

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 17541 - L2 Version 1
Chandra X-Ray Center

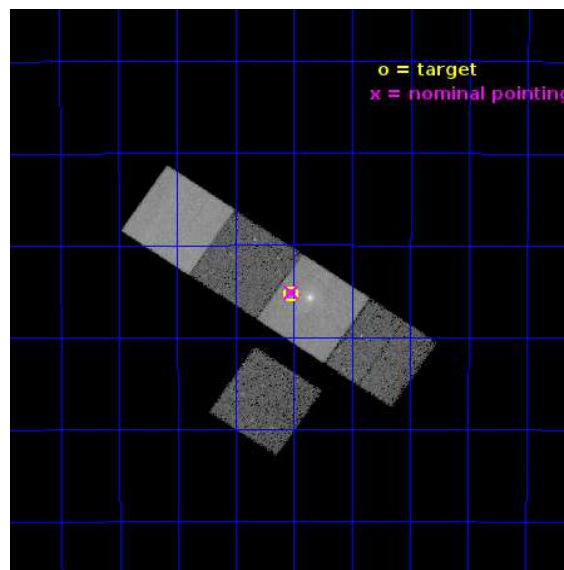
L2 Processing Date : Oct 23 2014

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1 Front

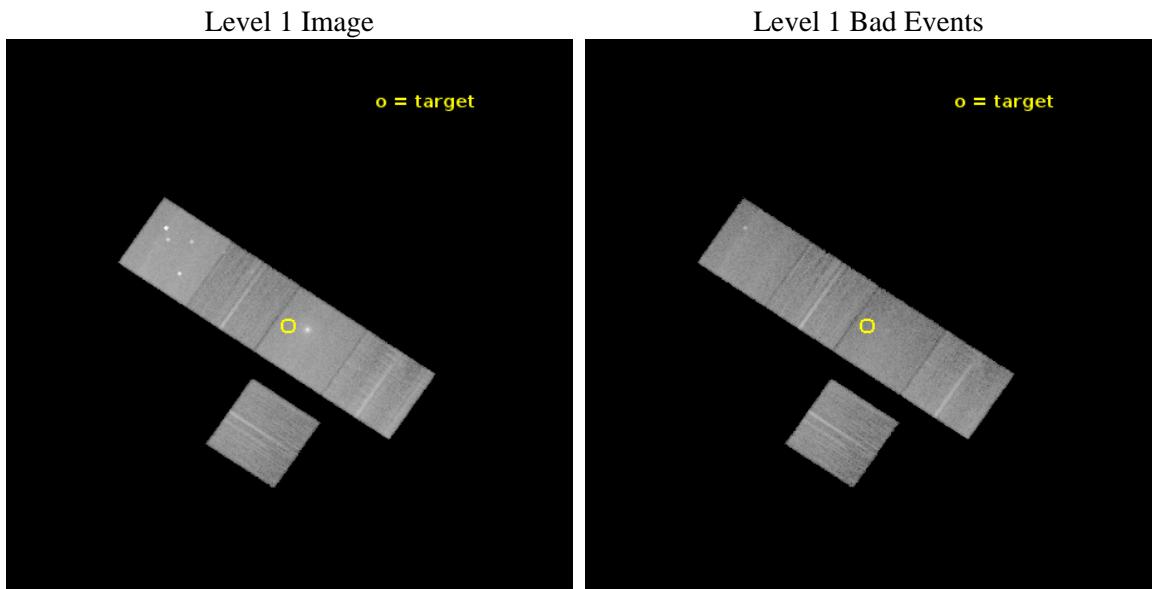
seq_num	801415	Sequence number
obs_id	17541	Observation id
title	Hydrodynamics of merging and stripping in the Fornax Cluster: A Deep Chandra observation of NGC 1404	Proposal title
observer	Dr. Ralph Kraft	Principal investigator
object	NGC 1404	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.755	Observer's specified target RA [deg]
dec_targ	-35.5885	Observer's specified target Dec [deg]
ra_nom	54.754979595573	Nominal RA [deg]
dec_nom	-35.585395054351	Nominal Dec [deg]
roll_nom	34.156589736964	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25060.400192738	Sum of GTIs [s]
livetime	24732.967615021	Livetime [s]
ontime3	25057.259132385	Sum of GTIs [s]
ontime5	25060.400192738	Sum of GTIs [s]
ontime6	25060.400192738	Sum of GTIs [s]
ontime7	25060.400192738	Sum of GTIs [s]
ontime8	25060.400192738	Sum of GTIs [s]
l2events	243889	Number of level 2 events



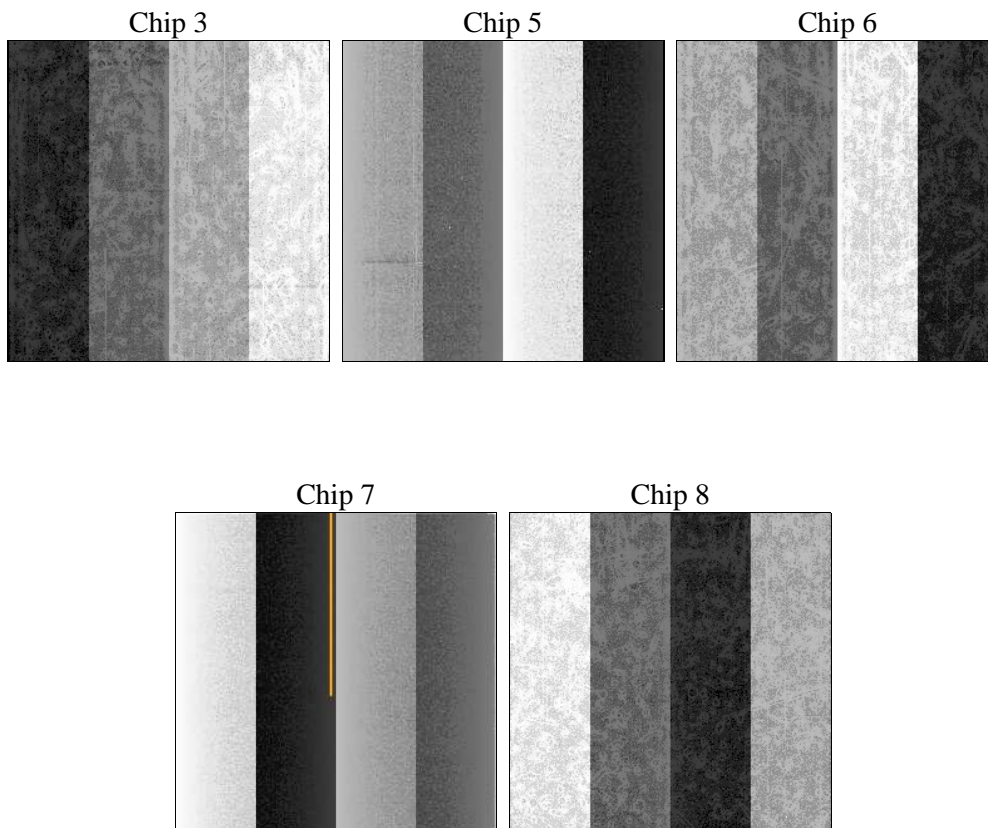
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	25060.400192738	Sum of GTIs [s]
caldsver	4.6.3	 	ontime3	25057.259132385	Sum of GTIs [s]
date	2014-10-23T20:28:37	Date and time of file creation	ontime5	25060.400192738	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	25060.400192738	Sum of GTIs [s]
			ontime7	25060.400192738	Sum of GTIs [s]
			ontime8	25060.400192738	Sum of GTIs [s]
			l1events	870983	Number of level 1 events

