

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10724 - L2 Version 2
Chandra X-Ray Center

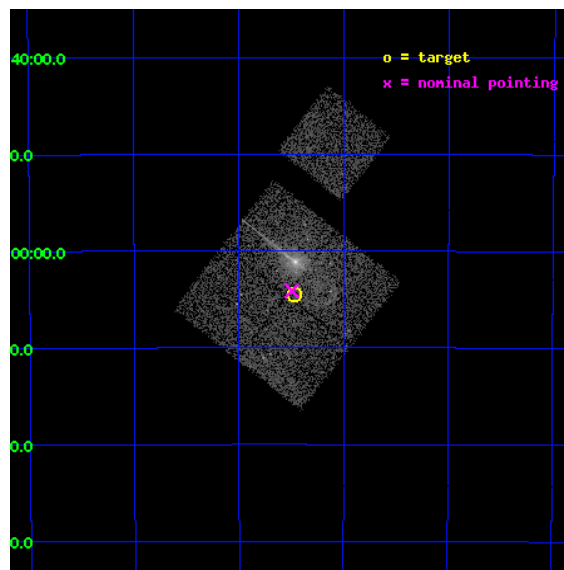
L2 Processing Date : Jun 1 2012

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1 Front

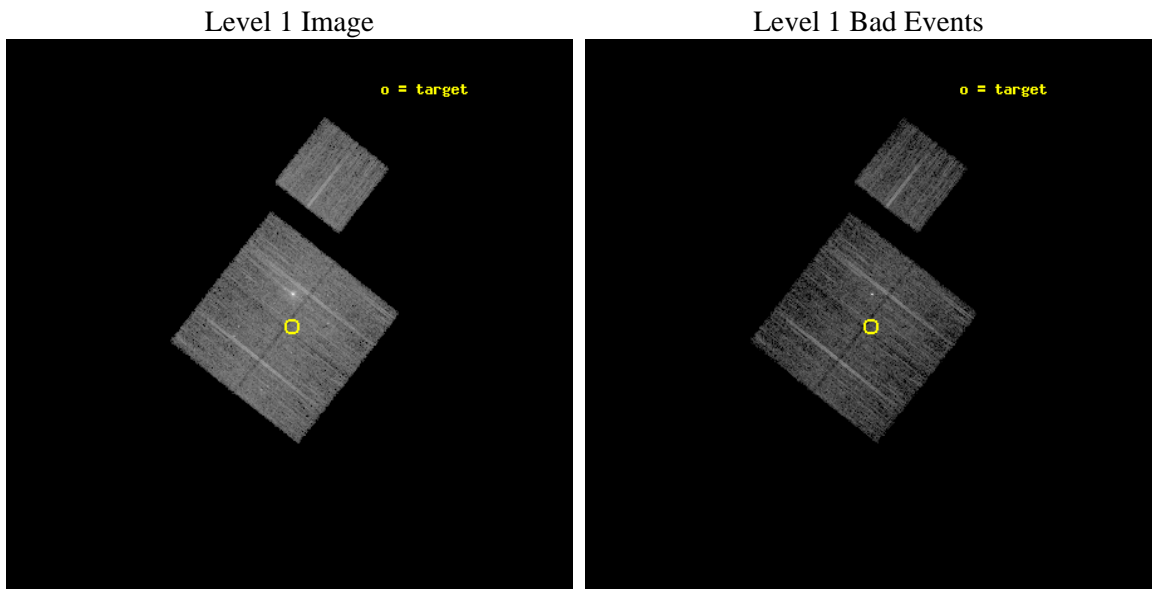
seq_num	701954	Sequence number
obs_id	10724	Observation id
title	Longterm Monitoring of the Centaurus A Jet, ULXs, and Low Mass X-ray Binary Population	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	Centaurus A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.367242	Observer's specified target RA [deg]
dec_targ	-43.075472	Observer's specified target Dec [deg]
ra_nom	201.37360667619	Nominal RA [deg]
dec_nom	-43.068830210932	Nominal Dec [deg]
roll_nom	38.213016846326	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5170.8000397682	Sum of GTIs [s]
livetime	5103.239730561	Livetime [s]
ontime0	5170.8000397682	Sum of GTIs [s]
ontime1	5170.8000397682	Sum of GTIs [s]
ontime2	5170.8000397682	Sum of GTIs [s]
ontime3	5170.8000397682	Sum of GTIs [s]
ontime6	5170.8000397682	Sum of GTIs [s]
l2events	31155	Number of level 2 events



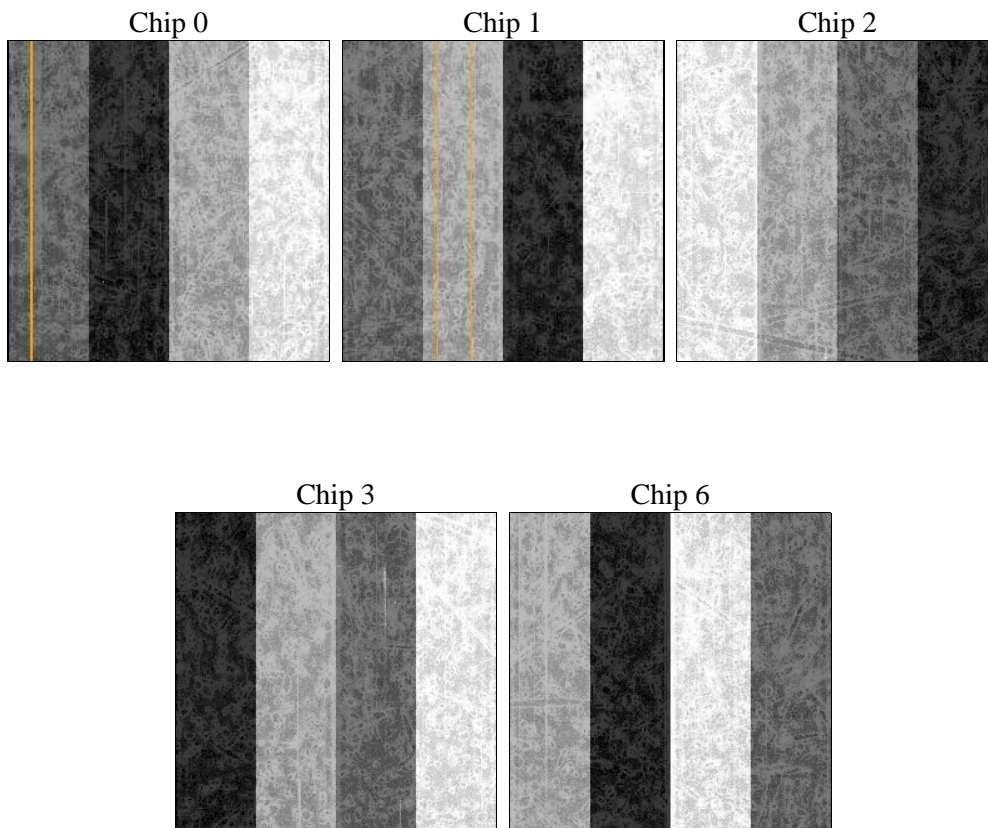
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5170.8000397682	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	5170.8000397682	Sum of GTIs [s]
date	2012-06-01T23:42:32	Date and time of file creation	ontime1	5170.8000397682	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5170.8000397682	Sum of GTIs [s]
			ontime3	5170.8000397682	Sum of GTIs [s]
			ontime6	5170.8000397682	Sum of GTIs [s]
			l1events	244287	Number of level 1 events

