

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2054 - L2 Version 3
Chandra X-Ray Center

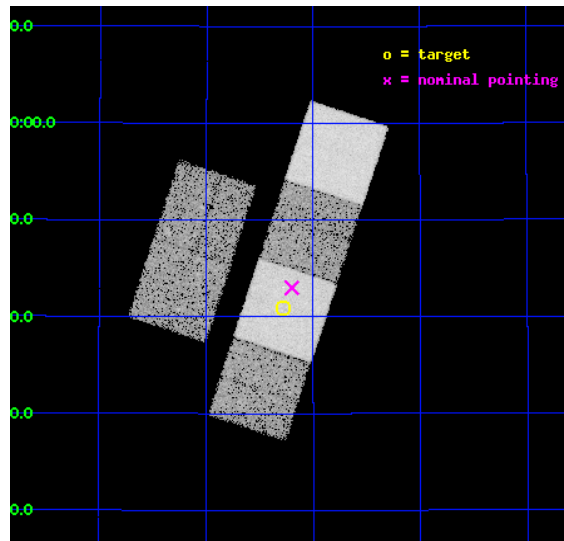
L2 Processing Date : Sep 20 2012

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1 Front

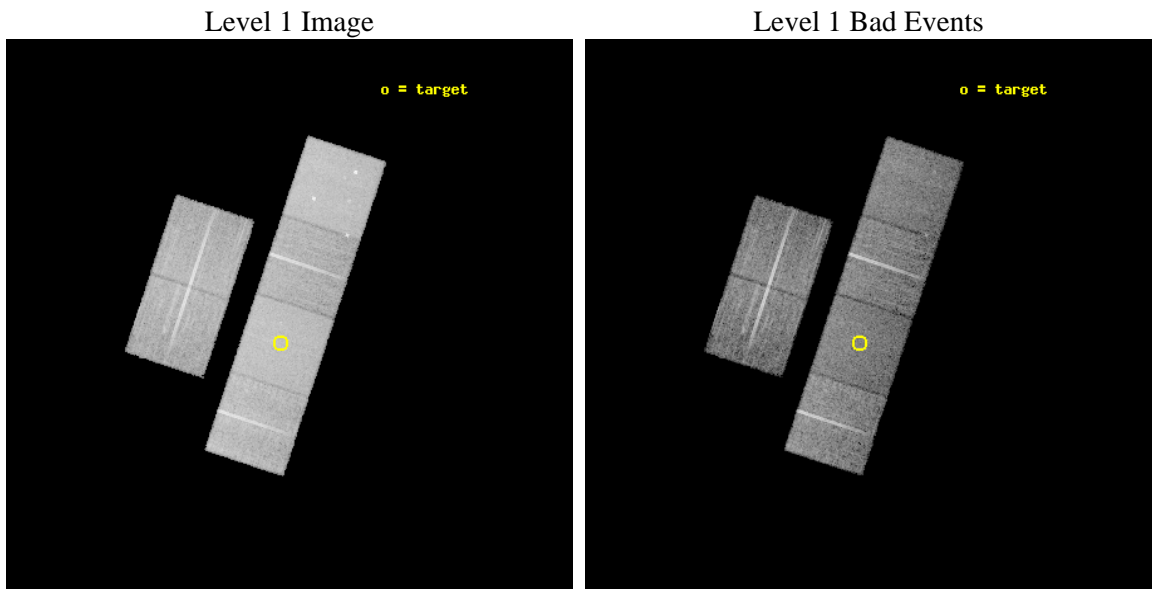
seq_num	600188	Sequence number
obs_id	2054	Observation id
title	2001: A SPACE CENSUS -- SUPERSOFT X-RAY SOURCES AND OTHER X-RAY SOURCES IN M31	Proposal title
observer	Dr. R. Di Stefano	Principal investigator
object	M31_3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	11.569583	Observer's specified target RA [deg]
dec_targ	41.681944	Observer's specified target Dec [deg]
ra_nom	11.549716632213	Nominal RA [deg]
dec_nom	41.716492415346	Nominal Dec [deg]
roll_nom	108.33675710728	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14710.400013685	Sum of GTIs [s]
livetime	14524.128071172	Livetime [s]
ontime2	14707.159083366	Sum of GTIs [s]
ontime3	14707.159023508	Sum of GTIs [s]
ontime5	14707.15905343	Sum of GTIs [s]
ontime6	14703.918103203	Sum of GTIs [s]
ontime7	14710.400013685	Sum of GTIs [s]
ontime8	14707.159193024	Sum of GTIs [s]
l2events	163118	Number of level 2 events



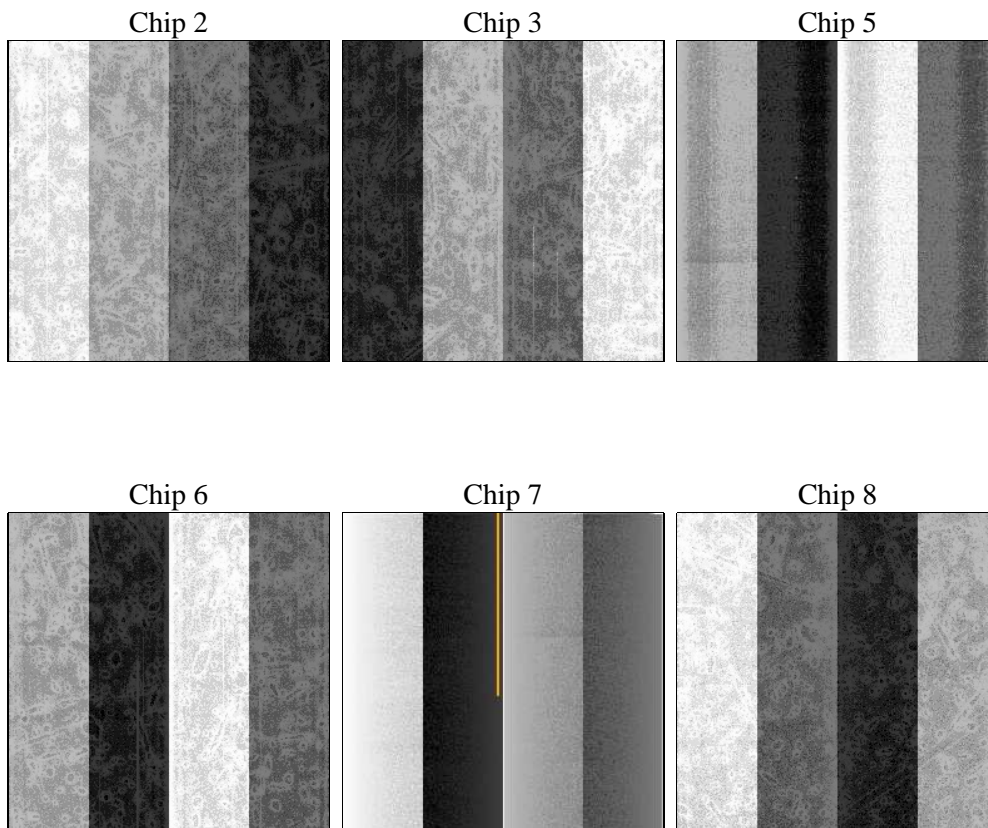
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14955.317000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	14710.400013685	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	14707.159083366	Sum of GTIs [s]
date	2012-09-20T12:41:57	Date and time of file creation	ontime3	14707.159023508	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	14707.15905343	Sum of GTIs [s]
			ontime6	14703.918103203	Sum of GTIs [s]
			ontime7	14710.400013685	Sum of GTIs [s]
			ontime8	14707.159193024	Sum of GTIs [s]
			l1events	682778	Number of level 1 events

