

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4217 - L2 Version 3
Chandra X-Ray Center

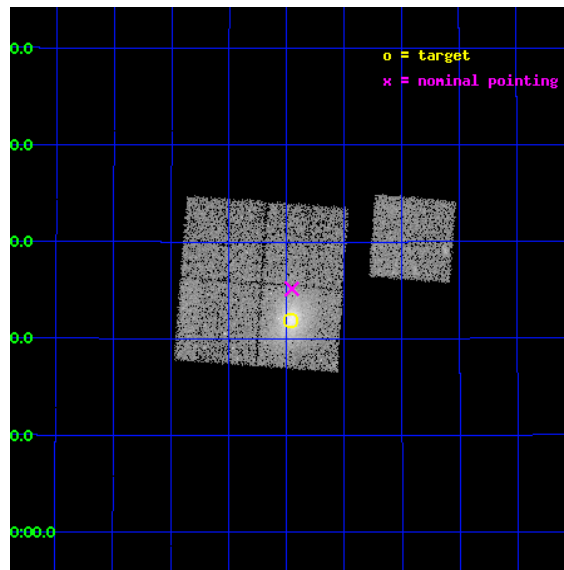
L2 Processing Date : Oct 19 2012

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1 Front

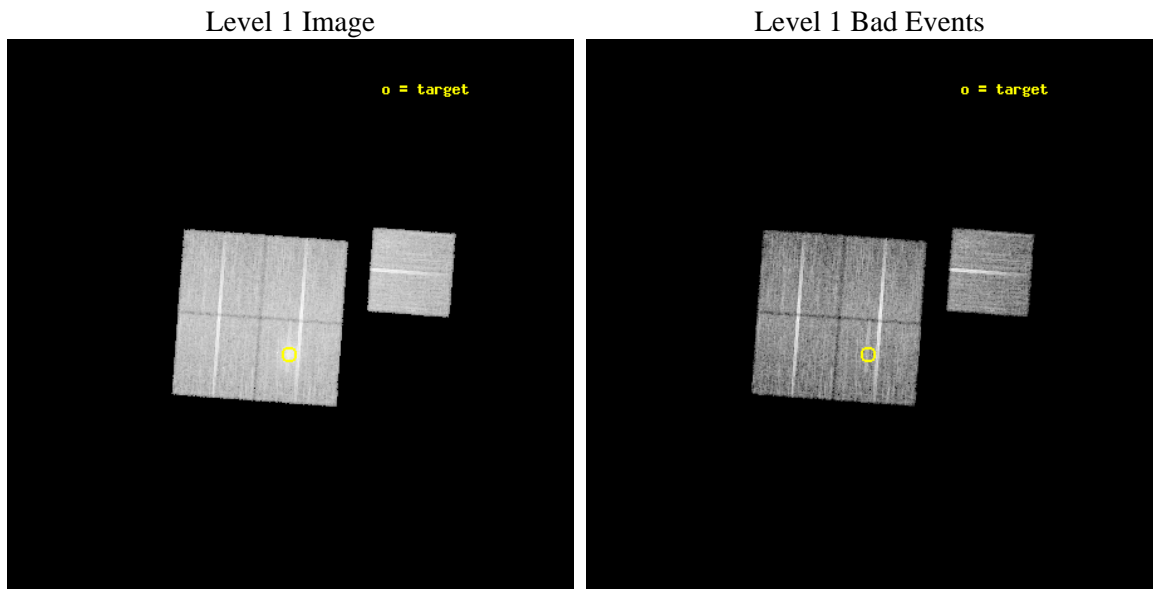
seq_num	800373	Sequence number
obs_id	4217	Observation id
title	X-RAY/SZ DETERMINATION OF COSMOLOGICAL PARAMETERS, PART II	Proposa
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	A697	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.740833	Observer's specified target RA [deg]
dec_targ	36.365	Observer's specified target Dec [deg]
ra_nom	130.73834666664	Nominal RA [deg]
dec_nom	36.41924784295	Nominal Dec [deg]
roll_nom	94.209202908593	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19774.176668674	Sum of GTIs [s]
livetime	19515.81249296	Livetime [s]
ontime0	19777.194488943	Sum of GTIs [s]
ontime1	19774.094528824	Sum of GTIs [s]
ontime2	19777.276568949	Sum of GTIs [s]
ontime3	19774.176668674	Sum of GTIs [s]
ontime6	19774.012468696	Sum of GTIs [s]
l2events	60575	Number of level 2 events



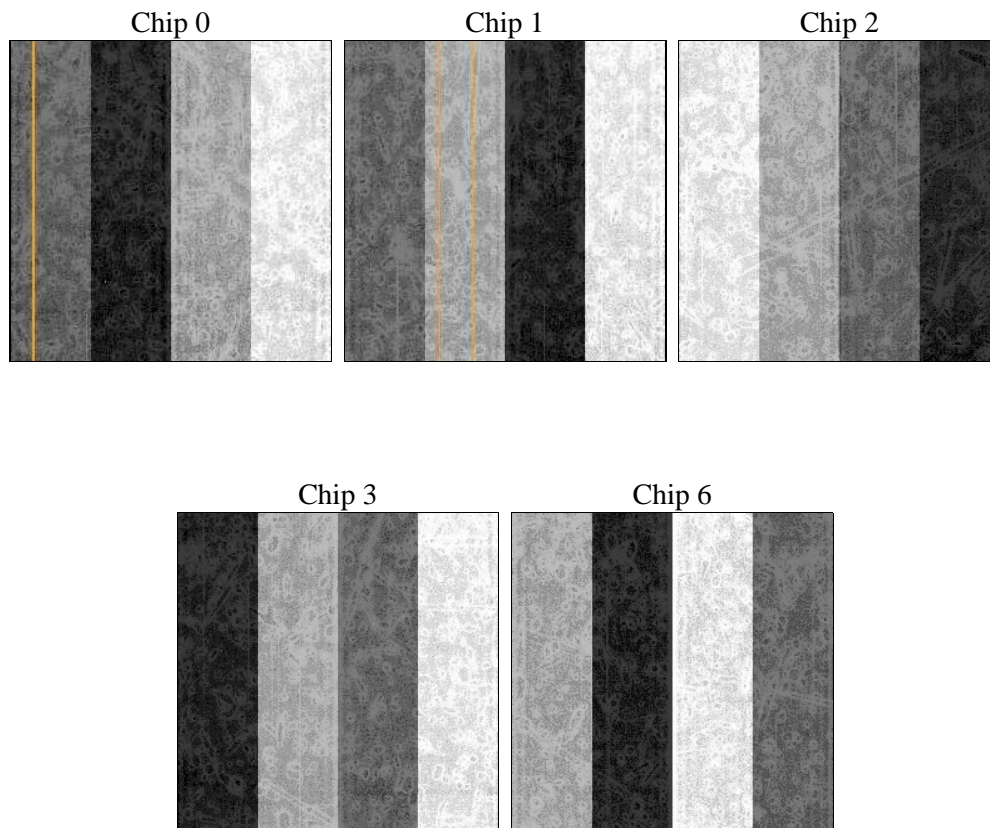
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19774.176668674	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	19777.194488943	Sum of GTIs [s]
date	2012-10-19T05:51:23	Date and time of file creation	ontime1	19774.094528824	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	19777.276568949	Sum of GTIs [s]
			ontime3	19774.176668674	Sum of GTIs [s]
			ontime6	19774.012468696	Sum of GTIs [s]
			l1events	522040	Number of level 1 events

