

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 5761 - L2 Version 2
Chandra X-Ray Center

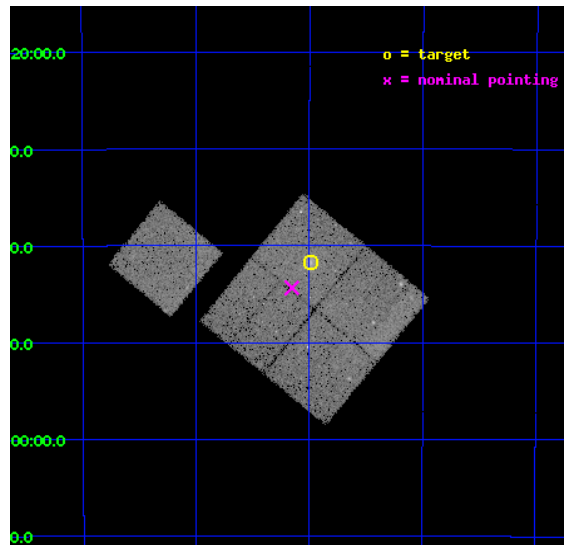
L2 Processing Date : Mar 23 2012

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1 Front

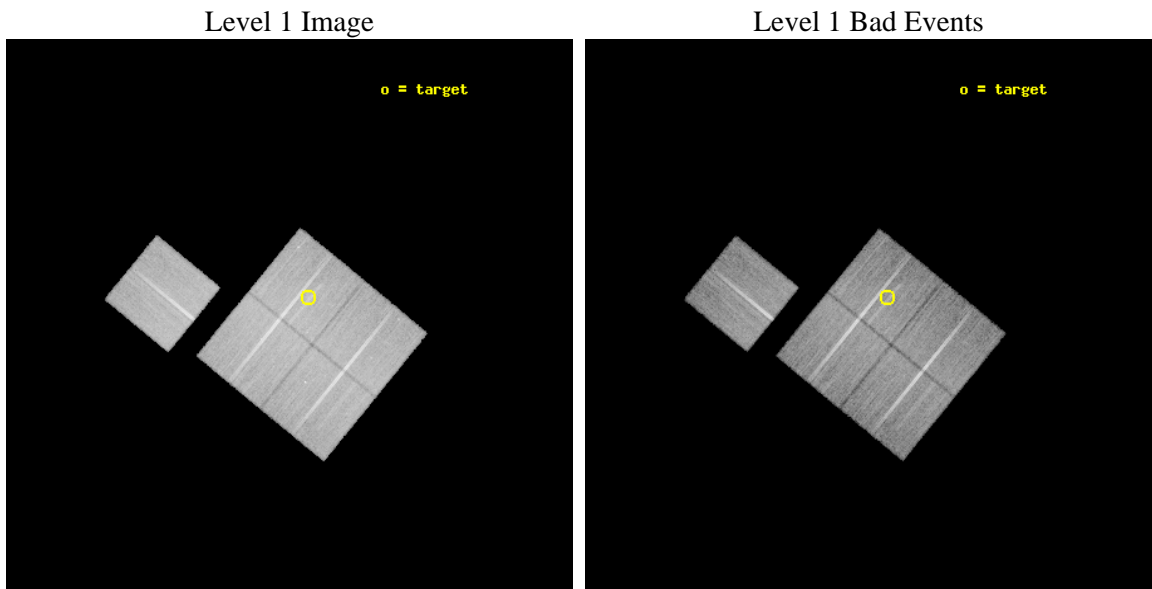
seq_num	800474	Sequence number
obs_id	5761	Observation id
title	DARK ENERGY WITH X-RAY CLUSTERS: CHANDRA OBSERVATIONS OF 41 HIGH-REDSHIFT CLUSTERS FROM THE 400 deg^2 ROSAT PSPC SURVEY	Proposal titl
observer	Dr. Alexey Vikhlinin	Principal investigator
object	cl0355-3741	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	58.997083	Observer's specified target RA [deg]
dec_targ	-37.696111	Observer's specified target Dec [deg]
ra_nom	59.038633447412	Nominal RA [deg]
dec_nom	-37.739370273641	Nominal Dec [deg]
roll_nom	309.34191341189	Nominal Roll [deg]
revision	2	Processing version of data
ontime	28047.995152235	Sum of GTIs [s]
livetime	27681.527446937	Livetime [s]
ontime0	28051.013002485	Sum of GTIs [s]
ontime1	28047.913042307	Sum of GTIs [s]
ontime2	28044.813221574	Sum of GTIs [s]
ontime3	28047.995152235	Sum of GTIs [s]
ontime6	28047.830992192	Sum of GTIs [s]
l2events	81941	Number of level 2 events



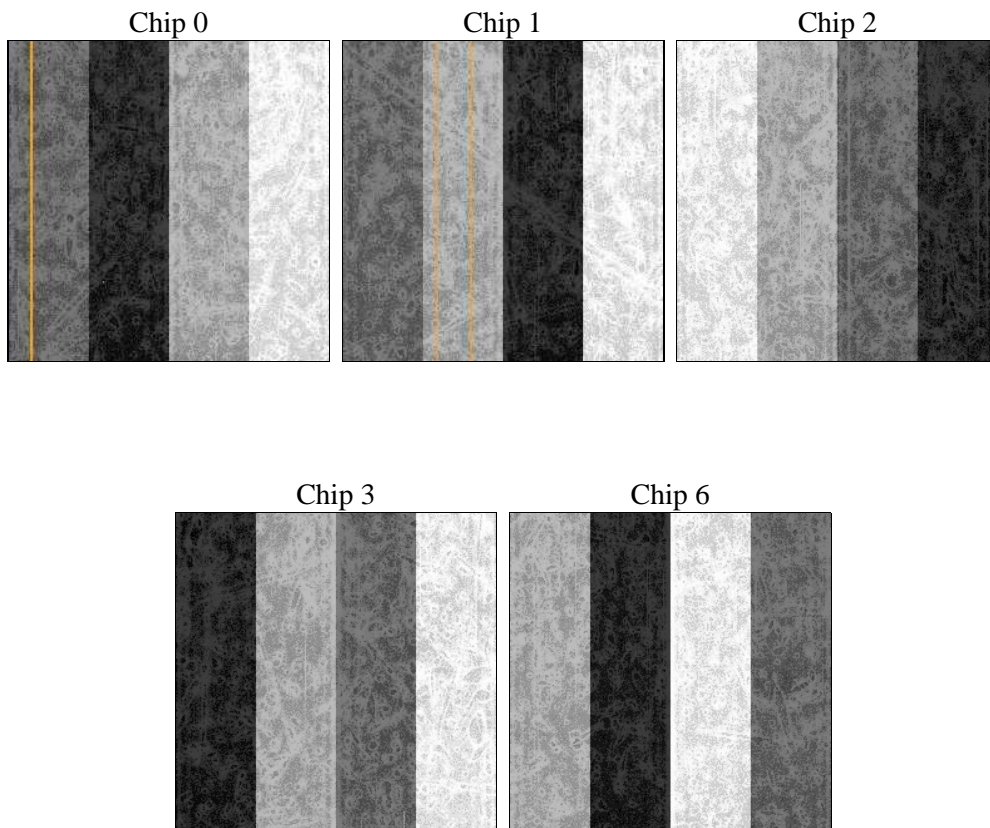
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	28000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	28047.995152235	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	28051.013002485	Sum of GTIs [s]
date	2012-03-23T14:39:44	Date and time of file creation	ontime1	28047.913042307	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	28044.813221574	Sum of GTIs [s]
			ontime3	28047.995152235	Sum of GTIs [s]
			ontime6	28047.830992192	Sum of GTIs [s]
			l1events	957924	Number of level 1 events

