

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2976 - L2 Version 3
Chandra X-Ray Center

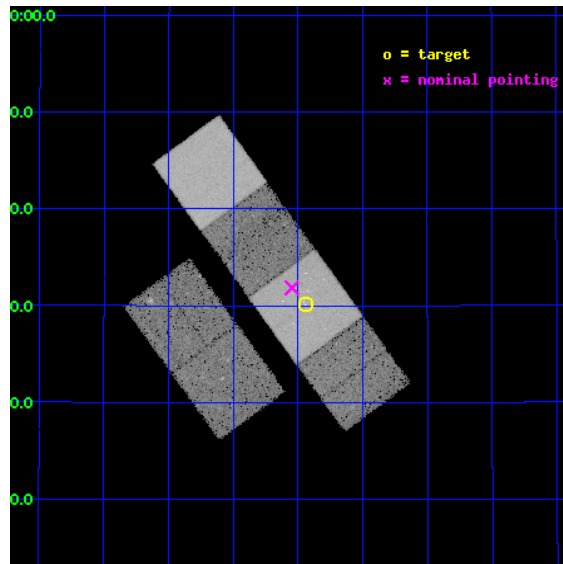
L2 Processing Date : Oct 18 2012

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1 Front

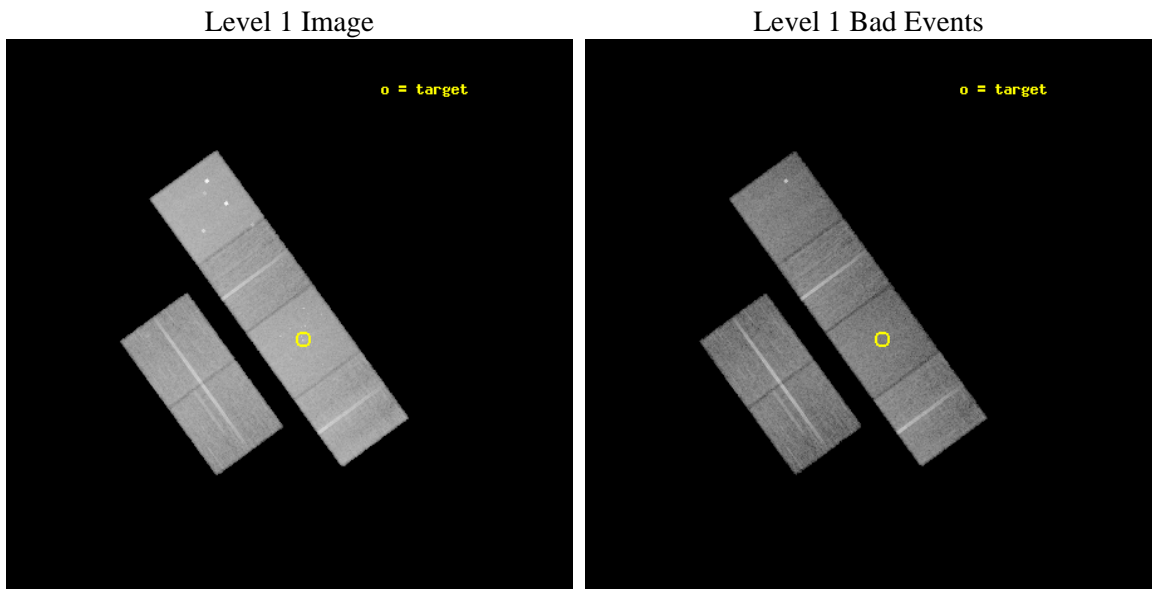
seq_num	700415	Sequence number
obs_id	2976	Observation id
title	FOLLOW-UPS TO THE LLAGN SURVEY	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	NGC 4725 ALTERNATE	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.610833	Observer's specified target RA [deg]
dec_targ	25.501667	Observer's specified target Dec [deg]
ra_nom	192.63672959367	Nominal RA [deg]
dec_nom	25.530811483985	Nominal Dec [deg]
roll_nom	53.98806180436	Nominal Roll [deg]
revision	3	Processing version of data
ontime	24959.669595271	Sum of GTIs [s]
livetime	24643.615229947	Livetime [s]
ontime2	24959.710635275	Sum of GTIs [s]
ontime3	24959.546475261	Sum of GTIs [s]
ontime5	24959.628555268	Sum of GTIs [s]
ontime6	24956.346554995	Sum of GTIs [s]
ontime7	24959.669595271	Sum of GTIs [s]
ontime8	24959.505435288	Sum of GTIs [s]
l2events	253880	Number of level 2 events



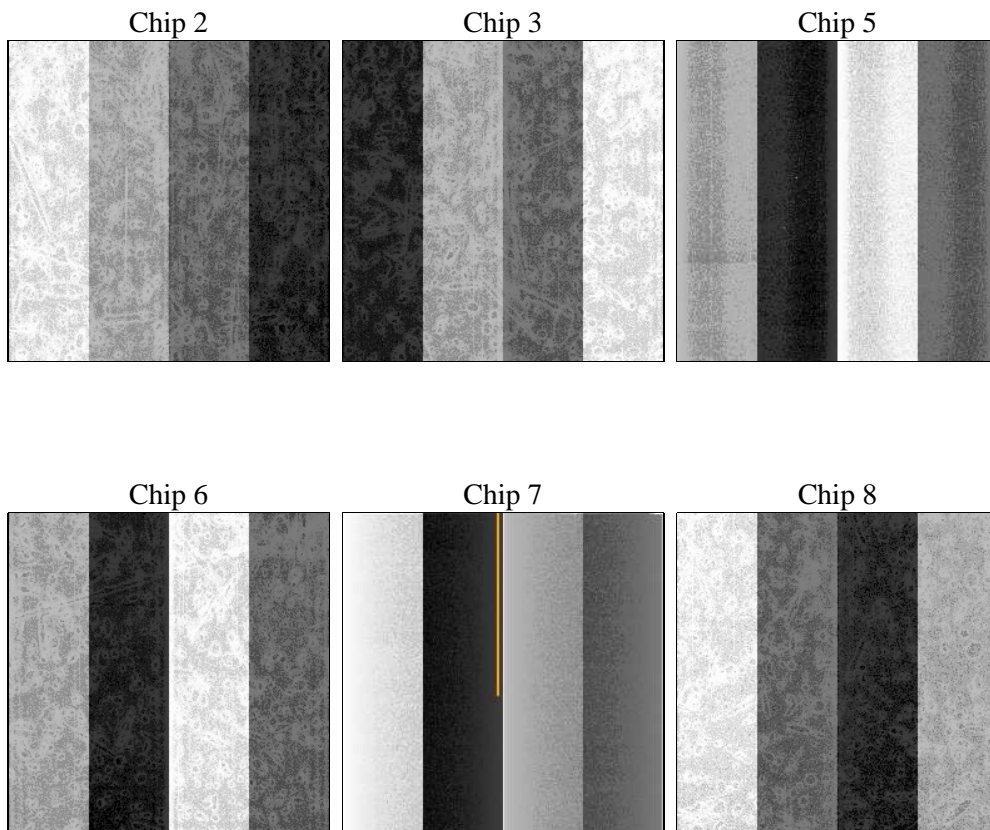
2 OBI

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	8.4.5	Processing system revision	ontime	24959.669595271	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	24959.710635275	Sum of GTIs [s]
date	2012-10-18T11:43:51	Date and time of file creation	ontime3	24959.546475261	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	24959.628555268	Sum of GTIs [s]
			ontime6	24956.346554995	Sum of GTIs [s]
			ontime7	24959.669595271	Sum of GTIs [s]
			ontime8	24959.505435288	Sum of GTIs [s]
			l1events	1130523	Number of level 1 events