2.1.4 Events

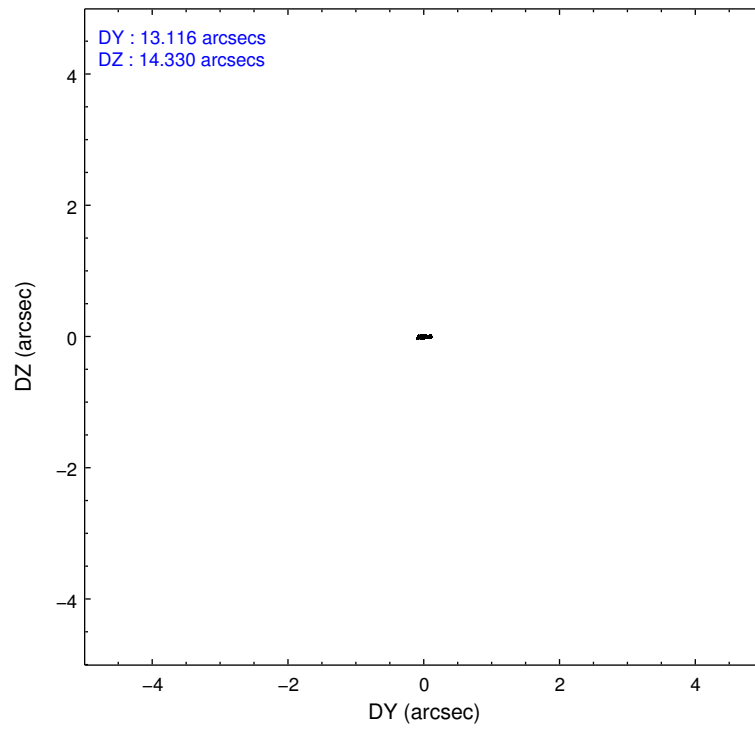
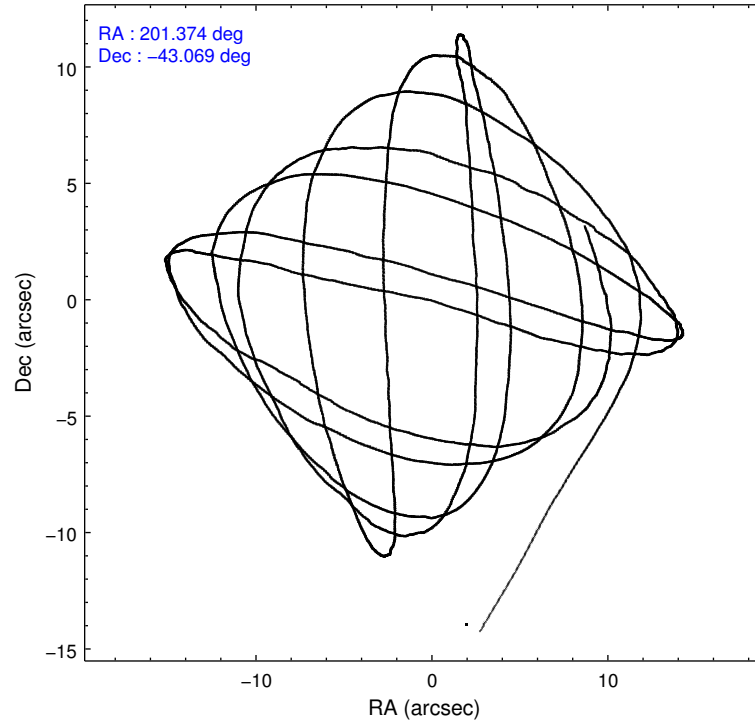
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	42052	45111	60660	49135	47329
rejected events	36820	39273	46873	43109	42562
rejected %	87%	87%	77%	87%	89%

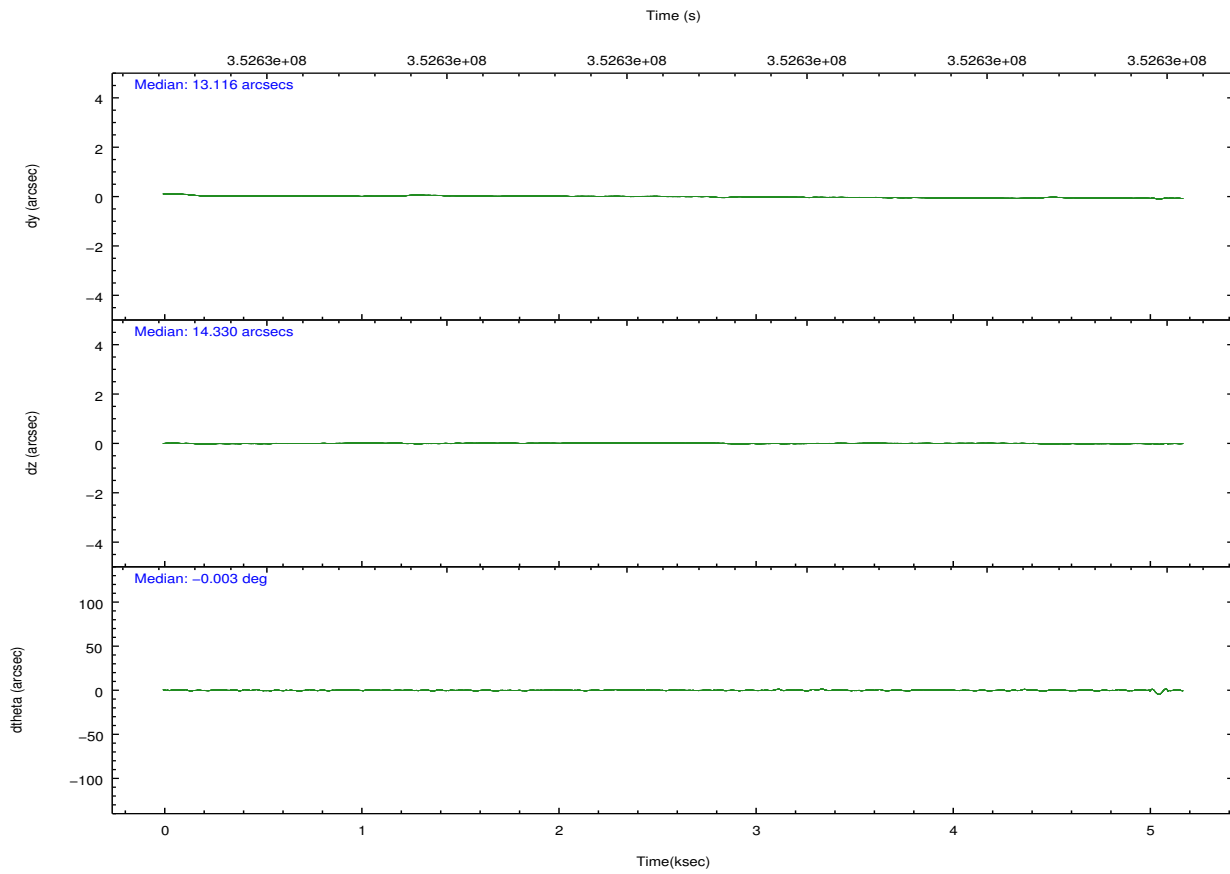
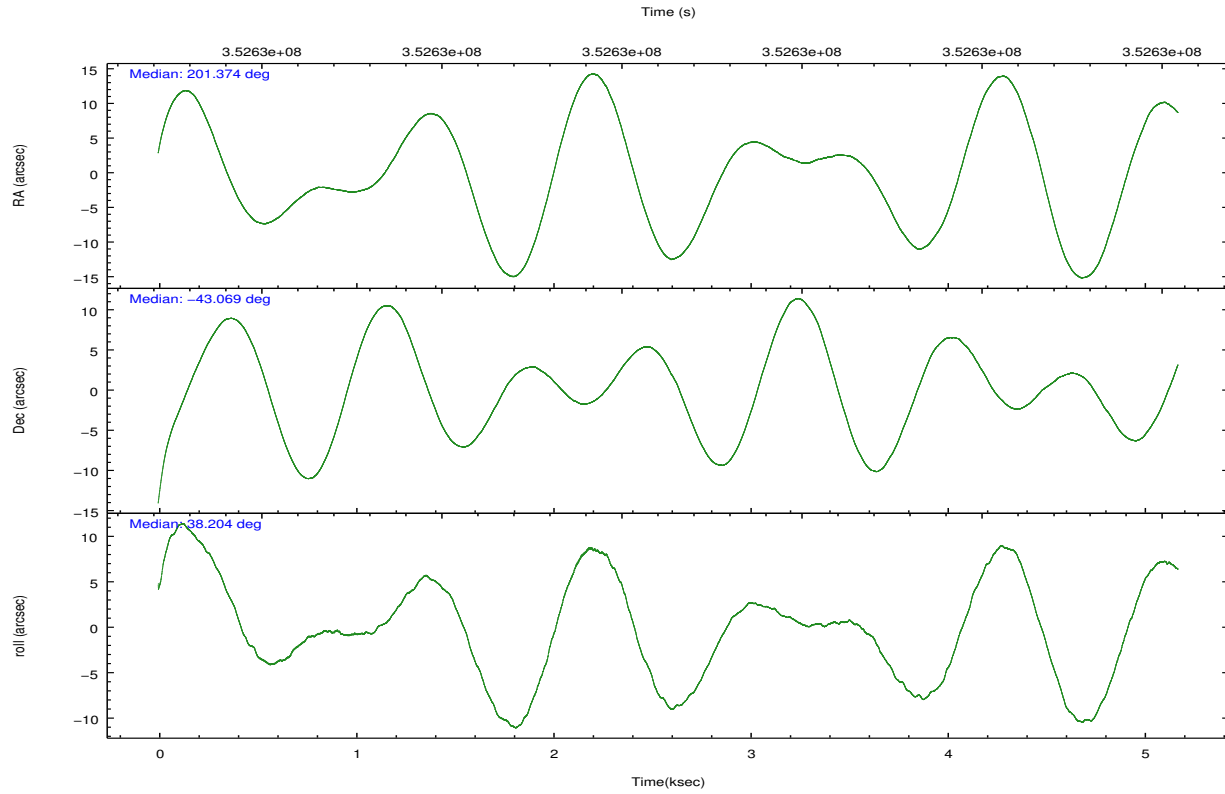
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2206	2540	8240	2995	1805
	5%	5%	13%	6%	3%
grade 1 events	37	32	324	49	24
	0%	0%	0%	0%	0%
grade 2 events	1223	1363	2343	1217	1062
	2%	3%	3%	2%	2%
grade 3 events	548	579	969	550	531
	1%	1%	1%	1%	1%
grade 4 events	532	562	972	593	514
	1%	1%	1%	1%	1%
grade 5 events	1773	1835	2000	1939	1815
	4%	4%	3%	3%	3%
grade 6 events	925	1083	1721	1016	1023
	2%	2%	2%	2%	2%
grade 7 events	34808	37117	44091	40776	40555
	82%	82%	72%	82%	85%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	201.359671	201.3736066761917	Subarray requested	NONE	NONE
[deg] Pointing Dec	-43.094392	-43.06883021093213	Alternating exposures requested	N	N
[deg] Pointing Roll	37.994826	38.21301684632608	[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)	352627845.184000	352626763.99379			
Observation start date	2009-03-05T08:09:39	2009-03-05T07:52:43			
[s] Observation end time (MET)	352632845.184000	352633929.25664			
Observation end date	2009-03-05T09:32:59	2009-03-05T09:52:09			
Read mode	TIMED	TIMED			

