

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3938 - L2 Version 3
Chandra X-Ray Center

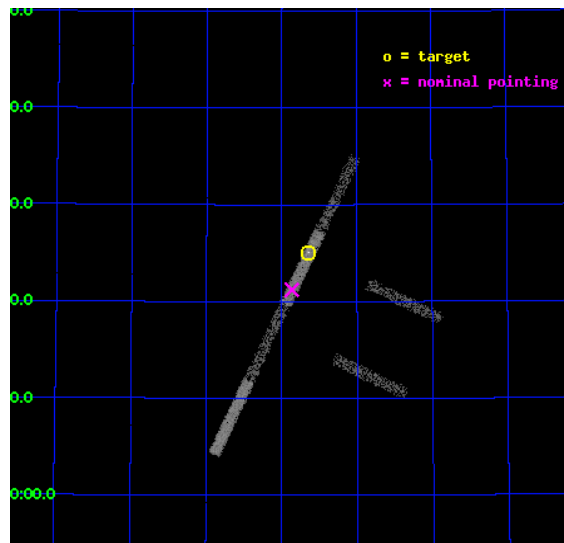
L2 Processing Date : Nov 3 2012

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1 Front

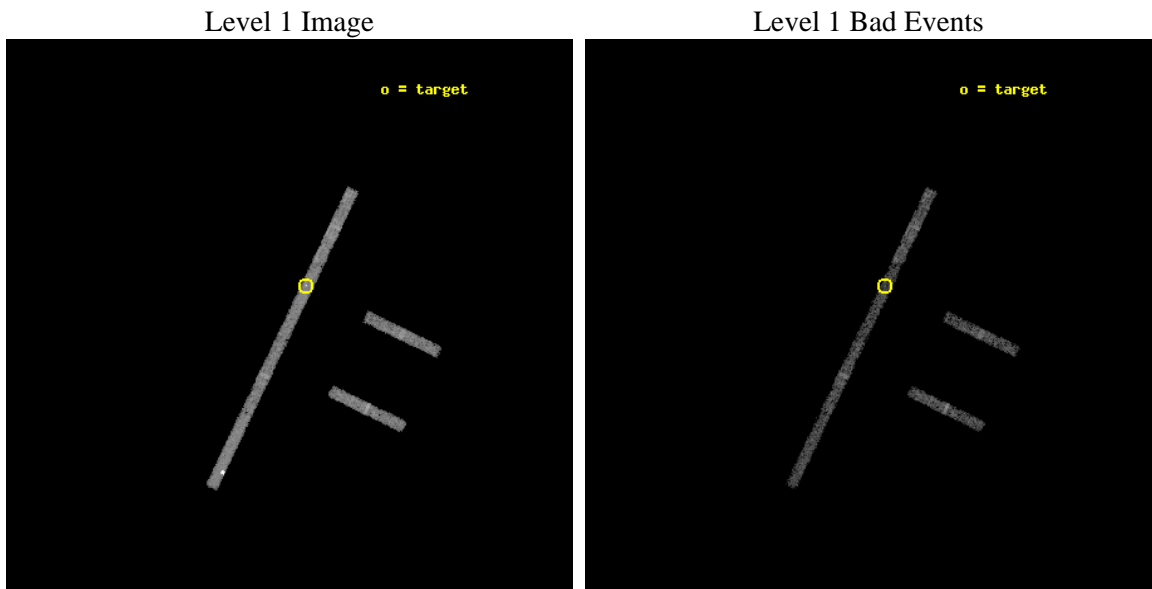
seq_num	600312	Sequence number
obs_id	3938	Observation id
title	PROBING THE SPECTRAL VARIABILITY OF THE ULTRALUMINOUS X-RAY SOURCE NGC 5204 X-1	Proposal title
observer	Dr Timothy Roberts	Principal investigator
object	NGC 5204 X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	202.410833	Observer's specified target RA [deg]
dec_targ	58.418333	Observer's specified target Dec [deg]
ra_nom	202.46631957487	Nominal RA [deg]
dec_nom	58.35382578893	Nominal Dec [deg]
roll_nom	295.72243816068	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5450.8999071717	Sum of GTIs [s]
livetime	5149.0202081132	Livetime [s]
ontime2	5450.8999071717	Sum of GTIs [s]
ontime3	5450.8999071717	Sum of GTIs [s]
ontime5	5450.8999071717	Sum of GTIs [s]
ontime6	5450.8999071717	Sum of GTIs [s]
ontime7	5450.8999071717	Sum of GTIs [s]
ontime8	5450.8999071717	Sum of GTIs [s]
l2events	8156	Number of level 2 events



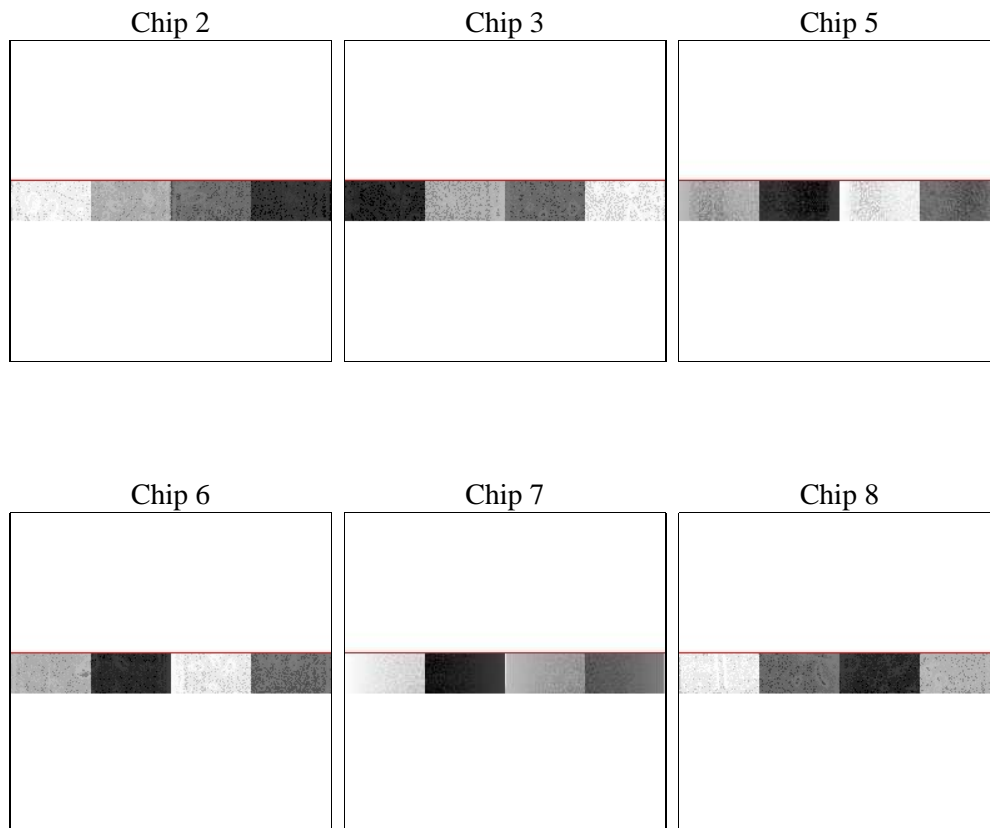
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4938.847000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5450.8999071717	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5450.8999071717	Sum of GTIs [s]
date	2012-11-03T14:26:46	Date and time of file creation	ontime3	5450.8999071717	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5450.8999071717	Sum of GTIs [s]
			ontime6	5450.8999071717	Sum of GTIs [s]
			ontime7	5450.8999071717	Sum of GTIs [s]
			ontime8	5450.8999071717	Sum of GTIs [s]
			l1events	45596	Number of level 1 events