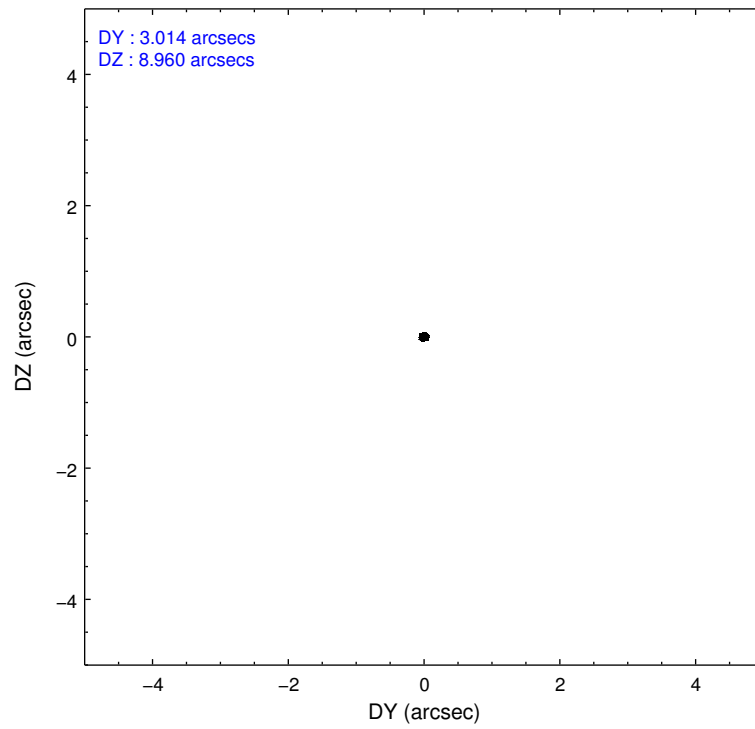
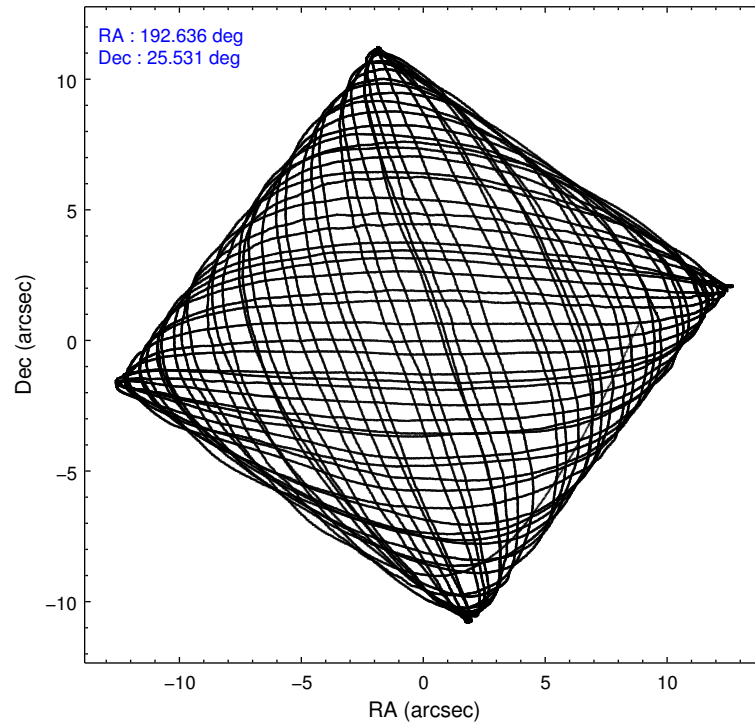
2.1.4 Events

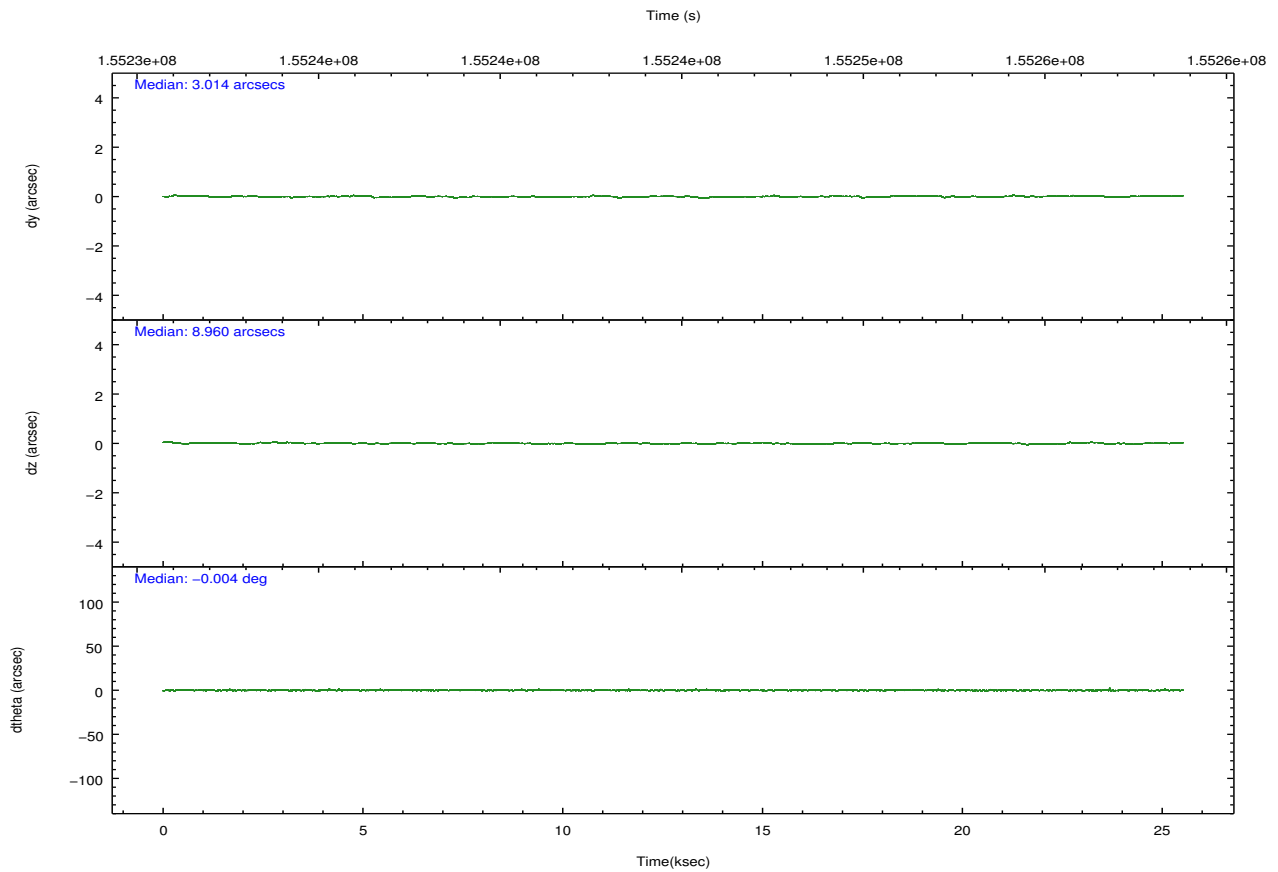
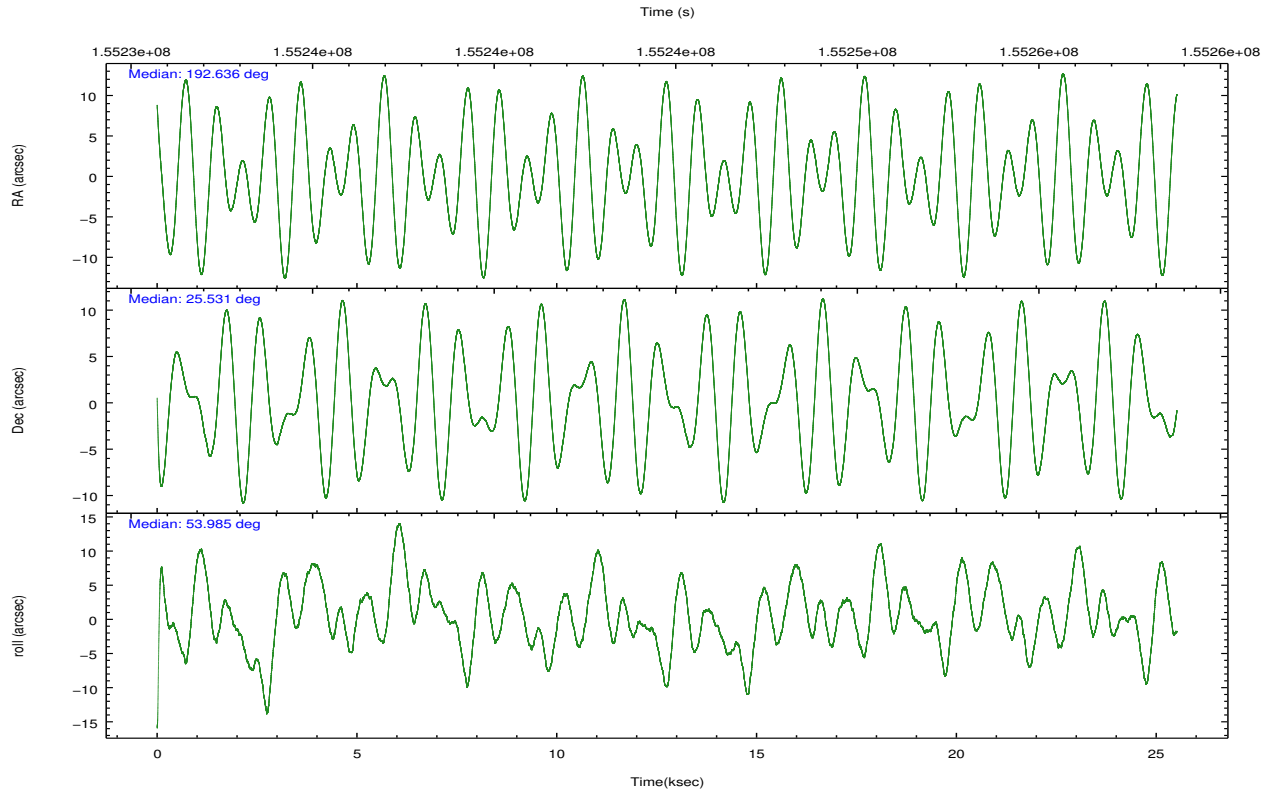
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	161684	153523	238757	164041	213366	199152	grade 0 events	8604	8049	18647	7454	9493	12829
rejected events	142739	135399	125570	145478	123612	158082		5%	5%	7%	4%	4%	6%
rejected %	88%	88%	52%	88%	57%	79%	grade 1 events	88	89	1655	72	221	140
								0%	0%	0%	0%	0%	0%
							grade 2 events	3788	3384	30689	3827	17737	8959
								2%	2%	12%	2%	8%	4%
							grade 3 events	1749	1773	4678	1798	7954	4448
								1%	1%	1%	1%	3%	2%
							grade 4 events	1838	1797	4486	1817	8144	4029
								1%	1%	1%	1%	3%	2%
							grade 5 events	6119	6831	17515	7092	20102	9000
								3%	4%	7%	4%	9%	4%
							grade 6 events	2975	3125	54716	3675	46453	10817
								1%	2%	22%	2%	21%	5%
							grade 7 events	136523	128475	106371	138306	103262	148930
								84%	83%	44%	84%	48%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	192.633997	192.6367295936679	Subarray requested	NONE	NONE
[deg] Pointing Dec	25.503724	25.53081148398525	Alternating exposures requested	N	N
[deg] Pointing Roll	53.832626	53.98806180436018	[s] Primary exposure time	0.000000	3.2
[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)	155232520.184000	155231391.56147			
Observation start date	2002-12-02T16:07:36	2002-12-02T15:49:51			
[s] Observation end time (MET)	155257520.184000	155257985.70008			
Observation end date	2002-12-02T23:04:16	2002-12-02T23:13:05			
Read mode	TIMED	TIMED			