2.1.4 Events

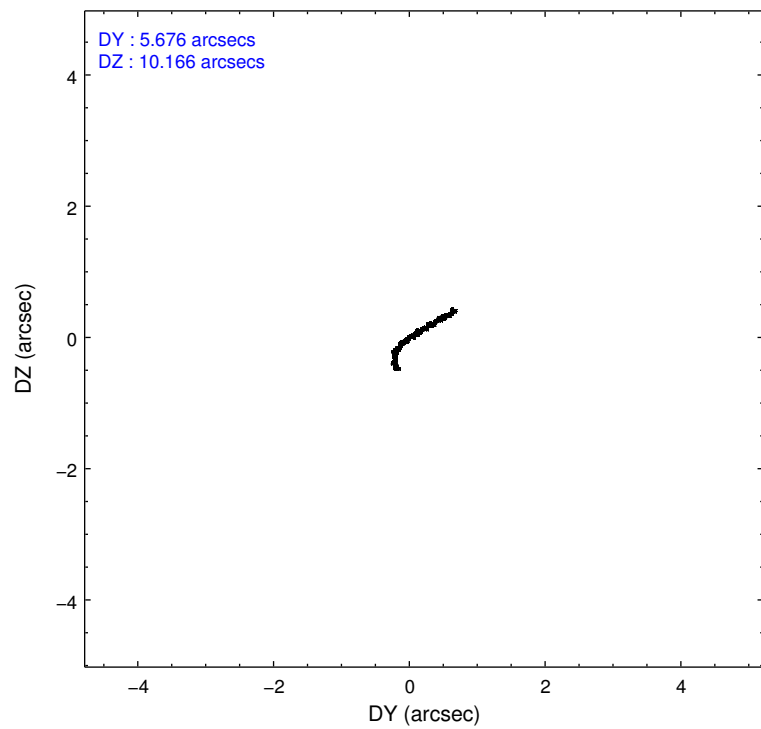
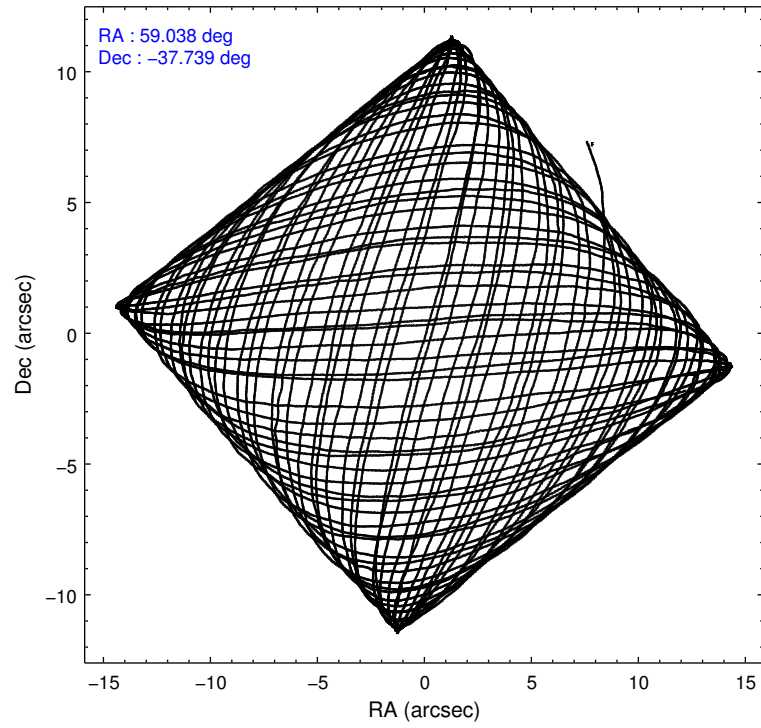
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	185446	180178	206213	192179	193908
rejected events	166071	158569	187596	172390	174404
rejected %	89%	88%	90%	89%	89%

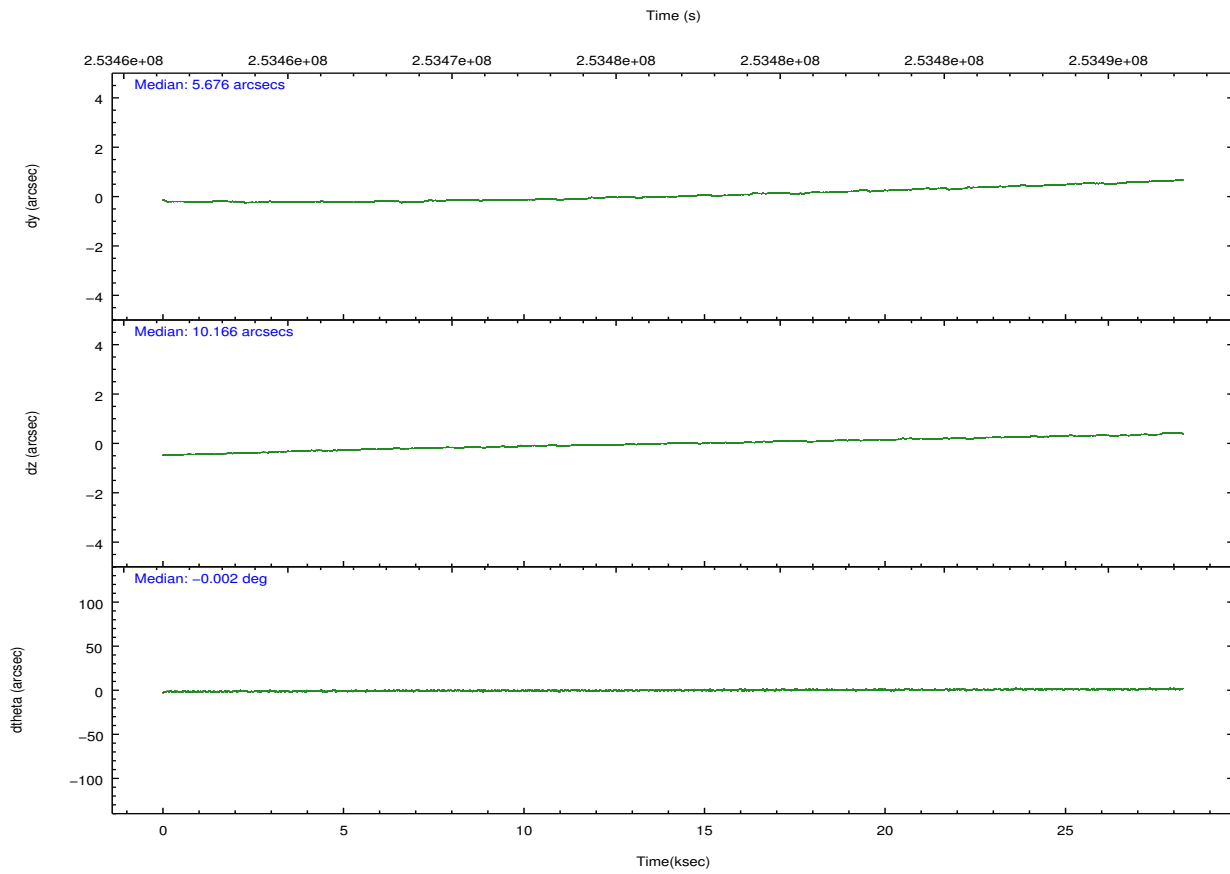
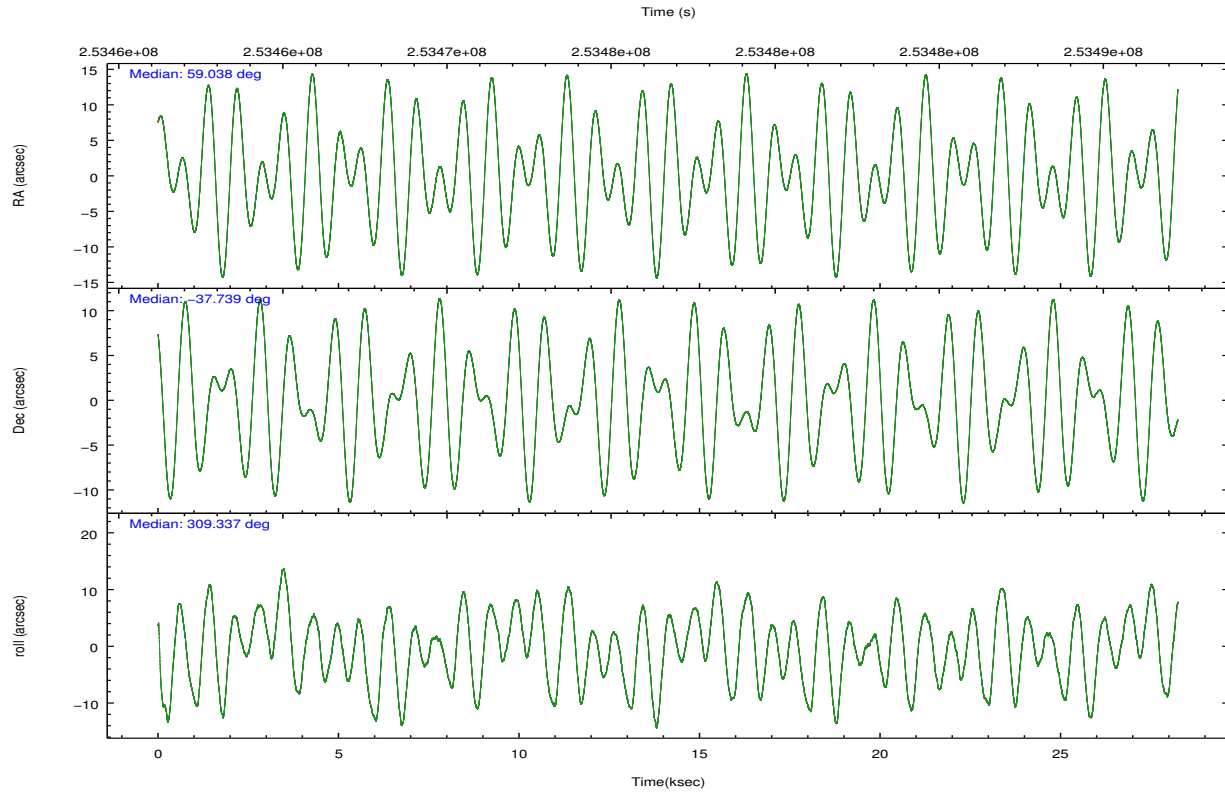
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6899	7920	6563	7772	6695
	3%	4%	3%	4%	3%
grade 1 events	88	95	111	118	84
	0%	0%	0%	0%	0%
grade 2 events	4534	4640	4424	4108	4260
	2%	2%	2%	2%	2%
grade 3 events	2204	2487	2042	2087	2155
	1%	1%	0%	1%	1%
grade 4 events	2074	2309	2113	2165	2214
	1%	1%	1%	1%	1%
grade 5 events	6547	7297	6275	7888	7539
	3%	4%	3%	4%	3%
grade 6 events	3665	4254	3475	3661	4181
	1%	2%	1%	1%	2%
grade 7 events	159435	151176	181210	164380	166780
	85%	83%	87%	85%	86%