2.3 Aspect



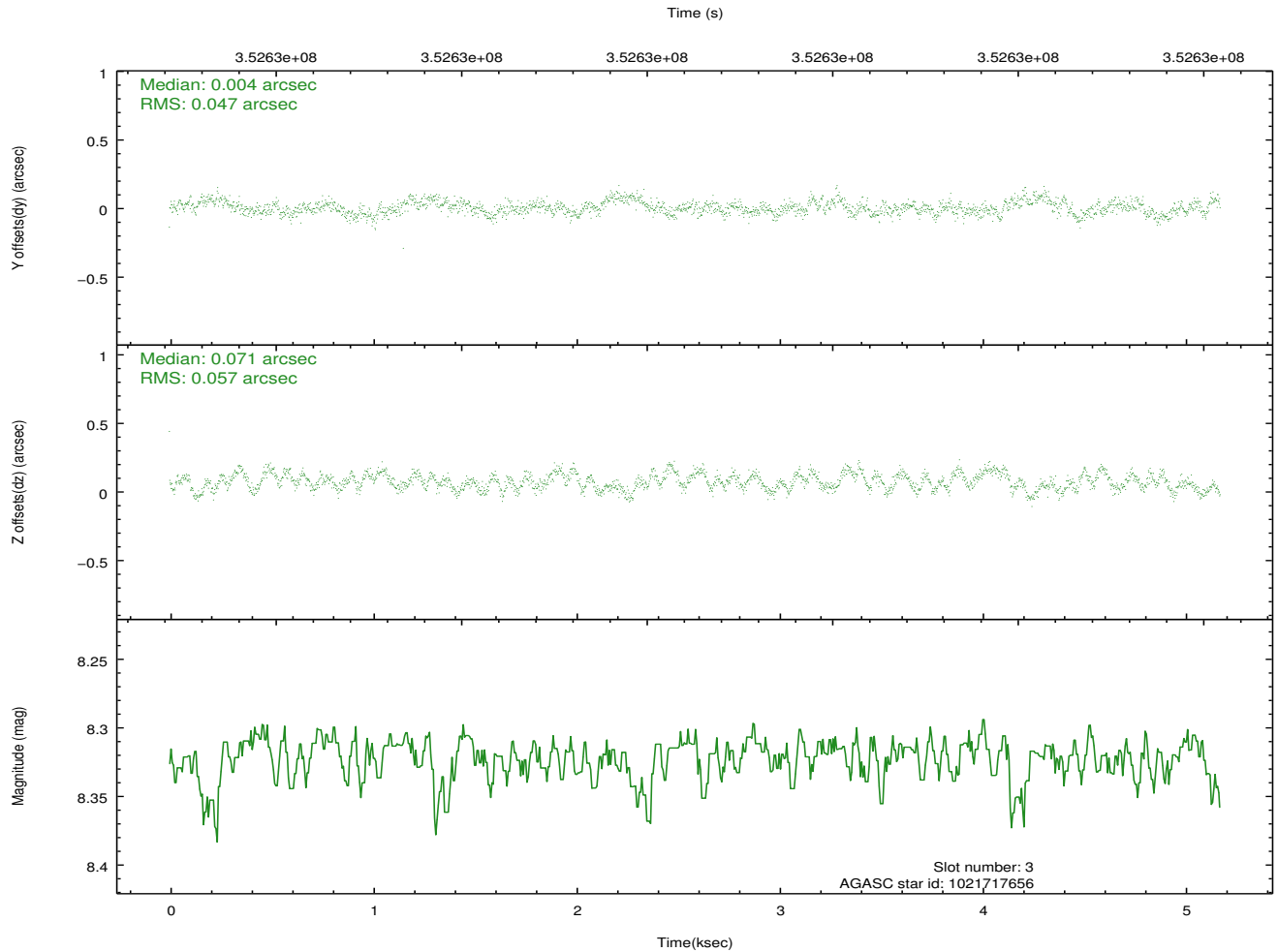
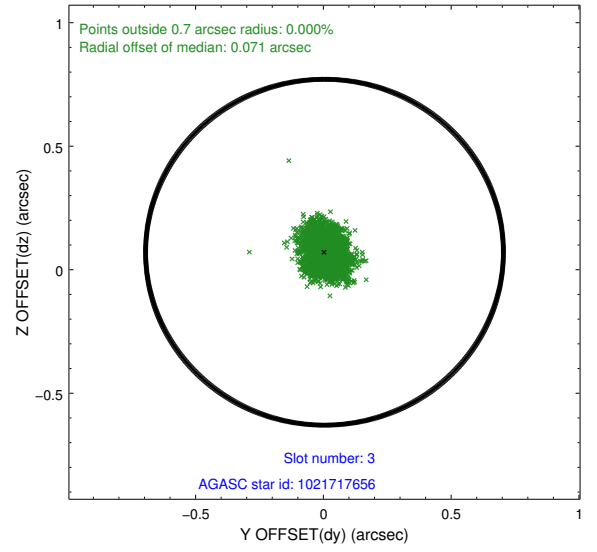
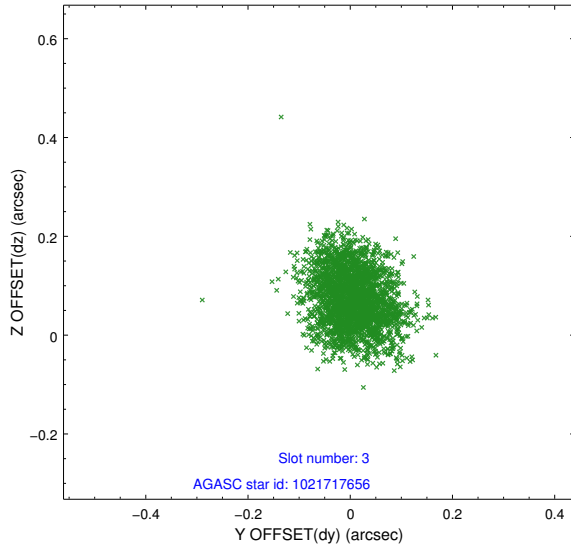