2.1.4 Events

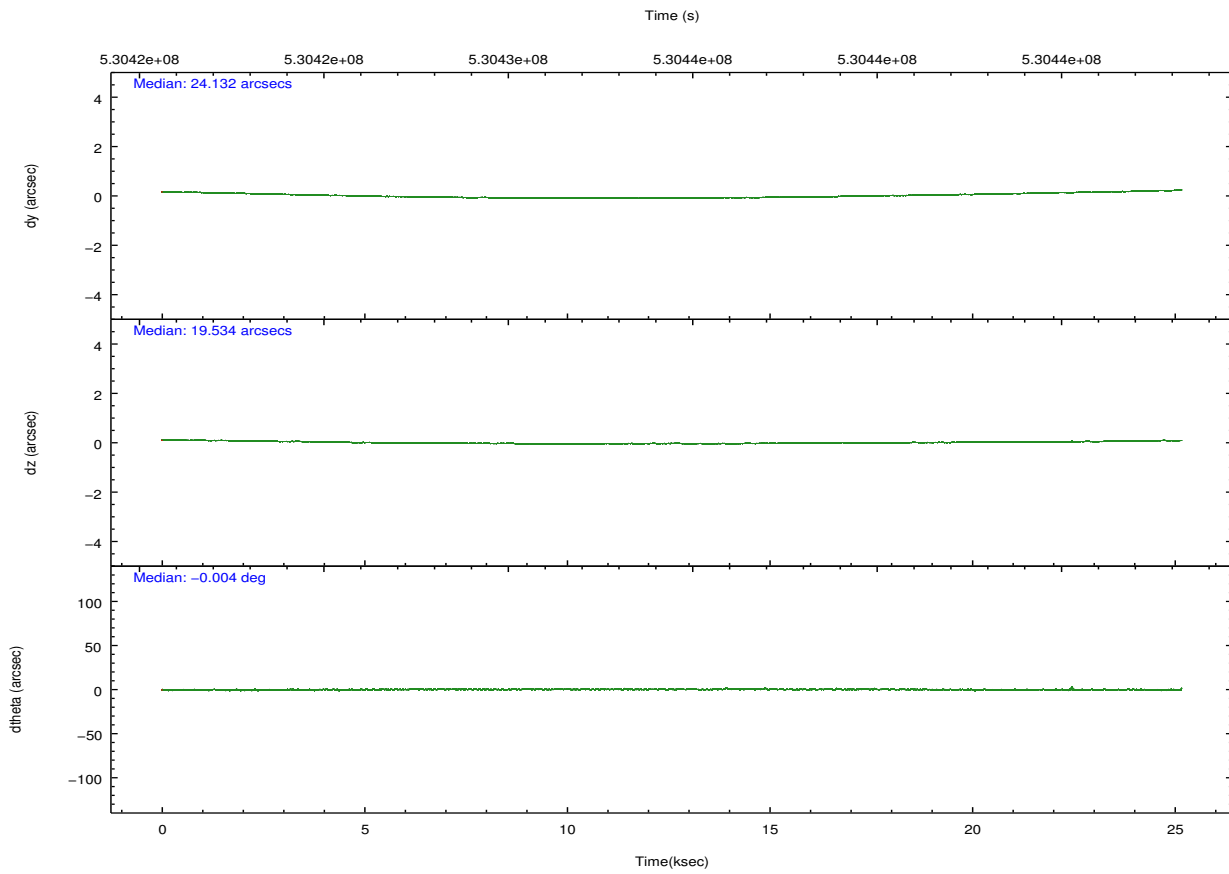
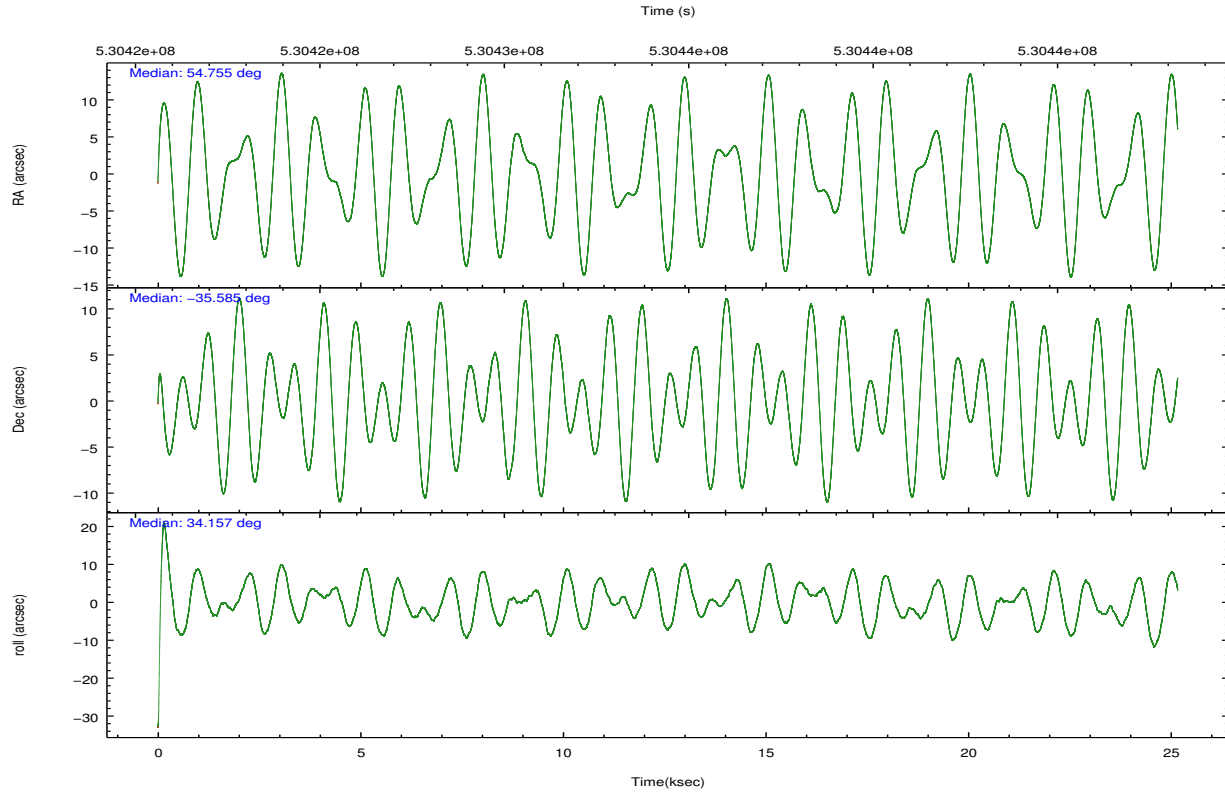
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	128111	233235	138009	195936	175692
rejected events	112222	113298	117587	102217	129555
rejected %	87%	48%	85%	52%	73%

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	6509	19532	9156	12290	14500
	5%	8%	6%	6%	8%
grade 1 events	81	999	88	186	122
	0%	0%	0%	0%	0%
grade 2 events	3134	33827	4123	20680	10555
	2%	14%	2%	10%	6%
grade 3 events	1683	4256	1568	7934	4654
	1%	1%	1%	4%	2%
grade 4 events	1508	4063	1617	7784	4505
	1%	1%	1%	3%	2%
grade 5 events	6591	14392	6682	17550	9694
	5%	6%	4%	8%	5%
grade 6 events	3055	58276	3959	45047	11928
	2%	24%	2%	22%	6%
grade 7 events	105550	97890	110816	84465	119734
	82%	41%	80%	43%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	54.740641	54.75497959557288	Subarray requested	NONE	NONE
[deg] Pointing Dec	-35.610247	-35.58539505435113	Alternating exposures requested	N	N
[deg] Pointing Roll	33.991643	34.15658973696374	[s] Primary exposure time	0.000000	3.1
[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)	530422016.184000	530420798.94079			
Observation start date	2014-10-23T03:25:49	2014-10-23T03:06:38			
[s] Observation end time (MET)	530447016.184000	530448356.06732			
Observation end date	2014-10-23T10:22:29	2014-10-23T10:45:56			
Read mode	TIMED	TIMED			

