

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4174 - L2 Version 3
Chandra X-Ray Center

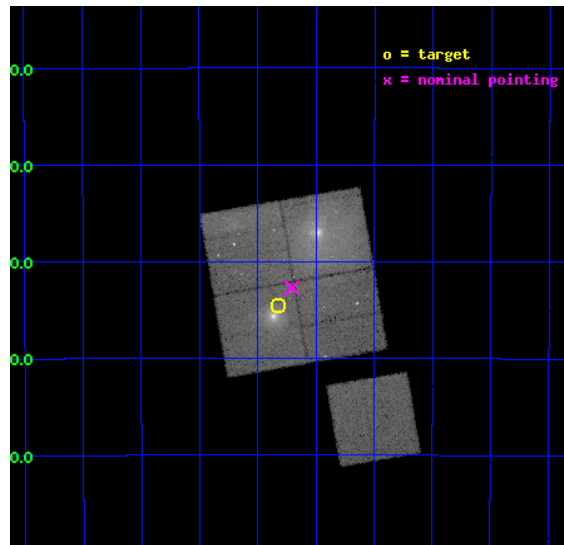
L2 Processing Date : Oct 29 2012

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1 Front

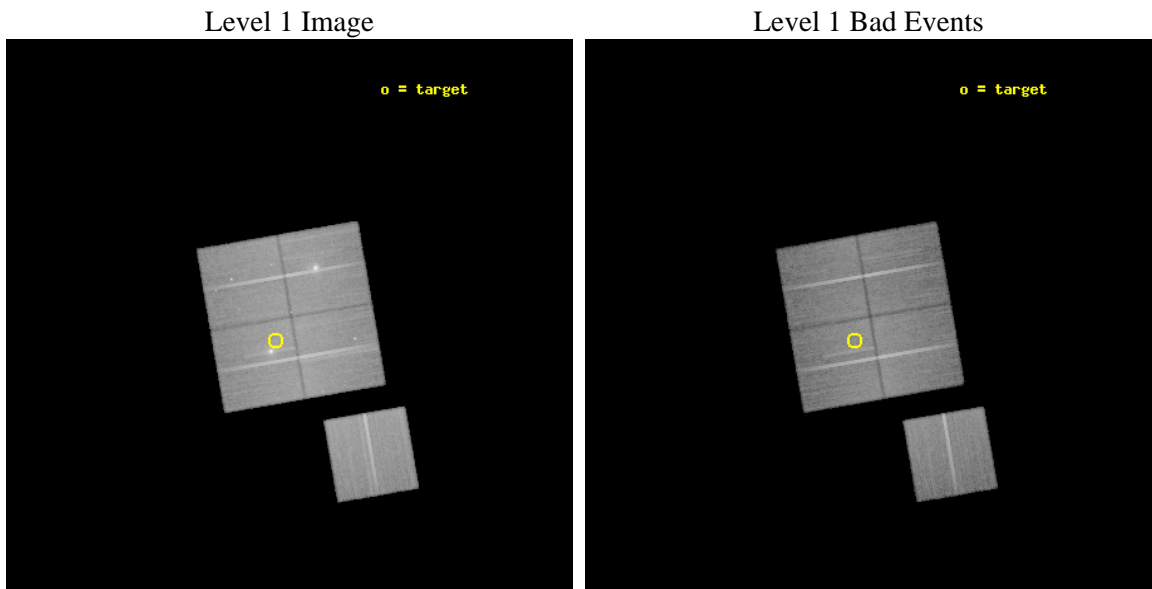
seq_num	800330	Sequence number
obs_id	4174	Observation id
title	SURVEYING THE FORNAX CLUSTER OF GALAXIES	Proposal title
observer	Dr Caleb Scharf	Principal investigator
object	FORNAX CLUSTER	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.70659	Observer's specified target RA [deg]
dec_targ	-35.57676	Observer's specified target Dec [deg]
ra_nom	54.676889901518	Nominal RA [deg]
dec_nom	-35.545286241684	Nominal Dec [deg]
roll_nom	170.19140813549	Nominal Roll [deg]
revision	3	Processing version of data
ontime	46273.617990524	Sum of GTIs [s]
livetime	45669.019105335	Livetime [s]
ontime0	46276.758940756	Sum of GTIs [s]
ontime1	46270.47701028	Sum of GTIs [s]
ontime2	46270.476980448	Sum of GTIs [s]
ontime3	46273.617990524	Sum of GTIs [s]
ontime6	46273.61798051	Sum of GTIs [s]
l2events	238573	Number of level 2 events



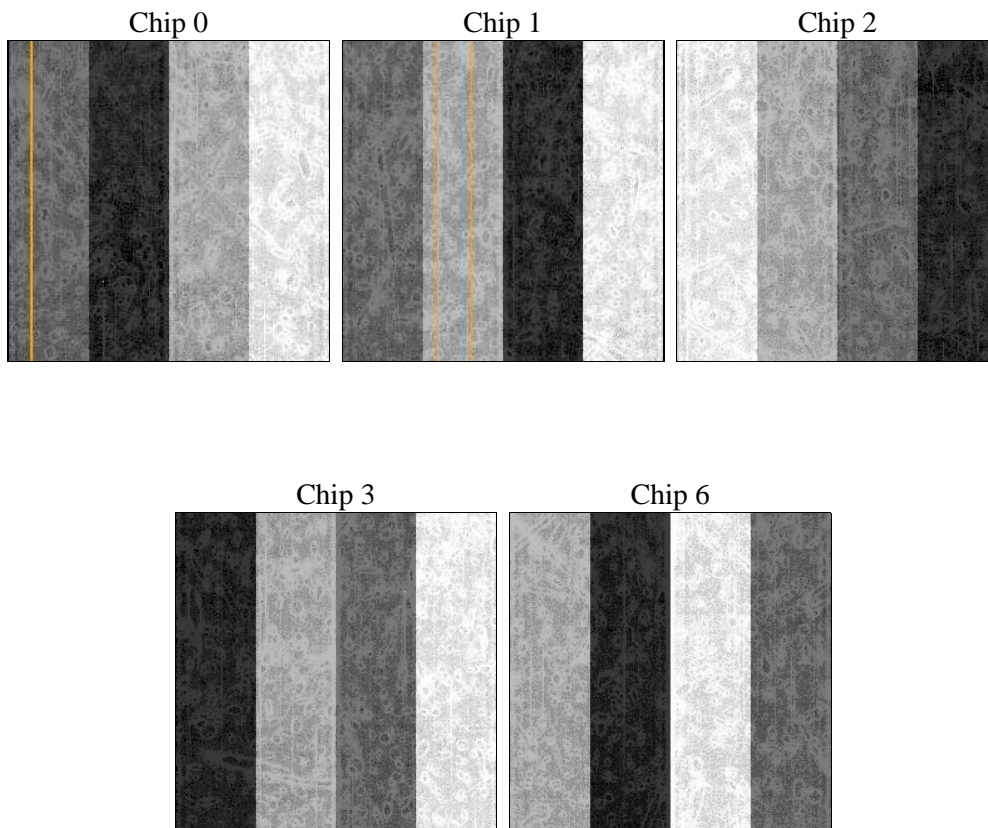
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	46150.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	46273.617990524	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	46276.758940756	Sum of GTIs [s]
date	2012-10-29T05:29:01	Date and time of file creation	ontime1	46270.47701028	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	46270.476980448	Sum of GTIs [s]
			ontime3	46273.617990524	Sum of GTIs [s]
			ontime6	46273.61798051	Sum of GTIs [s]
			l1events	1672292	Number of level 1 events

