

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2851 - L2 Version 3
Chandra X-Ray Center

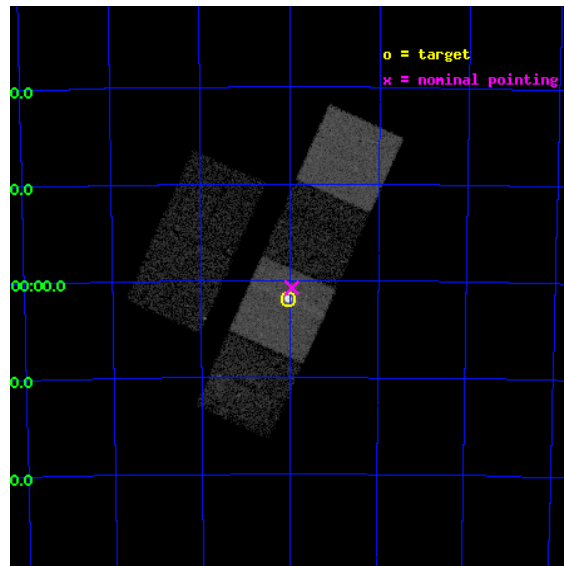
L2 Processing Date : Oct 9 2012

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1 Front

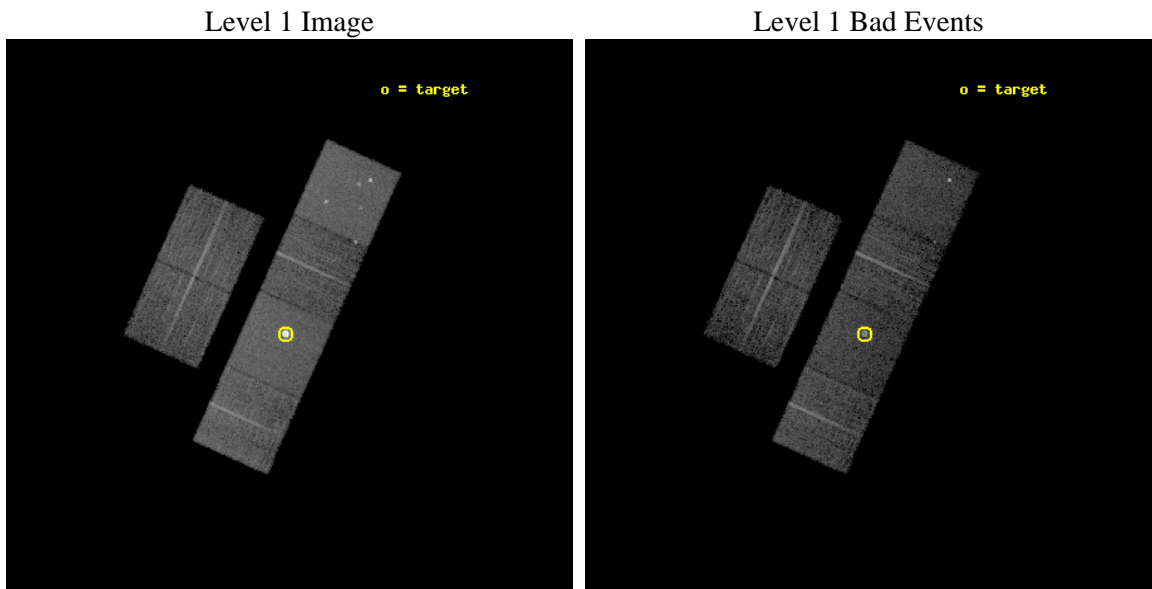
seq_num	590240	Sequence number
obs_id	2851	Observation id
title	AO3B ACIS-S CALIBRATION OBSERVATIONS OF E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S3, T=120, Offsets=-1,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.987482235403	Nominal RA [deg]
dec_nom	-72.012425627617	Nominal Dec [deg]
roll_nom	114.21181973722	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7654.3999714851	Sum of GTIs [s]
livetime	7557.4753501199	Livetime [s]
ontime2	7651.159011215	Sum of GTIs [s]
ontime3	7654.3999714851	Sum of GTIs [s]
ontime5	7654.3999714851	Sum of GTIs [s]
ontime6	7654.3999714851	Sum of GTIs [s]
ontime7	7654.3999714851	Sum of GTIs [s]
ontime8	7651.1590311229	Sum of GTIs [s]
l2events	134832	Number of level 2 events



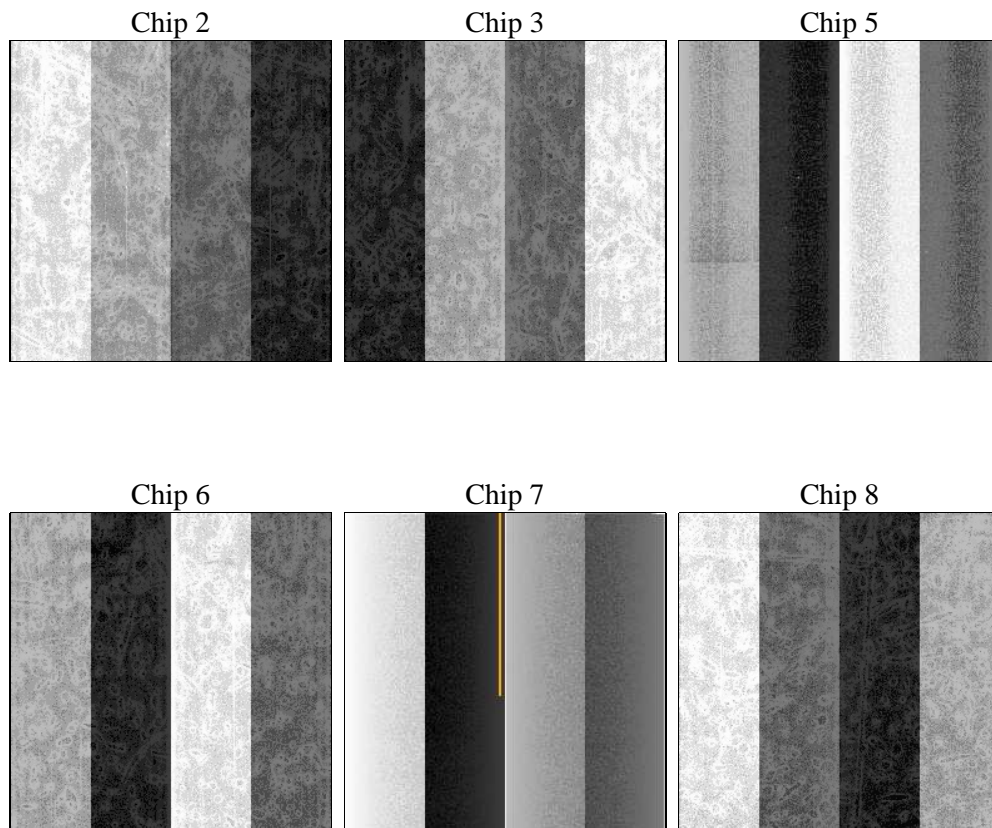
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7654.3999714851	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	7651.159011215	Sum of GTIs [s]
date	2012-10-10T00:36:19	Date and time of file creation	ontime3	7654.3999714851	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	7654.3999714851	Sum of GTIs [s]
			ontime6	7654.3999714851	Sum of GTIs [s]
			ontime7	7654.3999714851	Sum of GTIs [s]
			ontime8	7651.1590311229	Sum of GTIs [s]
			l1events	408444	Number of level 1 events