2.1.4 Events

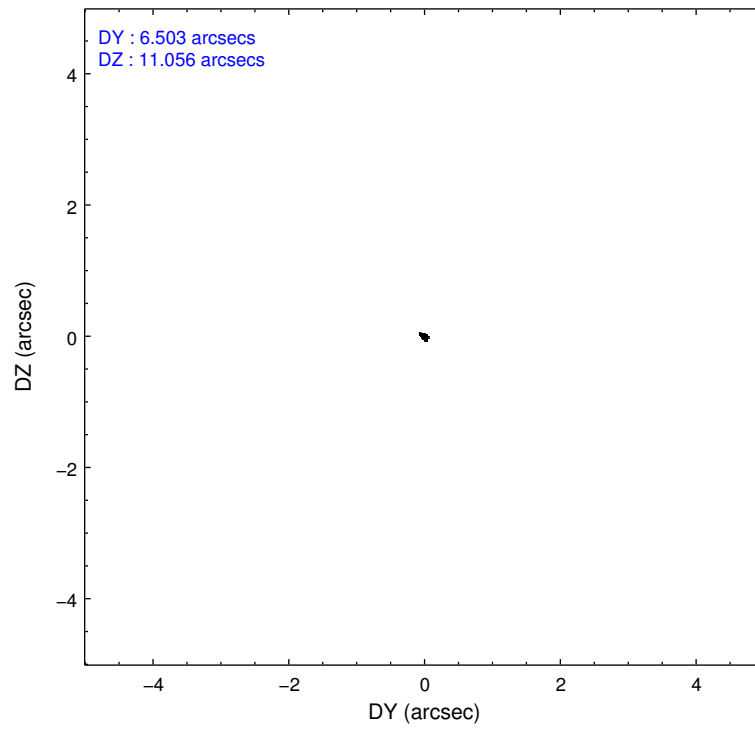
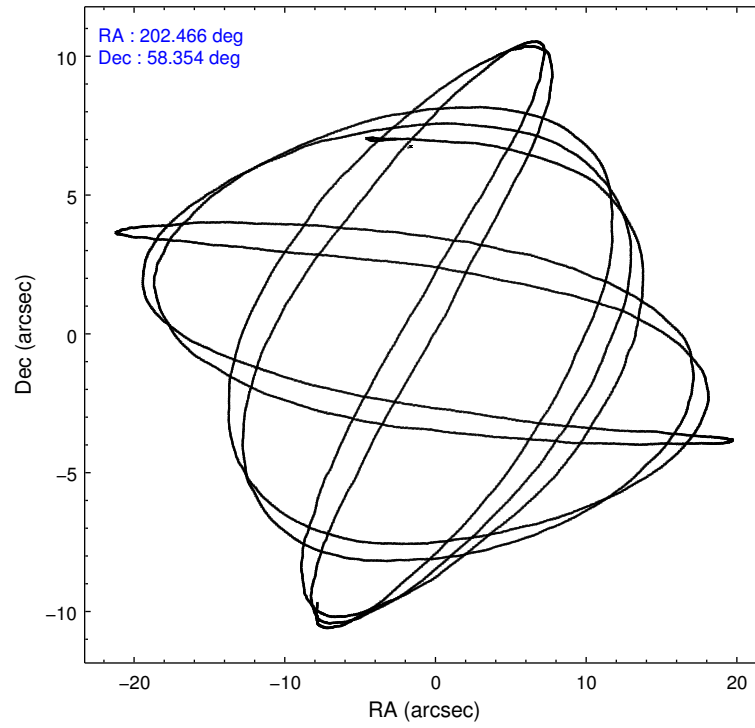
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6099	5483	13414	5833	6863	7904
rejected events	5405	4855	3878	5173	3600	6593
rejected %	88%	88%	28%	88%	52%	83%

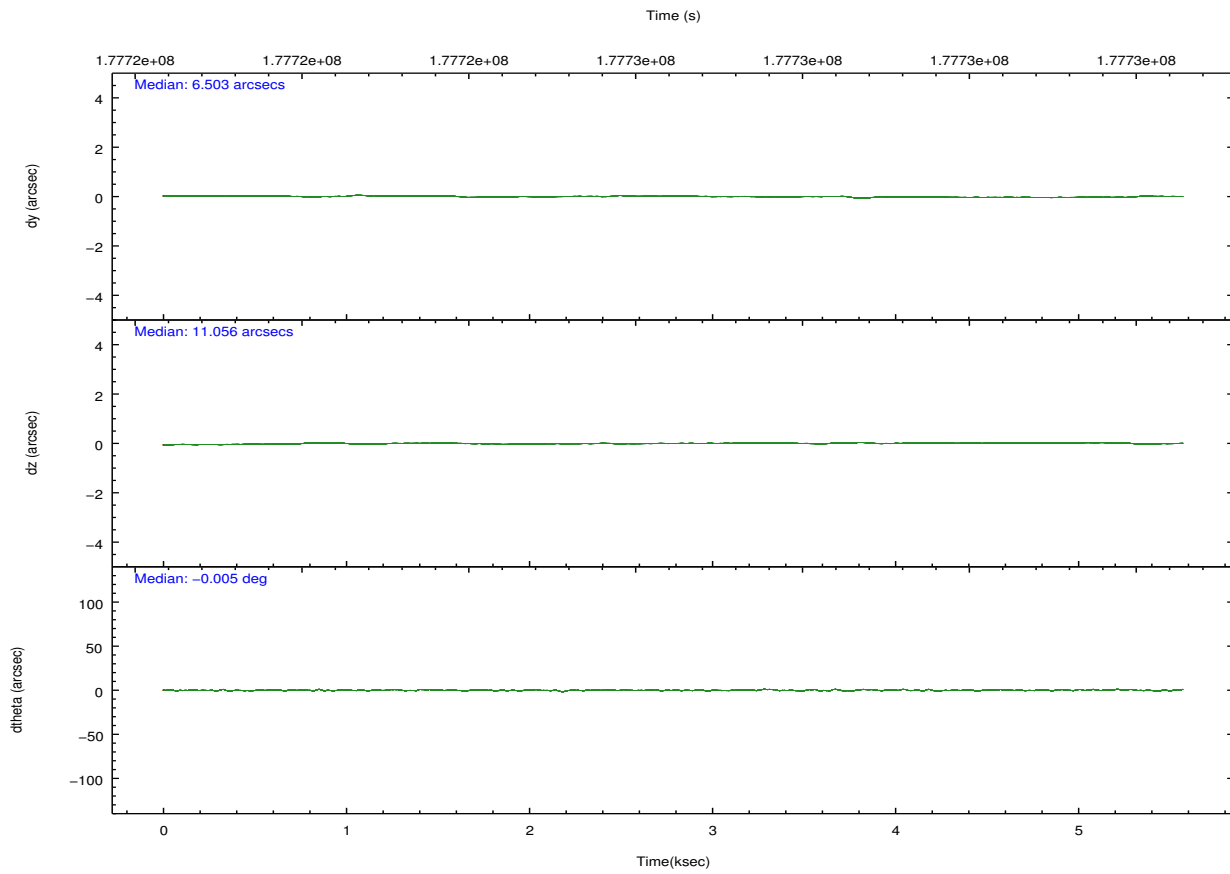
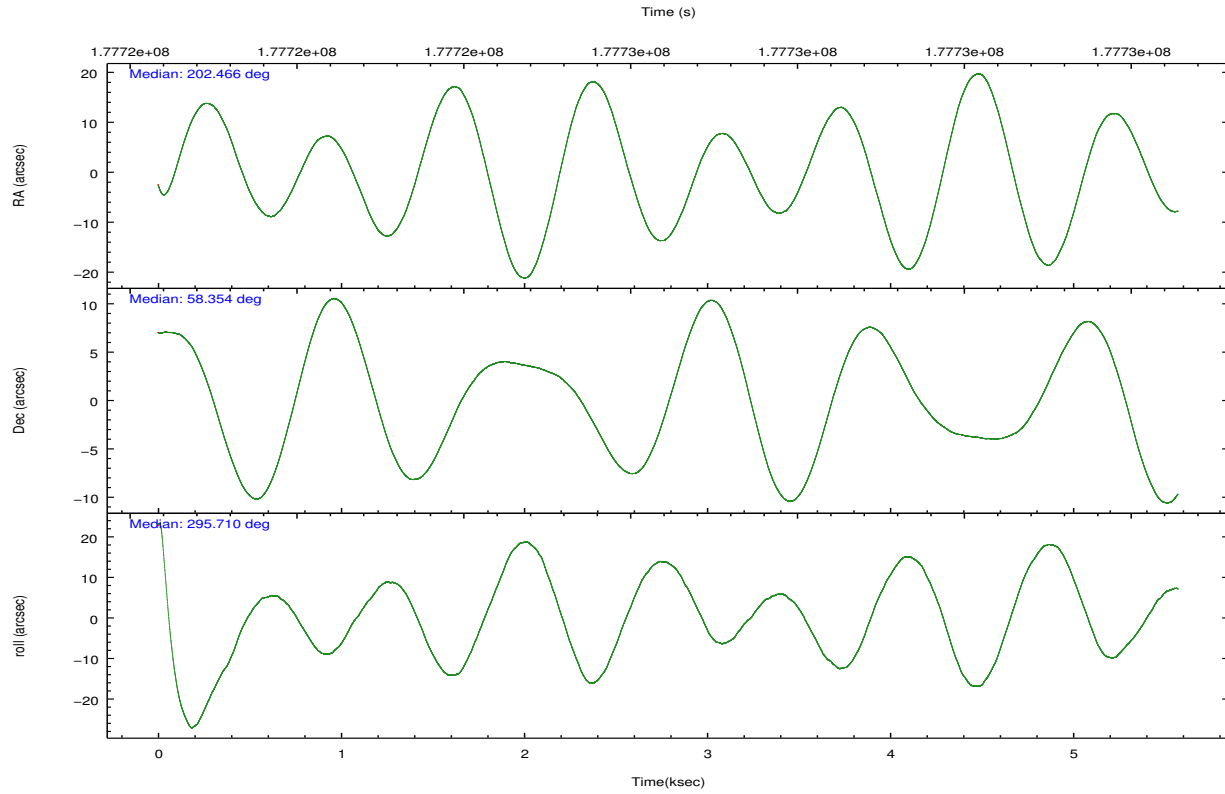
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	246	219	5062	216	519	364
	4%	3%	37%	3%	7%	4%
grade 1 events	0	0	22	0	6	0
	0%	0%	0%	0%	0%	0%
grade 2 events	151	101	2520	112	705	245
	2%	1%	18%	1%	10%	3%
grade 3 events	110	114	242	108	366	155
	1%	2%	1%	1%	5%	1%
grade 4 events	91	90	250	102	344	131
	1%	1%	1%	1%	5%	1%
grade 5 events	164	182	602	217	594	250
	2%	3%	4%	3%	8%	3%
grade 6 events	97	104	1464	123	1331	416
	1%	1%	10%	2%	19%	5%
grade 7 events	5240	4673	3252	4955	2998	6343
	85%	85%	24%	84%	43%	80%