2.1.4 Events

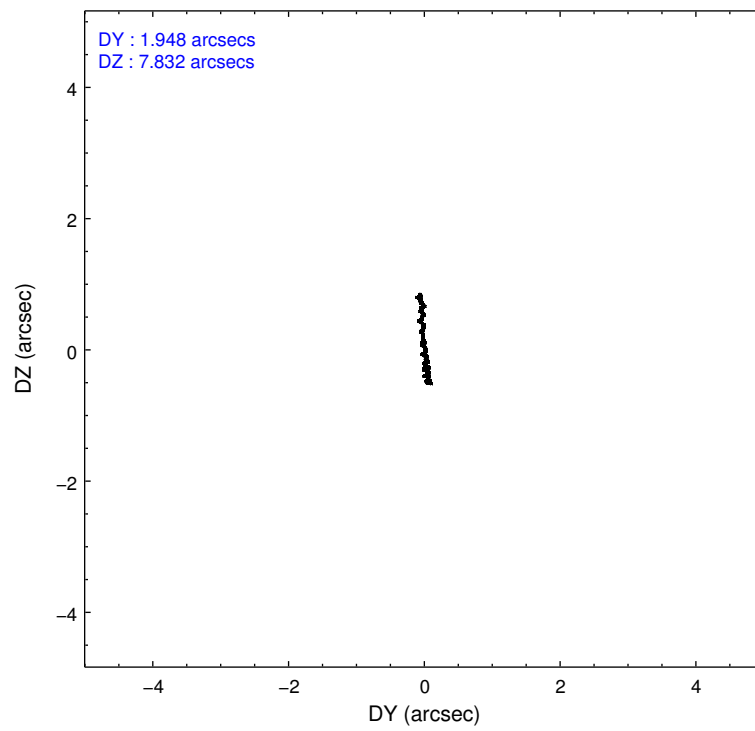
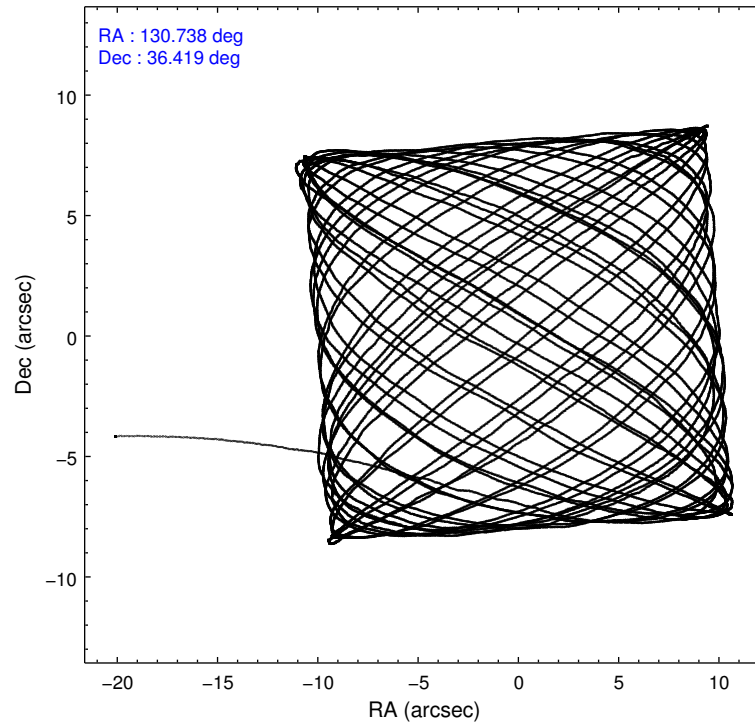
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	93376	98099	105734	121528	103303
rejected events	83316	86166	95402	93855	92750
rejected %	89%	87%	90%	77%	89%

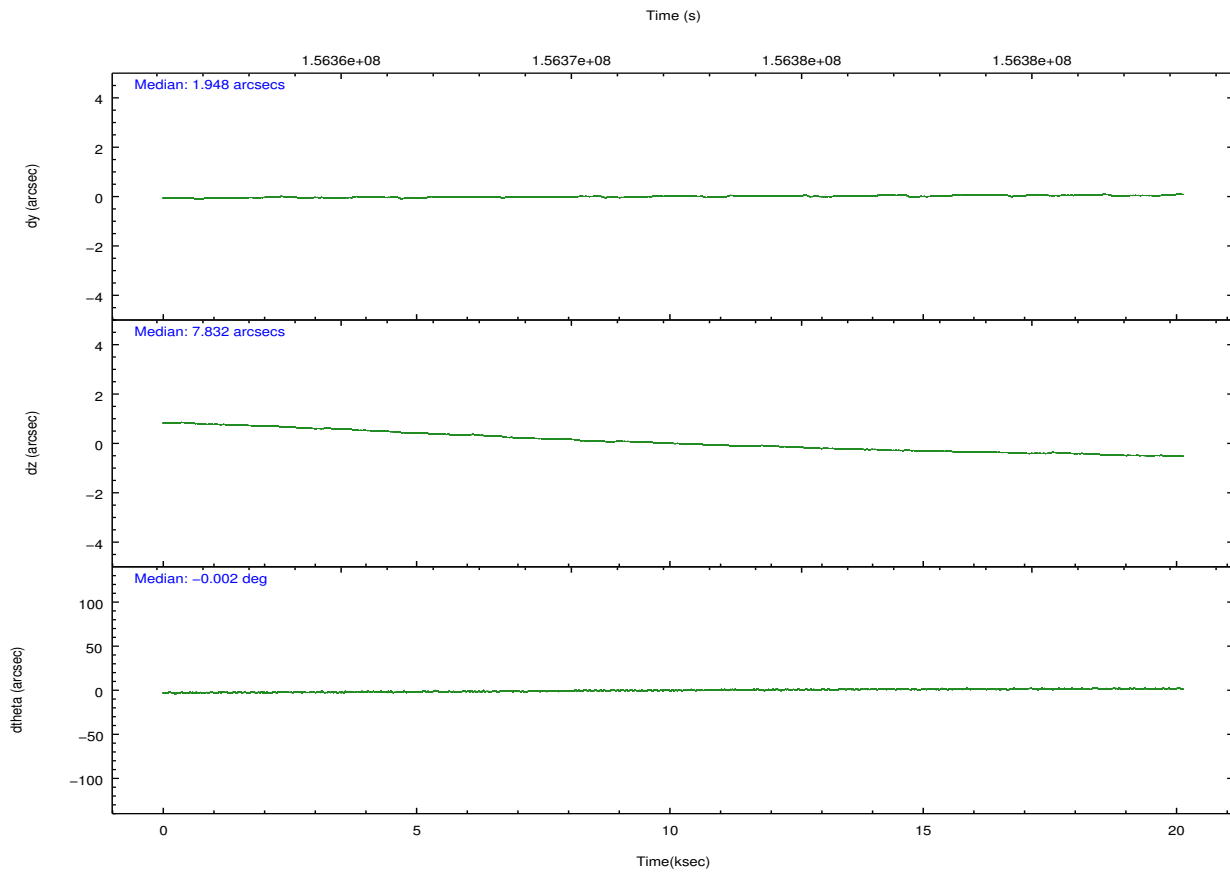
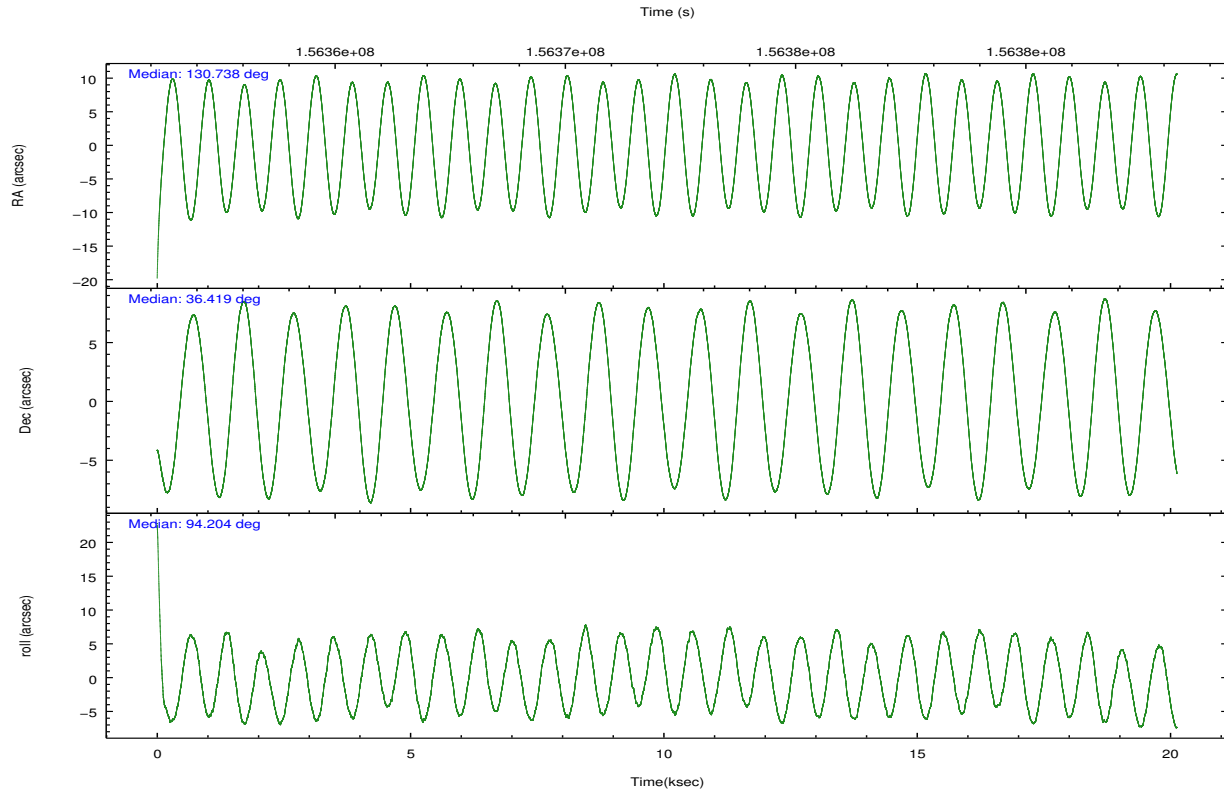
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3572	4617	4079	18093	3759
	3%	4%	3%	14%	3%
grade 1 events	51	46	33	125	36
	0%	0%	0%	0%	0%
grade 2 events	2312	2521	2244	3808	2228
	2%	2%	2%	3%	2%
grade 3 events	1208	1299	1080	1754	1214
	1%	1%	1%	1%	1%
grade 4 events	1085	1308	1141	1722	1140
	1%	1%	1%	1%	1%
grade 5 events	3439	3631	3301	3766	3790
	3%	3%	3%	3%	3%
grade 6 events	1884	2189	1788	2303	2215
	2%	2%	1%	1%	2%
grade 7 events	79825	82488	92068	89957	88921
	85%	84%	87%	74%	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	130.757596	130.73834666666362	Subarray requested	NONE	NONE
[deg] Pointing Dec	36.396691	36.41924784295041	Alternating exposures requested	N	N
[deg] Pointing Roll	93.989084	94.2092029085927	[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)	156362270.184000	156361239.8836			
Observation start date	2002-12-15T17:56:46	2002-12-15T17:40:39			
[s] Observation end time (MET)	156382270.184000	156382506.58449			
Observation end date	2002-12-15T23:30:06	2002-12-15T23:35:06			
Read mode	TIMED	TIMED			