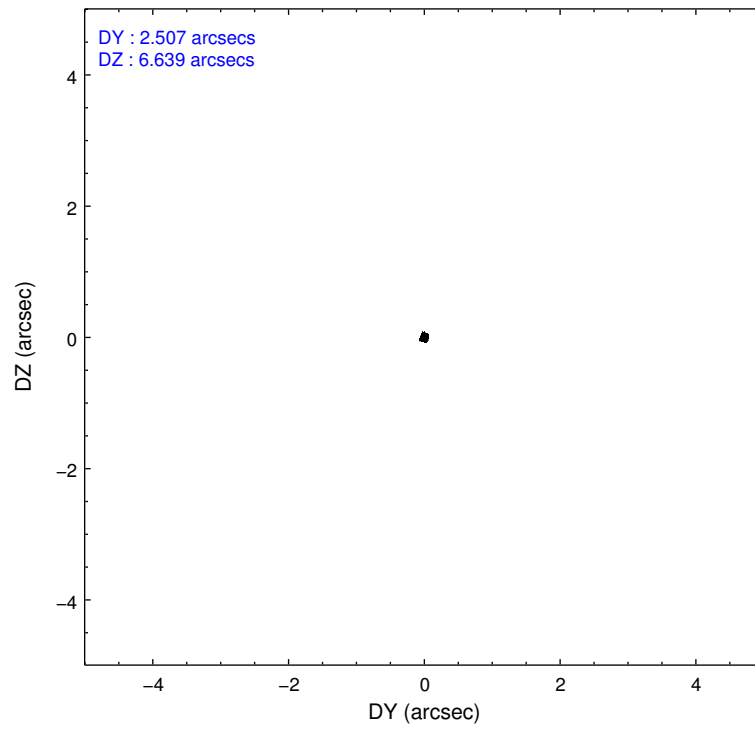
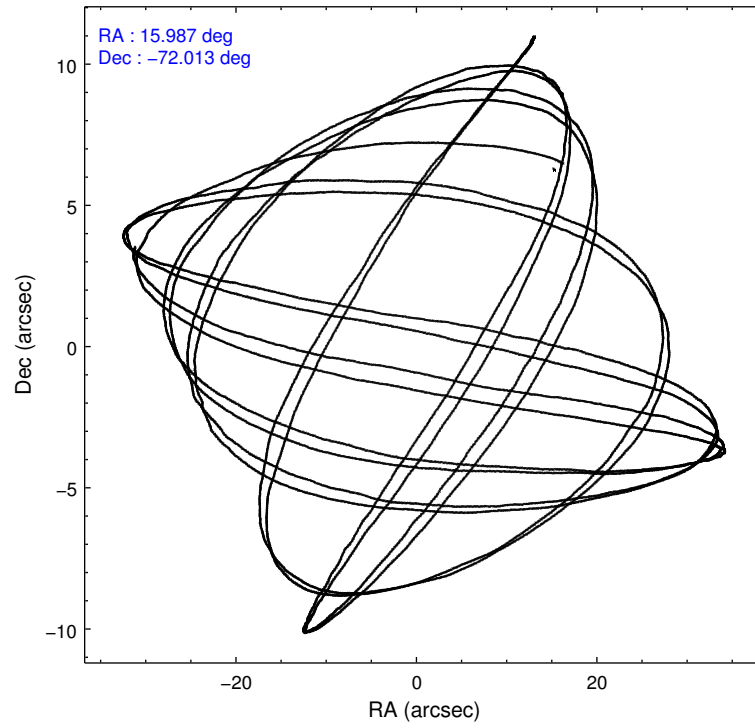
2.1.4 Events

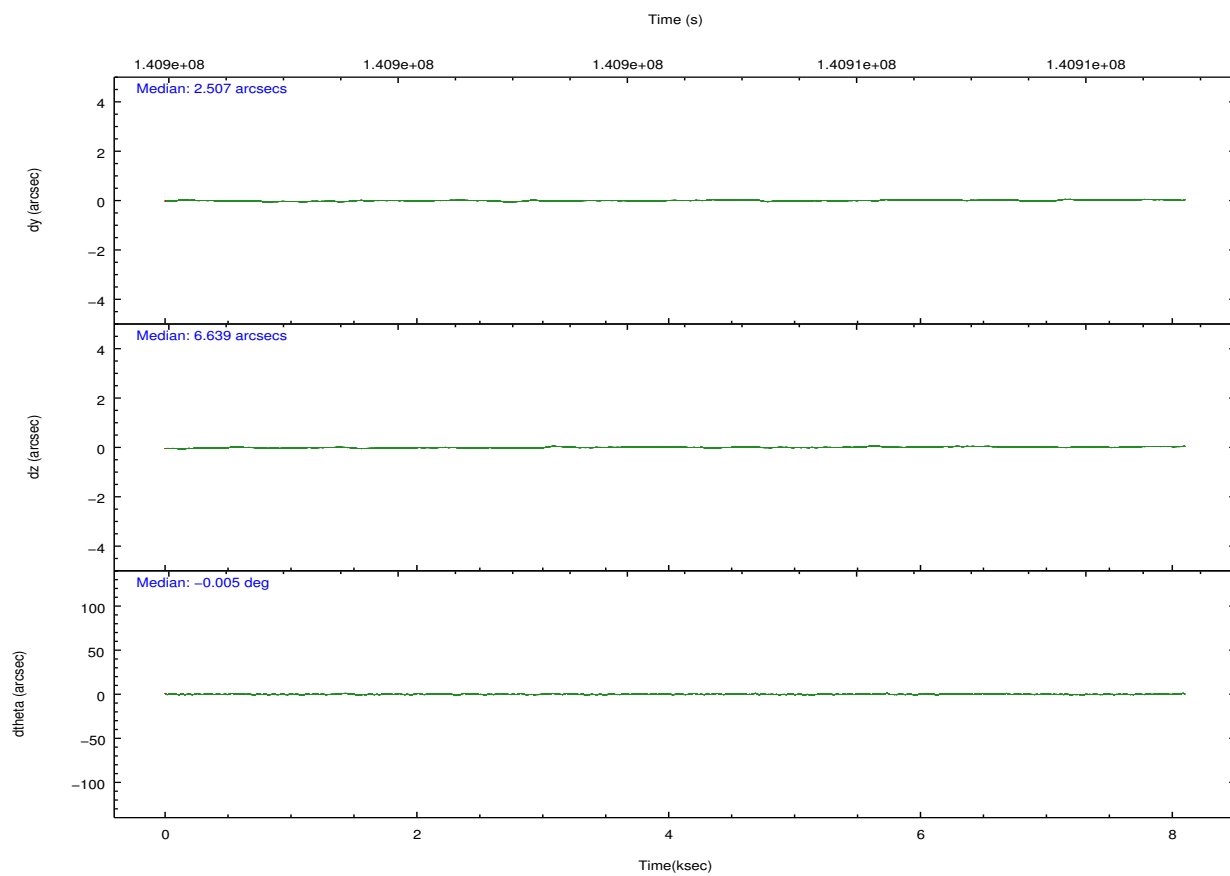
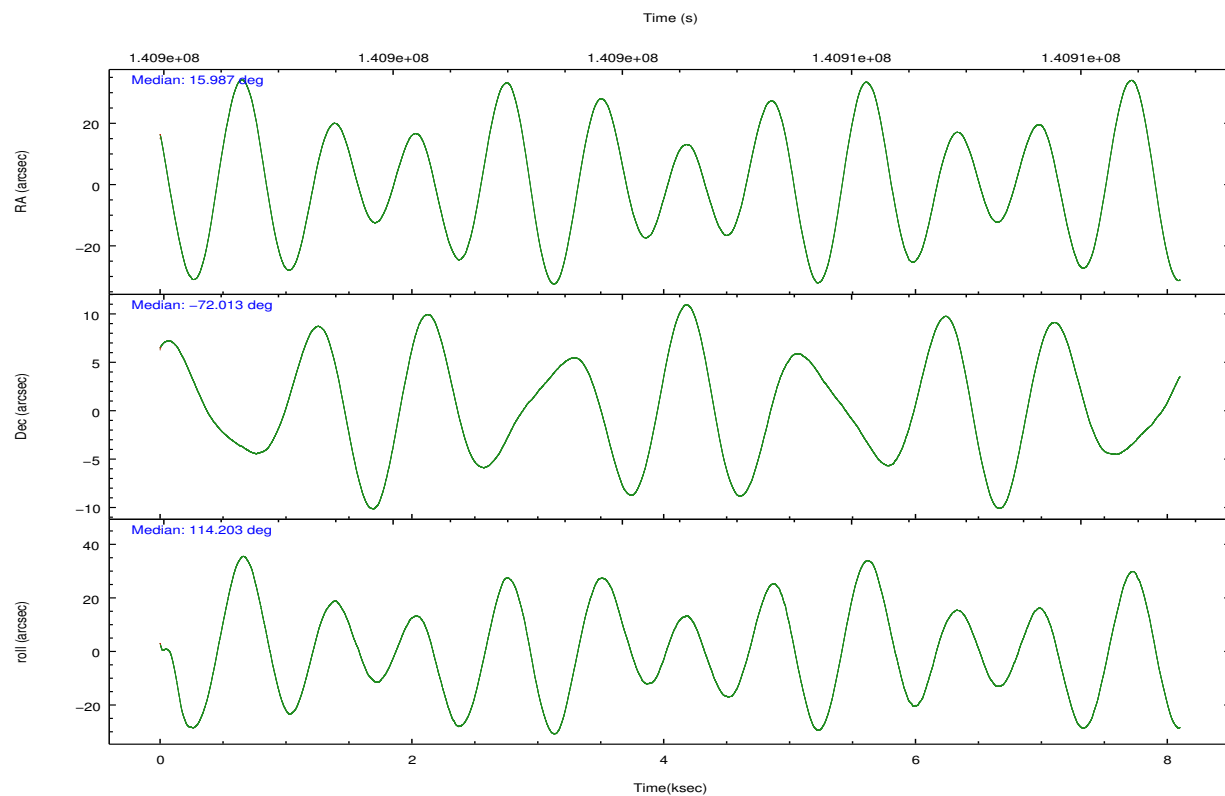
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	50975	46325	73122	48948	124246	64828	grade 0 events	2306	2474	4585	2431	23954	4468
rejected events	45447	40703	39466	43187	39181	51694		4%	5%	6%	4%	19%	6%
rejected %	89%	87%	53%	88%	31%	79%	grade 1 events	21	16	142	18	500	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	1250	1102	9793	1108	20881	2708
								2%	2%	13%	2%	16%	4%
							grade 3 events	482	557	1304	568	9389	1369
								0%	1%	1%	1%	7%	2%
							grade 4 events	524	550	1282	537	9191	1339
								1%	1%	1%	1%	7%	2%
							grade 5 events	1780	1903	5437	2210	7164	2799
								3%	4%	7%	4%	5%	4%
							grade 6 events	967	942	16705	1117	21686	3250
								1%	2%	22%	2%	17%	5%
							grade 7 events	43645	38781	33874	40959	31481	48839
								85%	83%	46%	83%	25%	75%

