

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 803 - L2 Version 4
Chandra X-Ray Center

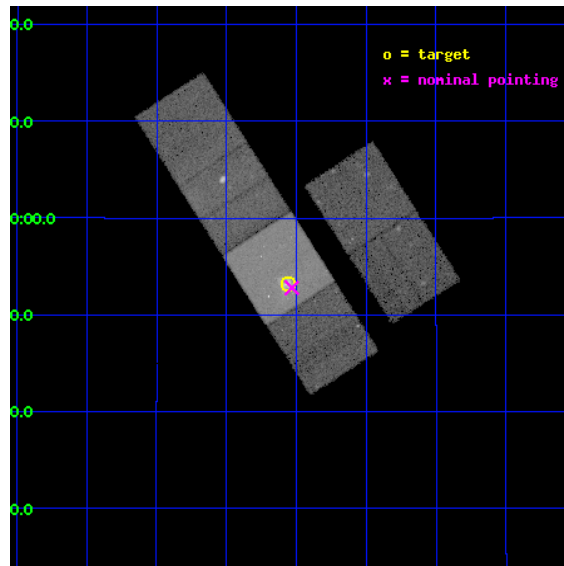
L2 Processing Date : Aug 27 2012

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1 Front

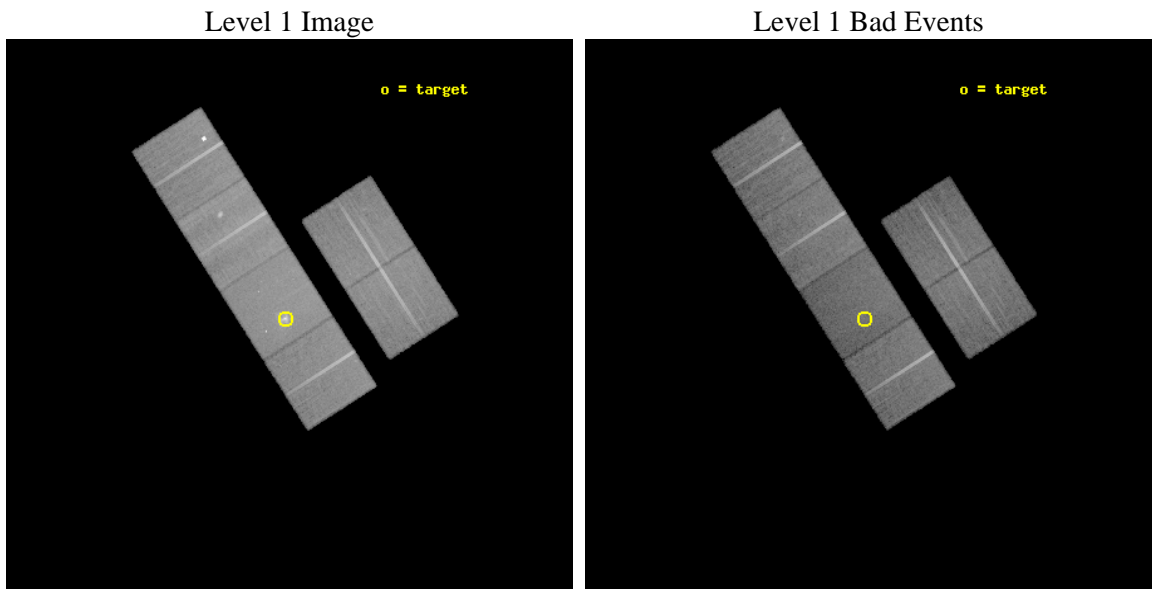
seq_num	600106	Sequence number
obs_id	803	Observation id
title	ACIS STUDY OF ABUNDANCE DISTRIBUTION IN ES	Proposal title
observer	Dr. Alexis Finoguenov	Principal investigator
object	NGC 4374 (M84)	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.265	Observer's specified target RA [deg]
dec_targ	12.88725	Observer's specified target Dec [deg]
ra_nom	186.25799410586	Nominal RA [deg]
dec_nom	12.879946008291	Nominal Dec [deg]
roll_nom	237.38450054767	Nominal Roll [deg]
revision	4	Processing version of data
ontime	28838.318076462	Sum of GTIs [s]
livetime	28473.149928627	Livetime [s]
ontime2	28835.076574594	Sum of GTIs [s]
ontime3	28835.077166066	Sum of GTIs [s]
ontime6	28841.55909653	Sum of GTIs [s]
ontime7	28838.318076462	Sum of GTIs [s]
ontime8	28841.558986828	Sum of GTIs [s]
ontime9	28838.318026587	Sum of GTIs [s]
l2events	258911	Number of level 2 events



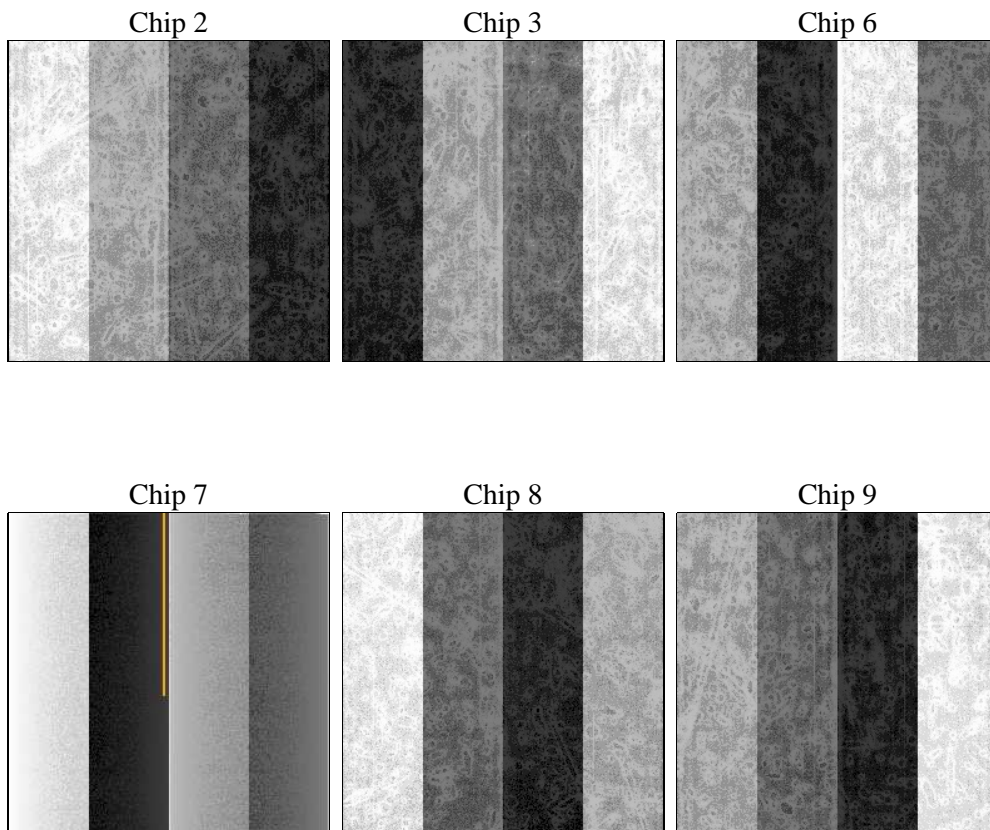
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	29000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	28838.318076462	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	28835.076574594	Sum of GTIs [s]
date	2012-08-27T21:05:22	Date and time of file creation	ontime3	28835.077166066	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	28841.55909653	Sum of GTIs [s]
			ontime7	28838.318076462	Sum of GTIs [s]
			ontime8	28841.558986828	Sum of GTIs [s]
			ontime9	28838.318026587	Sum of GTIs [s]
			l1events	1400099	Number of level 1 events

