

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2942 - L2 Version 3
Chandra X-Ray Center

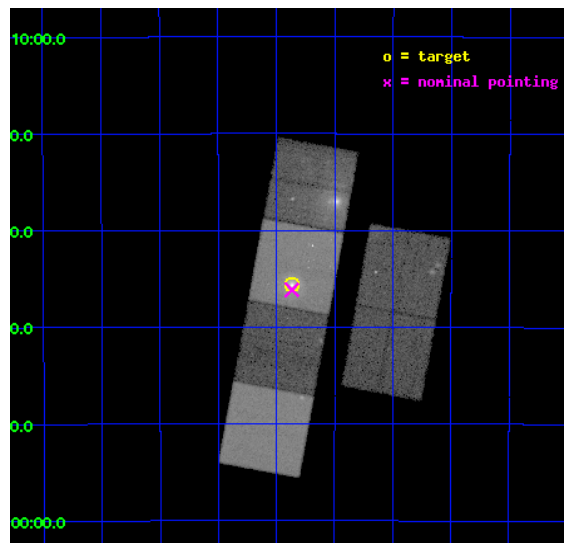
L2 Processing Date : Oct 22 2012

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1 Front

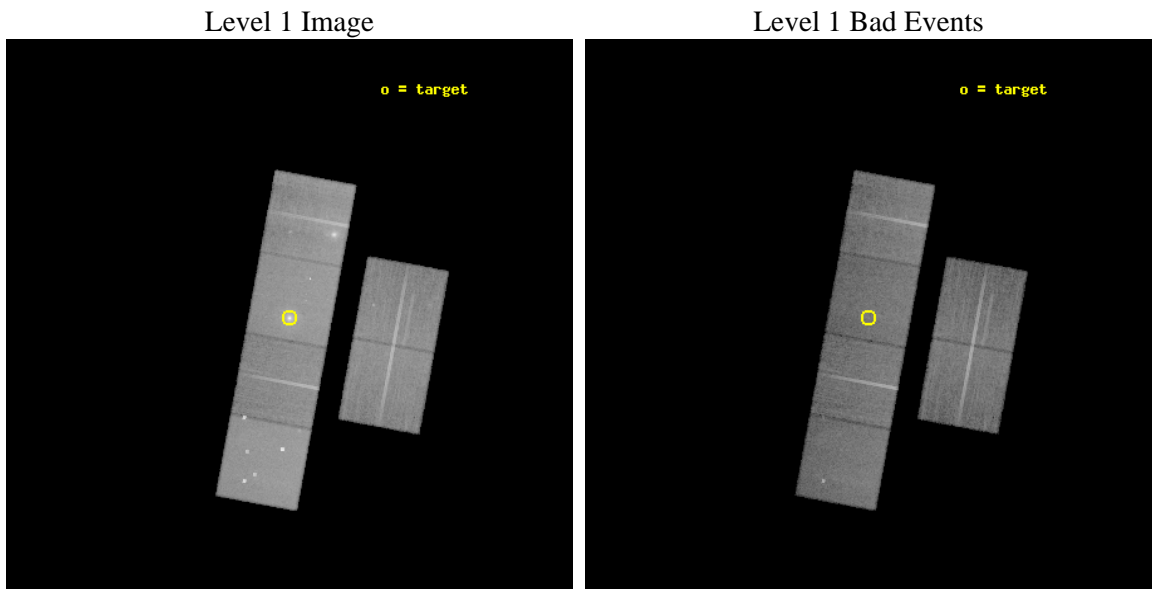
seq_num	600279	Sequence number
obs_id	2942	Observation id
title	NGC1404: INTERACTION WITH FORNAX GAS, COOLING FLOWS, AND THE METALLICITY PROBLEM	Proposal title
observer	Professor JIMMY IRWIN	Principal investigator
object	NGC1404	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.716667	Observer's specified target RA [deg]
dec_targ	-35.592778	Observer's specified target Dec [deg]
ra_nom	54.716758364419	Nominal RA [deg]
dec_nom	-35.602423010264	Nominal Dec [deg]
roll_nom	280.48100762243	Nominal Roll [deg]
revision	3	Processing version of data
ontime	29619.19988966	Sum of GTIs [s]
livetime	29244.143746116	Livetime [s]
ontime2	29615.958919376	Sum of GTIs [s]
ontime3	29615.958919406	Sum of GTIs [s]
ontime5	29619.19988966	Sum of GTIs [s]
ontime6	29619.19988966	Sum of GTIs [s]
ontime7	29619.19988966	Sum of GTIs [s]
ontime8	29612.717949152	Sum of GTIs [s]
l2events	392400	Number of level 2 events