2.1.4 Events

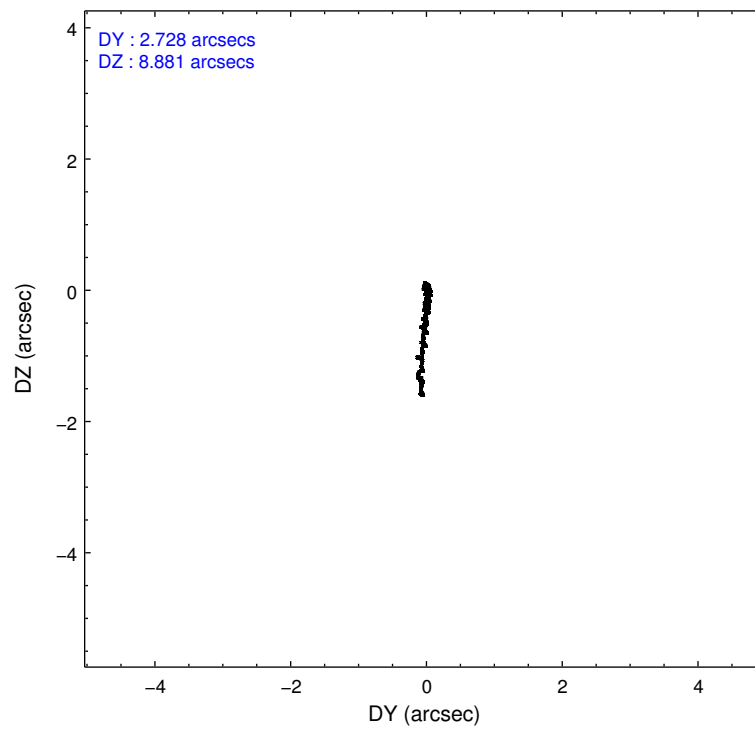
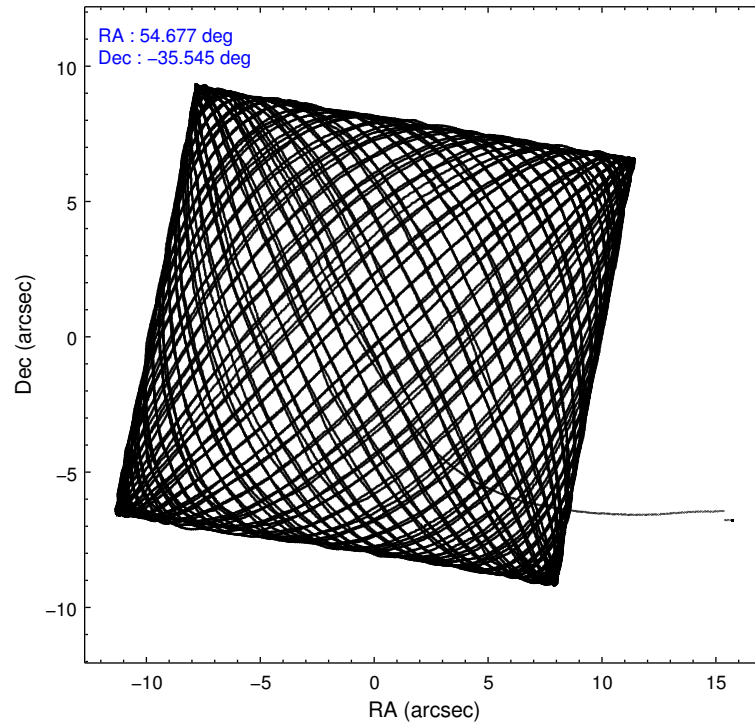
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	343718	305974	351018	343506	328076
rejected events	246420	254220	299026	287984	288709
rejected %	71%	83%	85%	83%	88%

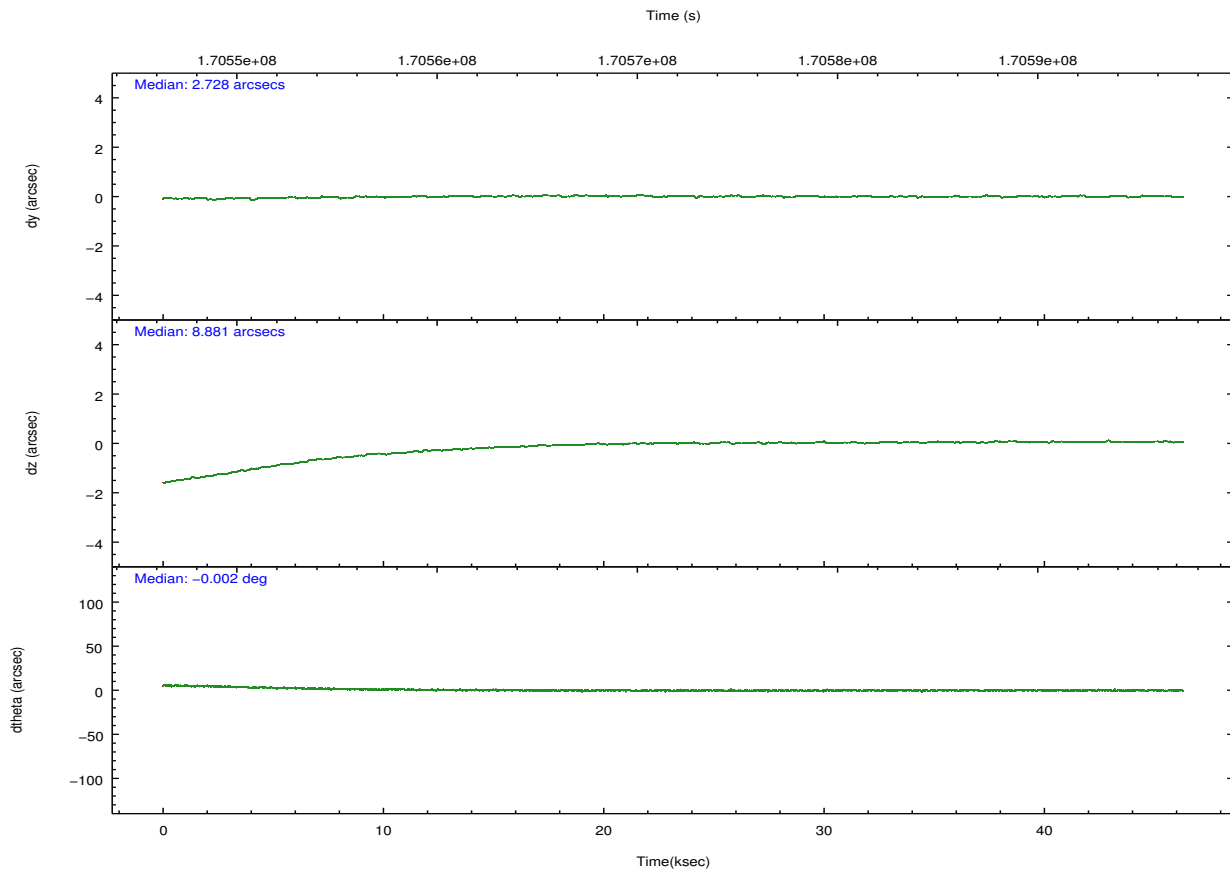
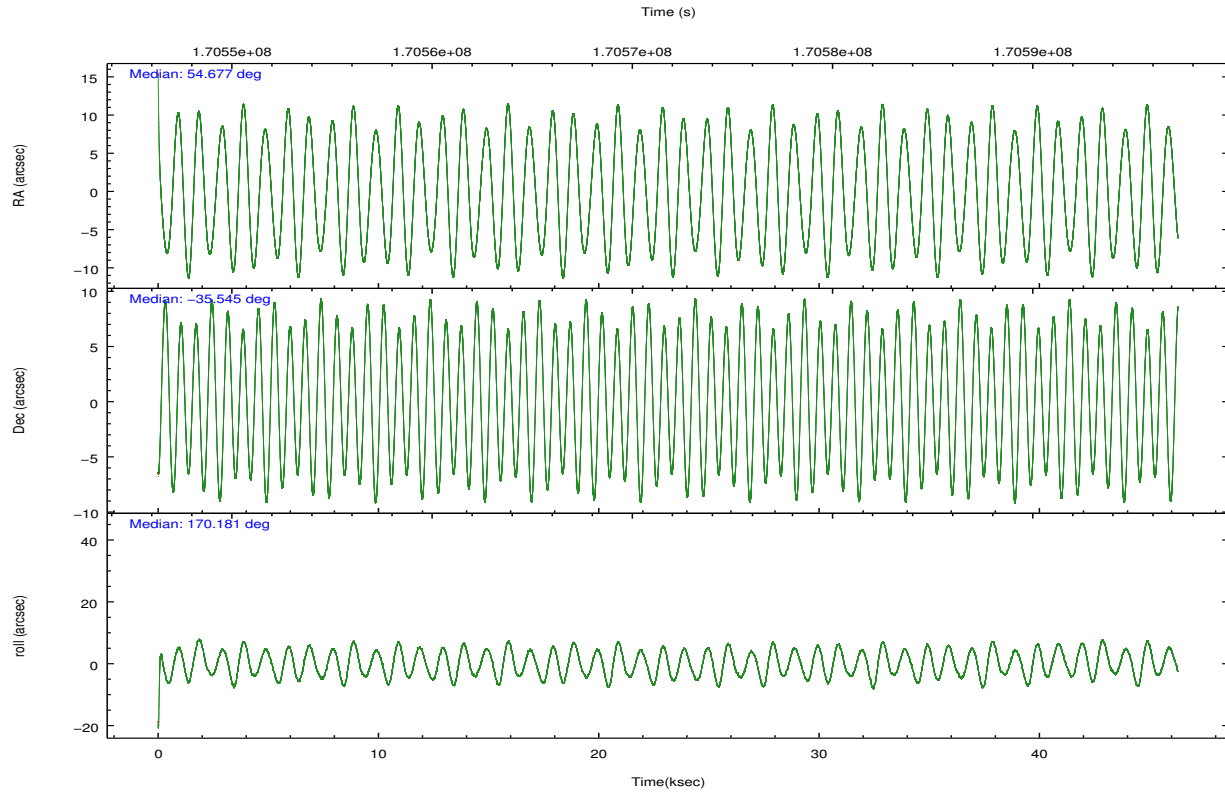
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	68987	28671	27925	35518	18512
	20%	9%	7%	10%	5%
grade 1 events	421	174	266	278	171
	0%	0%	0%	0%	0%
grade 2 events	14930	9841	11766	8545	9487
	4%	3%	3%	2%	2%
grade 3 events	4498	3880	3312	3496	3168
	1%	1%	0%	1%	0%
grade 4 events	4286	3736	4496	3506	3173
	1%	1%	1%	1%	0%
grade 5 events	8730	9005	8317	9673	9492
	2%	2%	2%	2%	2%
grade 6 events	6018	6813	5730	5505	6163
	1%	2%	1%	1%	1%
grade 7 events	235848	243854	289206	276985	277910
	68%	79%	82%	80%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	54.708411	54.6768899015176	Subarray requested	NONE	NONE
[deg] Pointing Dec	-35.535738	-35.54528624168405	Alternating exposures requested	N	N
[deg] Pointing Roll	170.001053	170.1914081354928	[s] Primary exposure time	0.000000	3.1
[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)	170548779.184000	170547008.318			
Observation start date	2003-05-28T22:38:35	2003-05-28T22:10:08			
[s] Observation end time (MET)	170594929.184000	170595062.88254			
Observation end date	2003-05-29T11:27:45	2003-05-29T11:31:02			
Read mode	TIMED	TIMED			

