

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6654 - L2 Version 2
Chandra X-Ray Center

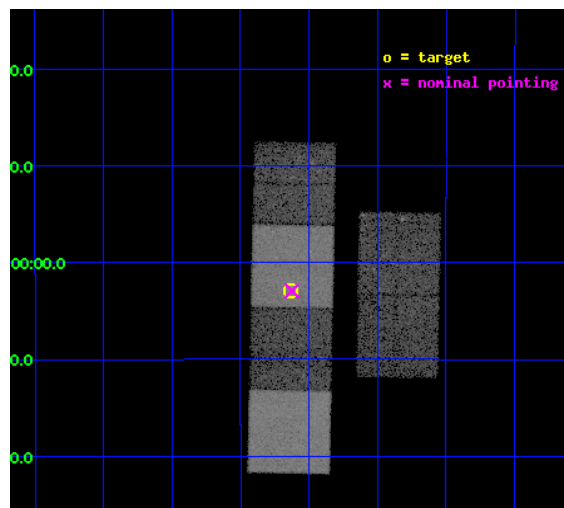
L2 Processing Date : Apr 9 2012

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1 Front

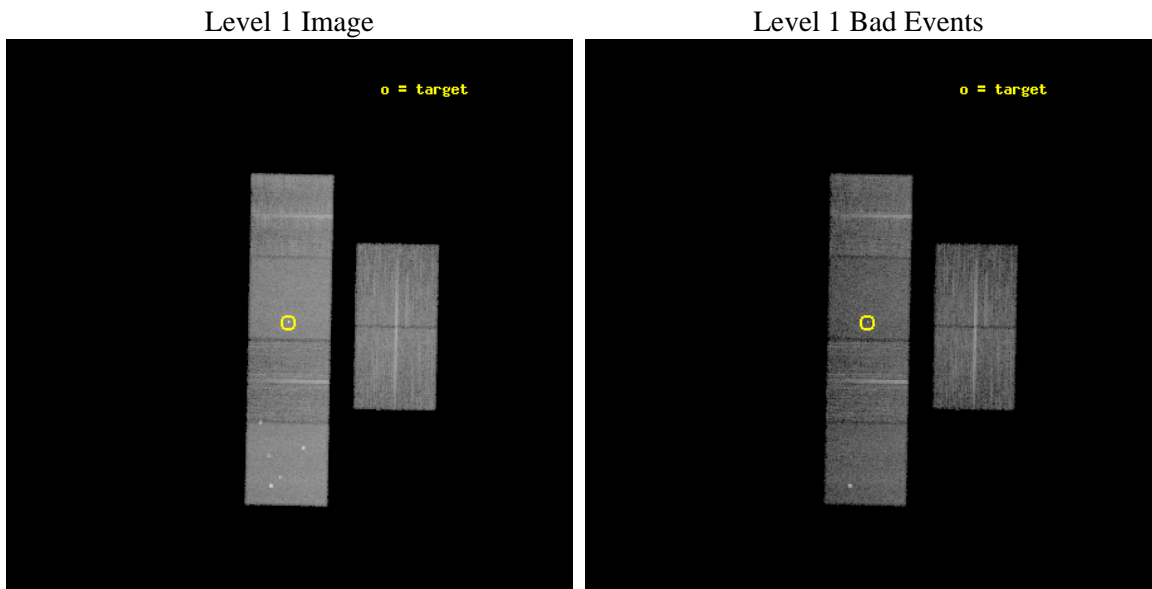
seq_num	400557	Sequence number
obs_id	6654	Observation id
title	In pursuit of the fast X-ray transient SAX J1818.6-1703	Proposal t
observer	Prof Mariano Mendez	Principal investigator
object	SAX J1818.6-1703	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.657917	Observer's specified target RA [deg]
dec_targ	-17.0475	Observer's specified target Dec [deg]
ra_nom	274.65617278179	Nominal RA [deg]
dec_nom	-17.048798186405	Nominal Dec [deg]
roll_nom	271.11696195859	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9955.1999629736	Sum of GTIs [s]
livetime	9829.1412267407	Livetime [s]
ontime2	9951.9589726329	Sum of GTIs [s]
ontime3	9942.2359918952	Sum of GTIs [s]
ontime5	9955.1999629736	Sum of GTIs [s]
ontime6	9951.9589726925	Sum of GTIs [s]
ontime7	9955.1999629736	Sum of GTIs [s]
ontime8	9951.9566714764	Sum of GTIs [s]
l2events	156464	Number of level 2 events



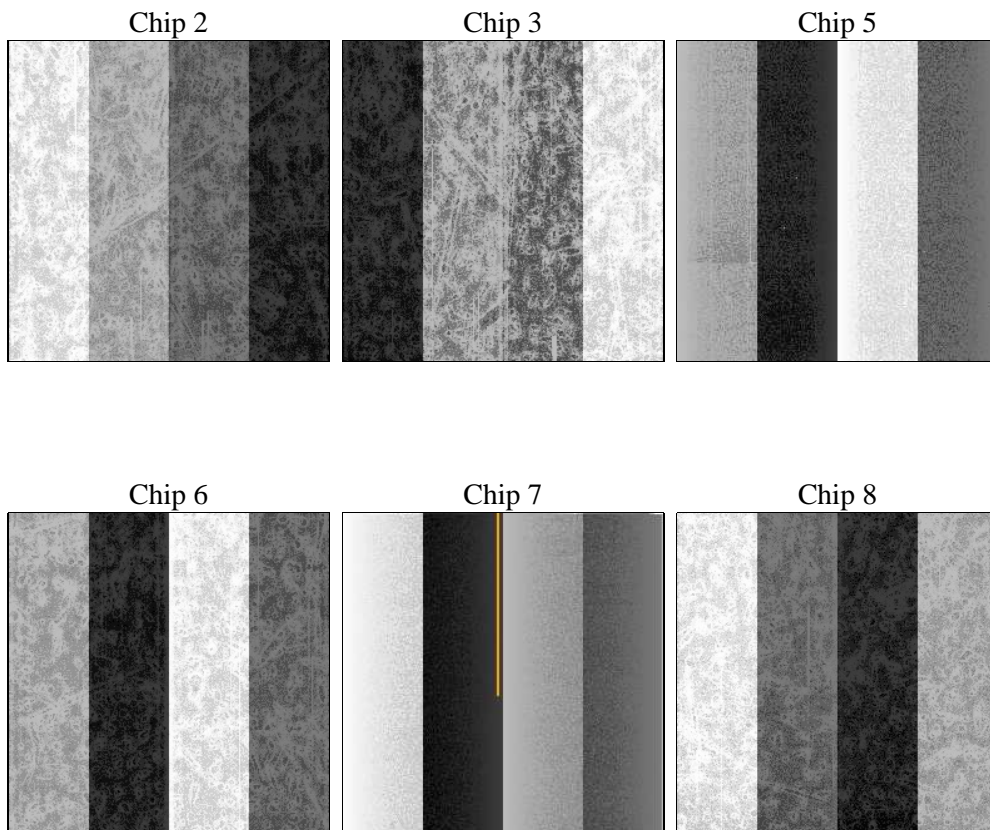
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	9955.1999629736	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	9951.9589726329	Sum of GTIs [s]
date	2012-04-09T17:08:12	Date and time of file creation	ontime3	9942.2359918952	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	9955.1999629736	Sum of GTIs [s]
			ontime6	9951.9589726925	Sum of GTIs [s]
			ontime7	9955.1999629736	Sum of GTIs [s]
			ontime8	9951.9566714764	Sum of GTIs [s]
			l1events	656039	Number of level 1 events