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	16.059877	15.98748223540309	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.028078	-72.01242562761657	Alternating exposures requested	N	N
[deg] Pointing Roll	114.124078	114.2118197372225	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	139276864.184000	139276864.184000			
[s] Window stop time (MET)	141782464.184000	141782464.184000			
[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)	140900568.184000	140900192.54428			
Observation start date	2002-06-19T19:01:44	2002-06-19T18:56:32			
[s] Observation end time (MET)	140908468.184000	140908676.46962			
Observation end date	2002-06-19T21:13:24	2002-06-19T21:17:56			
Read mode	TIMED	TIMED			

2.3 Aspect



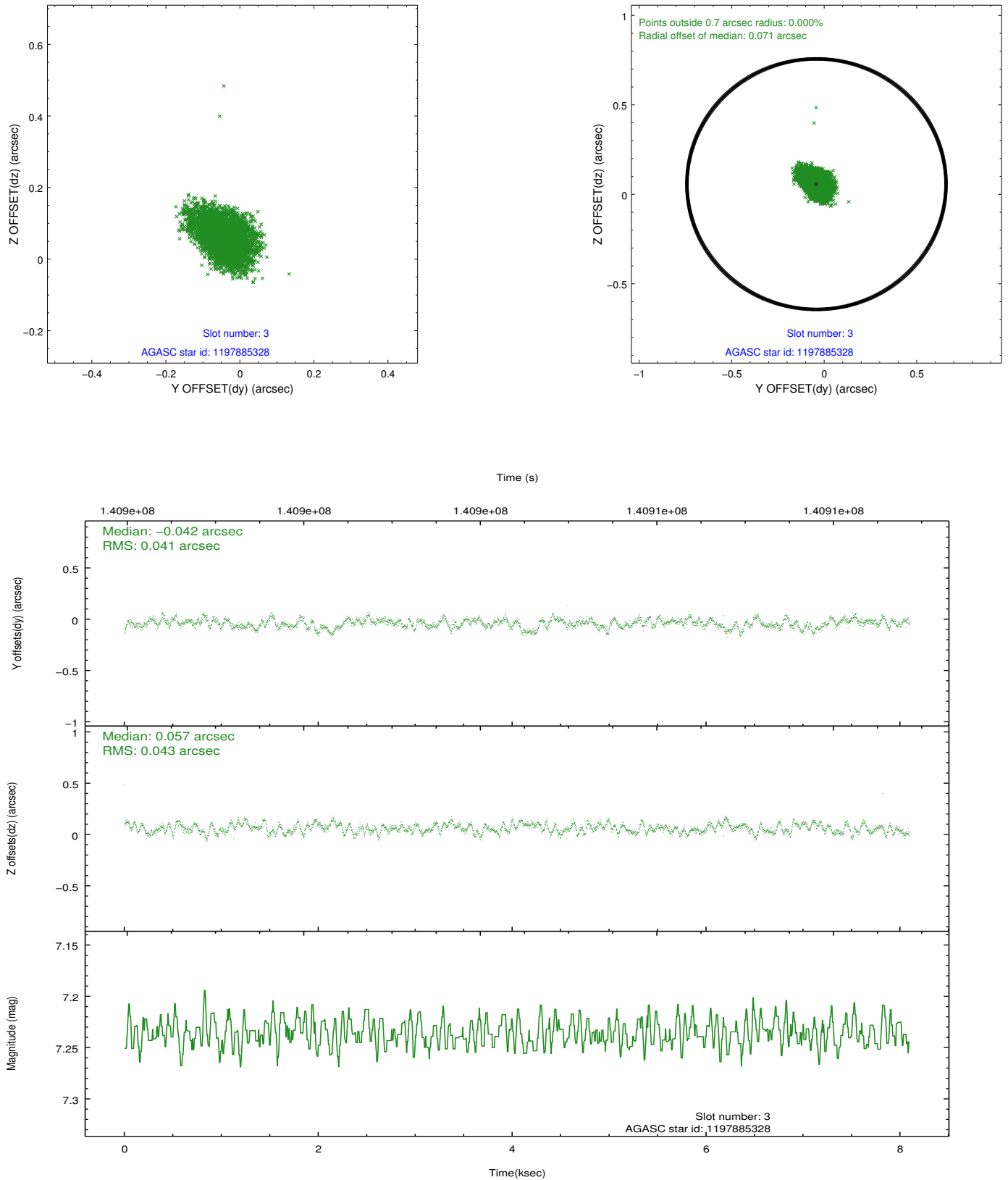


Slot Statistics

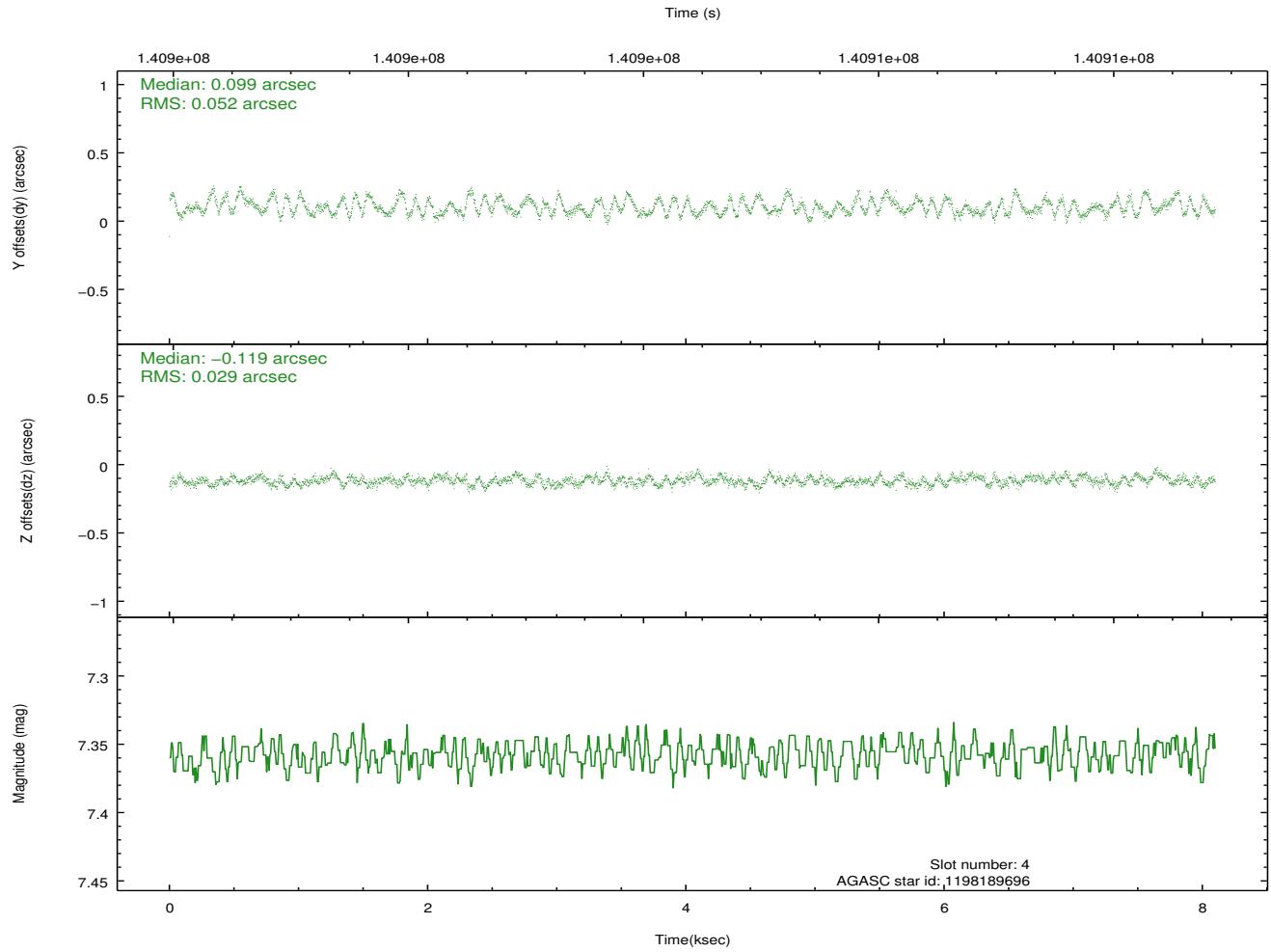
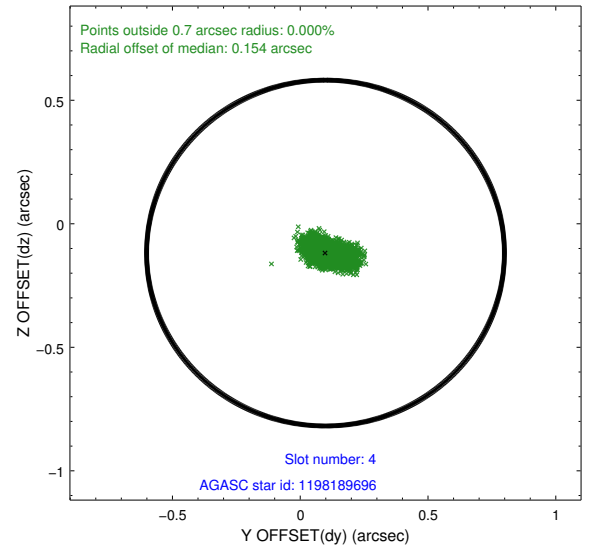
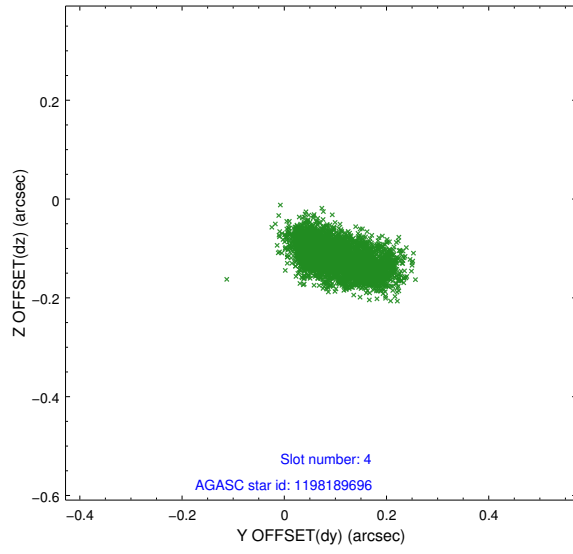
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1975	-0.027	0.015	0.007	0.012	0.000000	0.000000	-755.14	-1727.79
1	FID	ACIS-S-4	7.20	1975	-0.031	0.009	0.005	0.010	0.000000	0.000000	2157.80	180.01
2	FID	ACIS-S-5	7.23	1975	0.027	-0.015	0.007	0.011	0.000000	0.000000	-1807.06	174.40
3	GUIDE	1197885328	7.24	3951	-0.042	0.057	0.062	0.102	16.283090	-71.733943	863.37	-662.76
4	GUIDE	1198189696	7.36	3951	0.099	-0.119	0.064	0.106	15.223750	-72.697522	-1839.07	1803.83
5	GUIDE	1197884536	8.49	3951	0.001	0.050	0.058	0.094	17.160729	-71.835289	118.21	-1406.26
6	GUIDE	1197878768	9.62	3948	-0.063	0.066	0.103	0.167	16.656786	-71.304581	2093.10	-1692.12
7	GUIDE	1197749416	10.26	3882	0.001	-0.056	0.156	0.249	13.610513	-71.871242	1586.14	2294.78