2.3 Aspect



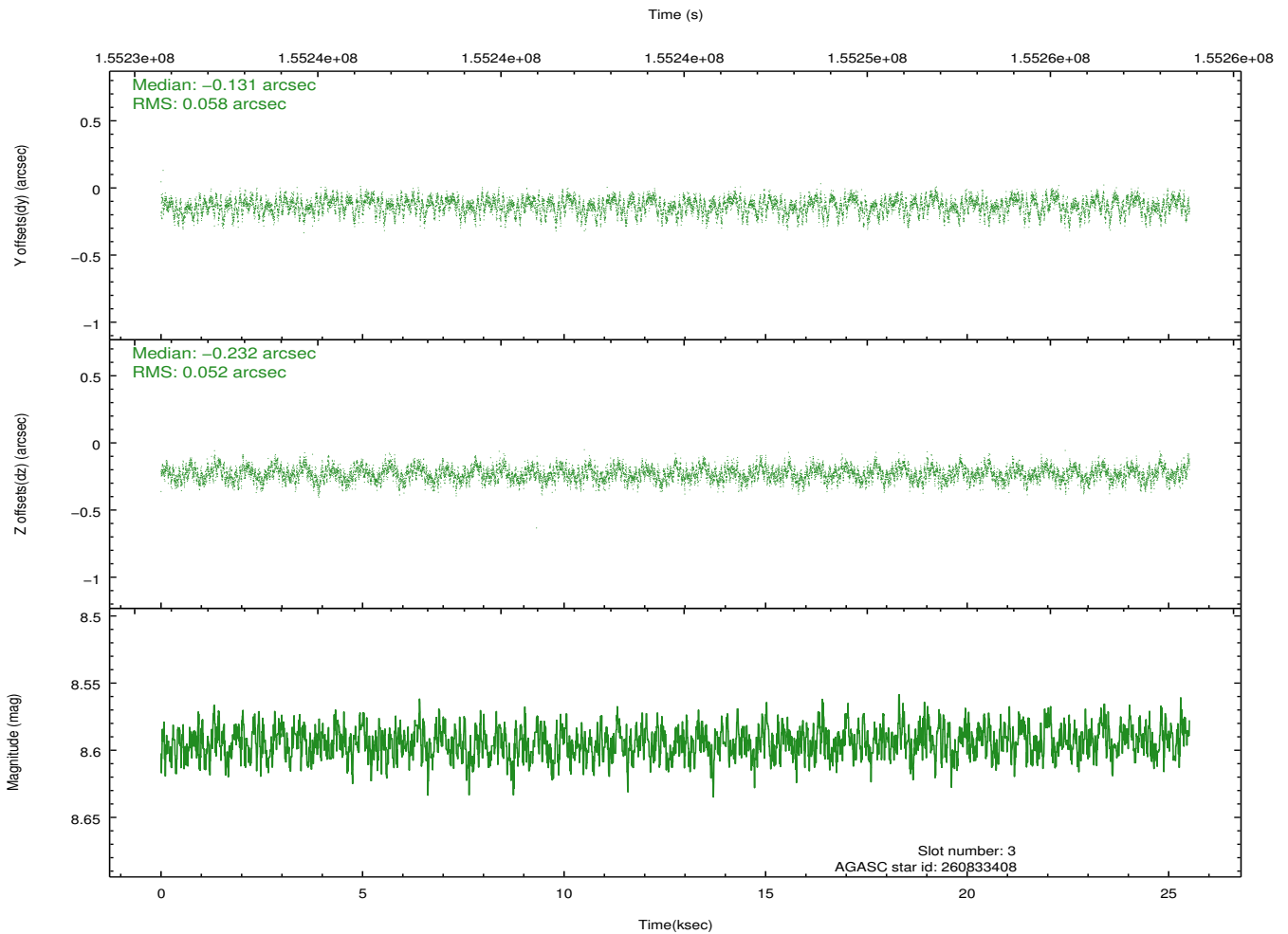
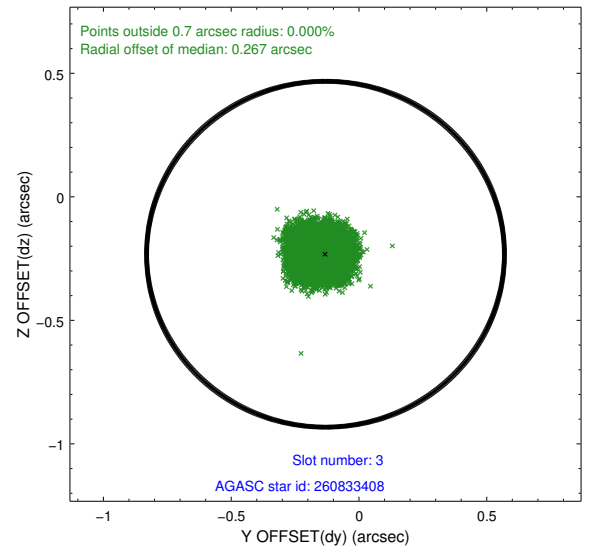
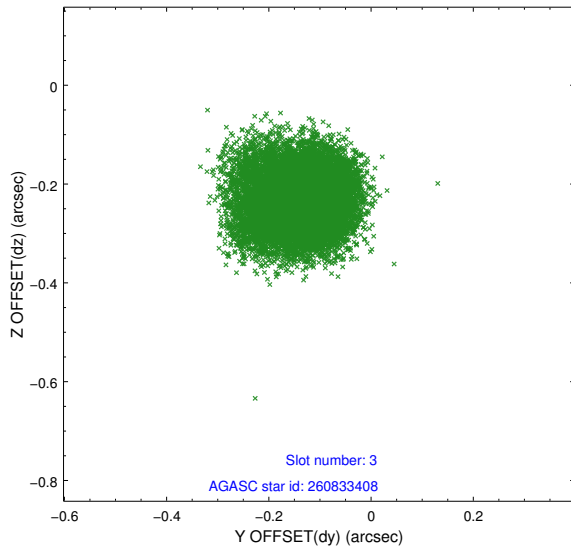


