

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 500 - L2 Version 3
Chandra X-Ray Center

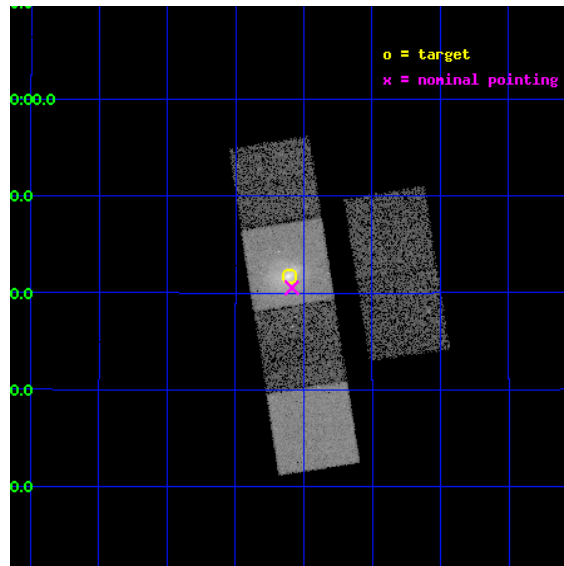
L2 Processing Date : Sep 5 2012

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1 Front

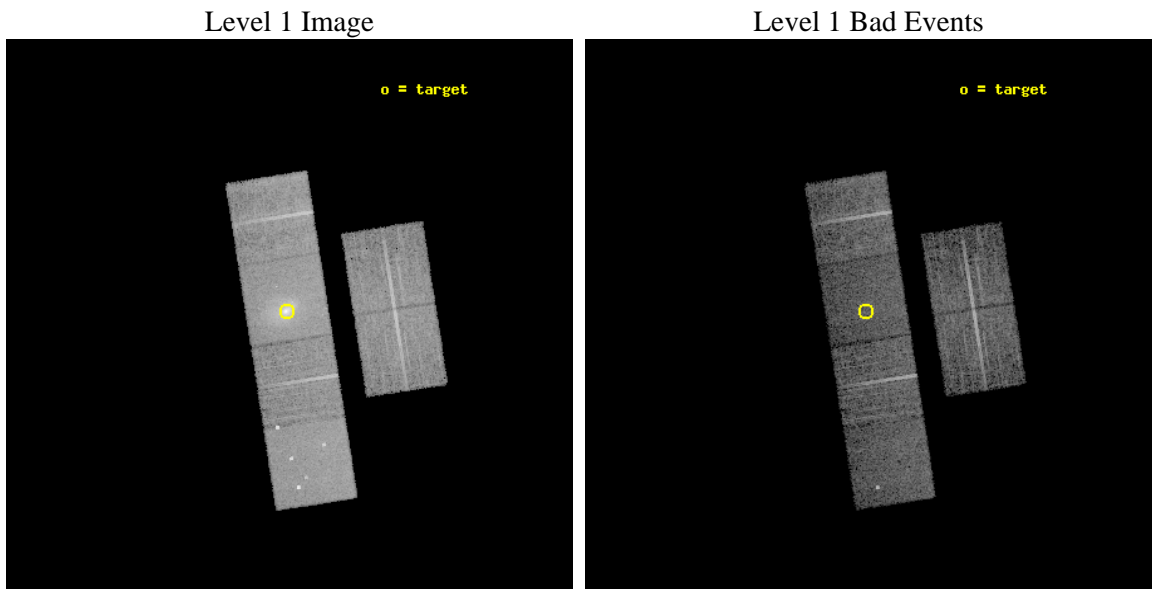
seq_num	800008	Sequence number
obs_id	500	Observation id
title	THE MASSIVE COOLING FLOW IN A2390	Proposal title
observer	Professor Andrew Fabian	Principal investigator
object	A2390	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	328.402083	Observer's specified target RA [deg]
dec_targ	17.695833	Observer's specified target Dec [deg]
ra_nom	328.39684280643	Nominal RA [deg]
dec_nom	17.675475612753	Nominal Dec [deg]
roll_nom	261.05486617351	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9952.0000092536	Sum of GTIs [s]
livetime	9825.9817927615	Livetime [s]
ontime2	9952.0000092536	Sum of GTIs [s]
ontime3	9952.0000092536	Sum of GTIs [s]
ontime5	9952.0000092536	Sum of GTIs [s]
ontime6	9952.0000092536	Sum of GTIs [s]
ontime7	9952.0000092536	Sum of GTIs [s]
ontime8	9952.0000092536	Sum of GTIs [s]
l2events	116755	Number of level 2 events



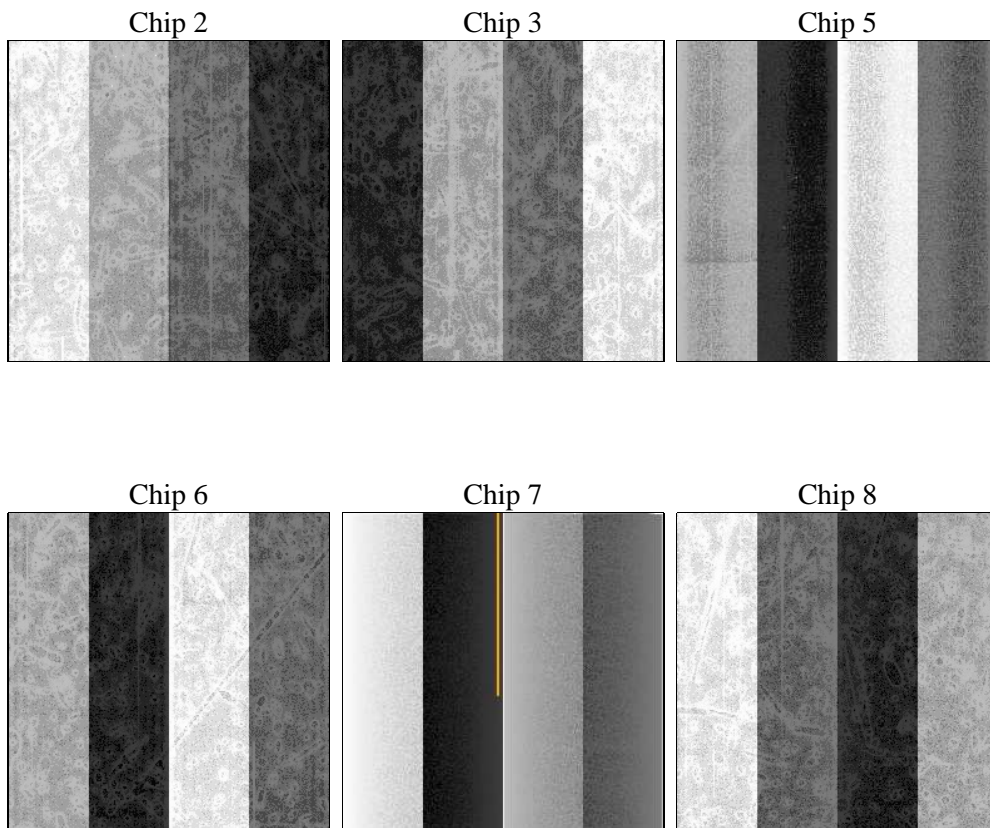
2 OBI

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	8.4.5	Processing system revision	ontime	9952.0000092536	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	9952.0000092536	Sum of GTIs [s]
date	2012-09-05T10:46:25	Date and time of file creation	ontime3	9952.0000092536	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9952.0000092536	Sum of GTIs [s]
			ontime6	9952.0000092536	Sum of GTIs [s]
			ontime7	9952.0000092536	Sum of GTIs [s]
			ontime8	9952.0000092536	Sum of GTIs [s]
			l1events	440729	Number of level 1 events

