

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 405 - L2 Version 4
Chandra X-Ray Center

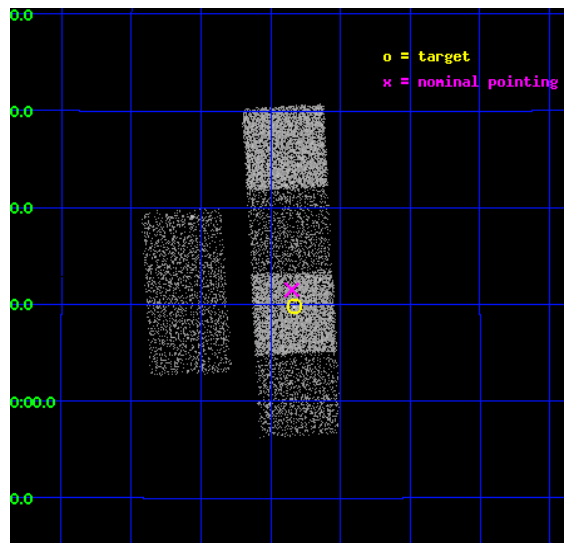
L2 Processing Date : Aug 22 2012

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1 Front

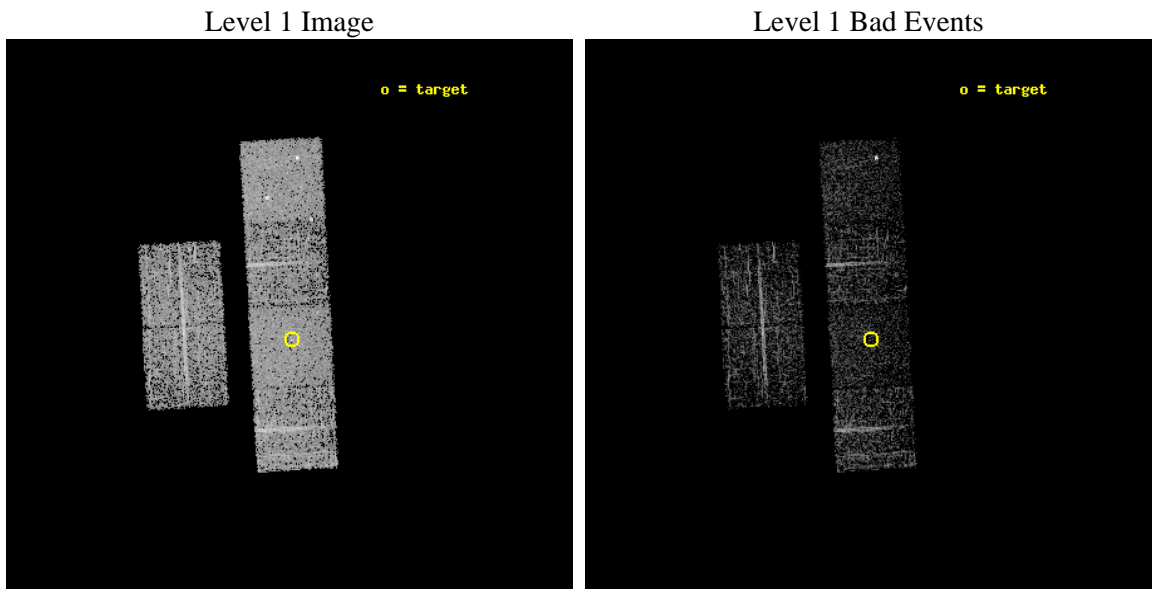
seq_num	700077	Sequence number
obs_id	405	Observation id
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal
observer	Professor Gordon Garmire	Principal investigator
object	NGC 4569	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	189.208333	Observer's specified target RA [deg]
dec_targ	13.162778	Observer's specified target Dec [deg]
ra_nom	189.21197001857	Nominal RA [deg]
dec_nom	13.191993734713	Nominal Dec [deg]
roll_nom	86.924275413657	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1708.8000015765	Sum of GTIs [s]
livetime	1687.1621470407	Livetime [s]
ontime2	1708.8000015765	Sum of GTIs [s]
ontime3	1708.8000015765	Sum of GTIs [s]
ontime5	1708.8000015765	Sum of GTIs [s]
ontime6	1708.8000015765	Sum of GTIs [s]
ontime7	1708.8000015765	Sum of GTIs [s]
ontime8	1708.8000015765	Sum of GTIs [s]
l2events	19122	Number of level 2 events



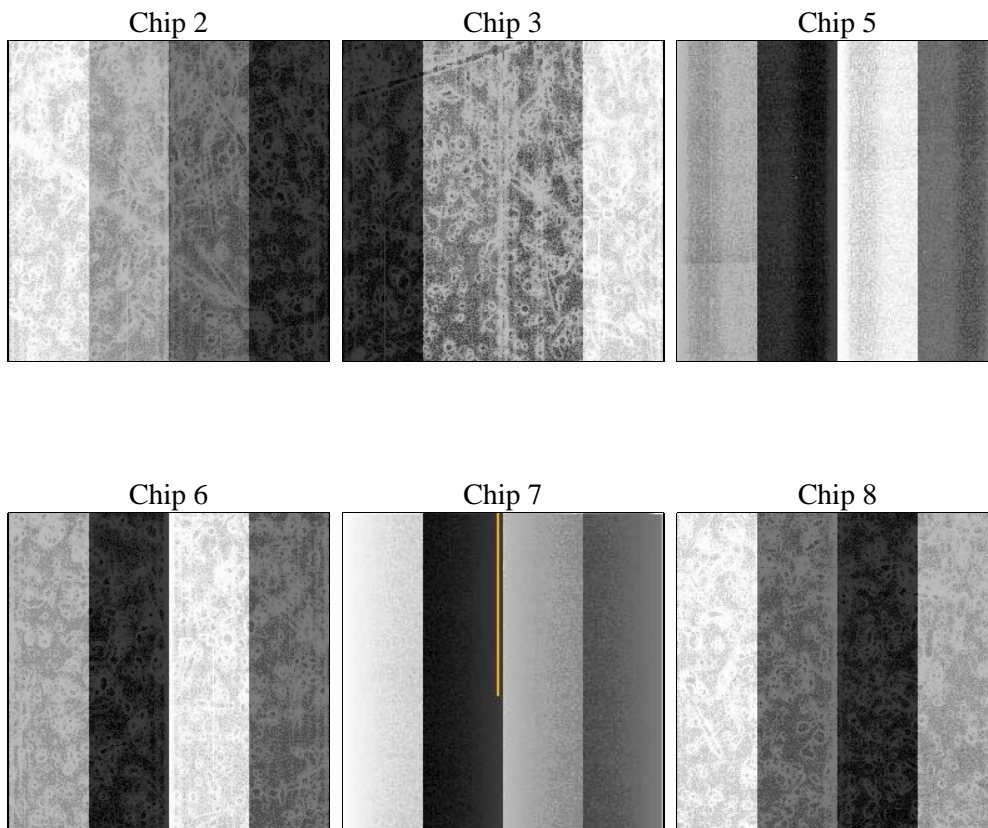
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2660.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1708.8000015765	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	1708.8000015765	Sum of GTIs [s]
date	2012-08-22T19:11:55	Date and time of file creation	ontime3	1708.8000015765	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1708.8000015765	Sum of GTIs [s]
			ontime6	1708.8000015765	Sum of GTIs [s]
			ontime7	1708.8000015765	Sum of GTIs [s]
			ontime8	1708.8000015765	Sum of GTIs [s]
			l1events	88201	Number of level 1 events