Slot Statistics

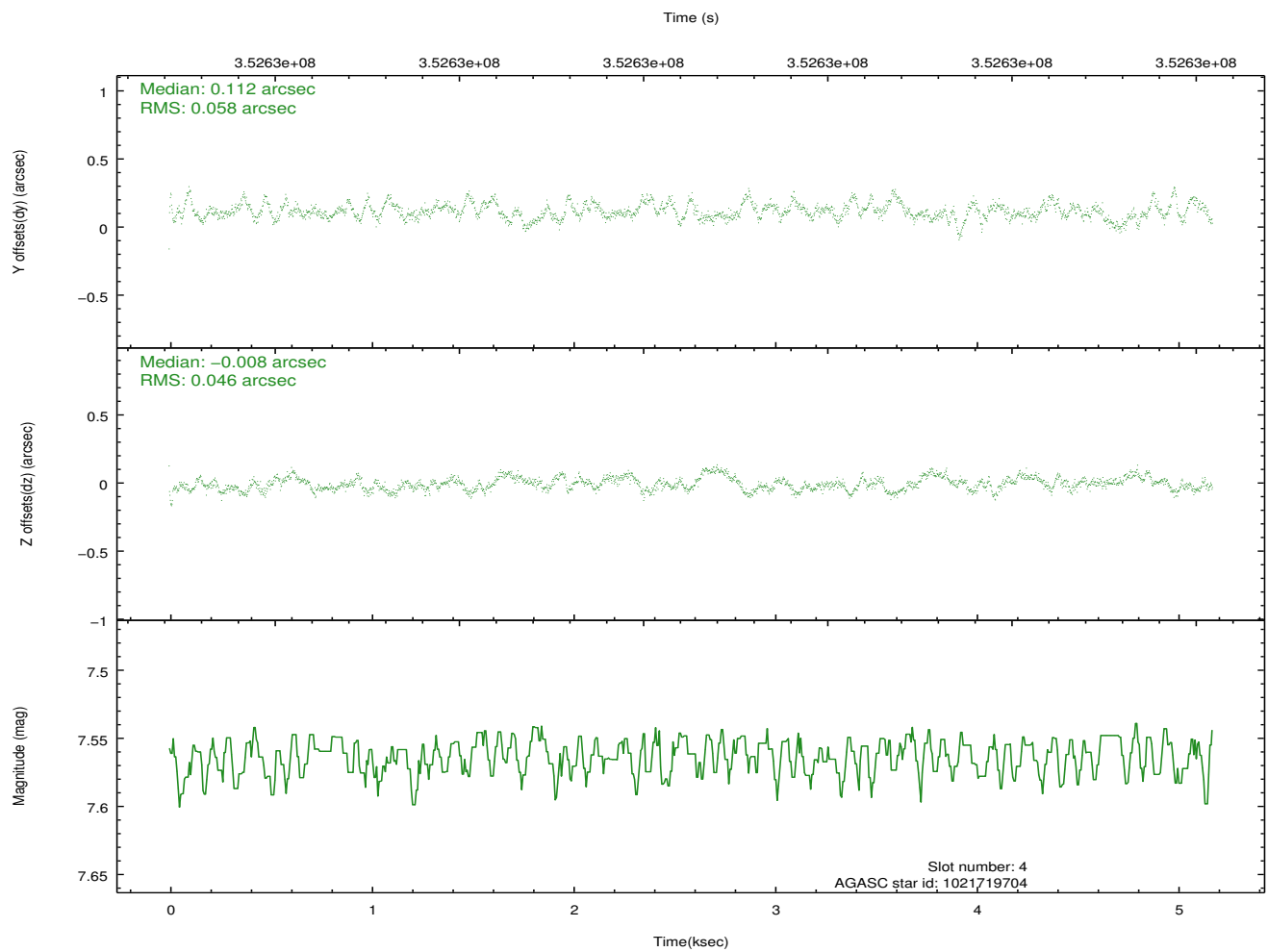
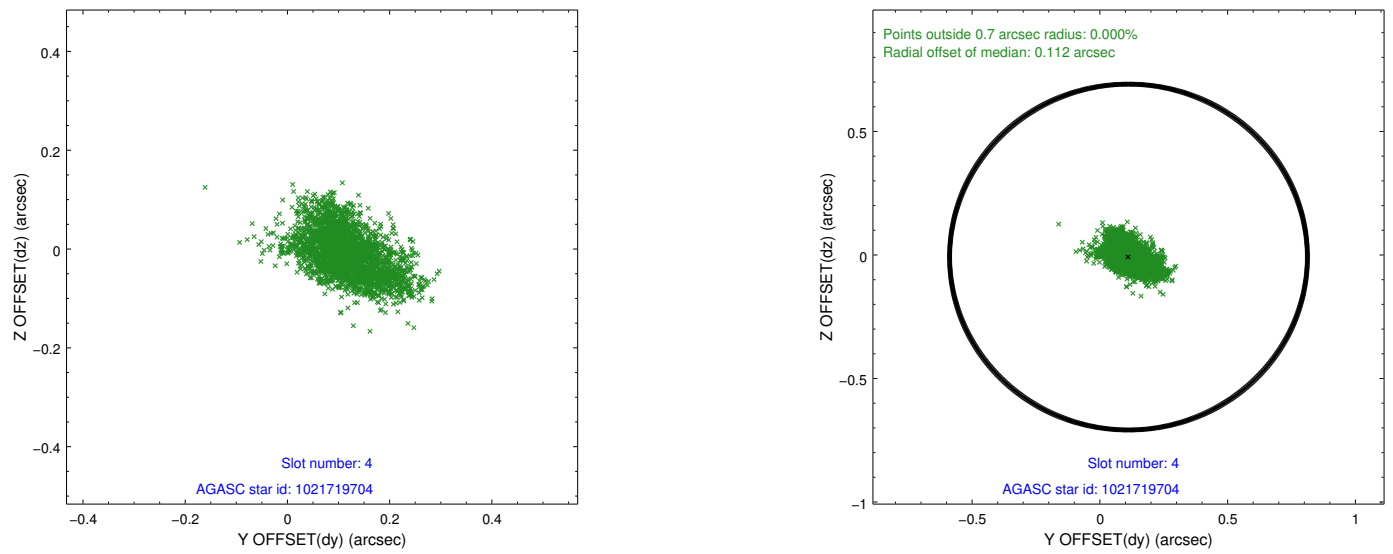
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	1262	0.019	0.031	0.005	0.010	0.000000	0.000000	926.43	-837.87
1	FID	ACIS-I-5	7.04	1262	-0.189	0.036	0.005	0.010	0.000000	0.000000	-1821.26	1059.00
2	FID	ACIS-I-6	7.05	1262	0.080	0.003	0.006	0.010	0.000000	0.000000	390.73	1704.83
3	GUIDE	1021717656	8.32	2525	0.004	0.071	0.080	0.123	201.139642	-43.082878	-430.90	388.56
4	GUIDE	1021719704	7.56	2525	0.112	-0.008	0.077	0.132	200.511976	-43.050426	-1667.15	1488.72
5	GUIDE	1021721672	9.51	2522	0.026	0.205	0.116	0.203	201.740358	-43.079729	819.34	-575.11
6	GUIDE	1022235840	9.45	2522	-0.072	-0.103	0.129	0.204	201.679306	-43.544276	-340.12	-1791.08
7	GUIDE	1021716808	8.81	2520	-0.066	-0.172	0.097	0.152	200.901189	-42.531395	286.35	2342.89