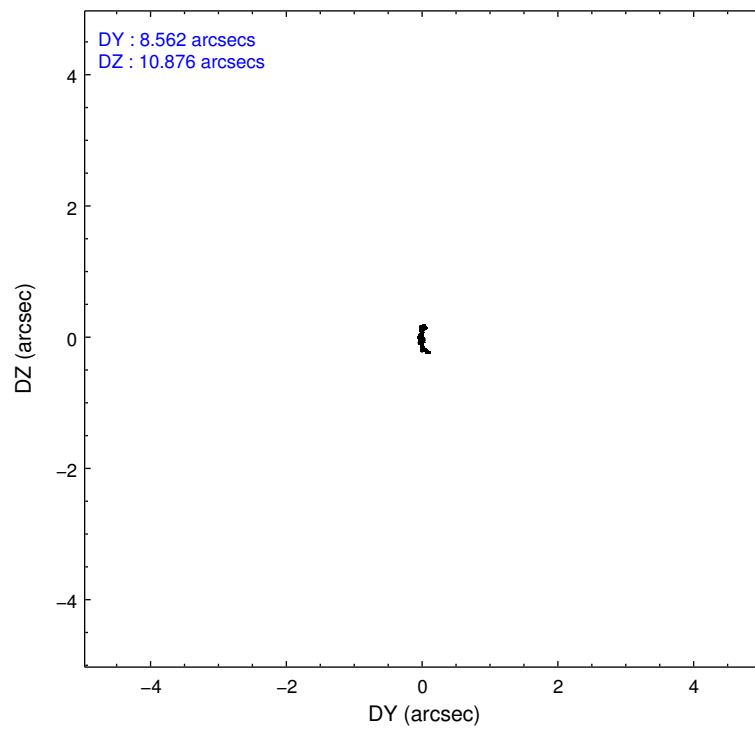
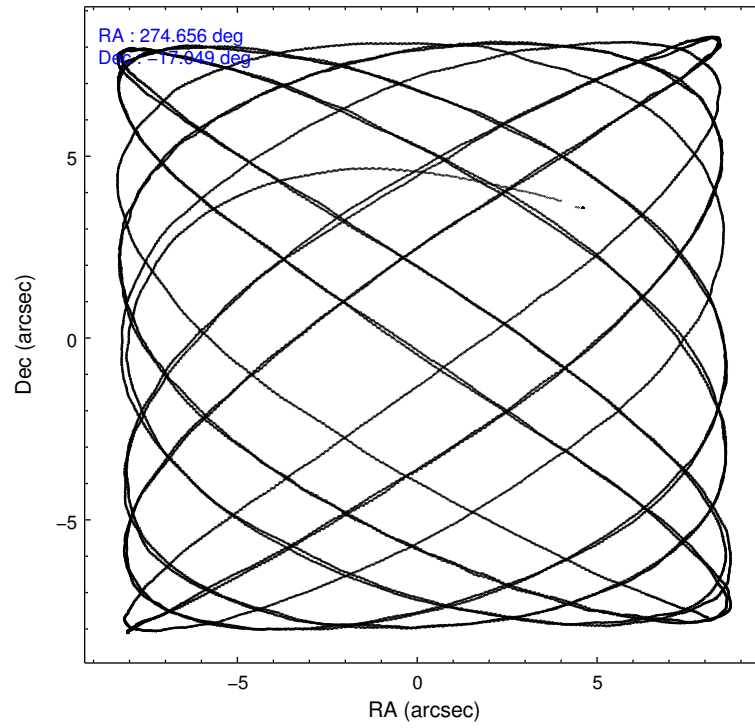
2.1.4 Events

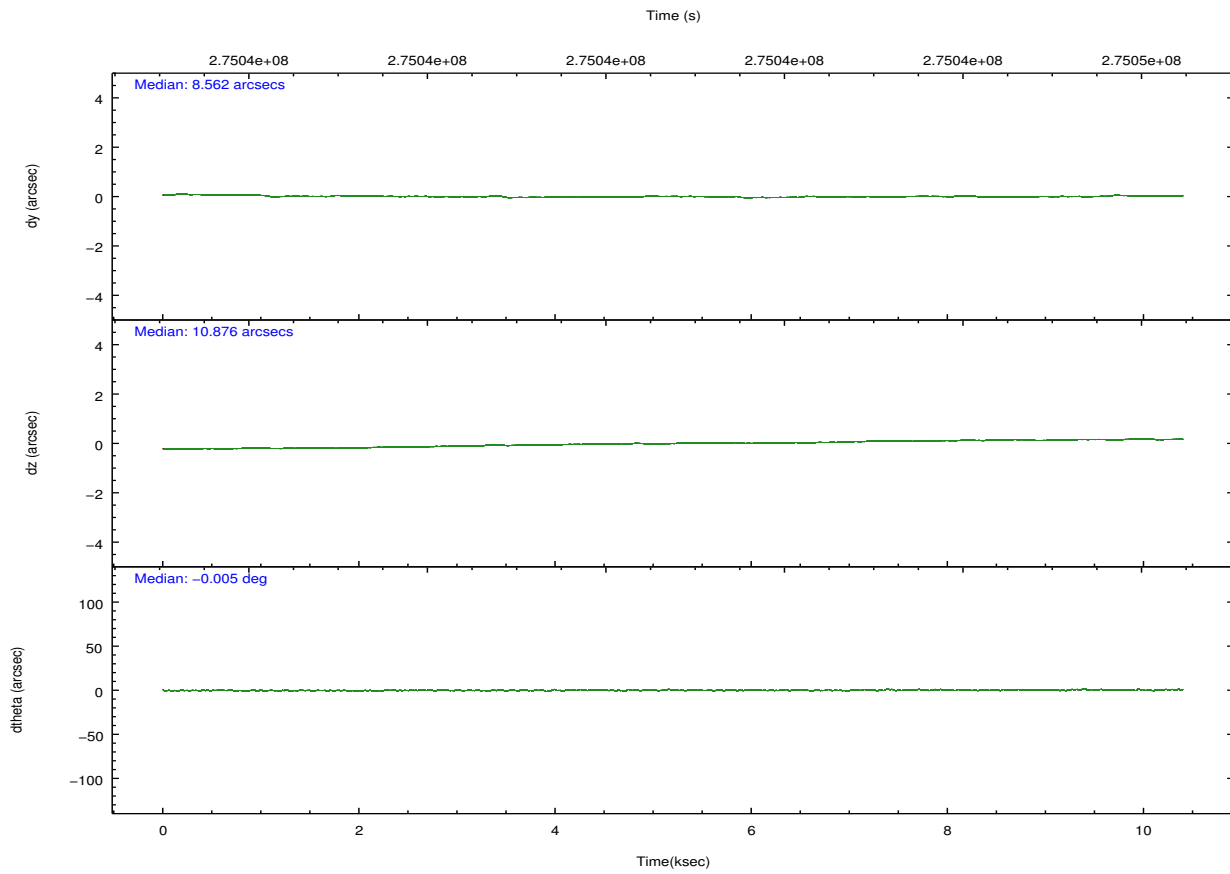
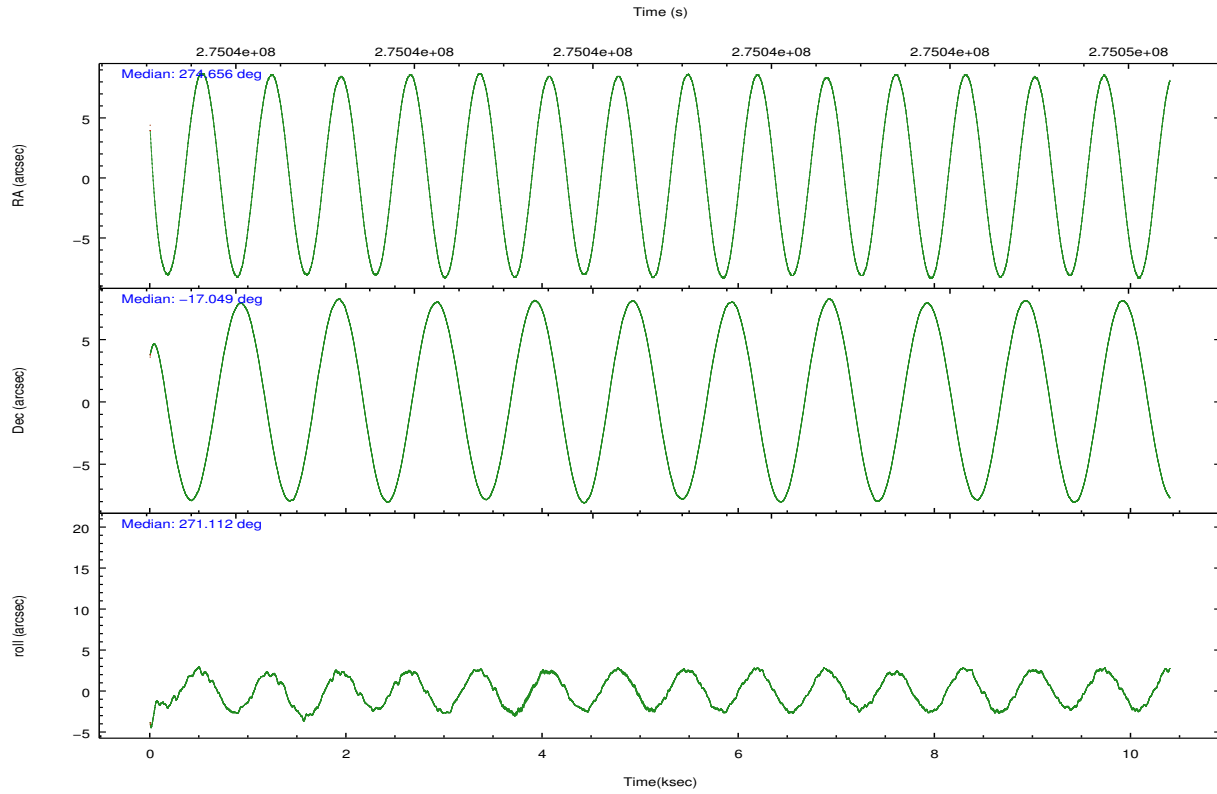
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	93832	88608	140561	91032	127432	114574	grade 0 events	4954	5489	7533	4933	5127	8792
rejected events	82871	76987	74898	79243	71728	88245		5%	6%	5%	5%	4%	7%
rejected %	88%	86%	53%	87%	56%	77%	grade 1 events	64	61	1550	53	147	91
								0%	0%	1%	0%	0%	0%
							grade 2 events	2270	2168	19608	2559	11292	5840
								2%	2%	13%	2%	8%	5%
							grade 3 events	988	1079	2363	994	4845	2687
								1%	1%	1%	1%	3%	2%
							grade 4 events	947	1026	2270	1061	4749	2501
								1%	1%	1%	1%	3%	2%
							grade 5 events	3470	4008	9410	4179	11665	5446
								3%	4%	6%	4%	9%	4%
							grade 6 events	1803	1869	33904	2244	29715	6522
								1%	2%	24%	2%	23%	5%
							grade 7 events	79336	72908	63923	75009	59892	82695
								84%	82%	45%	82%	46%	72%