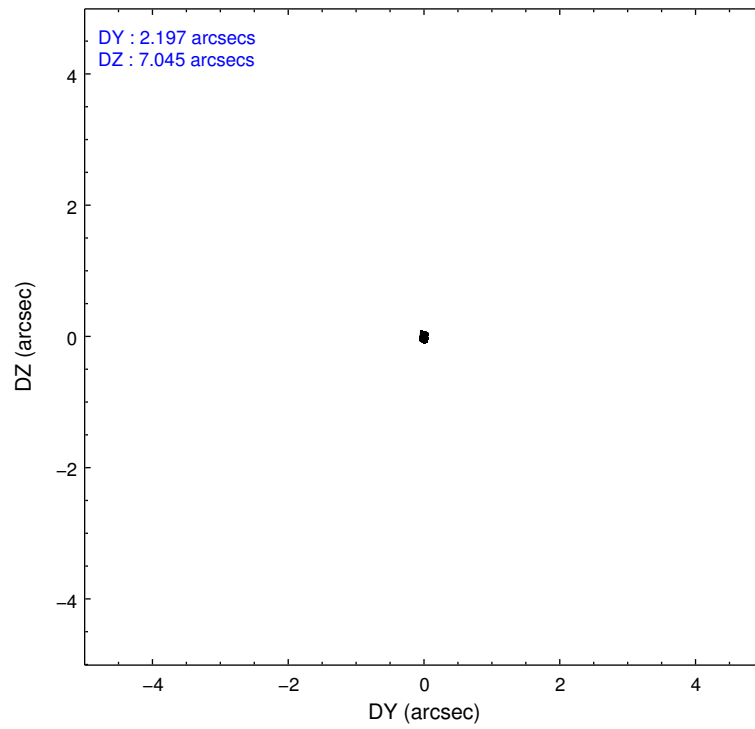
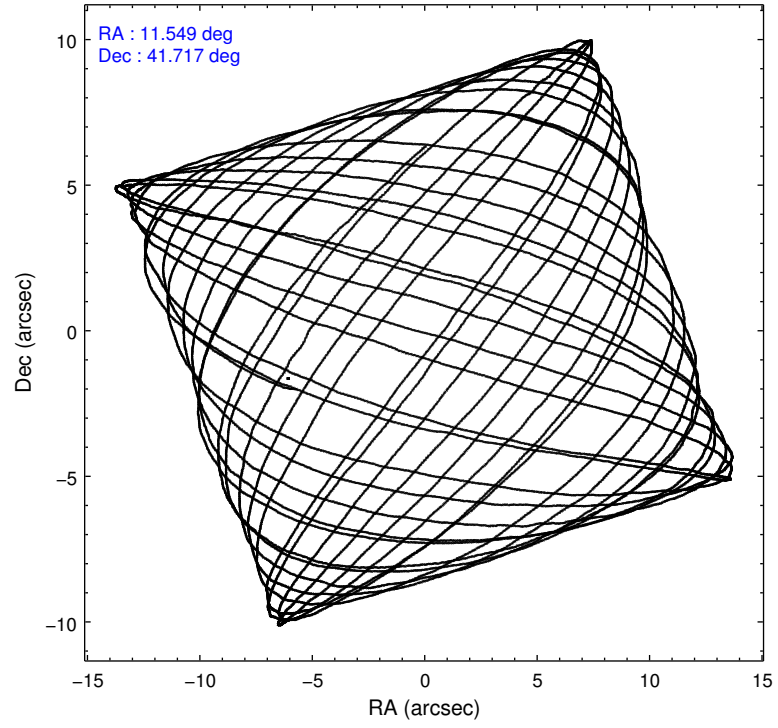
2.1.4 Events

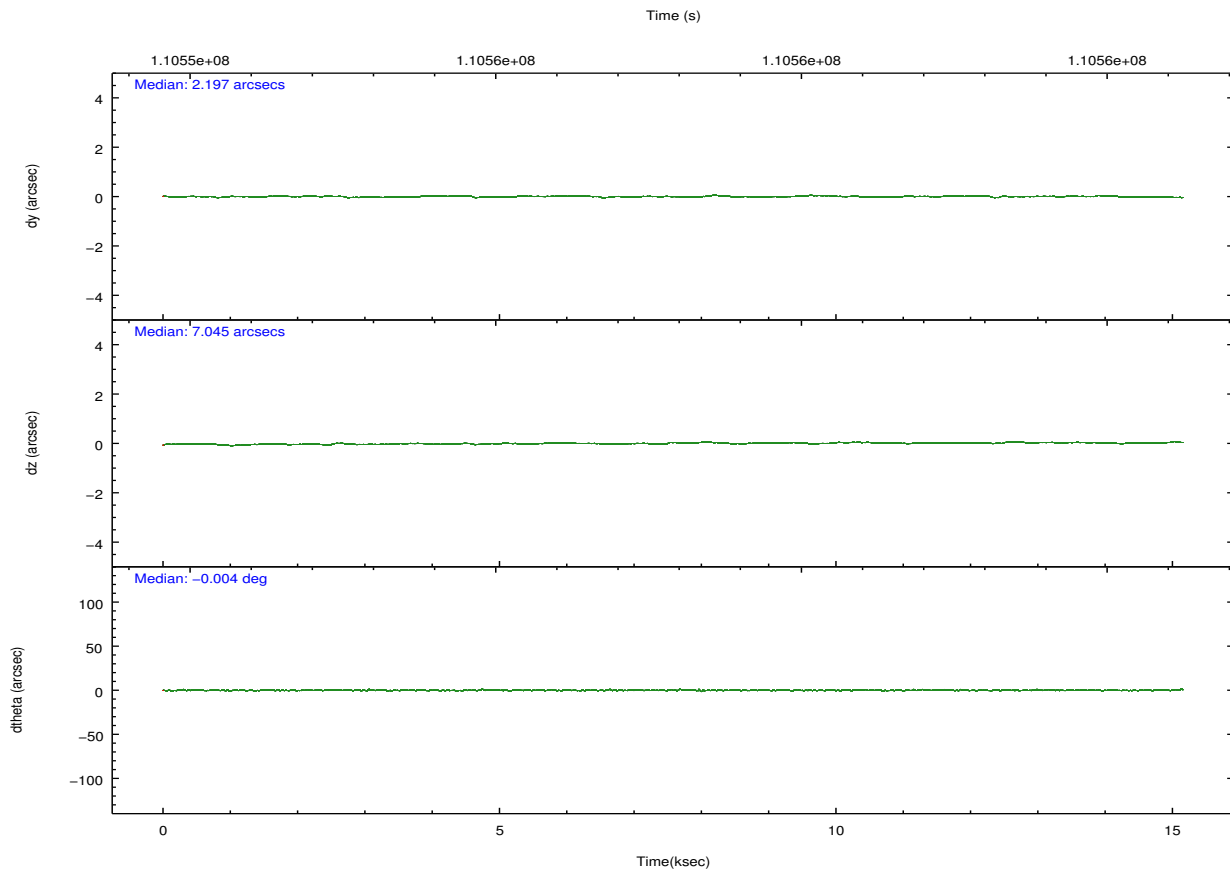
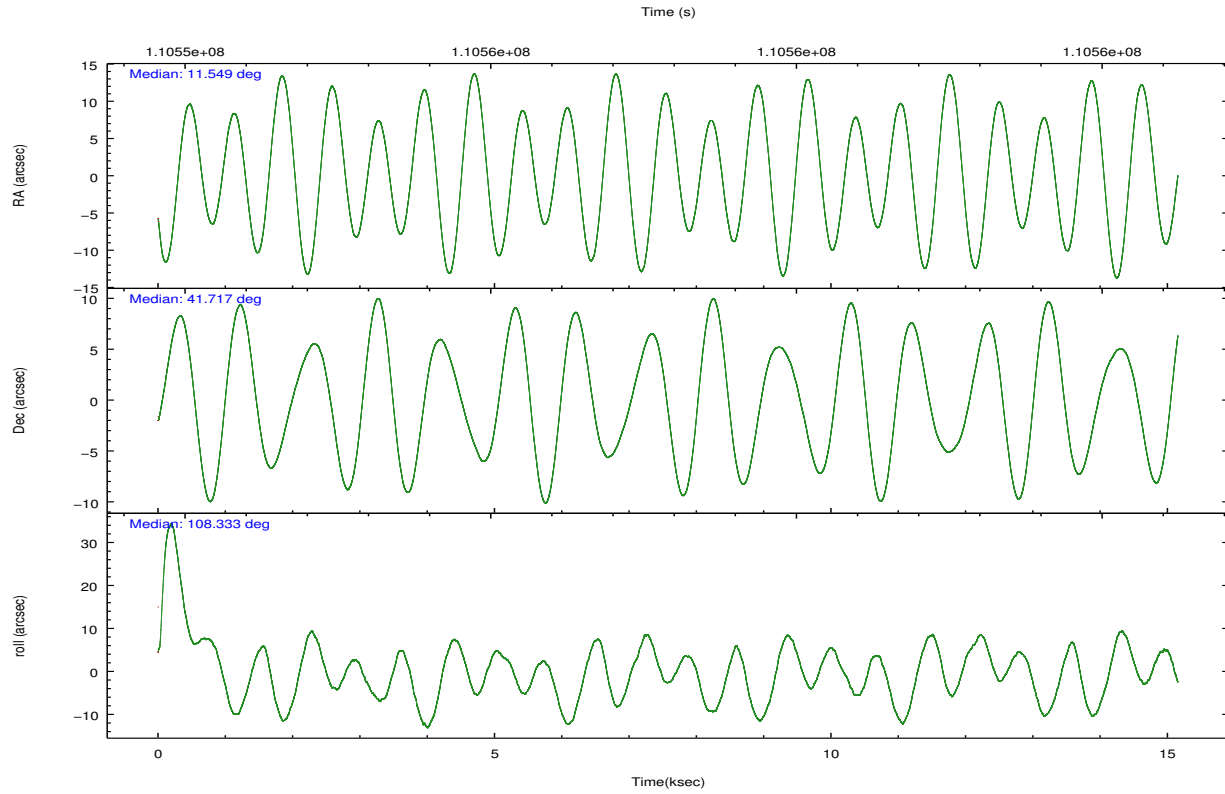
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	99397	93996	143081	95273	129337	121694	grade 0 events	4907	4926	8916	4883	6175	7698
rejected events	88414	82874	73109	83771	70664	97986		4%	5%	6%	5%	4%	6%
rejected %	88%	88%	51%	87%	54%	80%	grade 1 events	36	44	284	42	122	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	2340	2203	19593	2229	11389	5040
								2%	2%	13%	2%	8%	4%
							grade 3 events	998	980	3409	1168	5368	2654
								1%	1%	2%	1%	4%	2%
							grade 4 events	954	1097	3392	1077	5182	2447
								0%	1%	2%	1%	4%	2%
							grade 5 events	3329	3617	10453	3946	11721	5075
								3%	3%	7%	4%	9%	4%
							grade 6 events	1791	1919	34710	2148	30579	5879
								1%	2%	24%	2%	23%	4%
							grade 7 events	85042	79210	62324	79780	58801	92839
								85%	84%	43%	83%	45%	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	11.577309	11.54971663221278	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.698577	41.71649241534612	Alternating exposures requested	N	N
[deg] Pointing Roll	108.161768	108.3367571072766	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	110550521.184000	110550138.64016			
Observation start date	2001-07-03T12:27:37	2001-07-03T12:22:18			
[s] Observation end time (MET)	110565476.184000	110565790.39077			
Observation end date	2001-07-03T16:36:52	2001-07-03T16:43:10			
Read mode	TIMED	TIMED			