2.3 Aspect



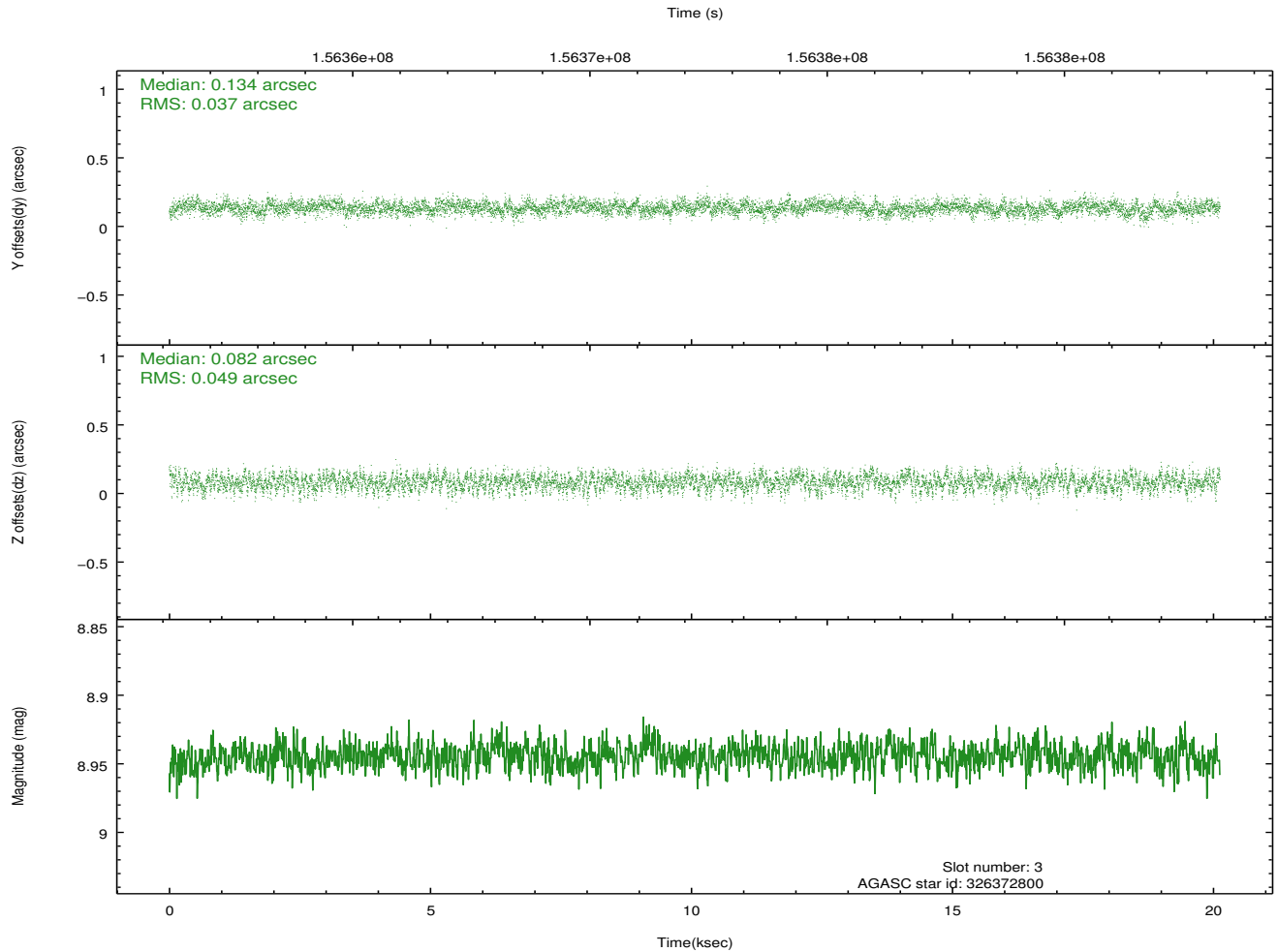
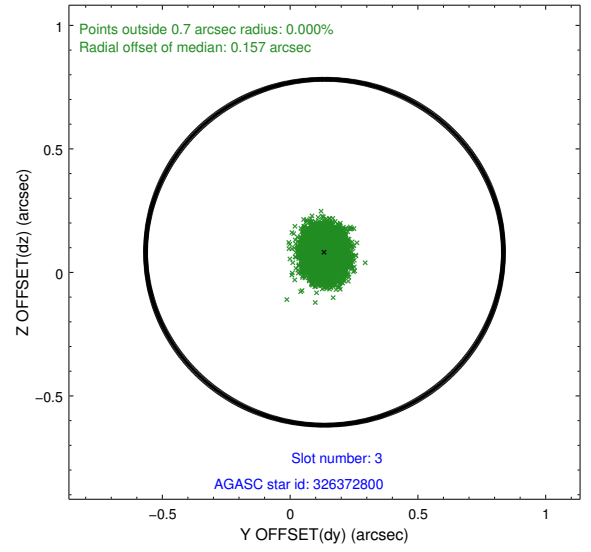
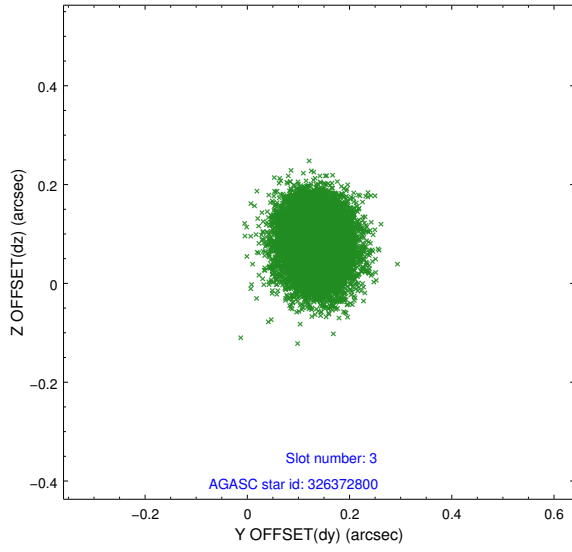