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	274.641144	274.6561727817885	Subarray requested	NONE	NONE
[deg] Pointing Dec	-17.025662	-17.04879818640476	Alternating exposures requested	N	N
[deg] Pointing Roll	270.955936	271.1169619585917	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	275035955.184000	275034884.69449			
Observation start date	2006-09-19T06:51:30	2006-09-19T06:34:44			
[s] Observation end time (MET)	275045955.184000	275046416.97004			
Observation end date	2006-09-19T09:38:10	2006-09-19T09:46:56			
Read mode	TIMED	TIMED			

2.3 Aspect



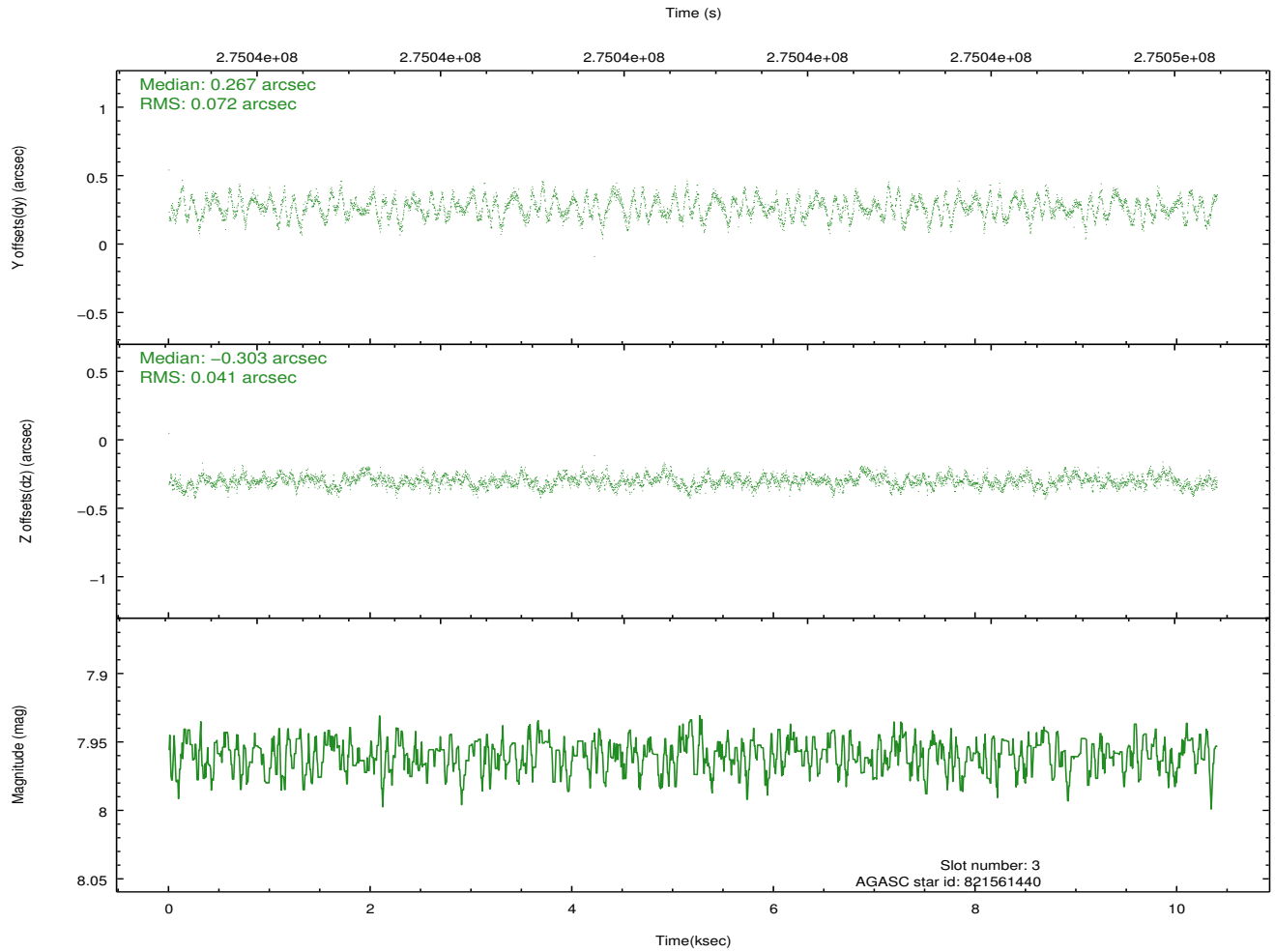
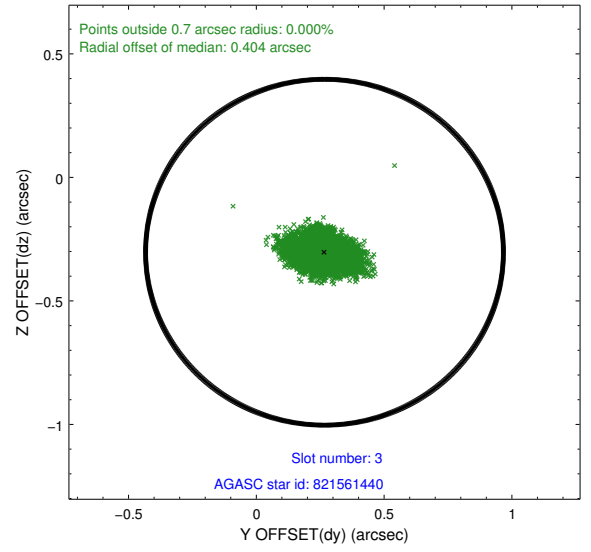
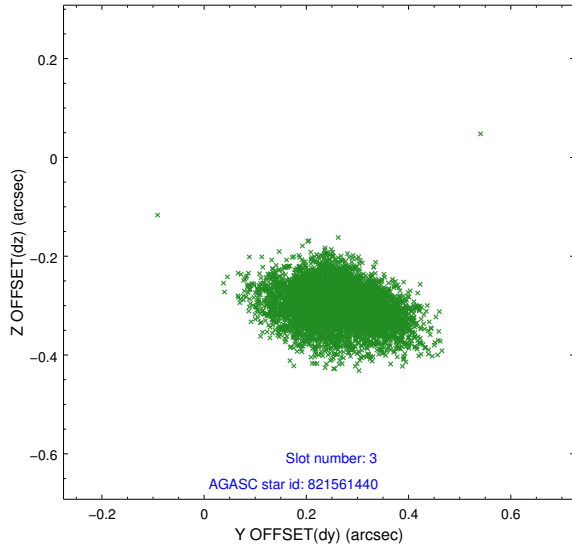