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	202.422905	202.4663195748723	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	58.368877	58.35382578893029	Subarray start row	449	449
[deg] Pointing Roll	295.602691	295.722438160676	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.7
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	177724072.184000	177722886.53605			
Observation start date	2003-08-19T23:46:48	2003-08-19T23:28:06			
[s] Observation end time (MET)	177729011.184000	177729325.58632			
Observation end date	2003-08-20T01:09:07	2003-08-20T01:15:25			
Read mode	TIMED	TIMED			

2.3 Aspect





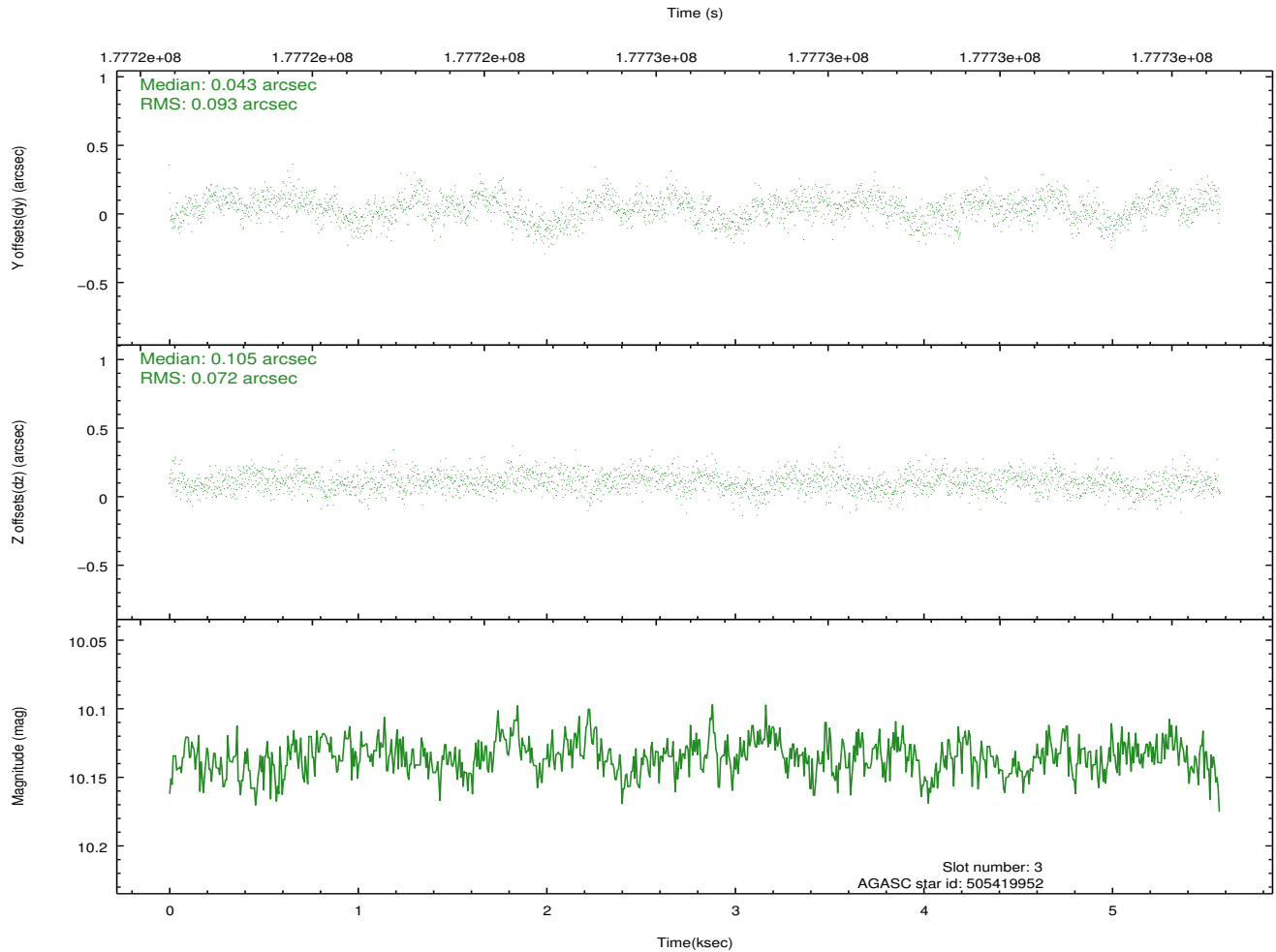
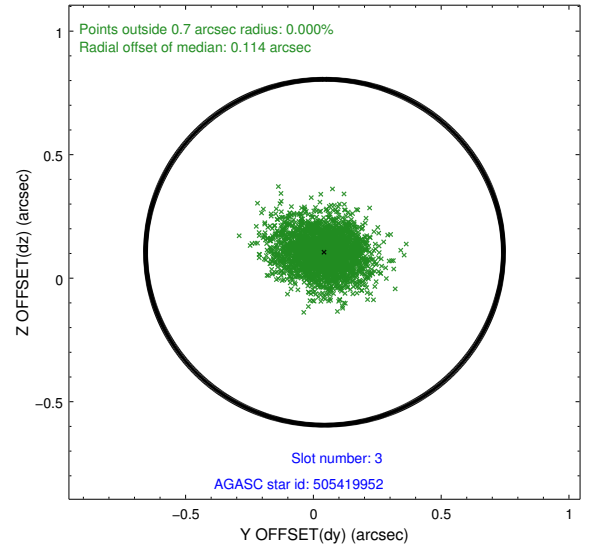
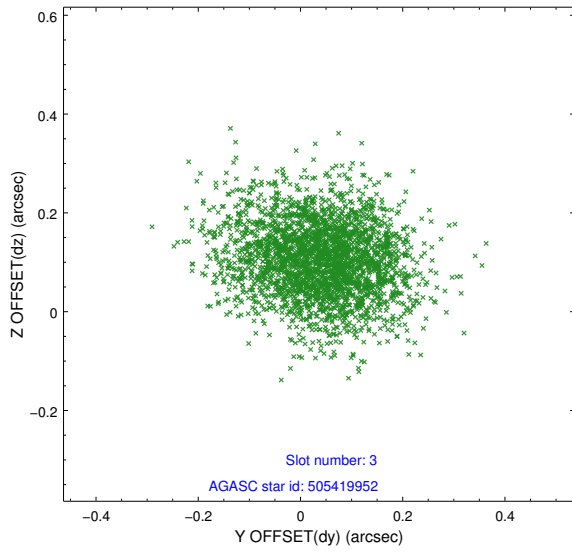
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.20	1360	0.039	-0.008	0.006	0.011	0.000000	0.000000	2154.15	176.36
1	FID	ACIS-S-5	7.23	1359	-0.046	-0.000	0.005	0.010	0.000000	0.000000	-1810.74	169.90
2	FID	ACIS-S-6	7.34	1360	-0.021	0.022	0.007	0.011	0.000000	0.000000	401.17	813.69
3	GUIDE	505419952	10.13	2719	0.043	0.105	0.124	0.205	201.880700	58.804366	-1854.24	-233.01
4	GUIDE	505421936	8.86	2719	-0.080	0.034	0.069	0.110	201.854843	57.887820	1087.59	-1726.74
5	GUIDE	505421968	8.20	2718	0.008	-0.078	0.063	0.101	202.022601	58.209270	188.75	-932.87
6	GUIDE	505422344	8.62	2719	0.030	0.146	0.057	0.094	202.767077	57.846963	1978.13	-216.47
7	GUIDE	505414952	10.00	2715	0.007	-0.207	0.125	0.208	203.527988	58.651569	-38.40	2313.06