2.3 Aspect





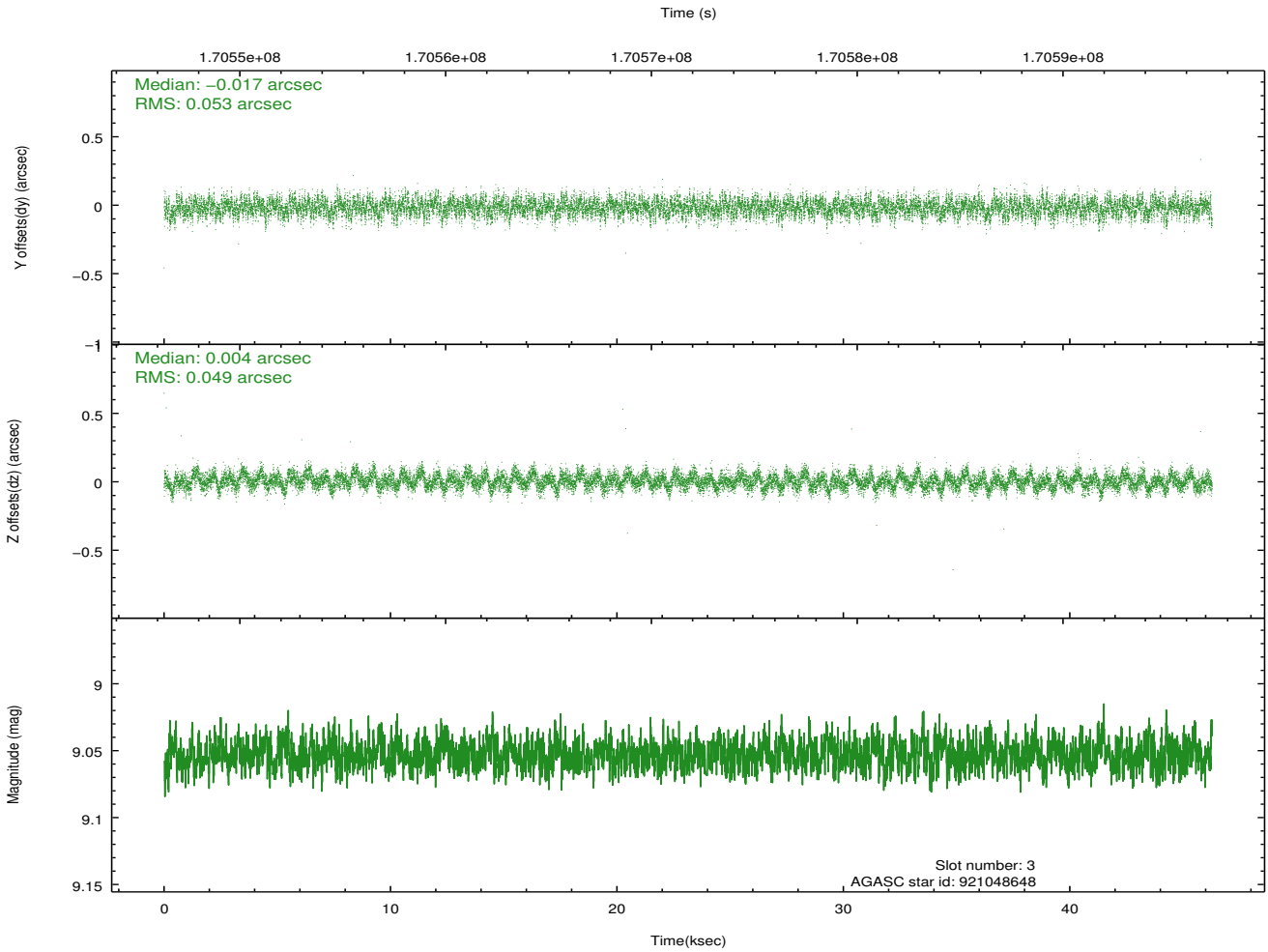
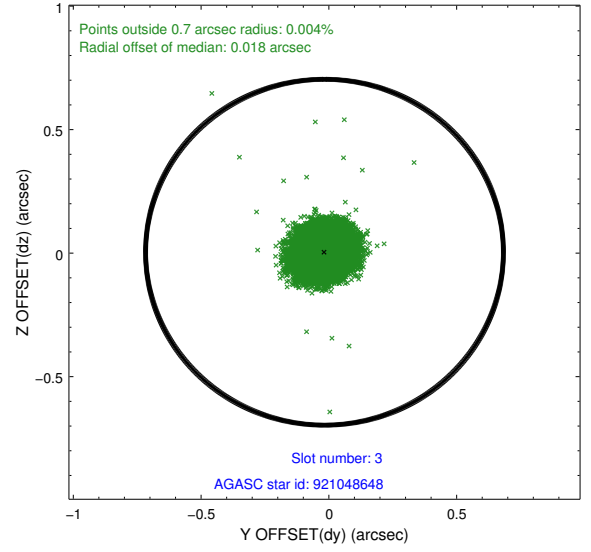
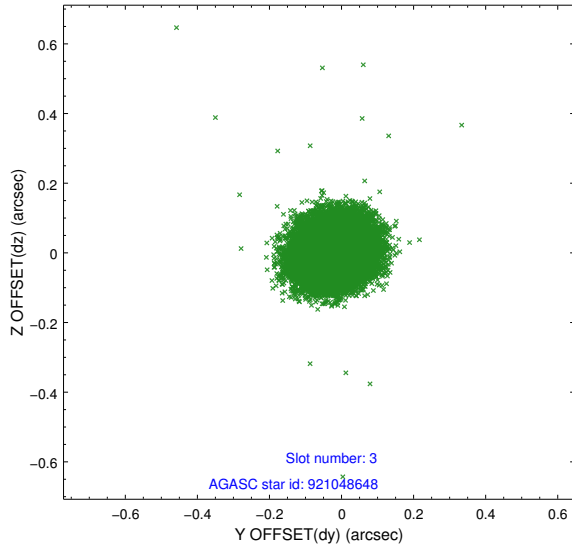
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11288	-0.012	0.044	0.012	0.046	0.000000	0.000000	937.07	-832.05
1	FID	ACIS-I-5	7.23	11289	-0.093	0.032	0.011	0.030	0.000000	0.000000	-1811.13	1065.42
2	FID	ACIS-I-6	7.25	11289	0.013	-0.006	0.008	0.025	0.000000	0.000000	402.63	1709.89
3	GUIDE	921048648	9.05	22564	-0.017	0.004	0.077	0.122	53.884610	-35.870023	2155.99	1612.71
4	GUIDE	921965624	8.63	22576	0.010	-0.048	0.078	0.127	54.900706	-35.940077	-804.68	1336.73
5	GUIDE	921970016	9.40	22566	0.020	-0.134	0.100	0.170	54.228536	-36.081558	1032.45	2180.91
6	GUIDE	921572720	8.75	22574	0.101	0.015	0.098	0.164	54.127171	-34.789534	2158.84	-2341.67
7	GUIDE	921575736	8.54	22574	-0.110	0.167	0.079	0.123	54.586331	-34.827401	798.71	-2448.15