2.4 Star Slots

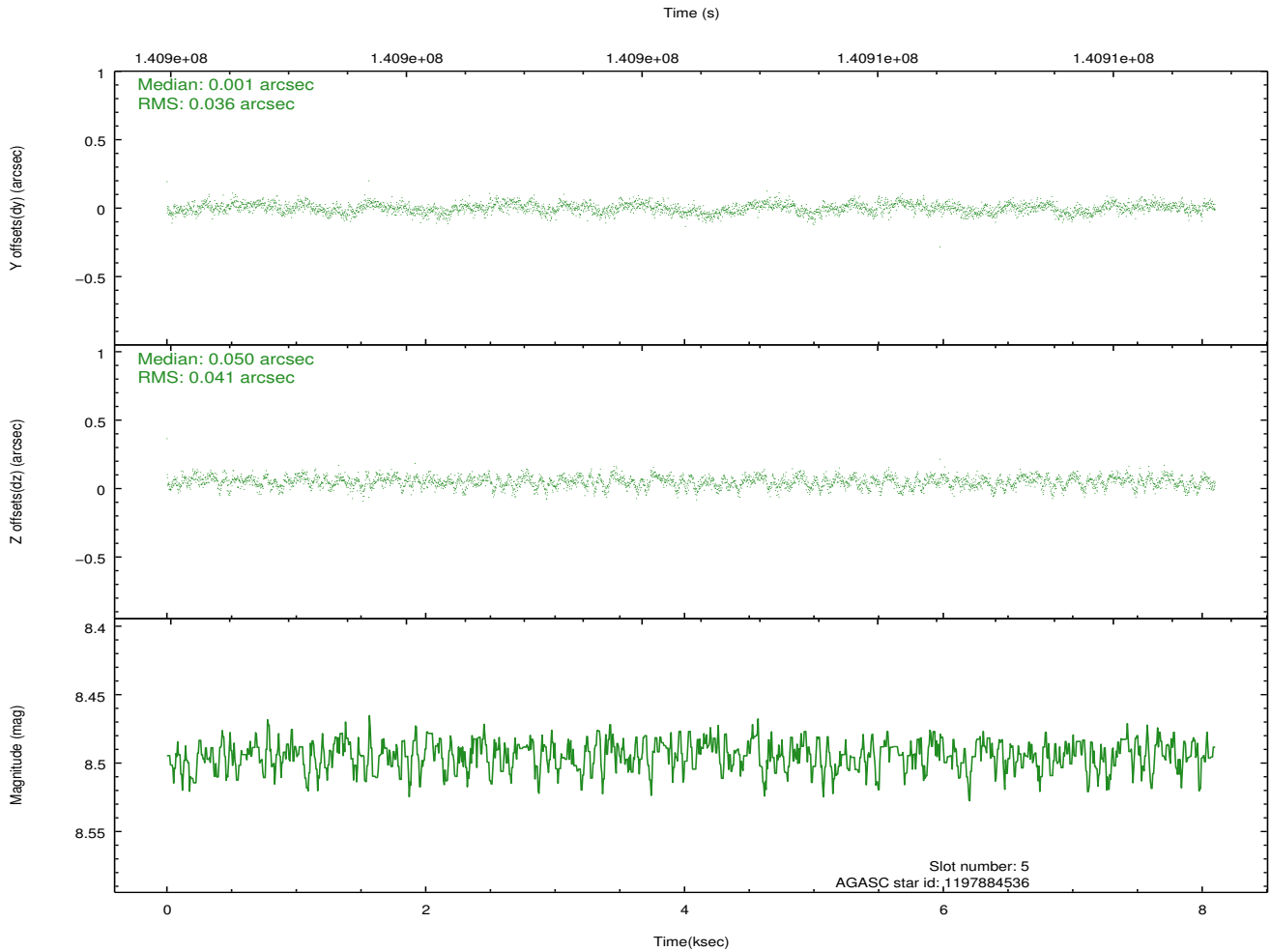
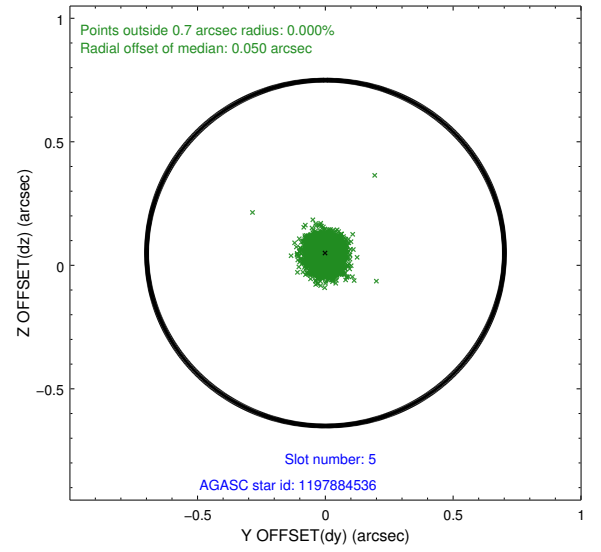
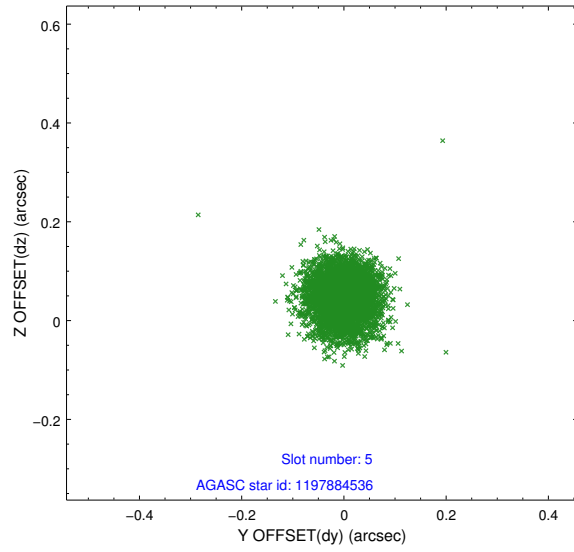
2.4.1 Slot 3