Slot Statistics

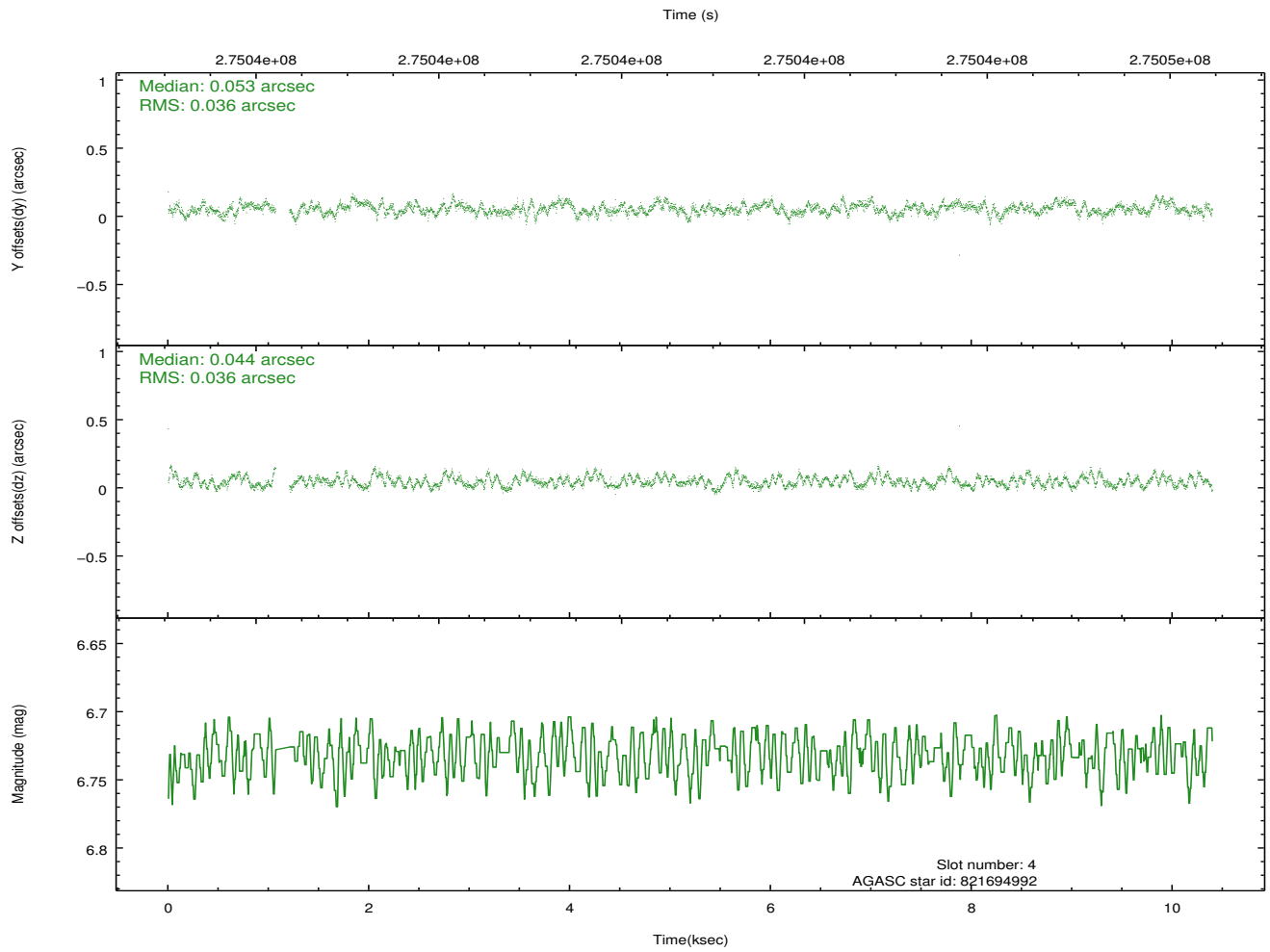
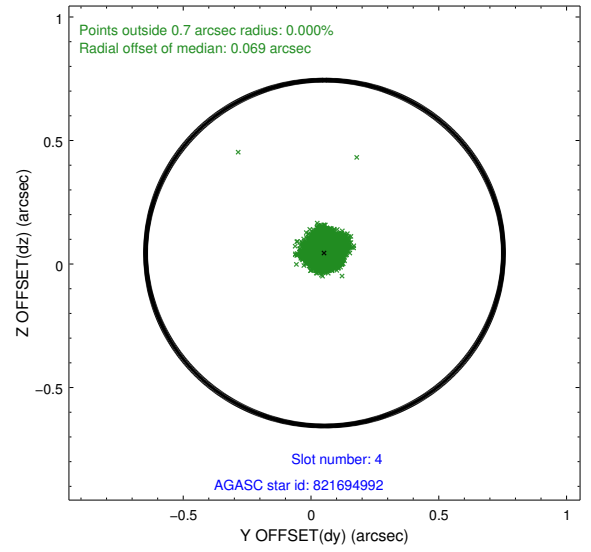
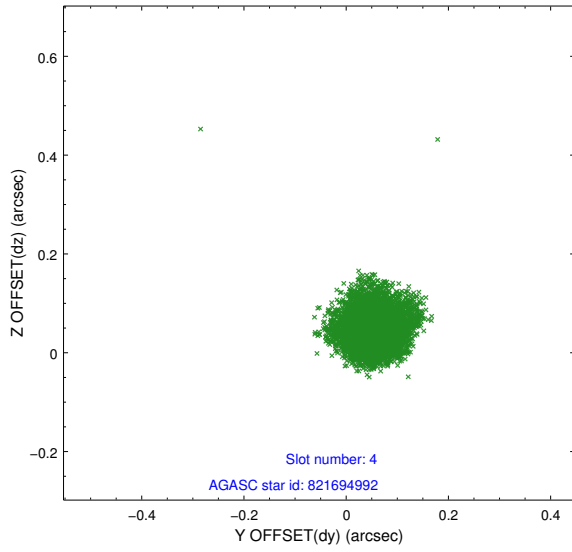
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2533	-0.086	-0.063	0.006	0.011	0.000000	0.000000	-761.43	-1732.09
1	FID	ACIS-S-4	7.21	2532	0.091	0.039	0.007	0.011	0.000000	0.000000	2151.78	175.99
2	FID	ACIS-S-6	7.36	2533	-0.032	0.031	0.007	0.012	0.000000	0.000000	401.23	813.94
3	GUIDE	821561440	7.96	5065	0.267	-0.303	0.088	0.142	273.991252	-17.607934	2063.12	-2264.71
4	GUIDE	821694992	6.73	5000	0.053	0.044	0.054	0.085	274.600512	-17.534363	1829.34	-169.96
5	GUIDE	821178592	7.46	5065	-0.192	0.054	0.058	0.092	274.768757	-16.375672	-2331.90	479.80
6	GUIDE	821169272	7.20	5069	-0.258	0.170	0.075	0.122	275.312025	-16.375484	-2298.66	2356.28
7	GUIDE	821708016	7.77	5067	0.135	0.035	0.068	0.105	275.287756	-17.381573	1321.50	2200.65