2.3 Aspect



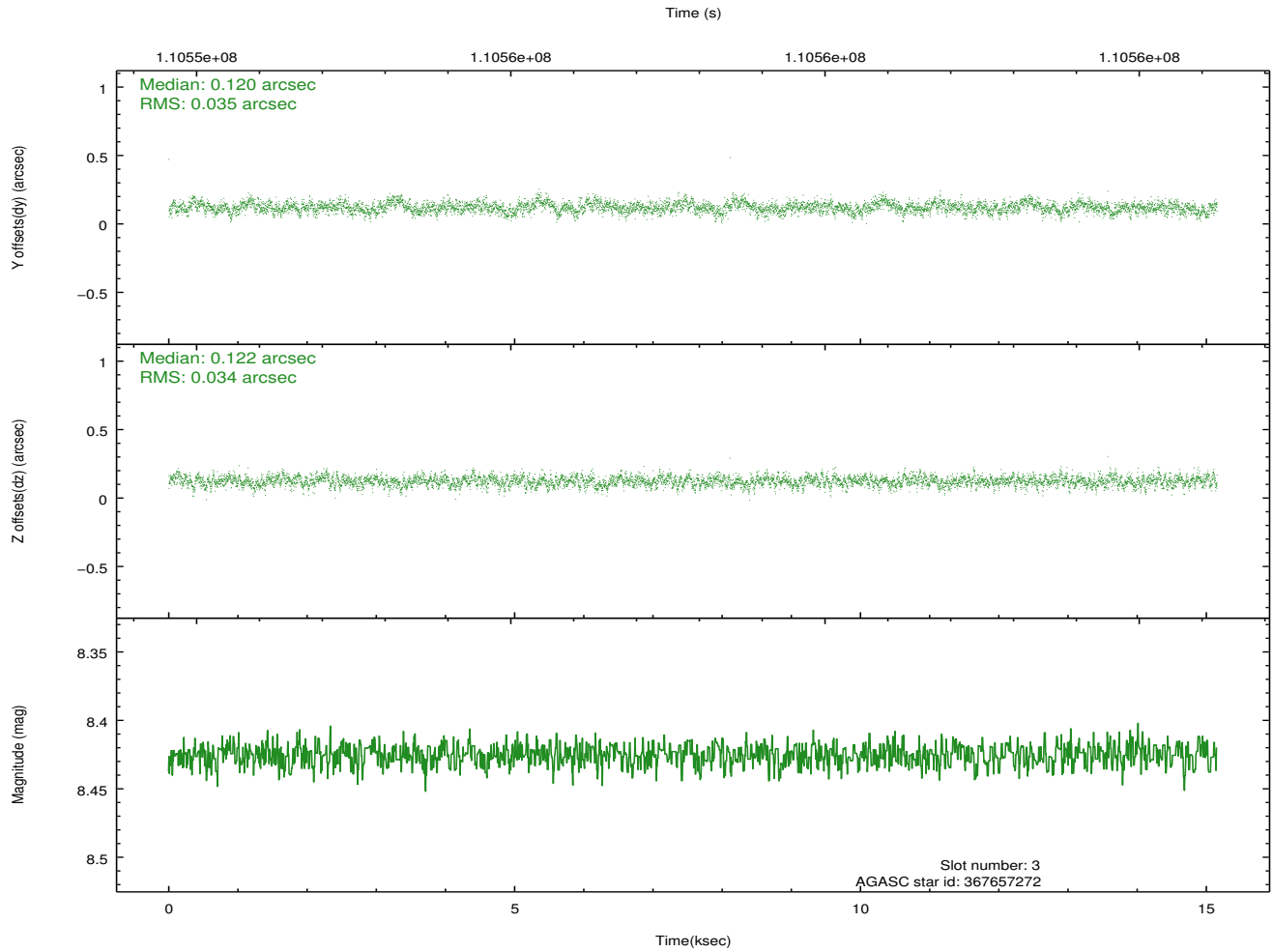
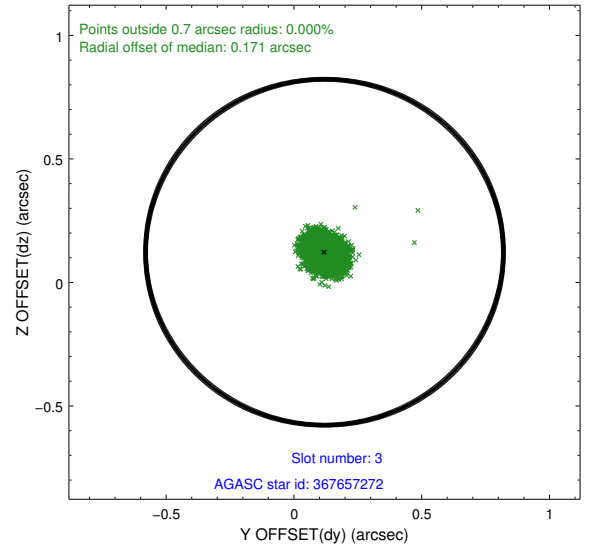
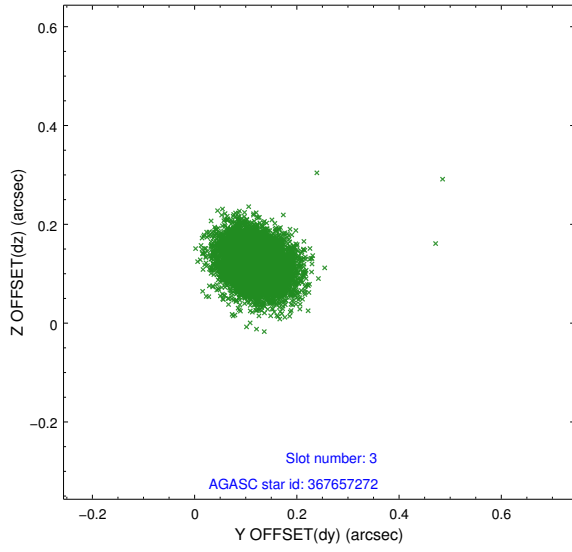