Slot Statistics

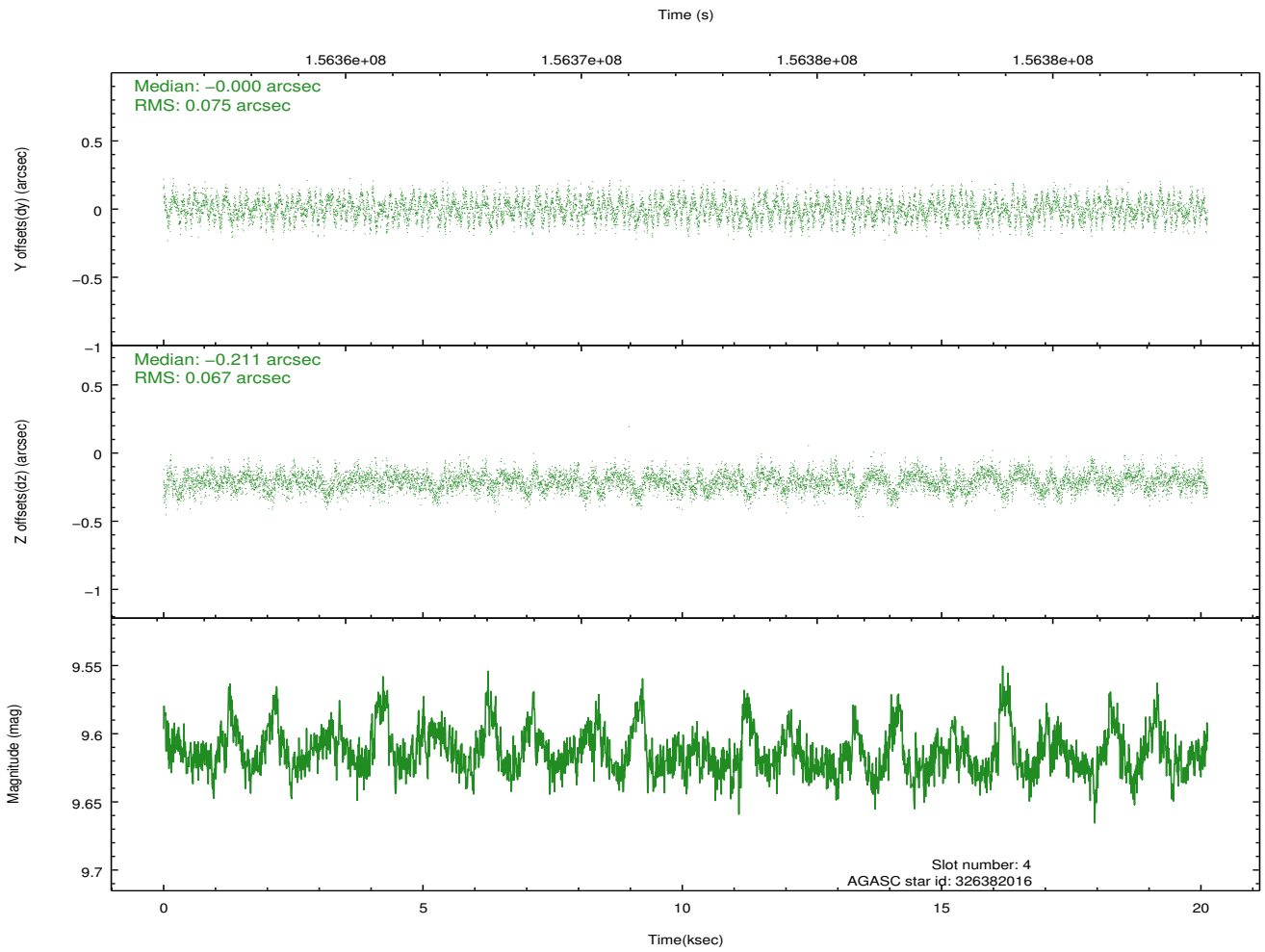
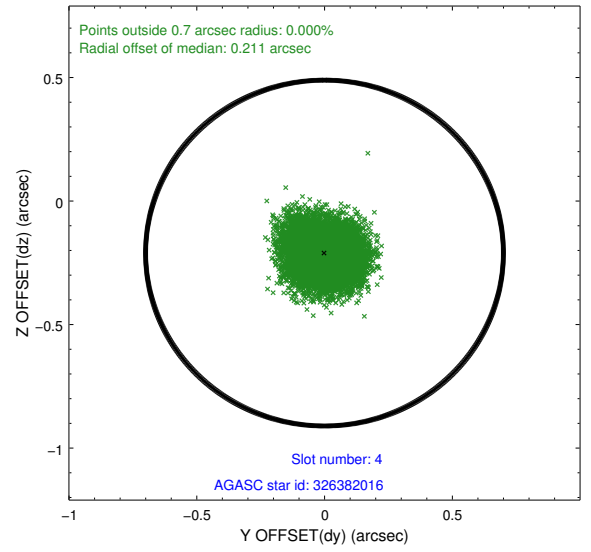
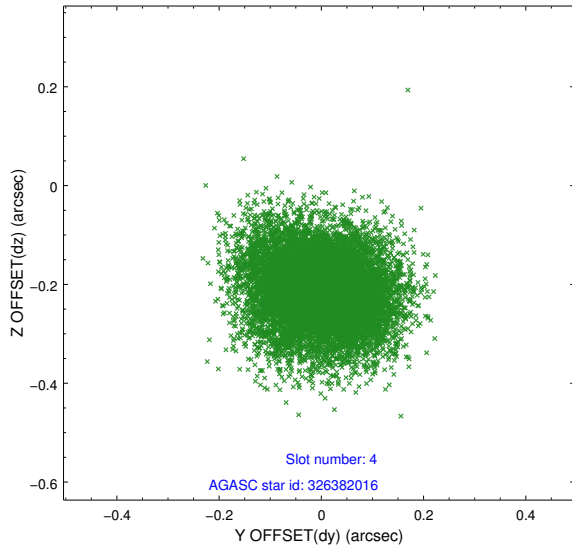
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4910	0.062	-0.030	0.024	0.034	0.000000	0.000000	937.79	-990.38
1	FID	ACIS-I-5	7.22	4910	-0.149	0.084	0.018	0.030	0.000000	0.000000	-1810.42	907.10
2	FID	ACIS-I-6	7.26	4910	-0.005	0.021	0.012	0.023	0.000000	0.000000	403.07	1551.76
3	GUIDE	326372800	8.94	9818	0.134	0.082	0.066	0.105	131.462360	35.854525	-2081.83	-1916.42
4	GUIDE	326382016	9.62	9805	-0.000	-0.211	0.108	0.171	130.062959	36.685792	1185.11	1927.19
5	GUIDE	326382712	6.77	9820	-0.105	0.171	0.072	0.113	131.042224	36.918345	1818.13	-947.53
6	GUIDE	326379304	8.49	9819	0.174	-0.153	0.056	0.092	130.301704	35.966005	-1450.63	1432.37
7	GUIDE	326374672	8.45	9817	-0.200	0.115	0.078	0.123	131.209149	37.086784	2391.59	-1466.46