2.1.4 Events

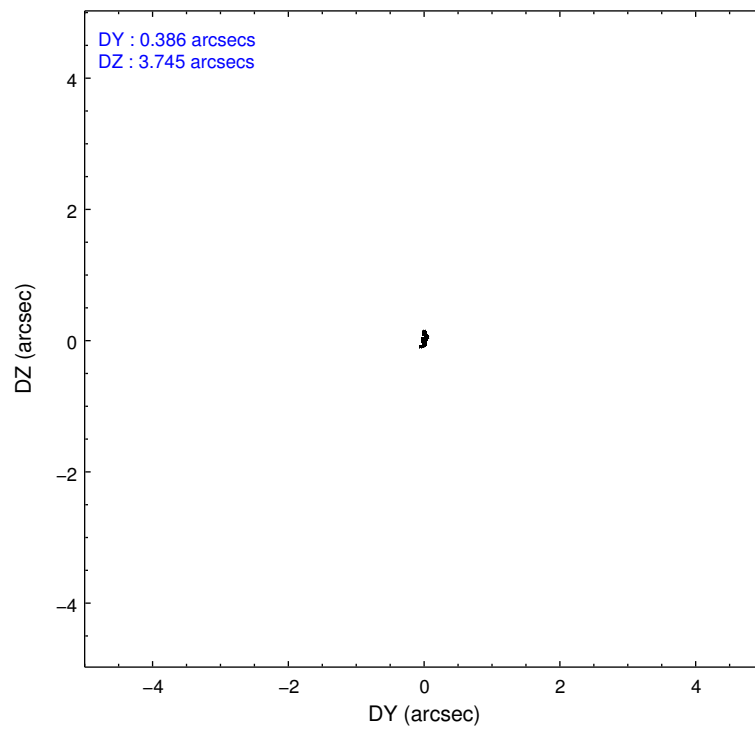
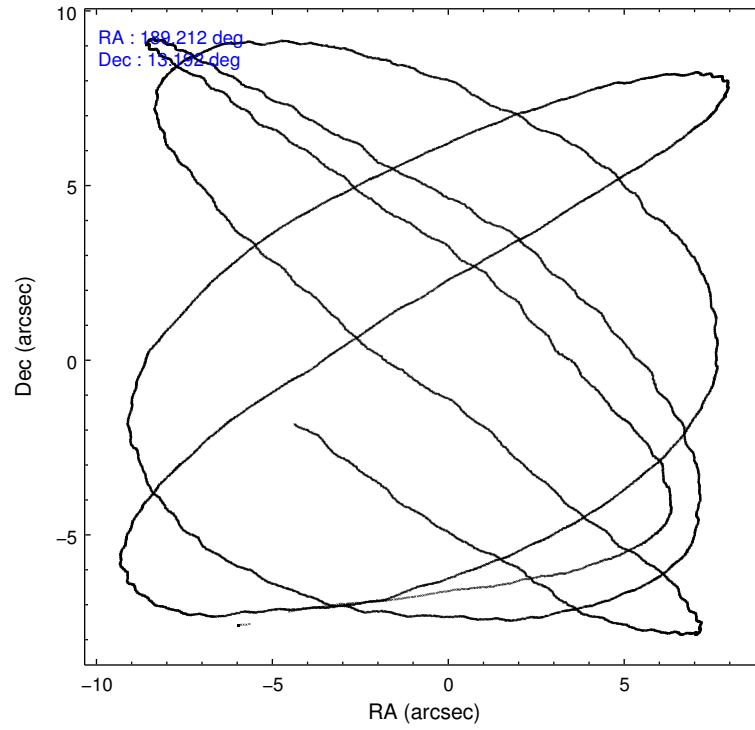
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	13940	12694	17417	12527	15237	16386
rejected events	12450	11347	9193	11073	8373	13297
rejected %	89%	89%	52%	88%	54%	81%

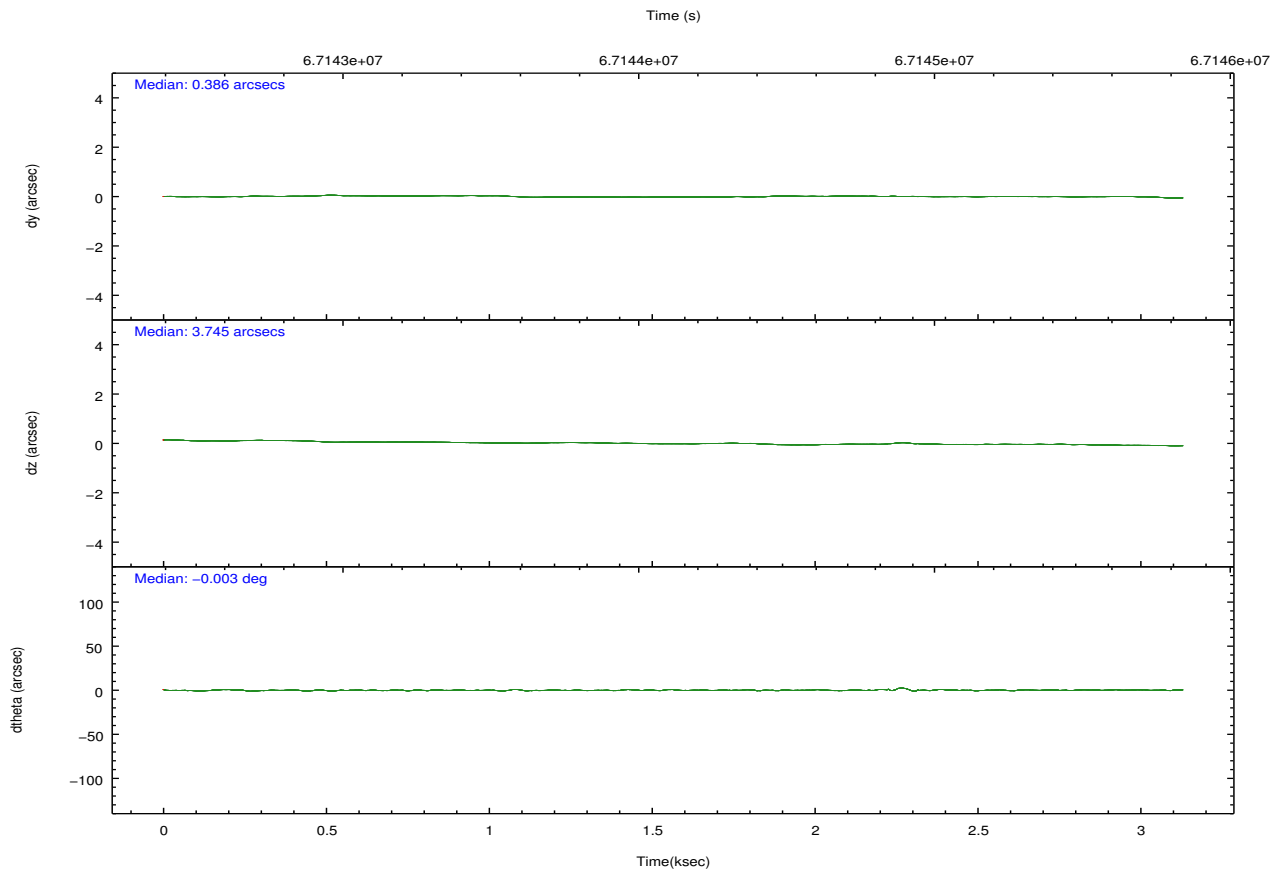
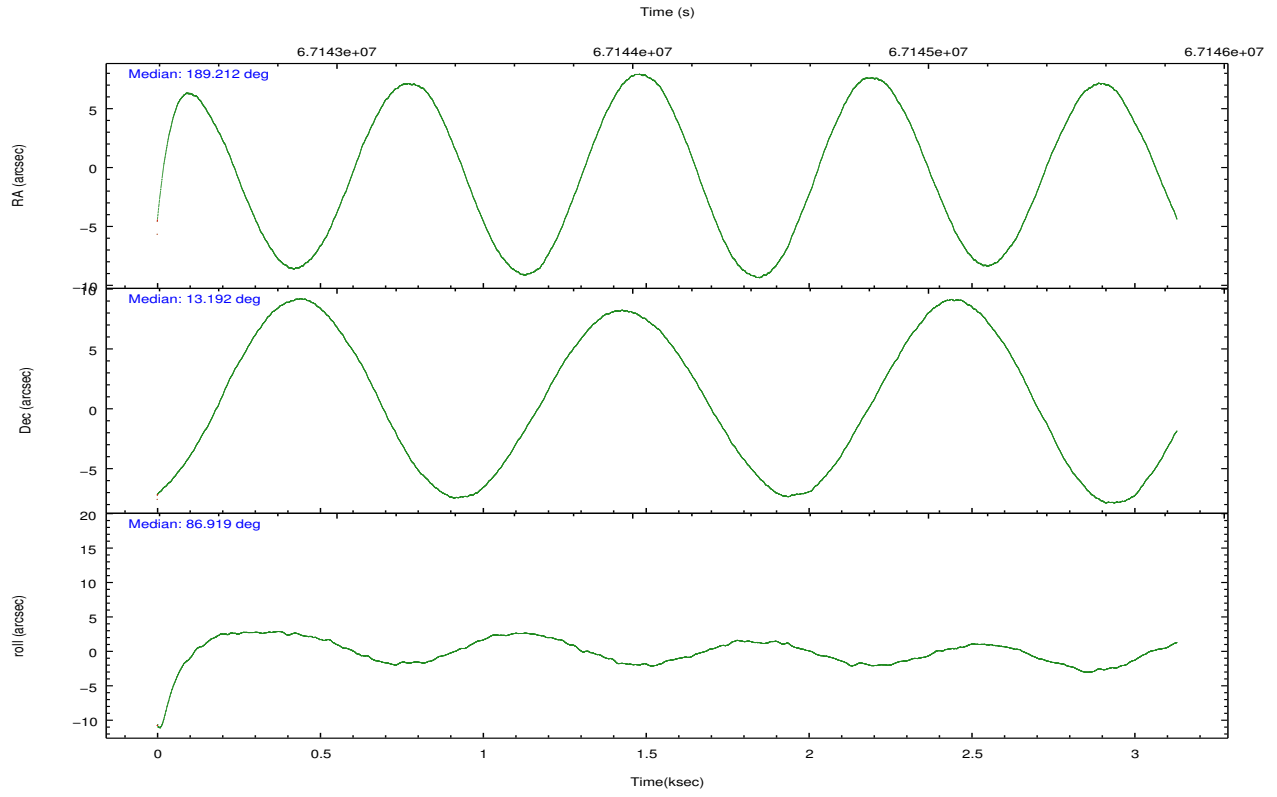
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	680	571	1225	643	821	1051
	4%	4%	7%	5%	5%	6%
grade 1 events	5	6	25	8	11	8
	0%	0%	0%	0%	0%	0%
grade 2 events	302	264	2363	286	1335	649
	2%	2%	13%	2%	8%	3%
grade 3 events	143	135	378	136	698	296
	1%	1%	2%	1%	4%	1%
grade 4 events	127	153	378	154	649	297
	0%	1%	2%	1%	4%	1%
grade 5 events	392	408	1306	449	1464	600
	2%	3%	7%	3%	9%	3%
grade 6 events	245	227	3904	240	3386	804
	1%	1%	22%	1%	22%	4%
grade 7 events	12046	10930	7838	10611	6873	12681
	86%	86%	45%	84%	45%	77%