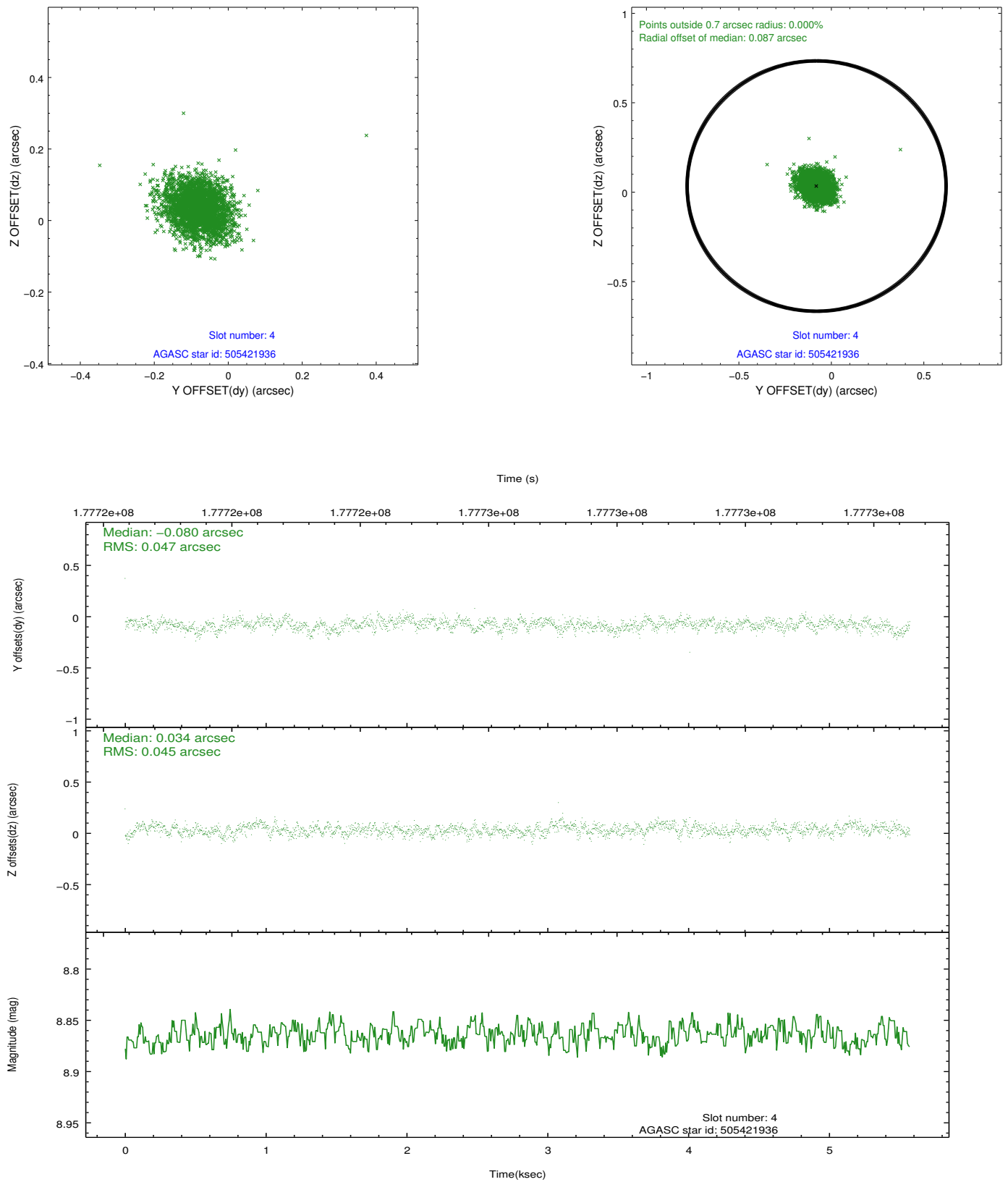
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2.4 Star Slots