2.3 Aspect

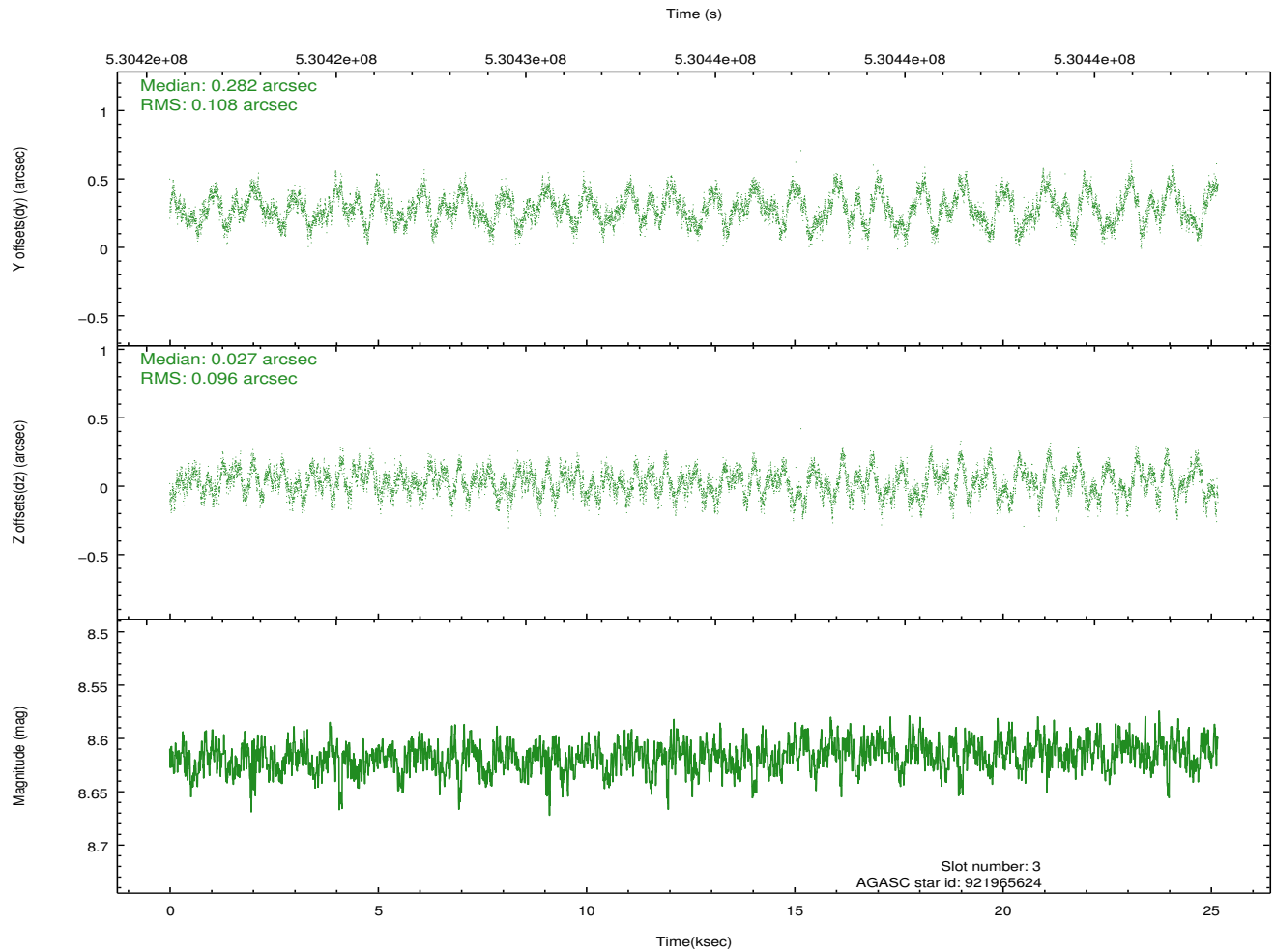
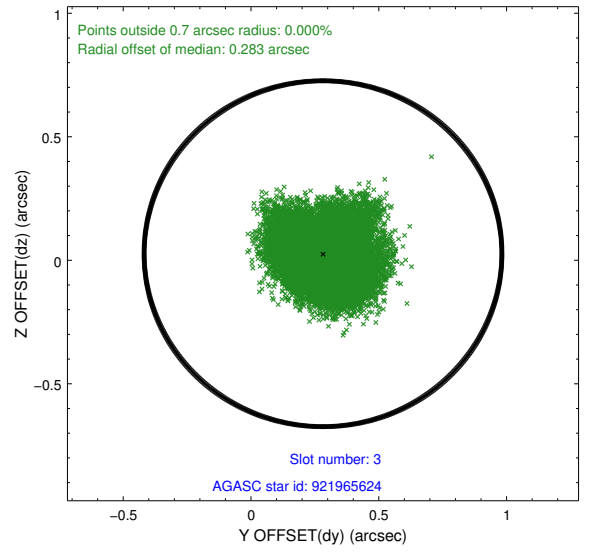
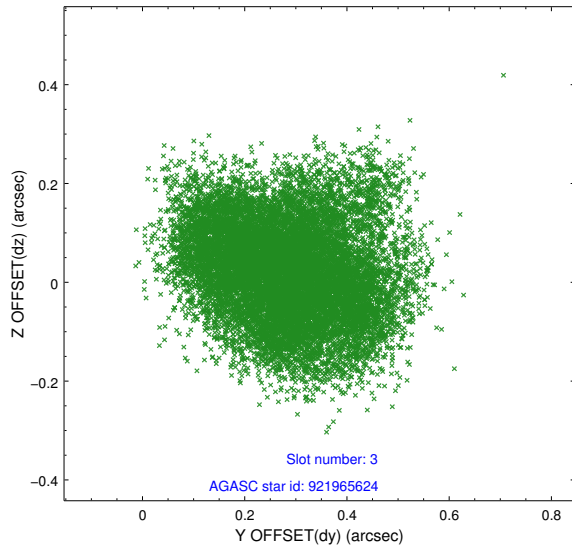