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	189.224730	189.2119700185689	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.167548	13.19199373471269	Alternating exposures requested	N	N
[deg] Pointing Roll	86.764779	86.92427541365693	[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)	67143022.184000	67141535.058366			
Observation start date	2000-02-17T02:49:18	2000-02-17T02:25:35			
[s] Observation end time (MET)	67145682.184000	67146097.33353201			
Observation end date	2000-02-17T03:33:38	2000-02-17T03:41:37			
Read mode	TIMED	TIMED			

2.3 Aspect



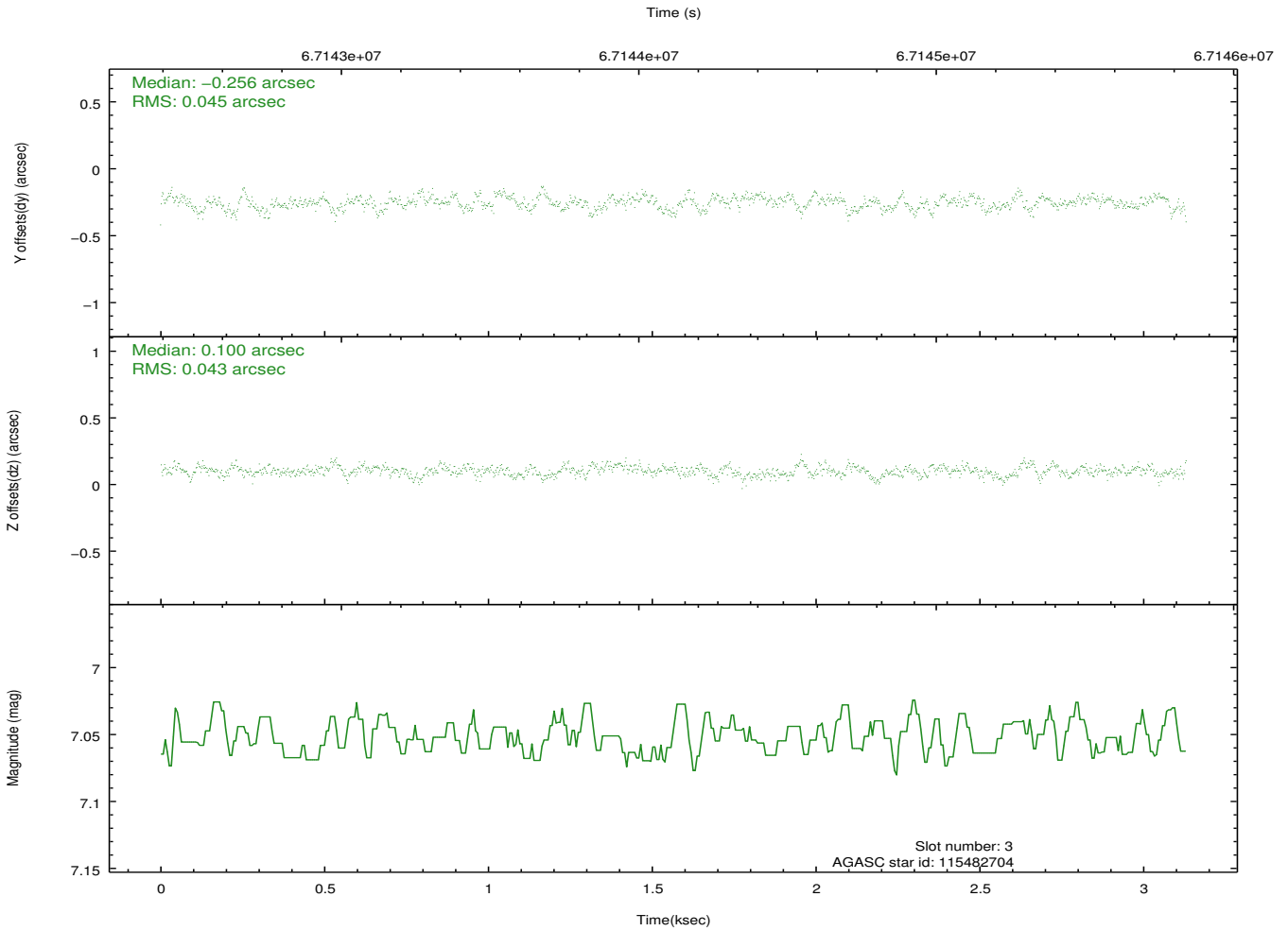
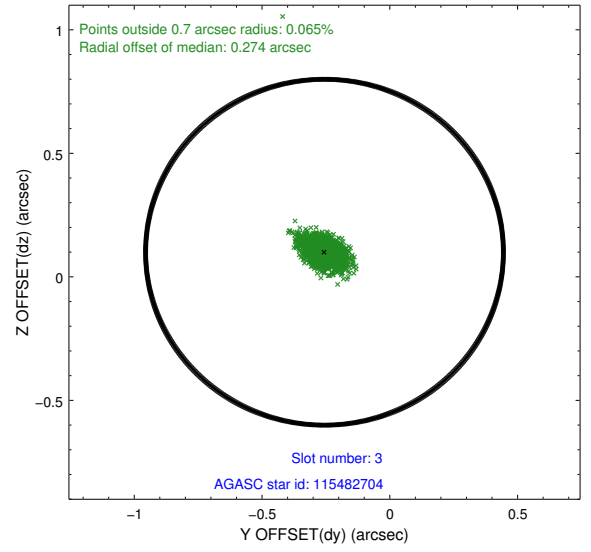
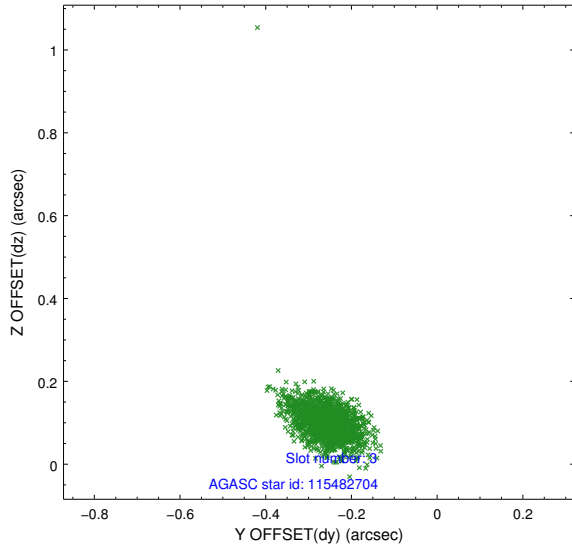