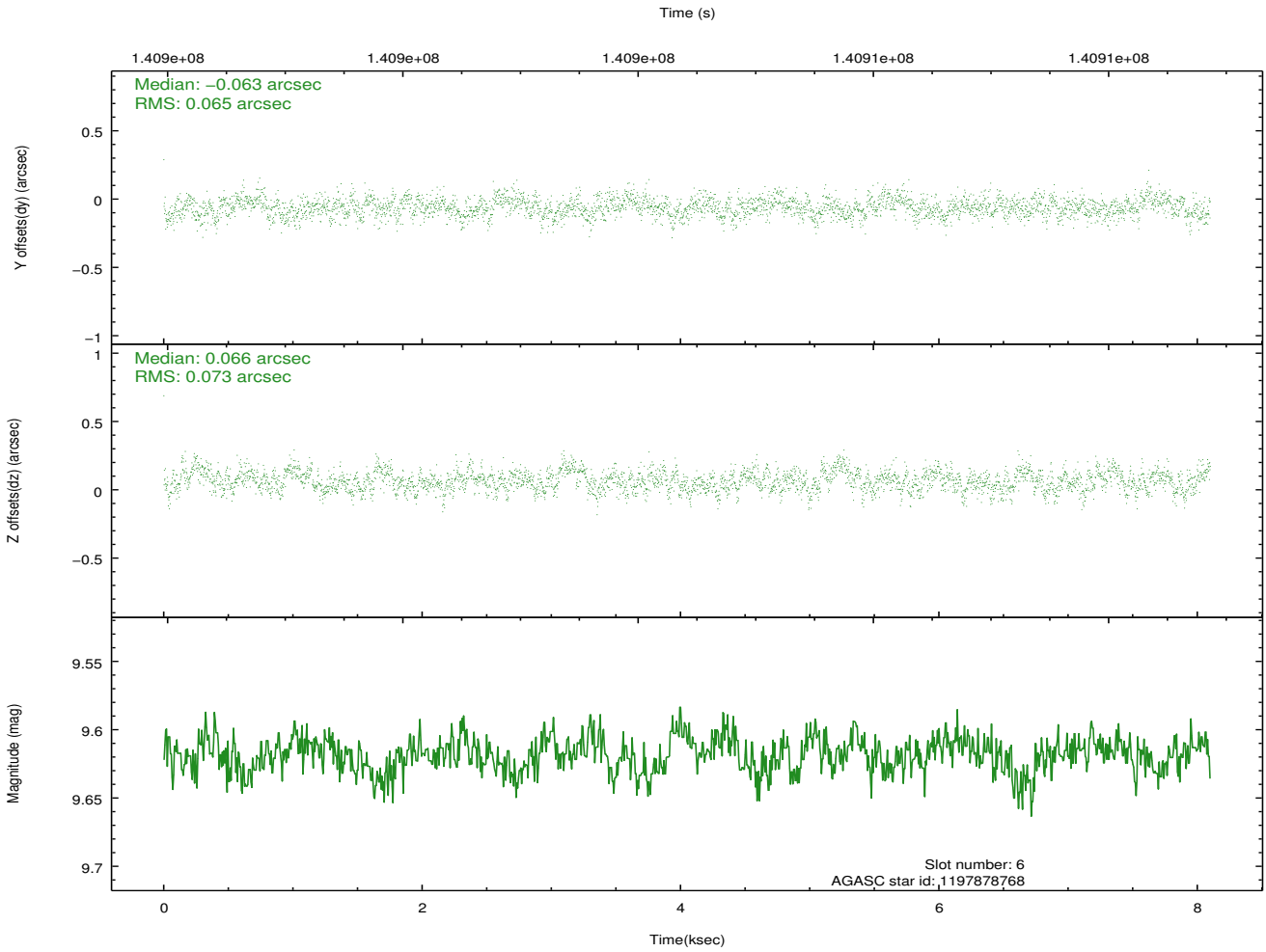
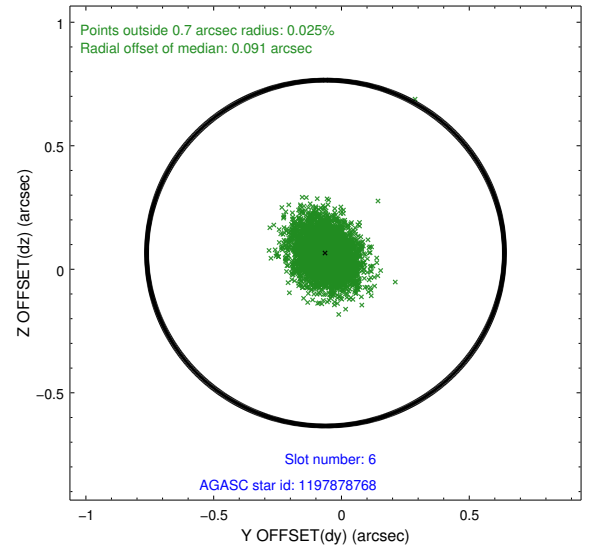
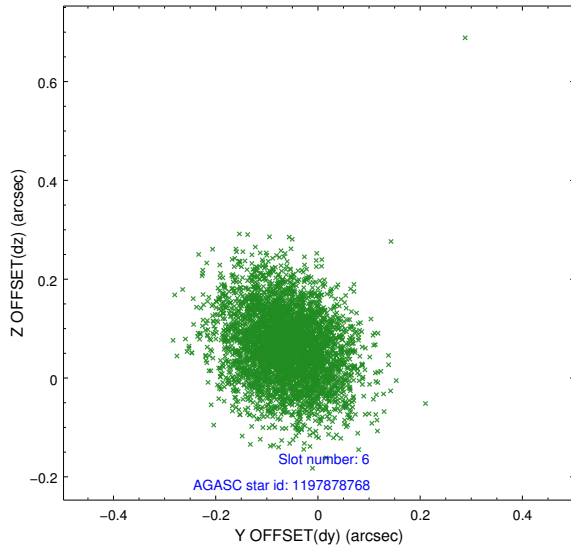
2.4.2 Slot 4