Slot Statistics

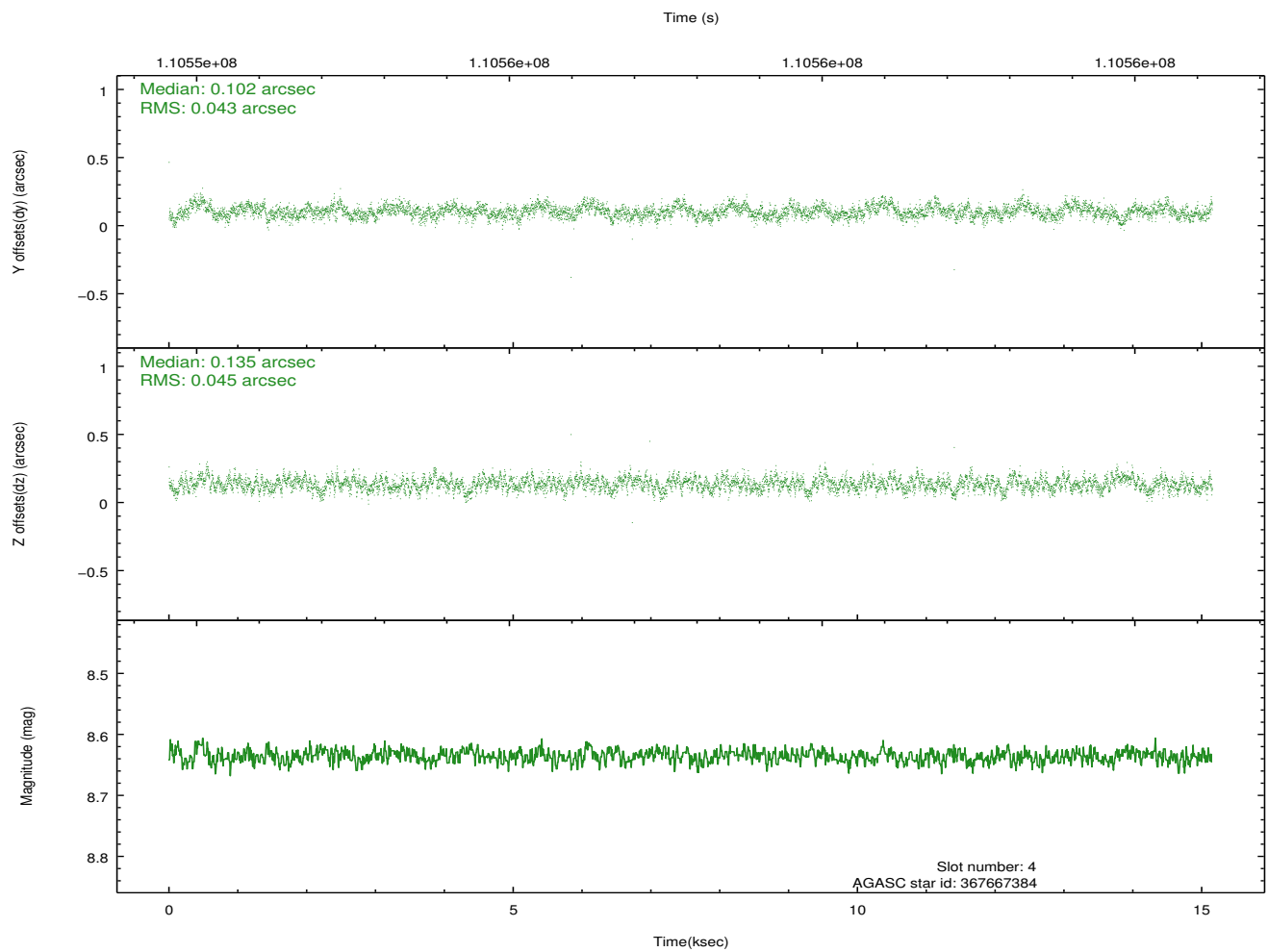
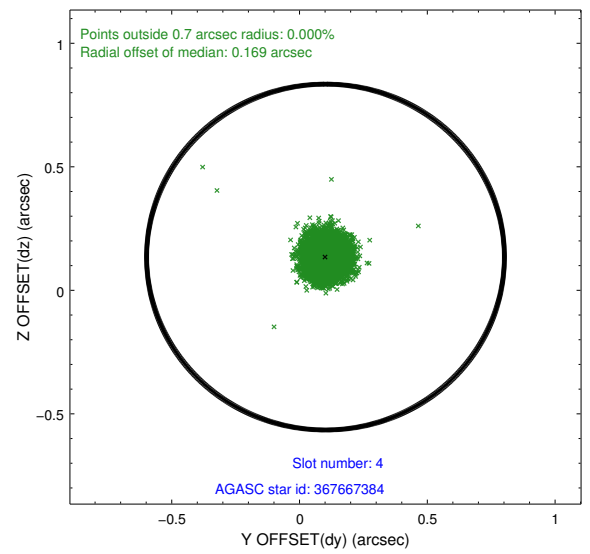
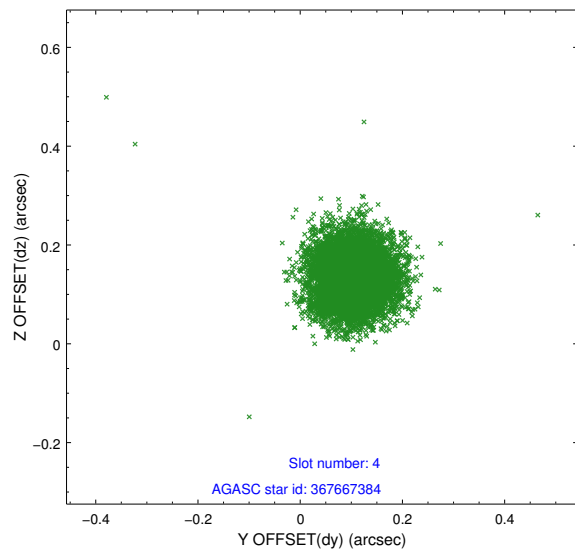
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3696	-0.018	0.002	0.007	0.012	0.000000	0.000000	-754.83	-1728.11
1	FID	ACIS-S-4	7.19	3695	-0.055	0.008	0.006	0.010	0.000000	0.000000	2158.27	180.09
2	FID	ACIS-S-5	7.24	3695	0.042	-0.001	0.007	0.012	0.000000	0.000000	-1807.23	174.07
3	GUIDE	367657272	8.43	7389	0.120	0.122	0.051	0.085	11.834471	41.298907	-1583.53	-213.41
4	GUIDE	367667384	8.64	7391	0.102	0.135	0.066	0.105	12.077552	41.596878	-764.71	-1167.41
5	GUIDE	367146616	8.85	7387	0.131	-0.098	0.067	0.111	11.418645	41.190163	-1605.51	977.76
6	GUIDE	367671800	9.41	7386	-0.191	-0.081	0.094	0.157	10.554735	41.964935	1778.56	2296.35
7	GUIDE	367671896	9.09	7389	-0.159	-0.079	0.072	0.120	11.763473	41.964845	755.41	-772.89

