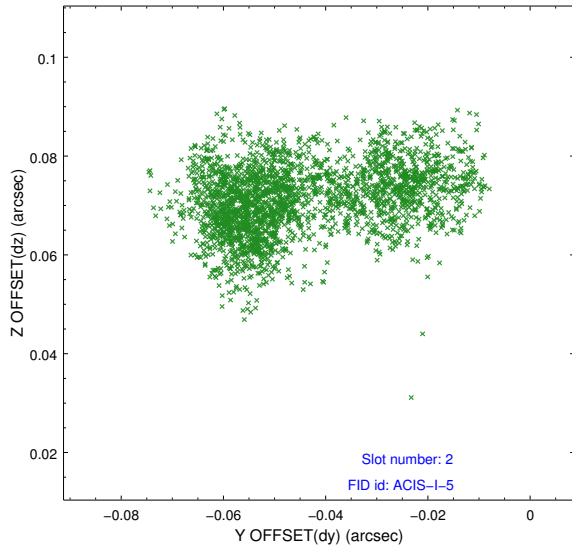
2.5.1 Slot 0



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)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.849

A.2 Comments