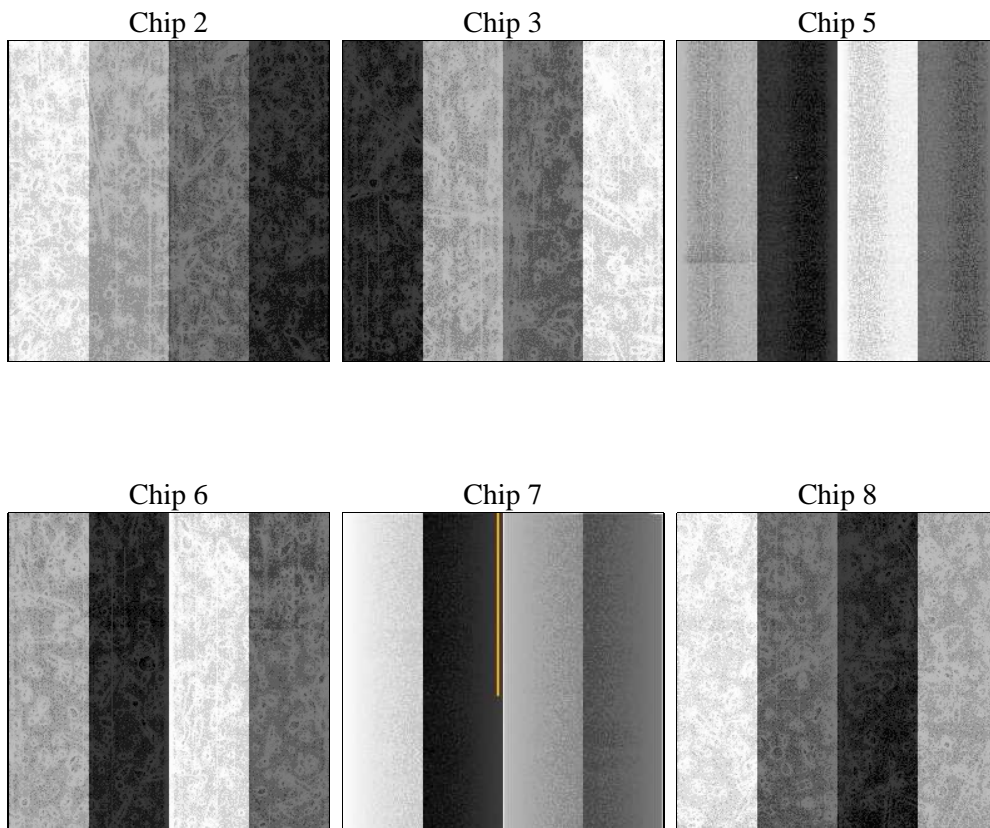
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29866.436000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29619.19988966	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	29615.958919376	Sum of GTIs [s]
date	2012-10-22T07:50:49	Date and time of file creation	ontime3	29615.958919406	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	29619.19988966	Sum of GTIs [s]
			ontime6	29619.19988966	Sum of GTIs [s]
			ontime7	29619.19988966	Sum of GTIs [s]
			ontime8	29612.717949152	Sum of GTIs [s]
			l1events	1456182	Number of level 1 events

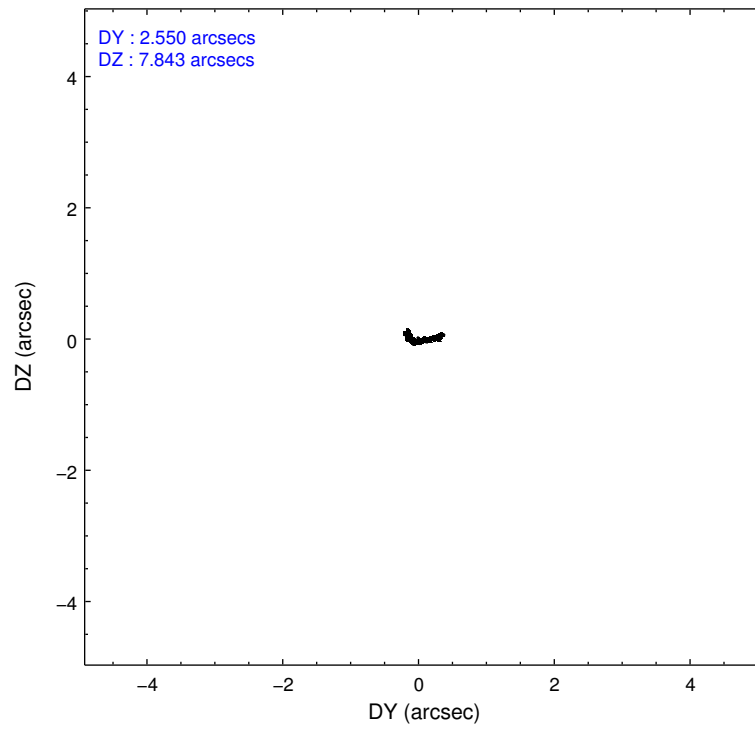
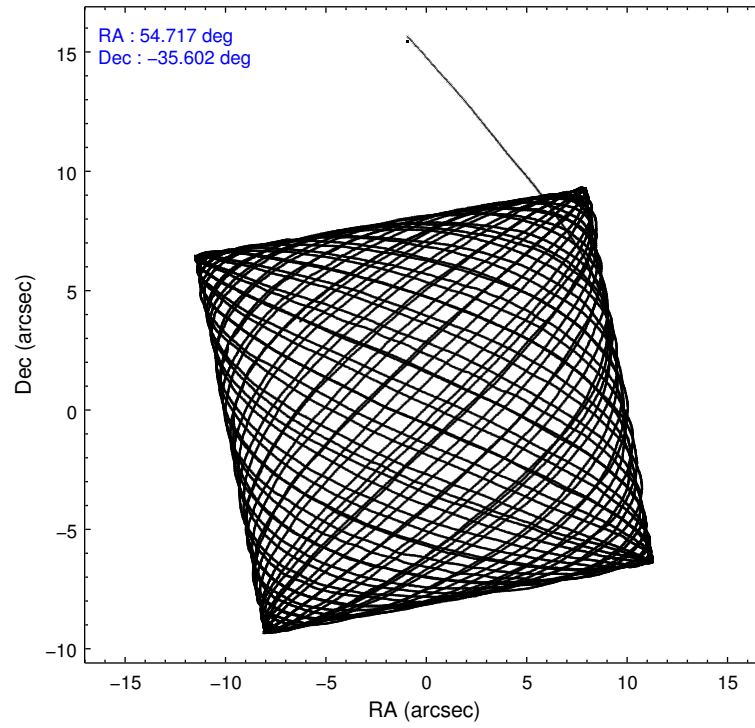
2.1.4 Events