Slot Statistics

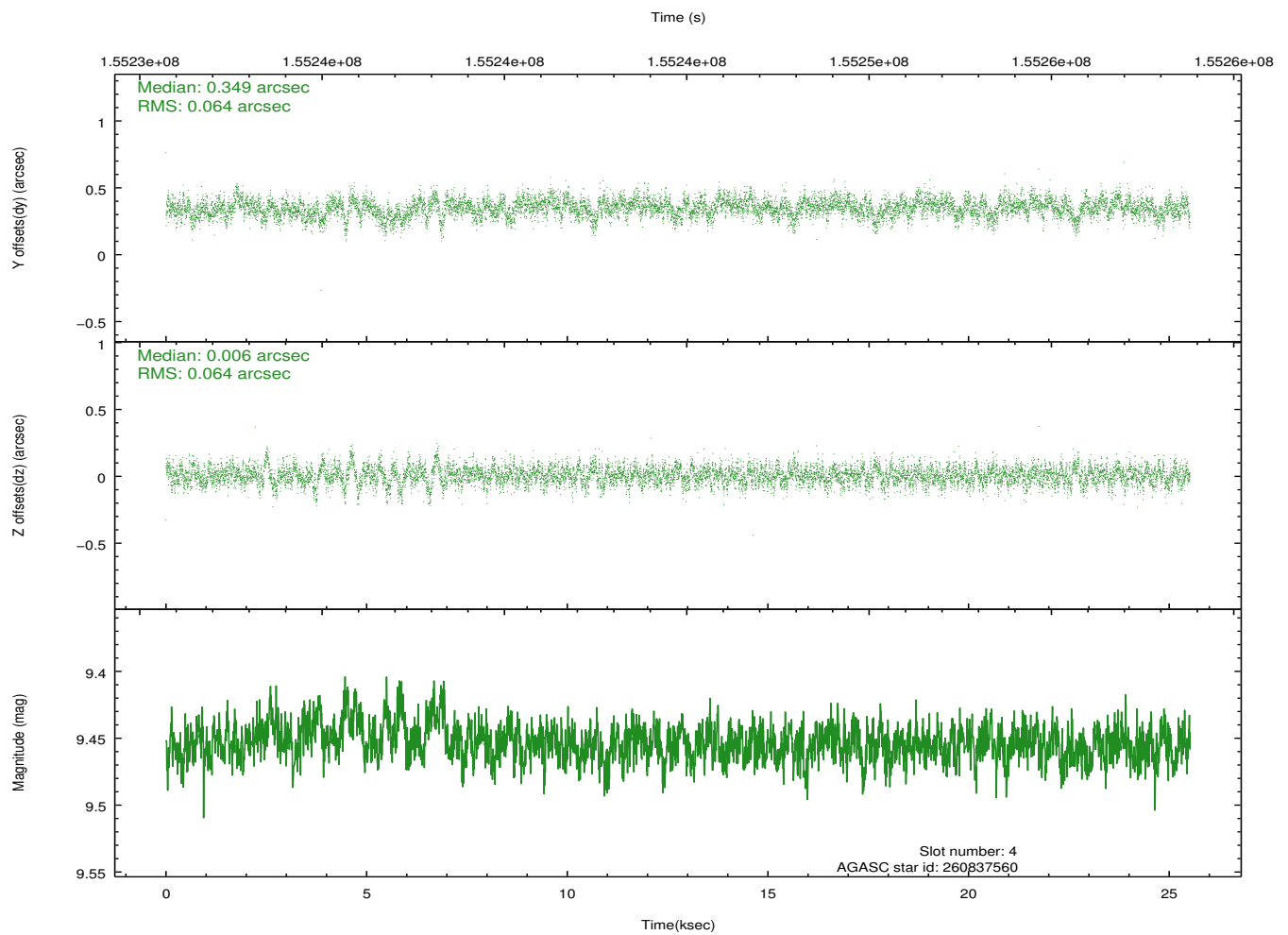
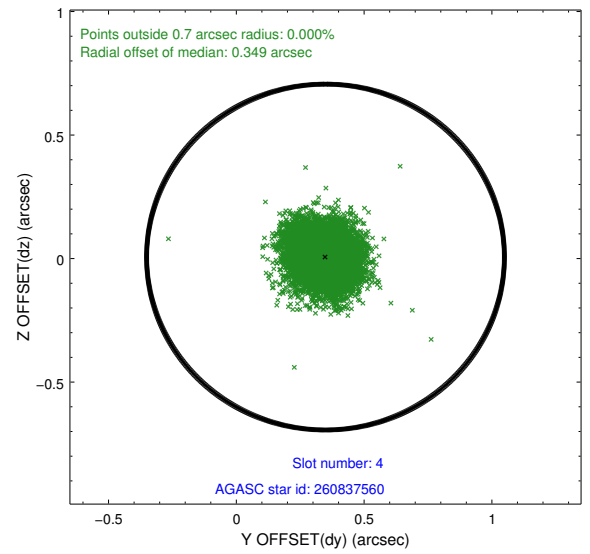
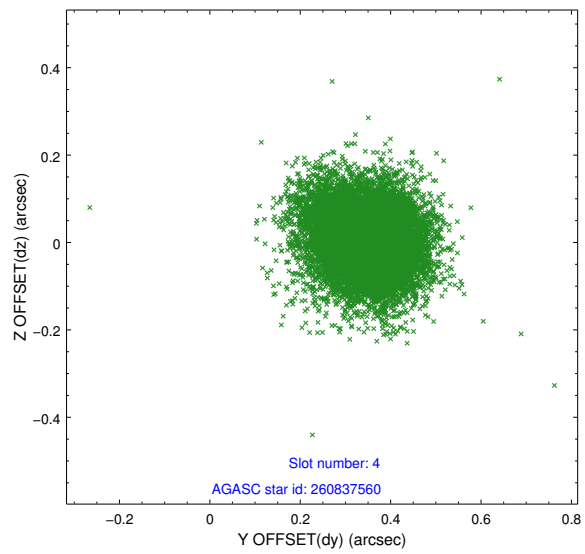
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	6223	-0.026	-0.010	0.007	0.011	0.000000	0.000000	-755.68	-1730.19
1	FID	ACIS-S-4	7.20	6224	0.008	0.015	0.006	0.010	0.000000	0.000000	2157.58	178.21
2	FID	ACIS-S-5	7.24	6224	-0.013	0.004	0.007	0.011	0.000000	0.000000	-1808.37	171.99
3	GUIDE	260833408	8.59	12445	-0.131	-0.232	0.083	0.134	192.386444	26.221912	1616.47	2171.02
4	GUIDE	260837560	9.45	12418	0.349	0.006	0.095	0.161	192.074485	25.135976	-2140.78	692.76
5	GUIDE	261229144	8.99	12440	0.033	0.128	0.072	0.117	193.048396	25.373494	419.29	-1363.89
6	GUIDE	261233568	9.89	12149	-0.132	0.001	0.123	0.204	192.638833	26.205858	2050.06	1478.42
7	GUIDE	261233896	9.91	12438	-0.114	0.101	0.144	0.235	192.960418	25.639539	1021.77	-566.17