2.4 Star Slots

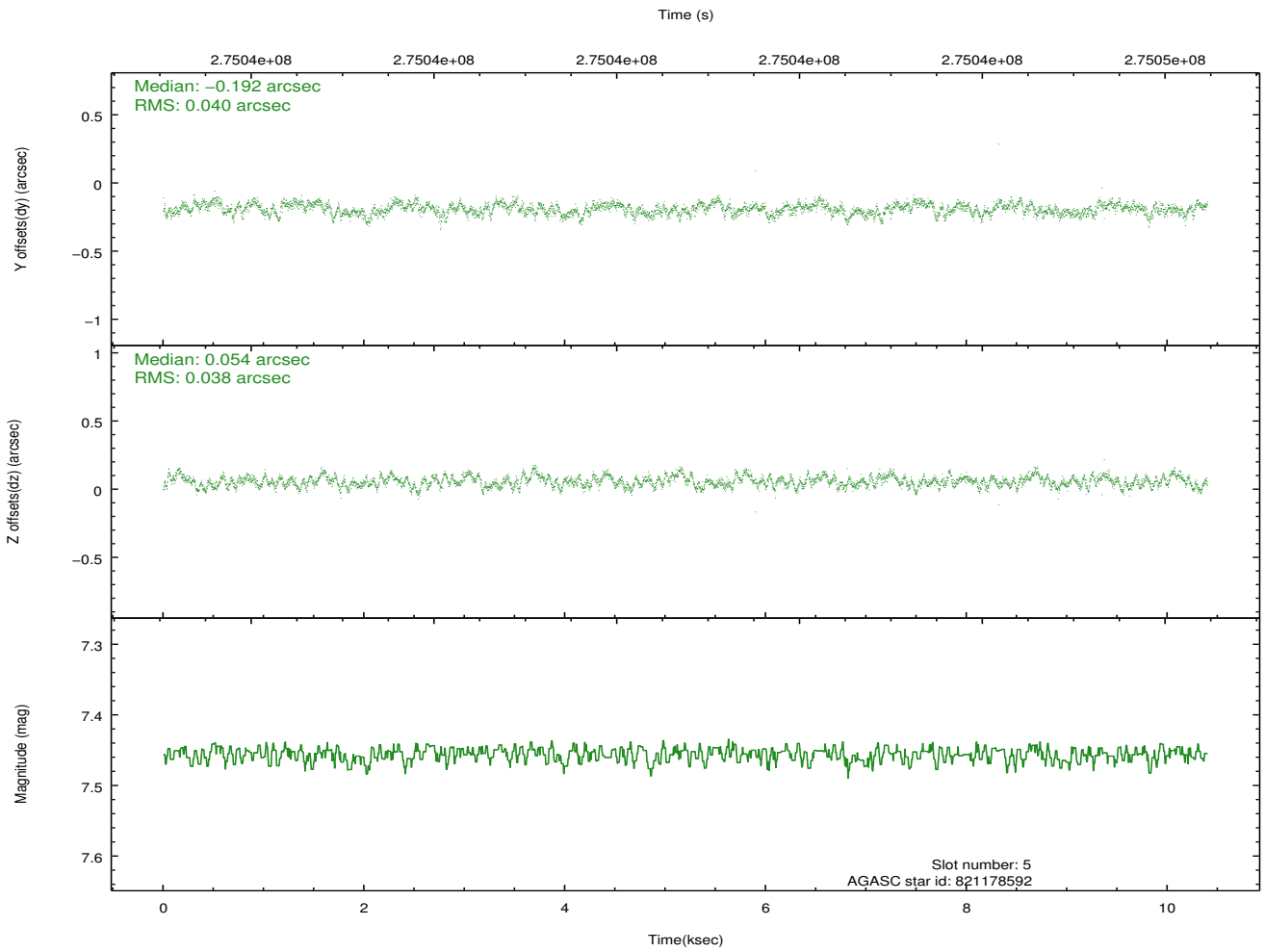
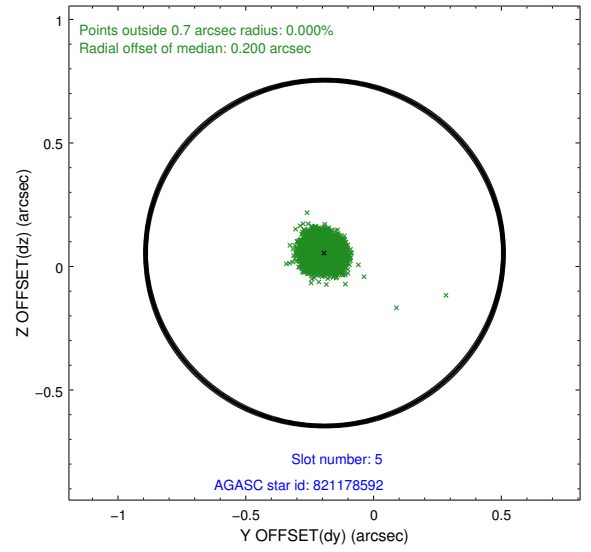
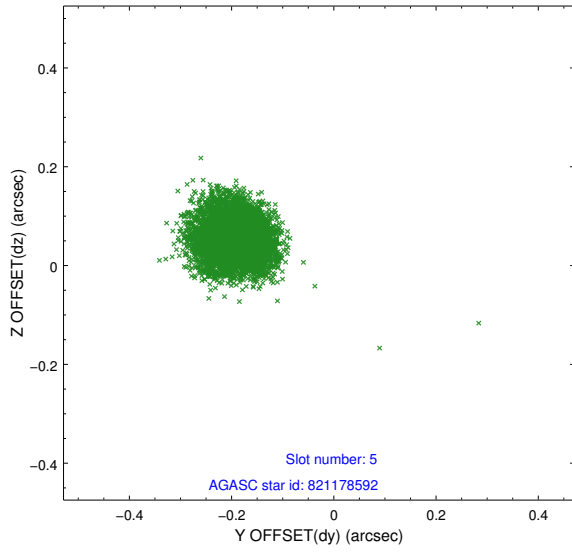
2.4.1 Slot 3



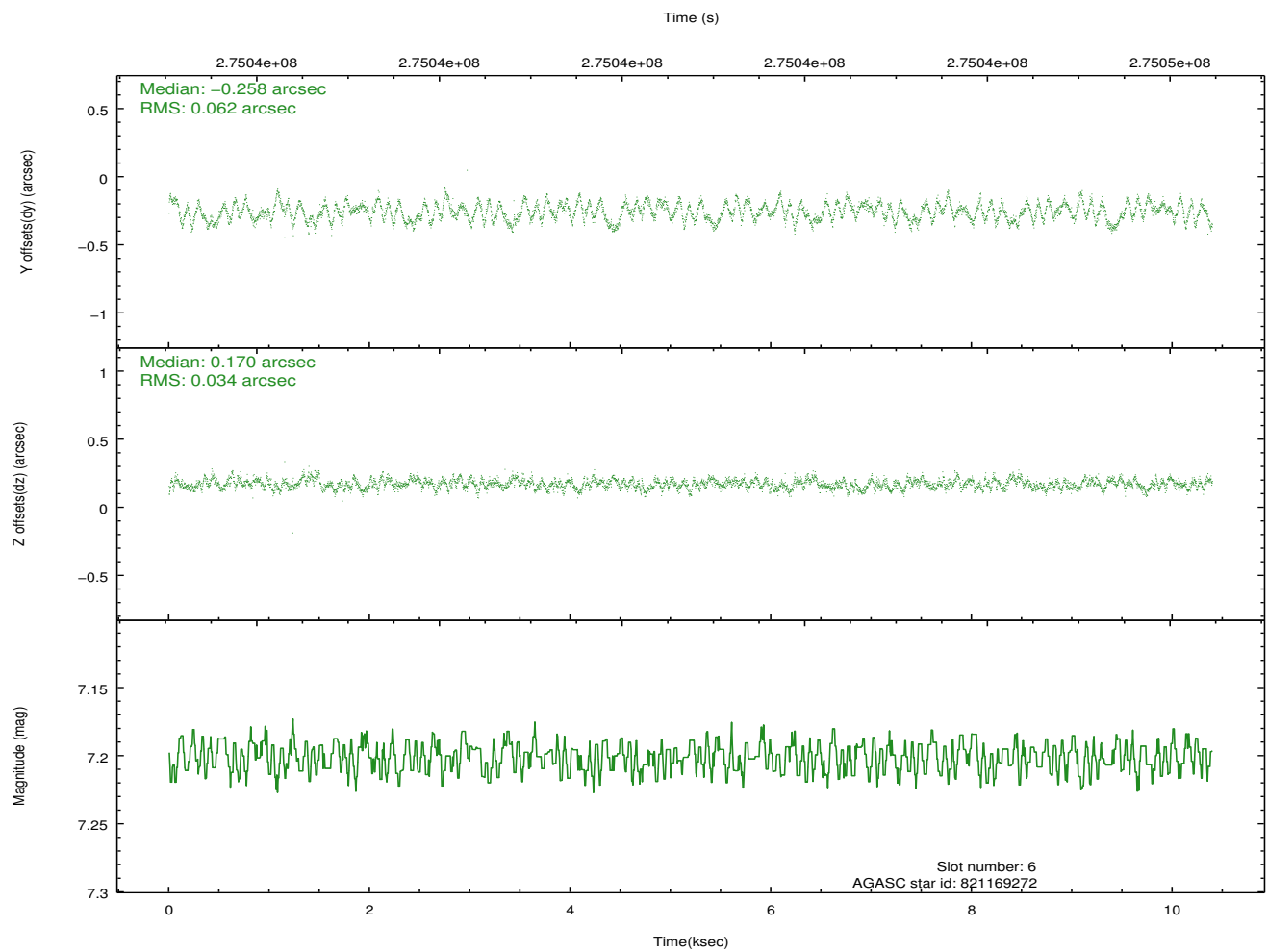
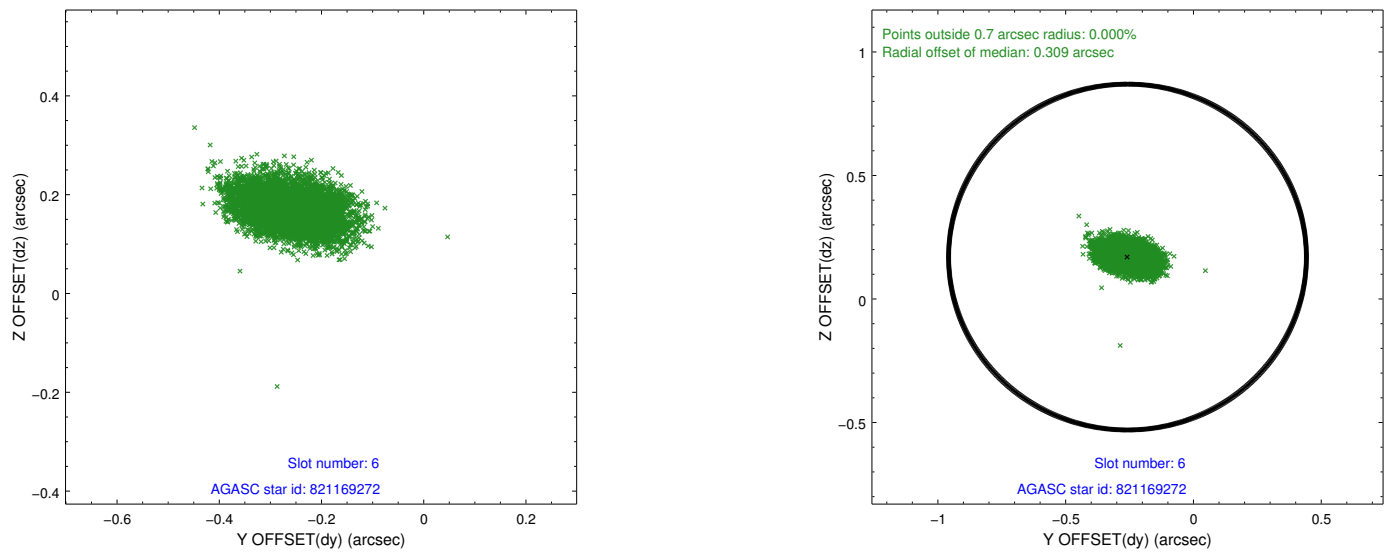
2.4.2 Slot 4