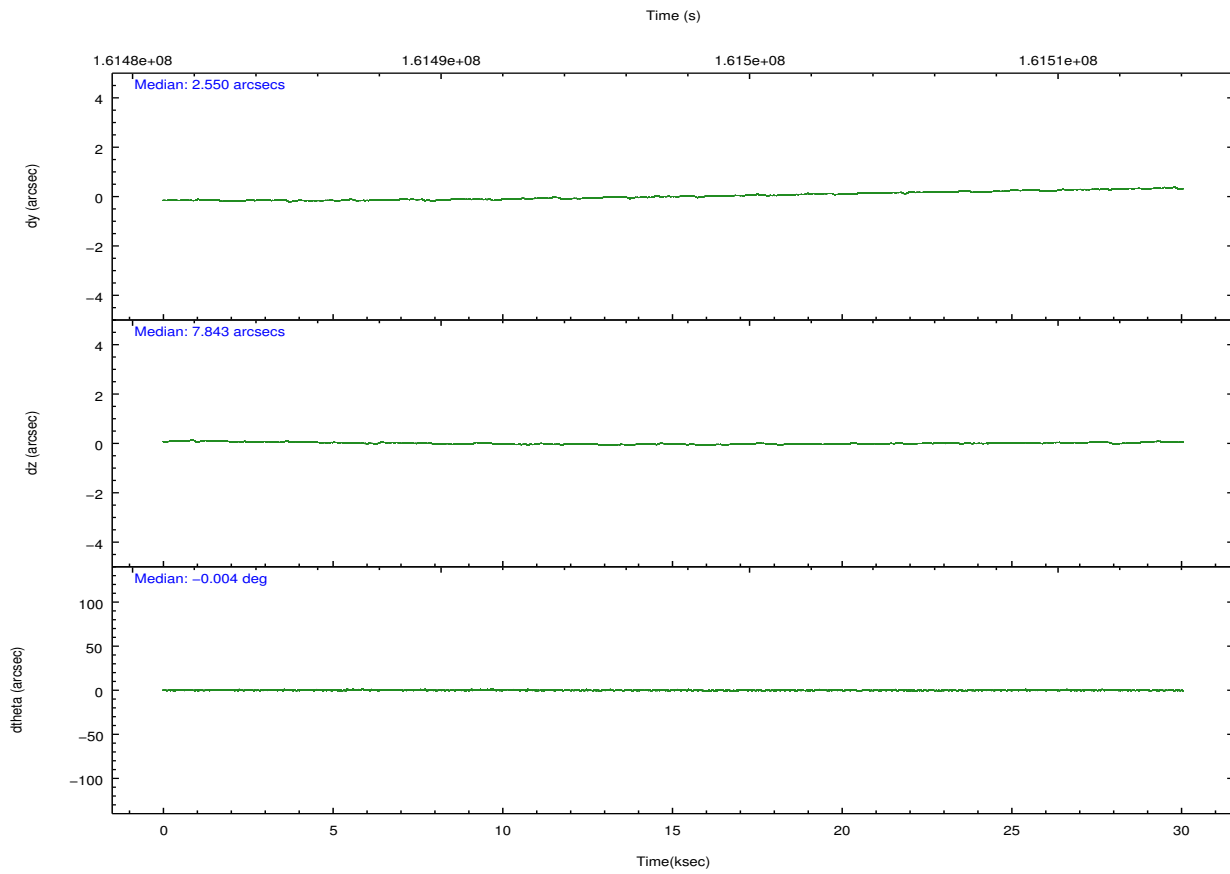
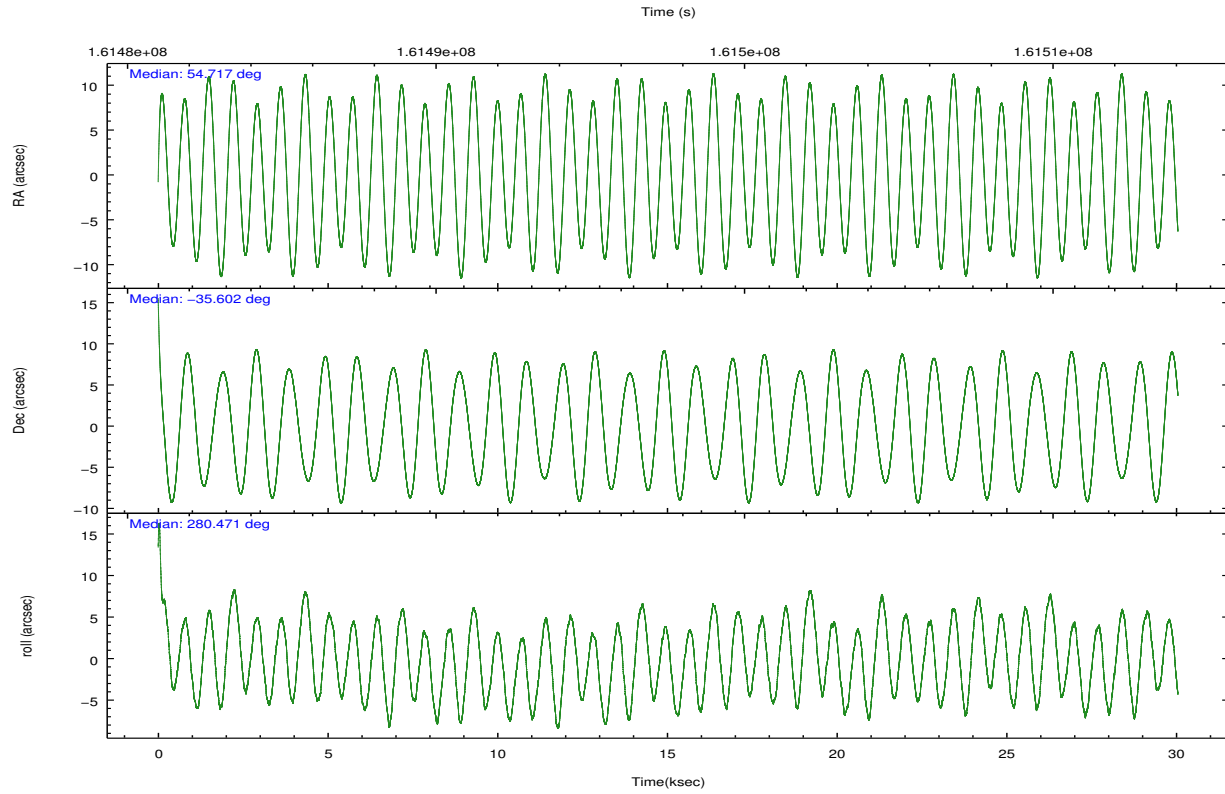
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	199390	188963	298142	198050	296350	275287	grade 0 events	12450	14872	27948	13595	25523	44974
rejected events	173847	161112	152196	170185	147670	192918		6%	7%	9%	6%	8%	16%
rejected %	87%	85%	51%	85%	49%	70%	grade 1 events	124	131	391	93	241	273
								0%	0%	0%	0%	0%	0%
							grade 2 events	4862	4603	39632	5000	32185	13052
								2%	2%	13%	2%	10%	4%
							grade 3 events	2189	2284	5680	2374	14629	5762
								1%	1%	1%	1%	4%	2%
							grade 4 events	2303	2337	5808	2267	14362	5551
								1%	1%	1%	1%	4%	2%
							grade 5 events	7447	8126	21097	8521	24267	11120
								3%	4%	7%	4%	8%	4%
							grade 6 events	3741	3760	66909	4637	62014	13051
								1%	1%	22%	2%	20%	4%
							grade 7 events	166274	152850	130677	161563	123129	181504
								83%	80%	43%	81%	41%	65%