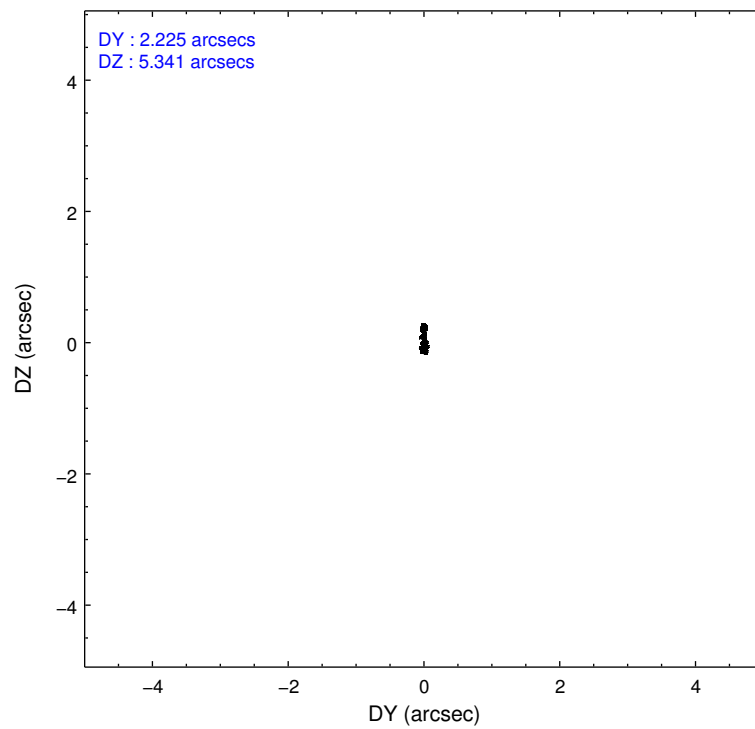
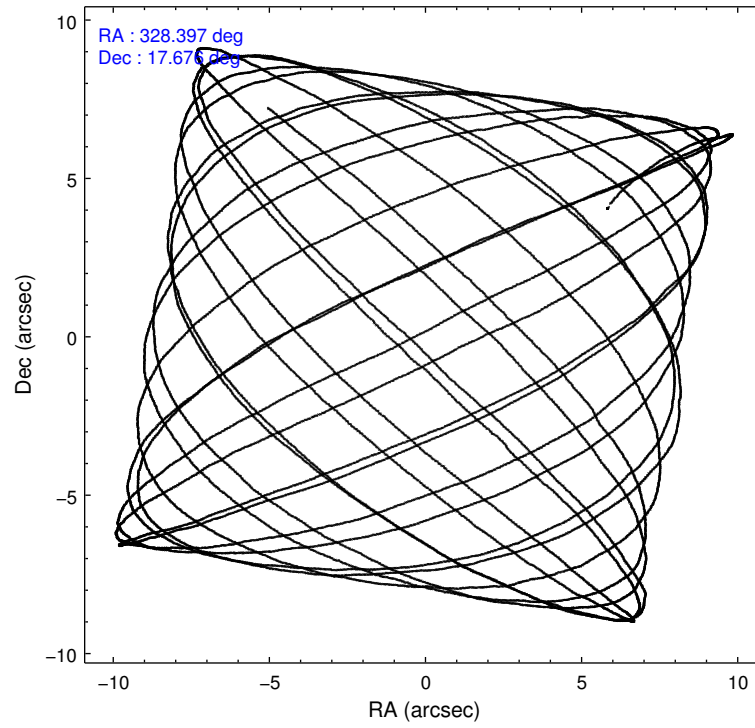
2.1.4 Events

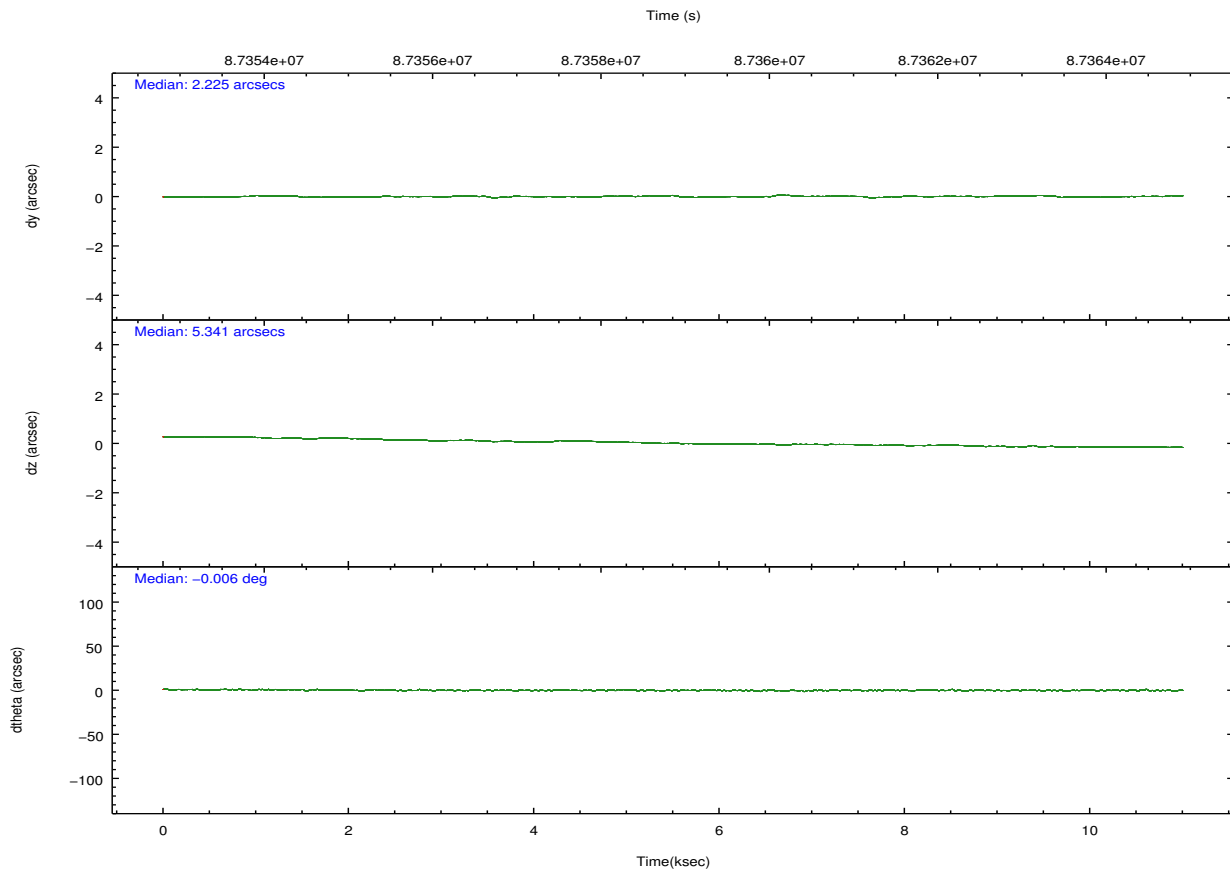
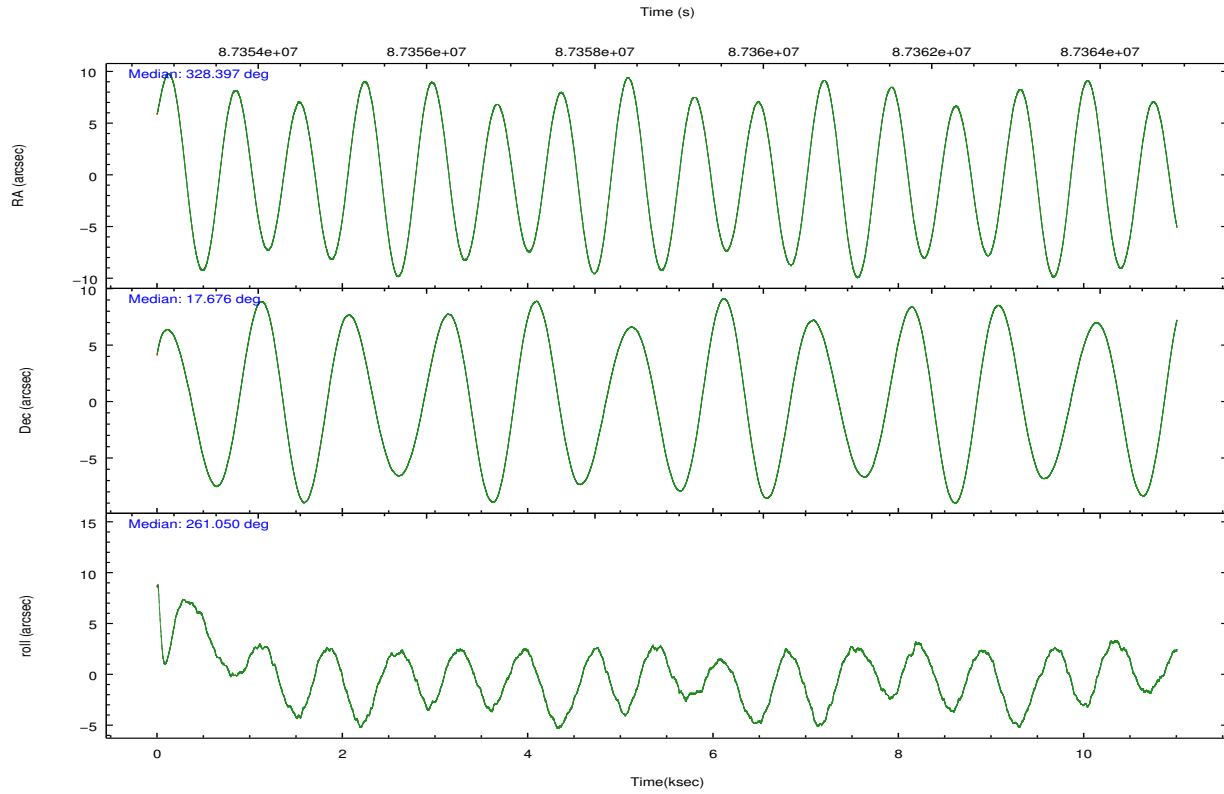
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	61225	57560	85038	61030	101258	74618	grade 0 events	2782	2841	6428	3414	11319	4510
rejected events	54647	50999	44339	53458	42677	60375		4%	4%	7%	5%	11%	6%
rejected %	89%	88%	52%	87%	42%	80%	grade 1 events	32	23	105	25	82	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	1364	1218	11455	1442	13215	3083
								2%	2%	13%	2%	13%	4%
							grade 3 events	646	661	1897	678	6119	1545
								1%	1%	2%	1%	6%	2%
							grade 4 events	654	674	1692	741	6137	1419
								1%	1%	1%	1%	6%	1%
							grade 5 events	2060	2195	6315	2351	7264	3017
								3%	3%	7%	3%	7%	4%
							grade 6 events	1132	1167	19245	1301	21811	3687
								1%	2%	22%	2%	21%	4%
							grade 7 events	52555	48781	37901	51078	35311	57321
								85%	84%	44%	83%	34%	76%