2.4 Star Slots

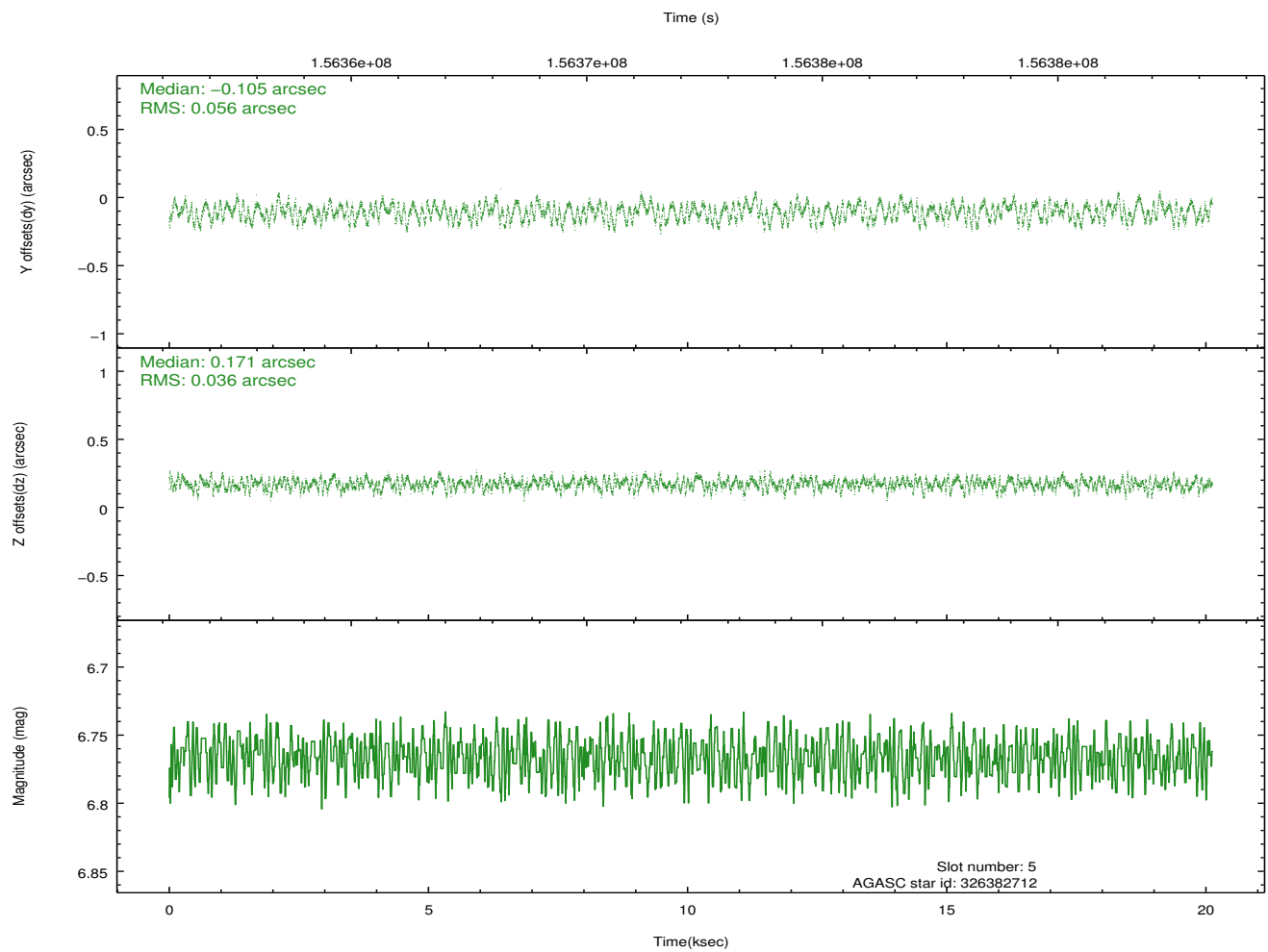
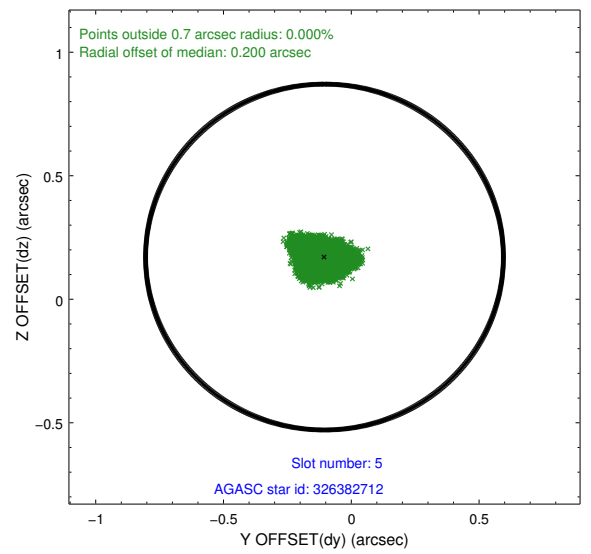
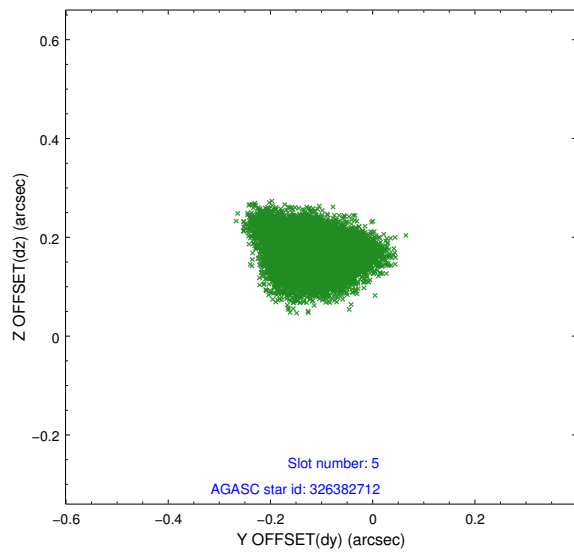
2.4.1 Slot 3



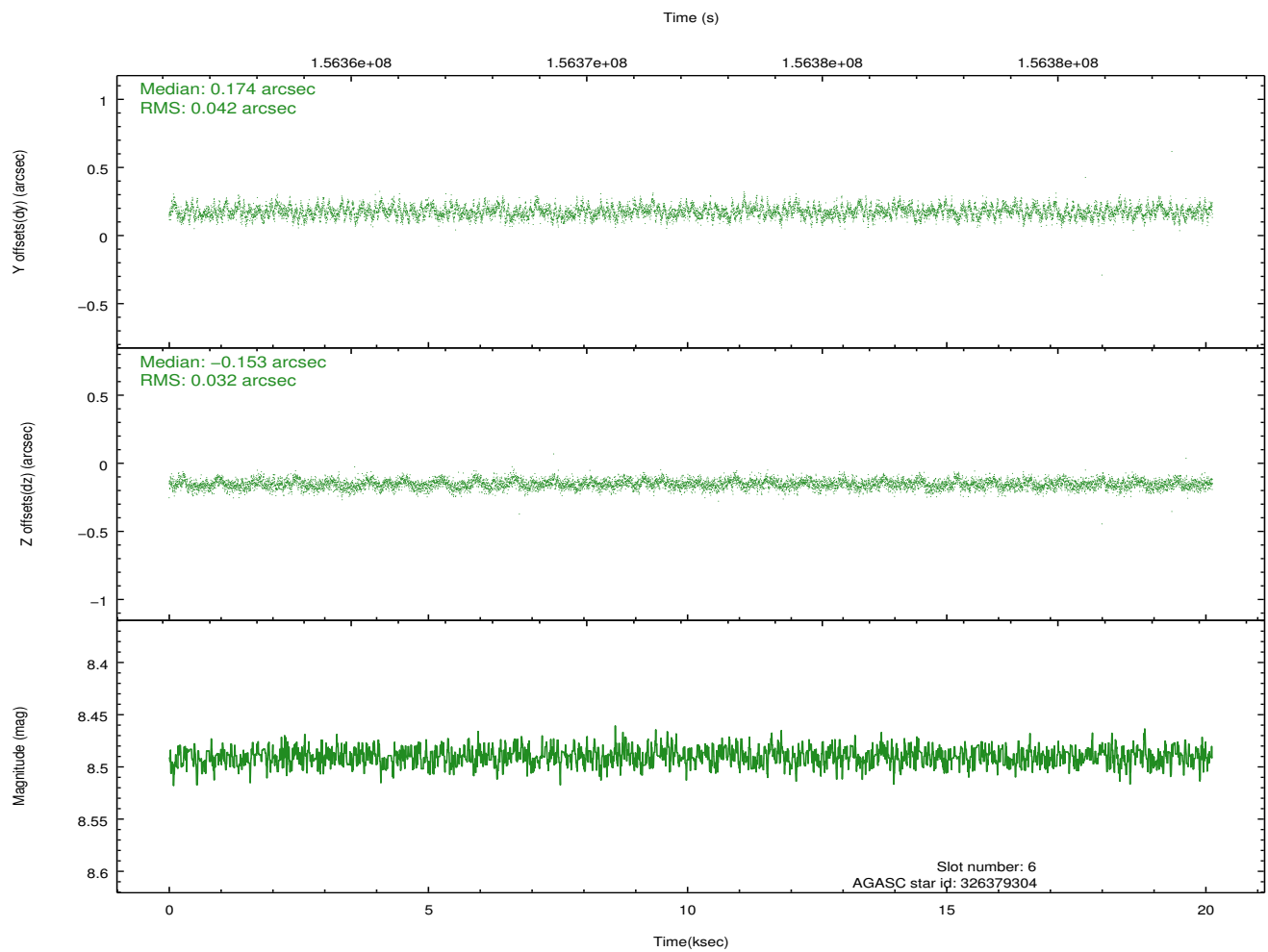
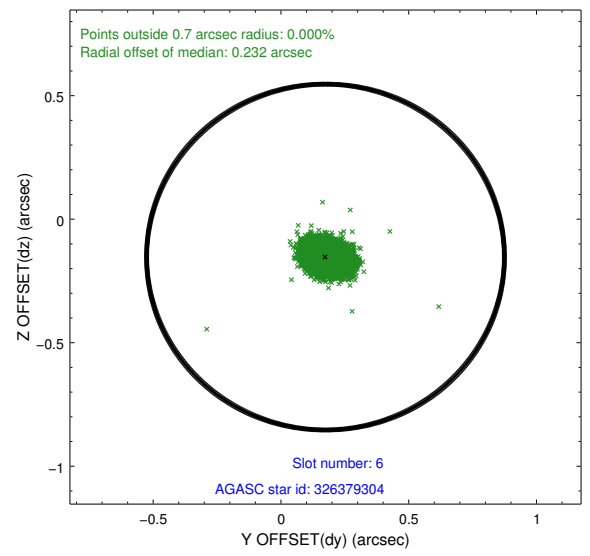
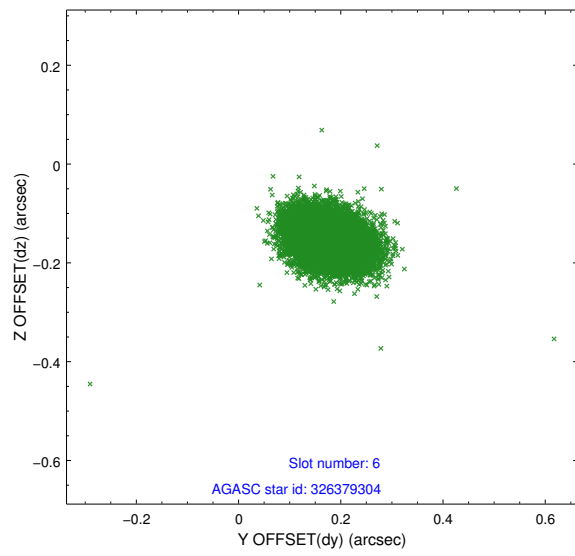
2.4.2 Slot 4