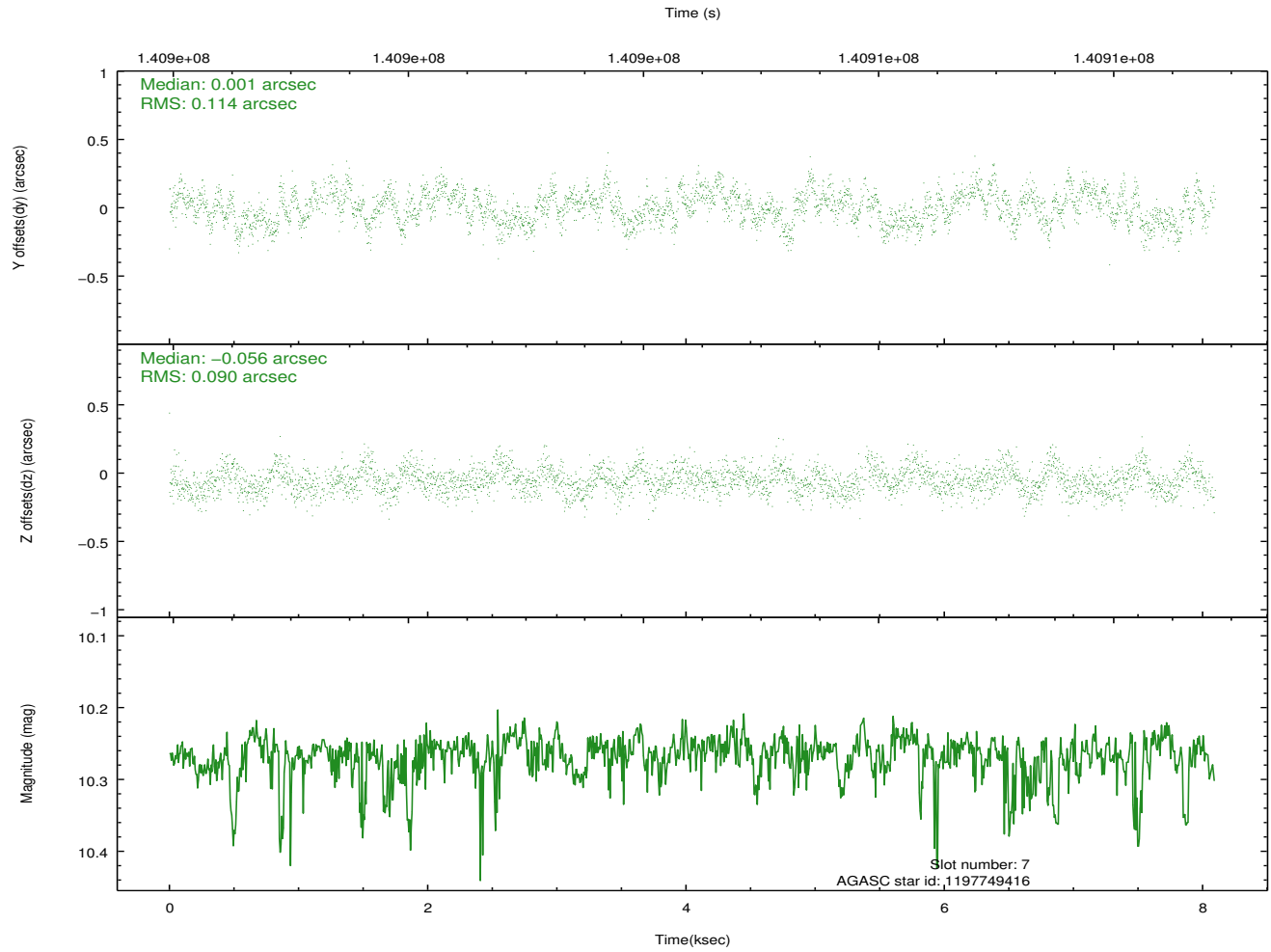
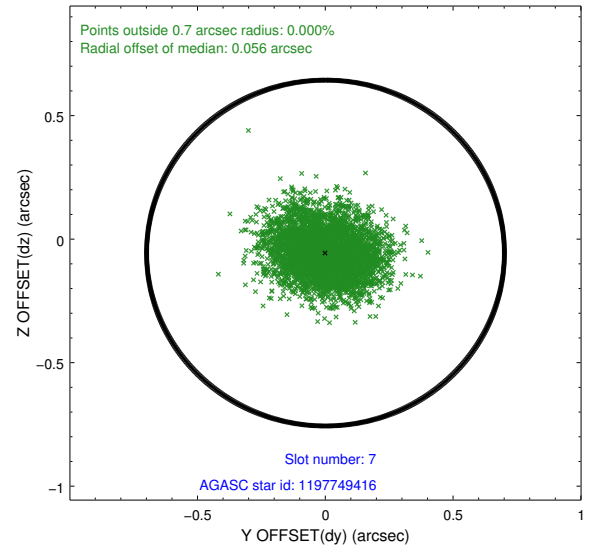
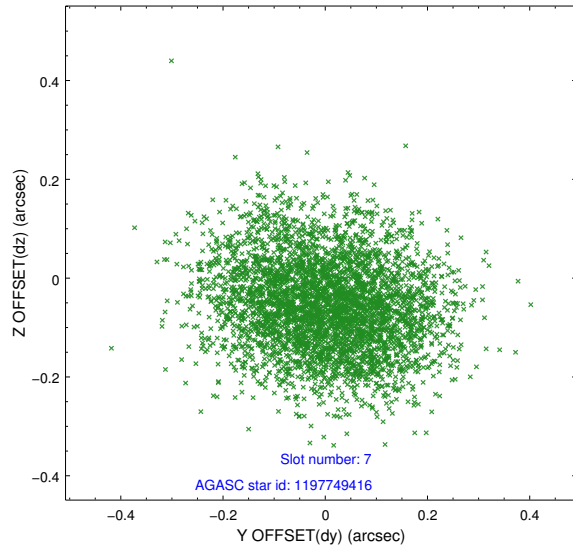
2.4.3 Slot 5