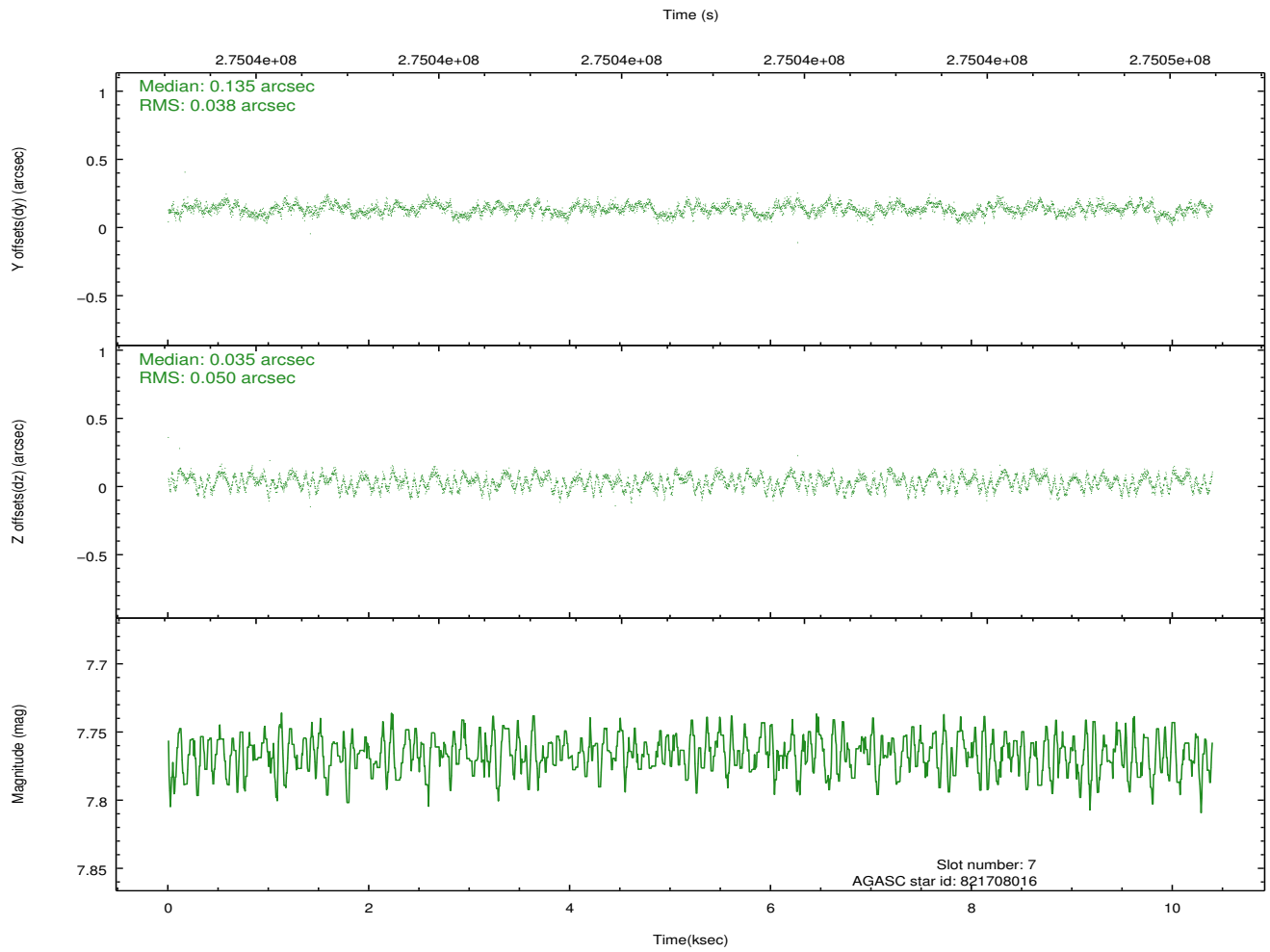
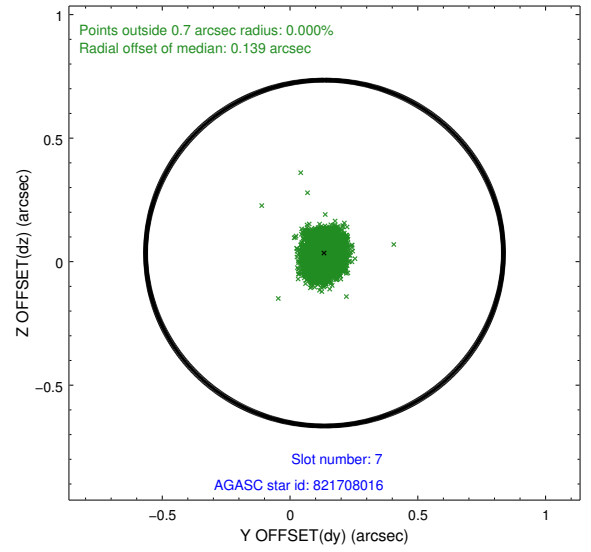
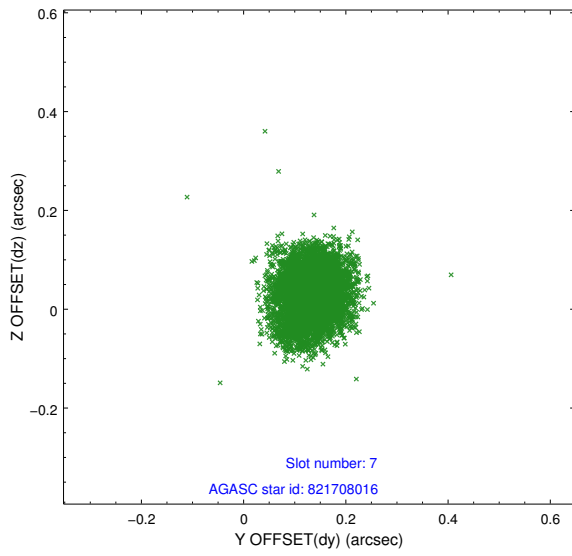
2.4.3 Slot 5