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	328.386286	328.3968428064319	Subarray requested	NONE	NONE
[deg] Pointing Dec	17.700939	17.67547561275254	Alternating exposures requested	N	N
[deg] Pointing Roll	260.901441	261.0548661735069	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	87354359.184000	87352994.772			
Observation start date	2000-10-08T01:04:55	2000-10-08T00:43:14			
[s] Observation end time (MET)	87364359.184000	87365202.522461			
Observation end date	2000-10-08T03:51:35	2000-10-08T04:06:42			
Read mode	TIMED	TIMED			

2.3 Aspect



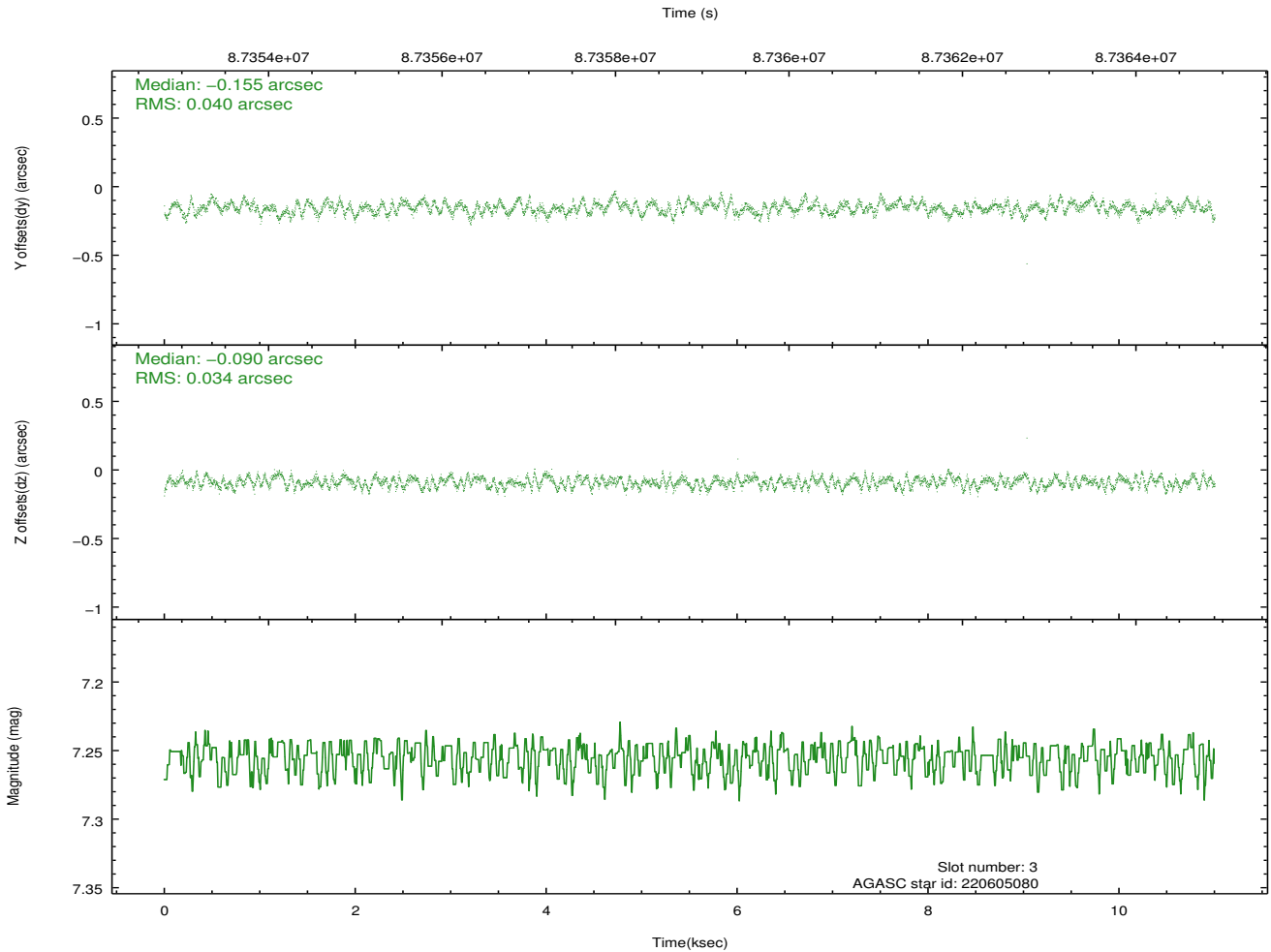
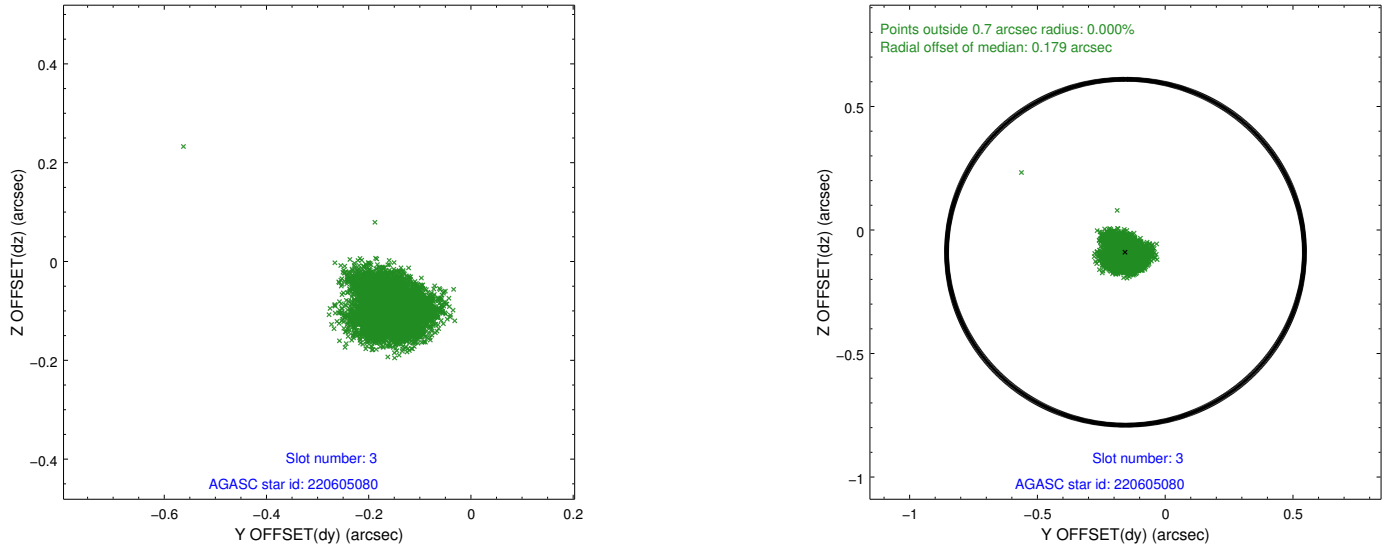