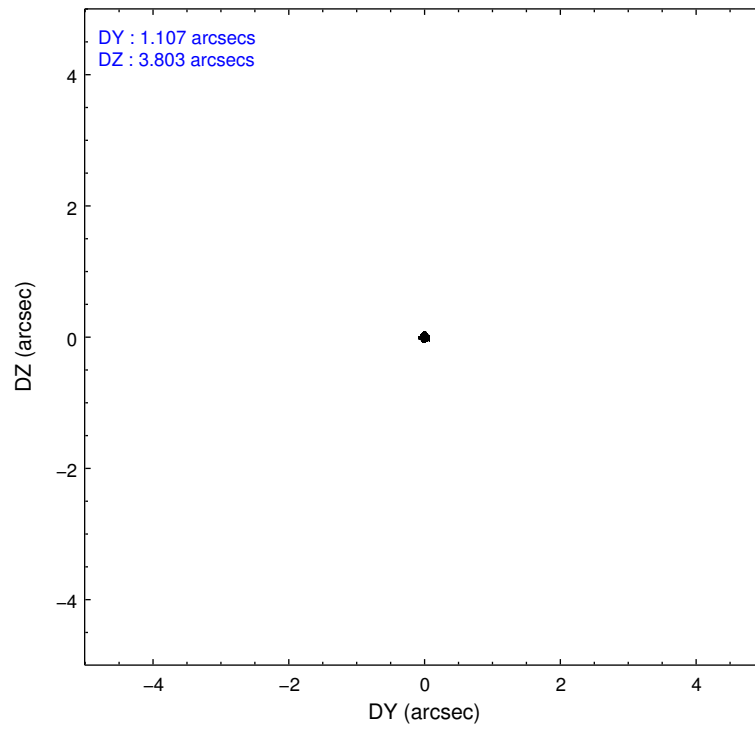
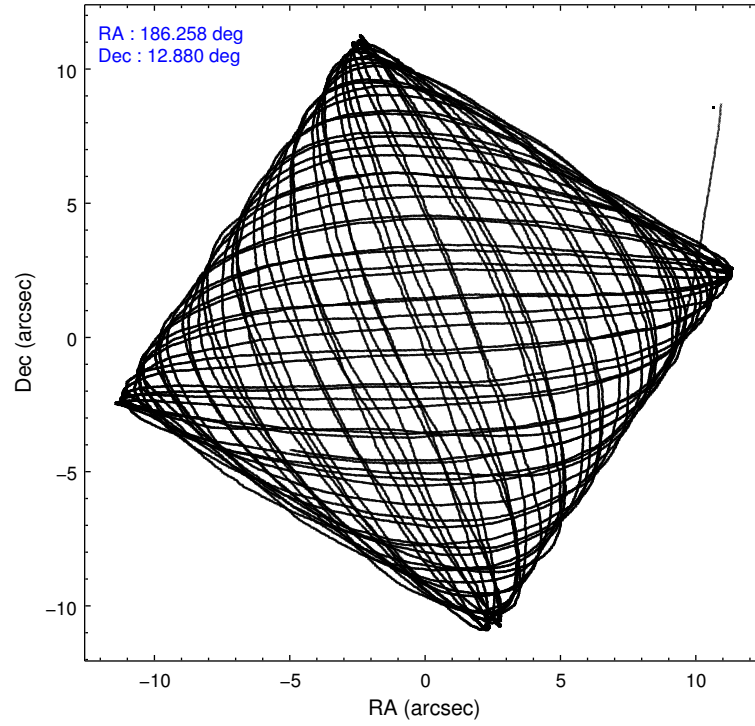
2.1.4 Events

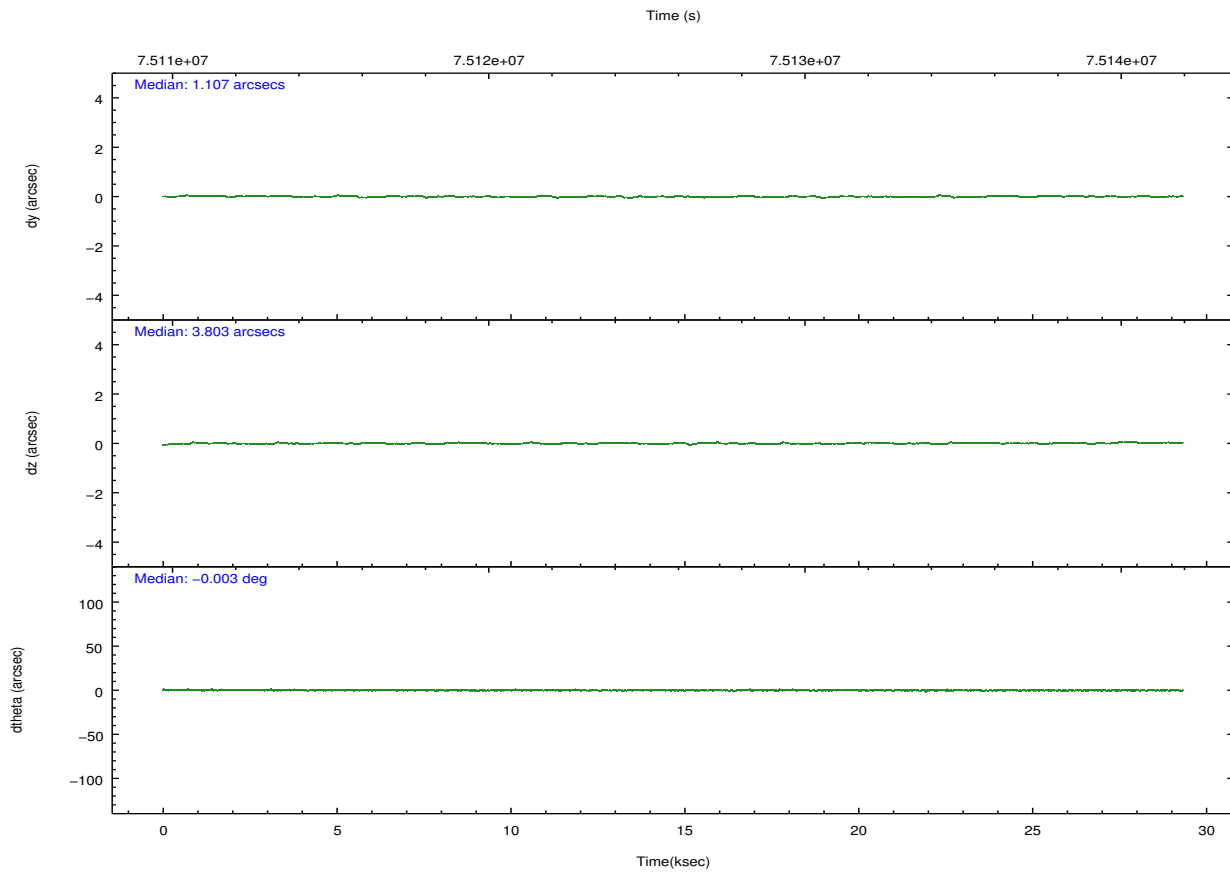
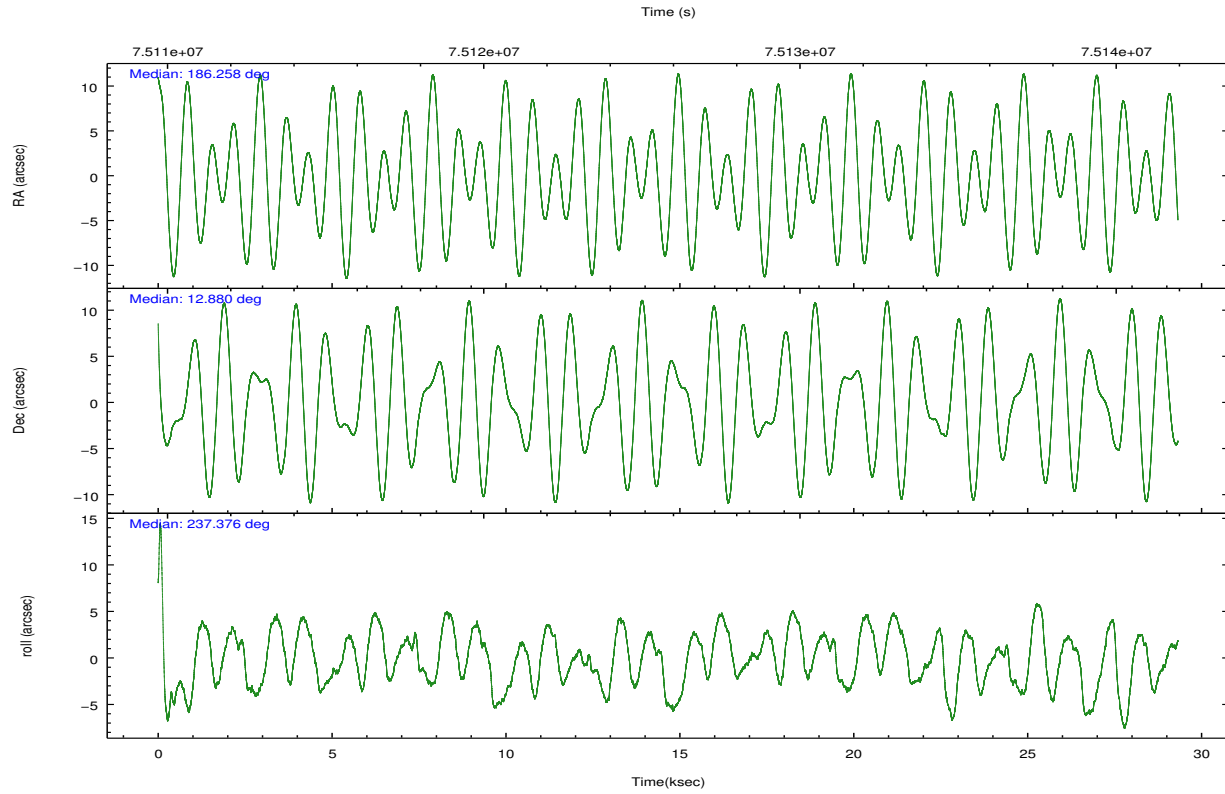
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9		ccd 2	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	205442	203629	210576	263229	283171	234052	grade 0 events	10784	12450	13038	20525	36035	23594
rejected events	181882	178096	183779	132544	202095	186972		5%	6%	6%	7%	12%	10%
rejected %	88%	87%	87%	50%	71%	79%	grade 1 events	104	99	76	213	424	175
								0%	0%	0%	0%	0%	0%
							grade 2 events	4856	4752	4876	27812	13641	13977
								2%	2%	2%	10%	4%	5%
							grade 3 events	2075	2212	2325	12982	8749	2438
								1%	1%	1%	4%	3%	1%
							grade 4 events	2150	2147	2237	12548	7771	2440
								1%	1%	1%	4%	2%	1%
							grade 5 events	5968	6643	7449	22289	9395	7823
								2%	3%	3%	8%	3%	3%
							grade 6 events	3702	3979	4327	56850	14889	4644
								1%	1%	2%	21%	5%	1%
							grade 7 events	175803	171347	176248	110010	192267	178961
								85%	84%	83%	41%	67%	76%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-236789	ACIS-236789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	186.259168	186.2579941058605	Subarray requested	NONE	NONE
[deg] Pointing Dec	12.907367	12.87994600829105	Alternating exposures requested	N	N
[deg] Pointing Roll	237.227616	237.3845005476714	[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)	75111487.184000	75110464.016523			
Observation start date	2000-05-19T08:17:03	2000-05-19T08:01:04			
[s] Observation end time (MET)	75140487.184000	75141477.442662			
Observation end date	2000-05-19T16:20:23	2000-05-19T16:37:57			
Read mode	TIMED	TIMED			