Slot Statistics

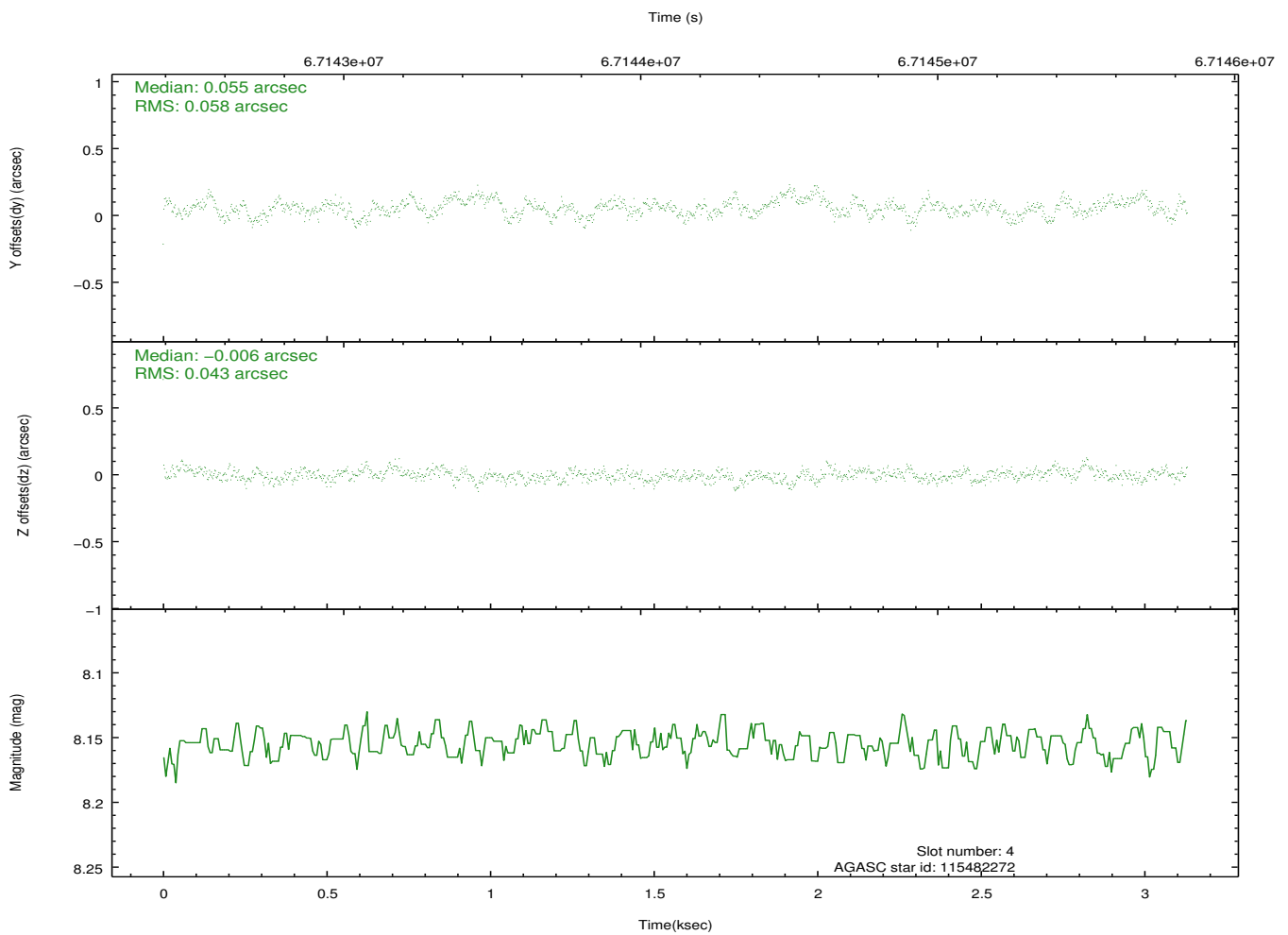
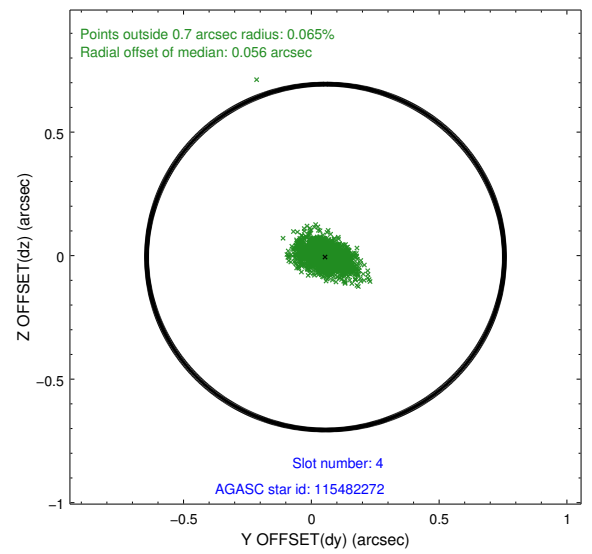
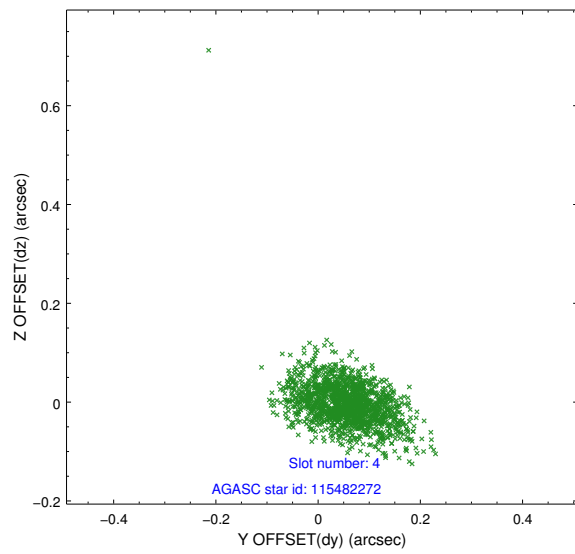
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	764	-0.007	-0.014	0.007	0.011	0.000000	0.000000	-753.01	-1724.83
1	FID	ACIS-S-4	7.21	764	0.021	0.007	0.005	0.010	0.000000	0.000000	2159.43	181.51
2	FID	ACIS-S-5	7.23	764	-0.045	0.016	0.007	0.012	0.000000	0.000000	-1803.22	177.61
3	GUIDE	115482704	7.05	1528	-0.256	0.100	0.060	0.103	189.646201	13.805457	2377.00	-1339.94
4	GUIDE	115482272	8.15	1528	0.055	-0.006	0.073	0.123	189.342268	12.983616	-636.21	-448.69
5	GUIDE	115481912	8.58	1527	0.142	0.027	0.064	0.104	189.408526	12.669552	-1753.60	-744.87
6	GUIDE	115349088	9.31	1528	0.069	-0.133	0.082	0.133	188.777694	12.938966	-910.06	1520.19
7	GUIDE	115480856	9.50	1509	-0.016	0.016	0.106	0.165	189.753911	13.787708	2334.79	-1718.71