Slot Statistics

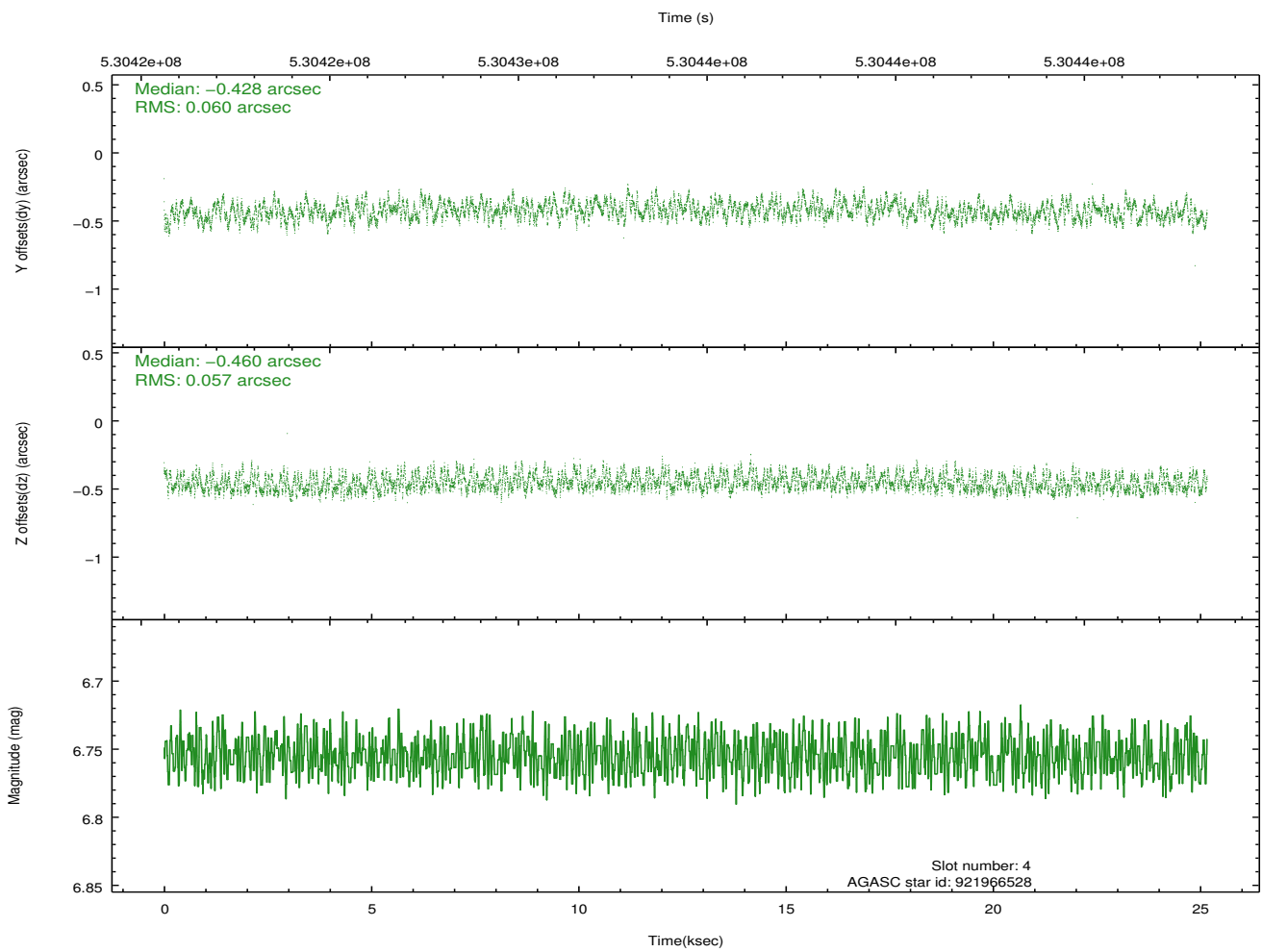
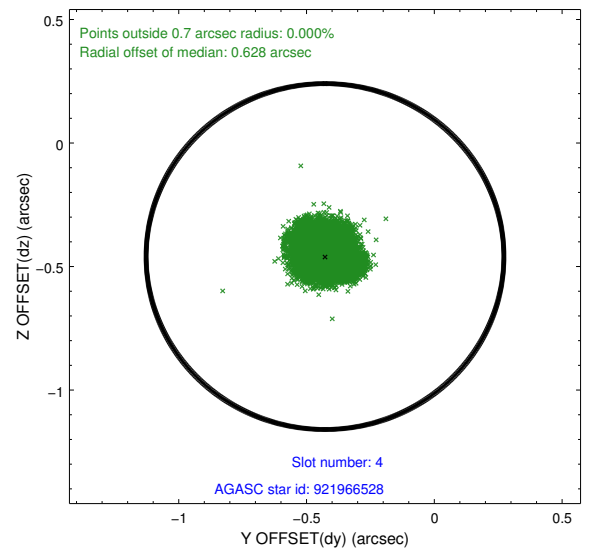
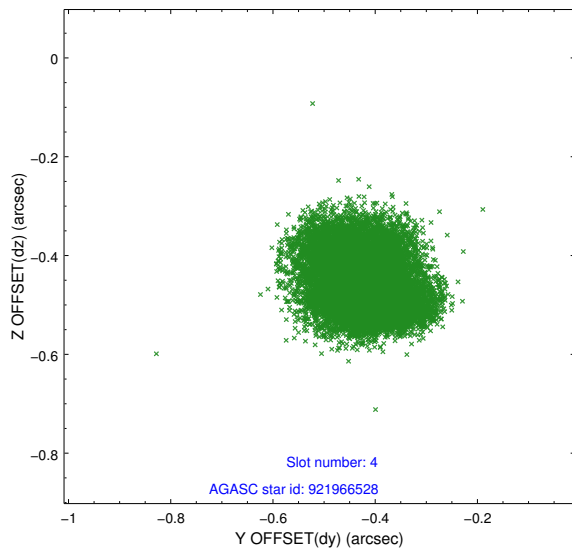
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	6139	-0.198	-0.056	0.012	0.017	0.000000	0.000000	-777.56	-1741.10
1	FID	ACIS-S-4	7.20	6138	0.418	0.110	0.006	0.011	0.000000	0.000000	2136.27	167.43
2	FID	ACIS-S-5	7.23	6138	-0.252	-0.045	0.012	0.018	0.000000	0.000000	-1830.31	161.07
3	GUIDE	921965624	8.62	12275	0.282	0.027	0.159	0.239	54.900706	-35.940077	-276.78	-1245.40
4	GUIDE	921966528	6.75	12277	-0.428	-0.460	0.090	0.140	54.675841	-35.204254	659.09	1318.11
5	GUIDE	921966544	7.92	12275	-0.069	0.180	0.080	0.128	54.743508	-35.636012	-45.51	-81.17
6	GUIDE	921970016	9.38	12273	0.141	0.341	0.225	0.330	54.228536	-36.081558	-2183.12	-577.81
7	GUIDE	921970112	9.56	12267	0.065	-0.112	0.146	0.241	54.291262	-35.695592	-1262.69	477.36

2.4 Star Slots

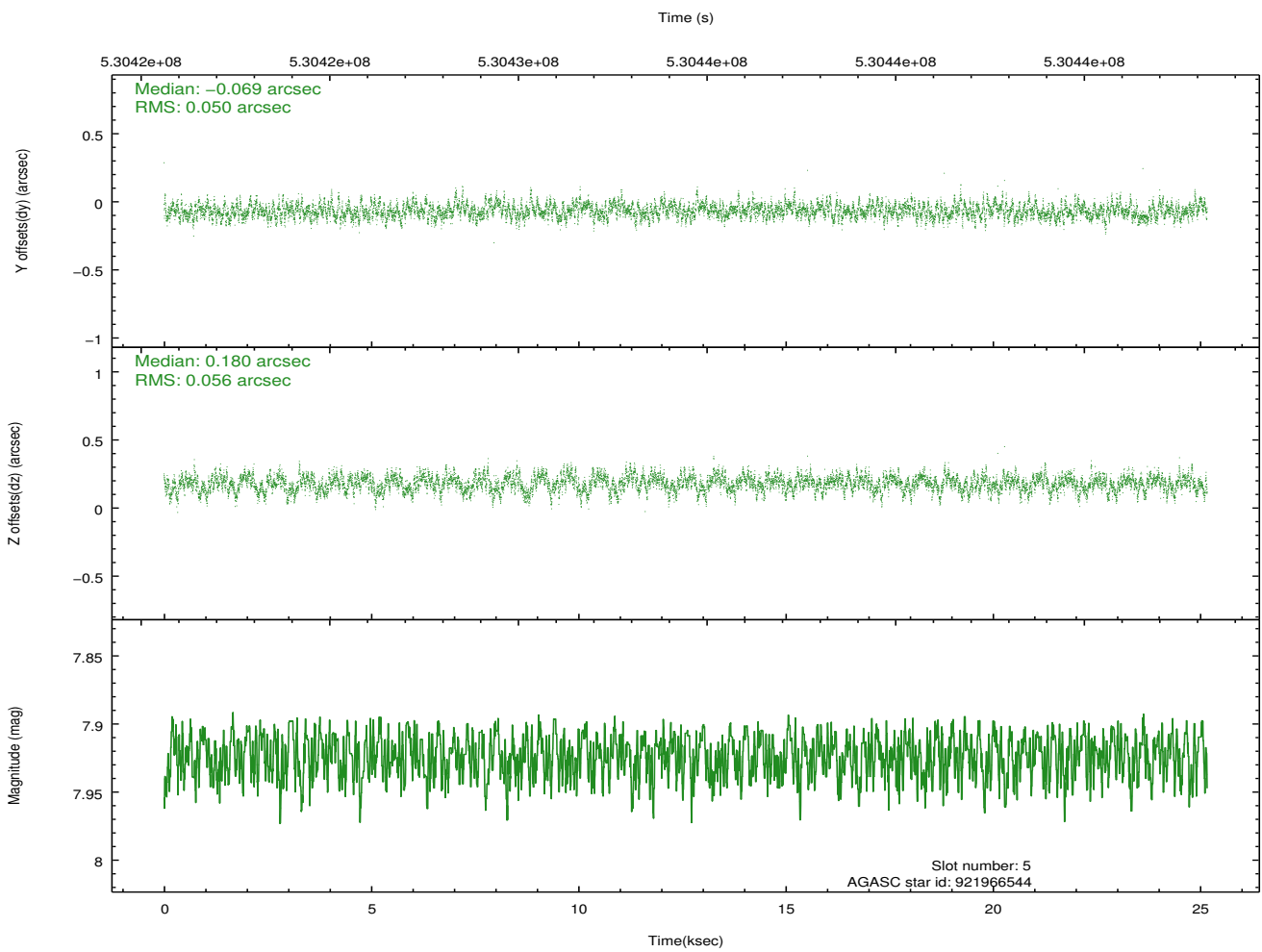
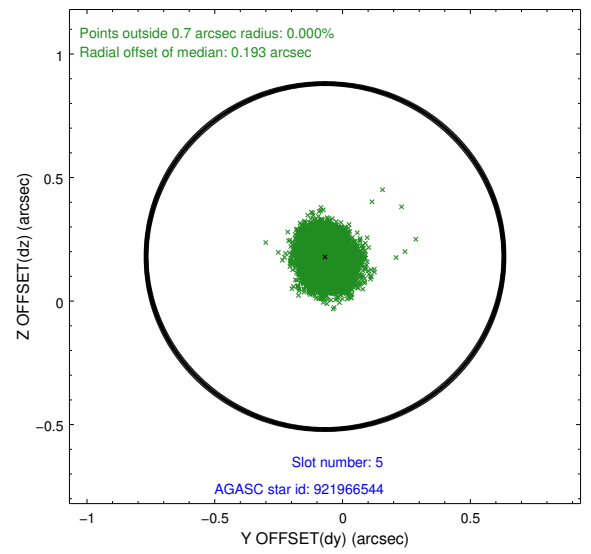
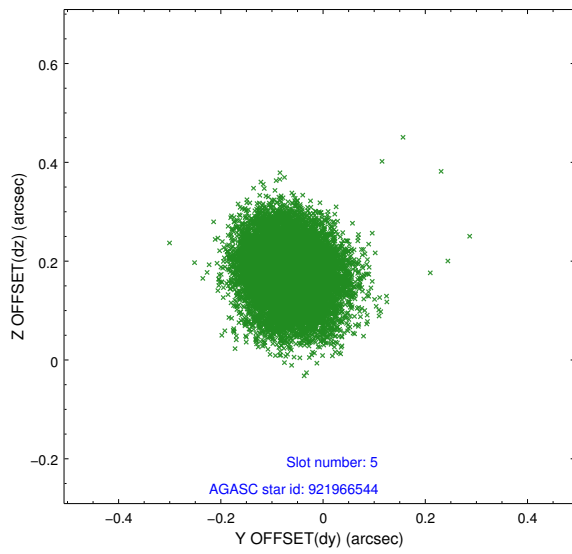
2.4.1 Slot 3