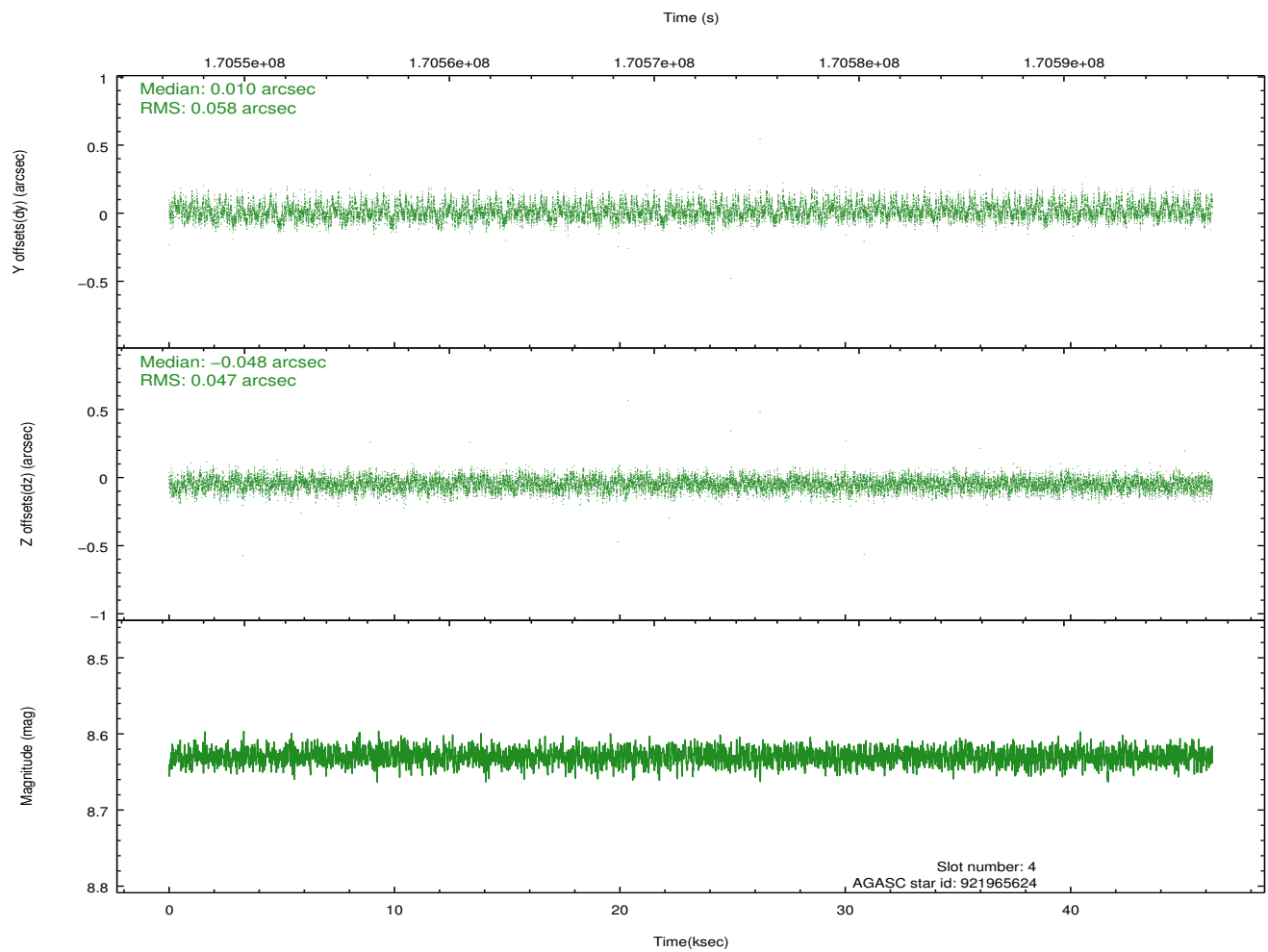
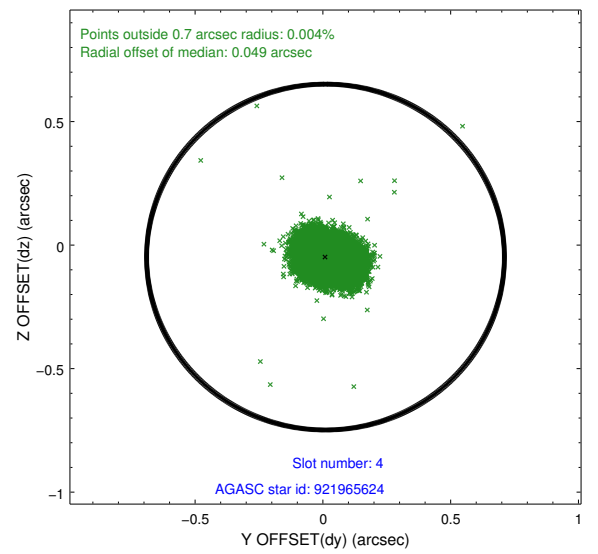
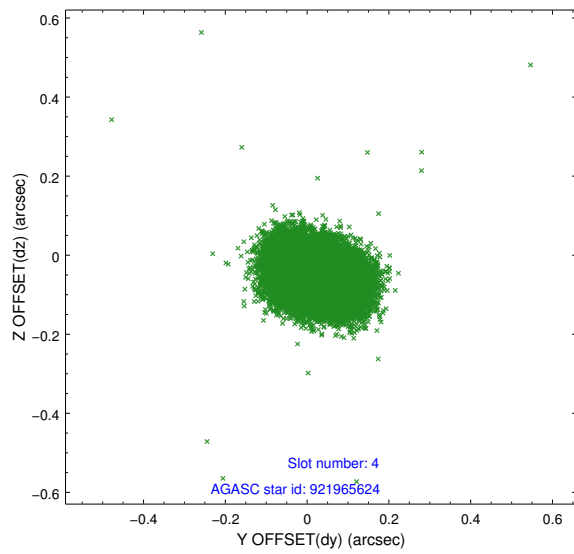
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2.4 Star Slots