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	59.006171	59.03863344741161	Subarray requested	NONE	NONE
[deg] Pointing Dec	-37.729793	-37.73937027364147	Alternating exposures requested	N	N
[deg] Pointing Roll	309.113359	309.3419134118915	[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	-225.840463	-225.8458576473255			
[mm] SIM translation stage offset	-7.752	-7.746595355604228			
[s] Observation start time (MET)	253462859.184000	253461901.89984			
Observation start date	2006-01-12T14:19:54	2006-01-12T14:05:01			
[s] Observation end time (MET)	253490859.184000	253492452.02626			
Observation end date	2006-01-12T22:06:34	2006-01-12T22:34:12			
Read mode	TIMED	TIMED			

2.3 Aspect



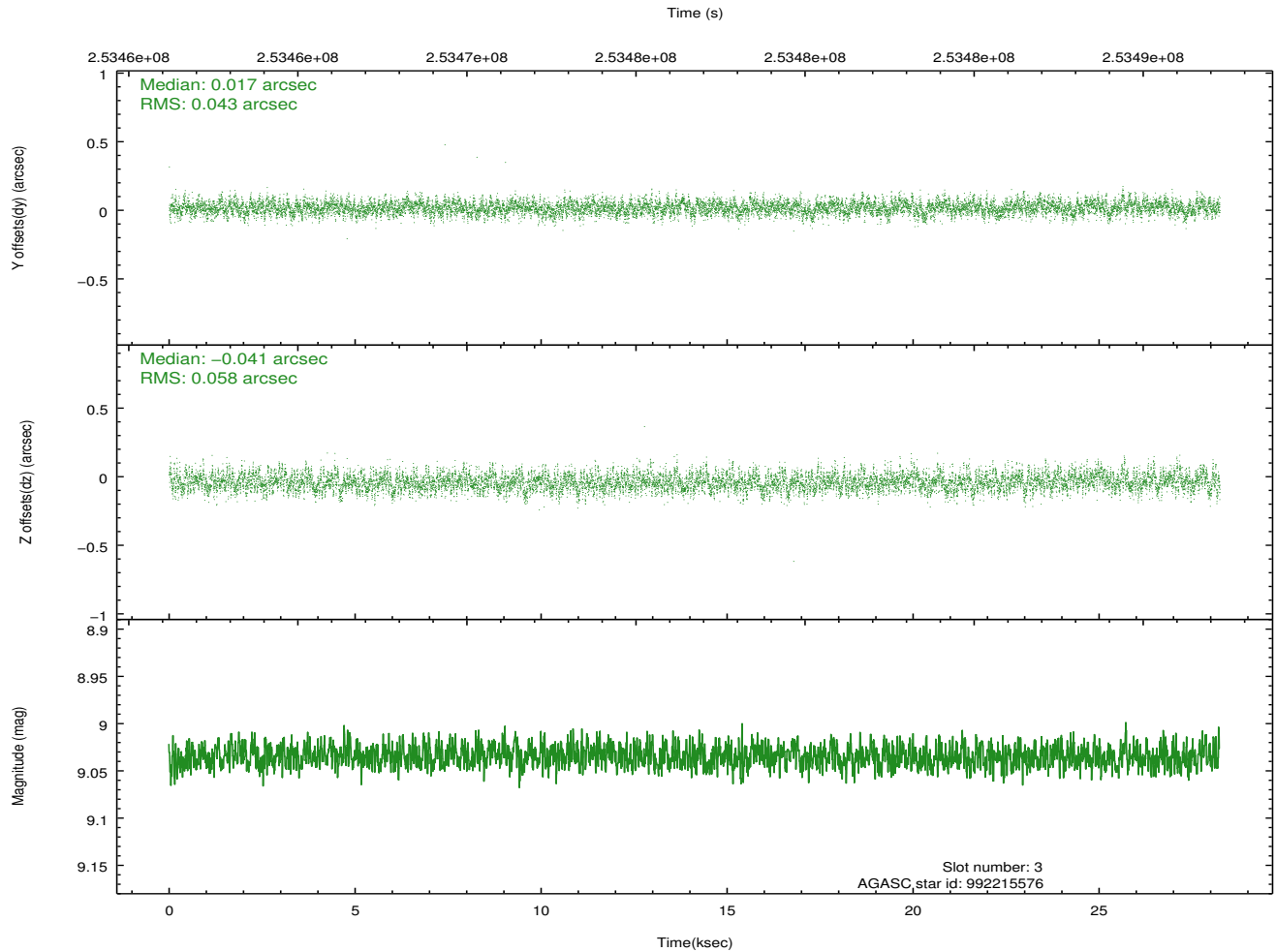
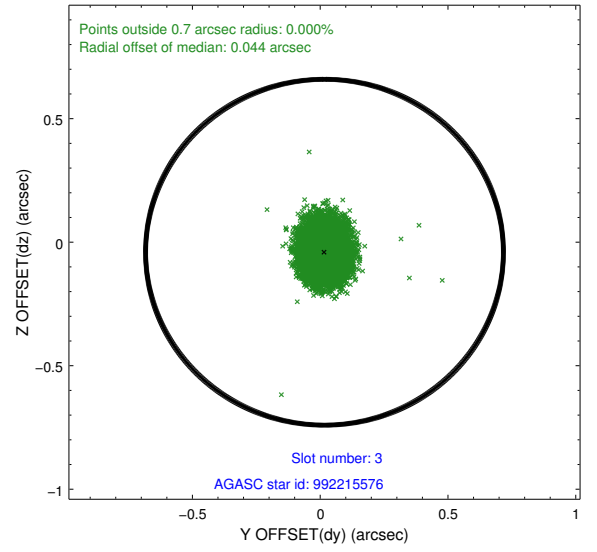
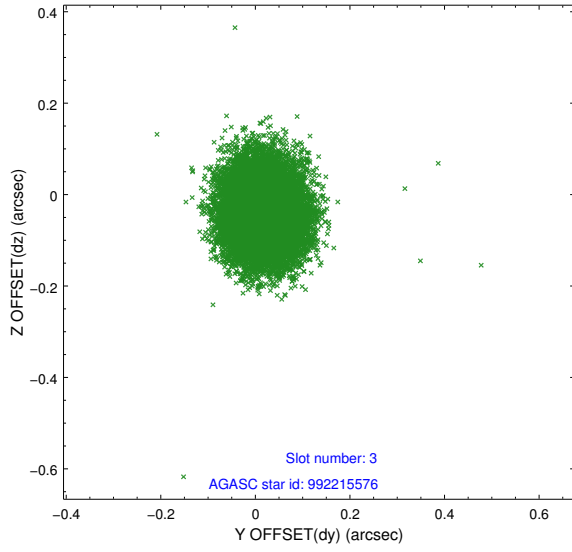