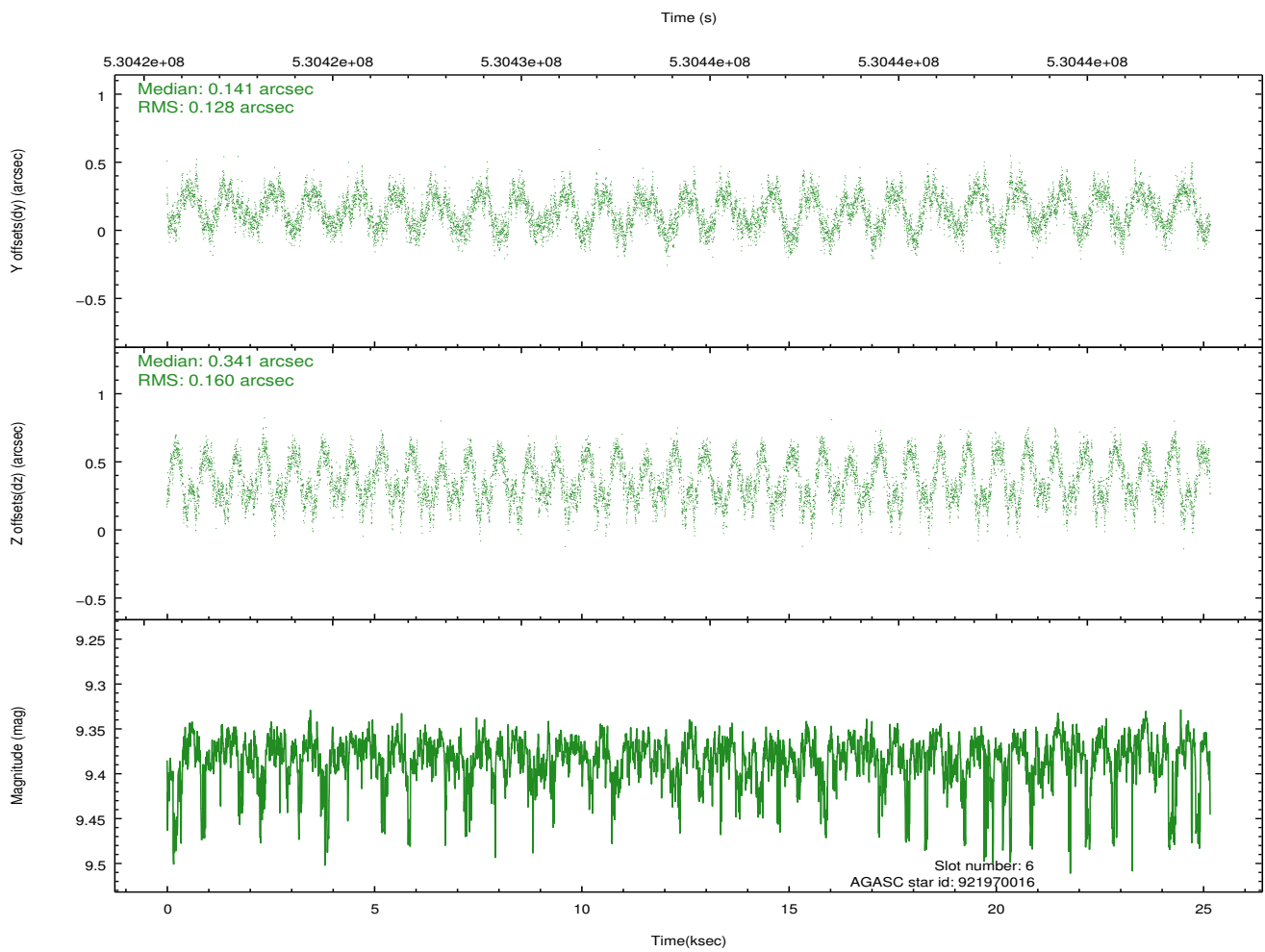
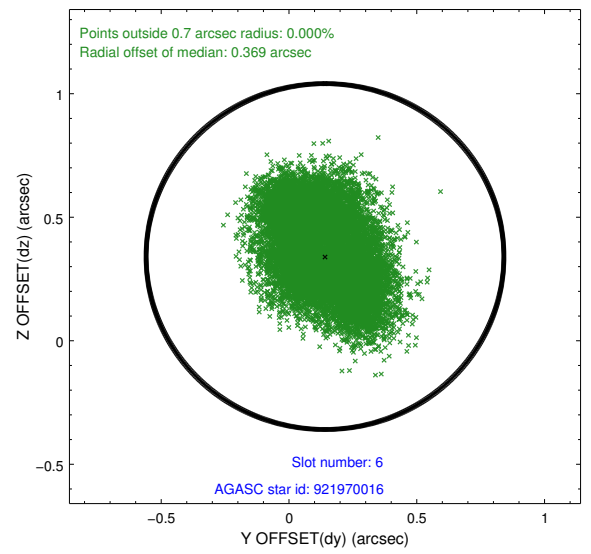
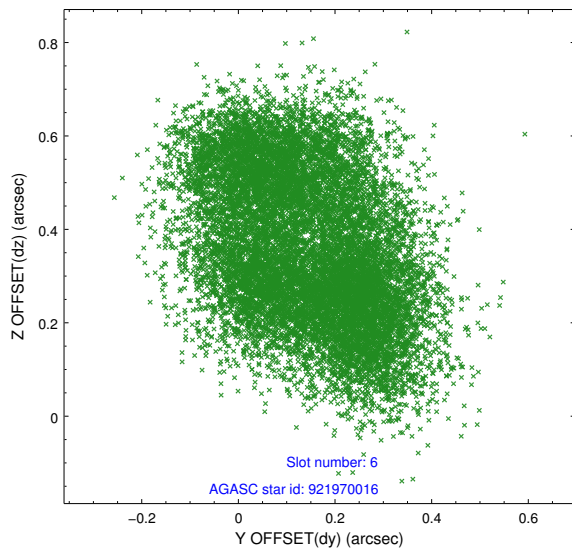
2.4.2 Slot 4