2.4 Star Slots

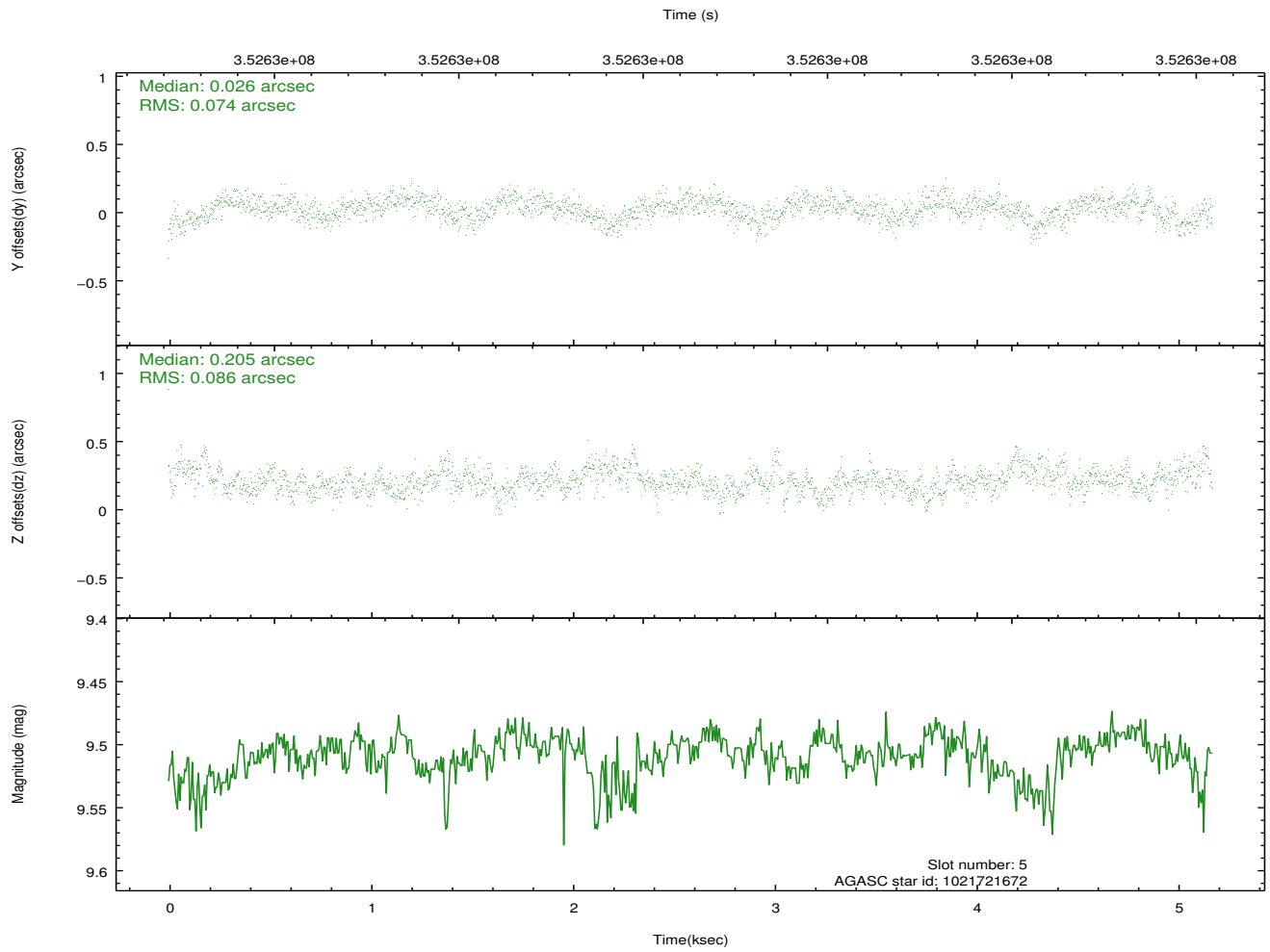
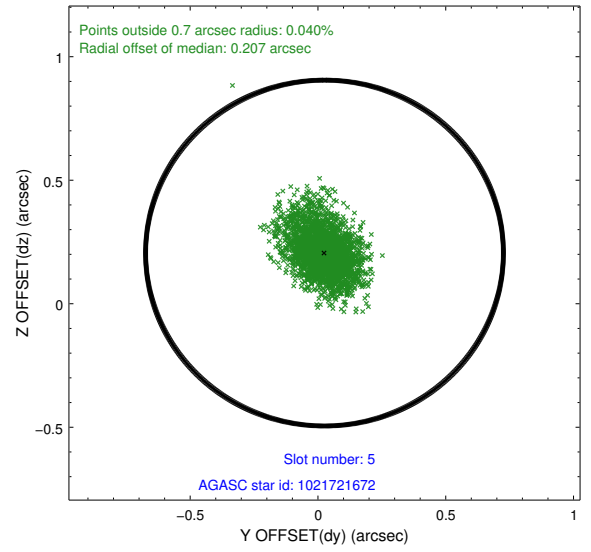
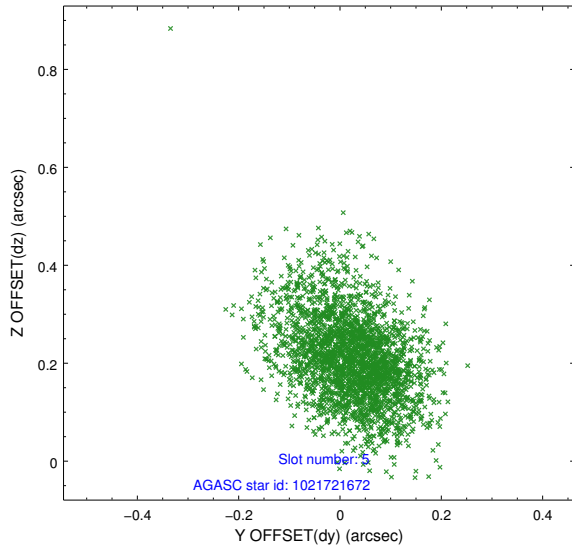
2.4.1 Slot 3



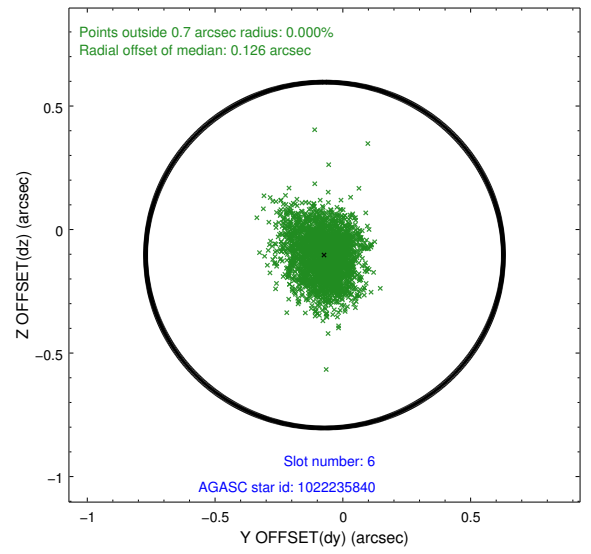
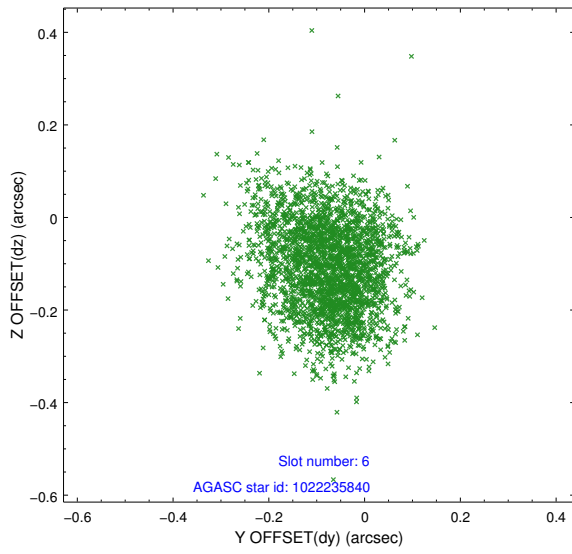
2.4.2 Slot 4