2.4 Star Slots

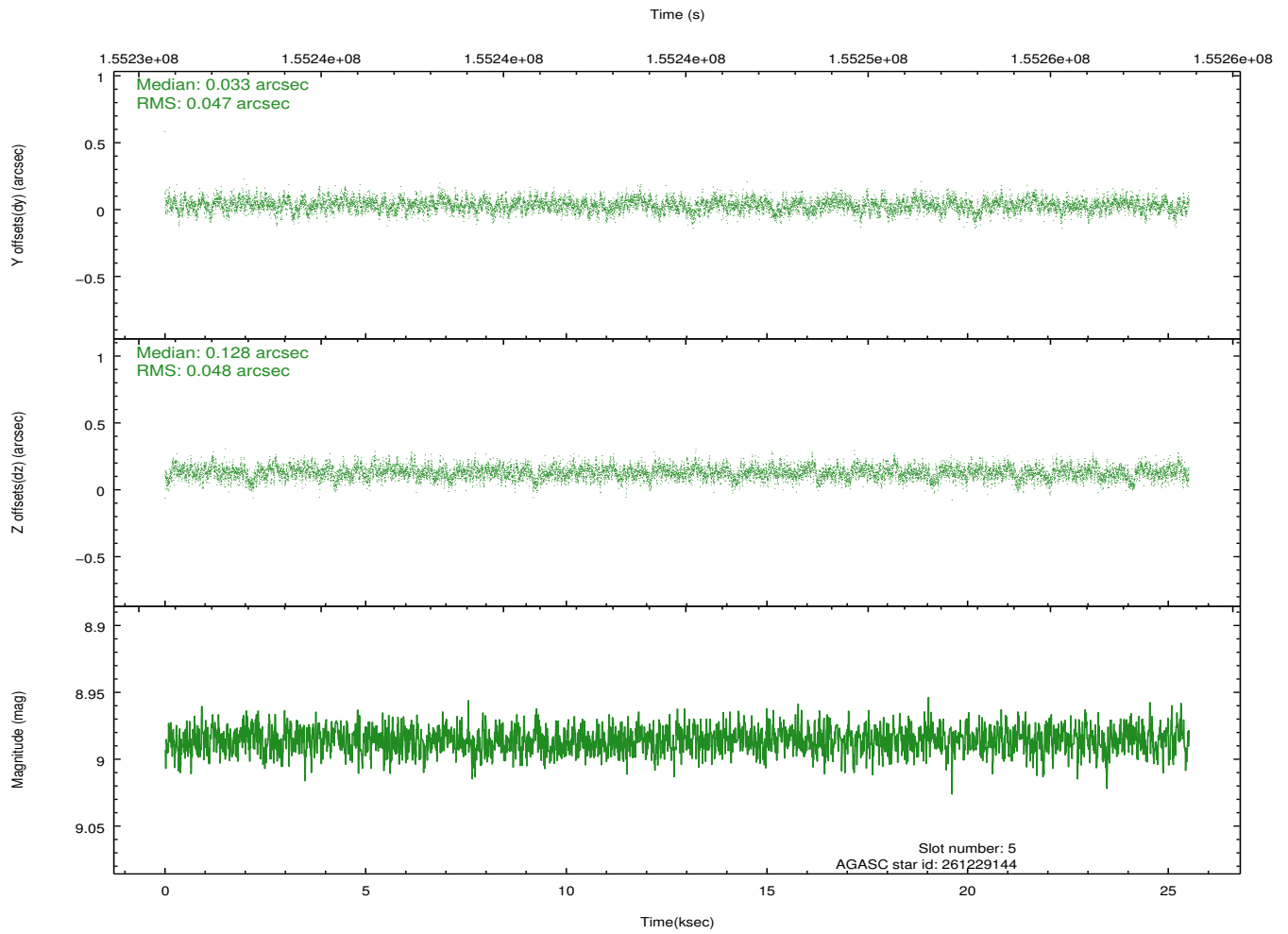
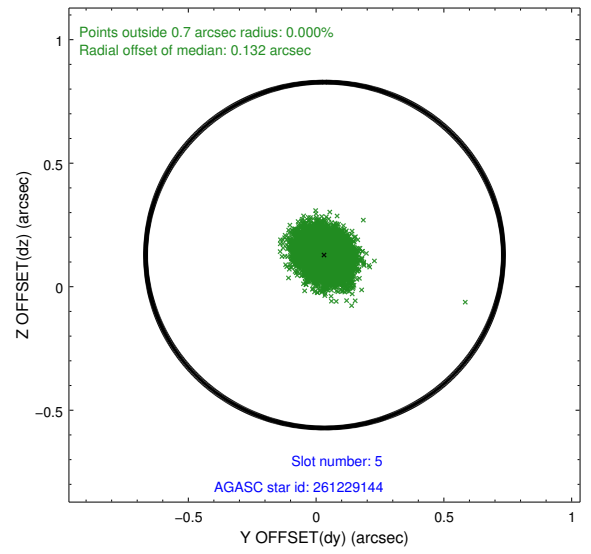
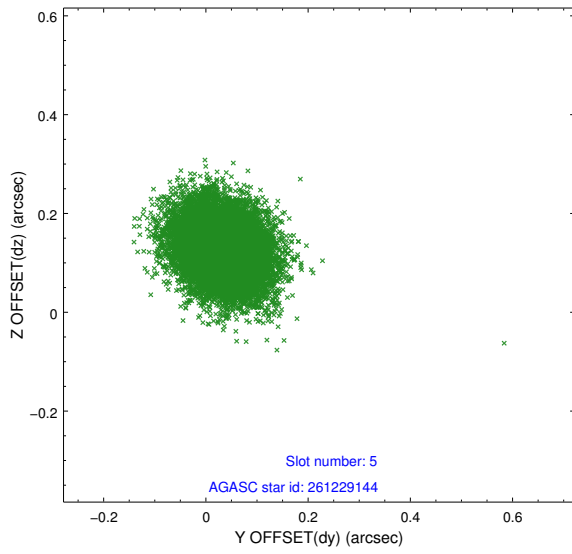
2.4.1 Slot 3



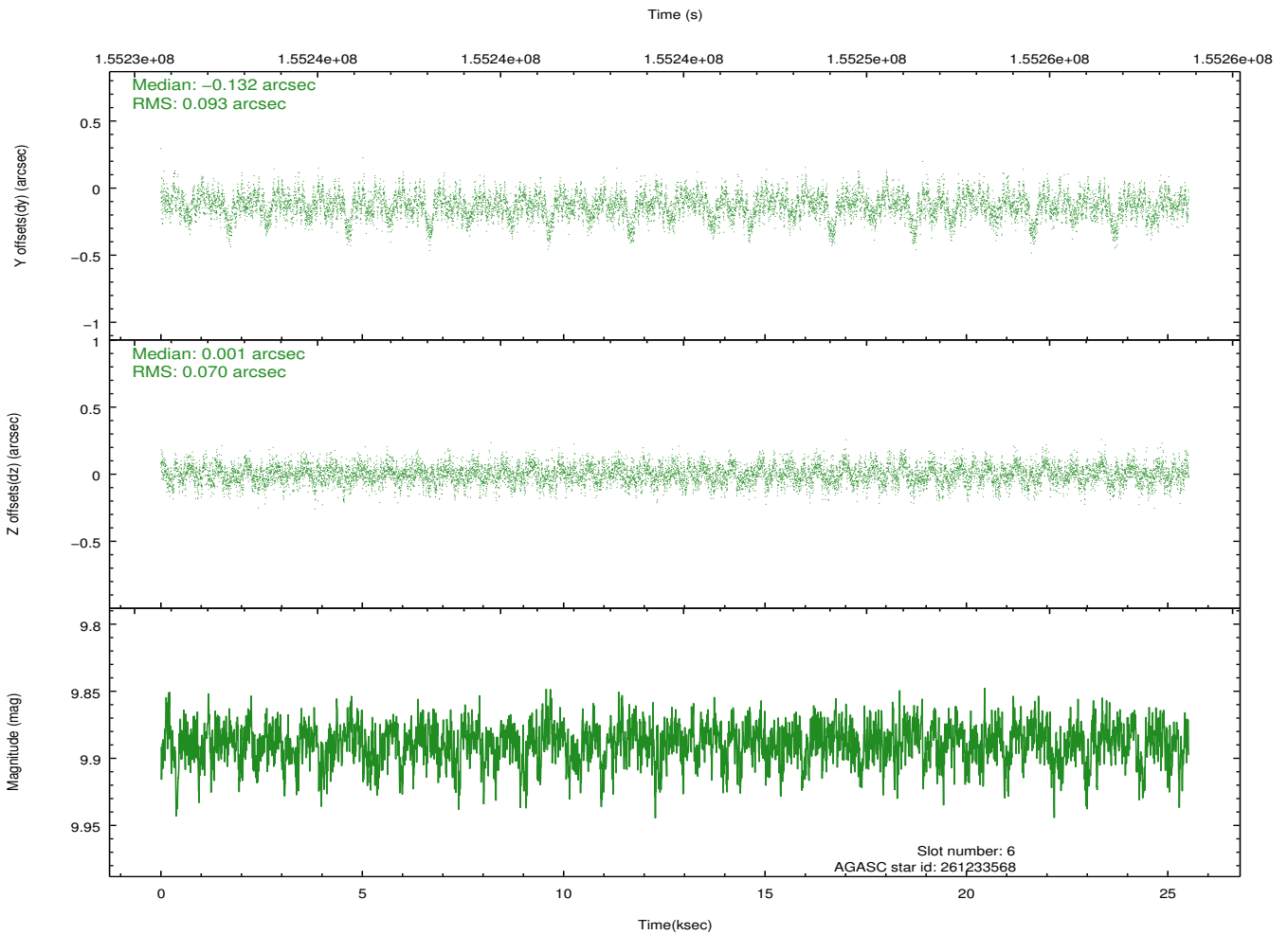
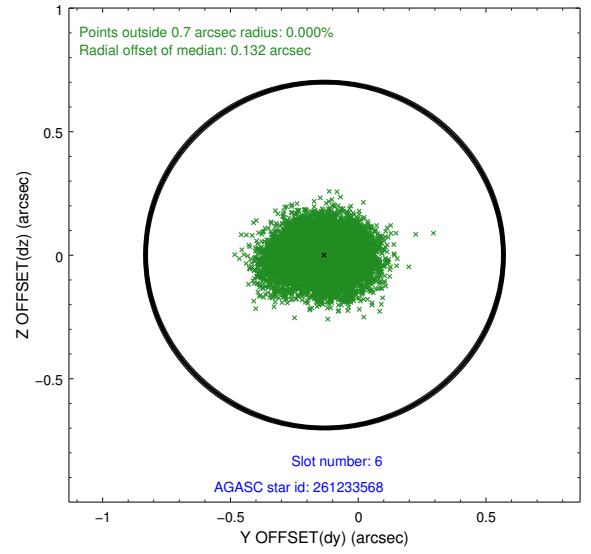
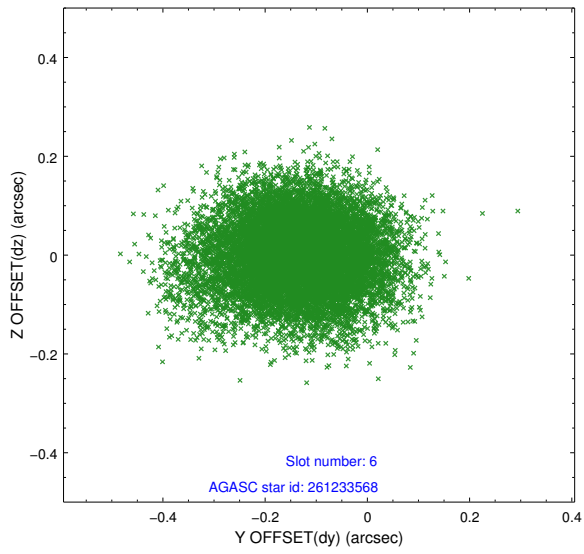
2.4.2 Slot 4