Slot Statistics

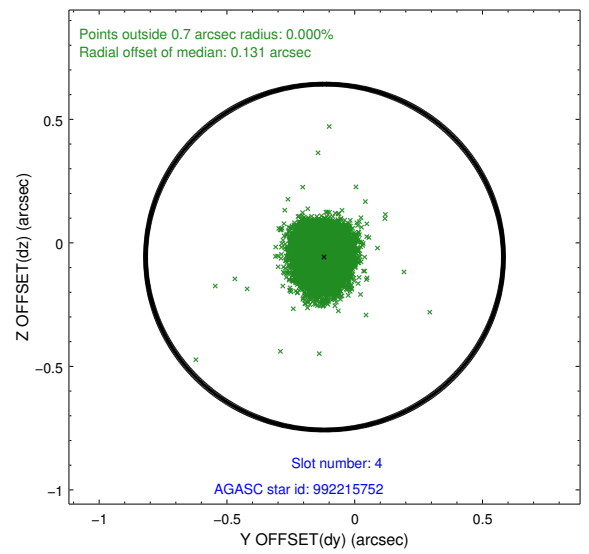
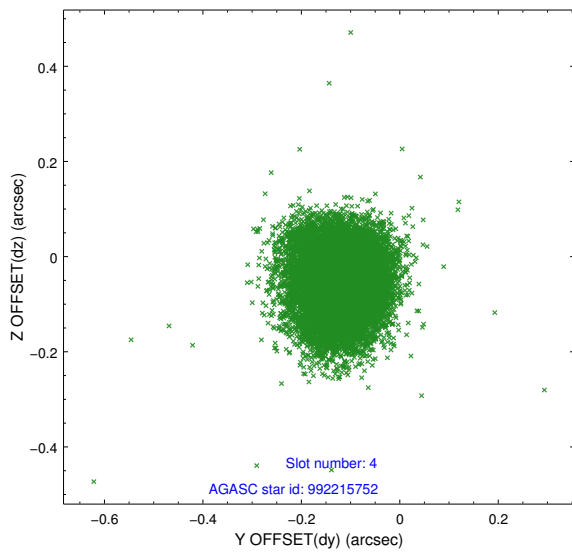
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	6890	0.112	-0.115	0.013	0.023	0.000000	0.000000	933.93	-992.77
1	FID	ACIS-I-5	7.22	6890	-0.262	0.088	0.012	0.031	0.000000	0.000000	-1814.50	904.86
2	FID	ACIS-I-6	7.25	6890	0.057	0.096	0.016	0.030	0.000000	0.000000	399.32	1549.47
3	GUIDE	992215576	9.03	13768	0.017	-0.041	0.077	0.125	58.263775	-37.940399	-733.43	-2119.22
4	GUIDE	992215752	9.10	13774	-0.118	-0.058	0.085	0.137	57.964046	-37.727573	-1865.19	-2308.07
5	GUIDE	992221496	9.71	13748	0.128	0.058	0.122	0.192	59.501137	-38.031739	1732.10	401.23
6	GUIDE	992224632	8.71	13770	0.021	0.061	0.064	0.106	58.684868	-38.039040	291.03	-1409.68
7	GUIDE	922094264	9.77	13718	-0.050	-0.024	0.116	0.185	58.201563	-37.402726	-2357.26	-1048.59