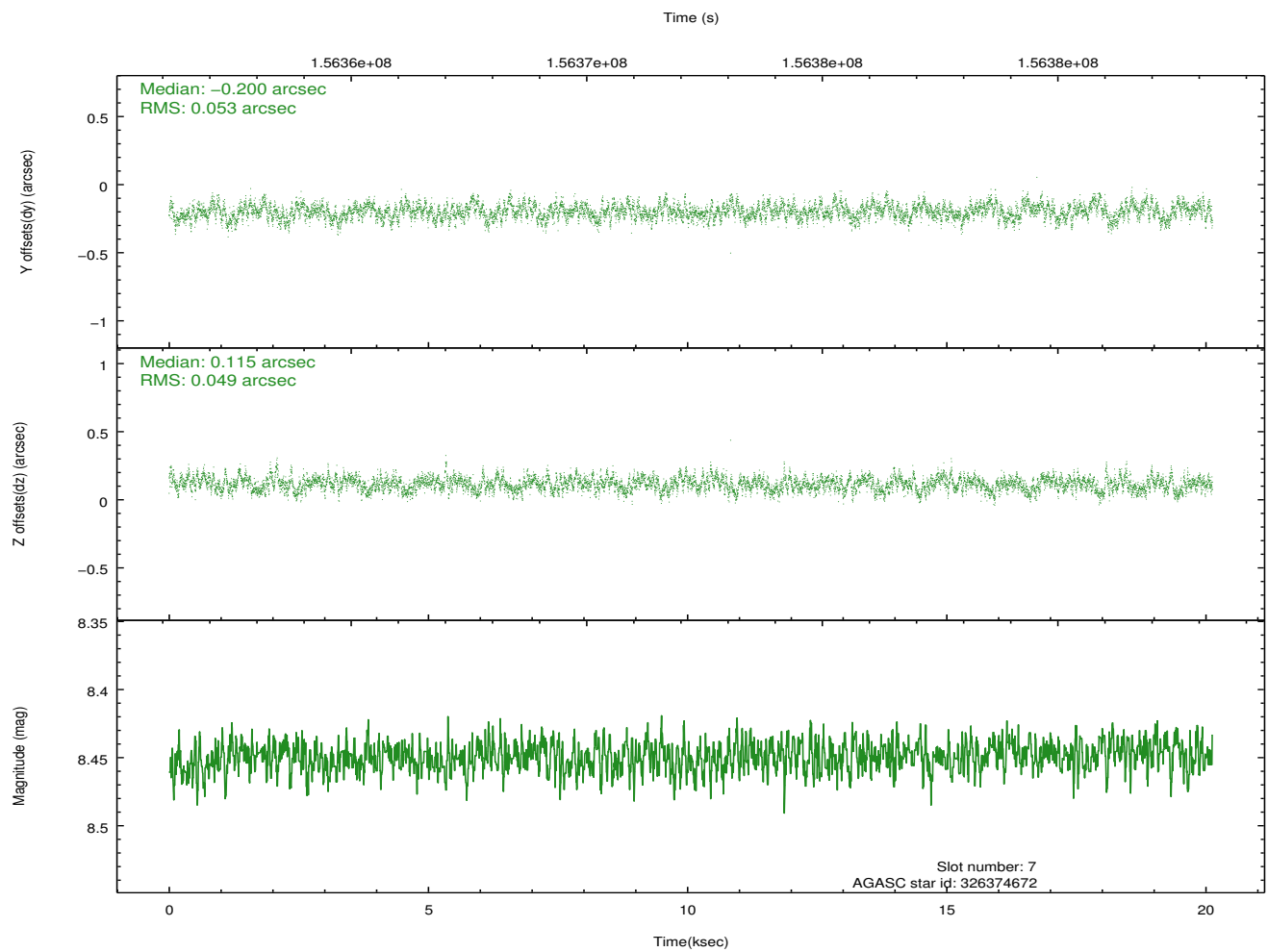
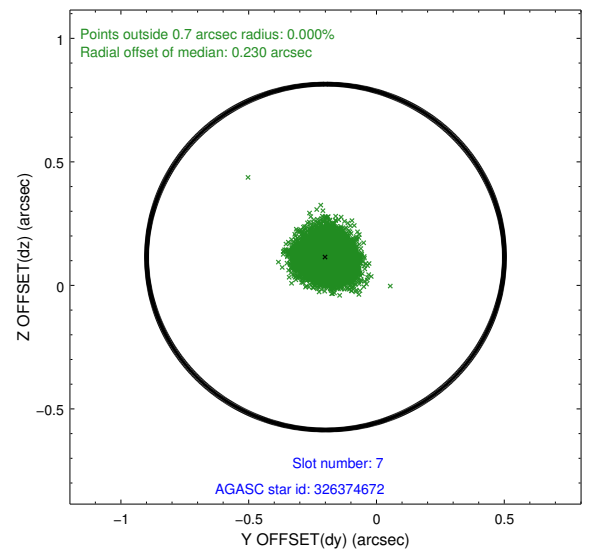
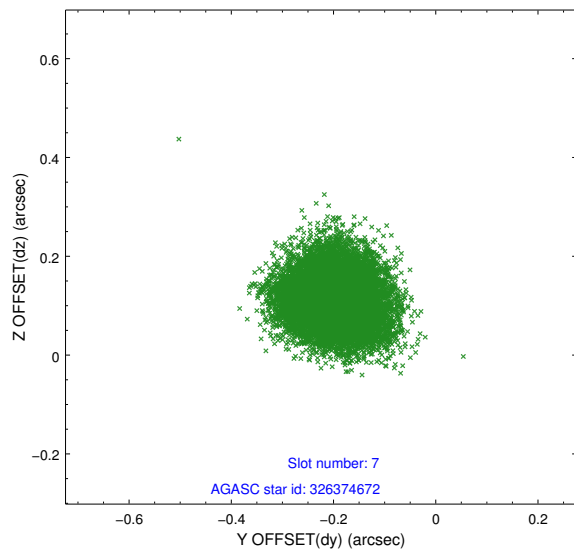
2.4.3 Slot 5