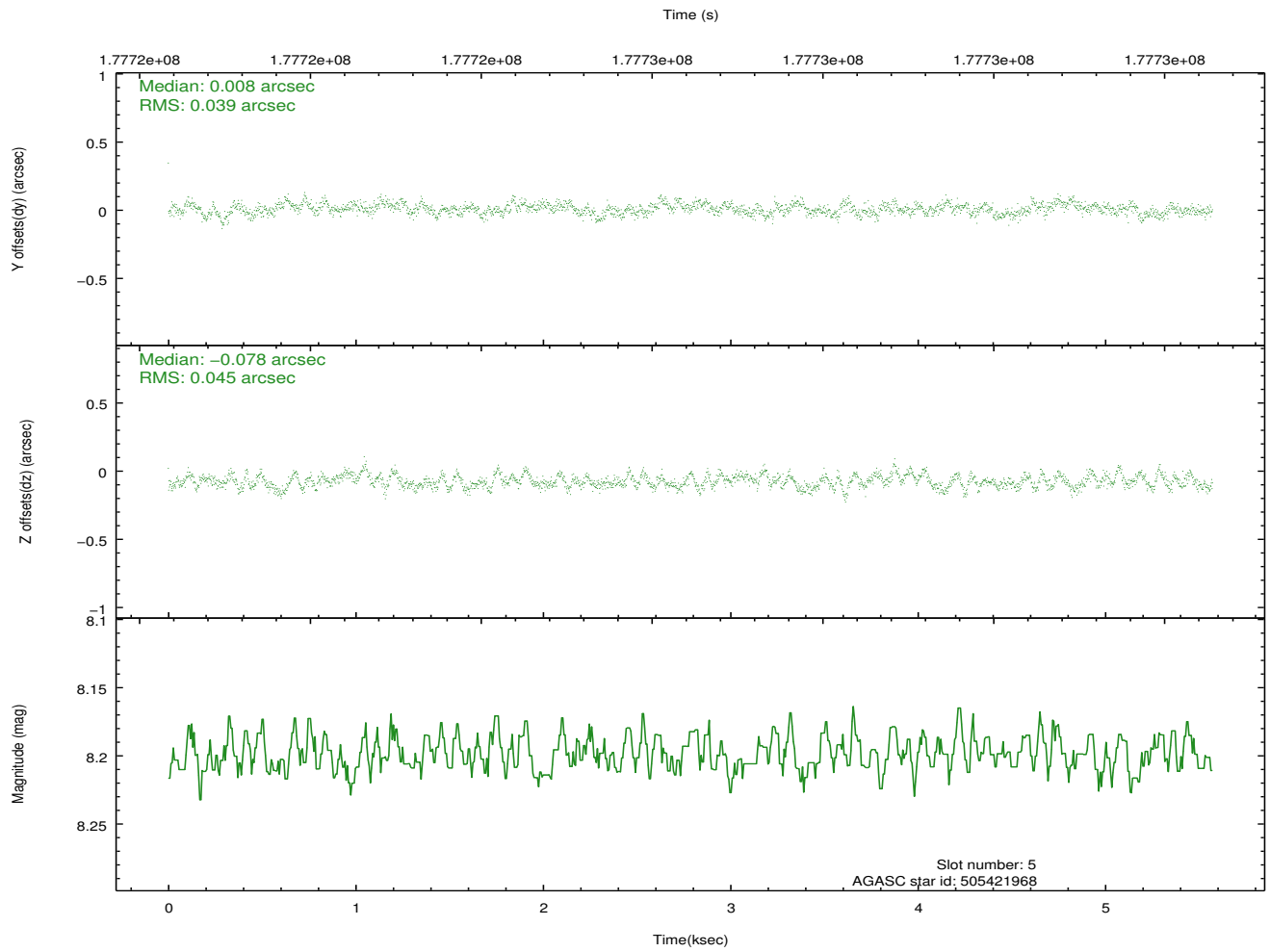
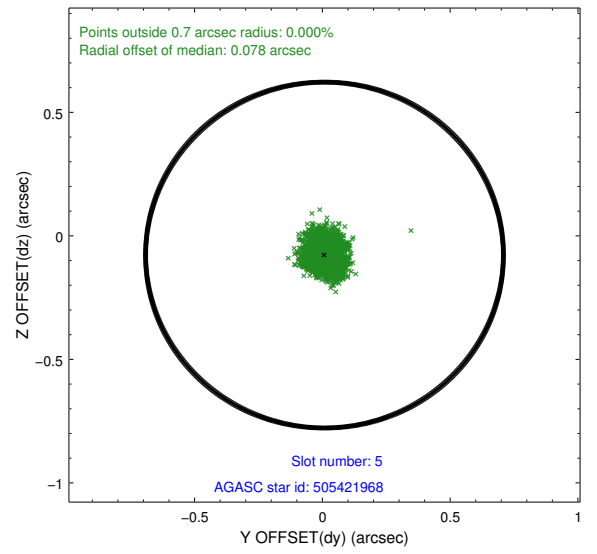
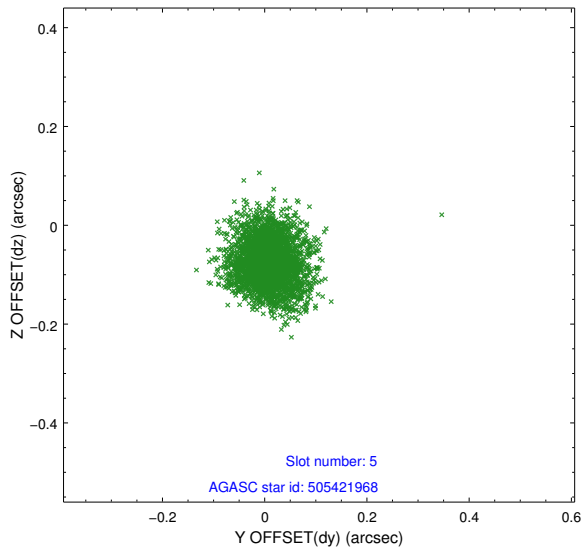
2.4.1 Slot 3



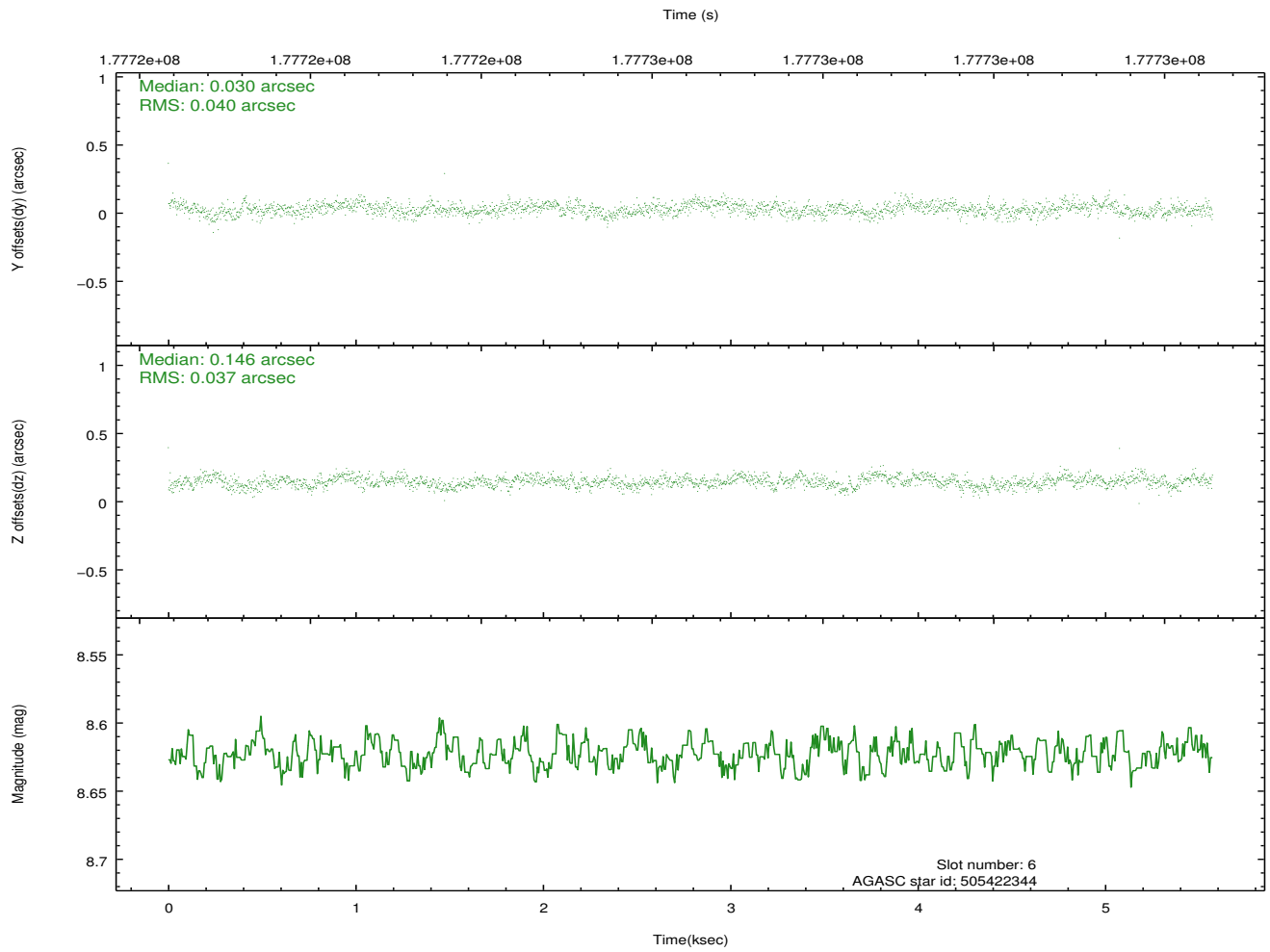
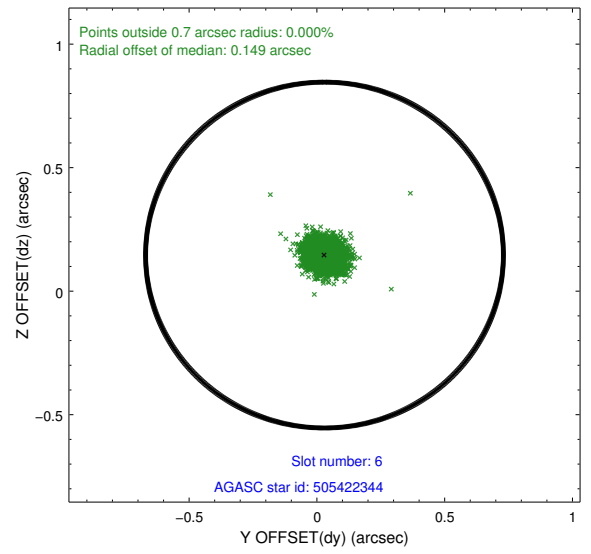
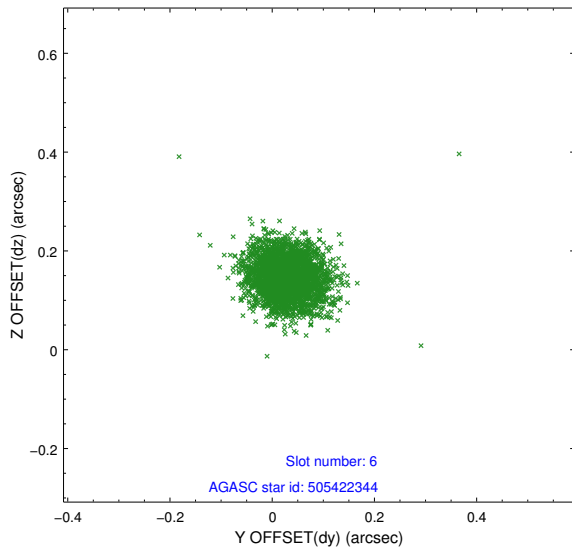
2.4.2 Slot 4