2.4 Star Slots

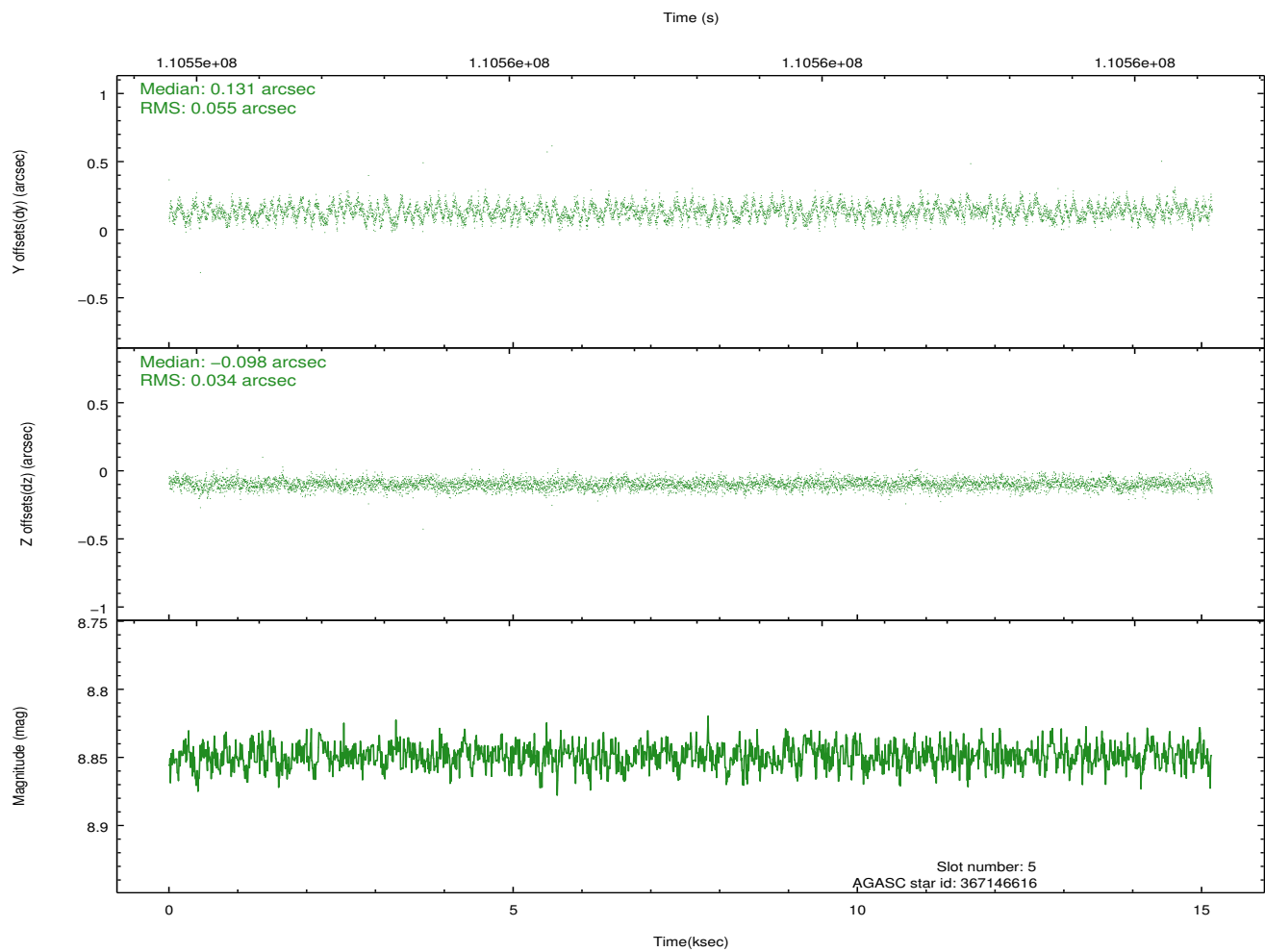
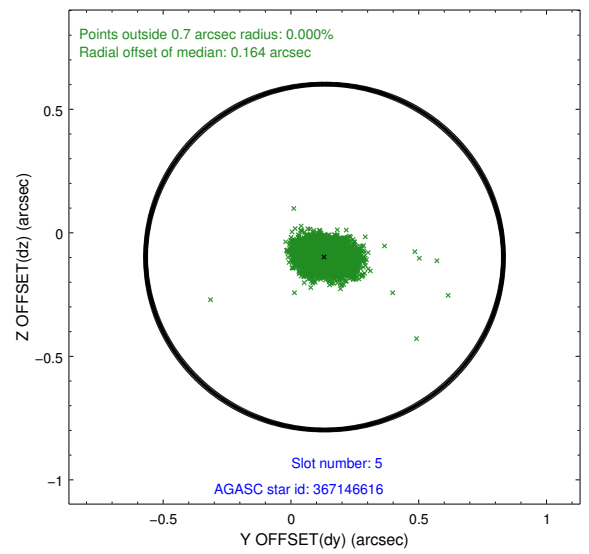
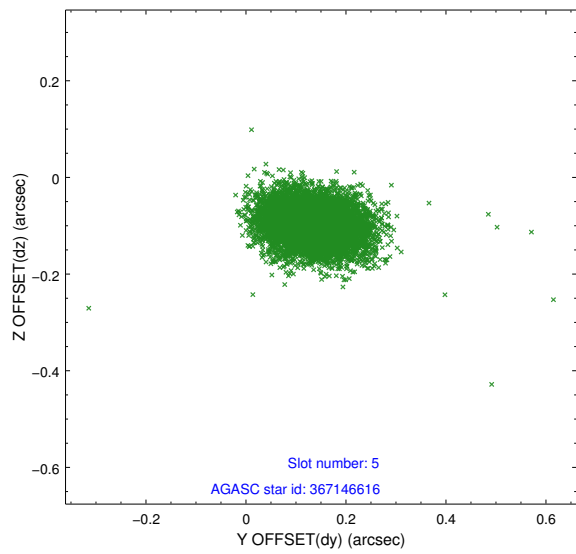
2.4.1 Slot 3



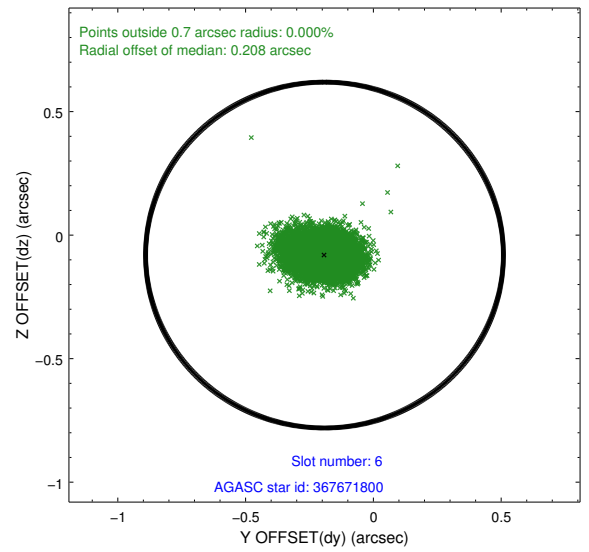
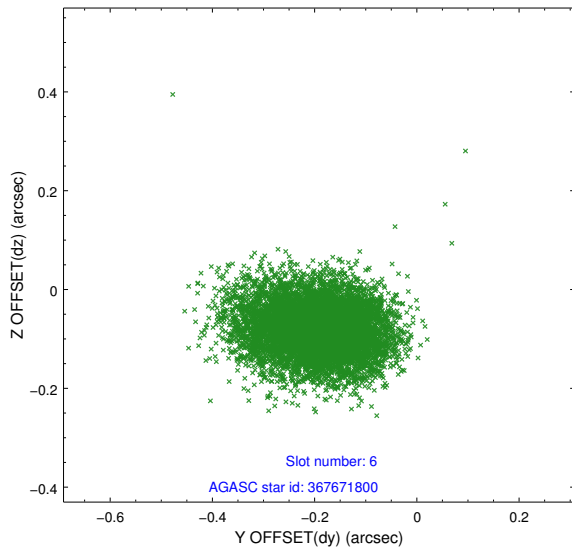
2.4.2 Slot 4