2.4 Star Slots

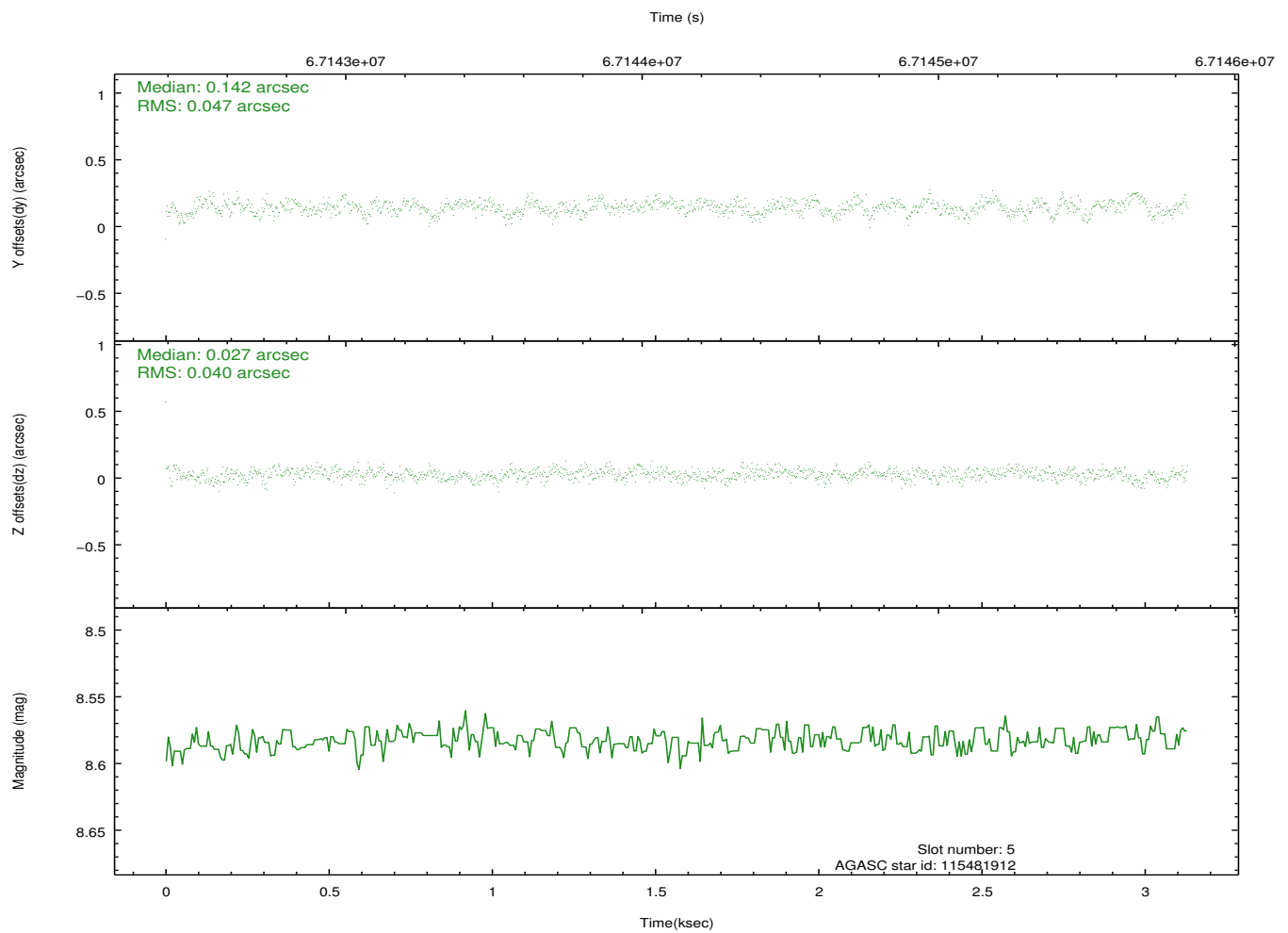
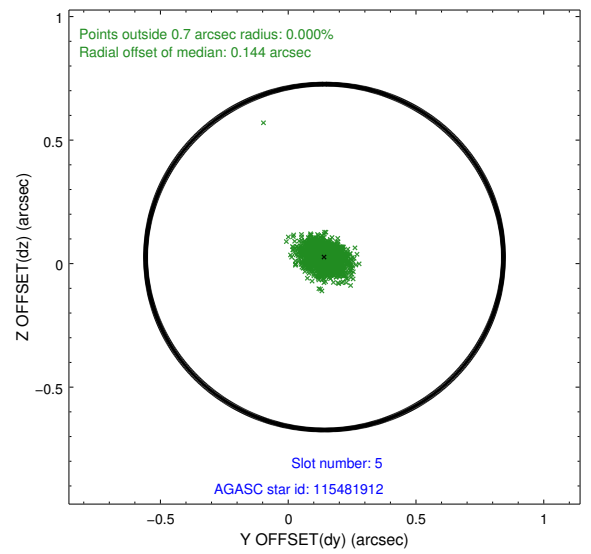
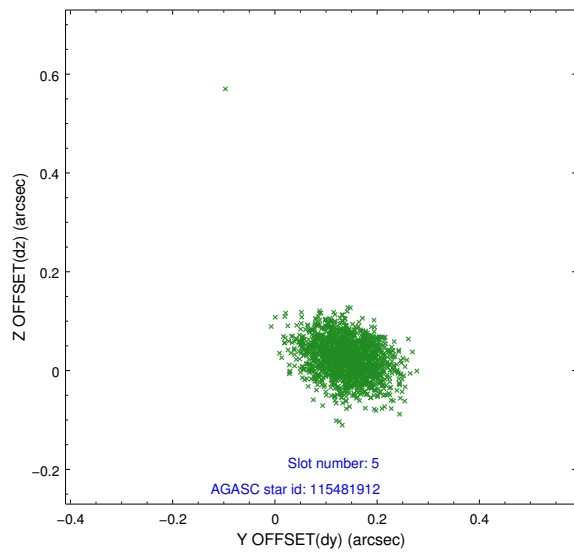
2.4.1 Slot 3



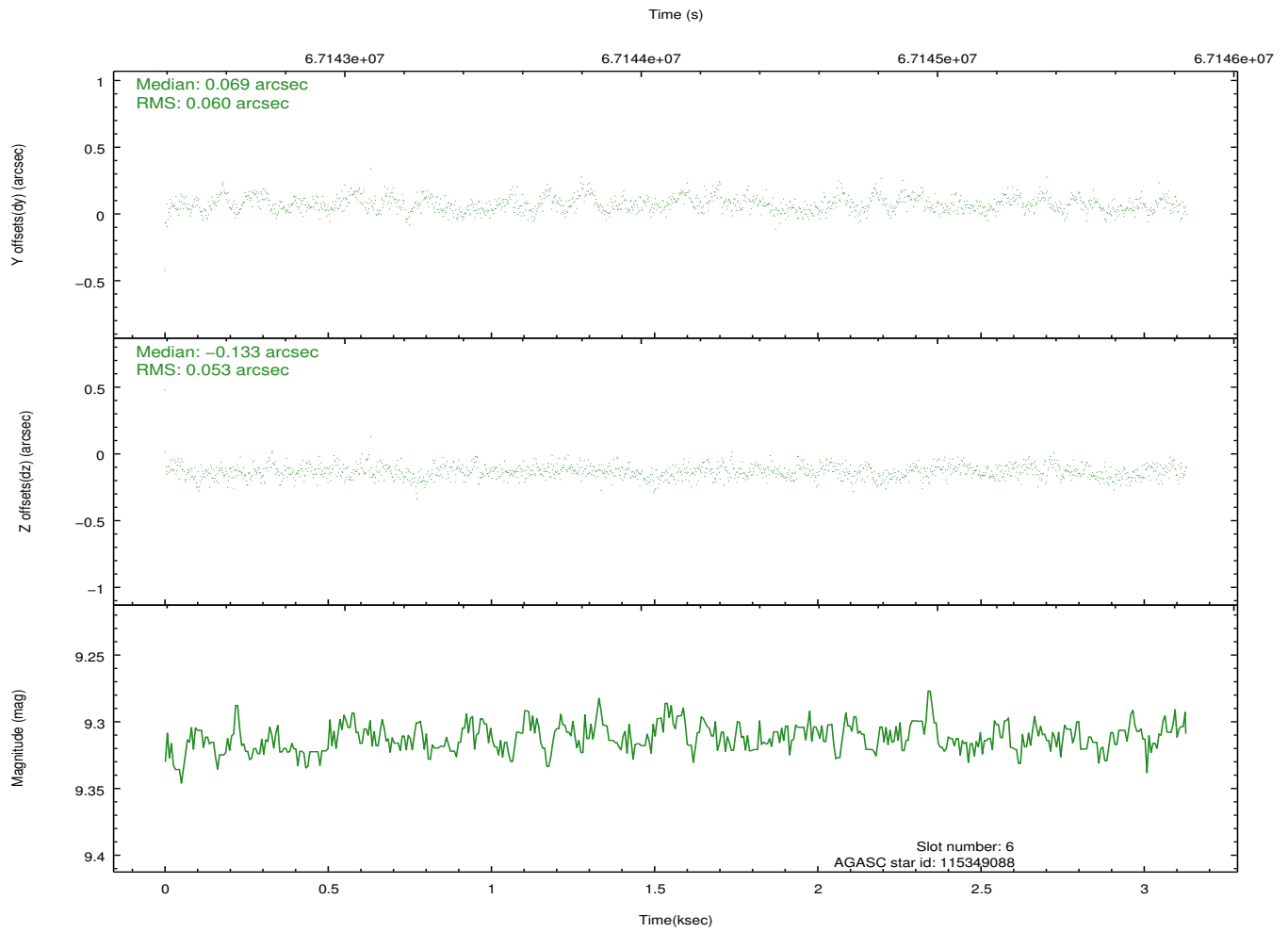
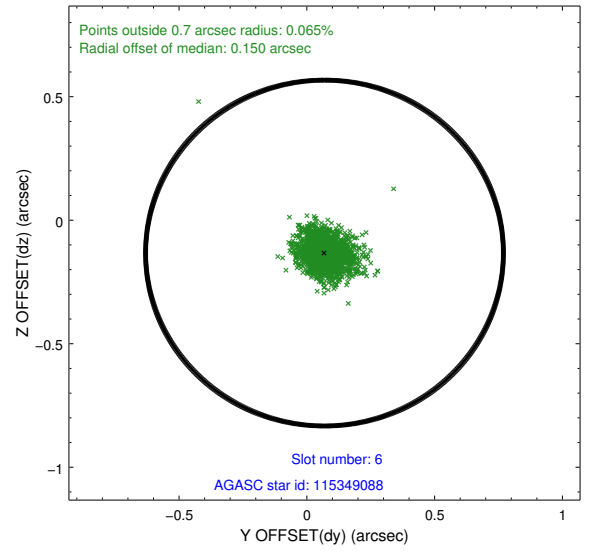
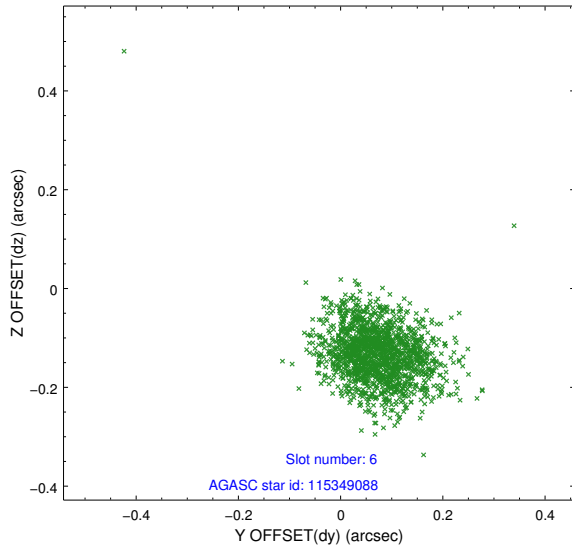
2.4.2 Slot 4