2.4.4 Slot 6

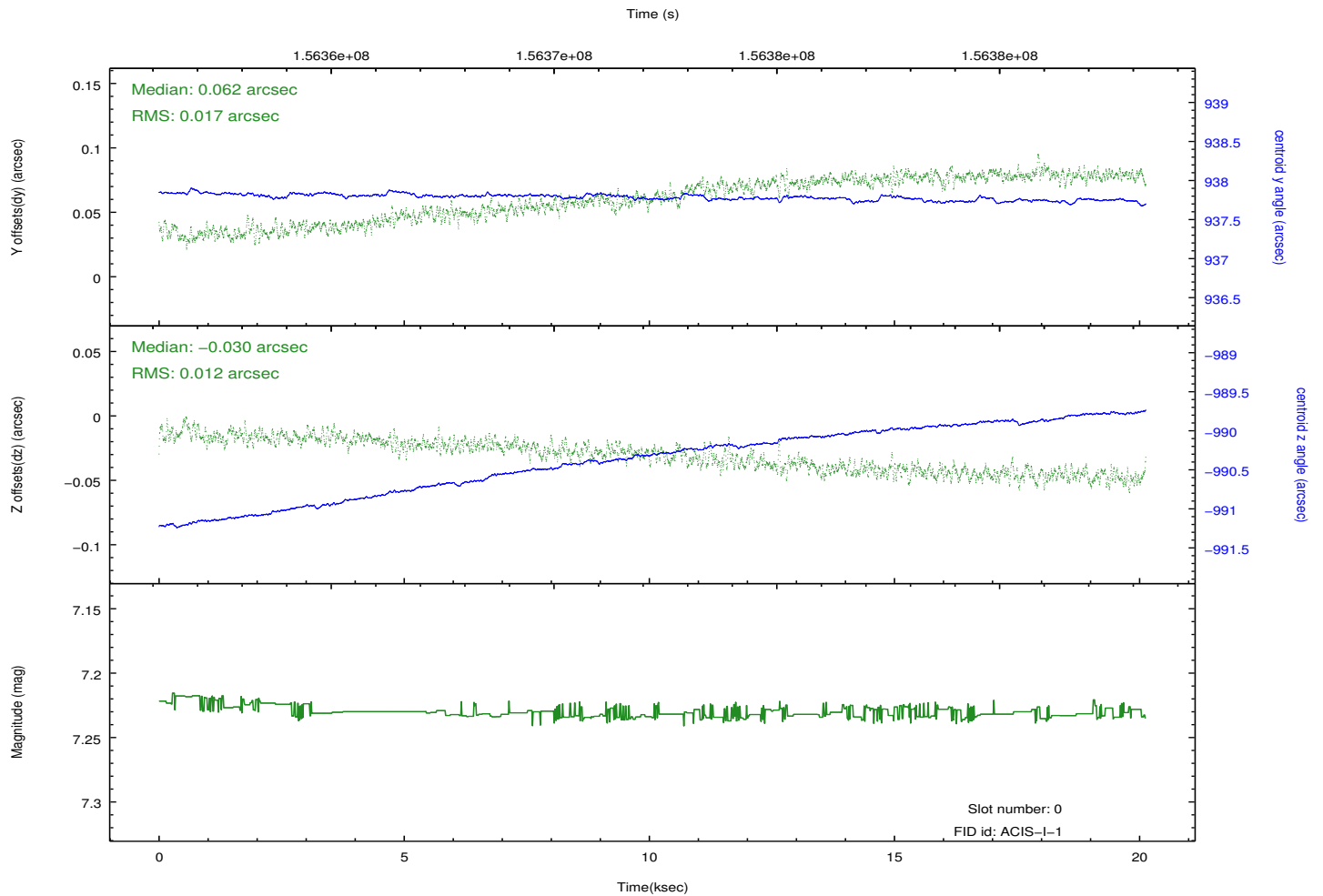
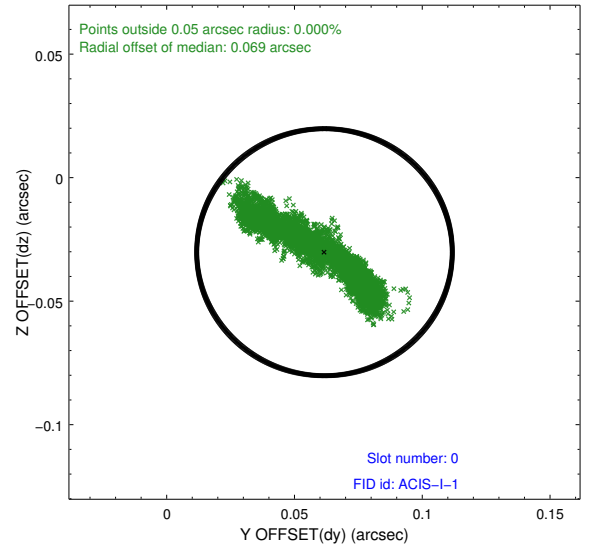
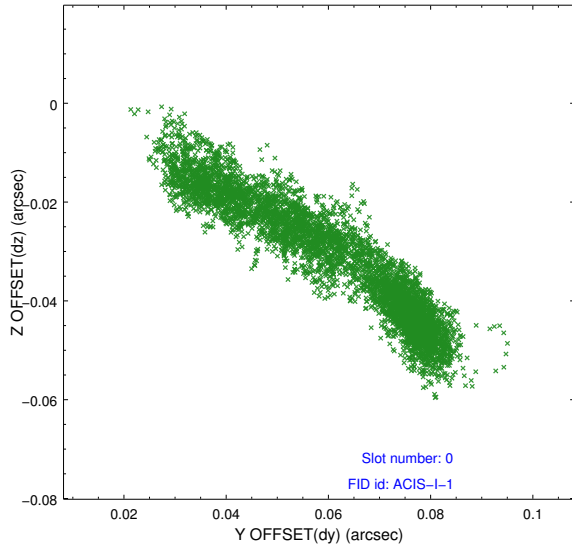


2.4.5 Slot 7

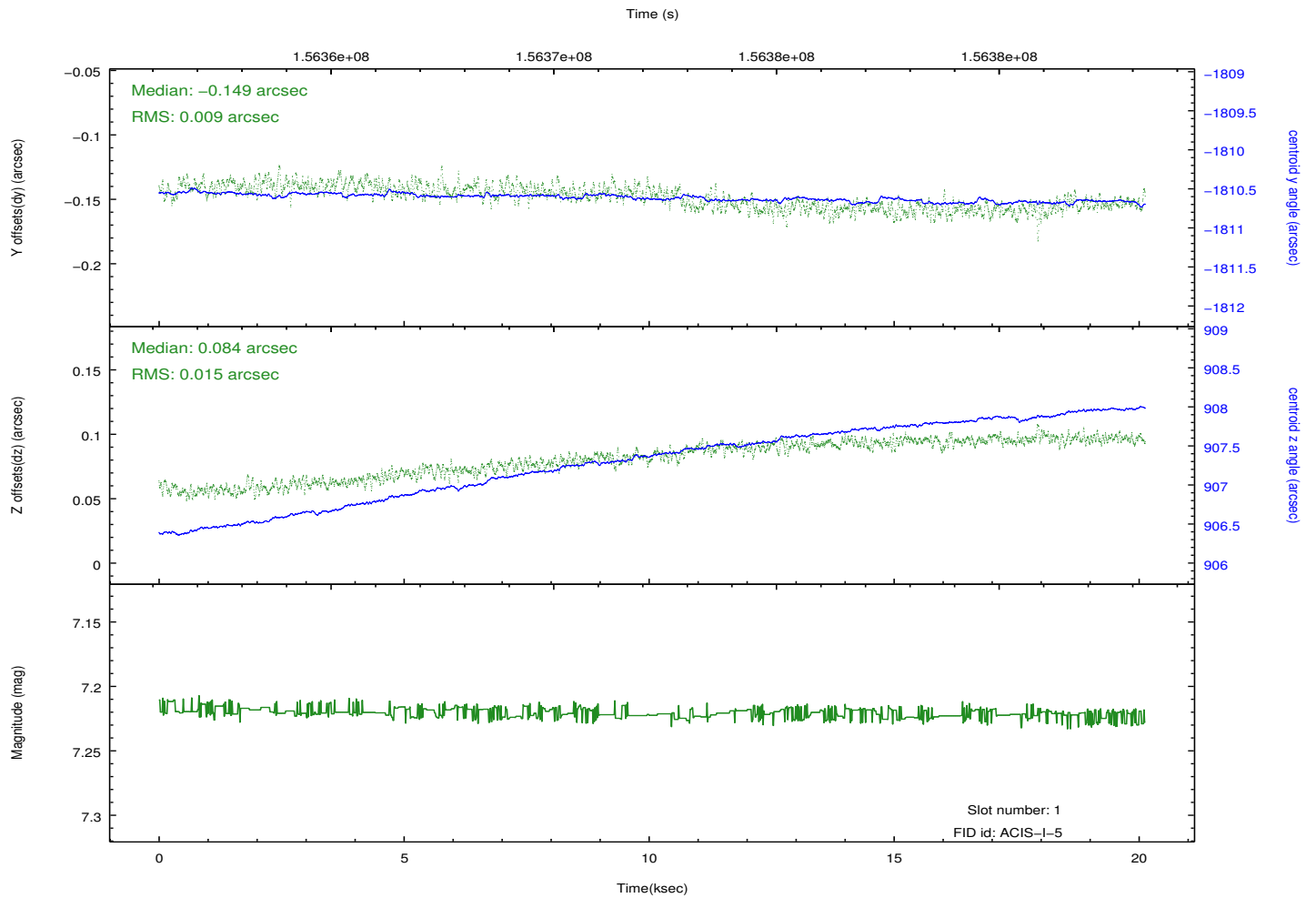
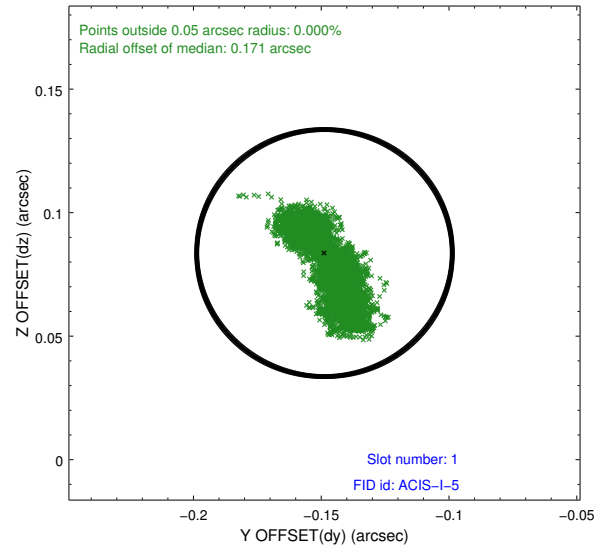
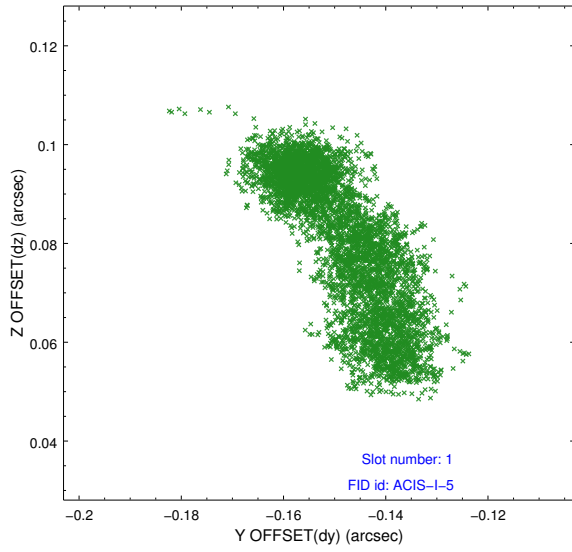