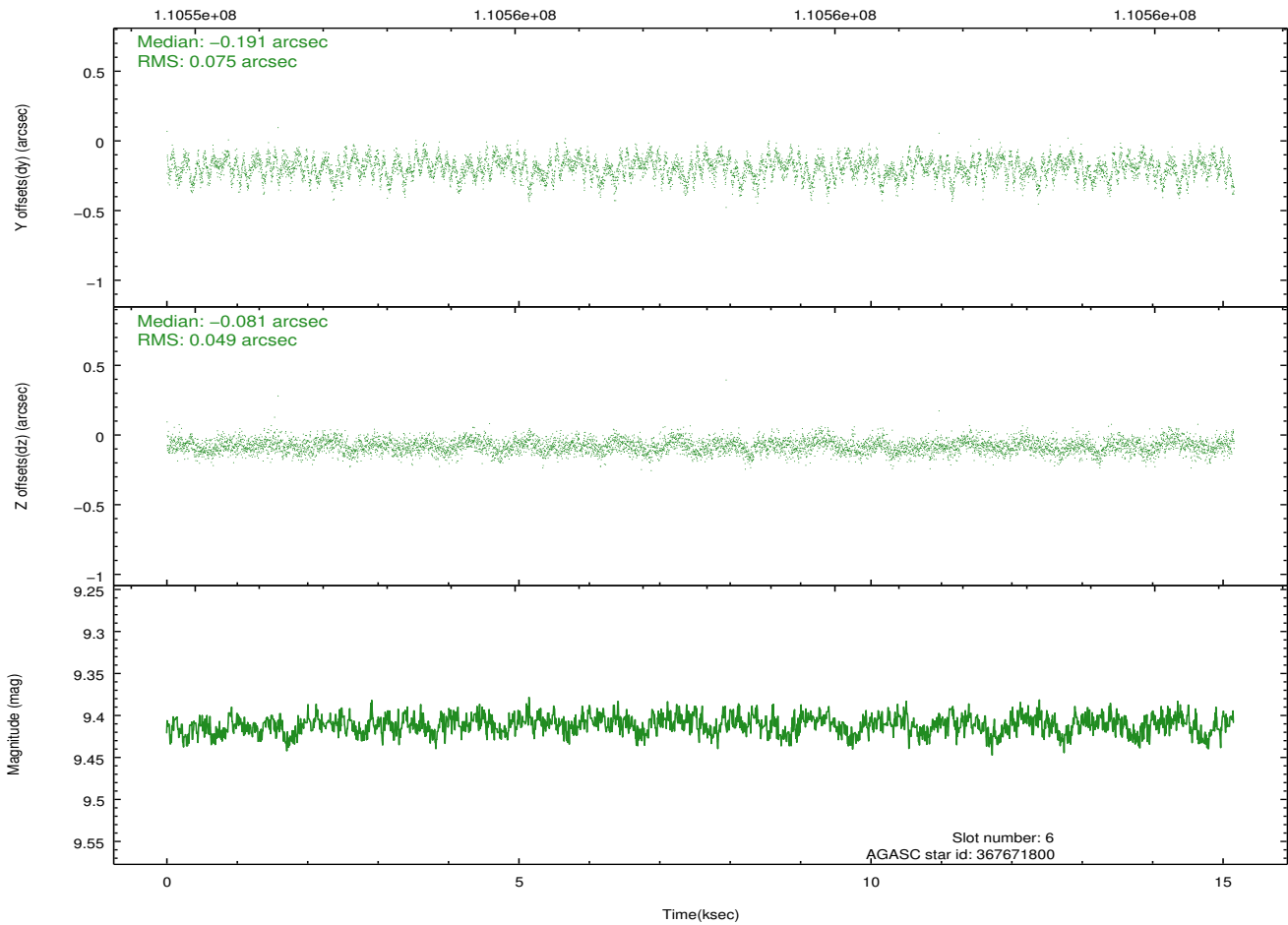
2.4.3 Slot 5



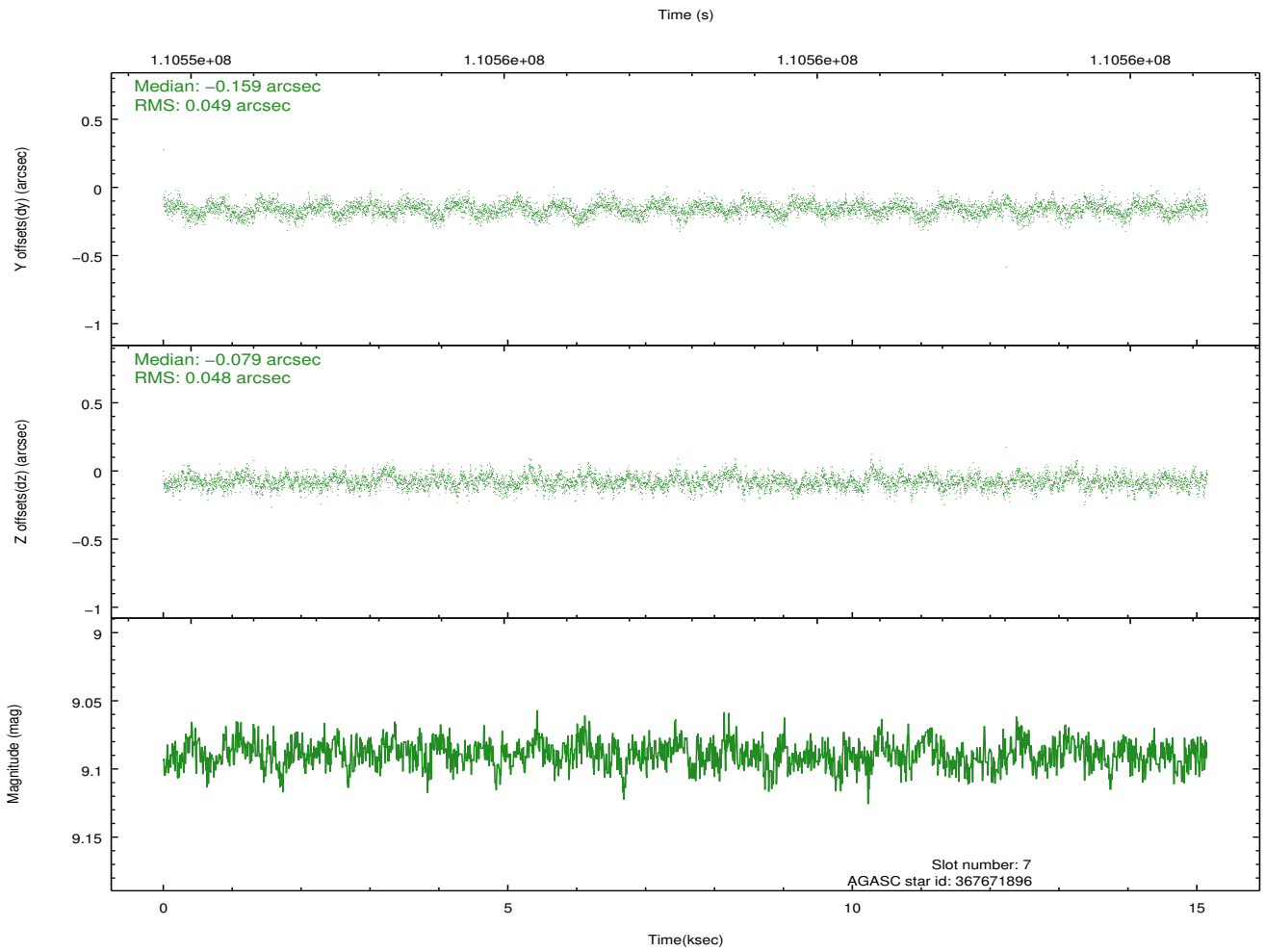
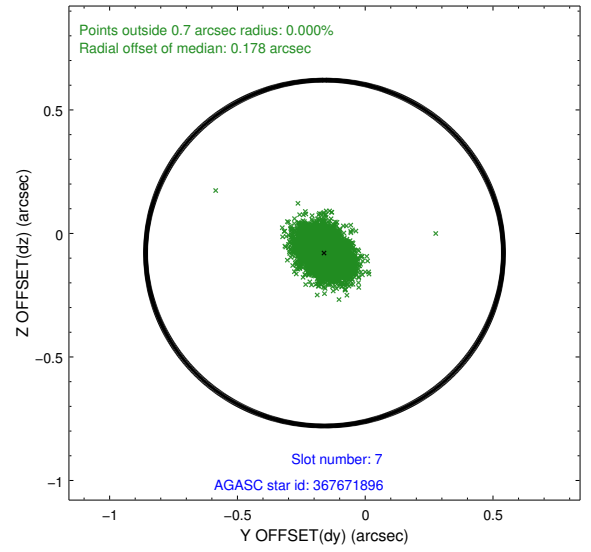
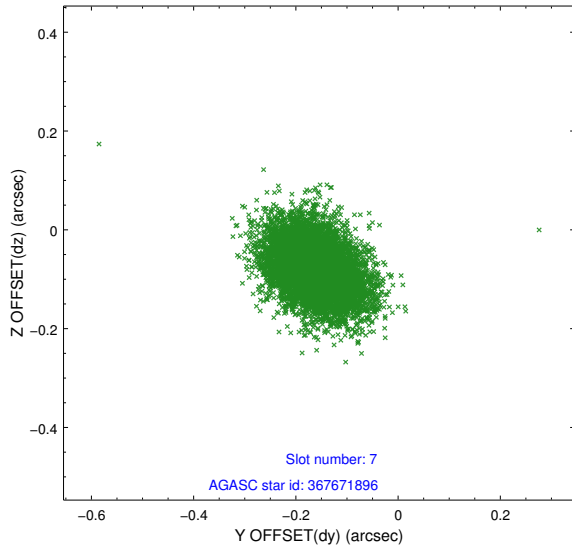
2.4.4 Slot 6



Time (s)