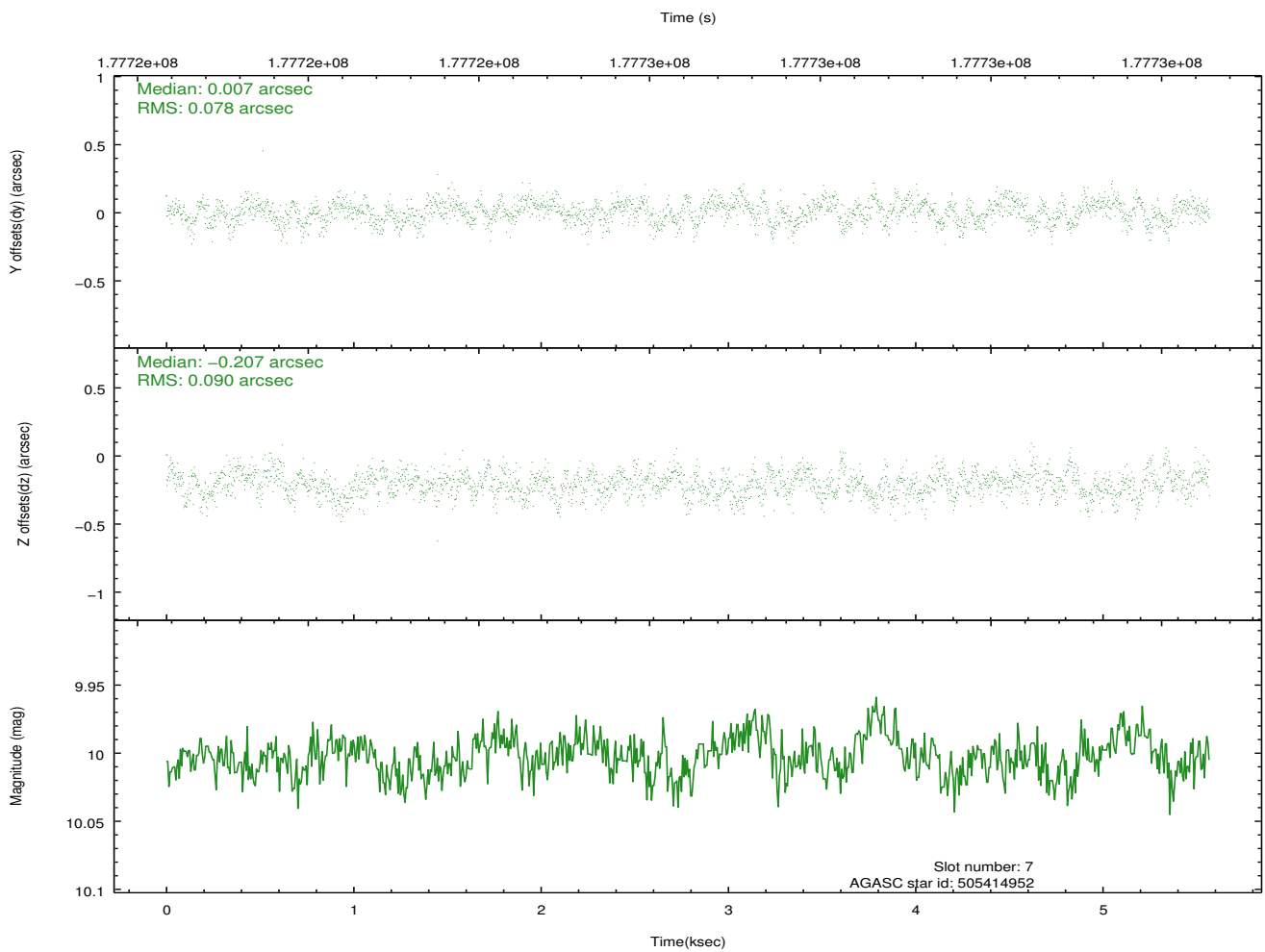
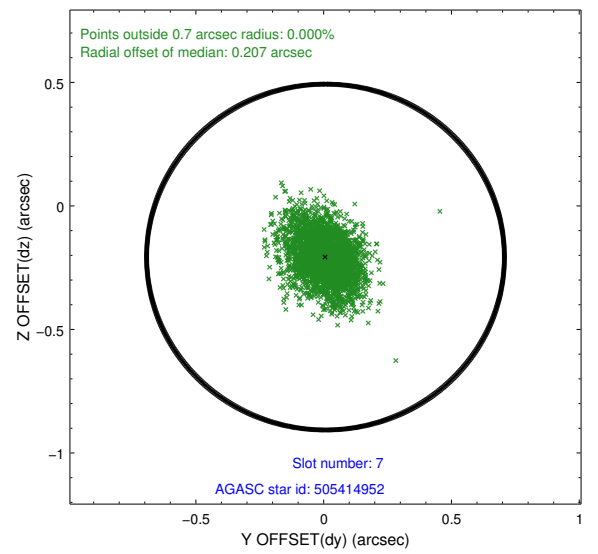
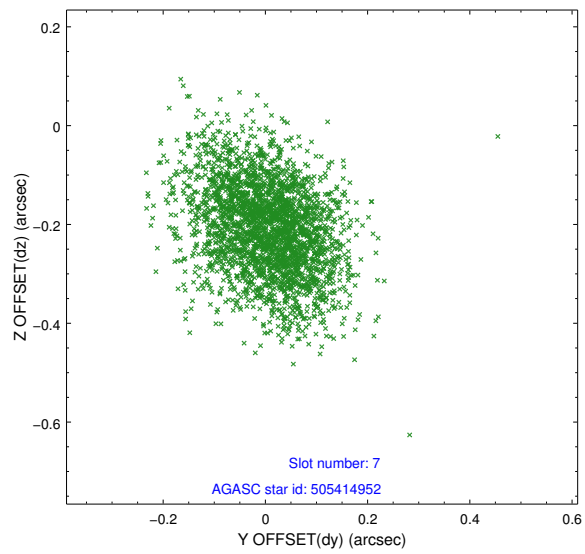
2.4.3 Slot 5