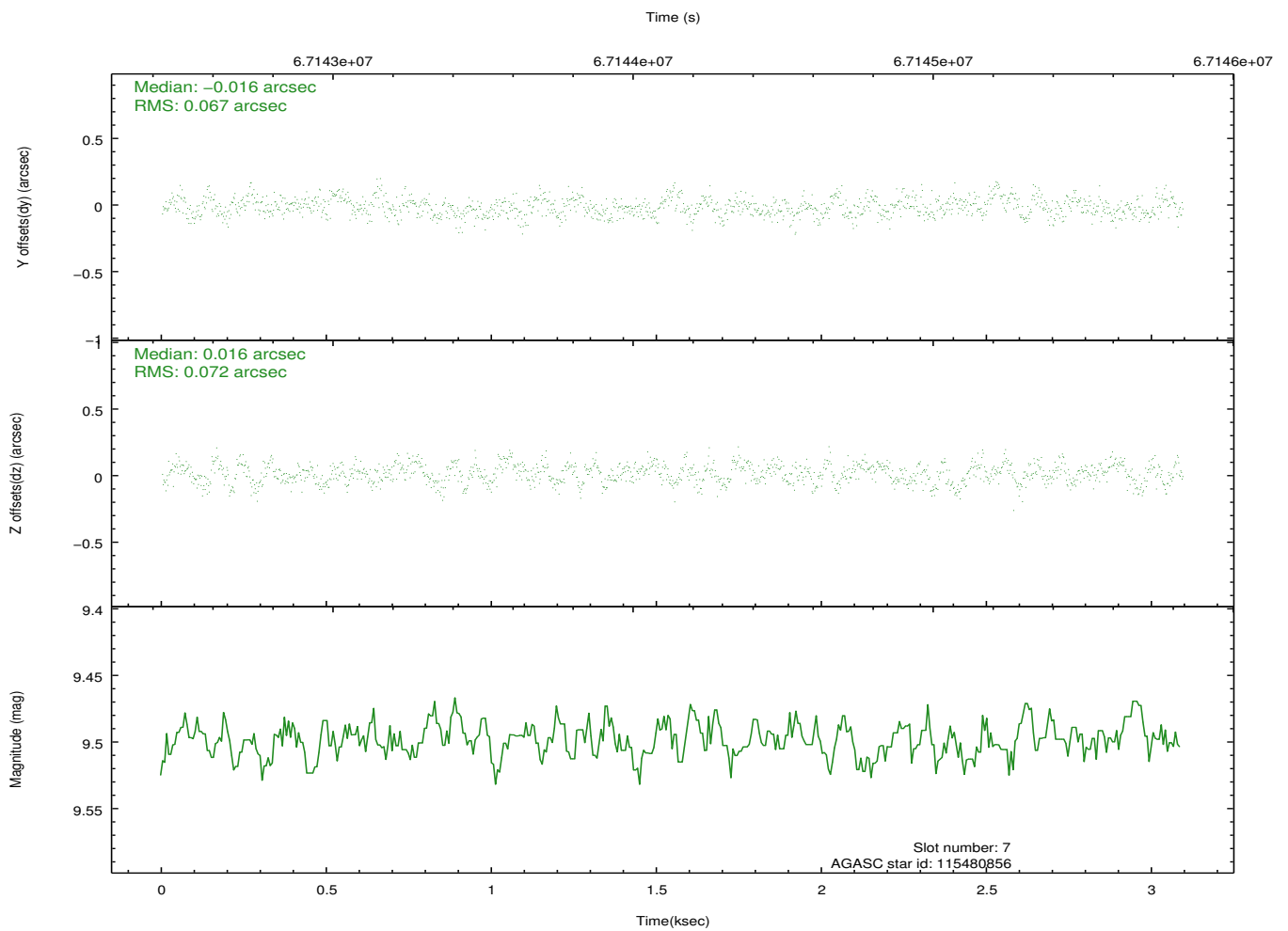
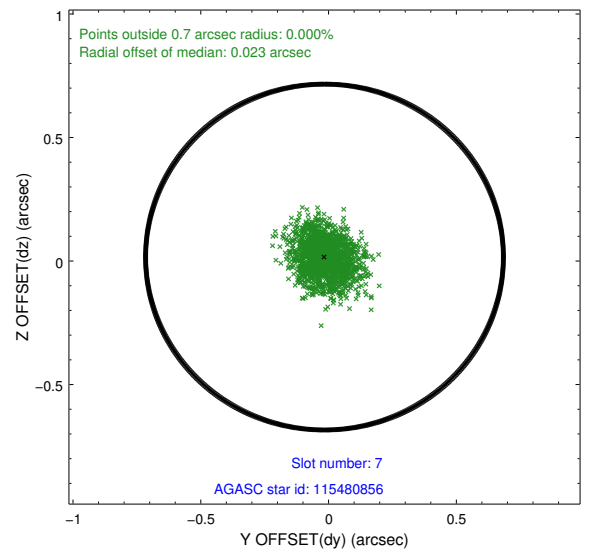
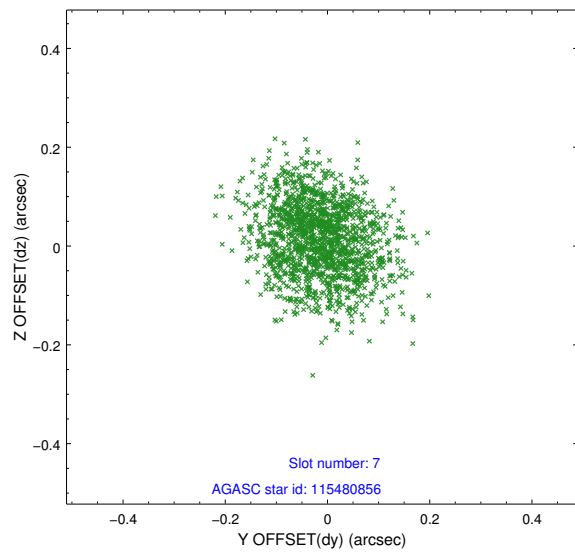
2.4.3 Slot 5