2.4 Star Slots

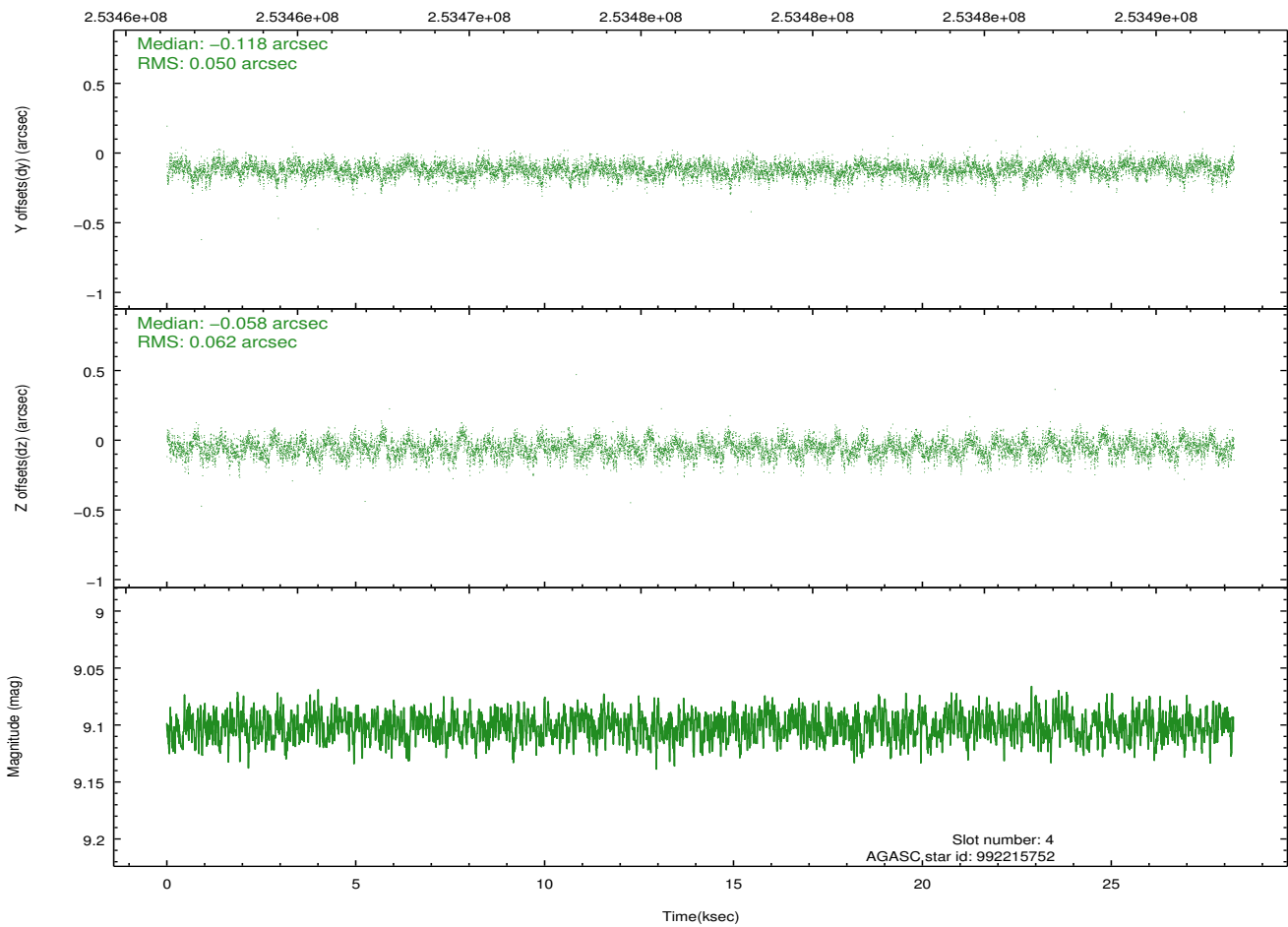
2.4.1 Slot 3



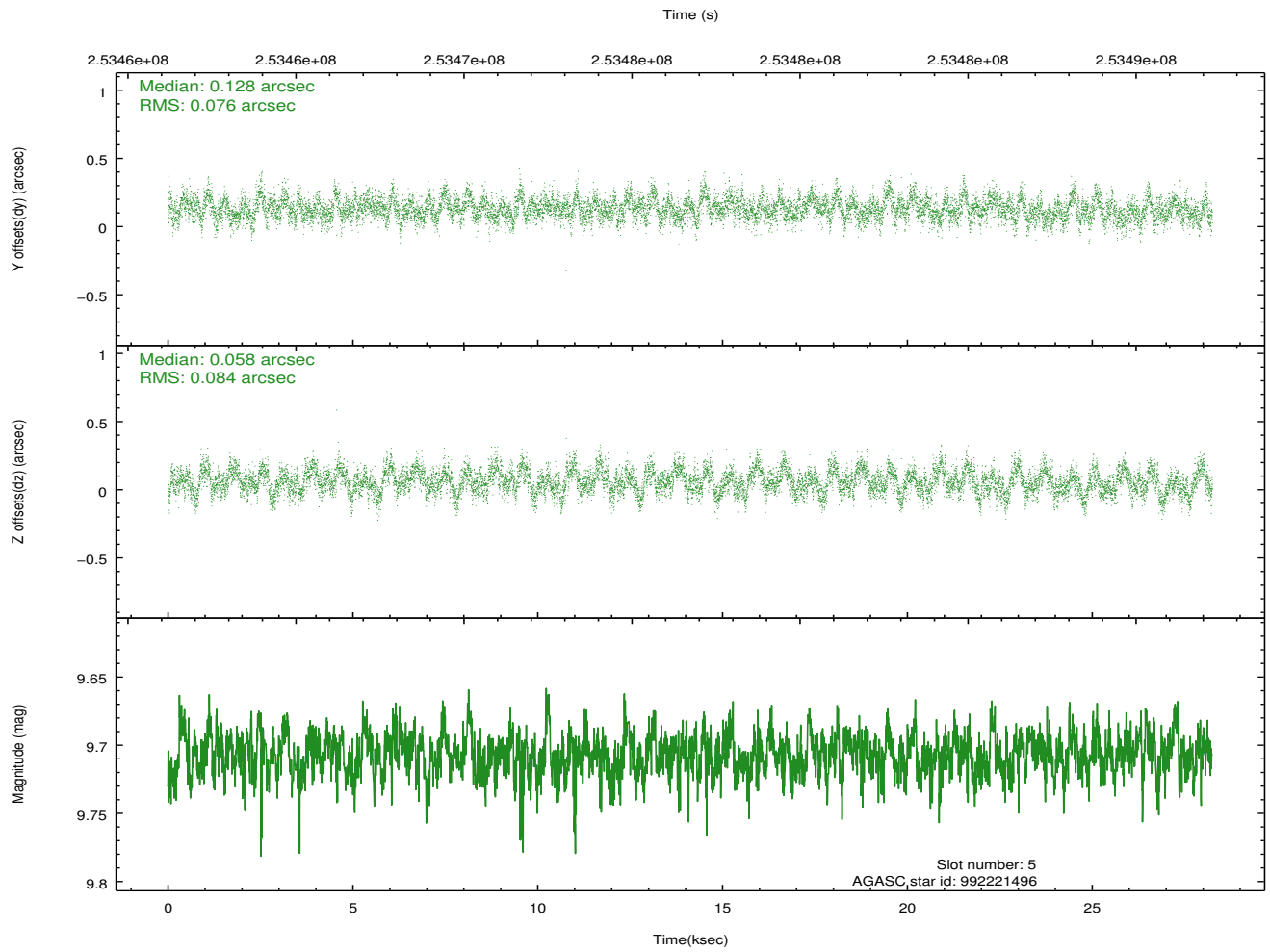
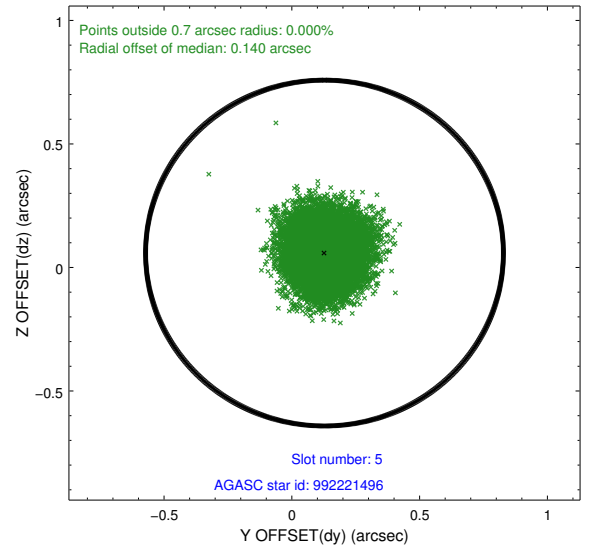
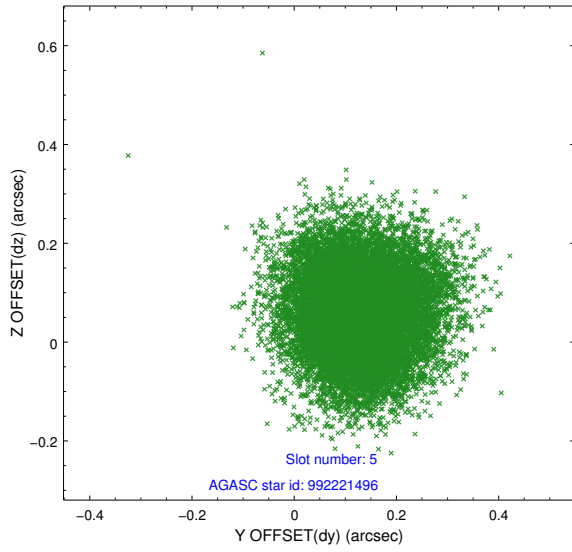
2.4.2 Slot 4



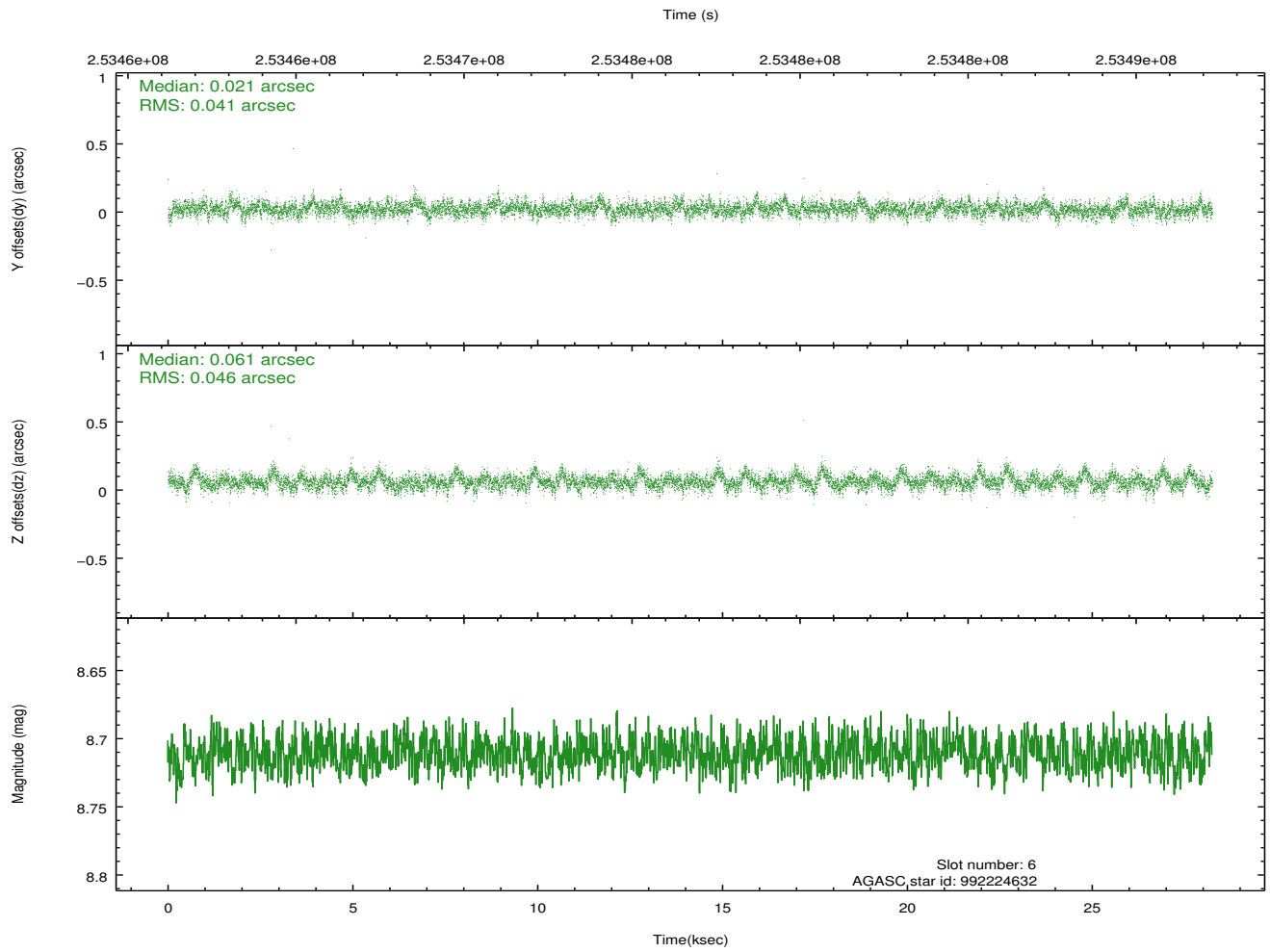
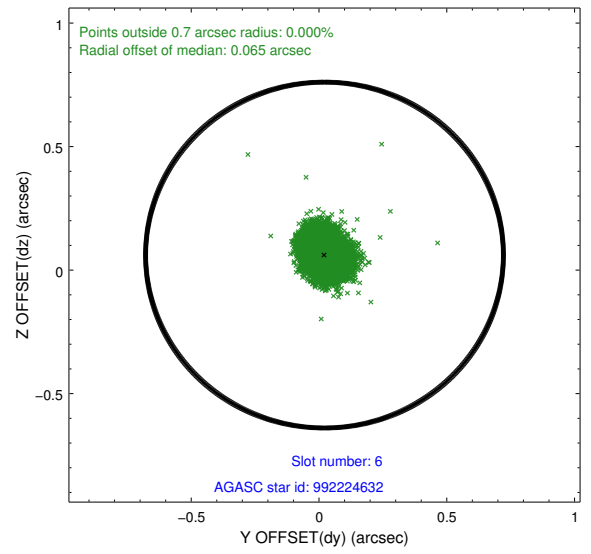
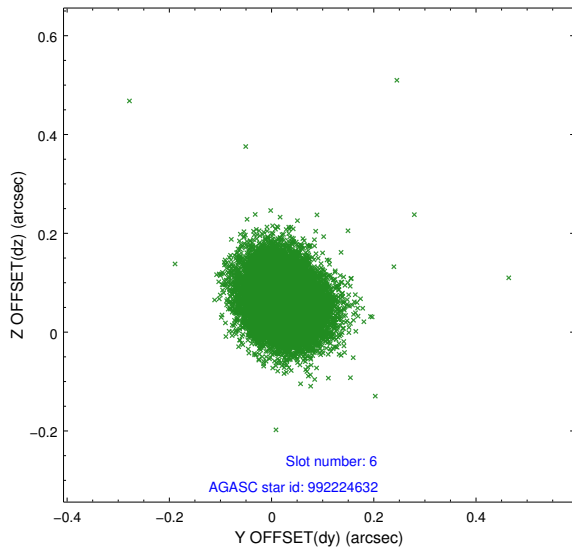
Time (s)