2.5 FID Slots

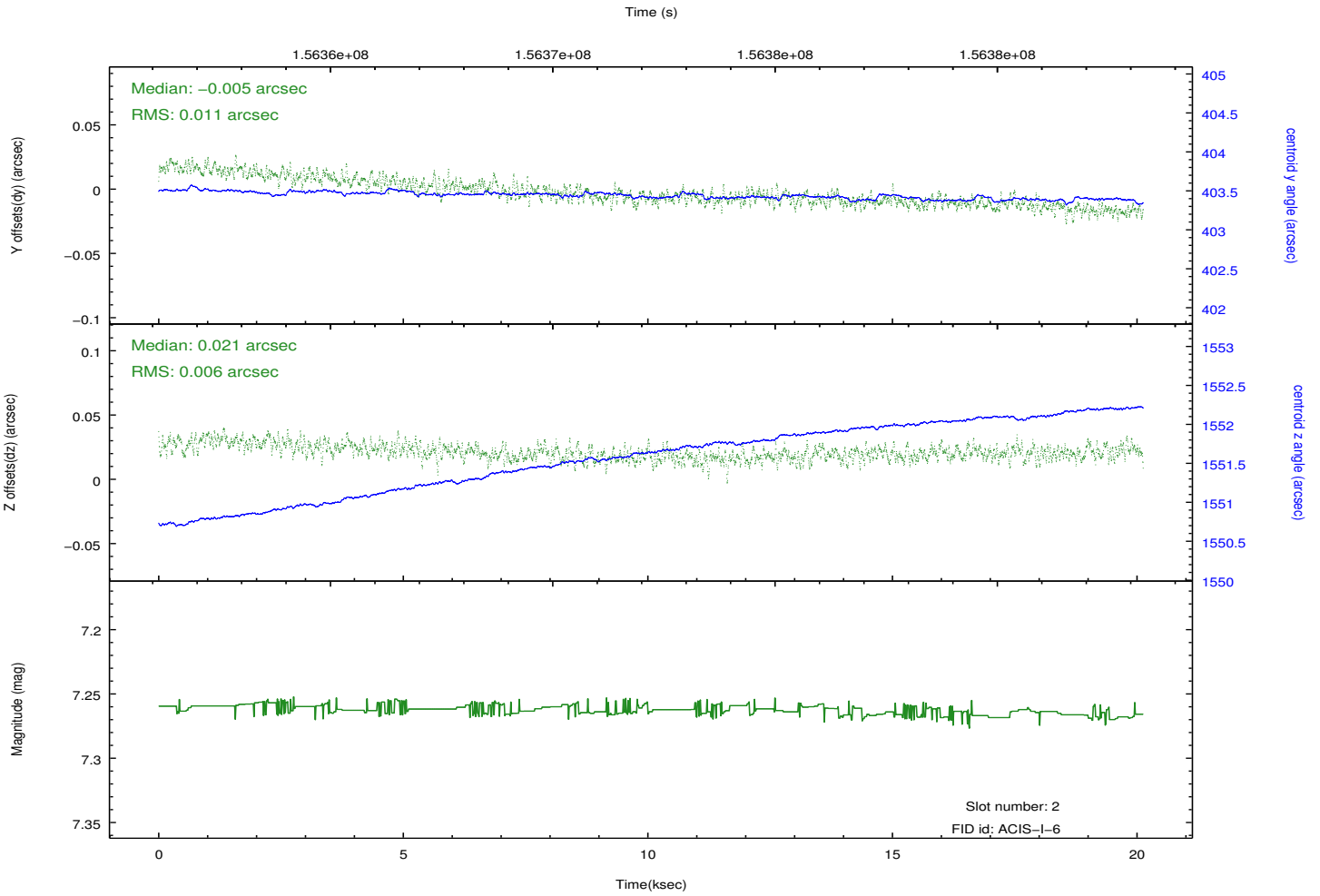
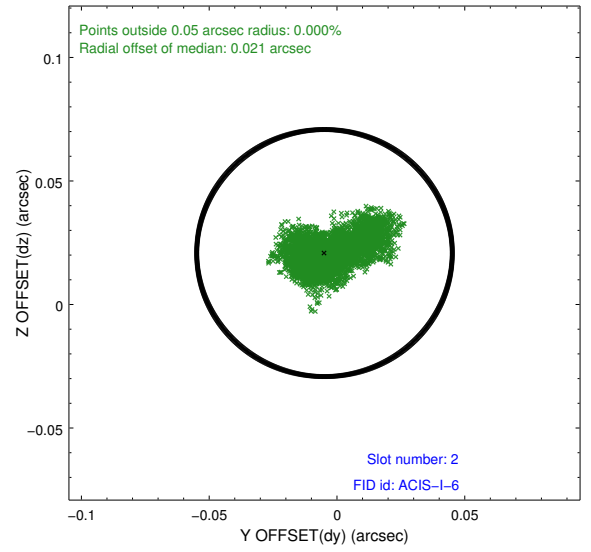
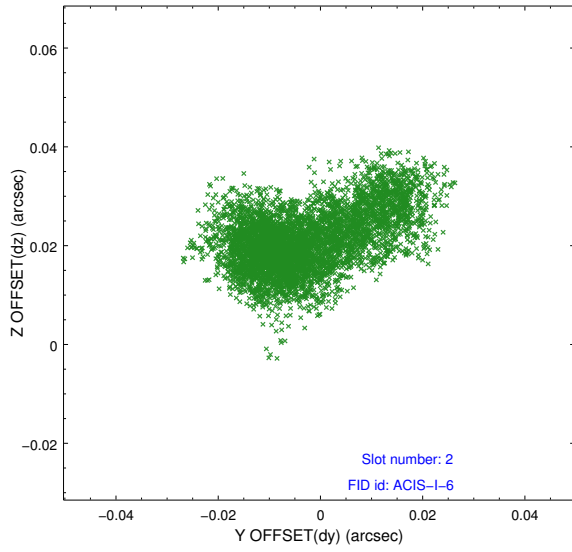
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.775

A.2 Comments