Slot Statistics

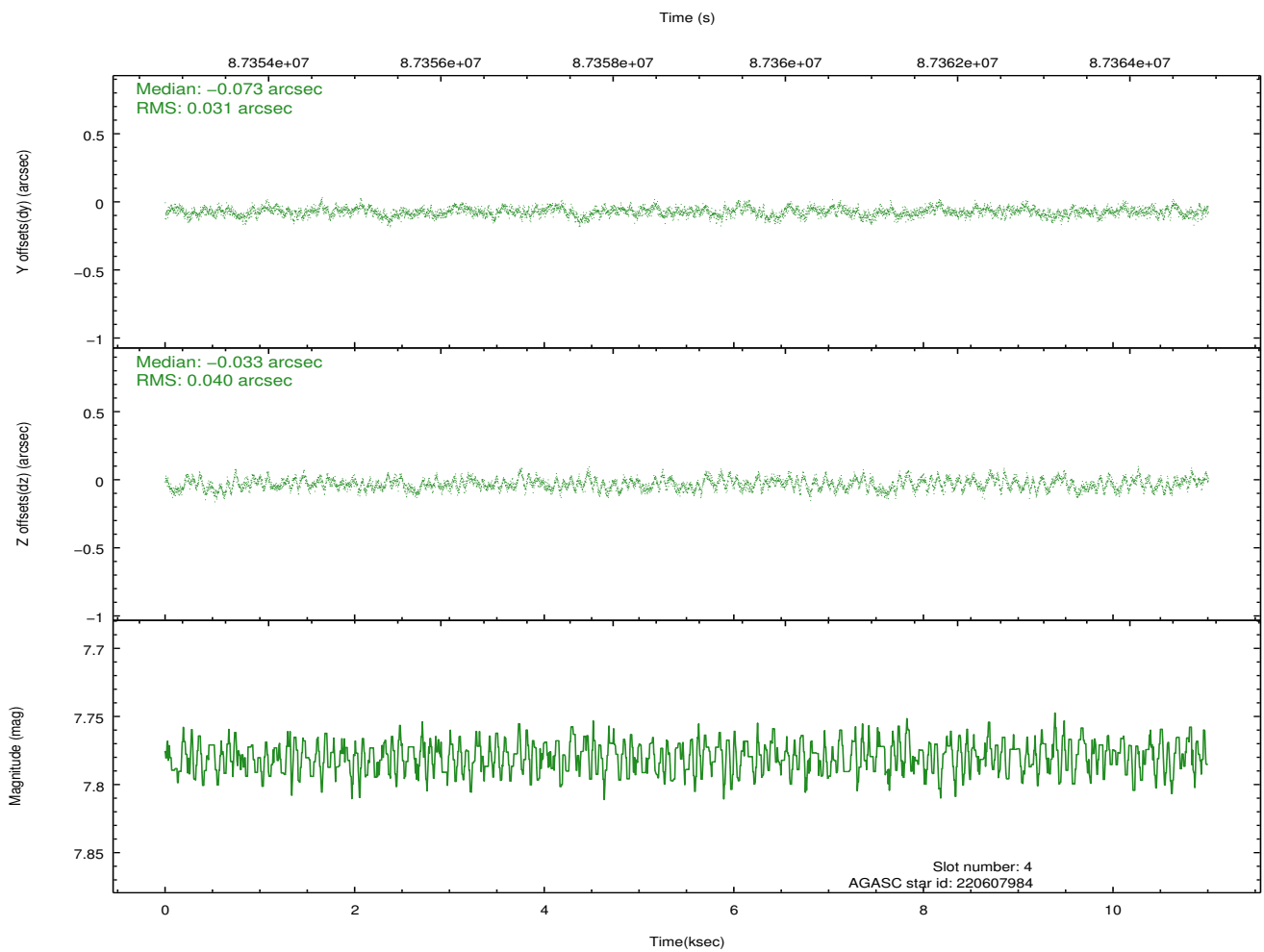
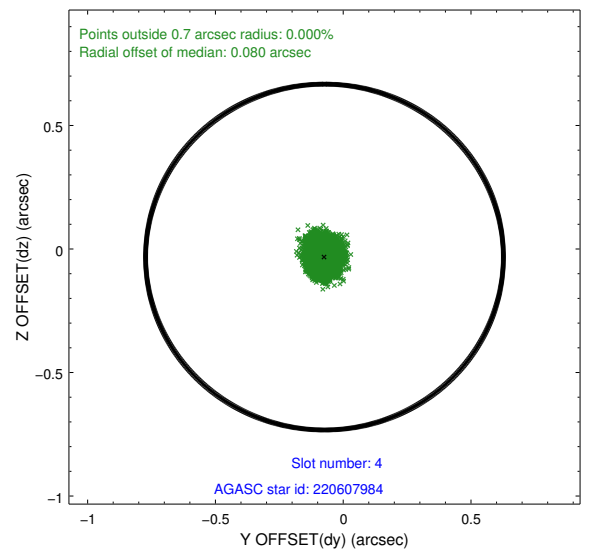
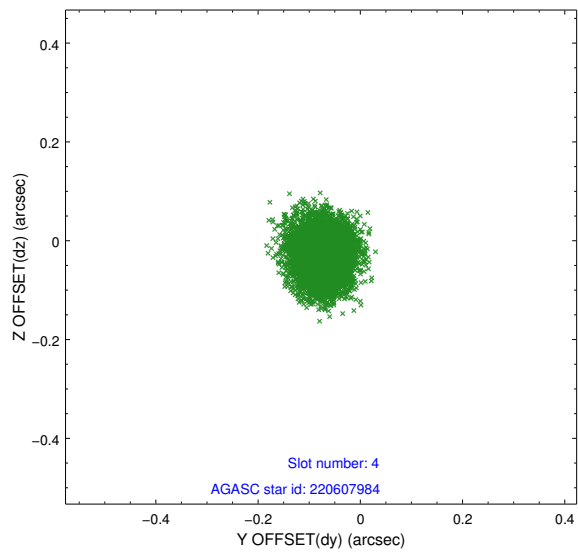
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	2685	-0.007	-0.011	0.010	0.019	0.000000	0.000000	941.21	-1722.07
1	FID	ACIS-S-5	7.24	2685	0.006	0.004	0.006	0.010	0.000000	0.000000	-1807.54	174.99
2	FID	ACIS-S-6	7.35	2685	-0.021	0.018	0.012	0.021	0.000000	0.000000	406.21	819.52
3	GUIDE	220605080	7.25	5369	-0.155	-0.090	0.056	0.088	328.570760	18.022857	-1244.36	439.79
4	GUIDE	220607984	7.78	5369	-0.073	-0.033	0.055	0.086	328.266670	17.903928	-656.87	-520.43
5	GUIDE	220604480	8.50	5368	-0.022	0.075	0.065	0.103	328.811996	18.002482	-1303.96	1266.86
6	GUIDE	218897456	8.89	5368	0.119	-0.066	0.086	0.133	327.959264	17.146658	2201.28	-1135.16
7	GUIDE	220595632	9.30	5367	0.129	0.110	0.100	0.164	328.930788	17.108977	1806.07	2186.34