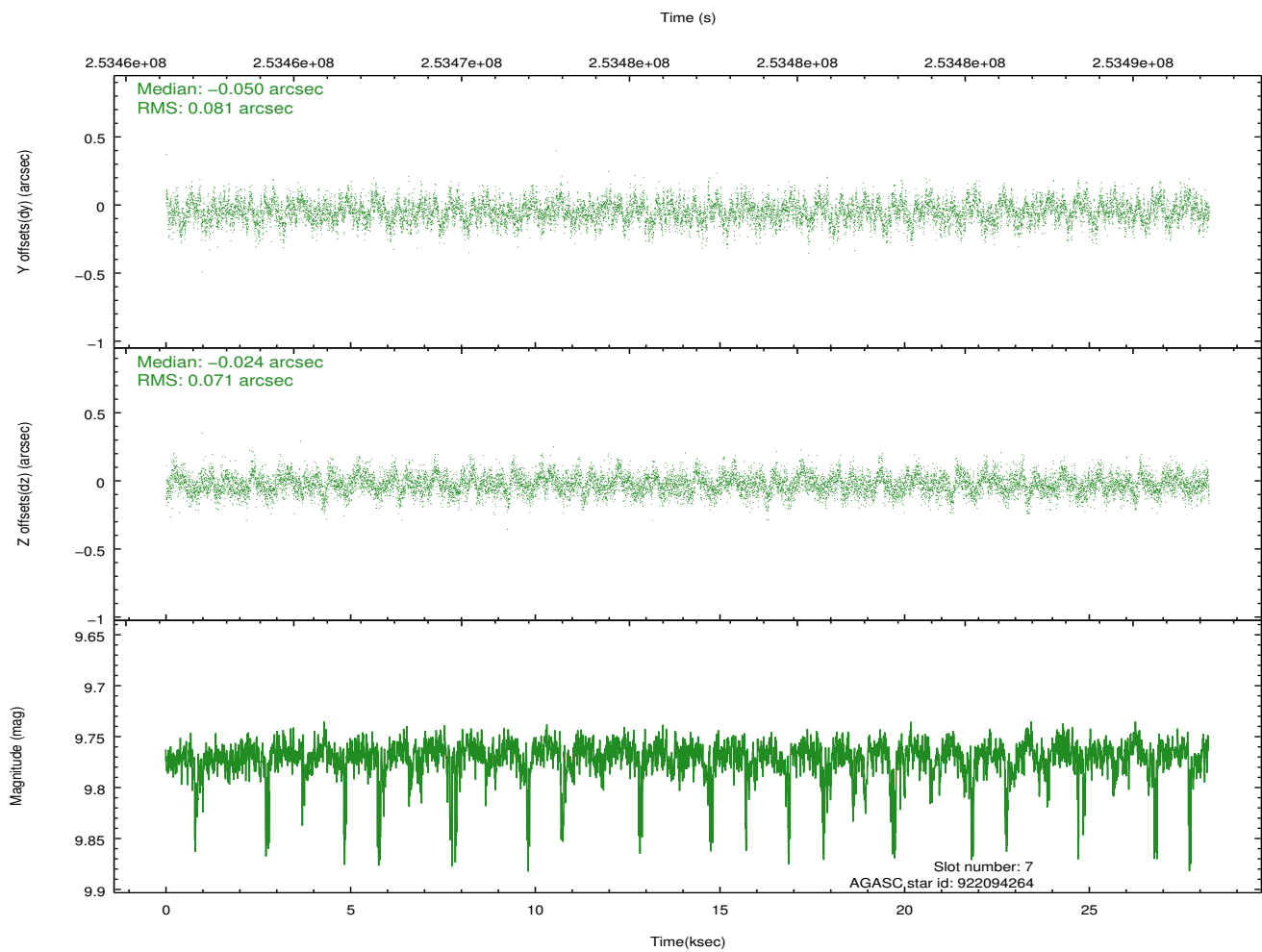
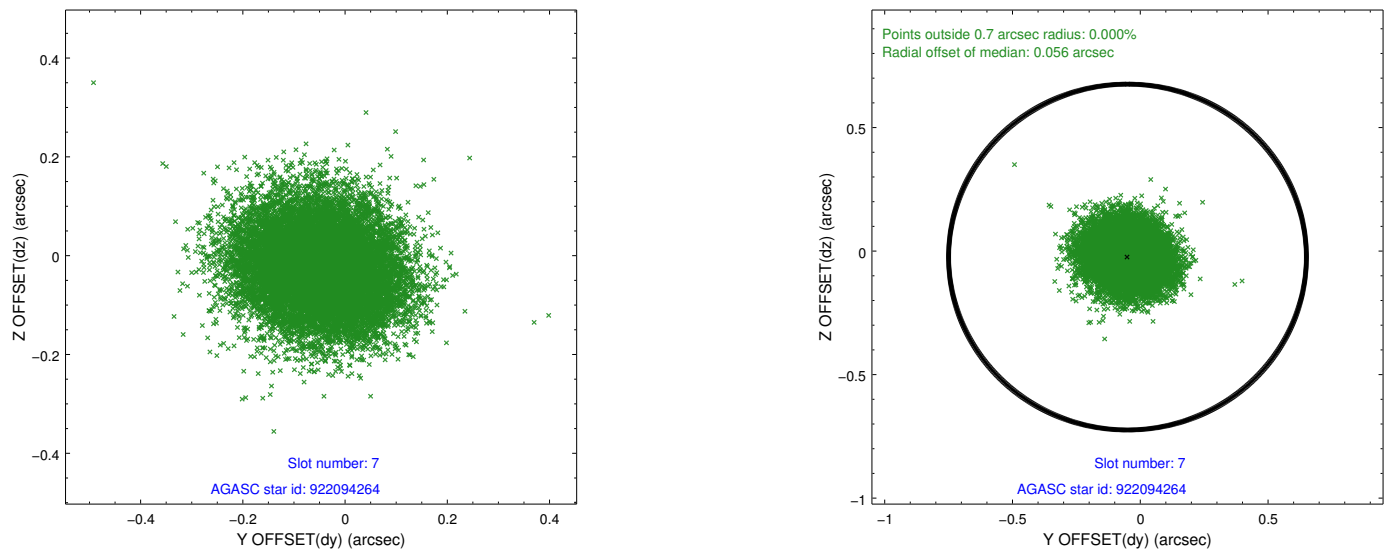
2.4.3 Slot 5