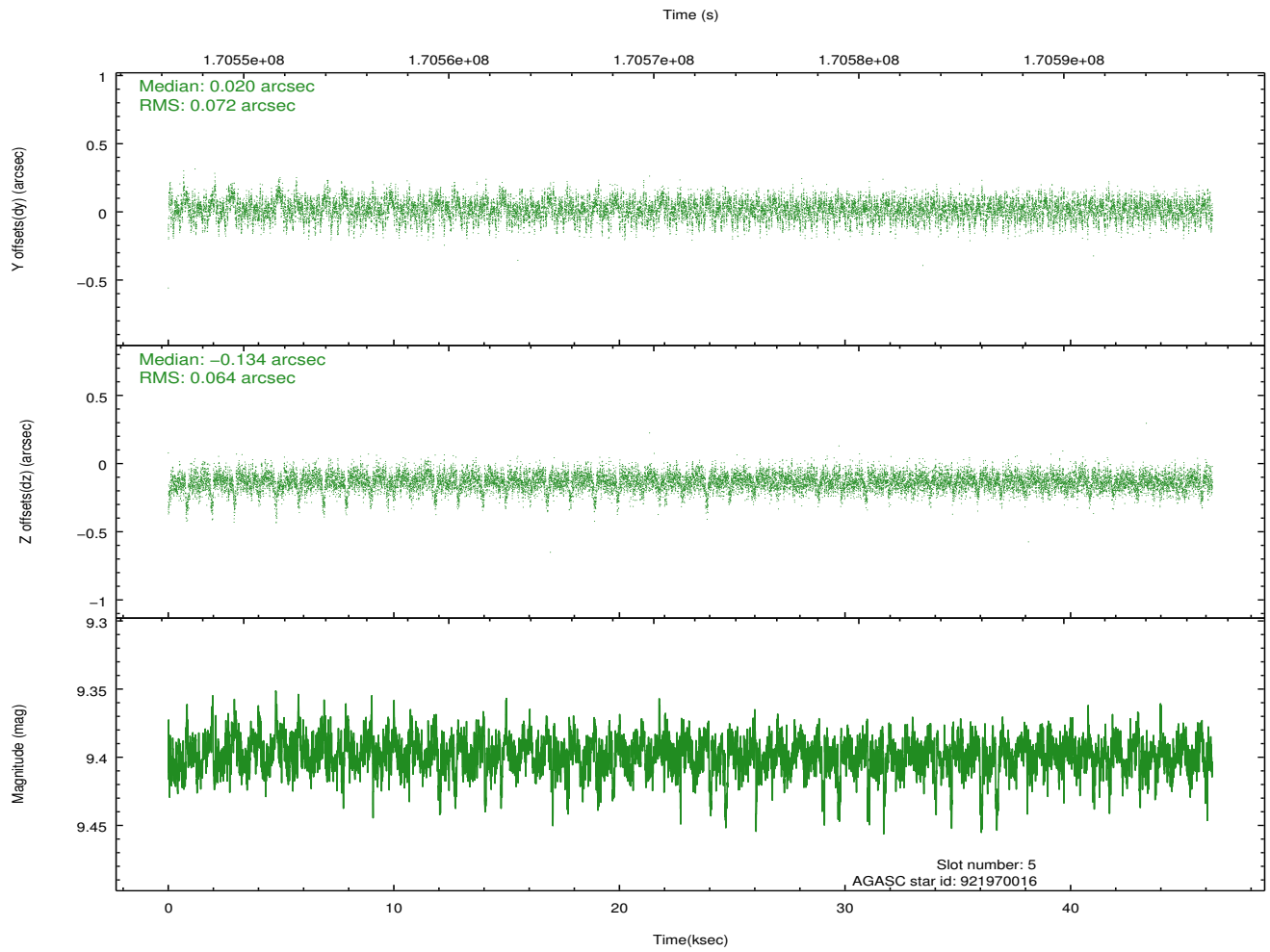
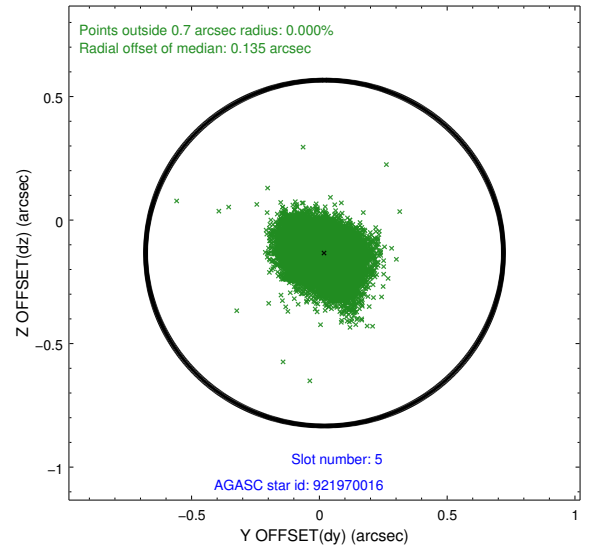
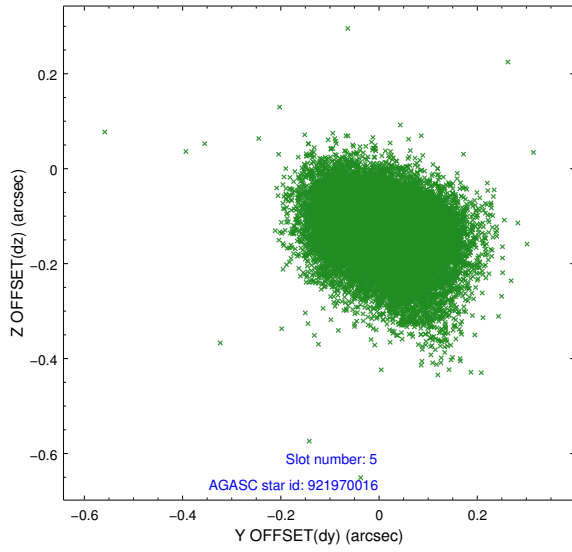
2.4.1 Slot 3



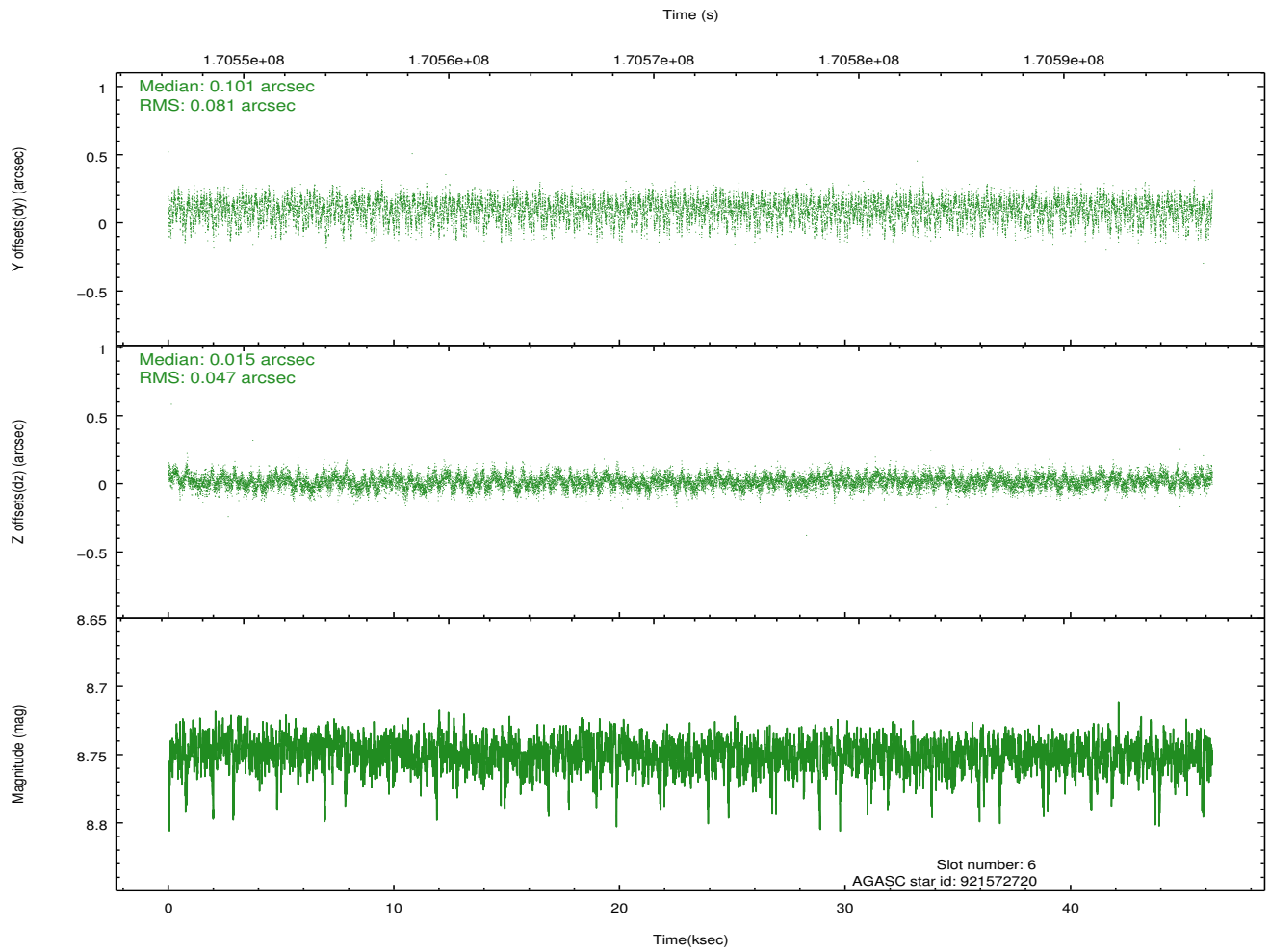
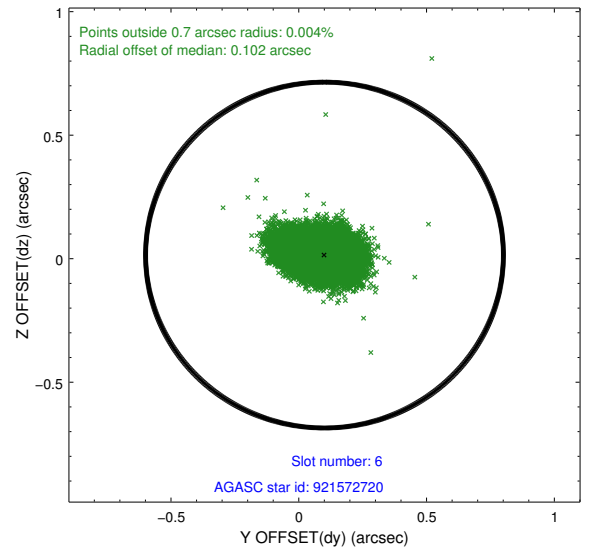
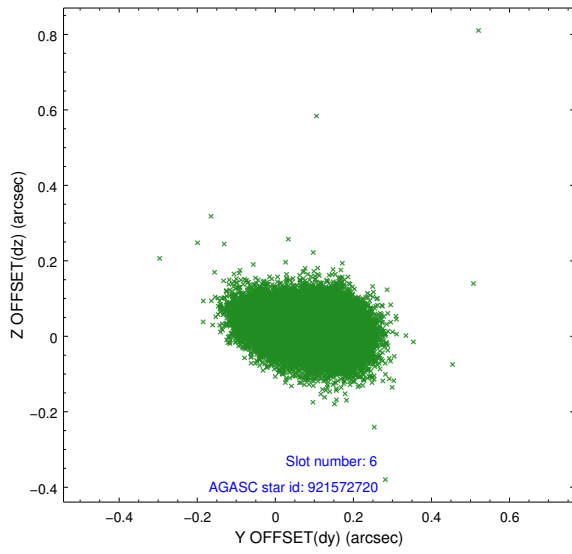
2.4.2 Slot 4