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	54.694677	54.71675836441941	Subarray requested	NONE	NONE
[deg] Pointing Dec	-35.581975	-35.6024230102644	Alternating exposures requested	N	N
[deg] Pointing Roll	280.311523	280.4810076224272	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	161482670.184000	161481690.12293			
Observation start date	2003-02-13T00:16:46	2003-02-13T00:01:30			
[s] Observation end time (MET)	161512536.184000	161512850.63674			
Observation end date	2003-02-13T08:34:32	2003-02-13T08:40:50			
Read mode	TIMED	TIMED			

2.3 Aspect



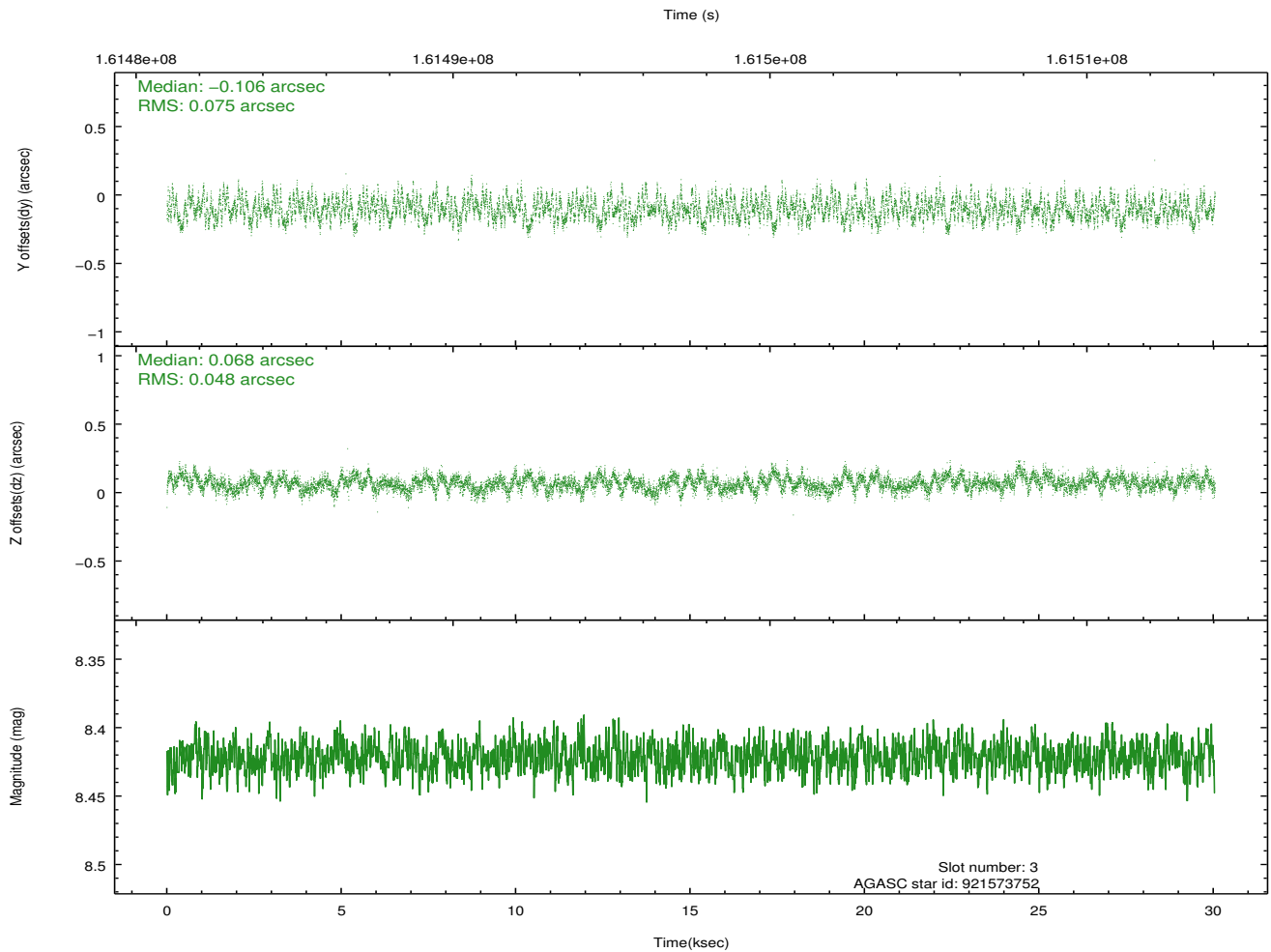
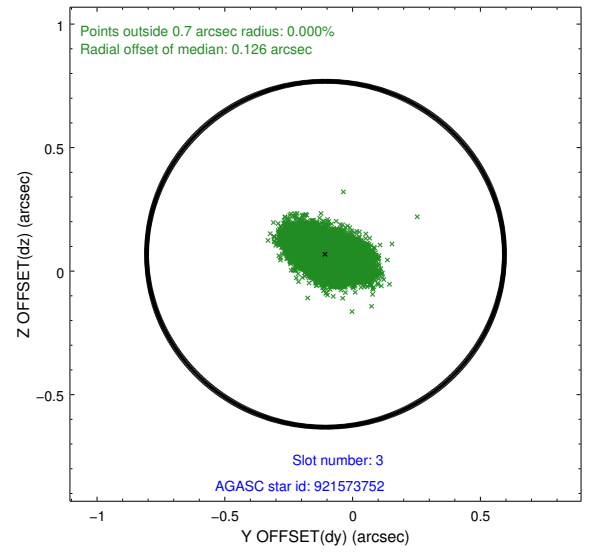
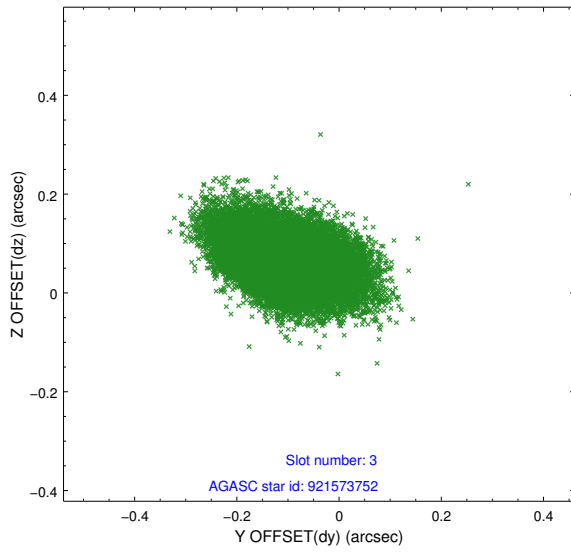