2.4.4 Slot 6

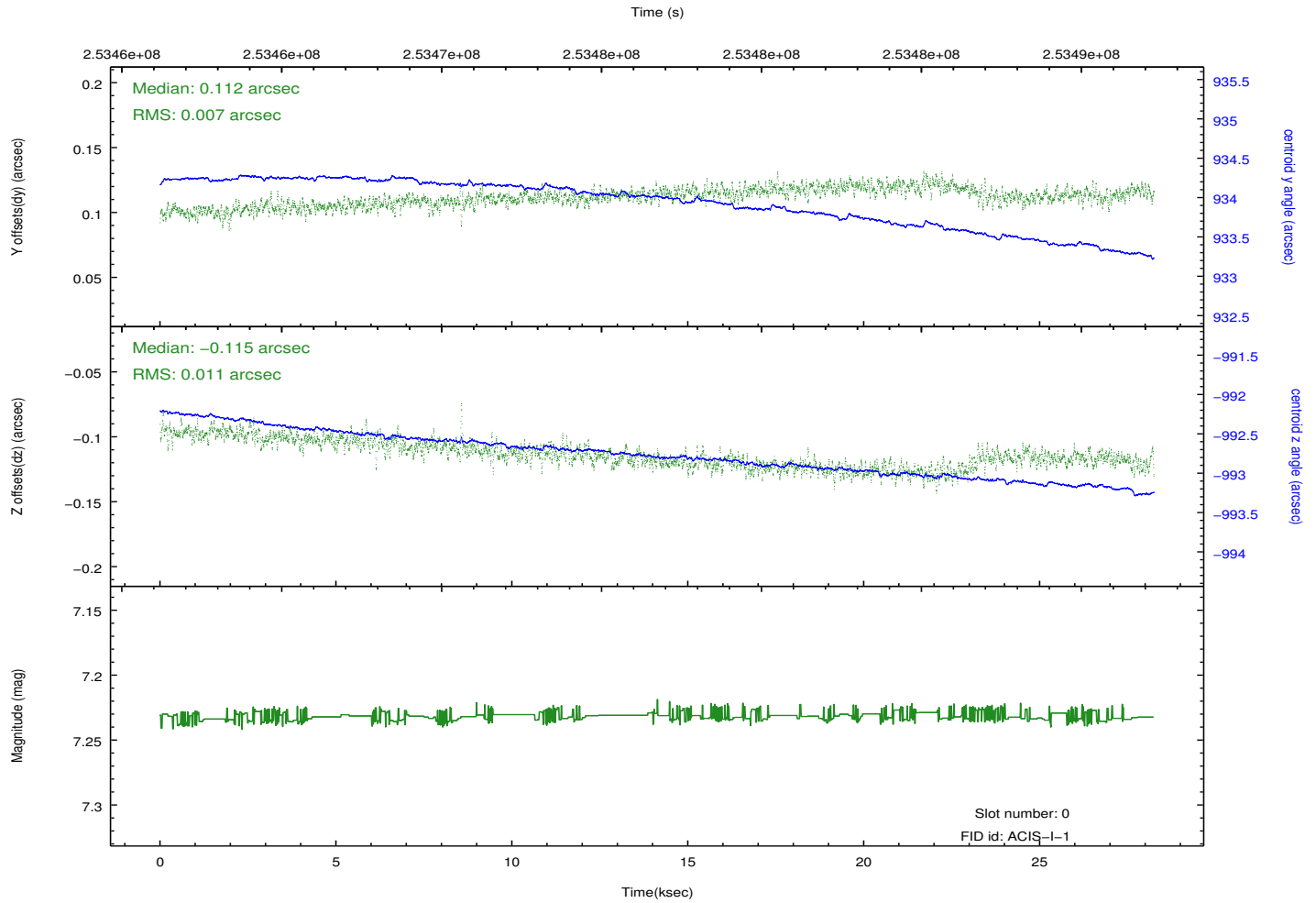
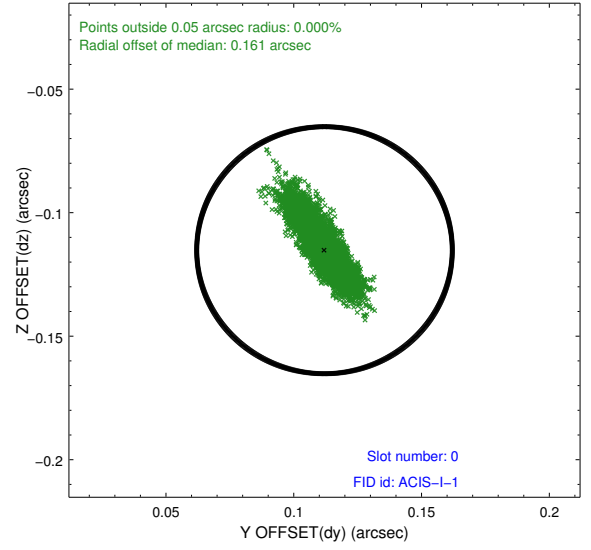
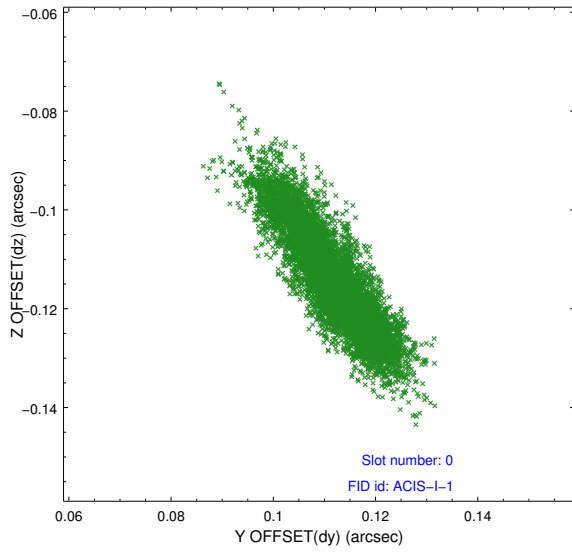


2.4.5 Slot 7

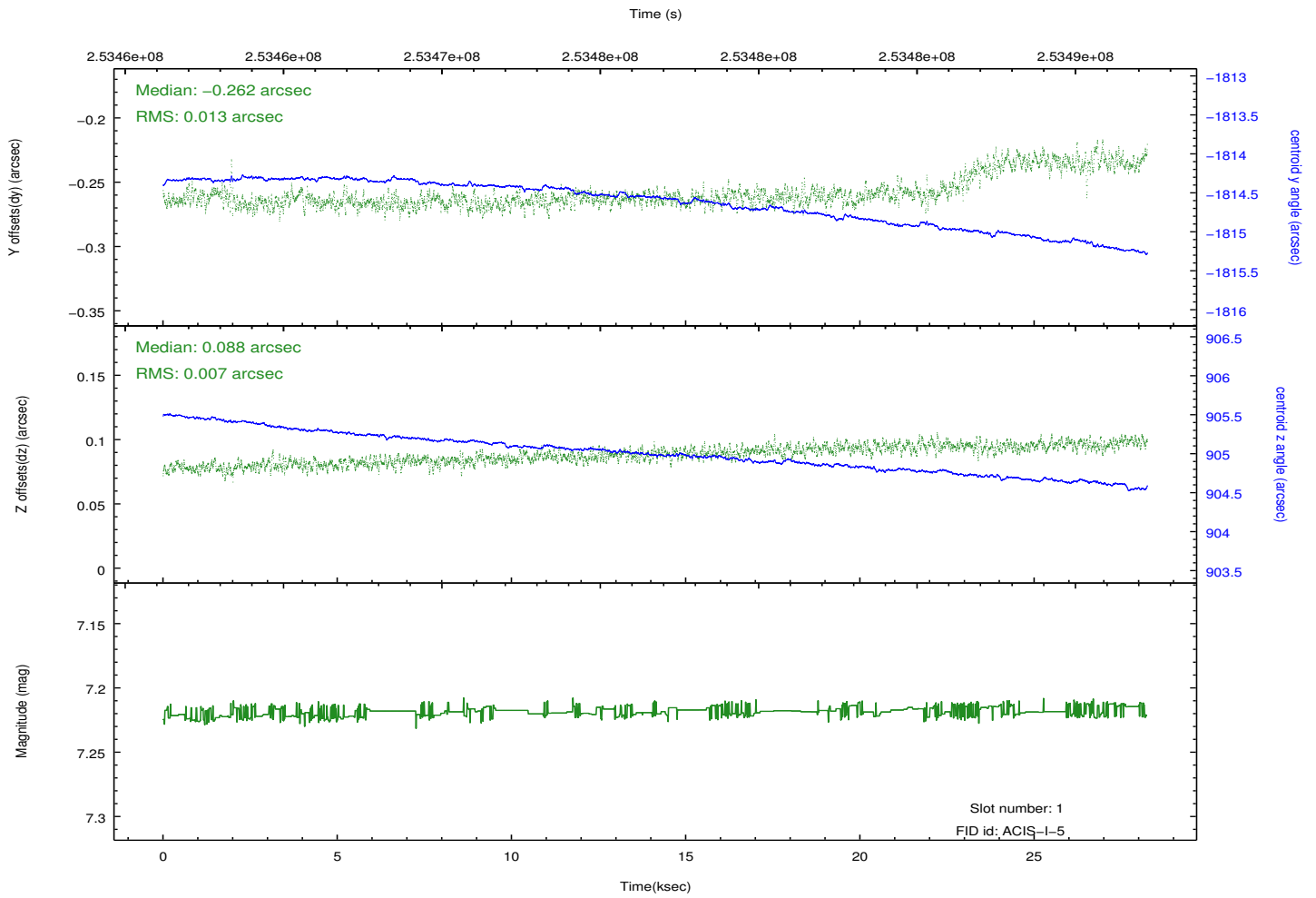
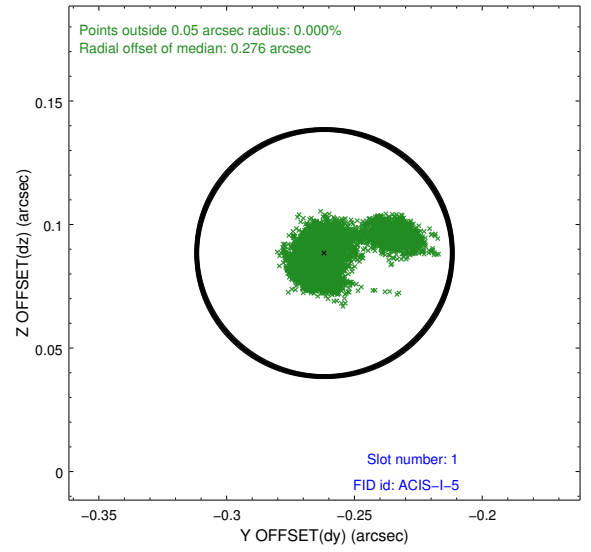
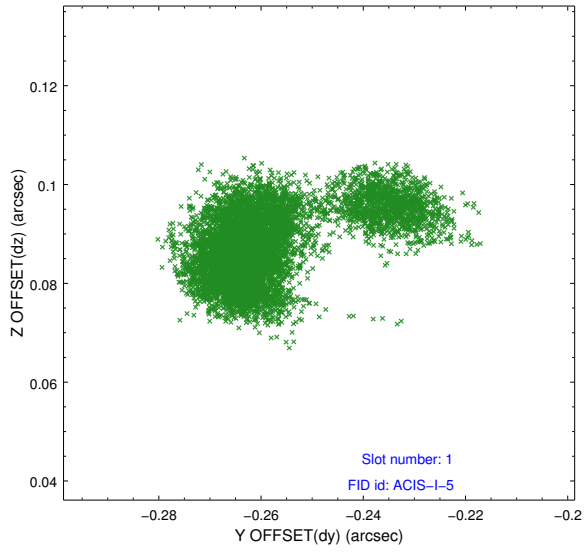