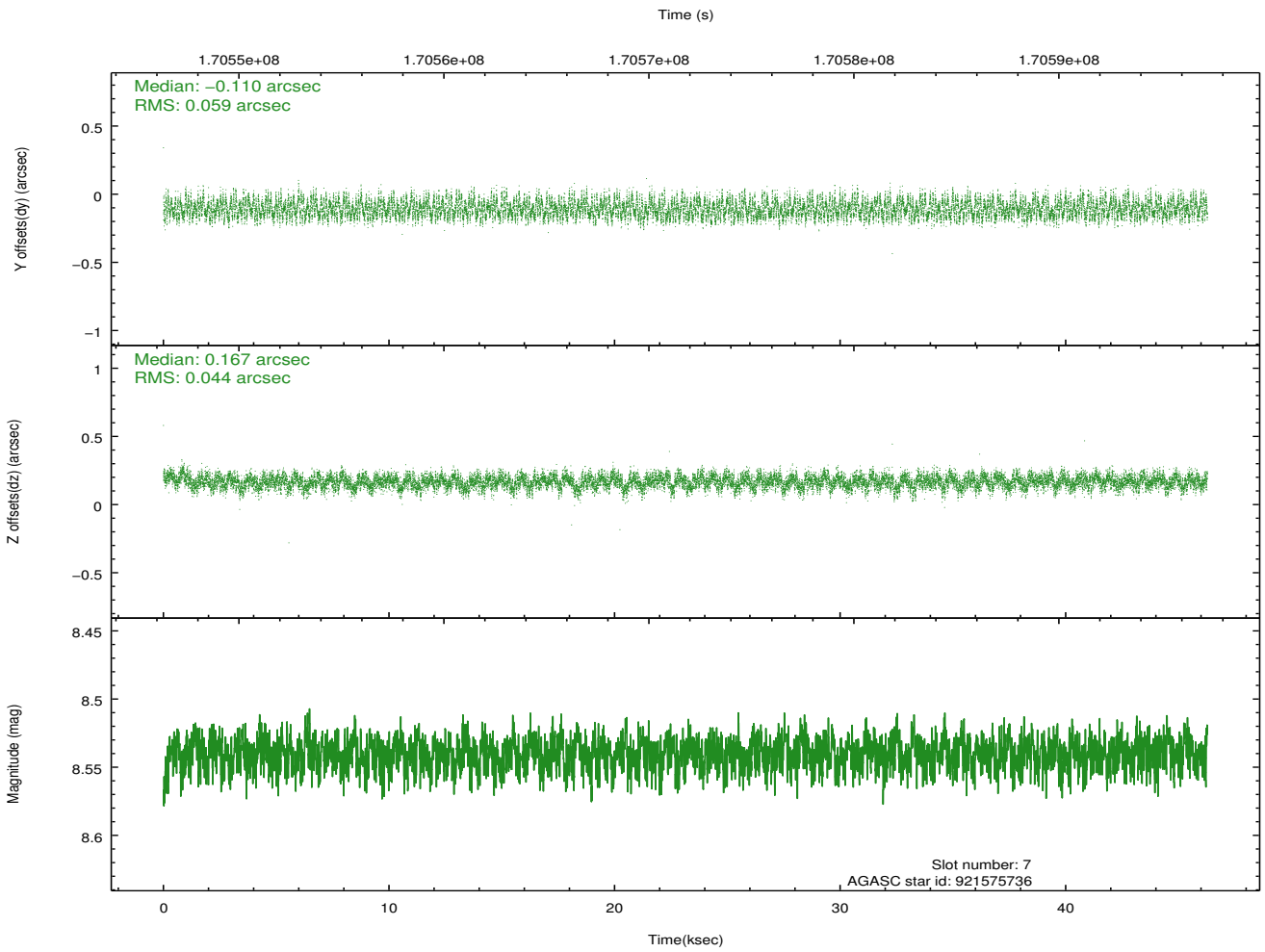
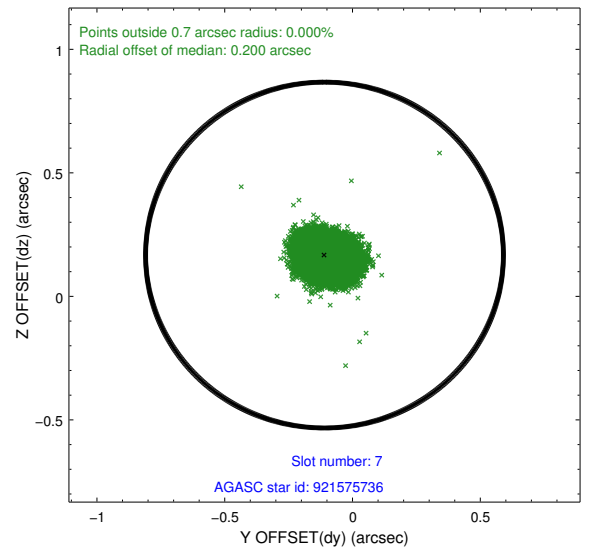
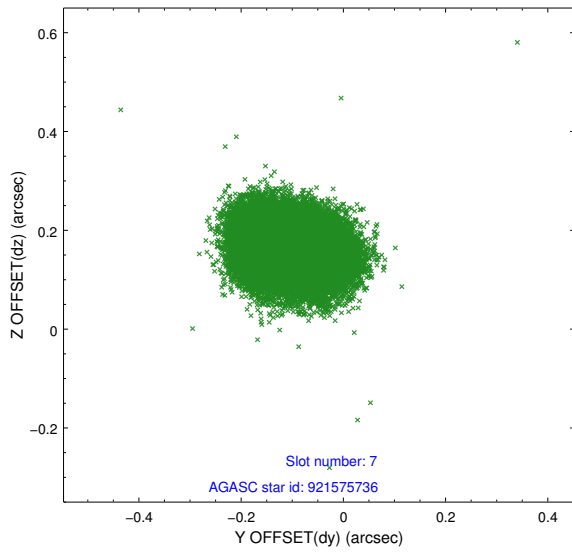
2.4.3 Slot 5