2.3 Aspect



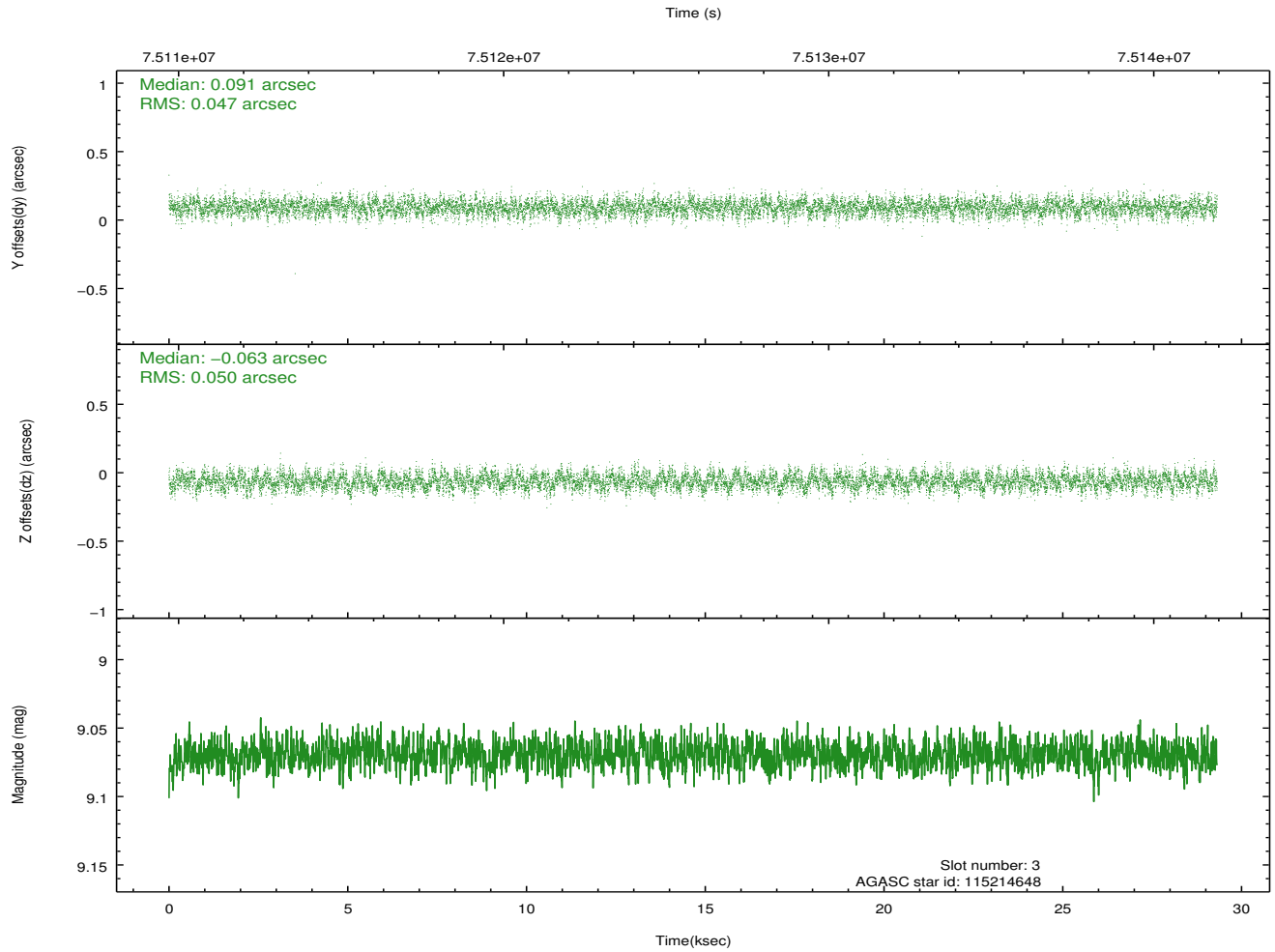
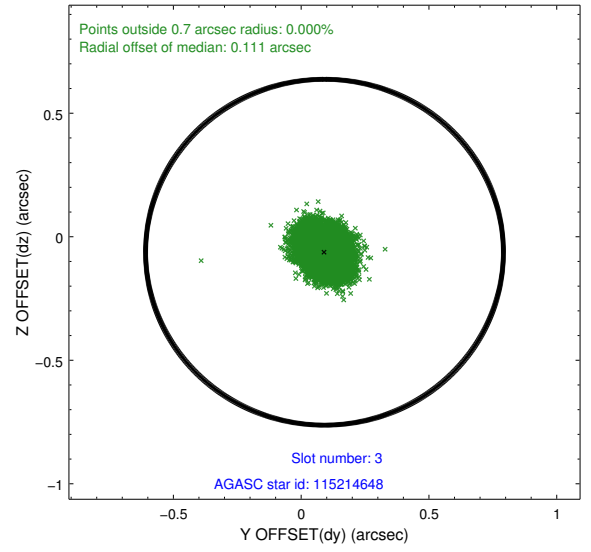
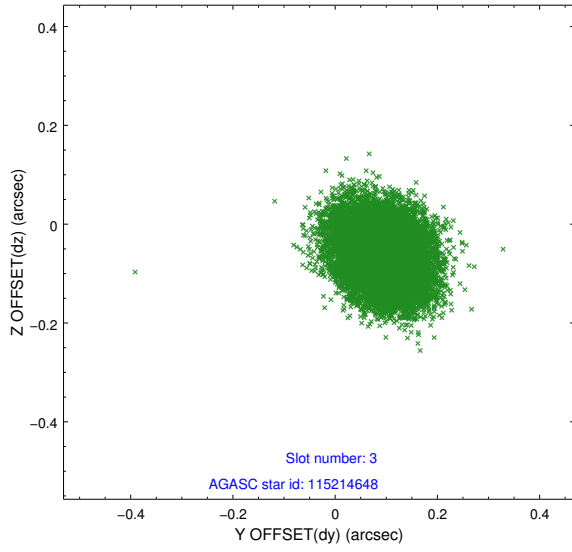