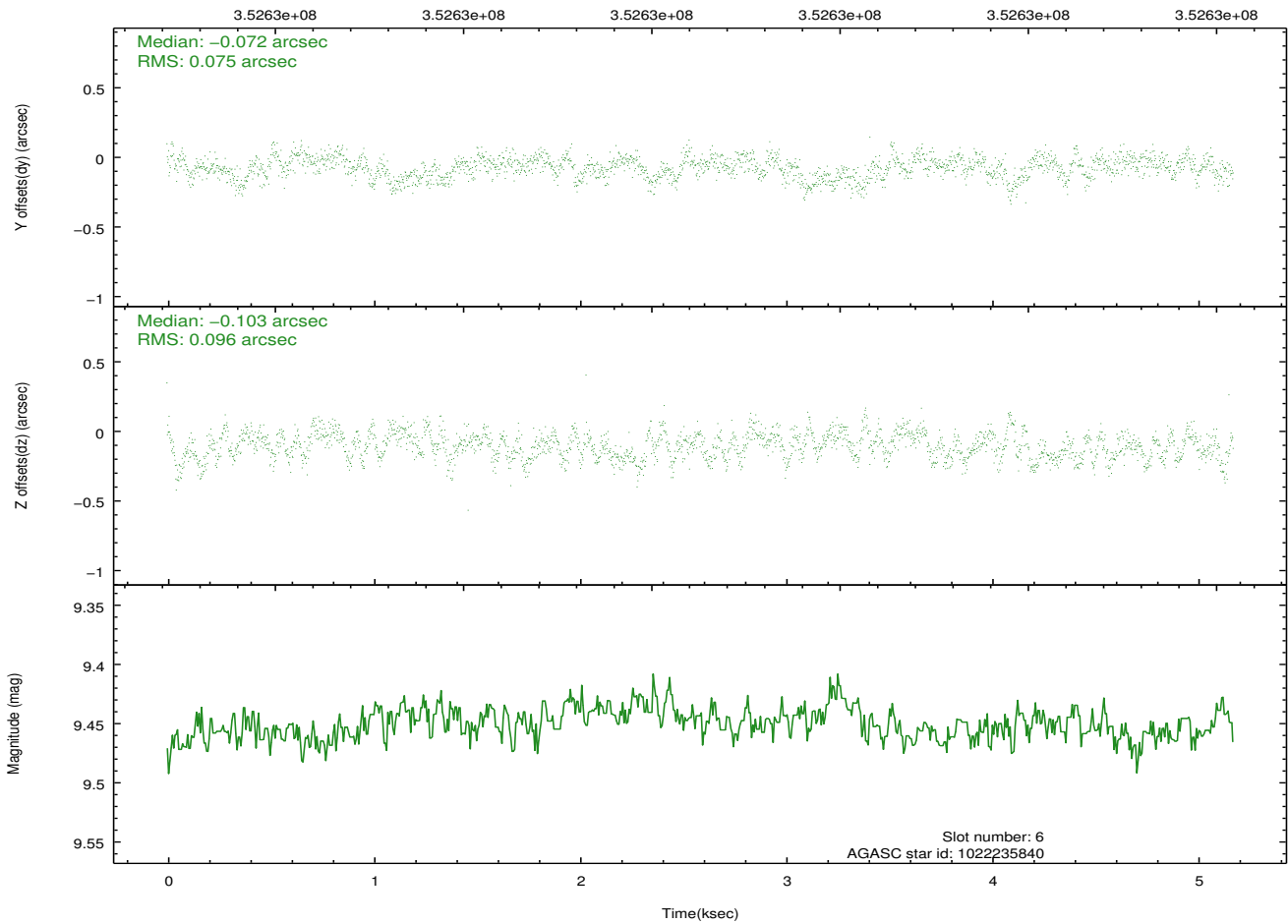
2.4.3 Slot 5



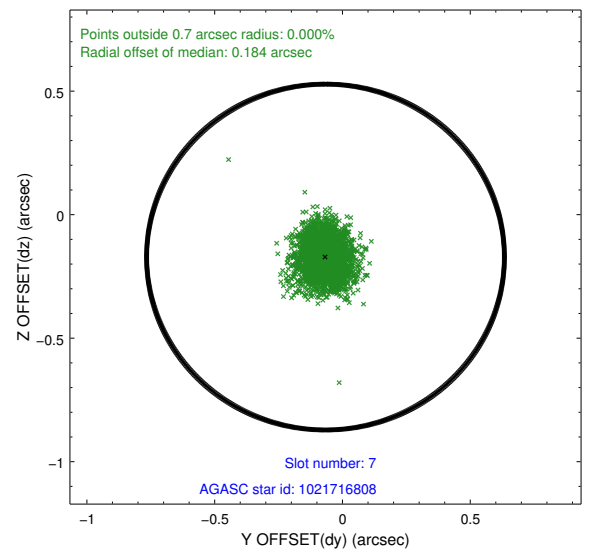
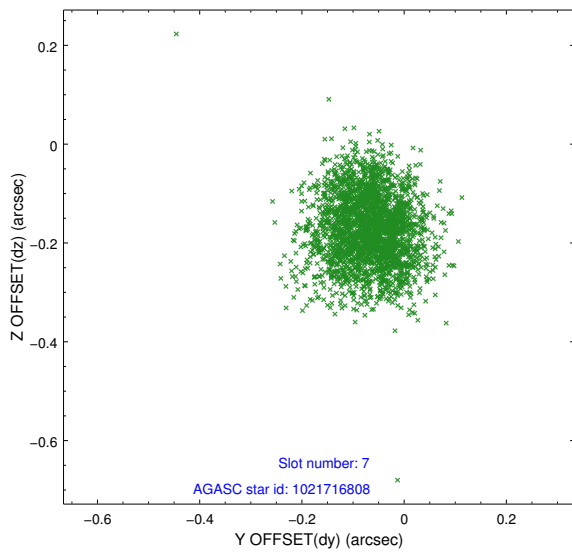
2.4.4 Slot 6



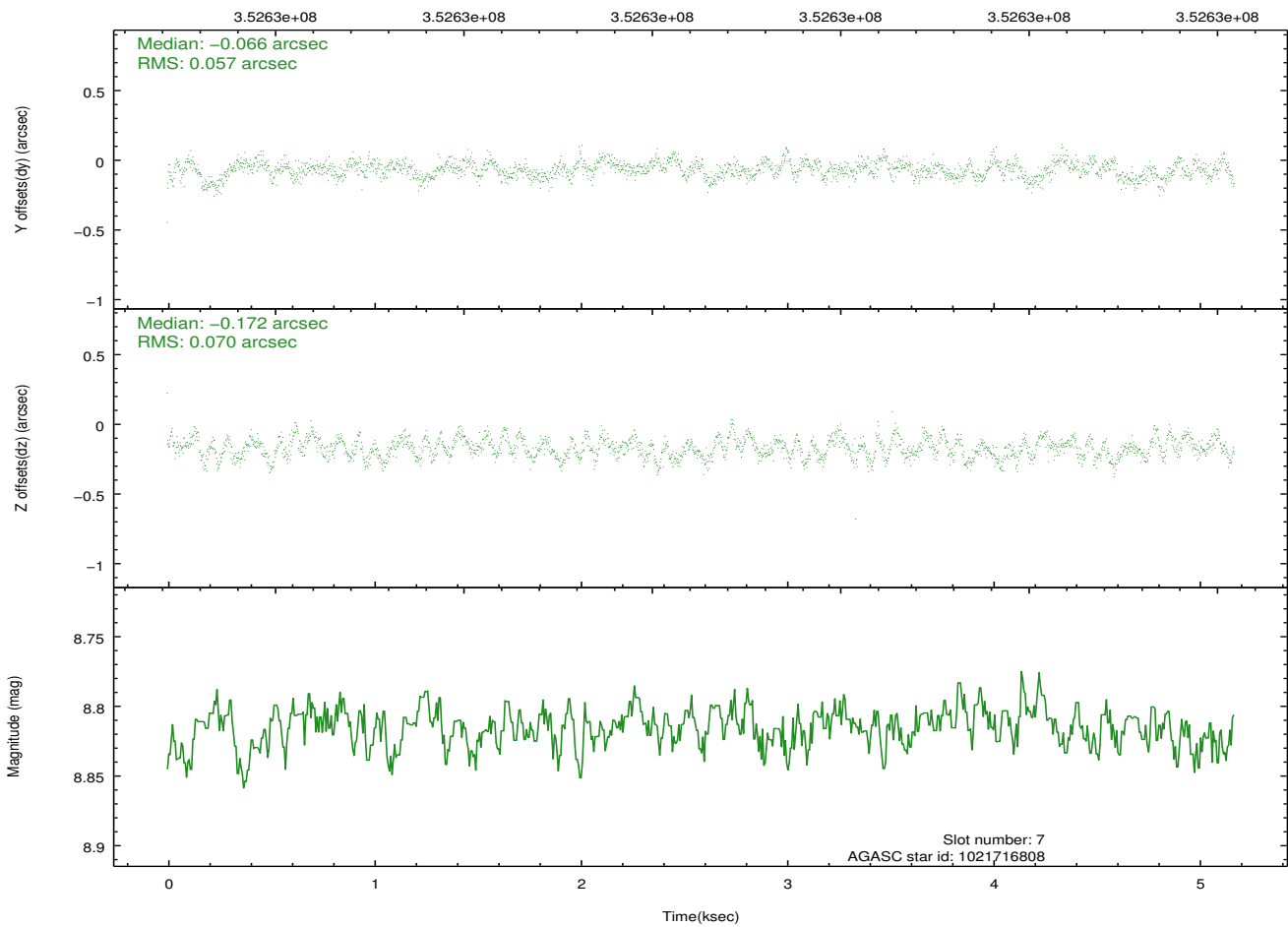
Time (s)