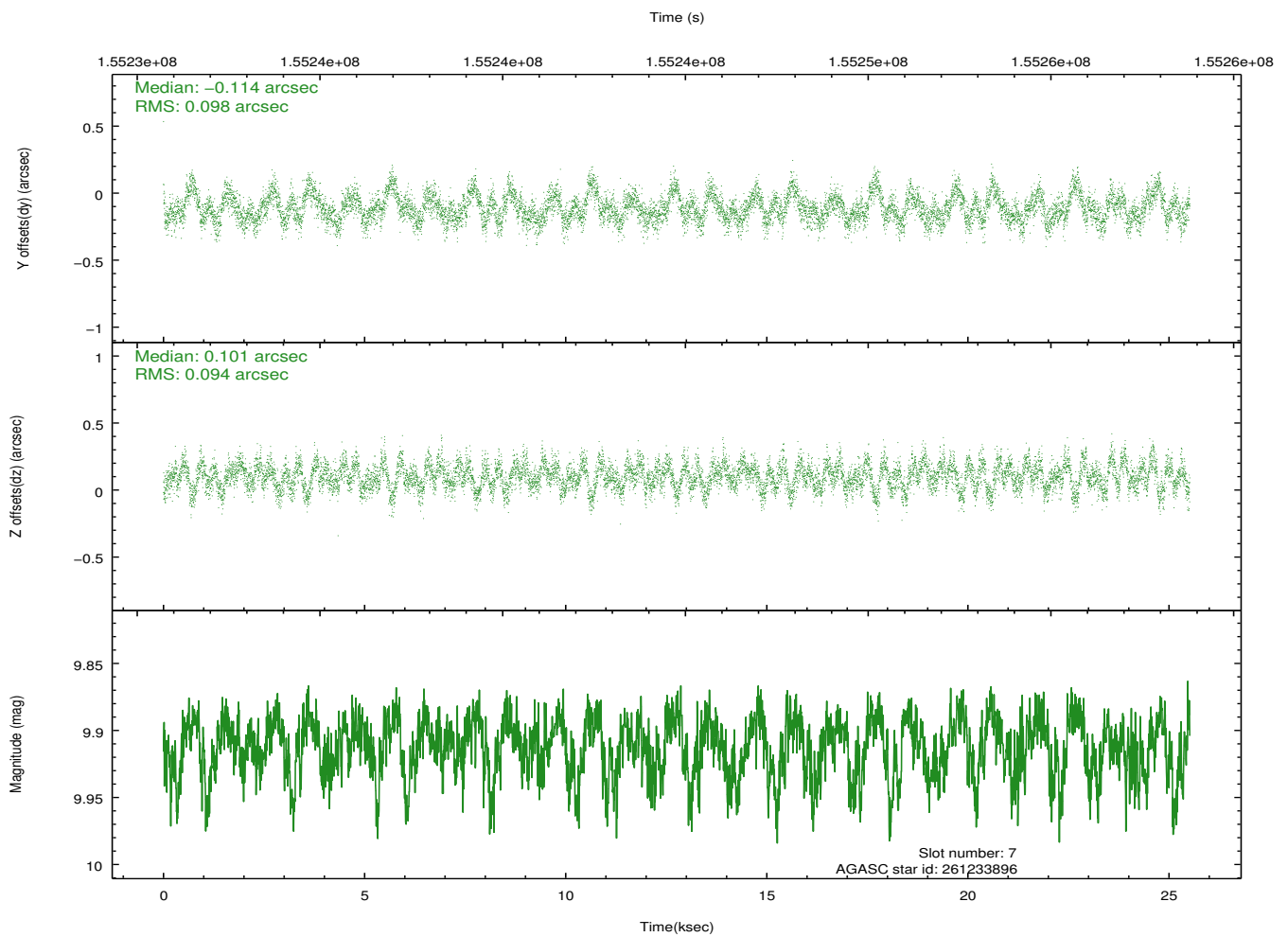
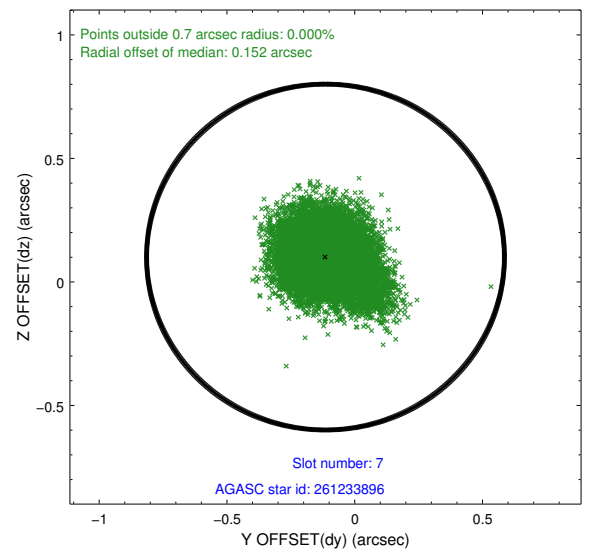
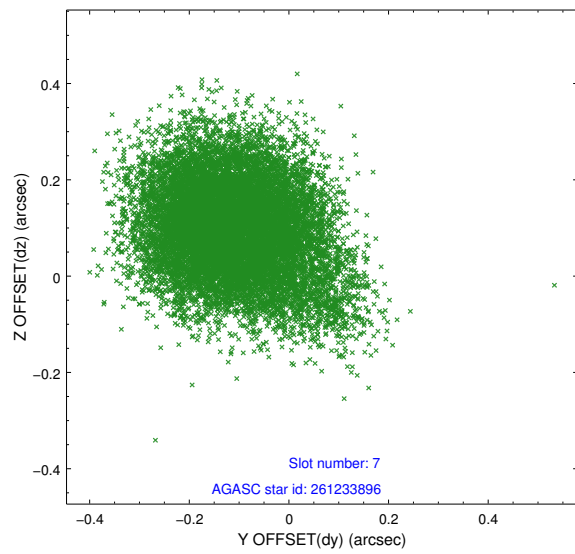
2.4.3 Slot 5