Slot Statistics

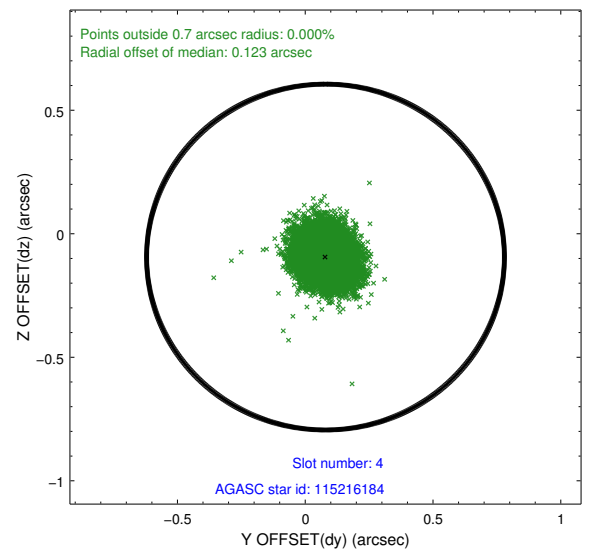
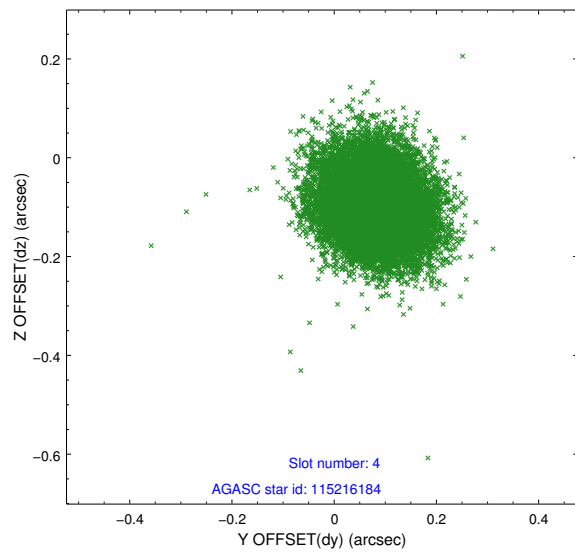
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7150	-0.009	-0.015	0.006	0.011	0.000000	0.000000	-753.74	-1724.83
1	FID	ACIS-S-4	7.21	7150	-0.007	0.008	0.006	0.011	0.000000	0.000000	2159.54	183.54
2	FID	ACIS-S-5	7.24	7150	-0.015	0.016	0.006	0.011	0.000000	0.000000	-1806.45	177.38
3	GUIDE	115214648	9.07	14300	0.091	-0.063	0.073	0.117	185.771147	12.685188	1600.20	-1009.21
4	GUIDE	115216184	9.66	14144	0.079	-0.094	0.086	0.140	185.973150	12.580247	1535.04	-208.01
5	GUIDE	115215984	9.99	14289	0.033	0.004	0.102	0.166	186.134733	12.875031	335.36	-304.47
6	GUIDE	115349744	10.35	14219	0.050	-0.015	0.134	0.219	186.878186	12.752529	-709.32	2127.43
7	GUIDE	115348424	9.53	14297	-0.252	0.167	0.136	0.219	187.199498	13.087929	-2336.25	2417.08