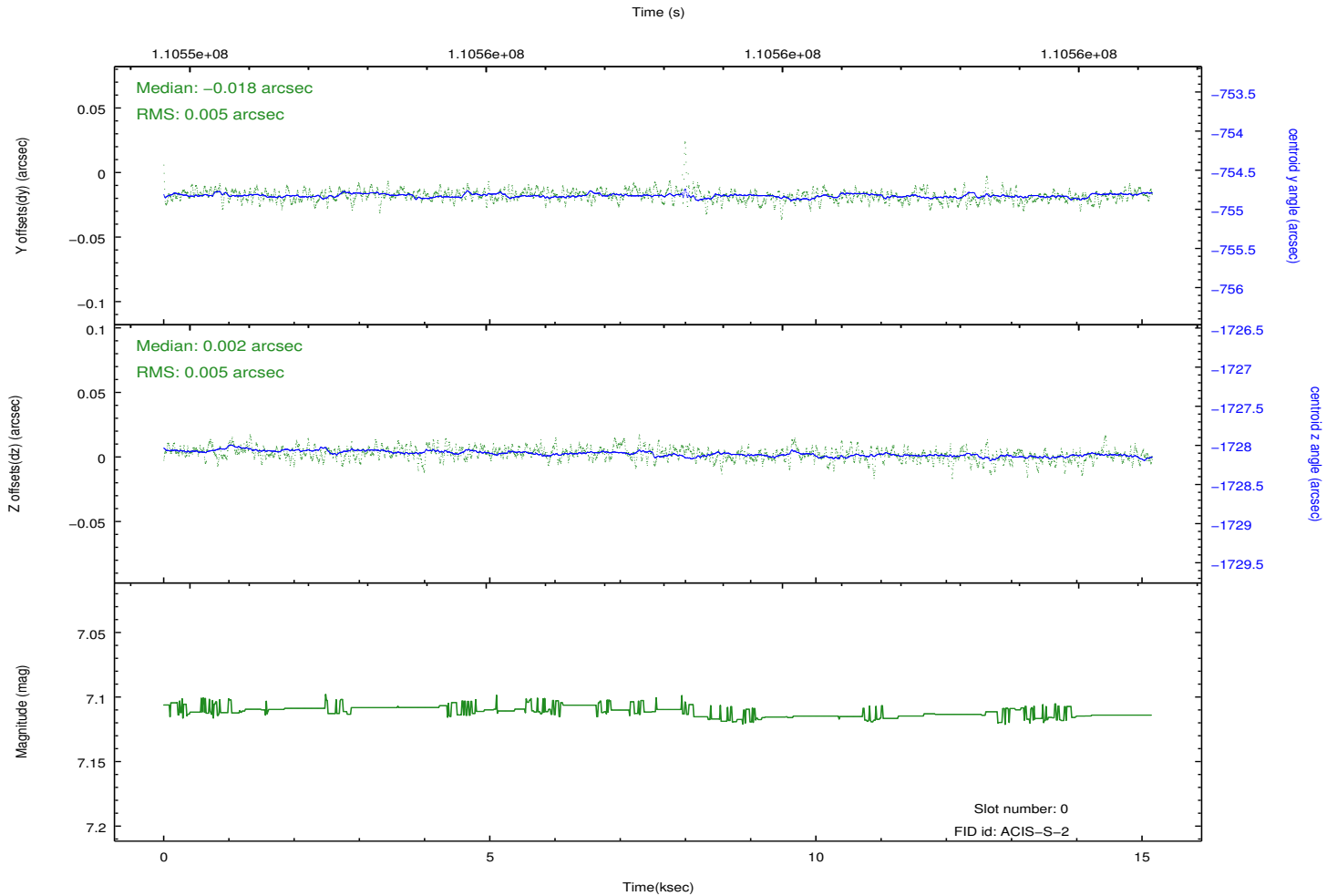
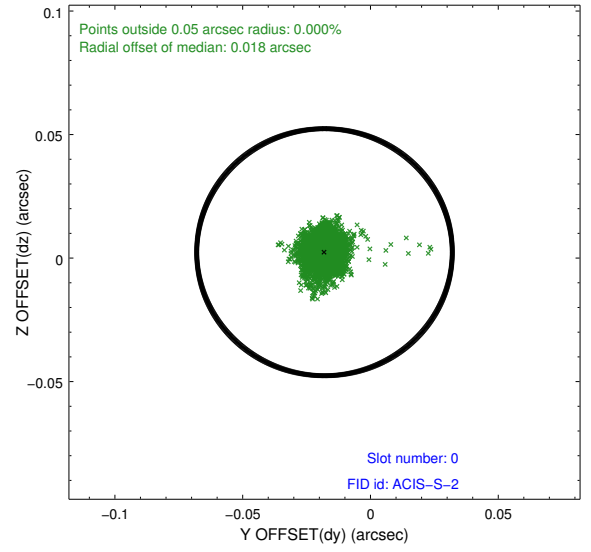
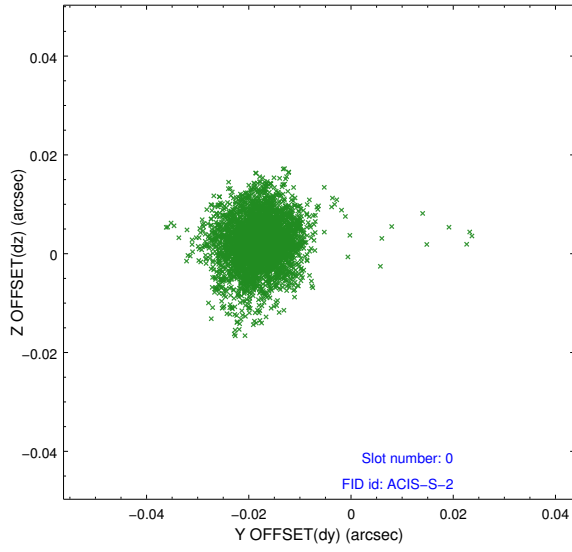


2.4.5 Slot 7

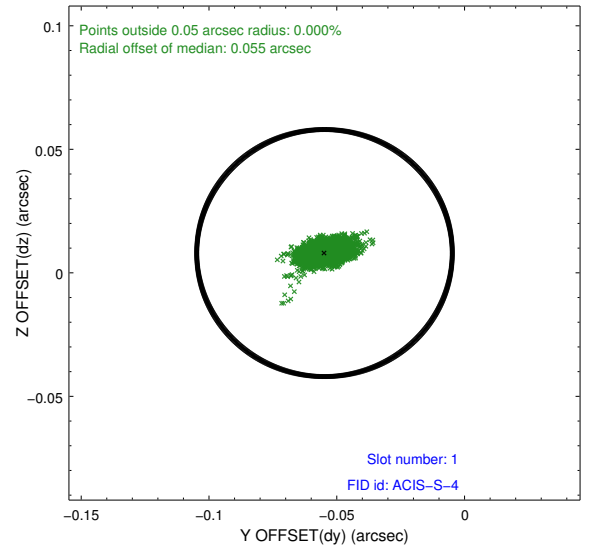
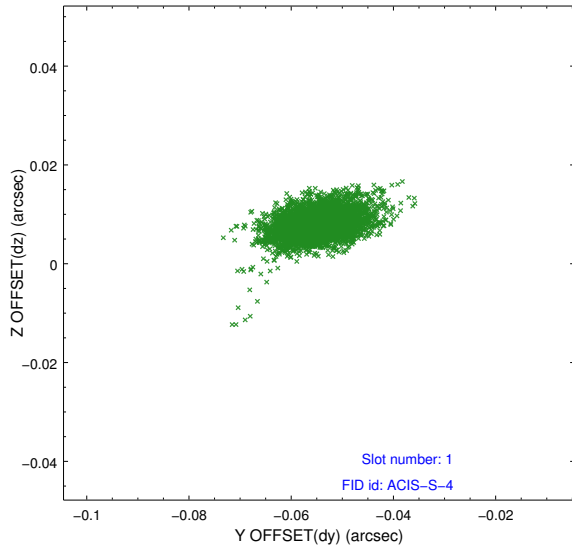