2.4.4 Slot 6

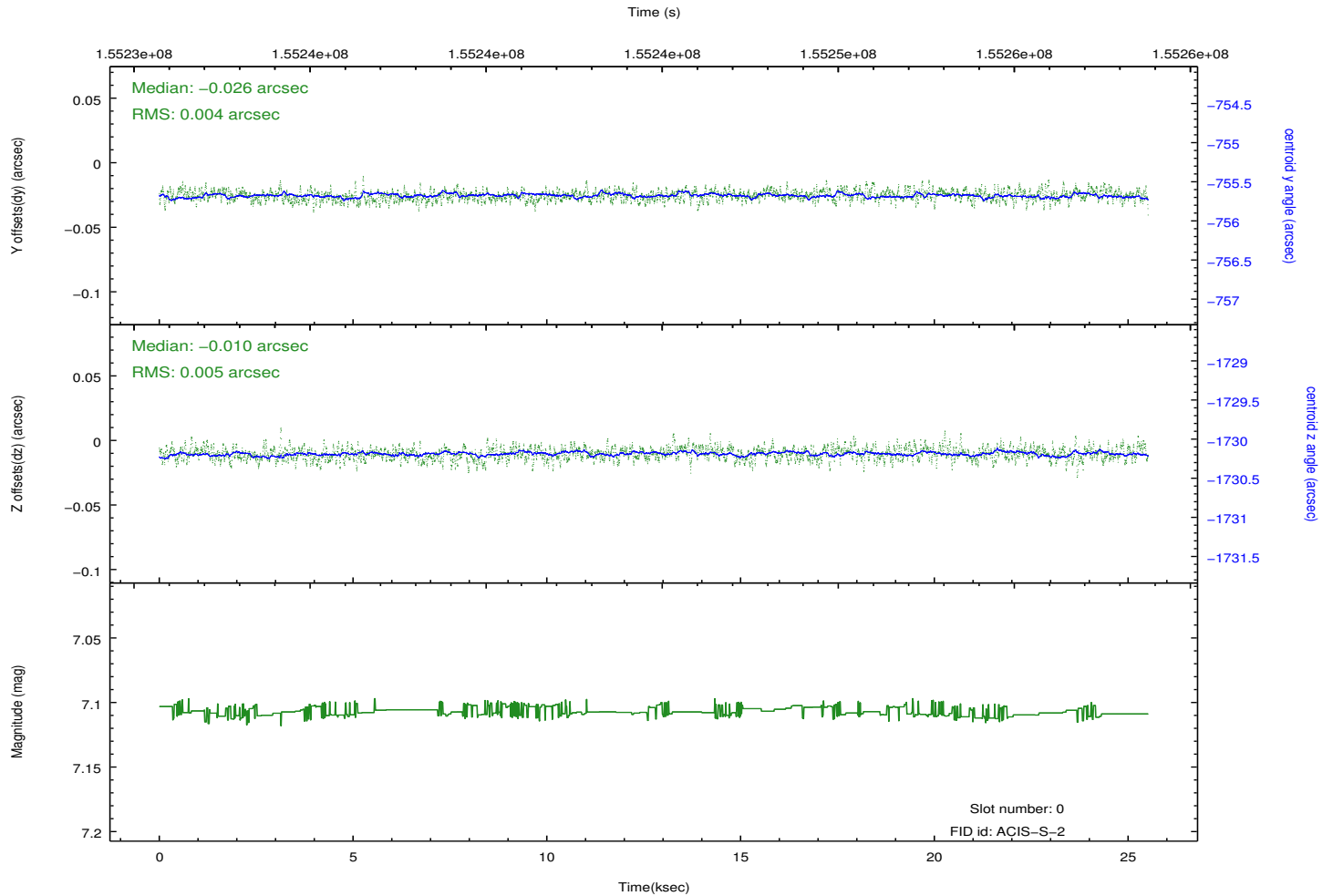
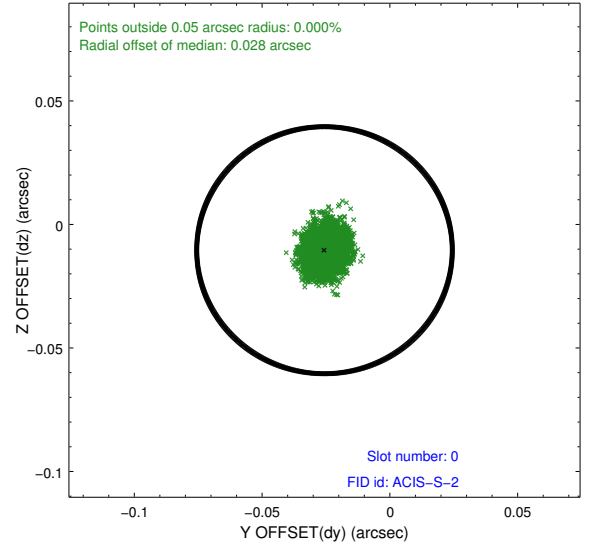
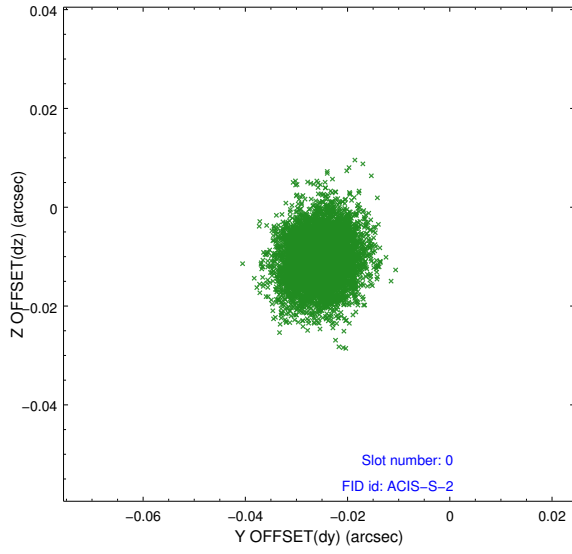


2.4.5 Slot 7

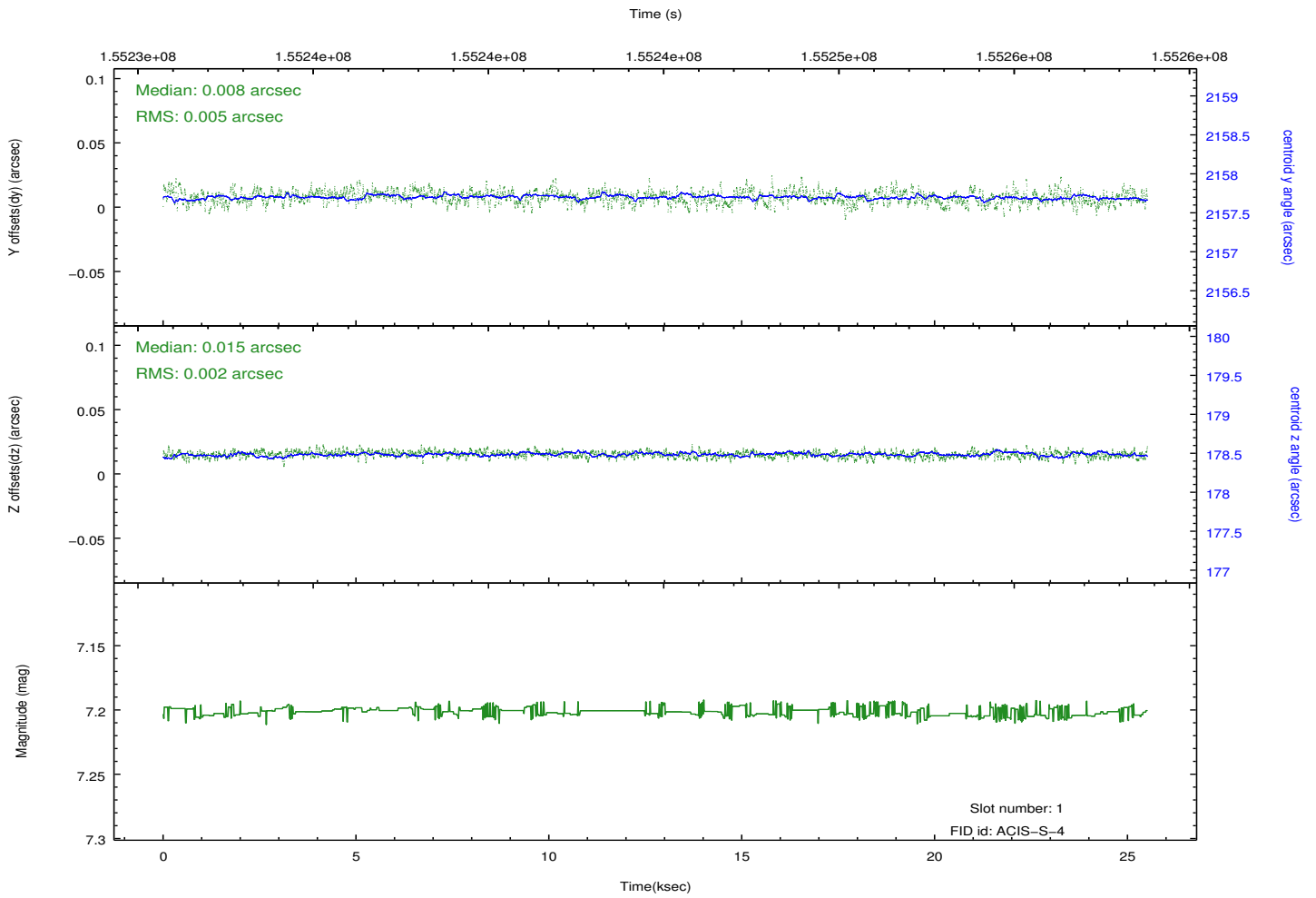
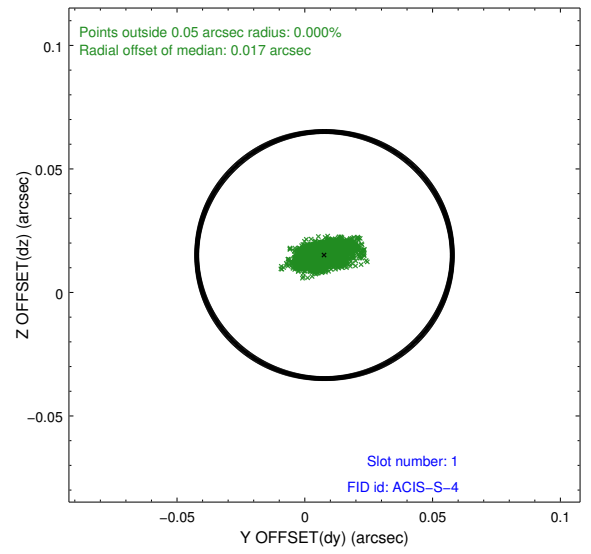
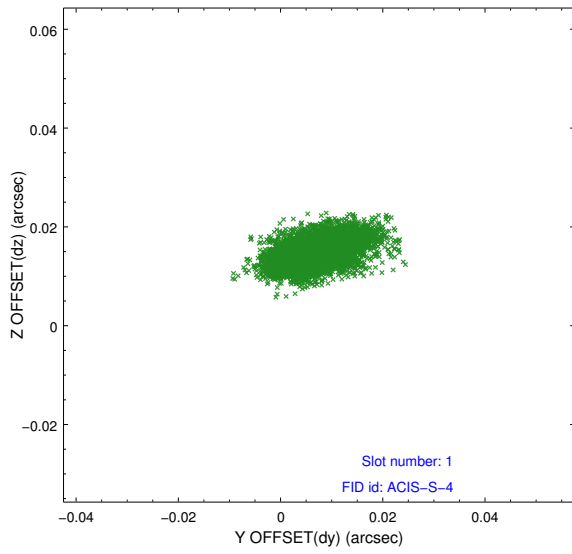