2.4.4 Slot 6

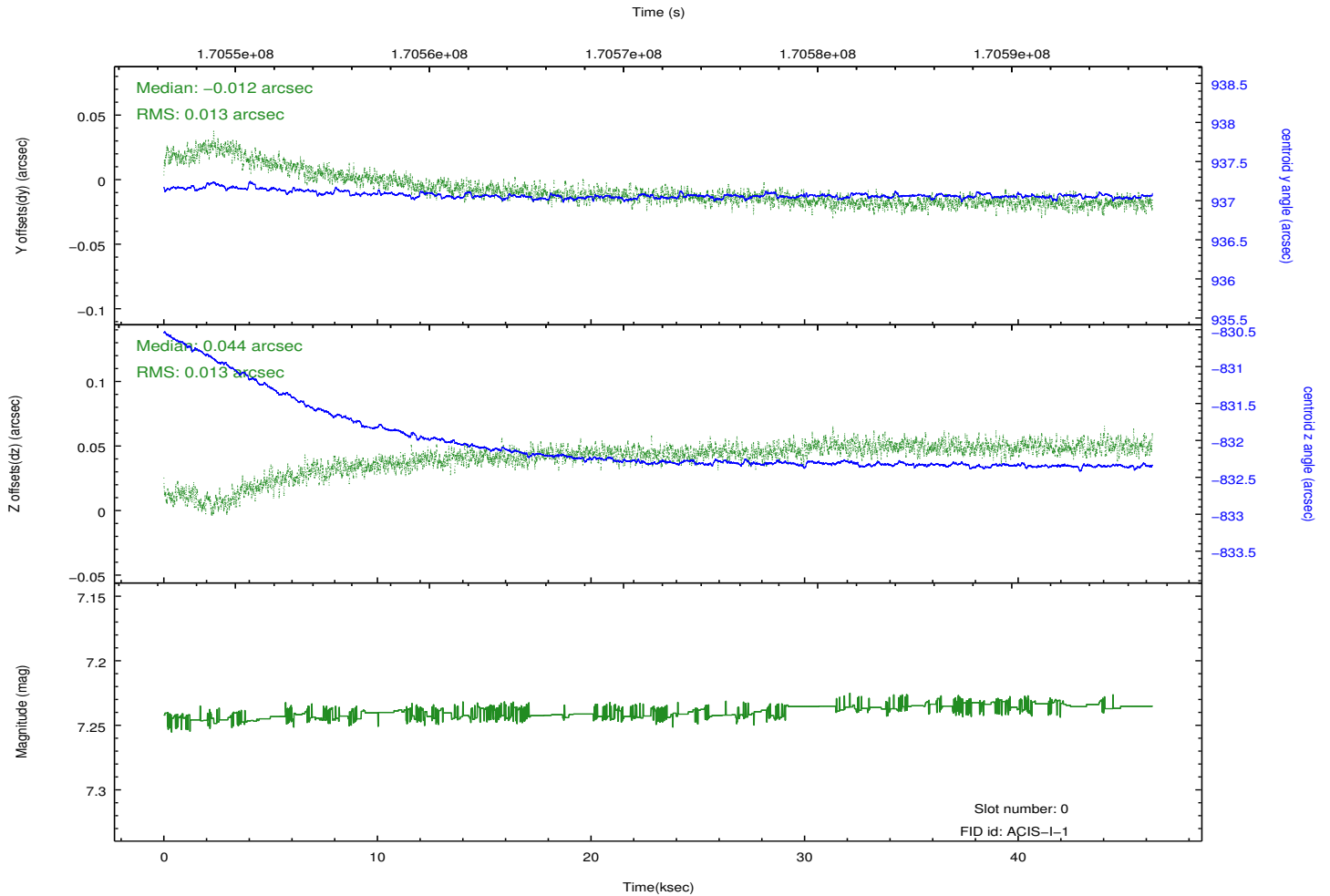
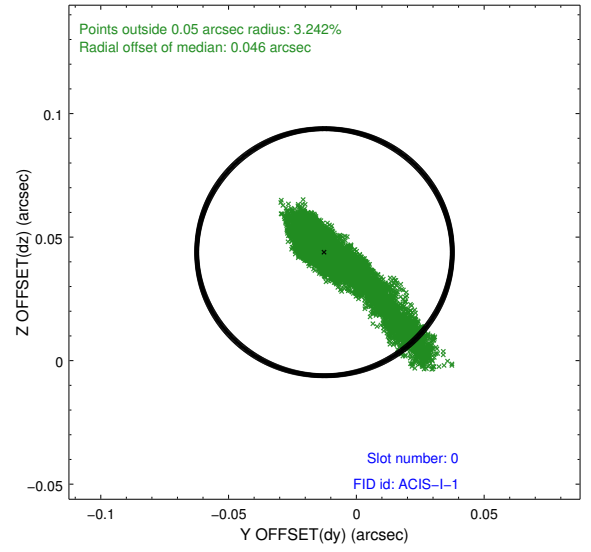
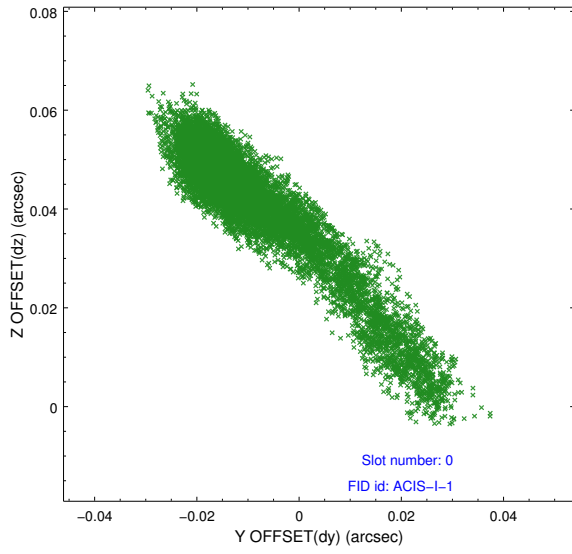


2.4.5 Slot 7

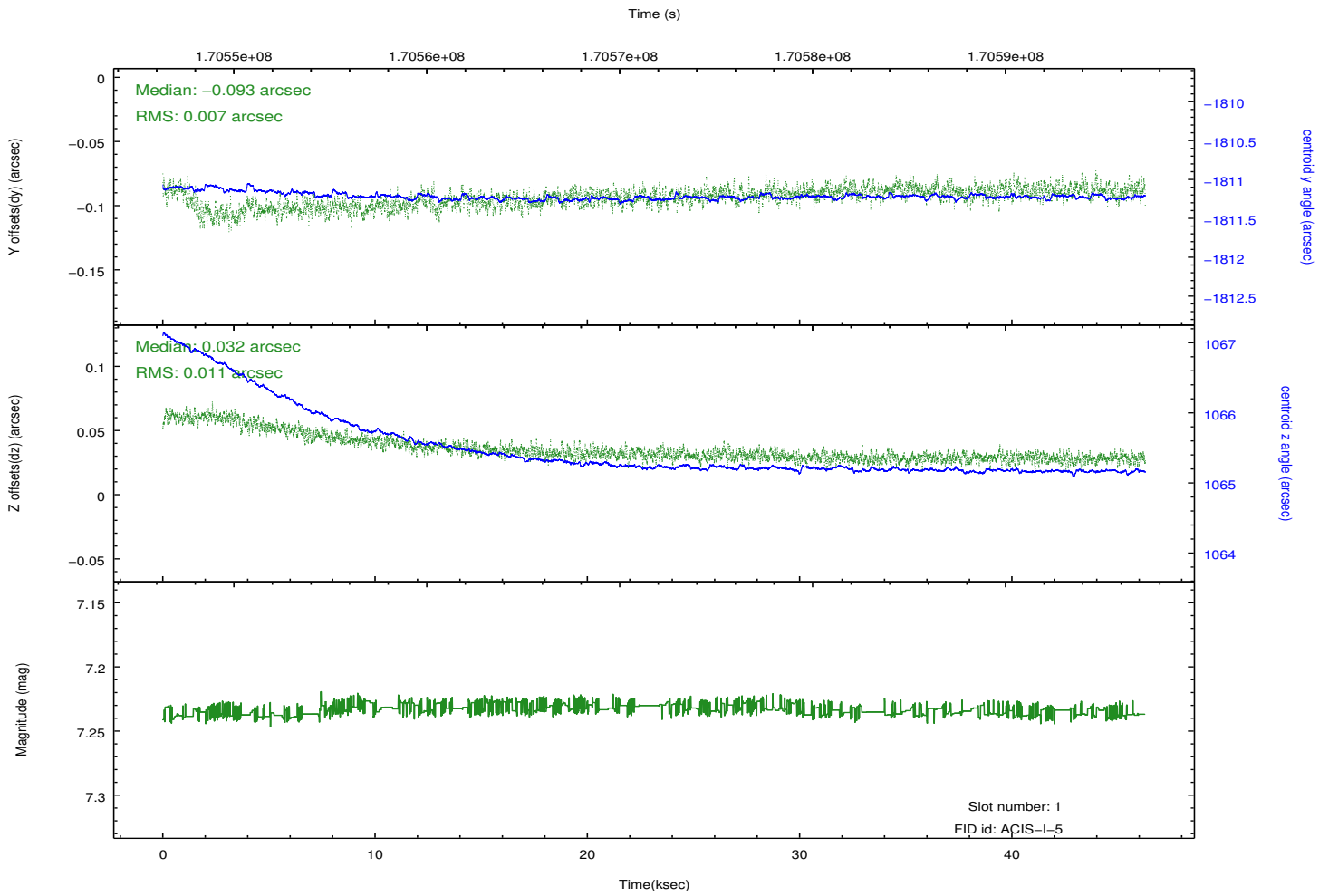
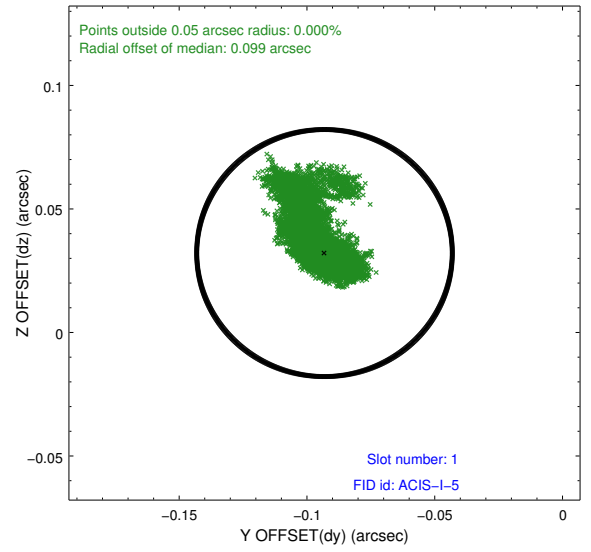
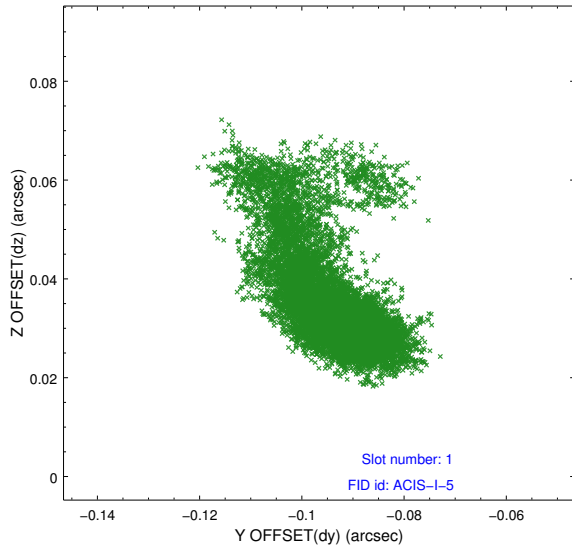