2.5 FID Slots

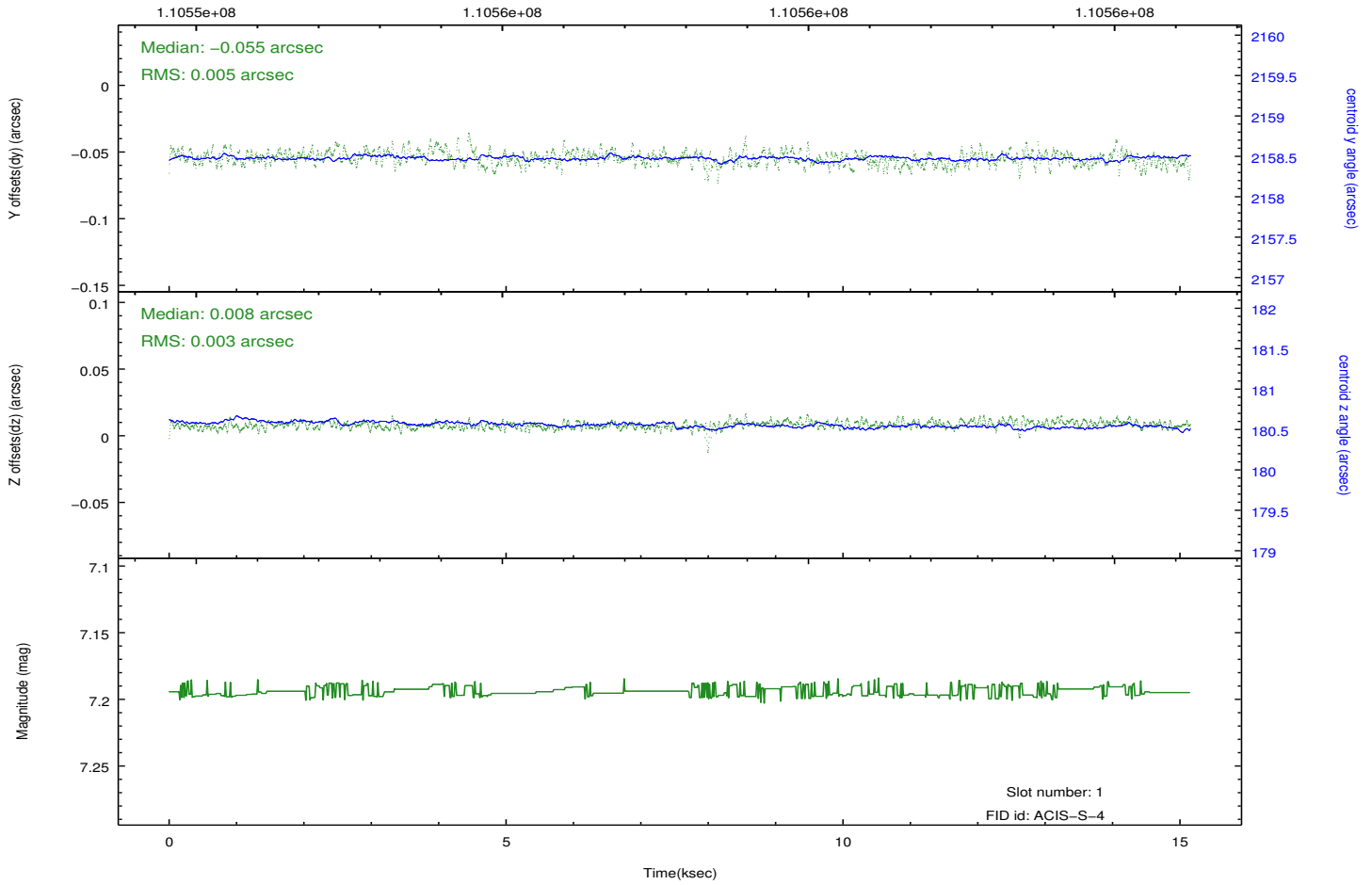
2.5.1 Slot 0



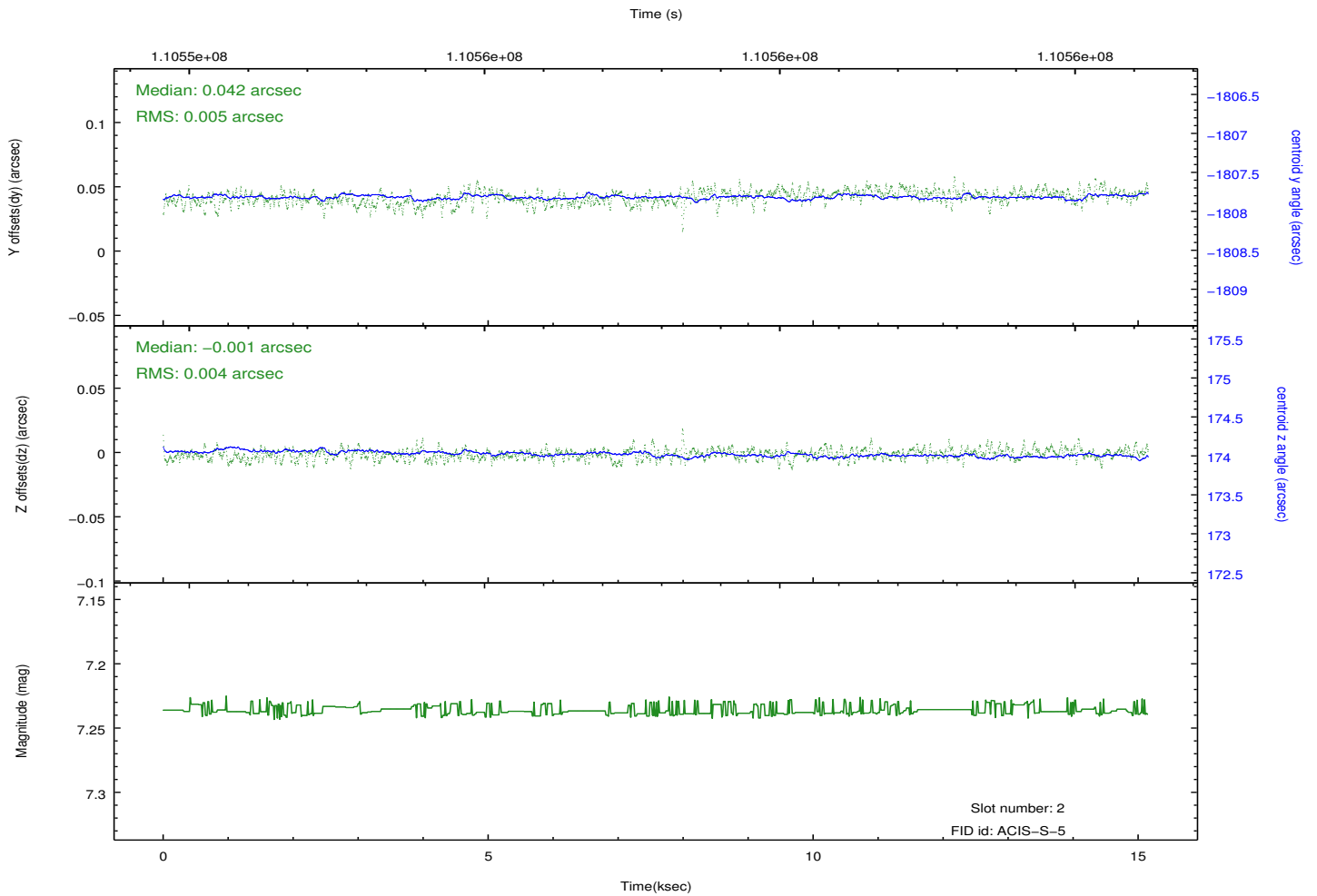
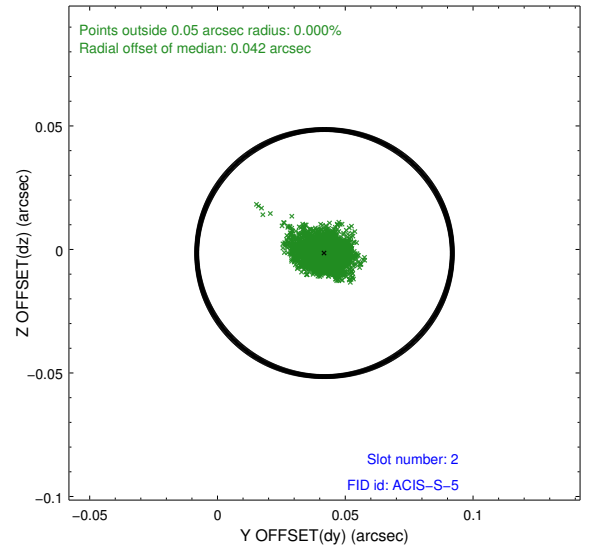
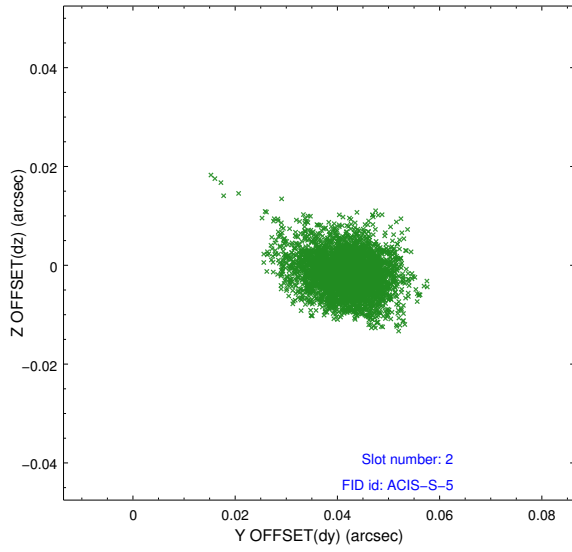
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.713

A.2 Comments

Monitor constraint not met, follows obs2053 by 117 days instead of 120 - 140.