2.4.4 Slot 6

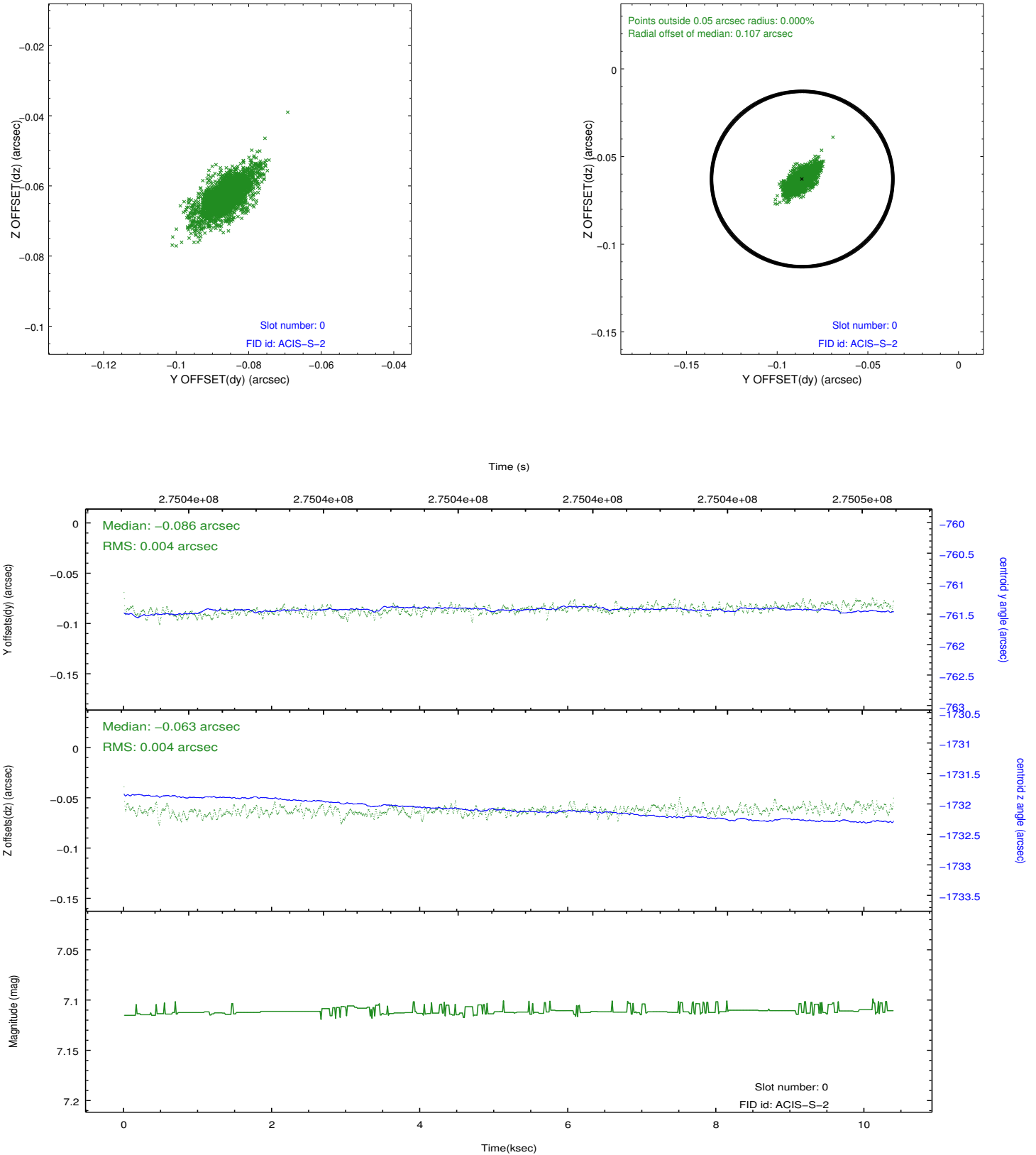


2.4.5 Slot 7

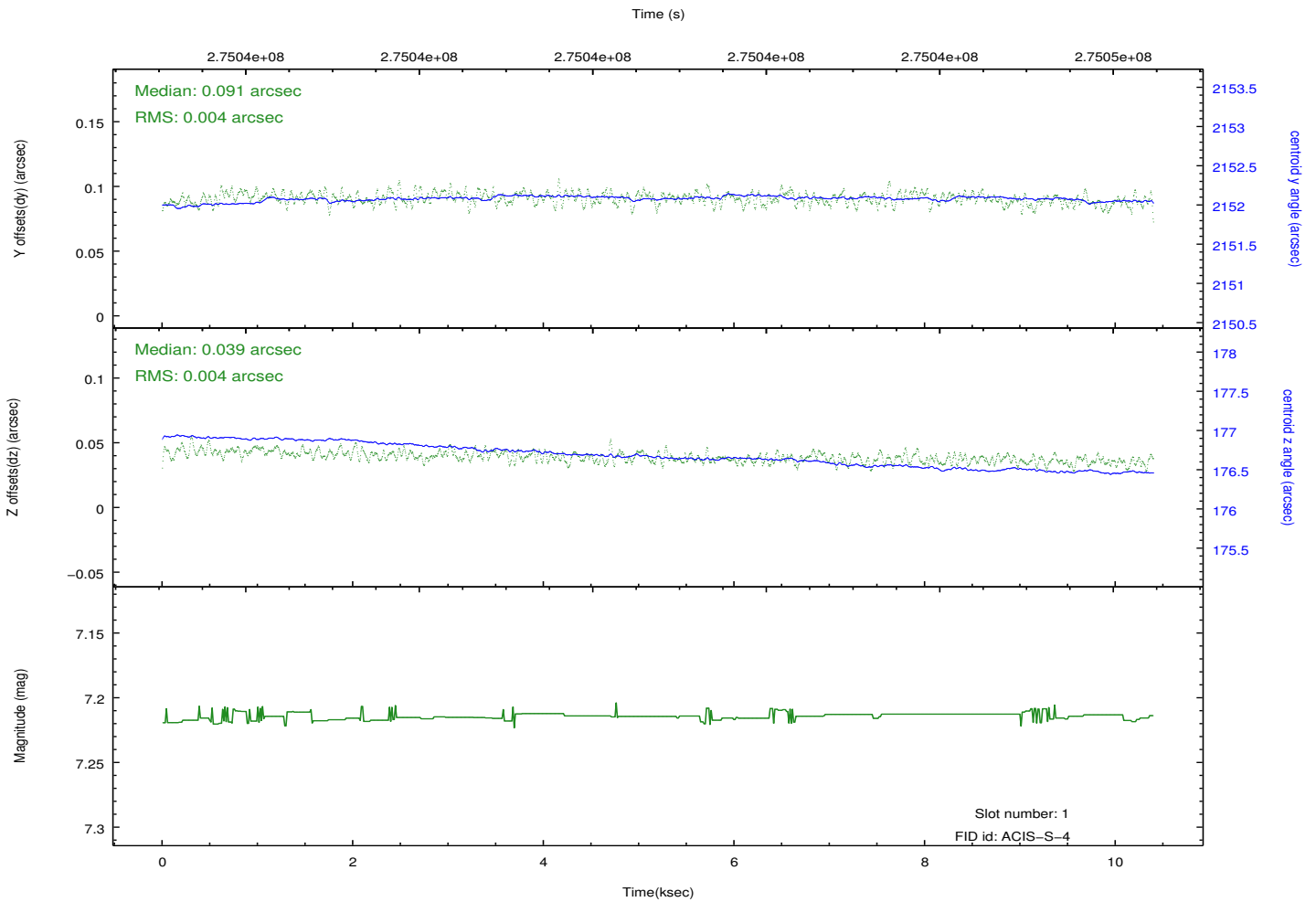
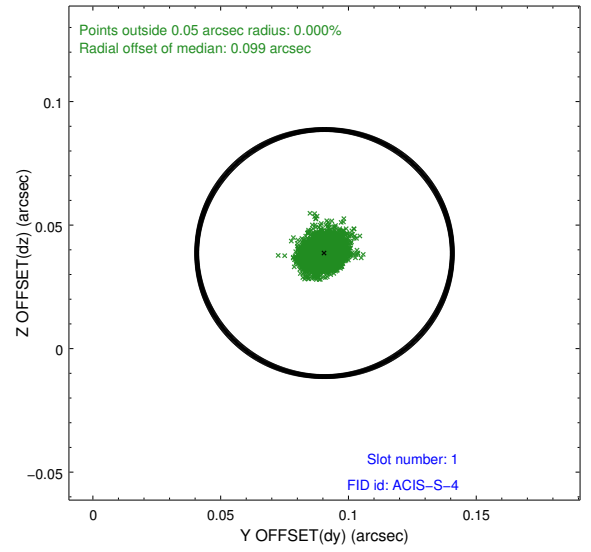
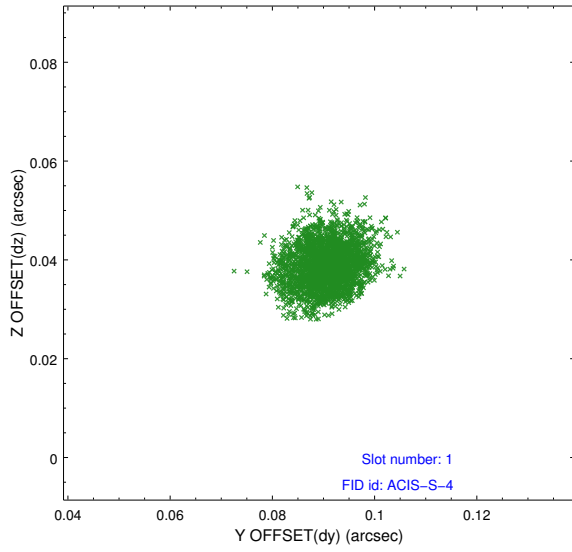