2.4.4 Slot 6

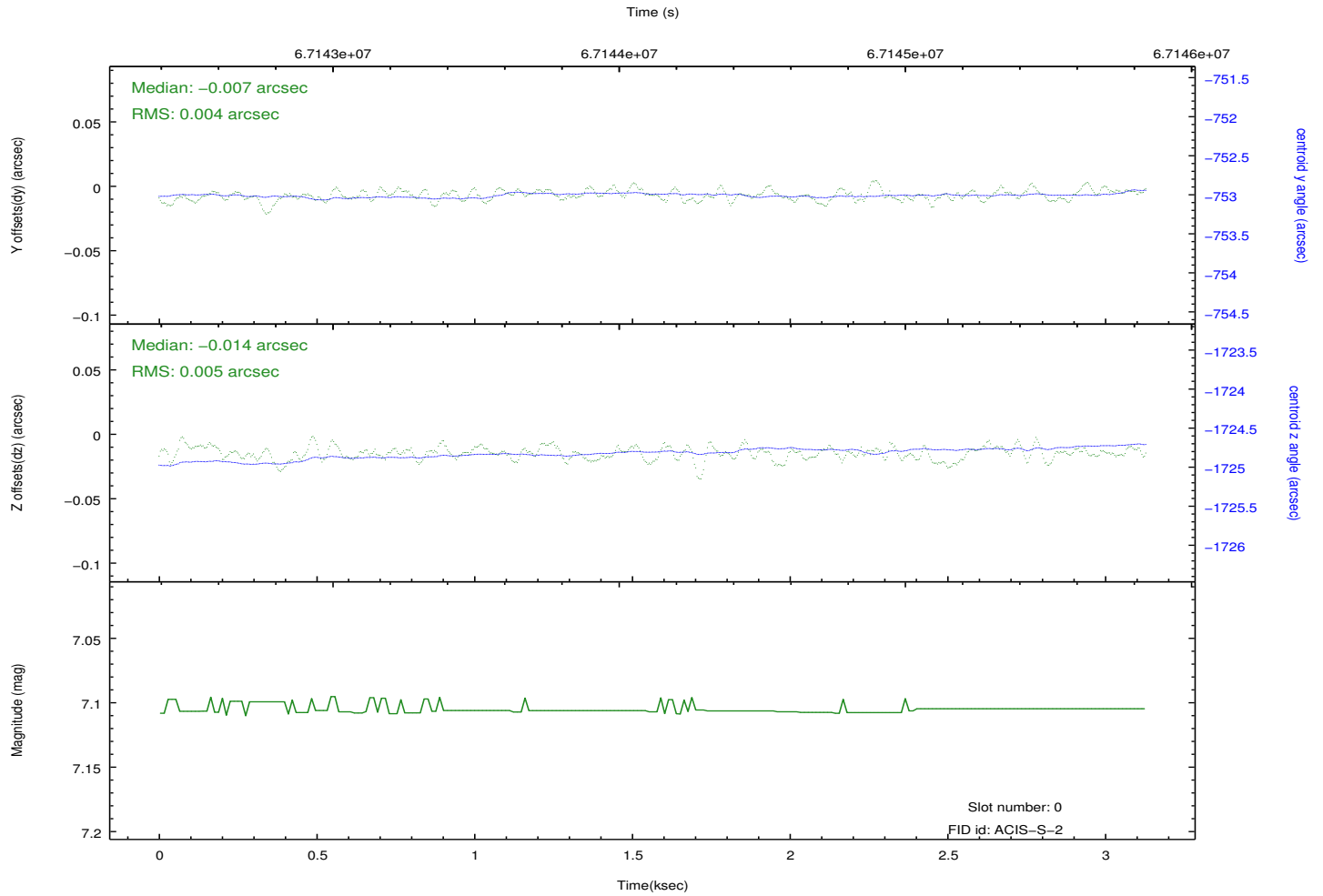
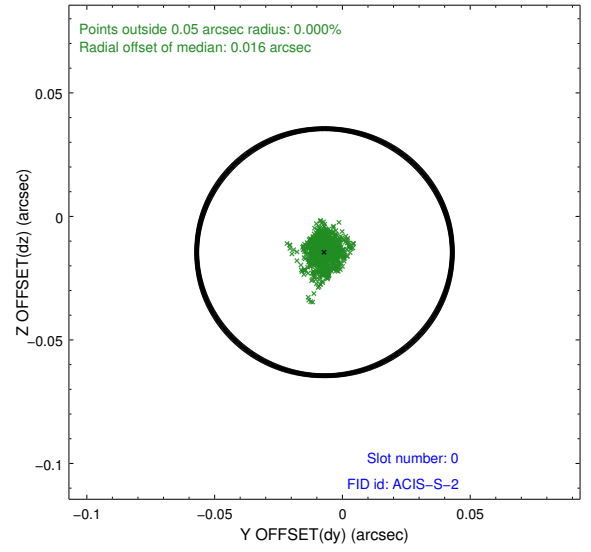
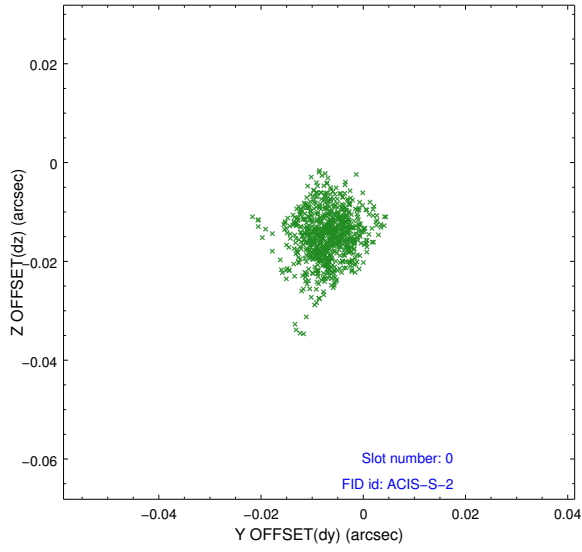


2.4.5 Slot 7

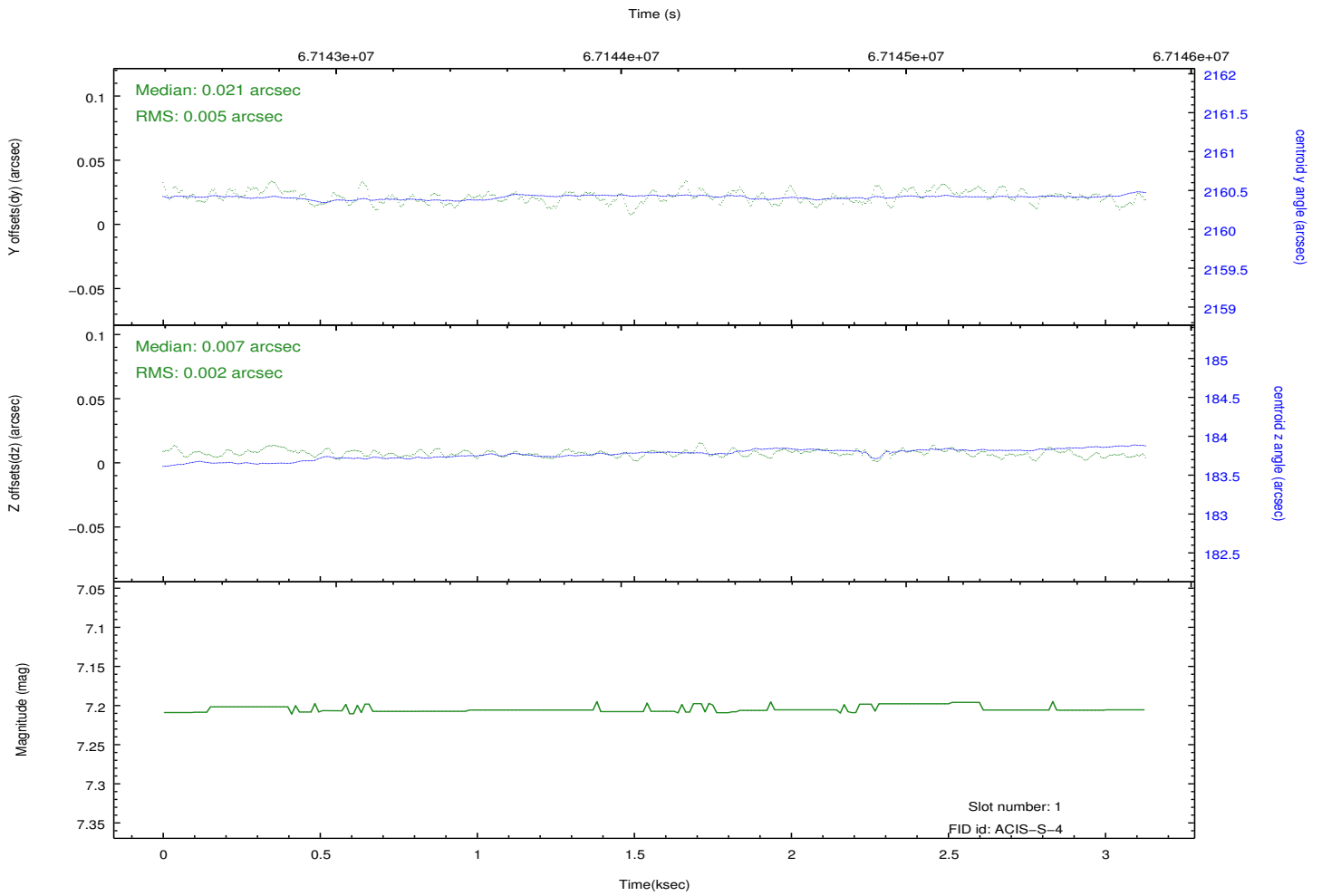
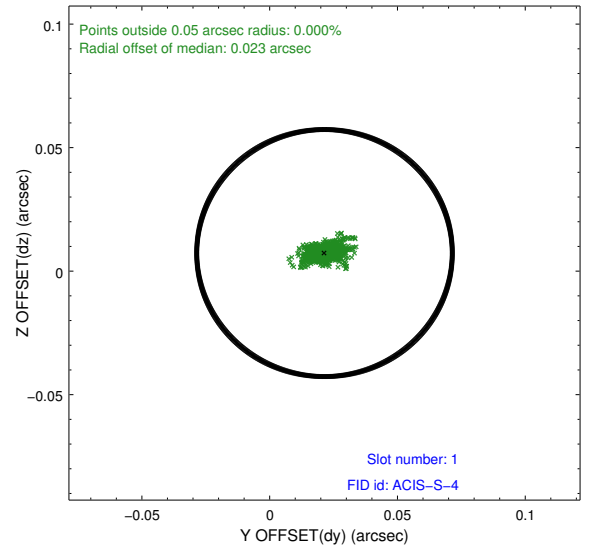
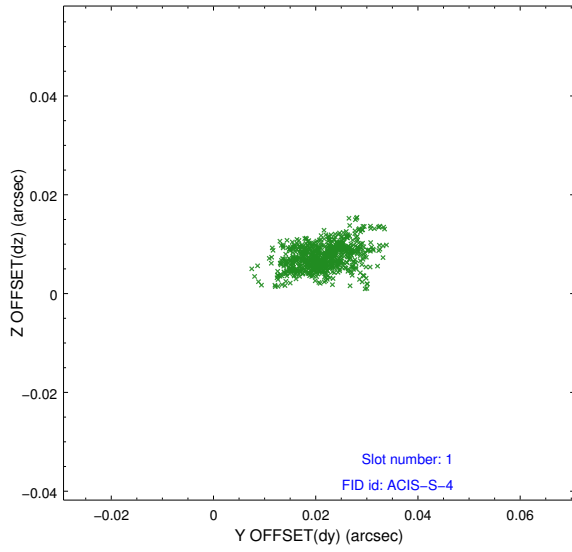