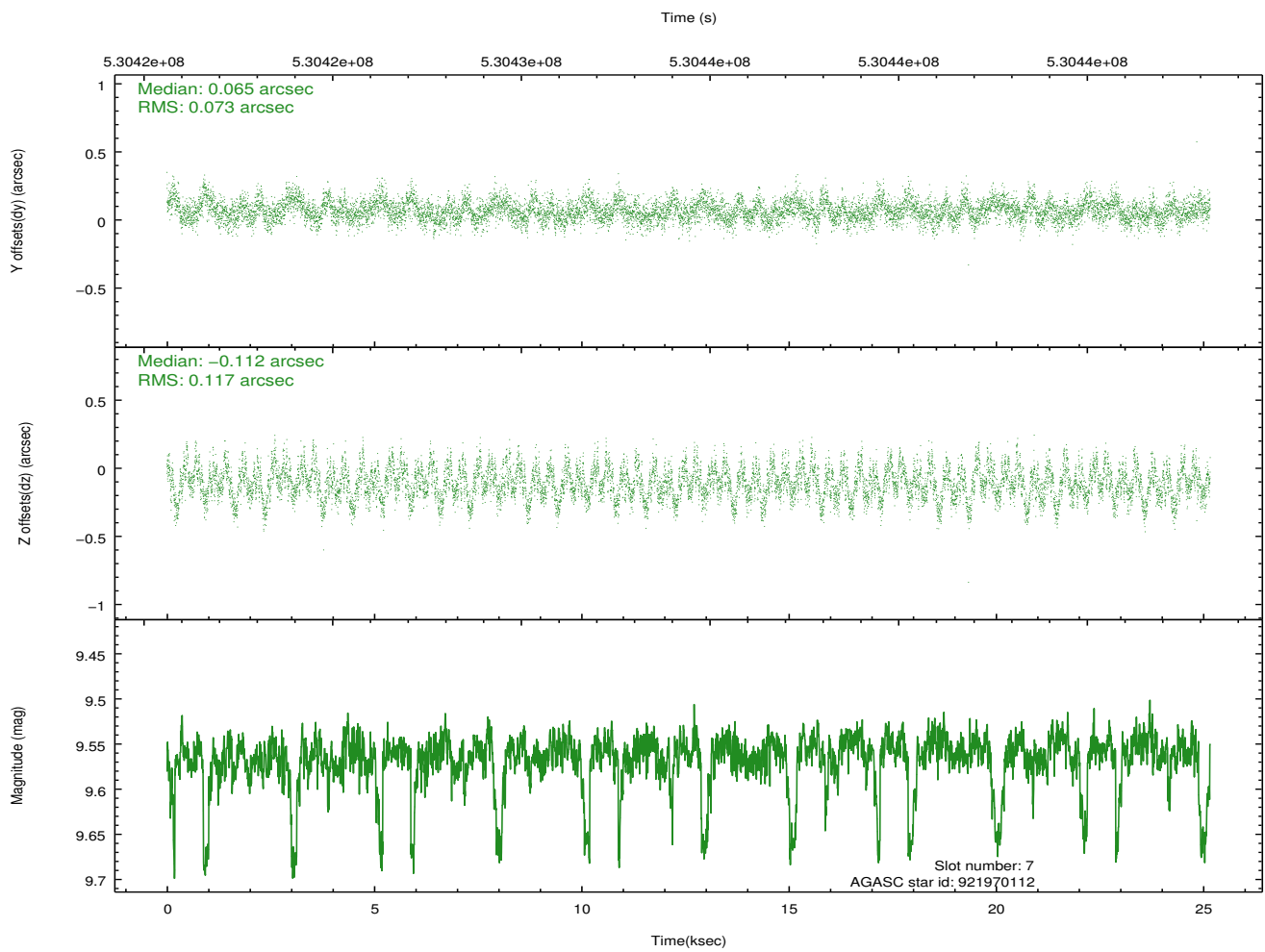
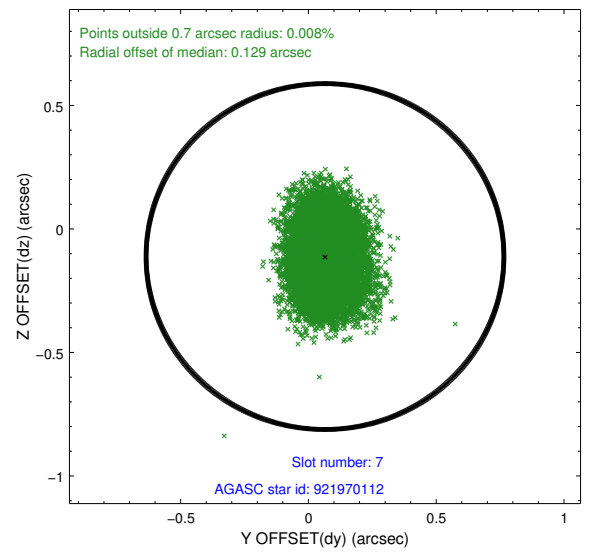
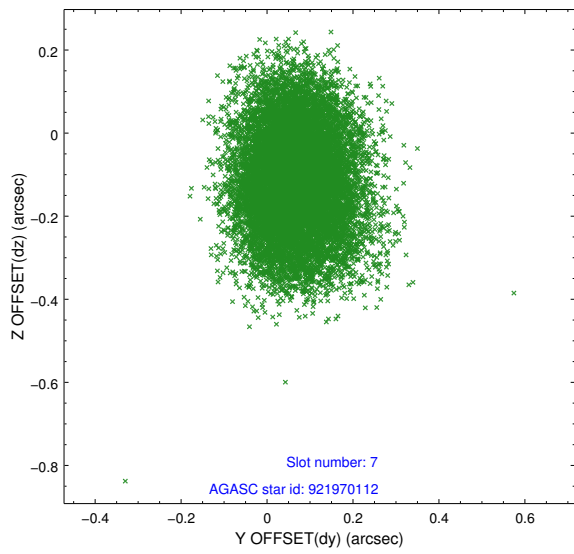
2.4.3 Slot 5