2.4 Star Slots

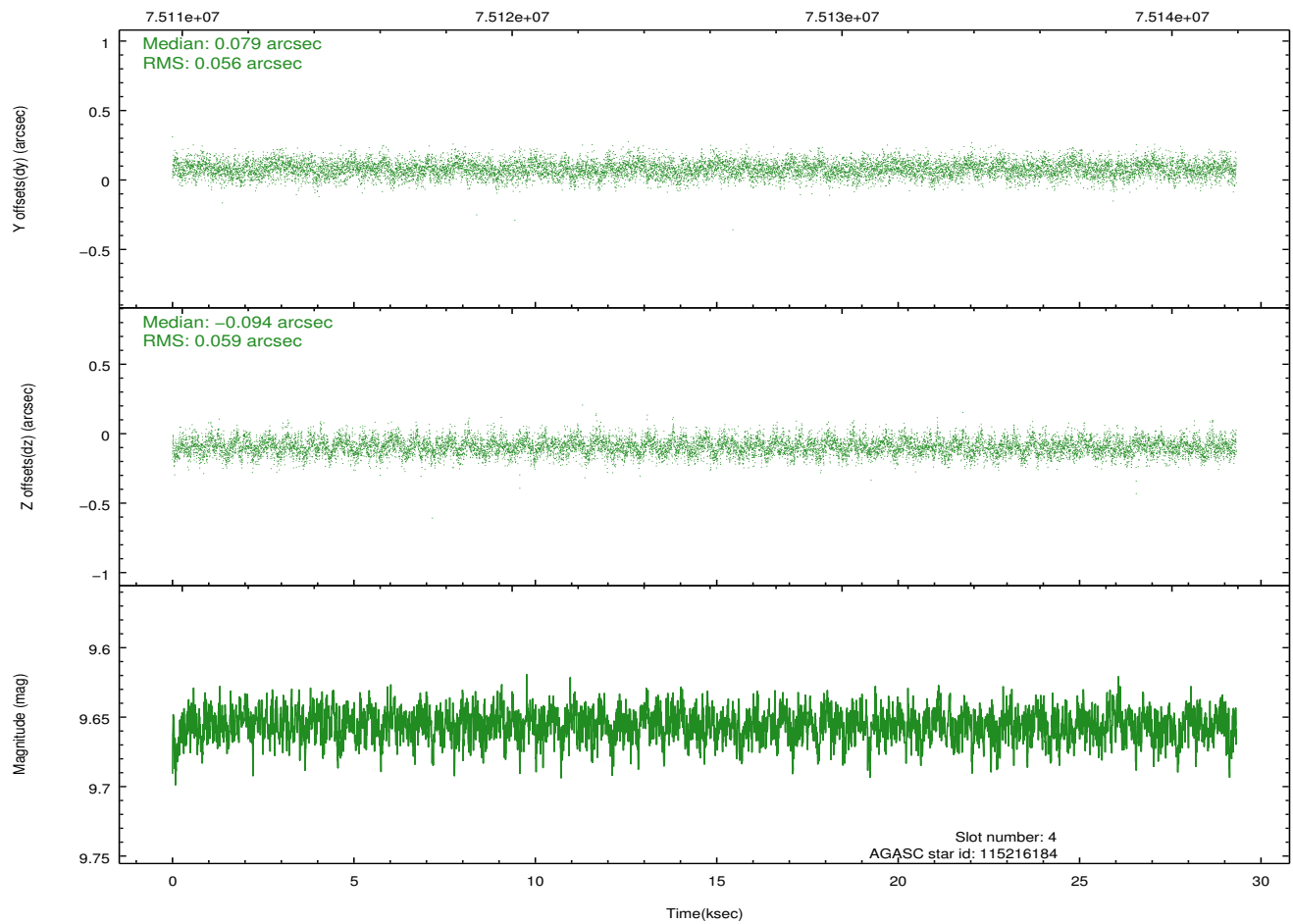
2.4.1 Slot 3



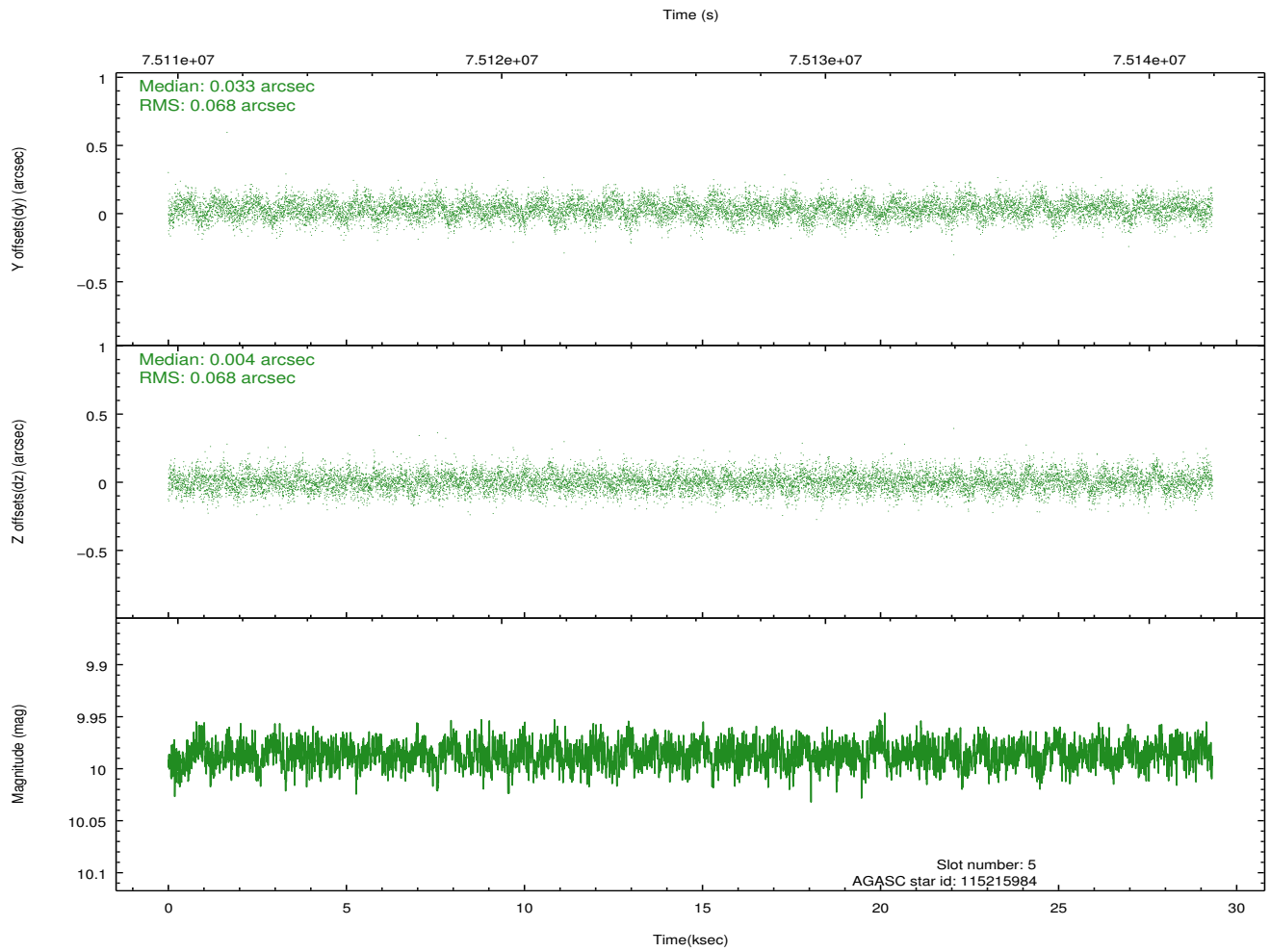
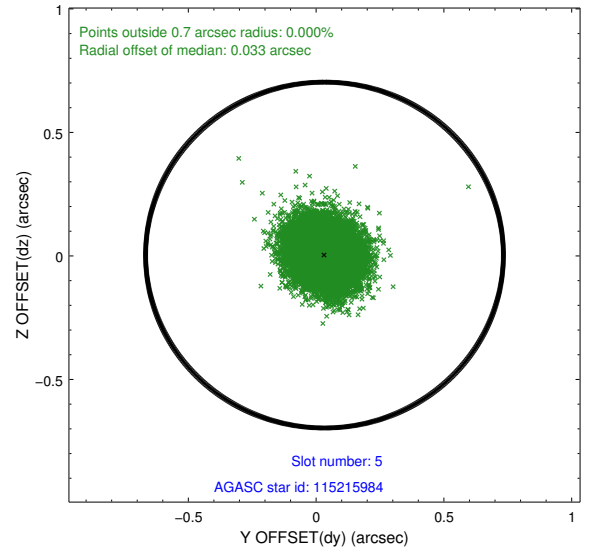
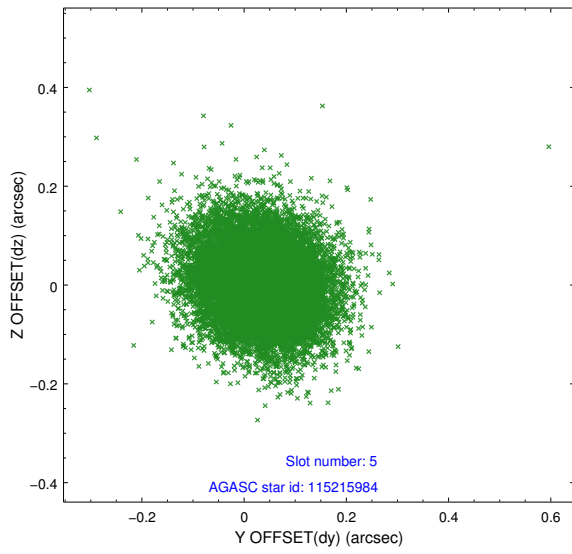
2.4.2 Slot 4



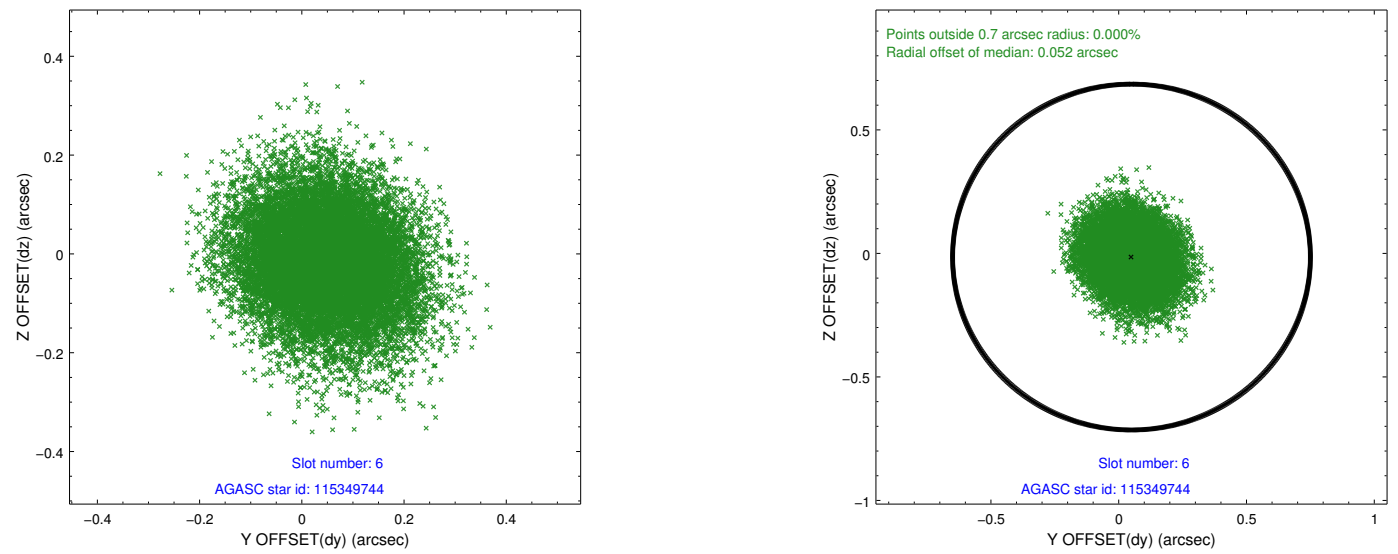
Time (s)