2.4.5 Slot 7

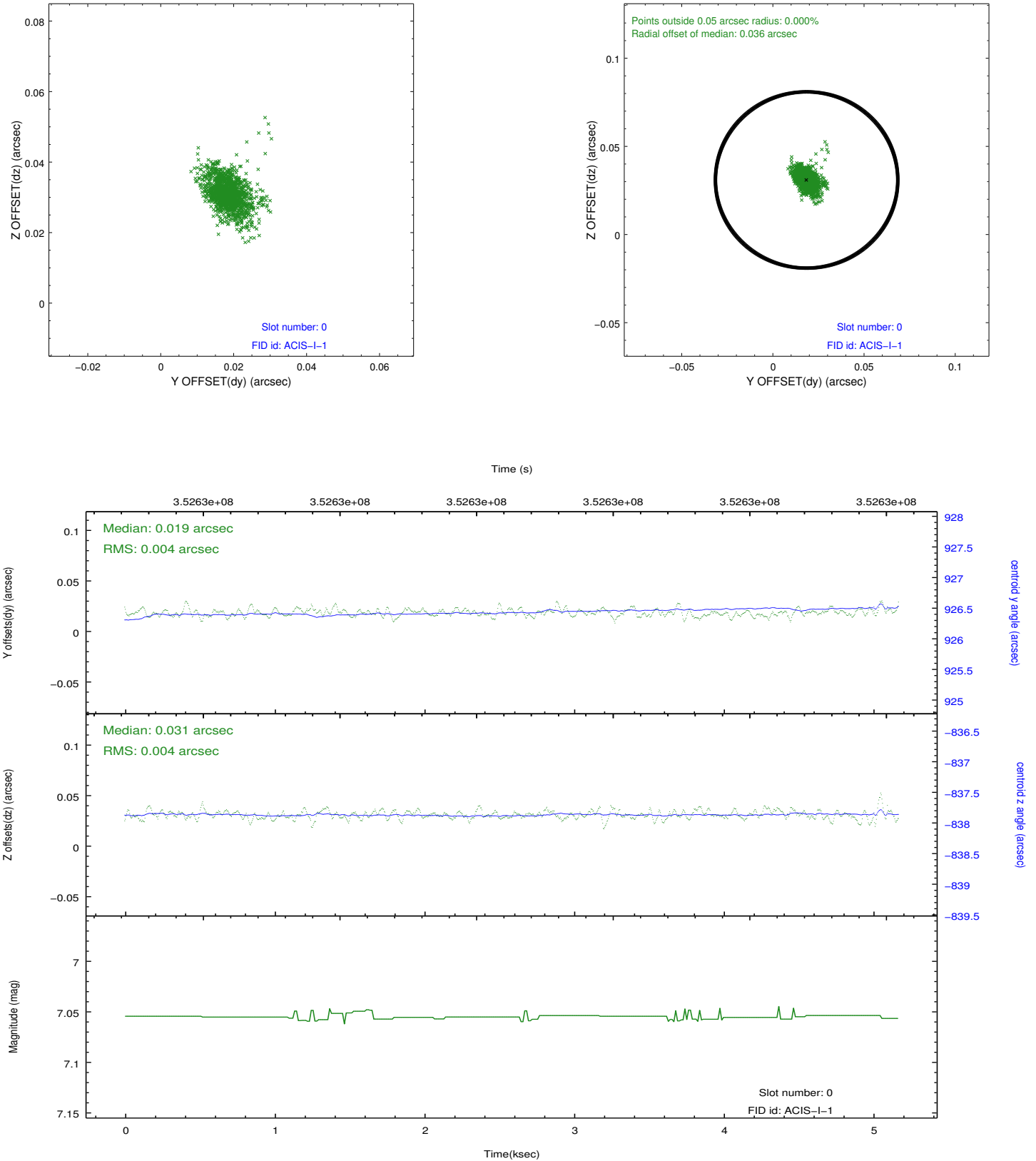


Time (s)

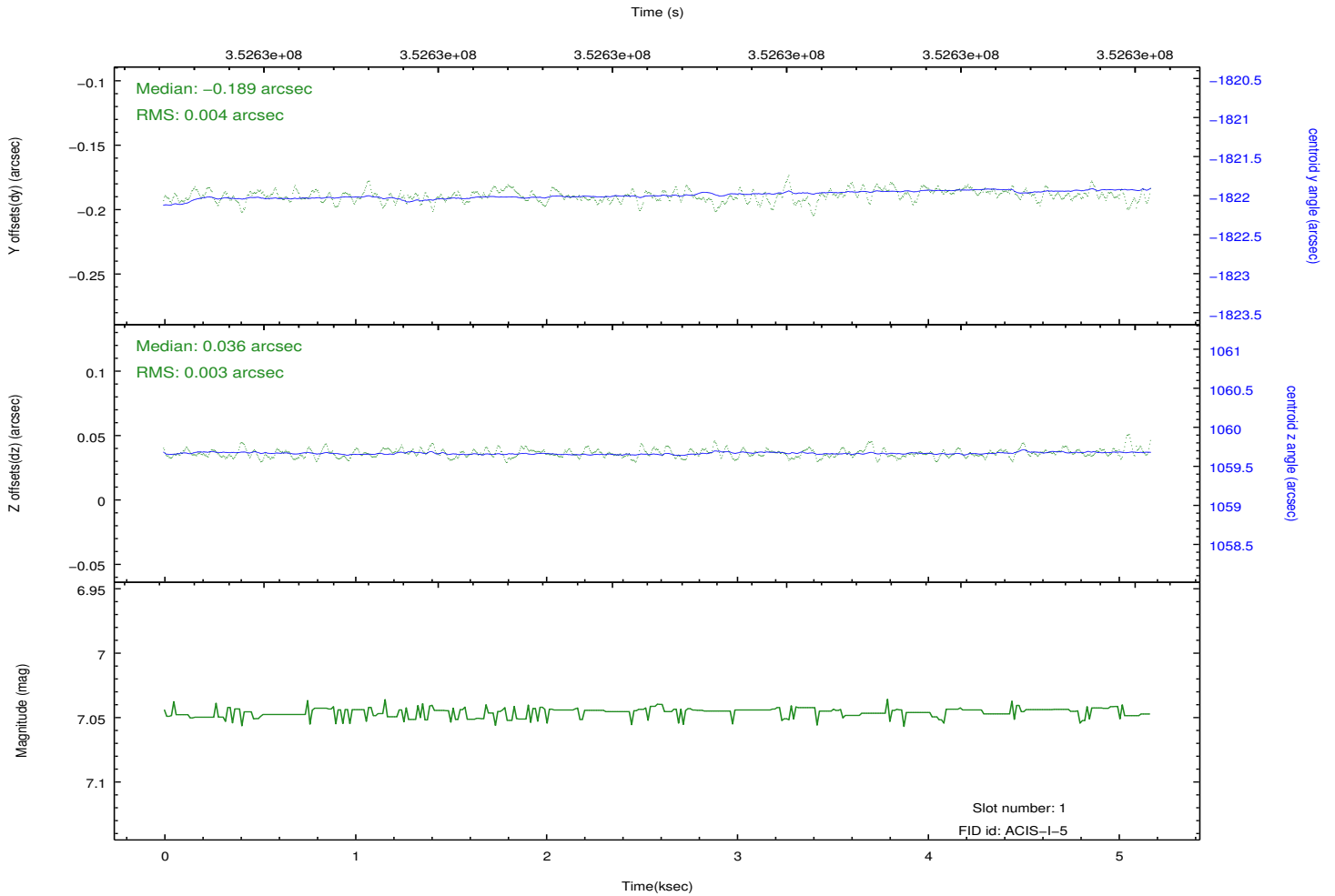
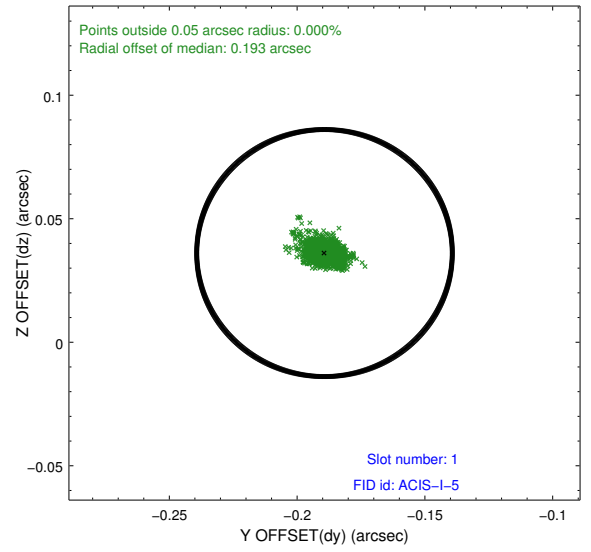
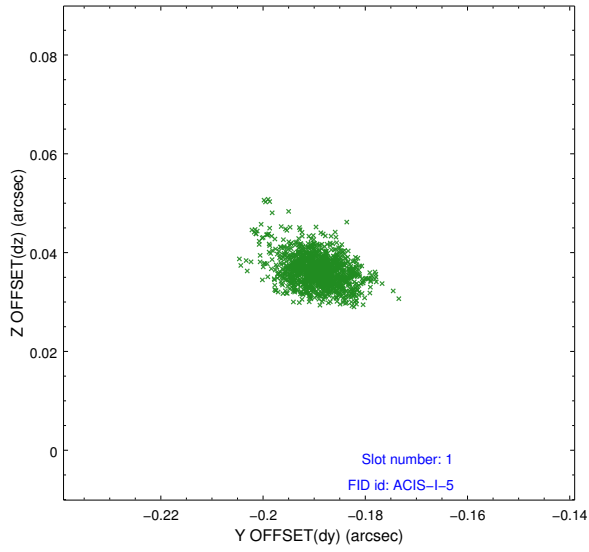