2.4 Star Slots

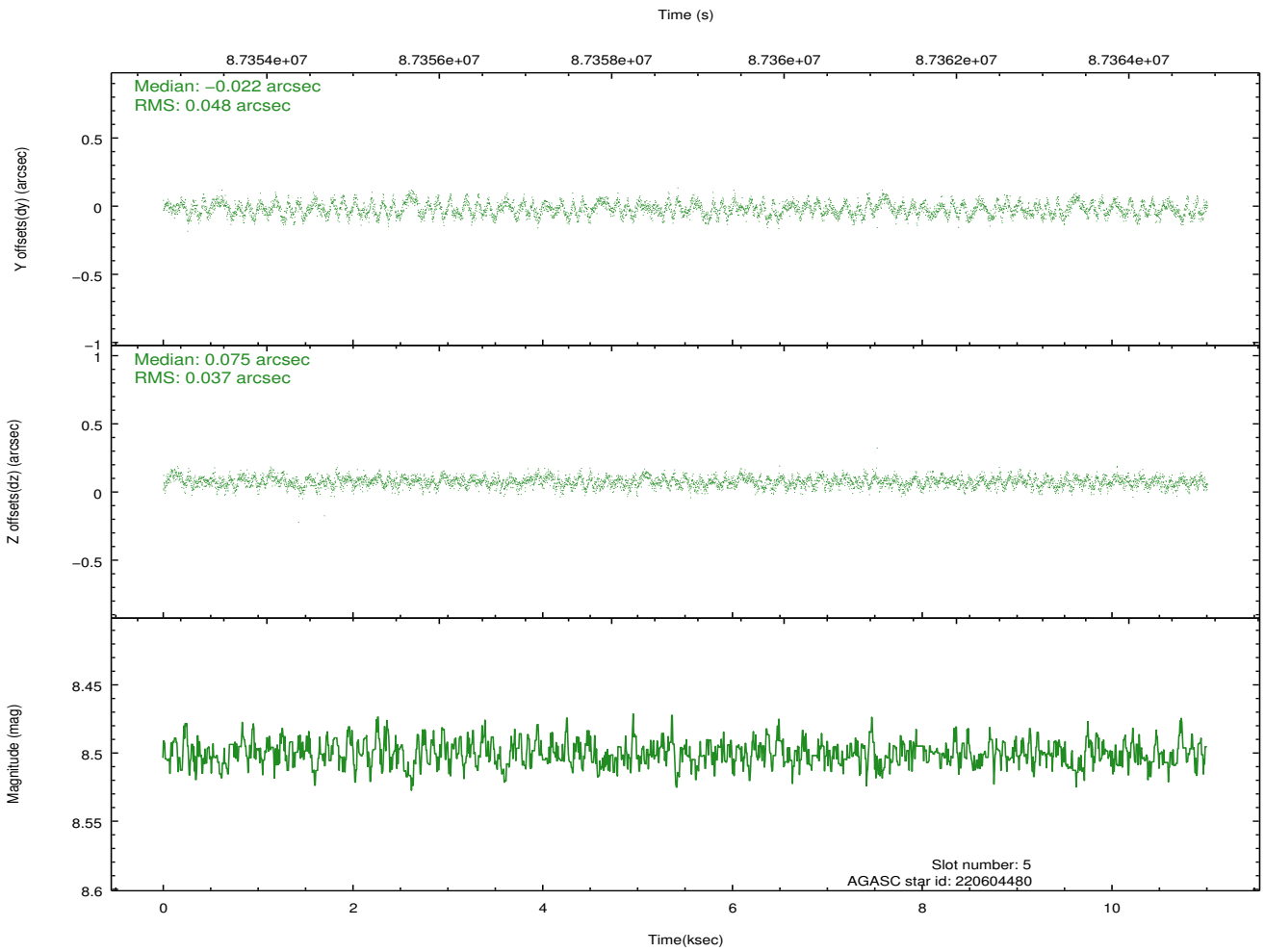
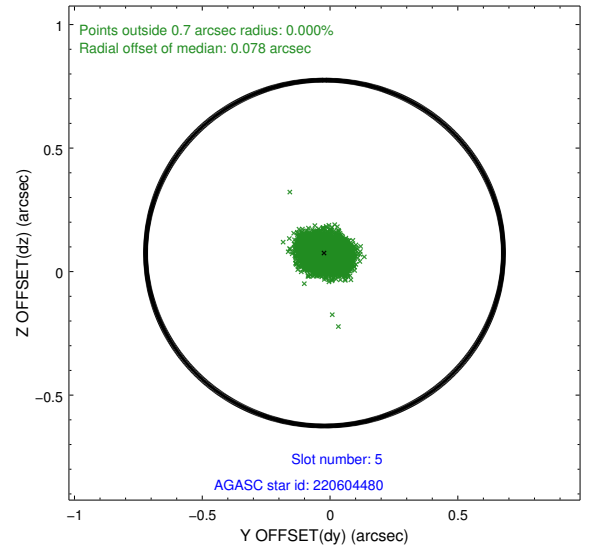
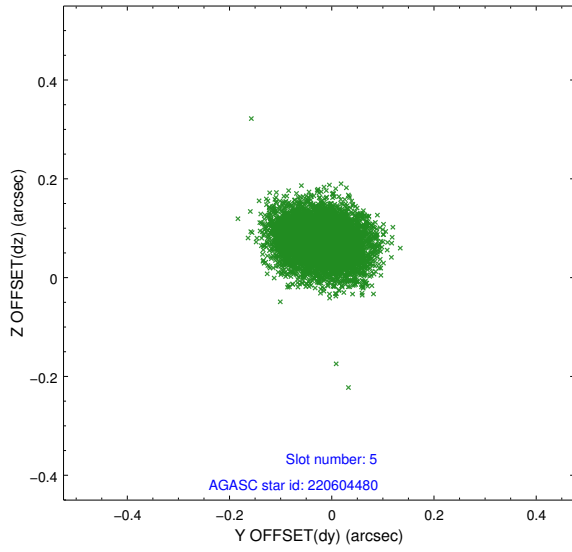
2.4.1 Slot 3



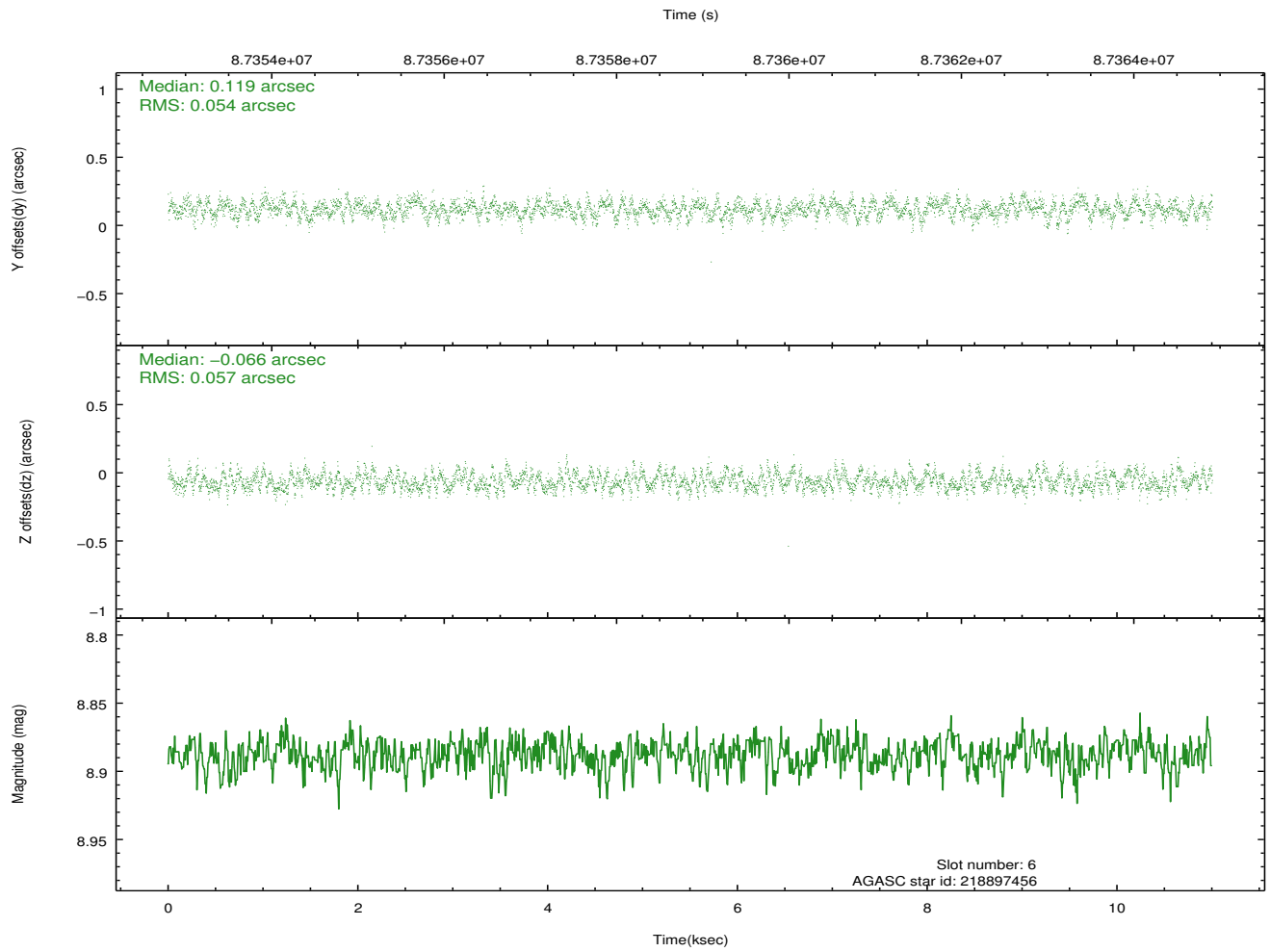
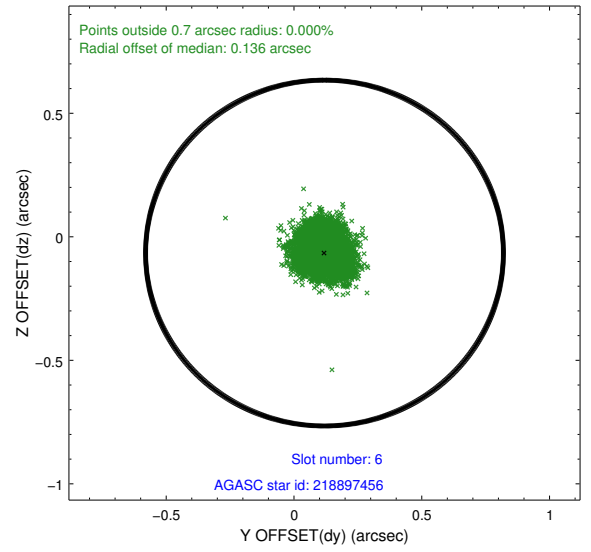
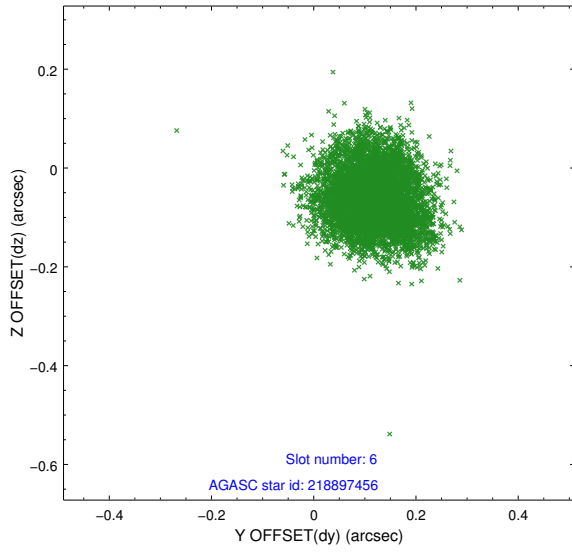
2.4.2 Slot 4