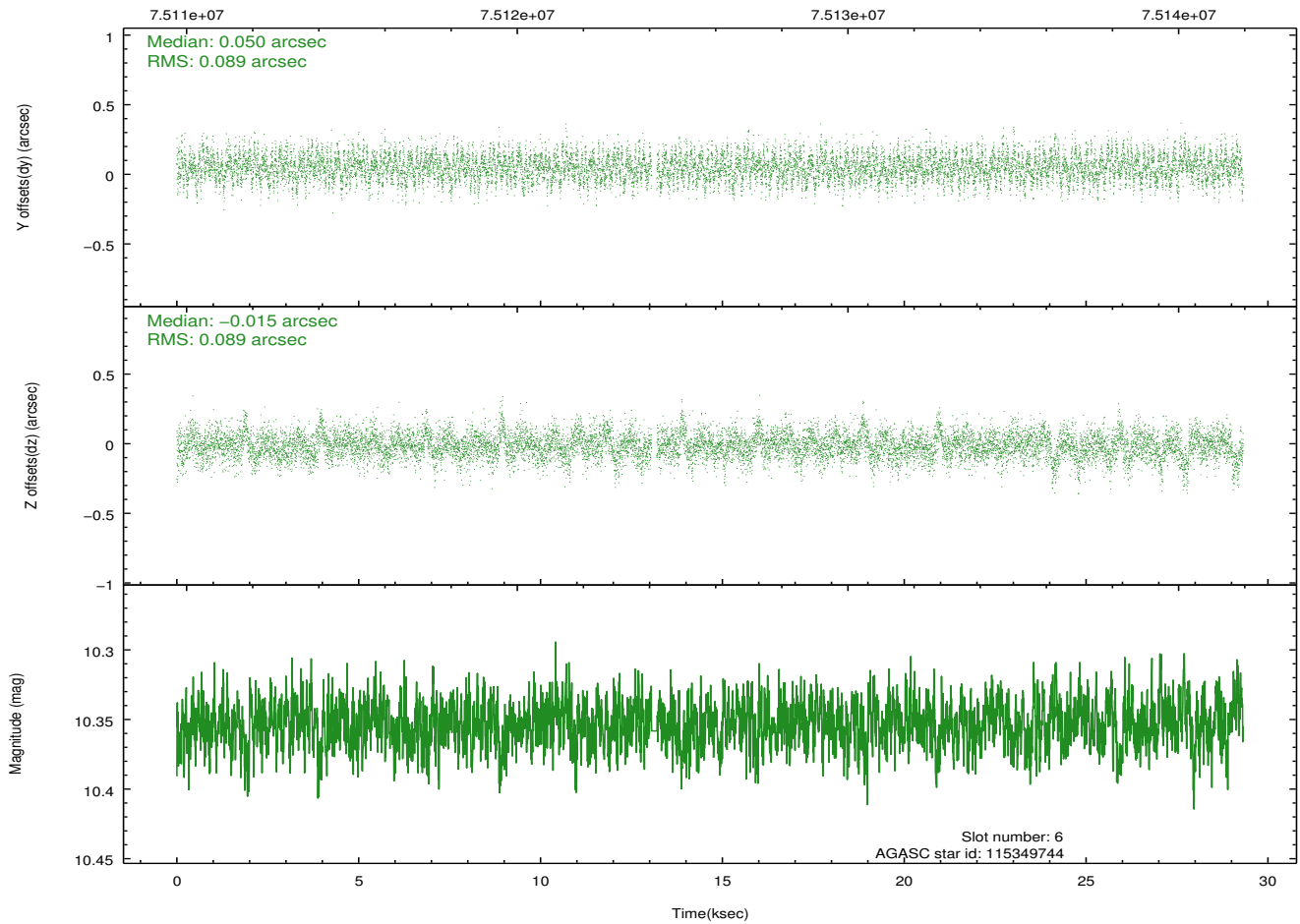
2.4.3 Slot 5



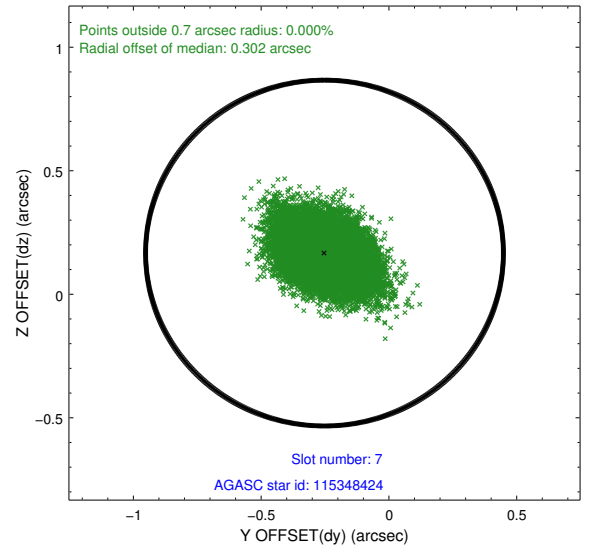
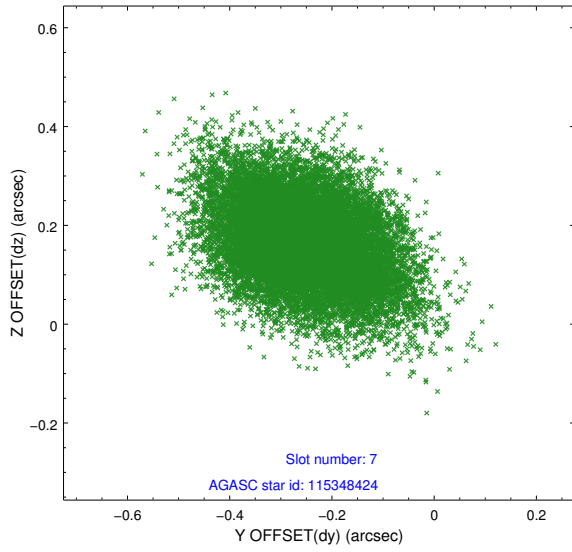
2.4.4 Slot 6



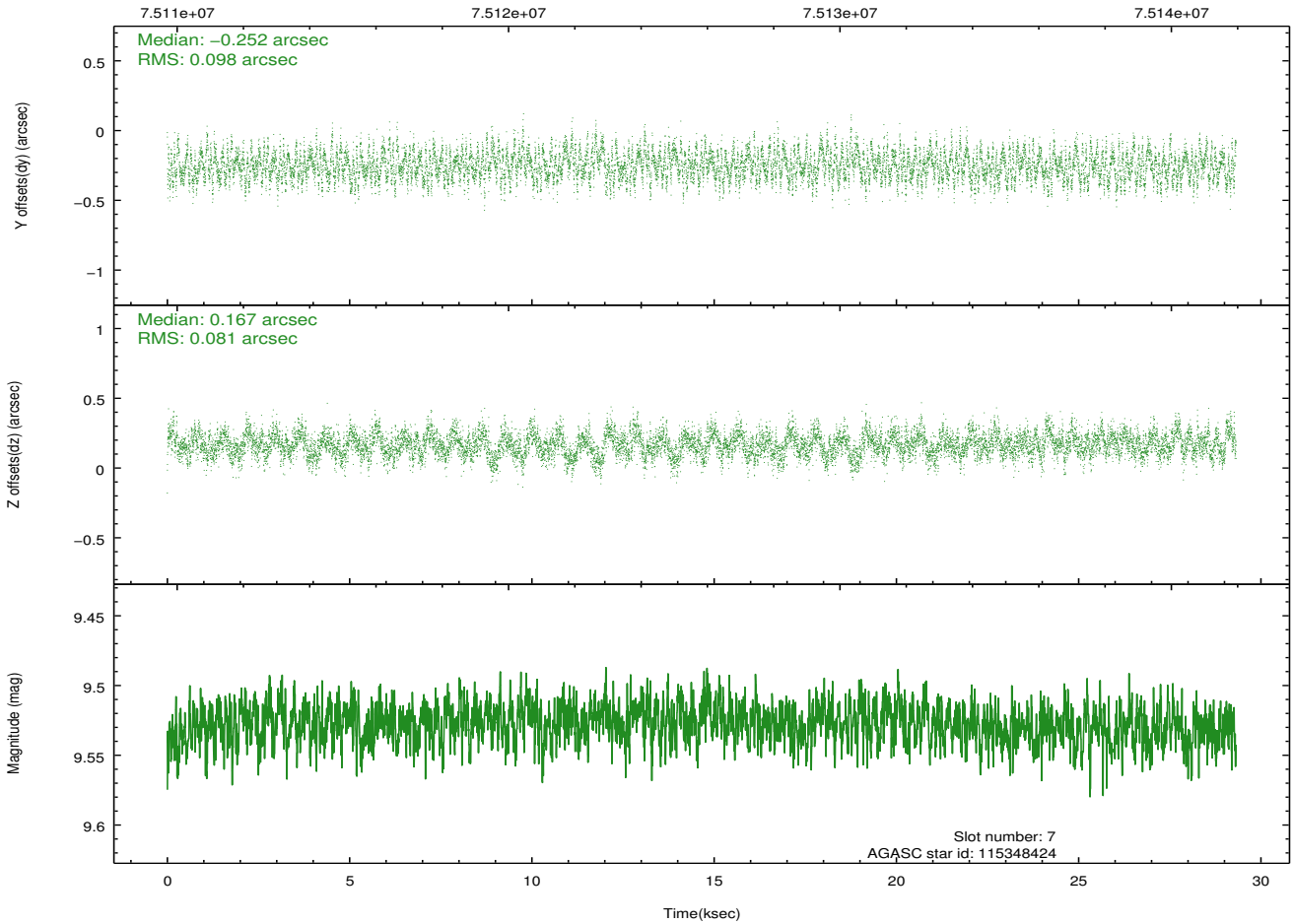
Time (s)