2.4.4 Slot 6

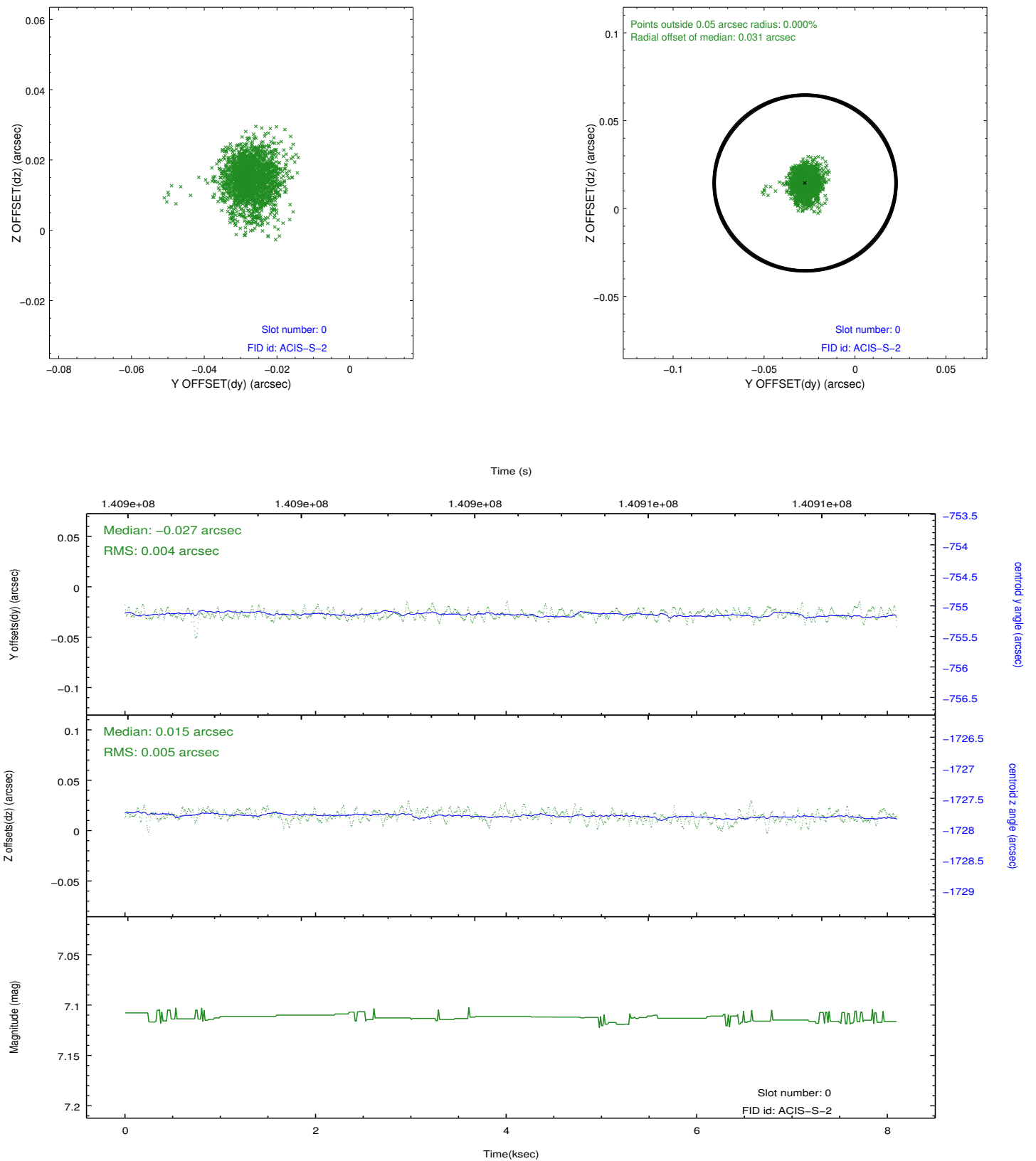


2.4.5 Slot 7

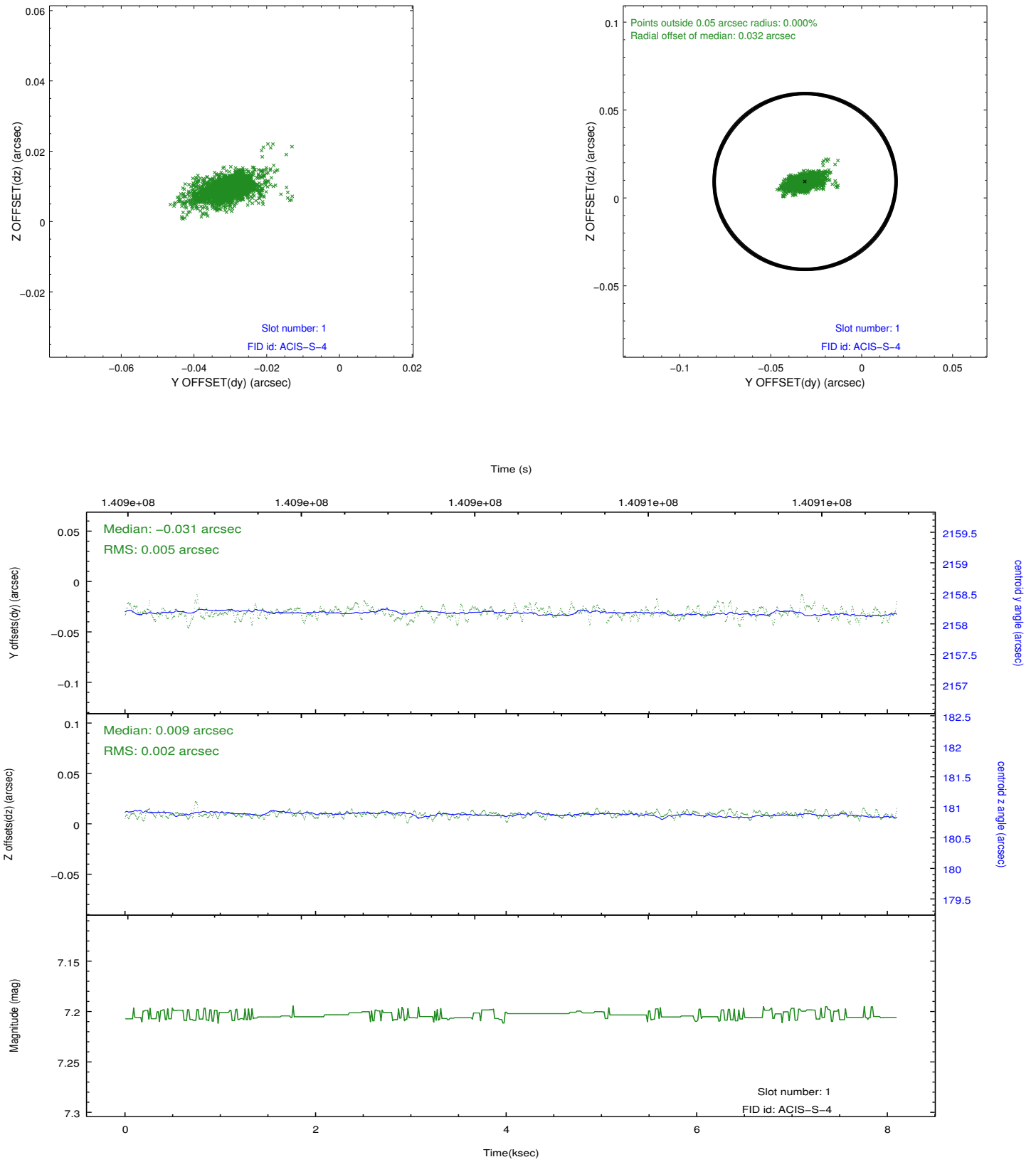


2.5 FID Slots

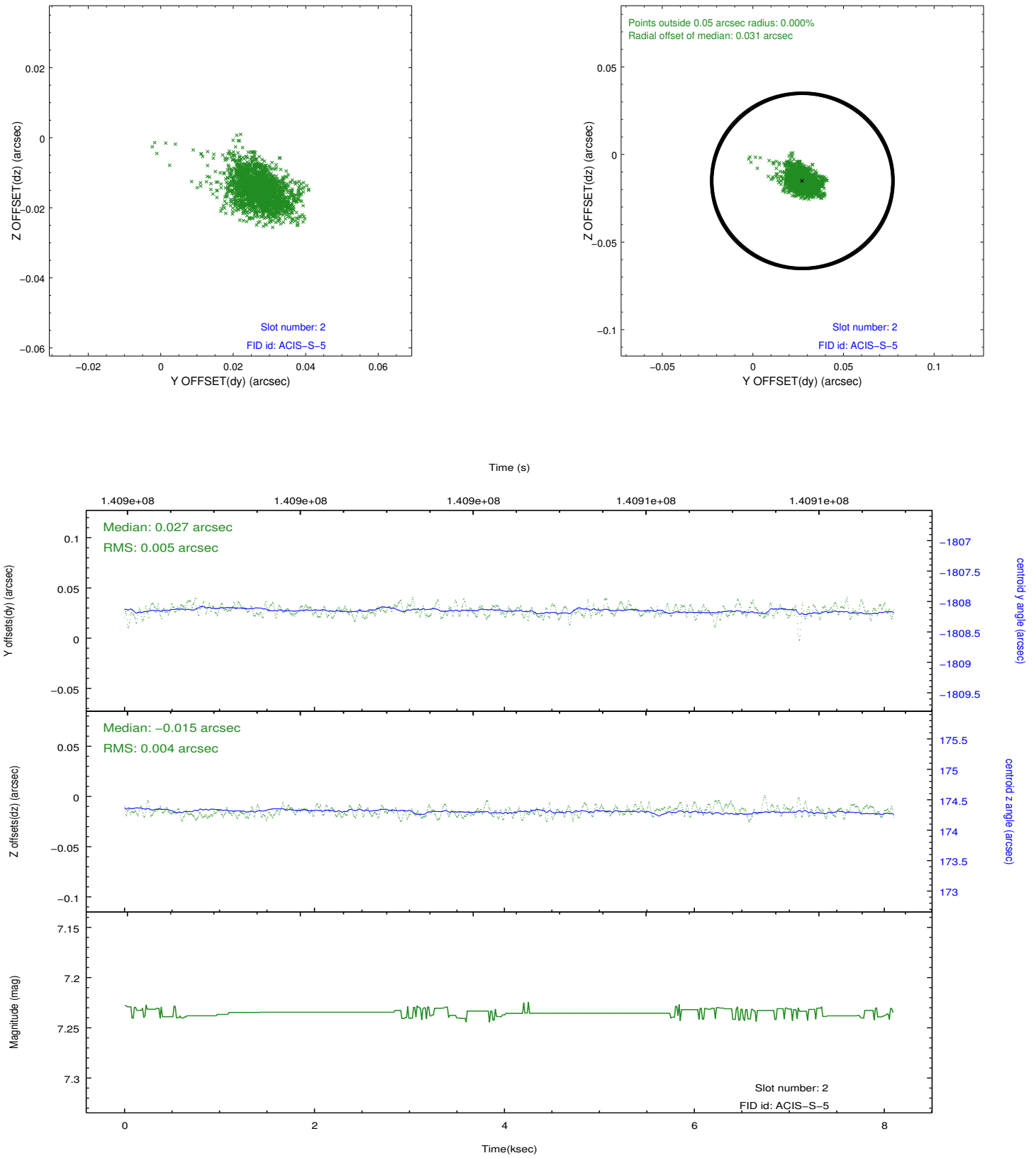
2.5.1 Slot 0



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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.657

A.2 Comments

Window constraint met.