Slot Statistics

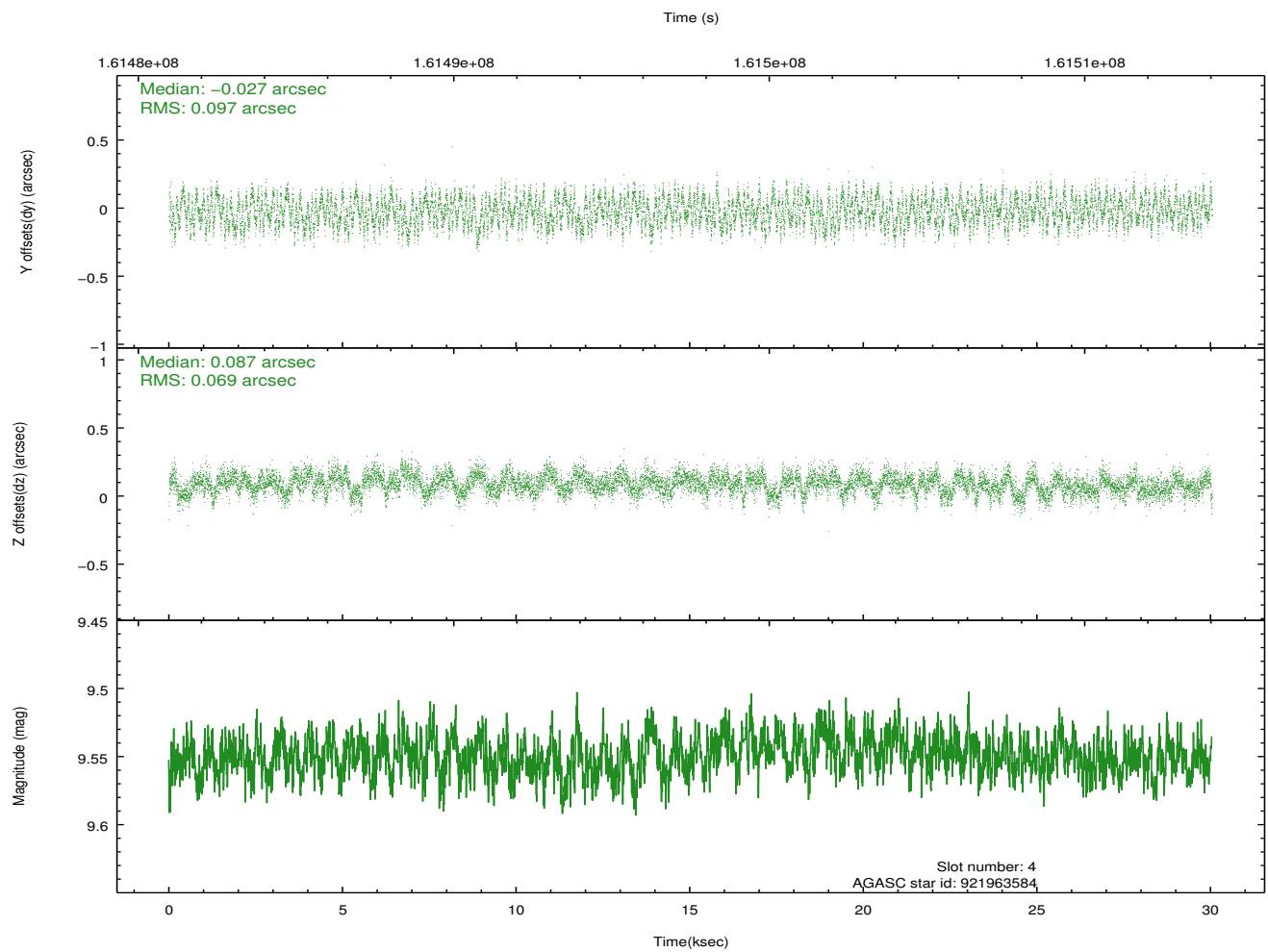
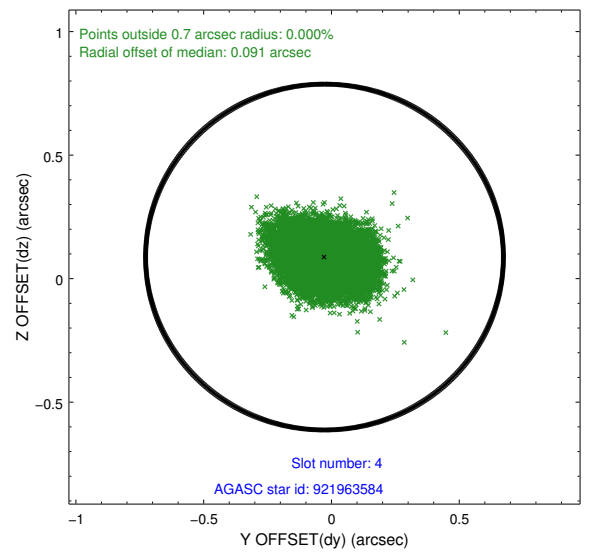
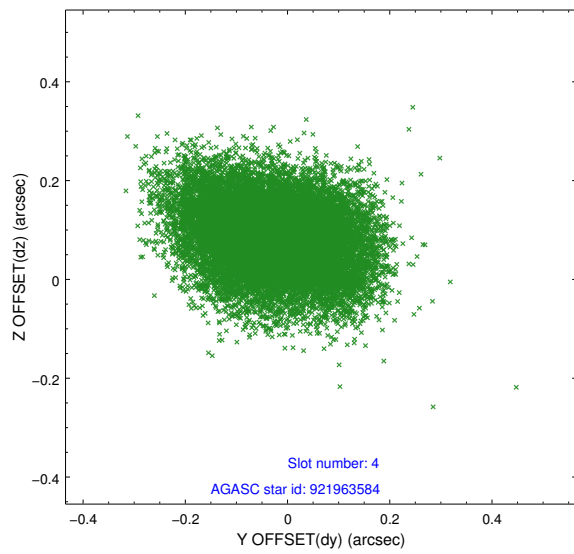
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7329	-0.013	-0.006	0.007	0.011	0.000000	0.000000	-755.23	-1729.04
1	FID	ACIS-S-4	7.20	7329	-0.024	0.008	0.008	0.015	0.000000	0.000000	2158.01	179.37
2	FID	ACIS-S-5	7.24	7329	0.006	0.007	0.010	0.017	0.000000	0.000000	-1807.95	173.14
3	GUIDE	921573752	8.42	14659	-0.106	0.068	0.094	0.156	55.297577	-34.906150	-2069.98	2185.87
4	GUIDE	921963584	9.55	14655	-0.027	0.087	0.129	0.201	55.242973	-35.012099	-1725.01	1957.40
5	GUIDE	921967072	7.70	14658	0.135	-0.080	0.086	0.136	54.269247	-36.292226	2297.91	-1672.02
6	GUIDE	921970112	9.57	14646	-0.011	-0.066	0.103	0.166	54.291262	-35.695592	194.32	-1233.89
7	GUIDE	921970016	9.40	14652	0.007	-0.009	0.080	0.129	54.228536	-36.081558	1530.51	-1655.76