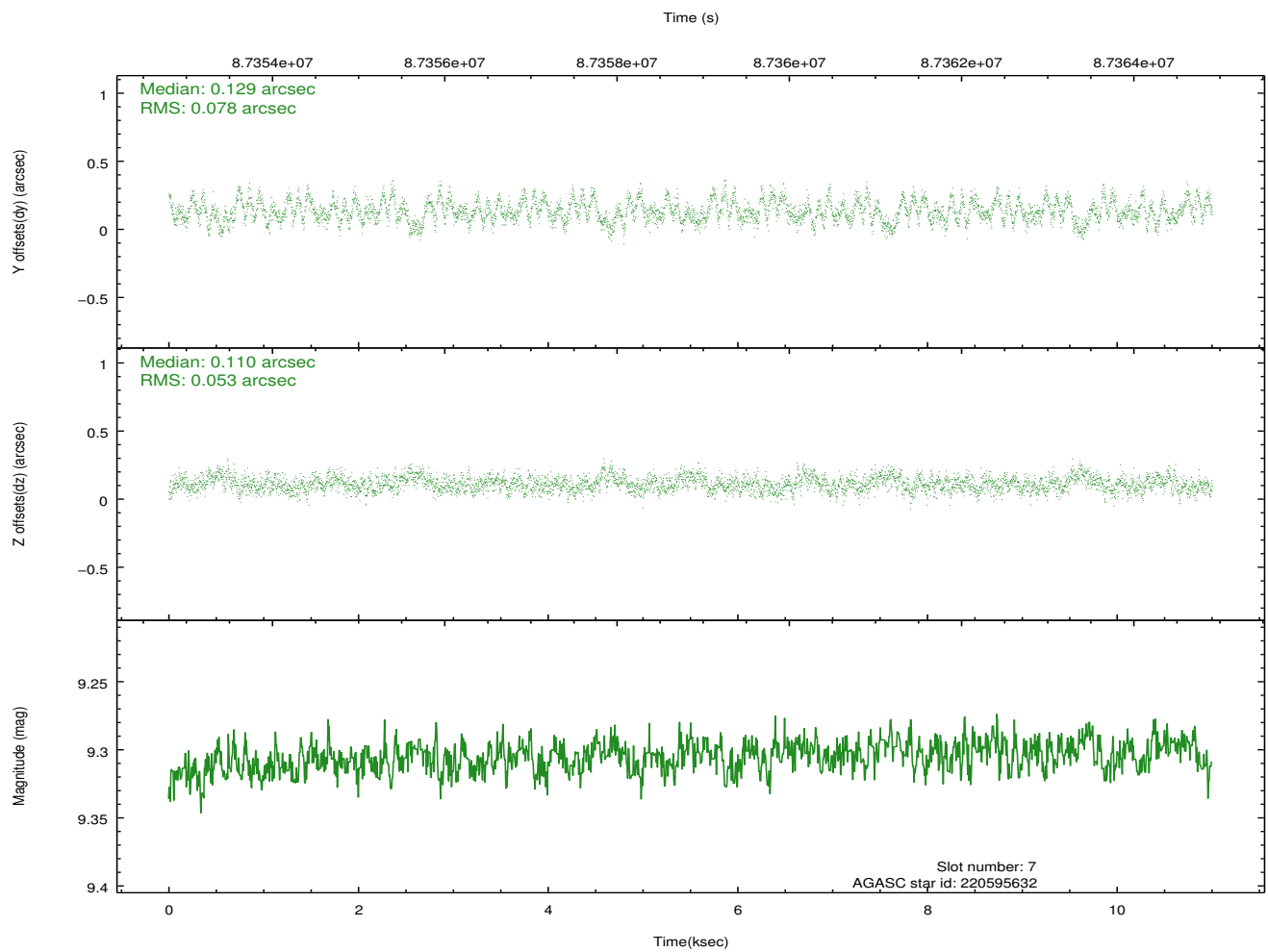
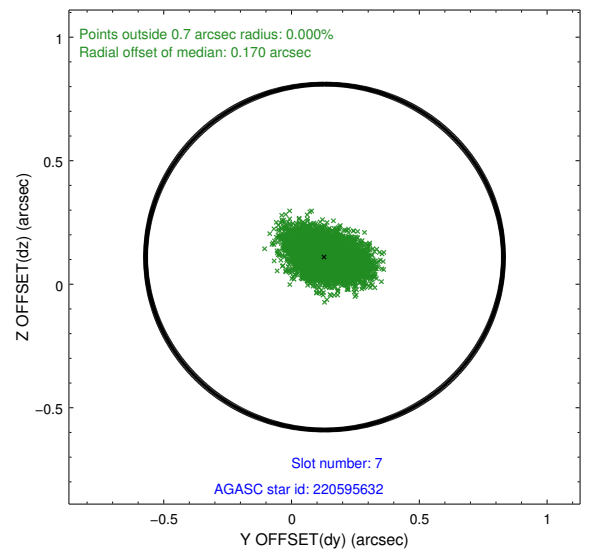
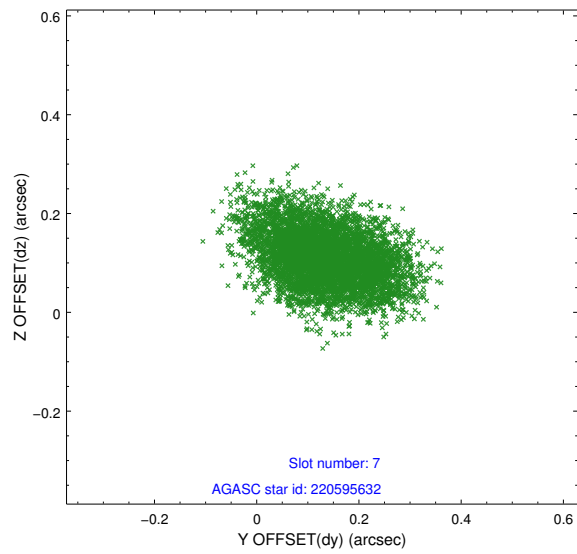
2.4.3 Slot 5