2.5 FID Slots

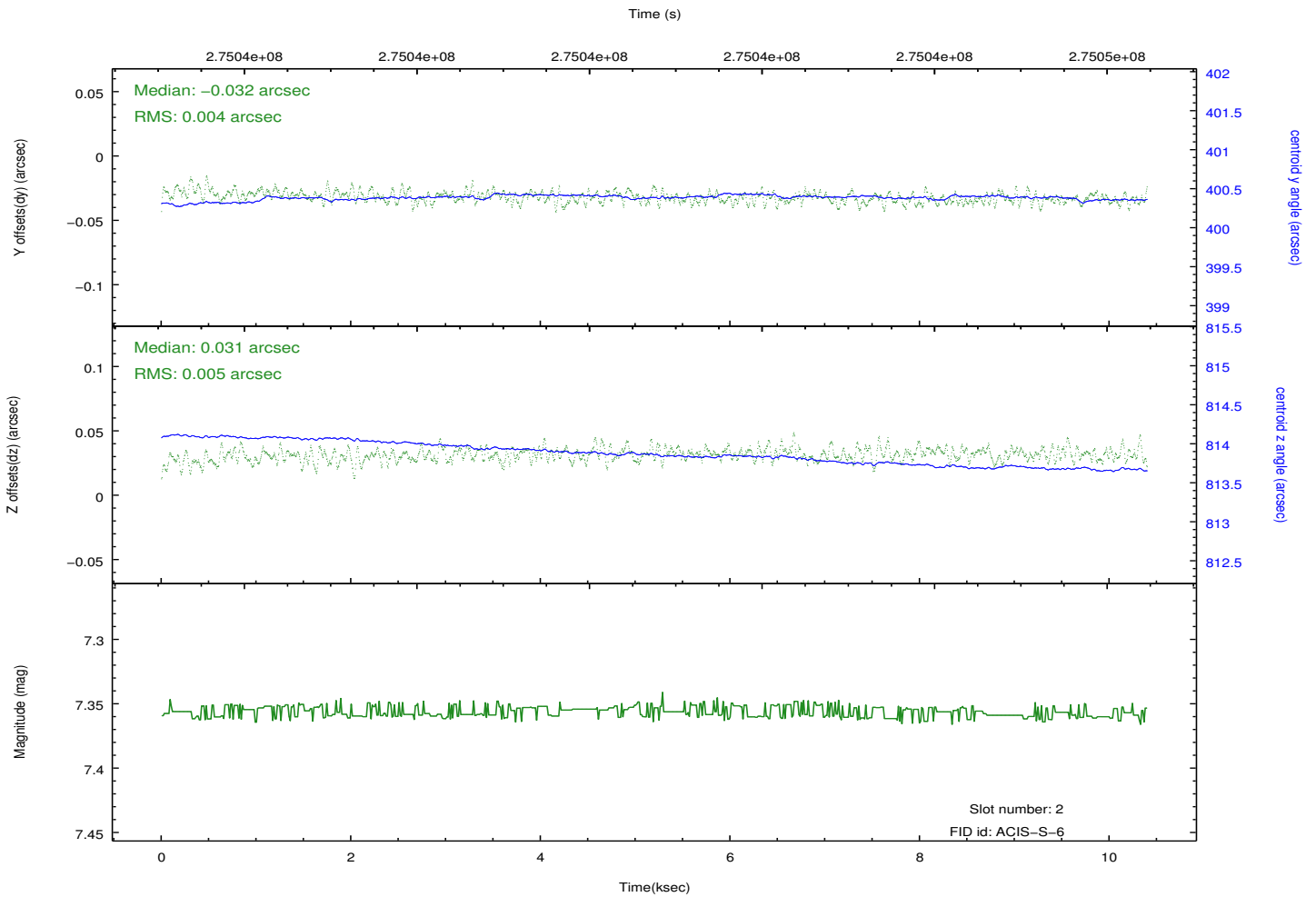
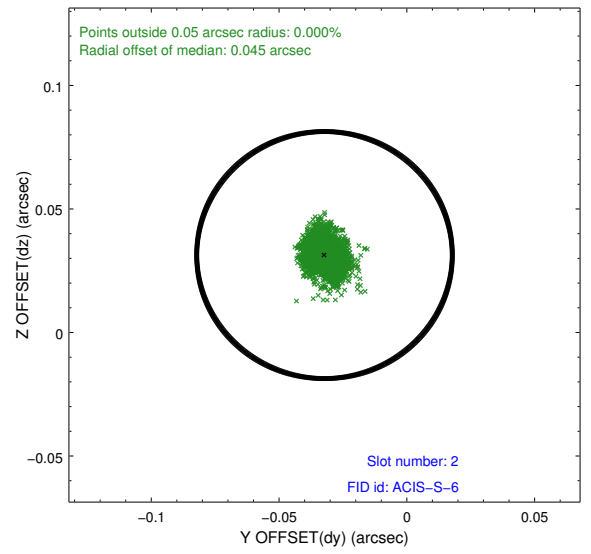
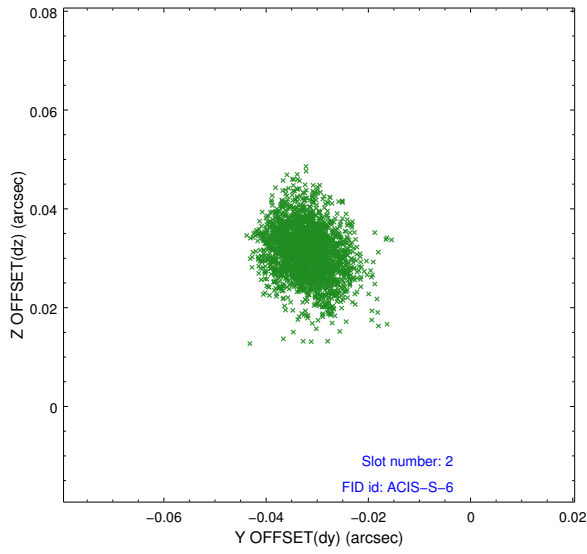
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.95519996

A.2 Comments