2.4.5 Slot 7

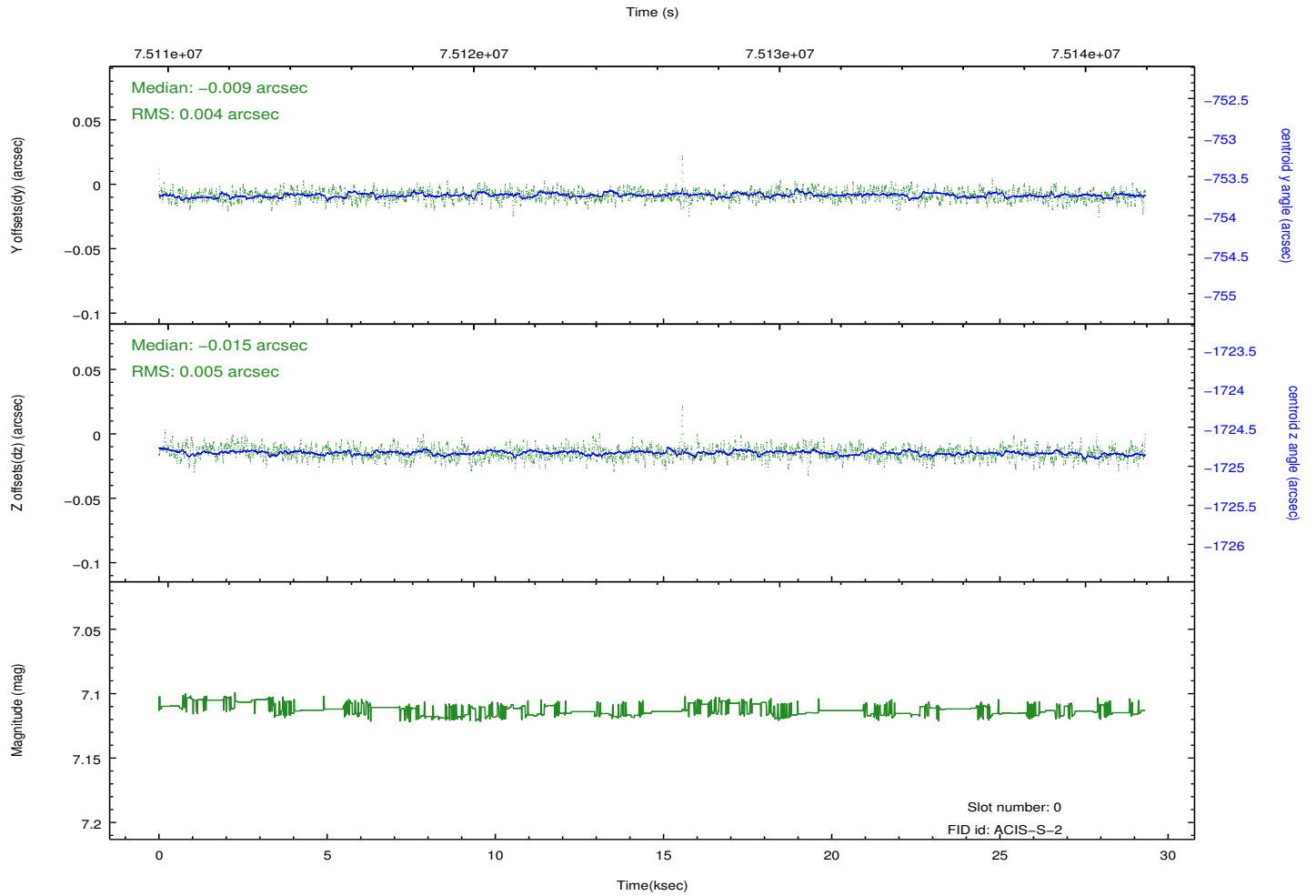
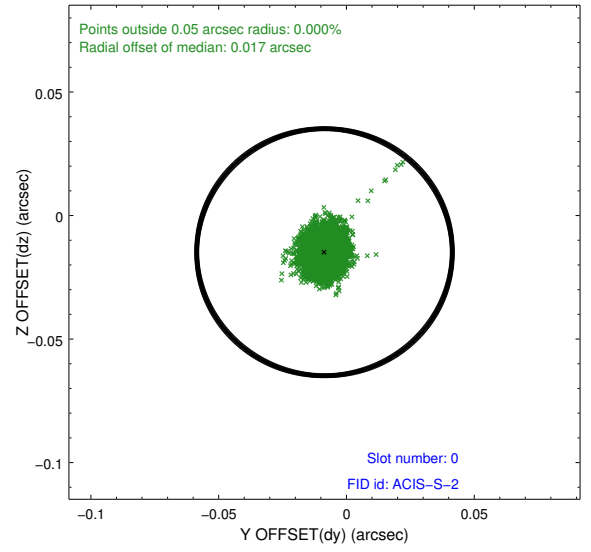
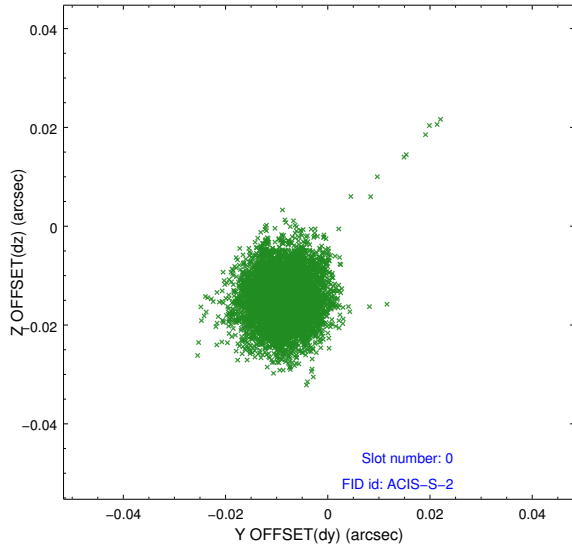


Time (s)

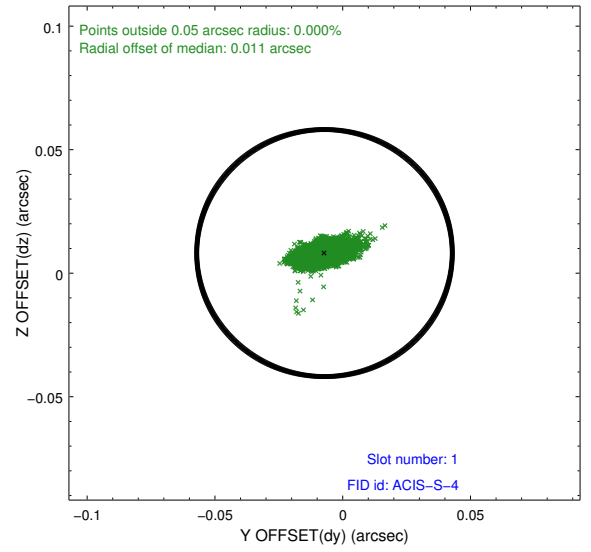
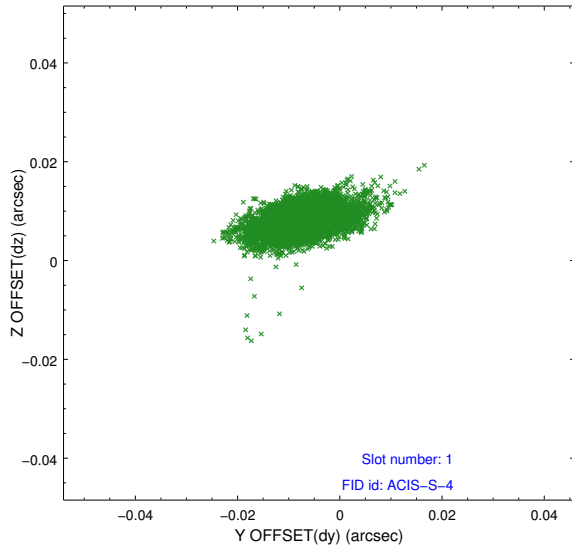