2.4.4 Slot 6

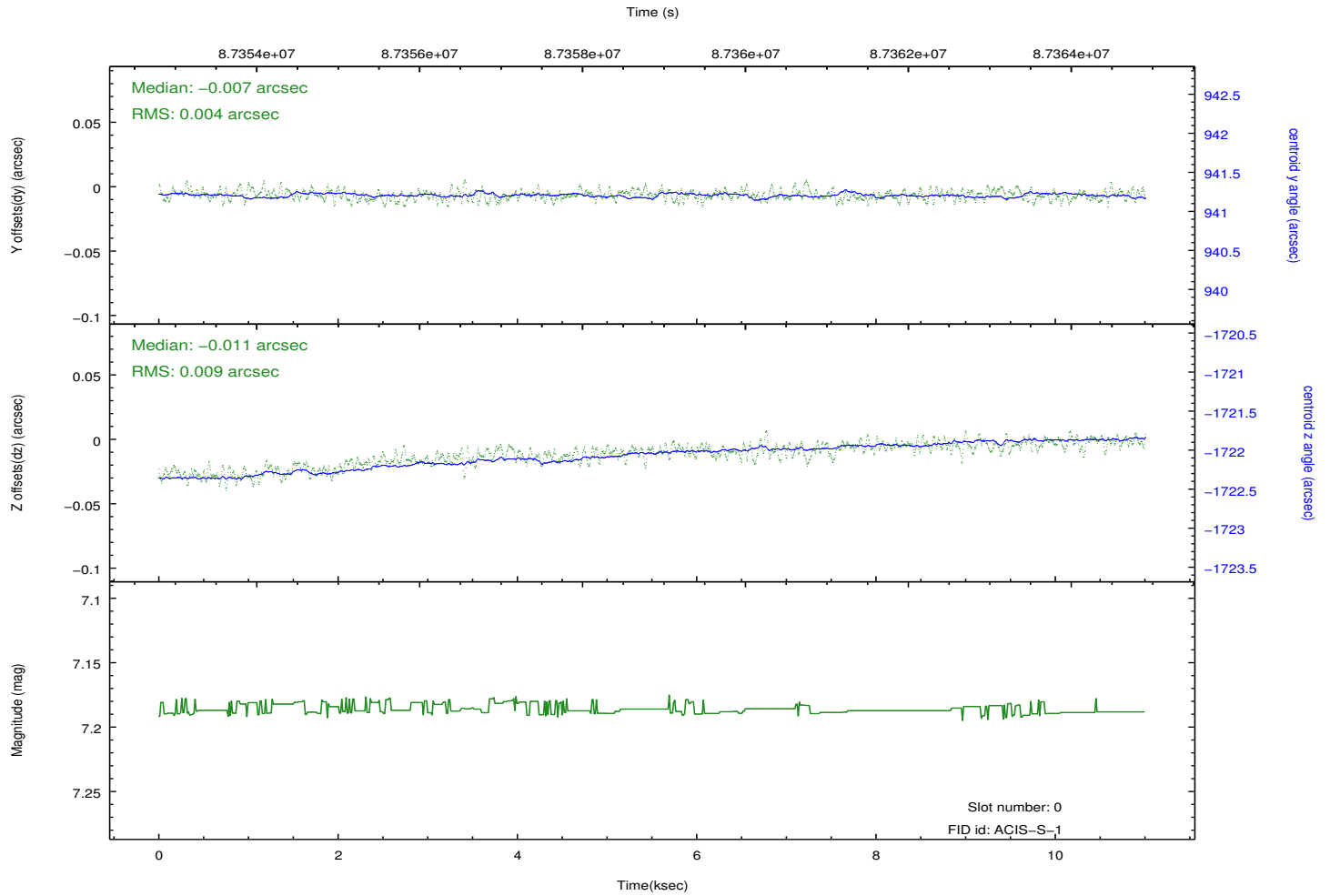
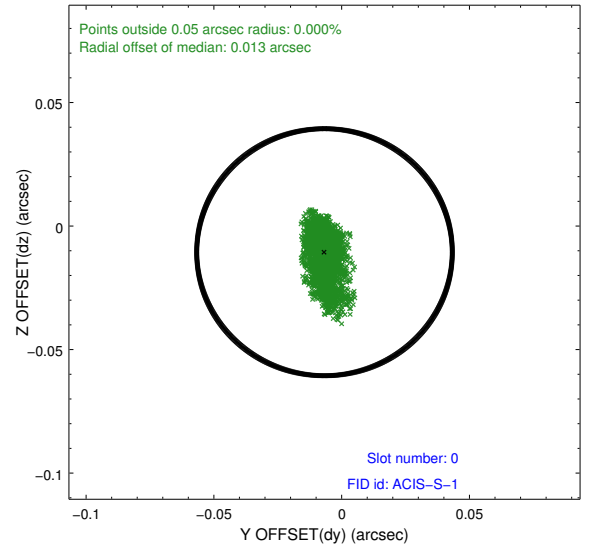
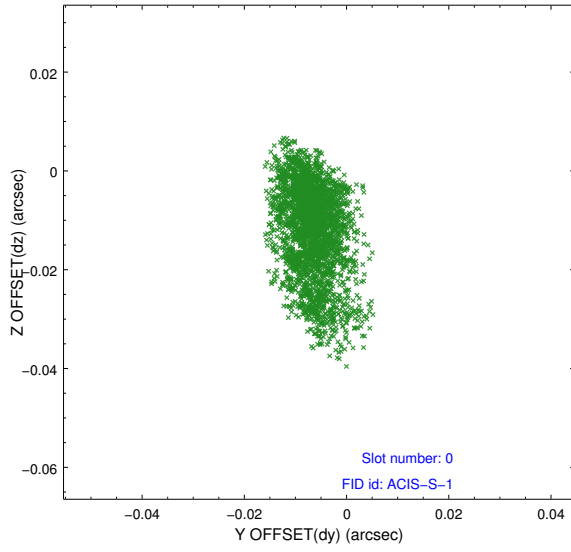


2.4.5 Slot 7

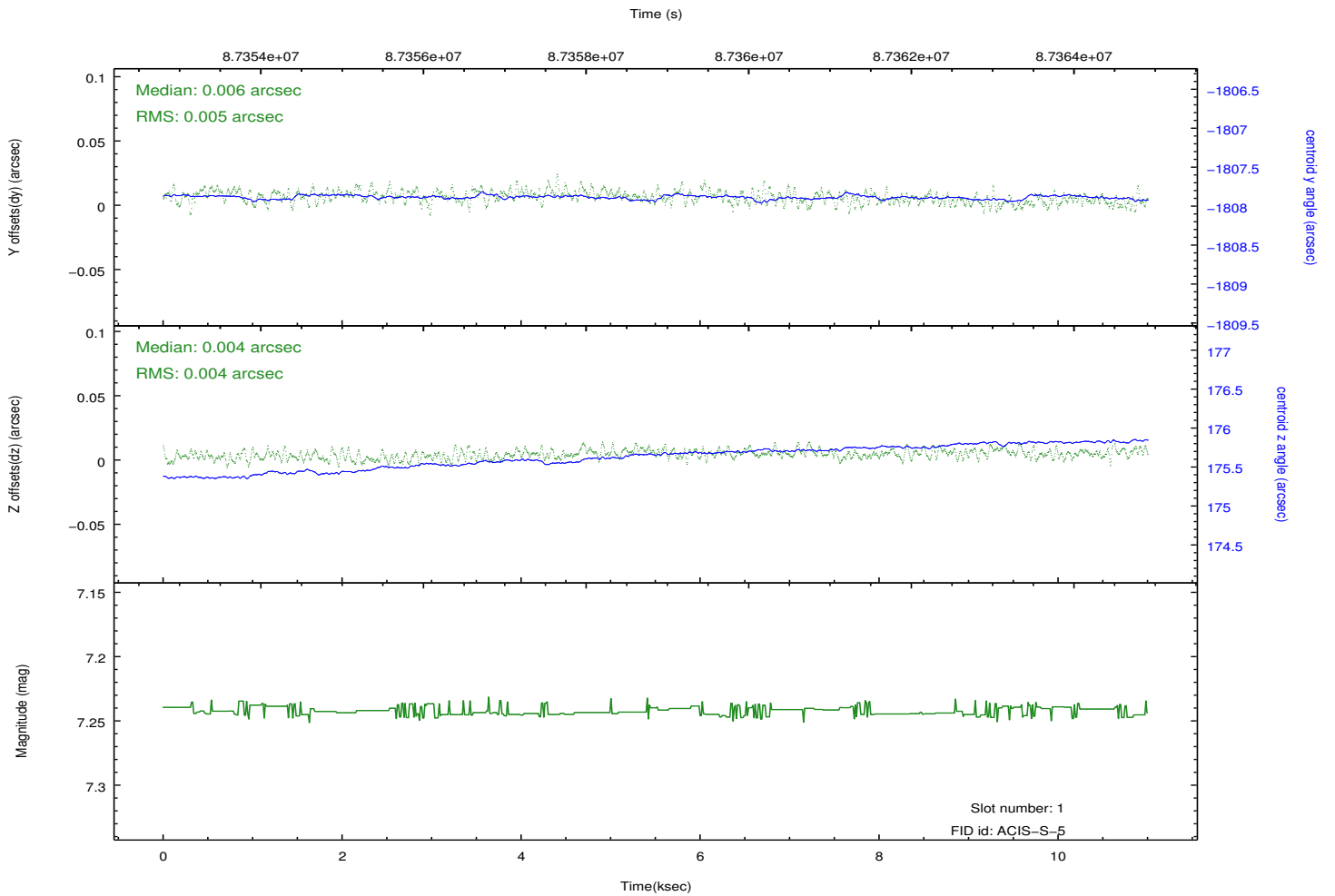
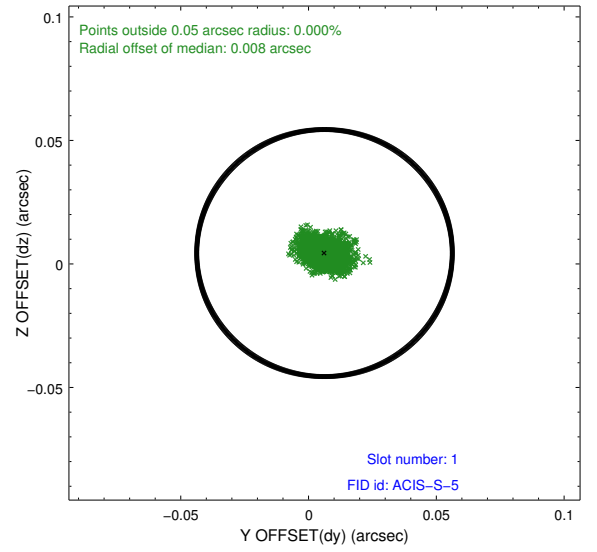
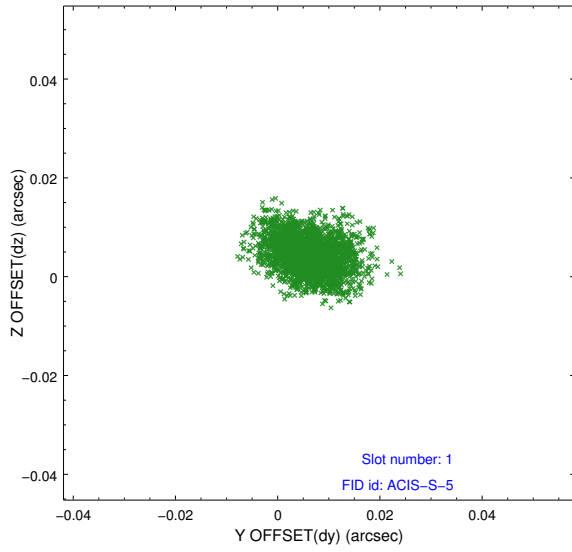