2.4.4 Slot 6

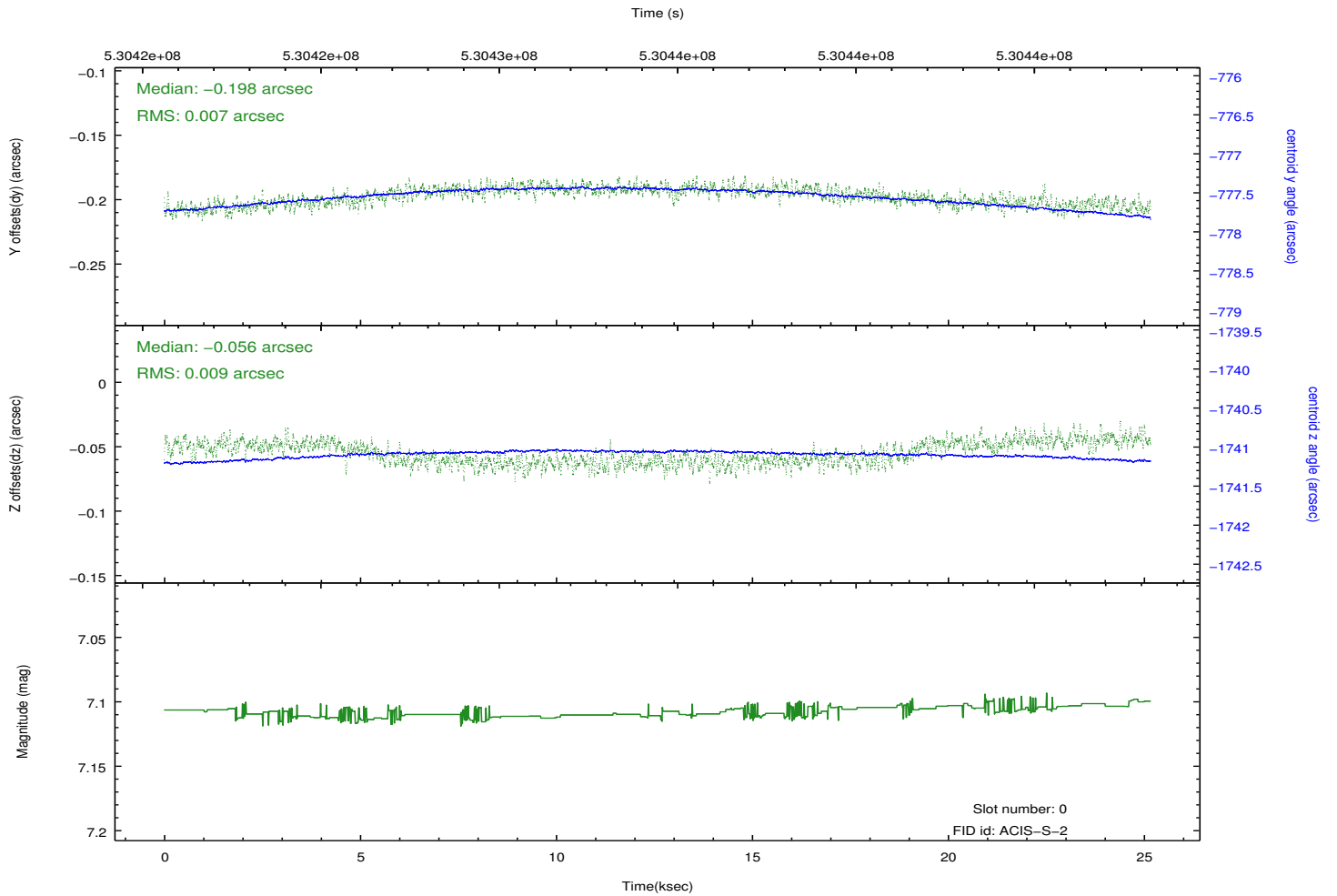
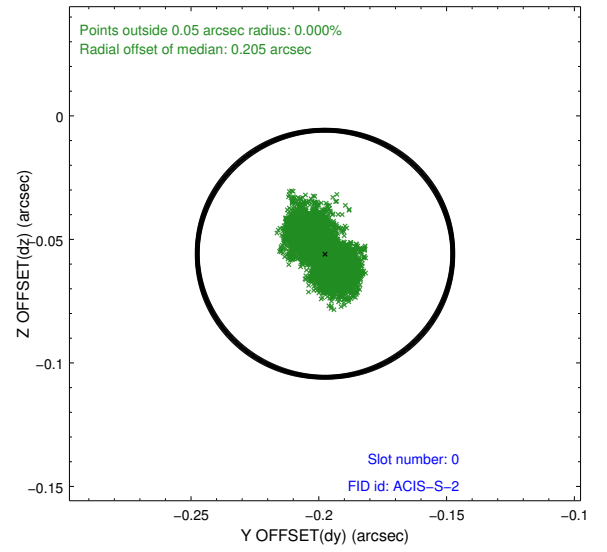
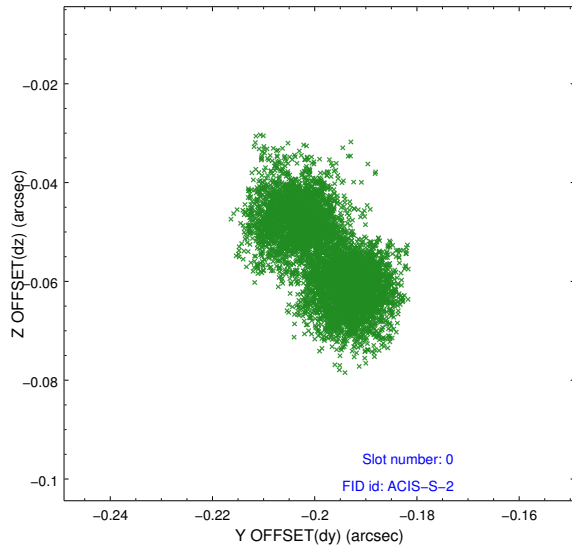


2.4.5 Slot 7

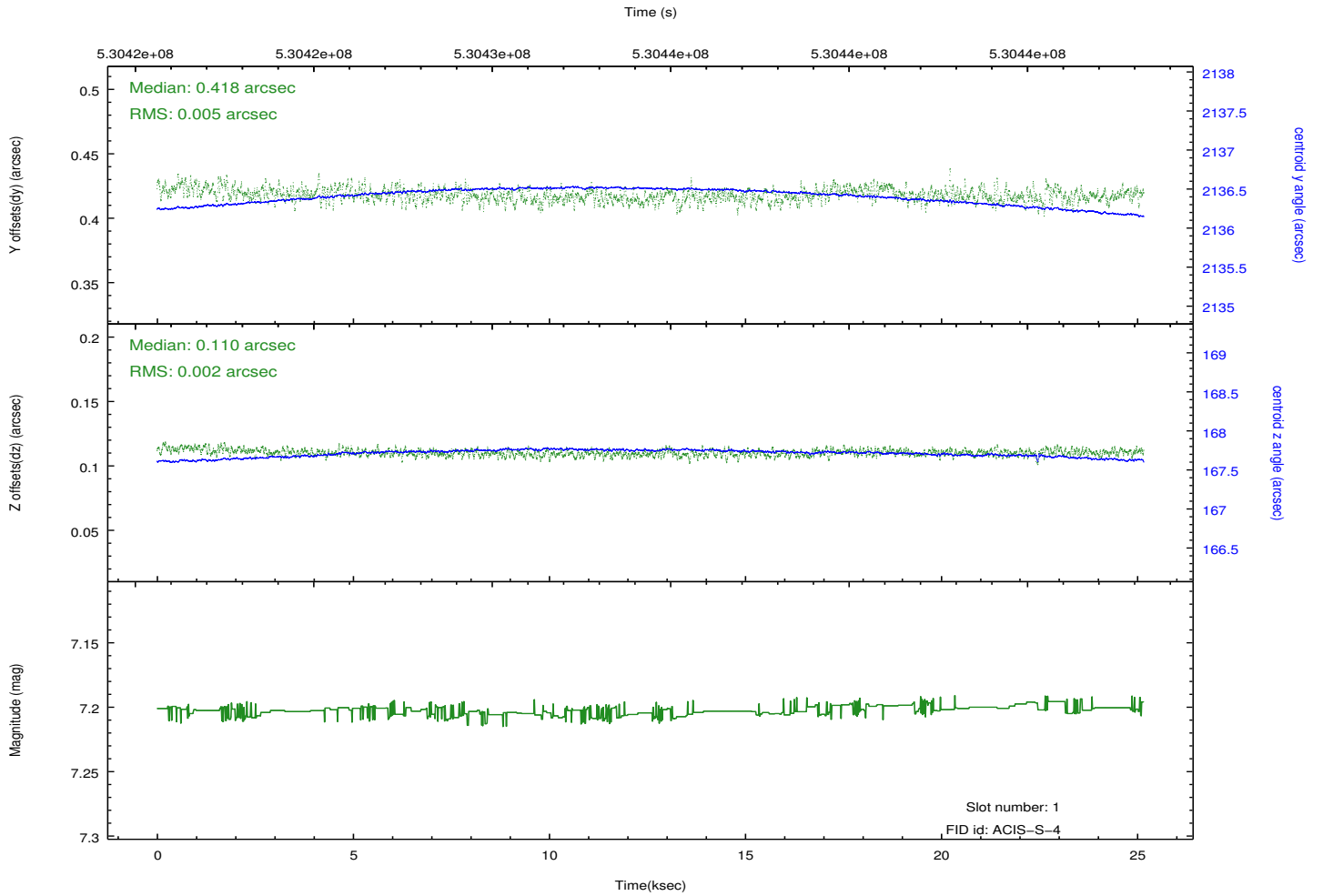
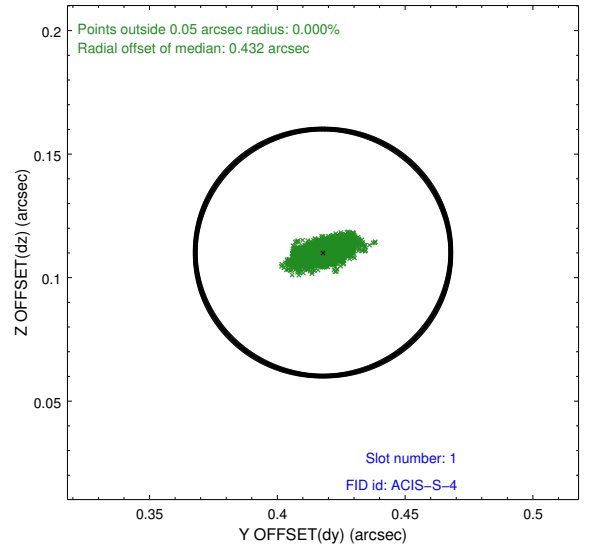
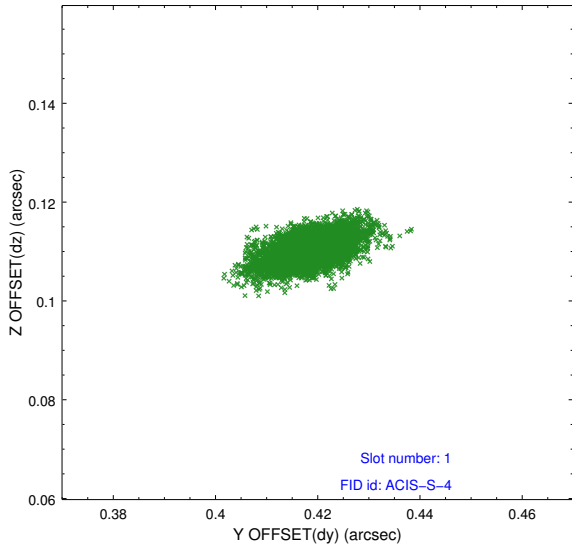