2.5 FID Slots

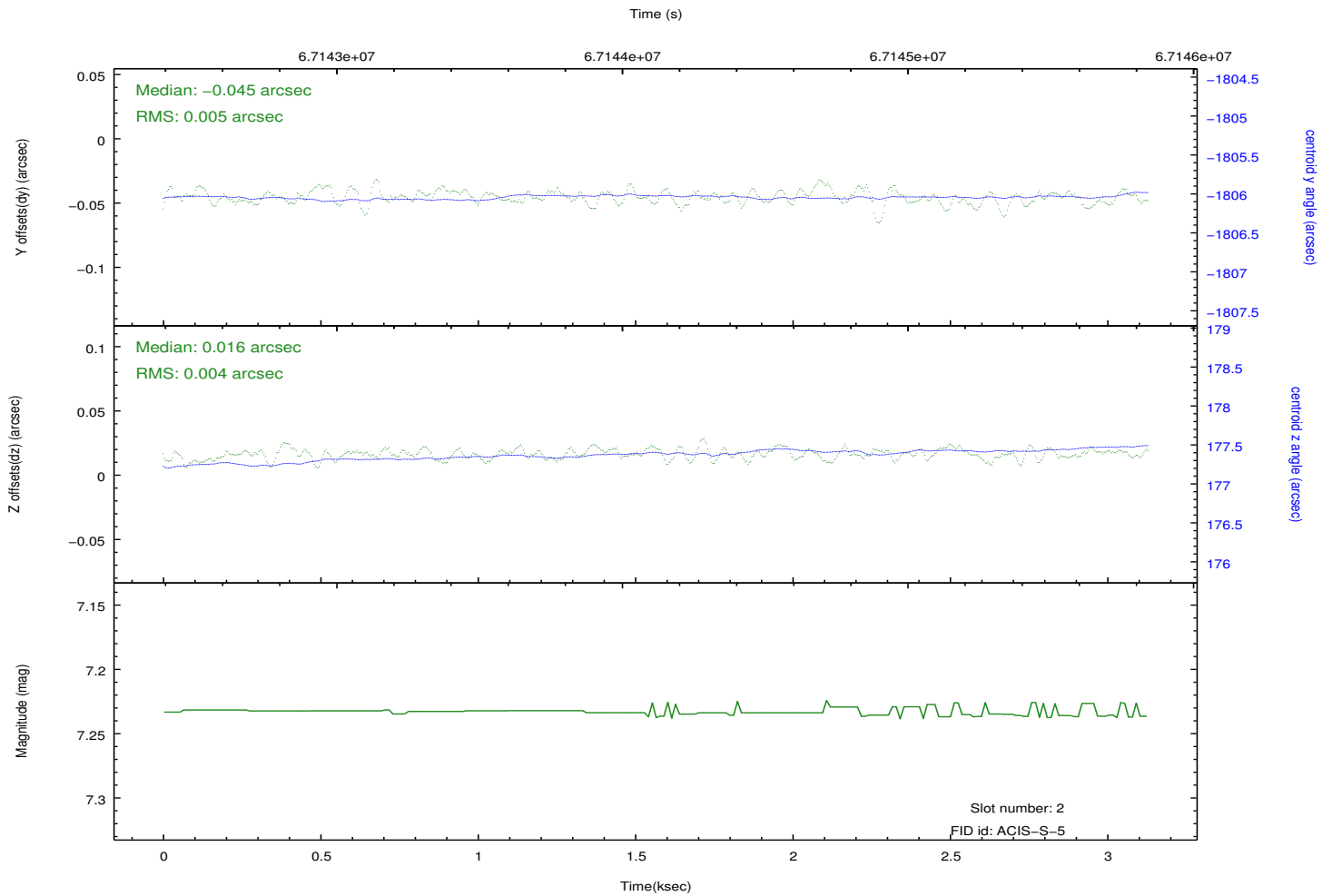
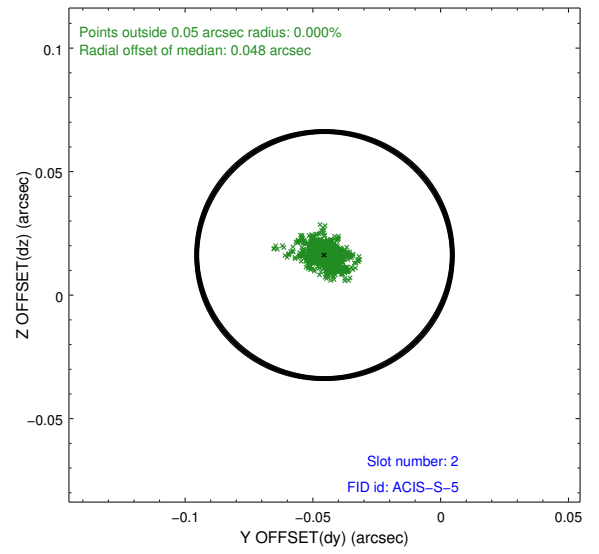
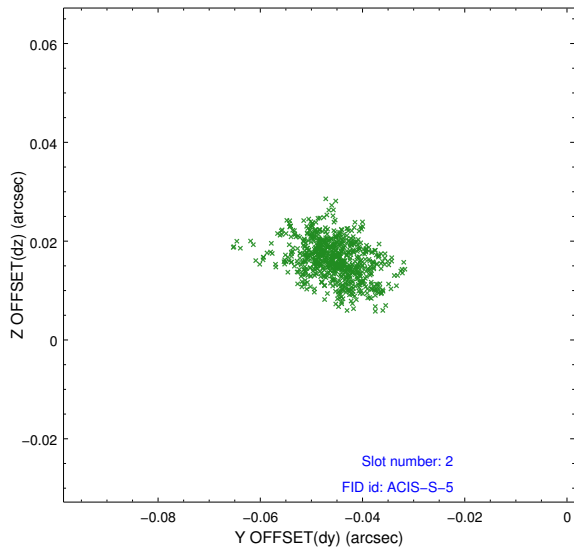
2.5.1 Slot 0



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)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.712

A.2 Comments