2.5 FID Slots

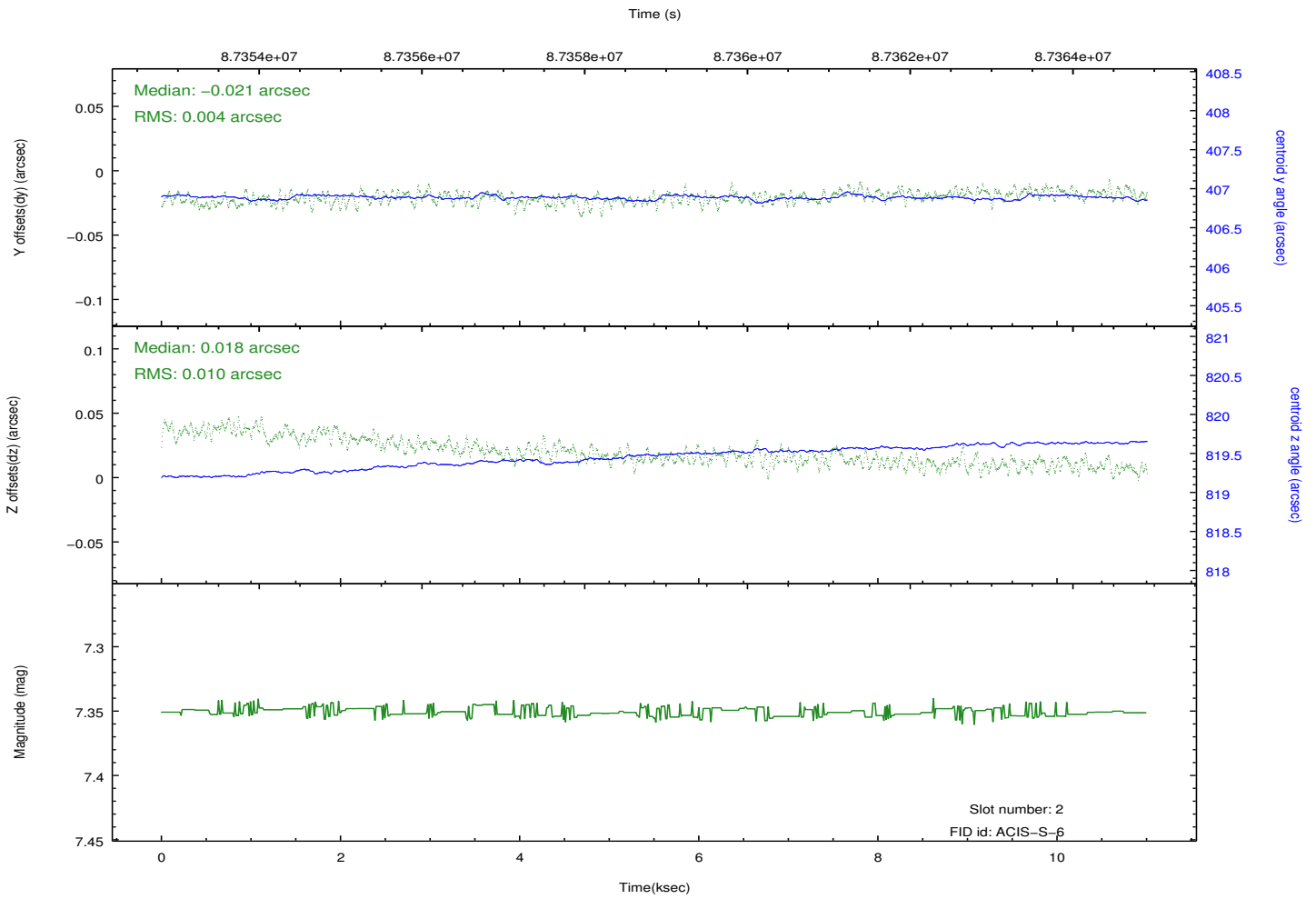
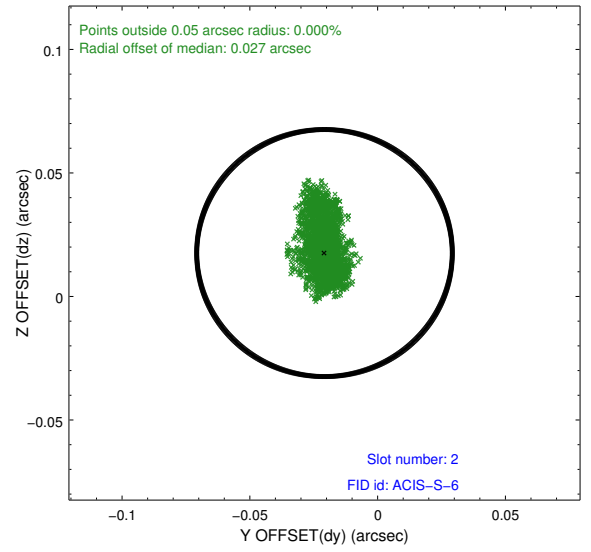
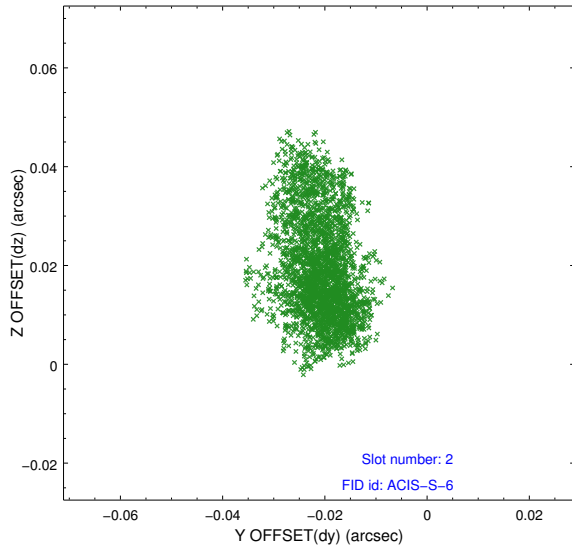
2.5.1 Slot 0



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)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.955

A.2 Comments