2.4.4 Slot 6

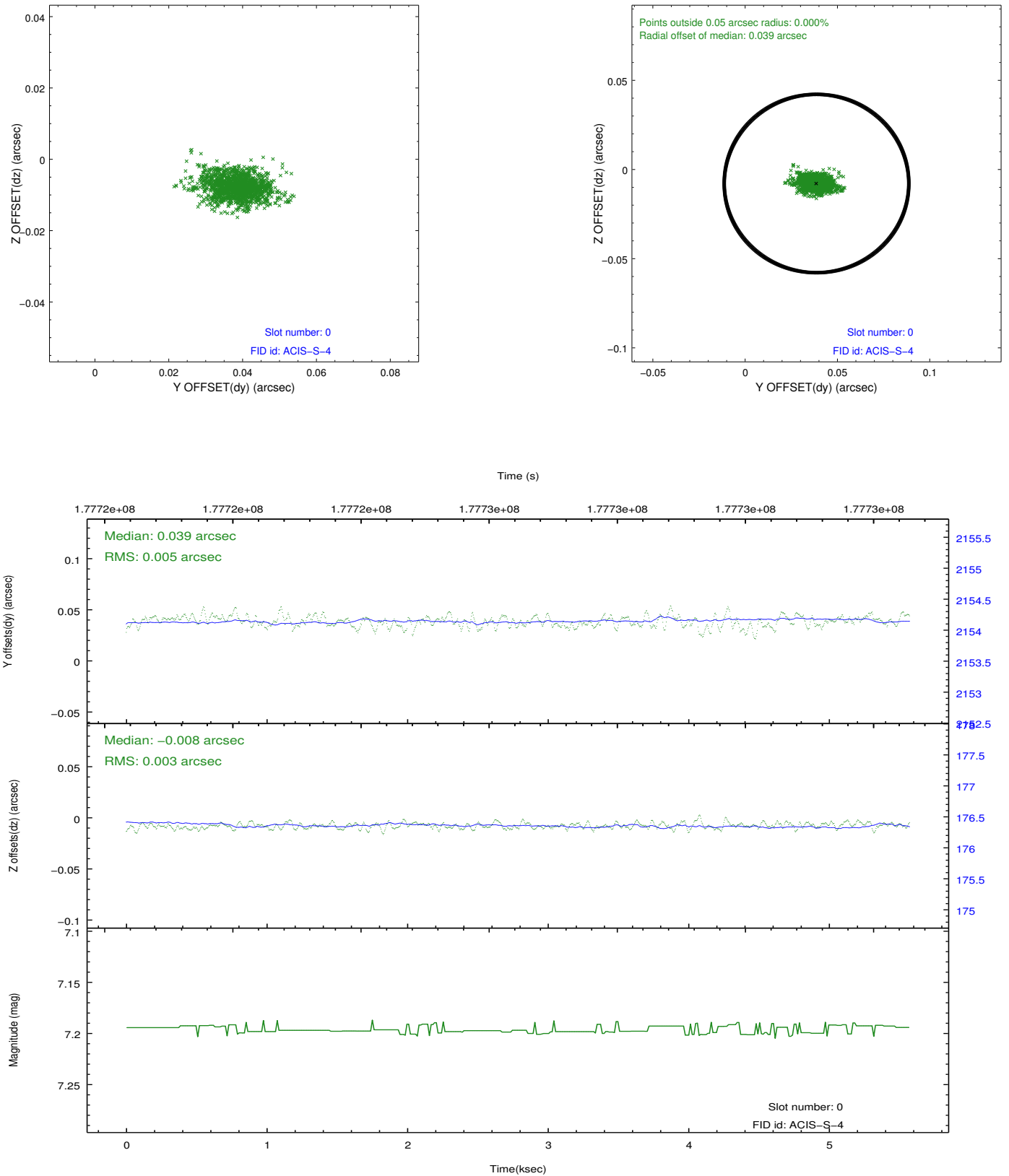


2.4.5 Slot 7

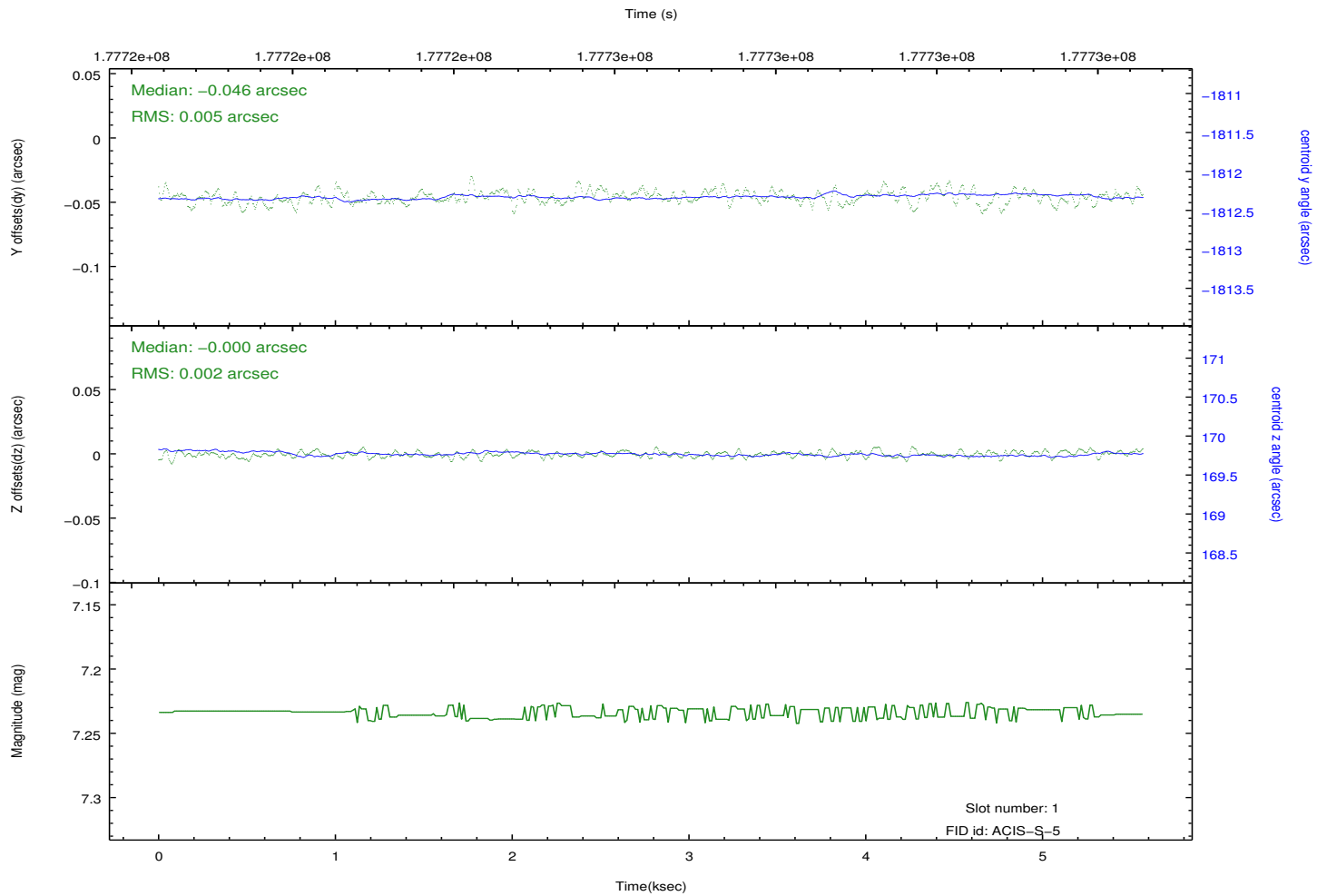
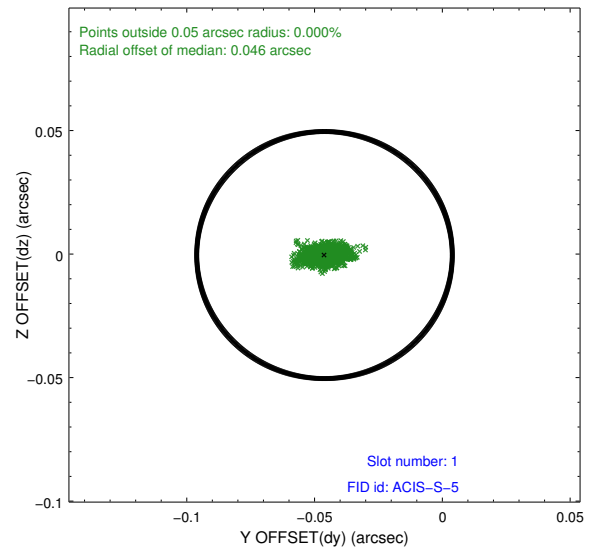
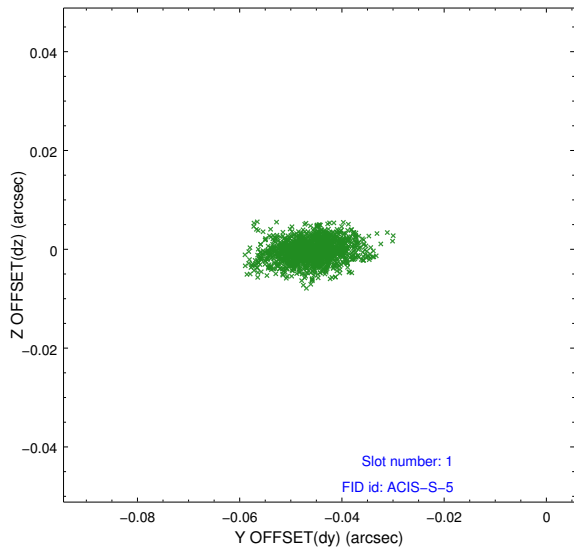