2.4 Star Slots

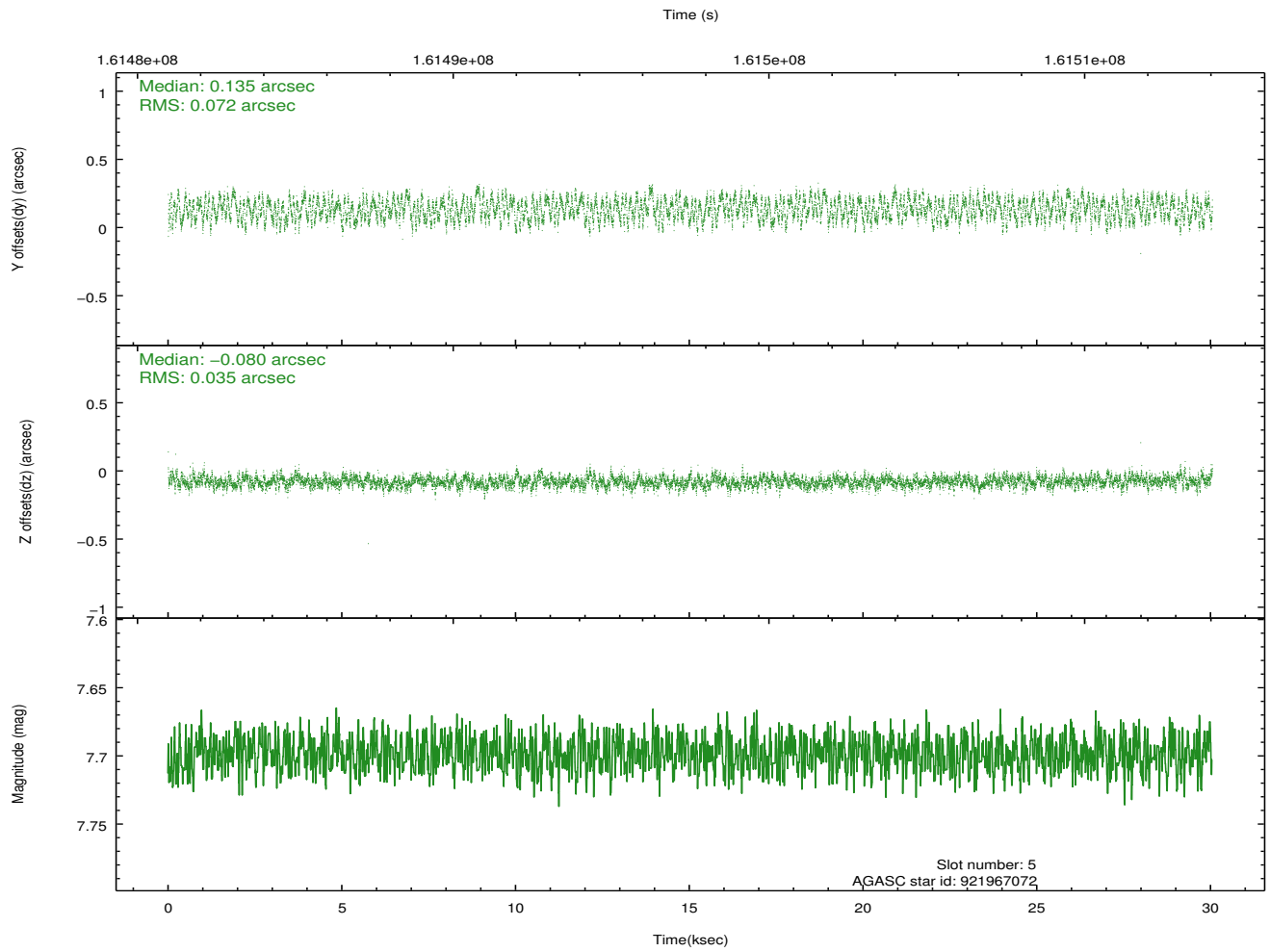
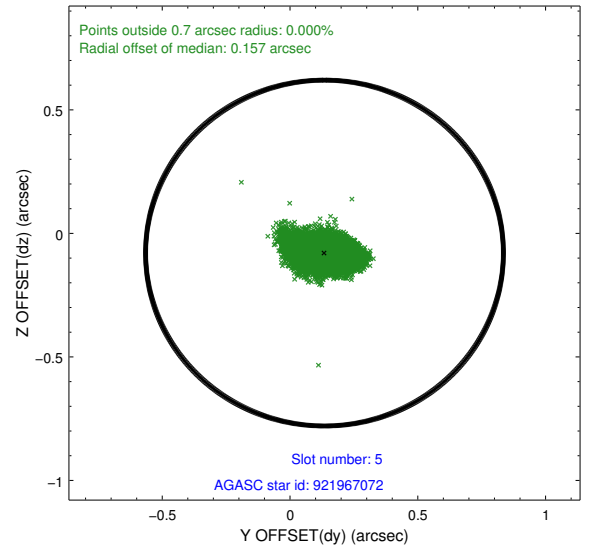
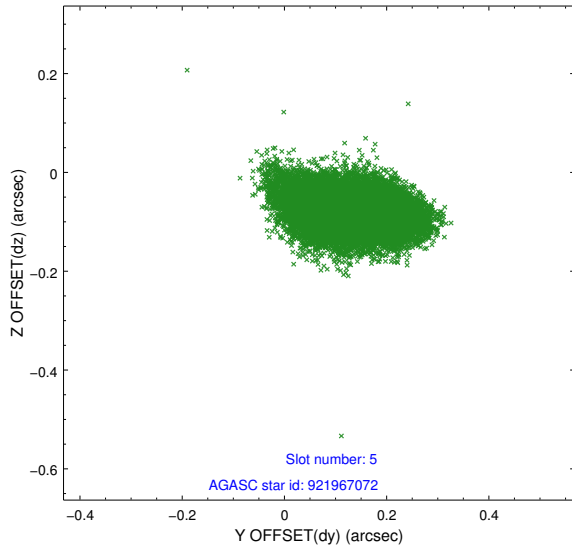
2.4.1 Slot 3