2.5 FID Slots

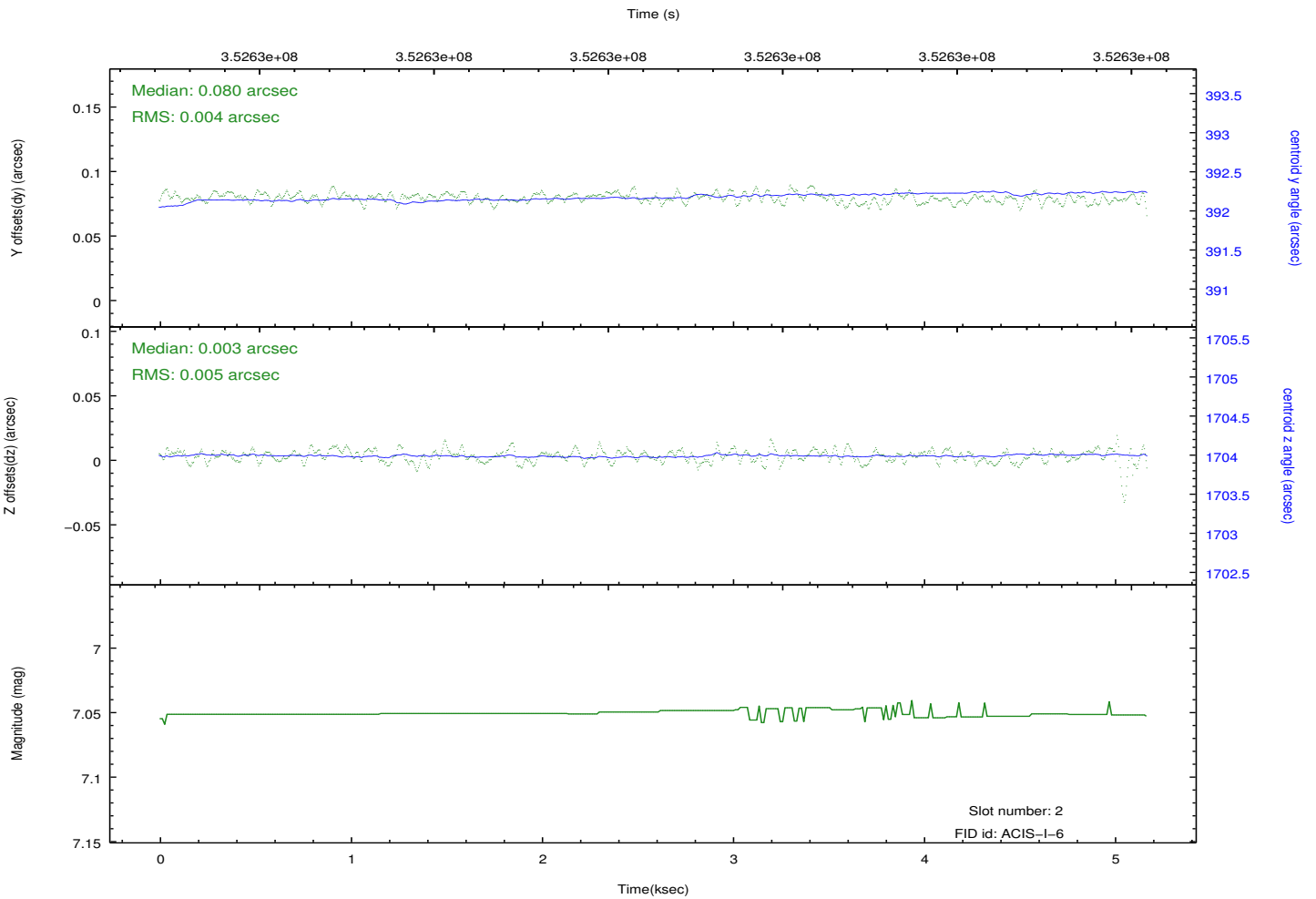
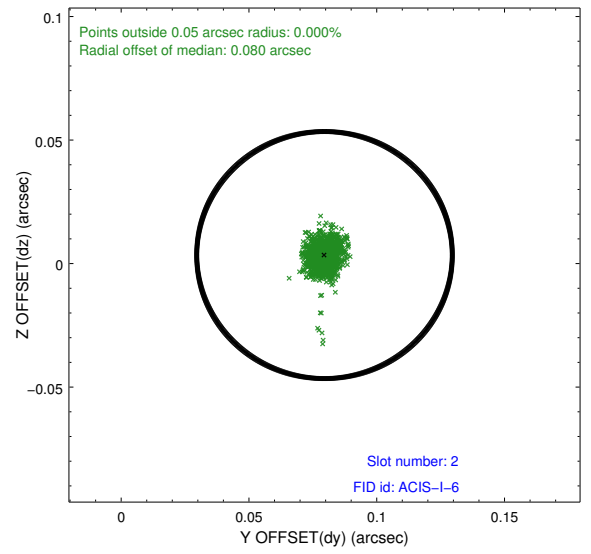
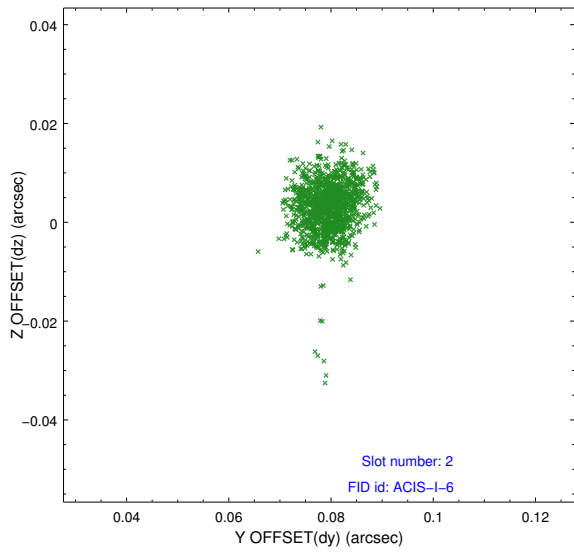
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17080003

A.2 Comments