2.5 FID Slots

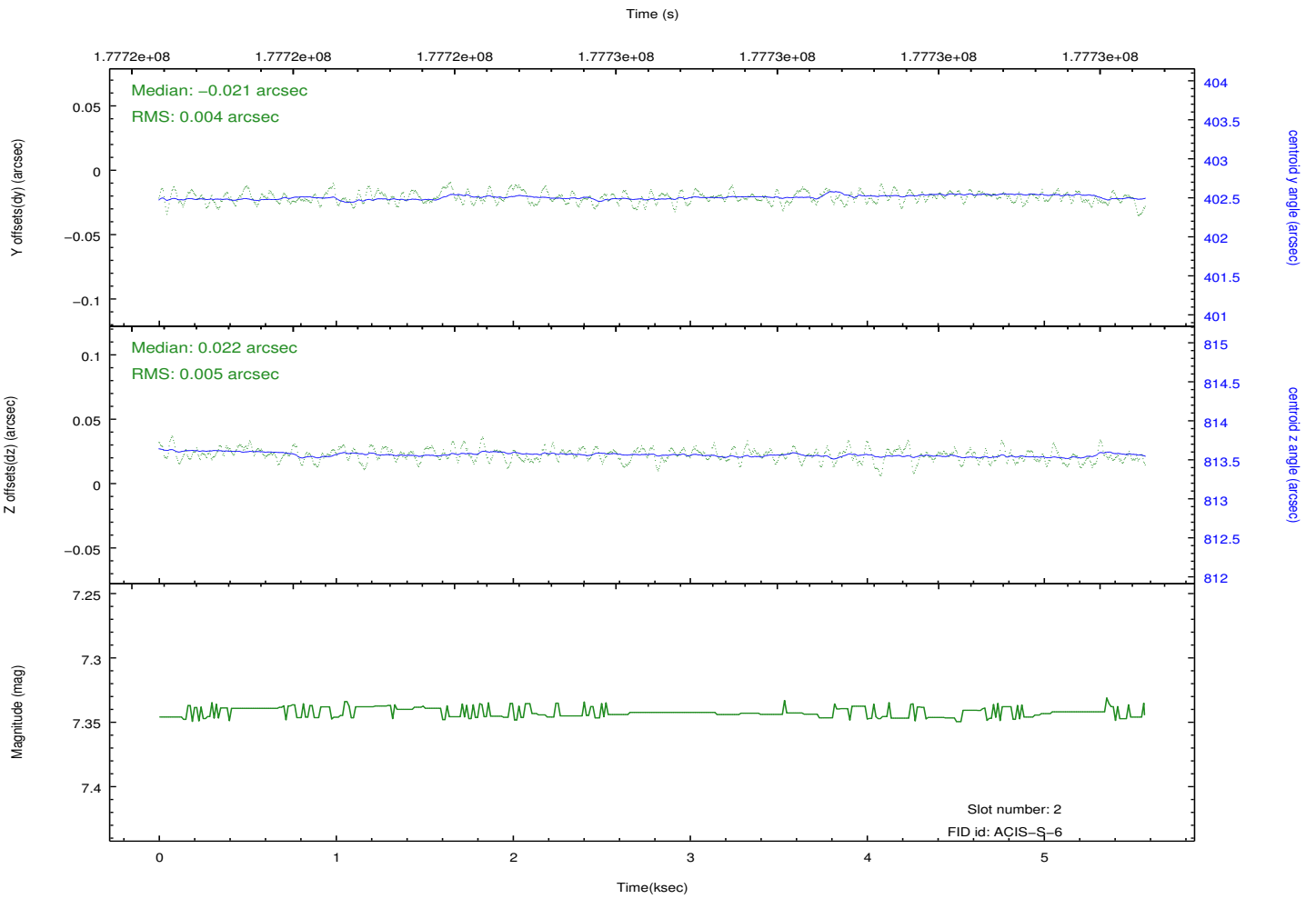
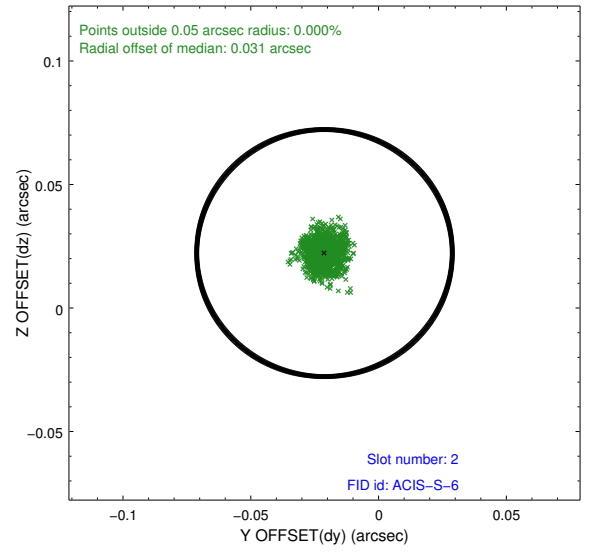
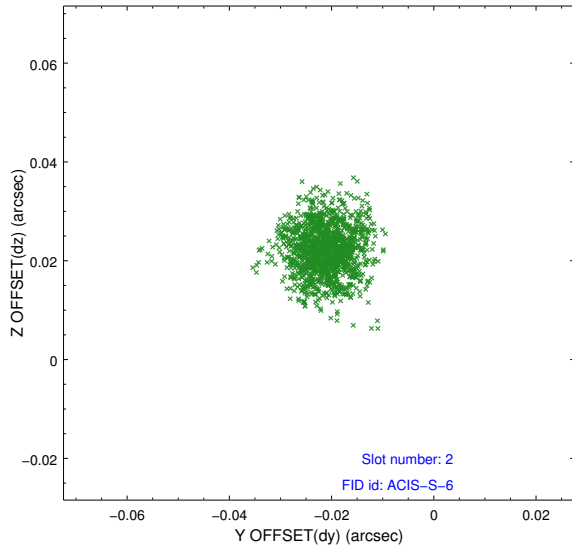
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.451

A.2 Comments

Monitor constraint met.