2.5 FID Slots

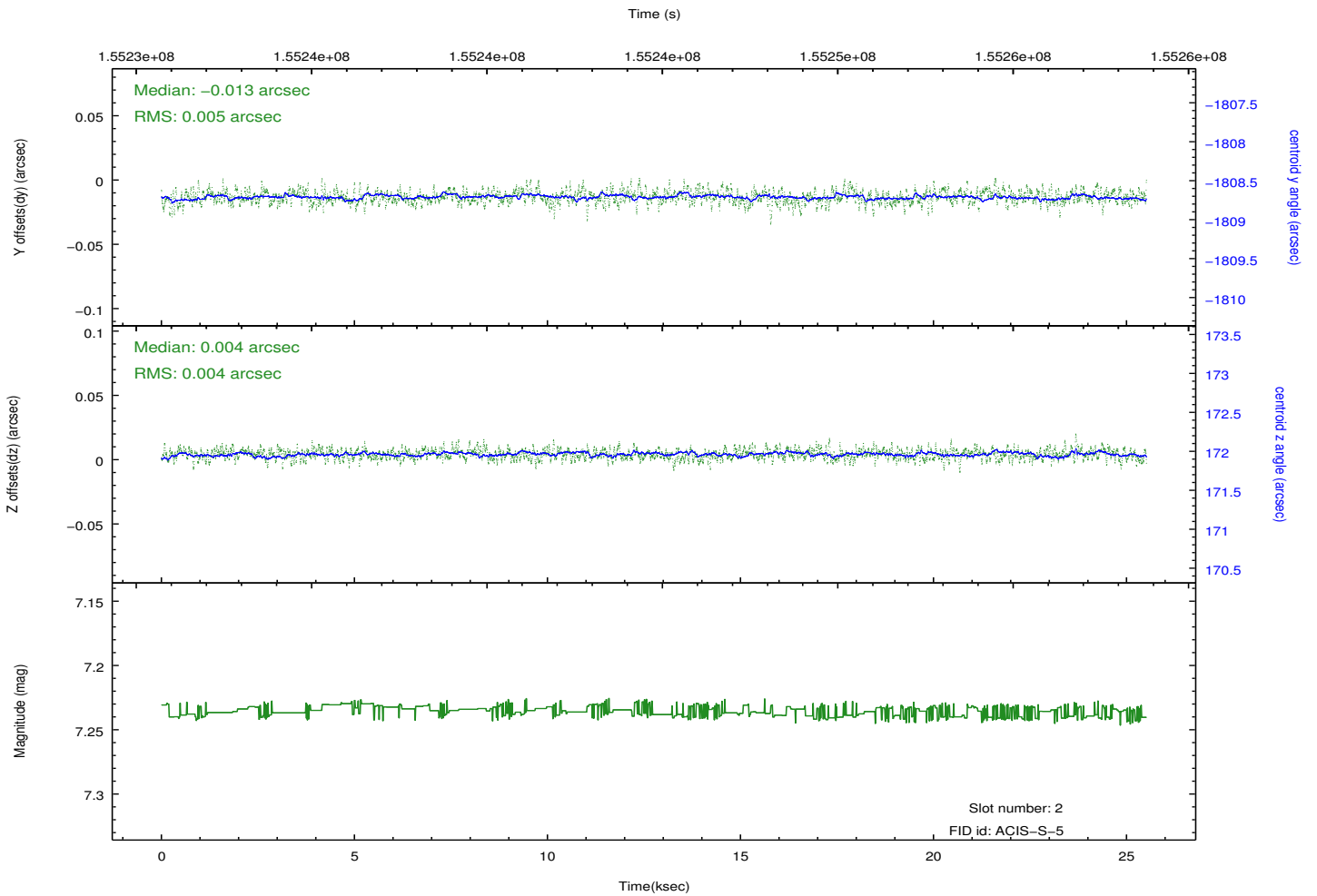
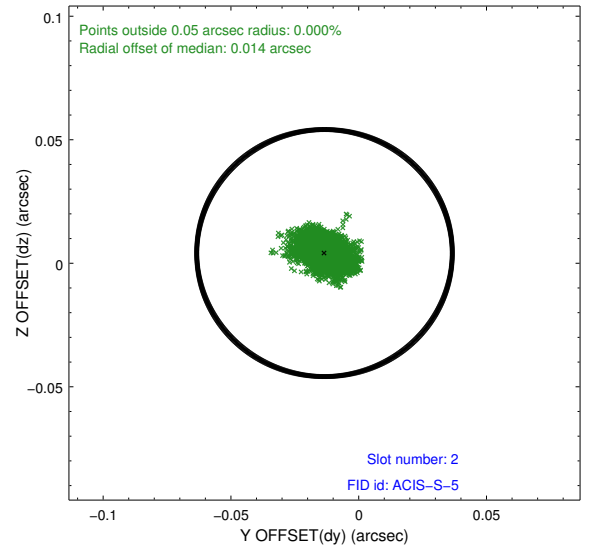
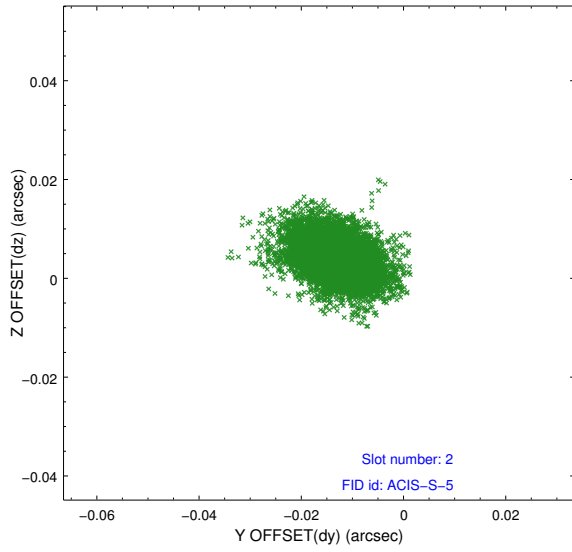
2.5.1 Slot 0



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)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.96

A.2 Comments