2.5 FID Slots

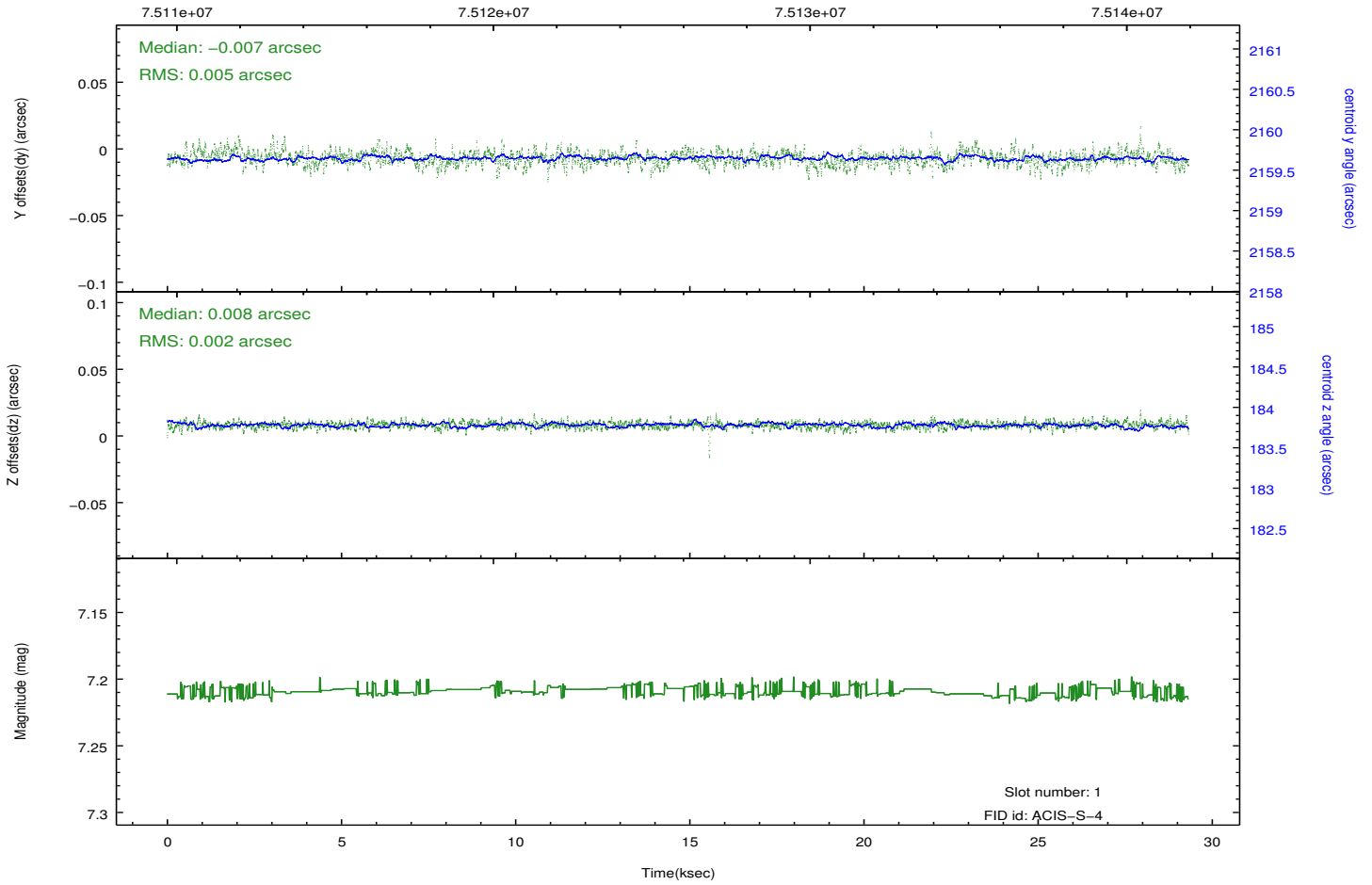
2.5.1 Slot 0



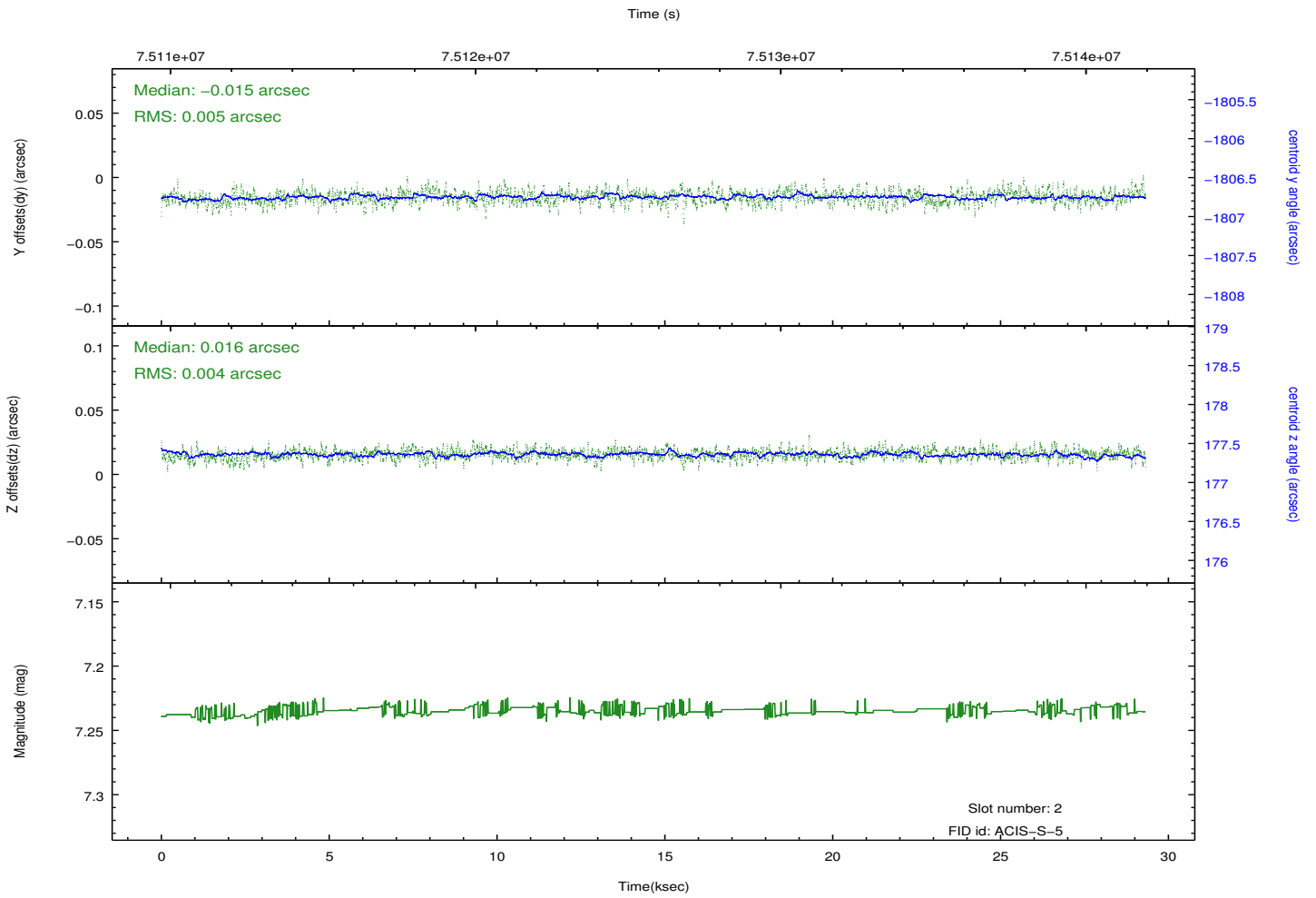
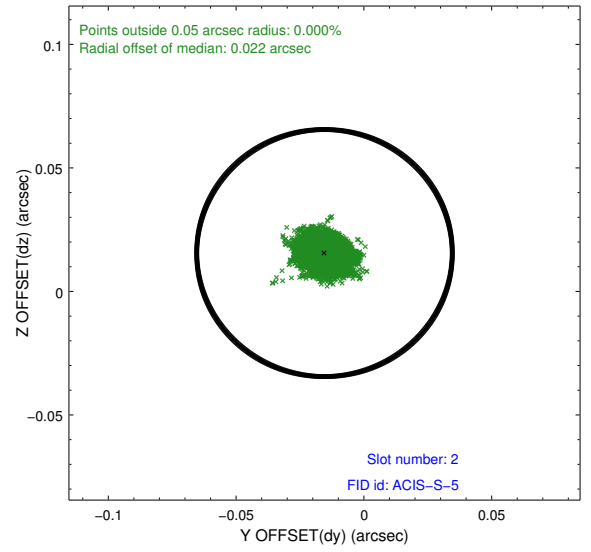
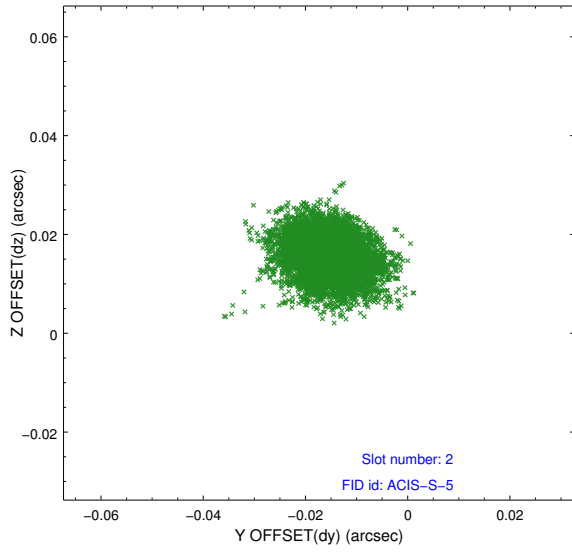
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.848

A.2 Comments