2.5 FID Slots

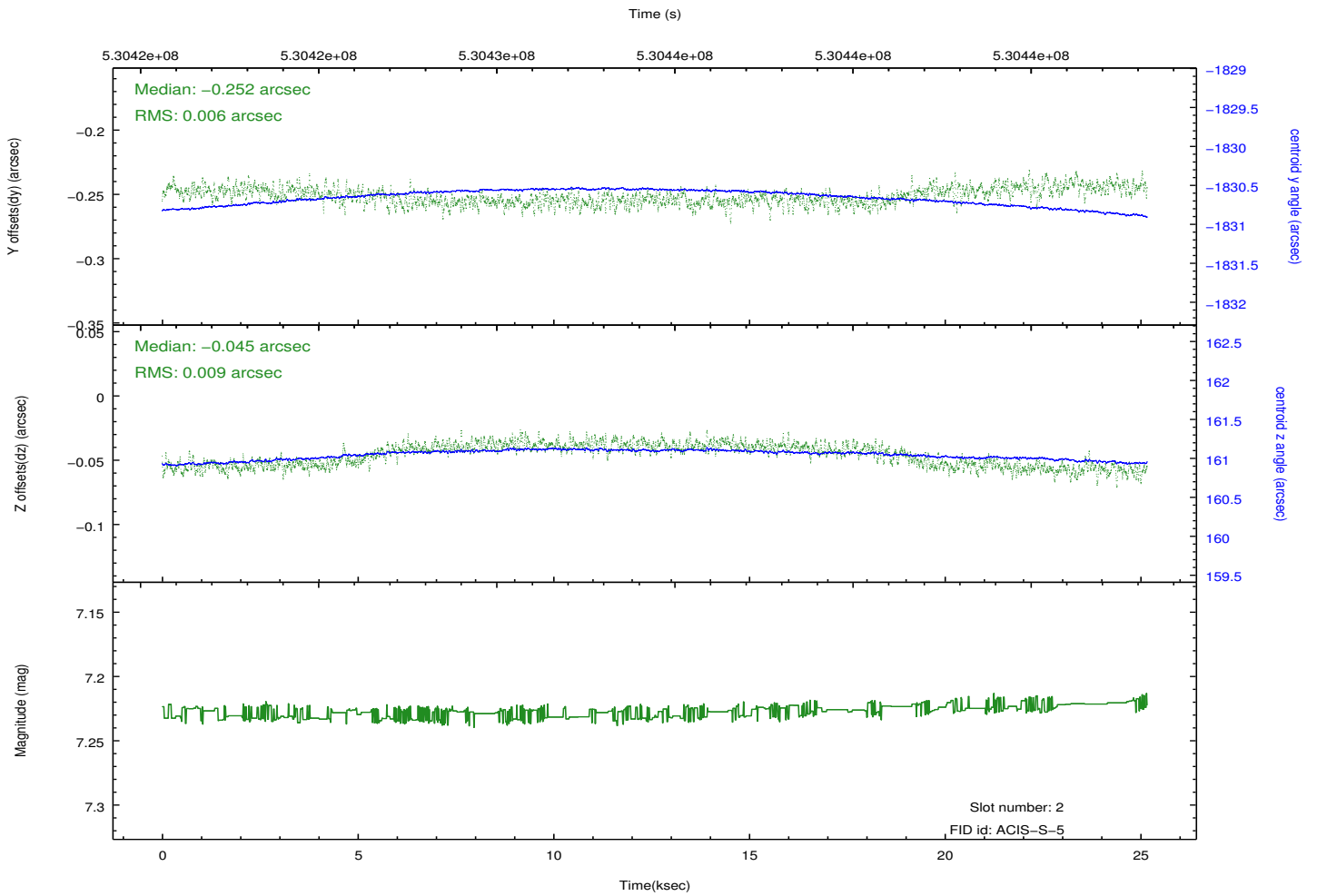
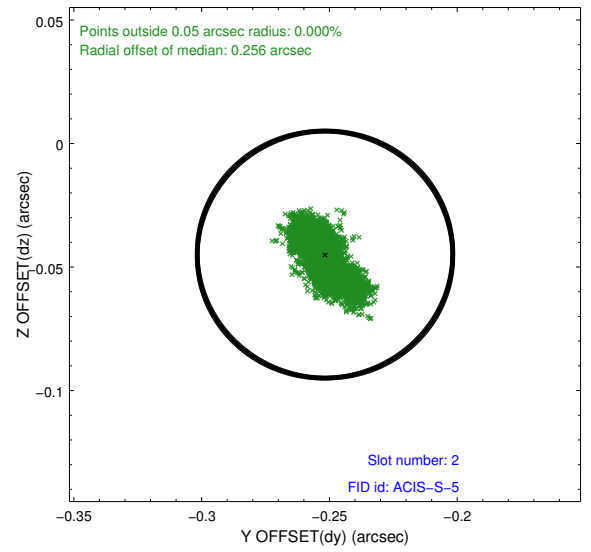
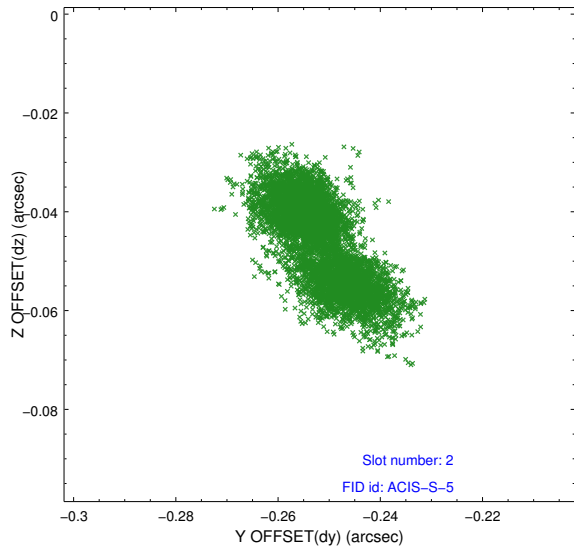
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.060400192738

A.2 Comments