2.5 FID Slots

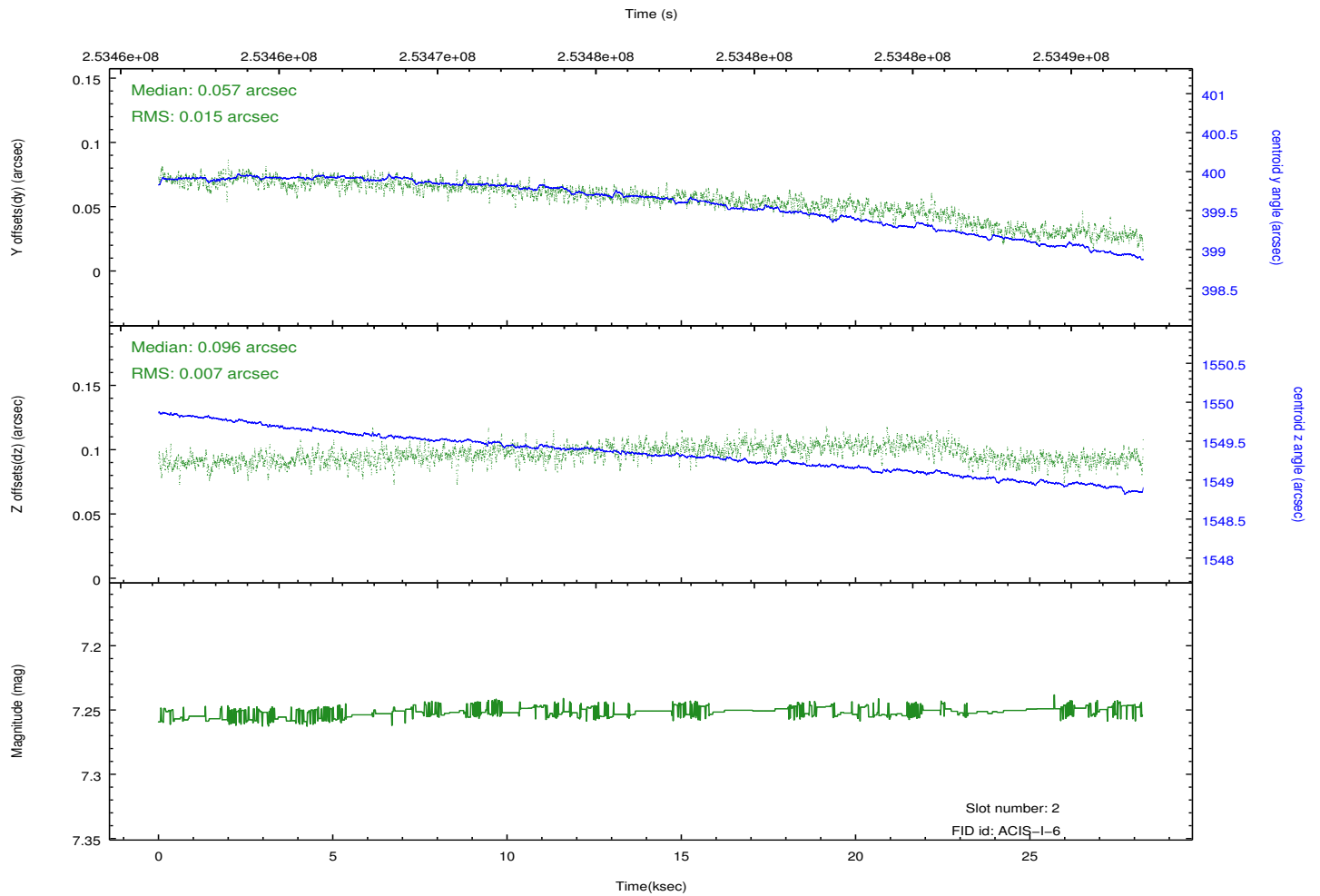
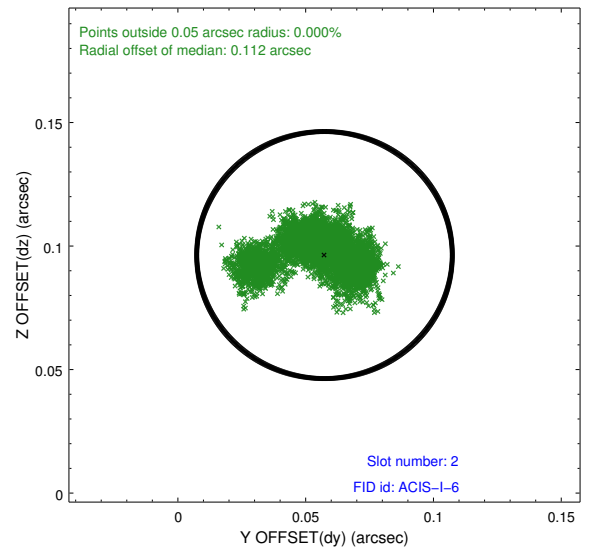
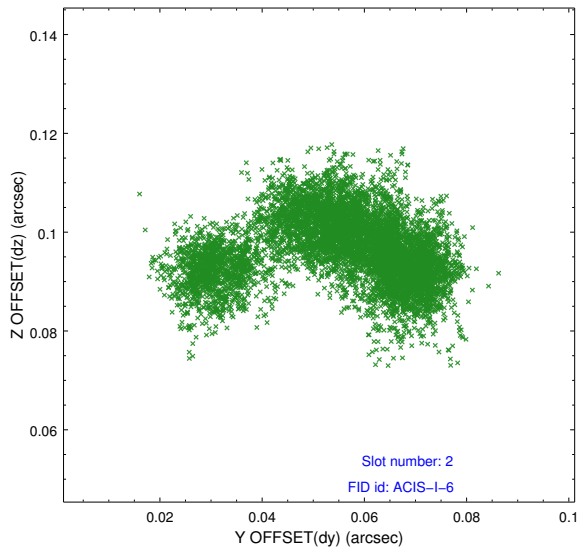
2.5.1 Slot 0



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)	2012.03.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.0487589

A.2 Comments