2.5 FID Slots

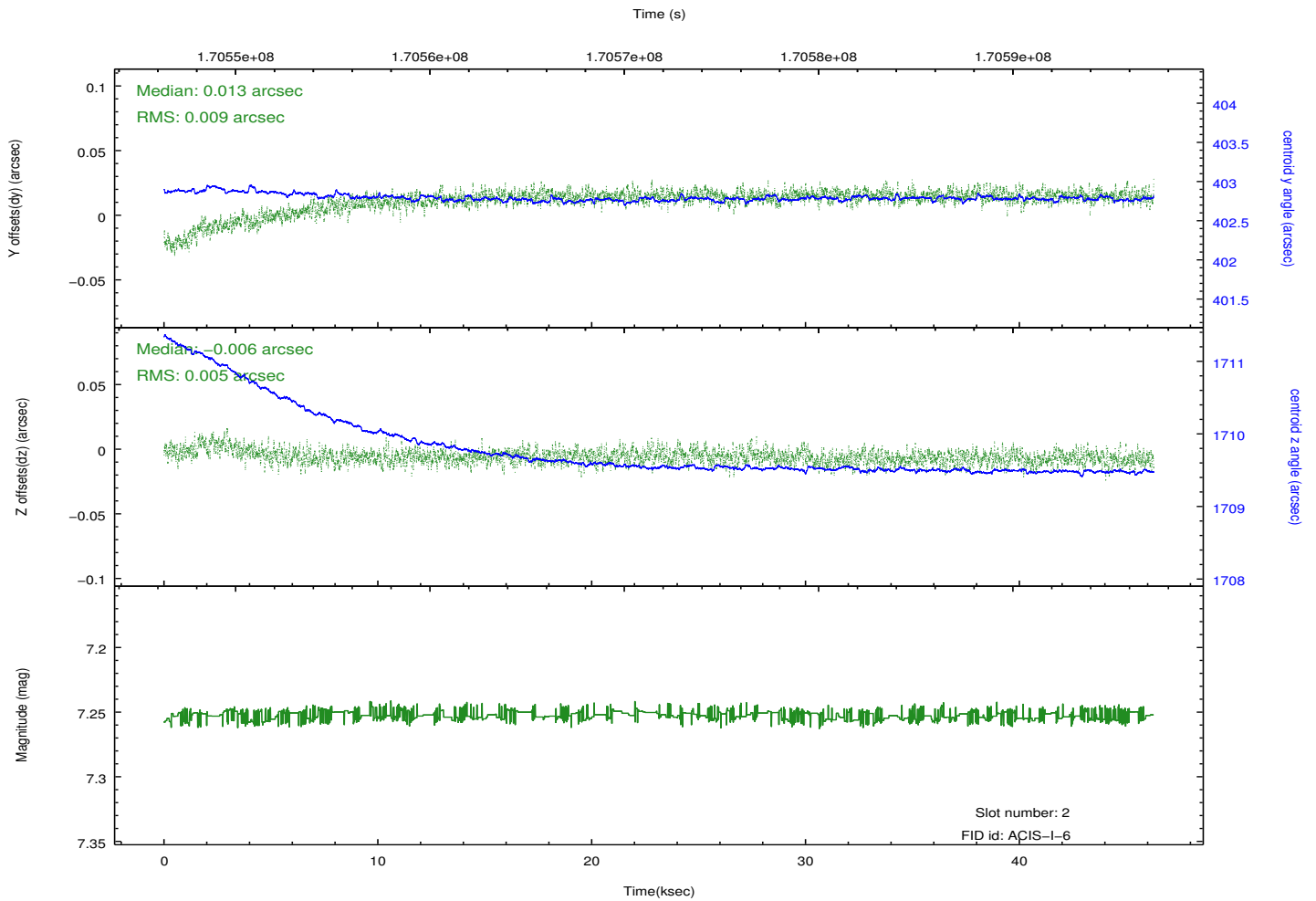
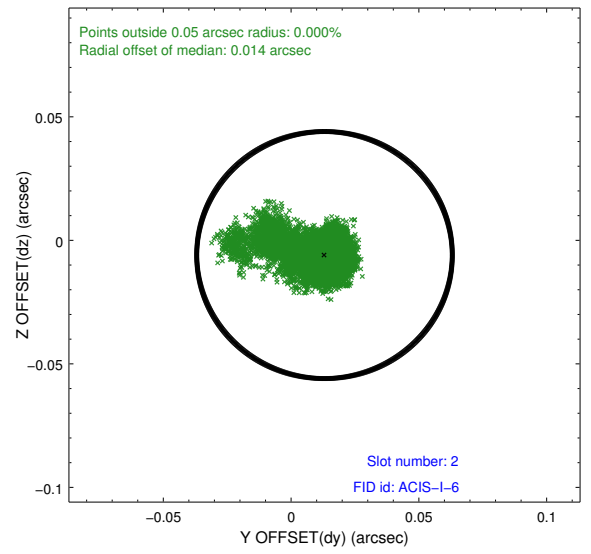
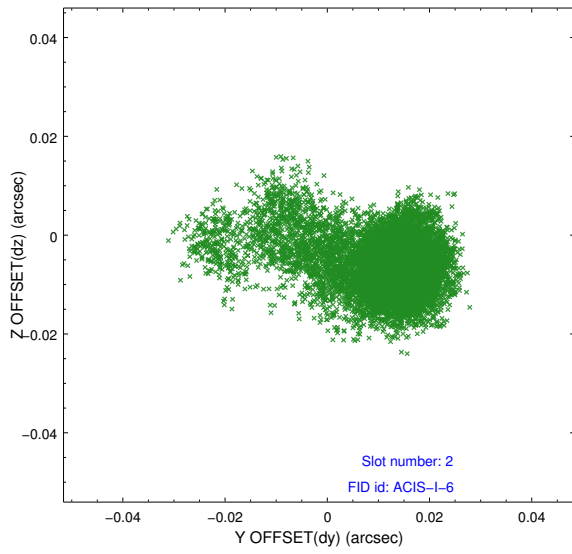
2.5.1 Slot 0



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)	2012.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.273

A.2 Comments