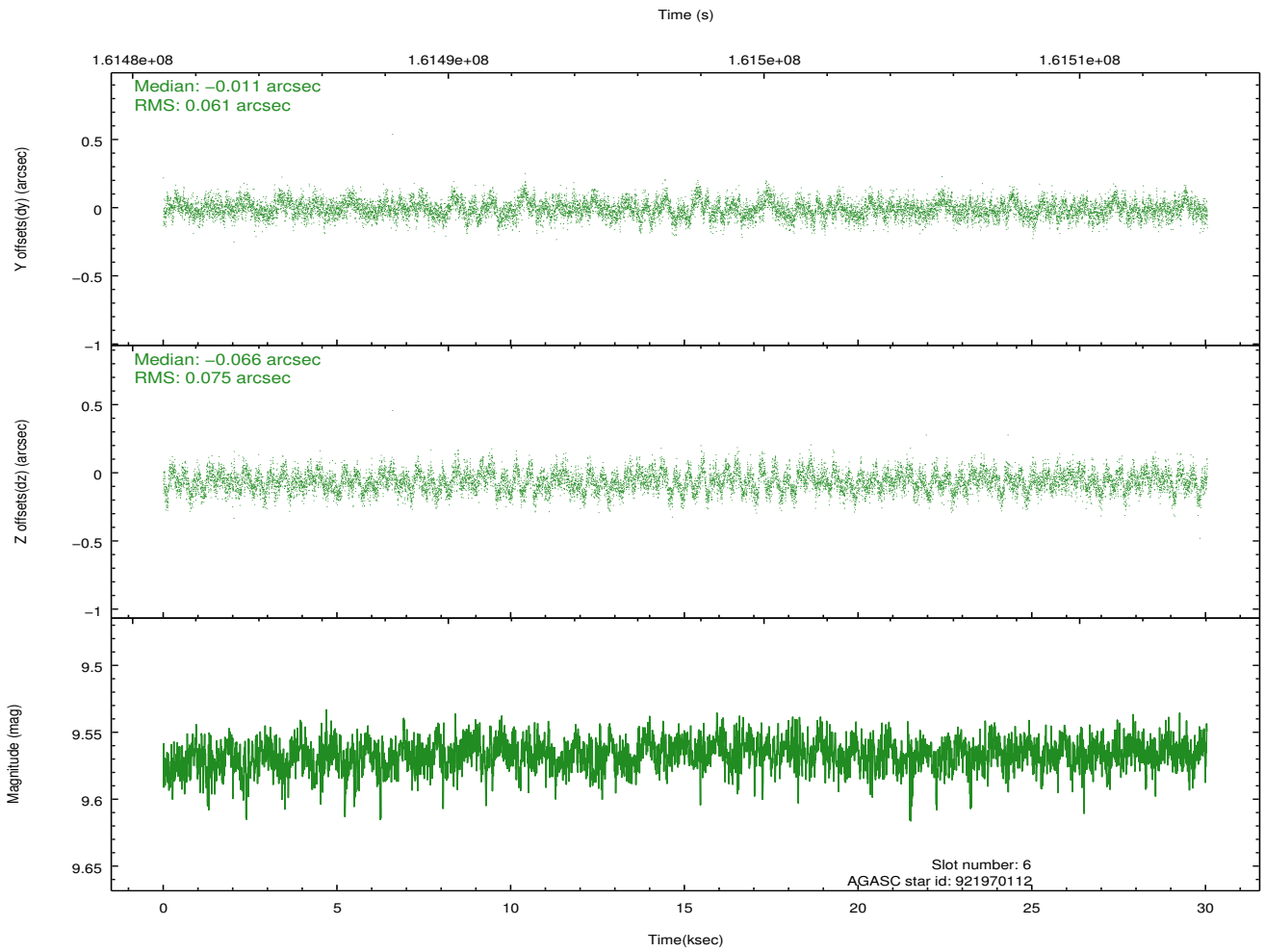
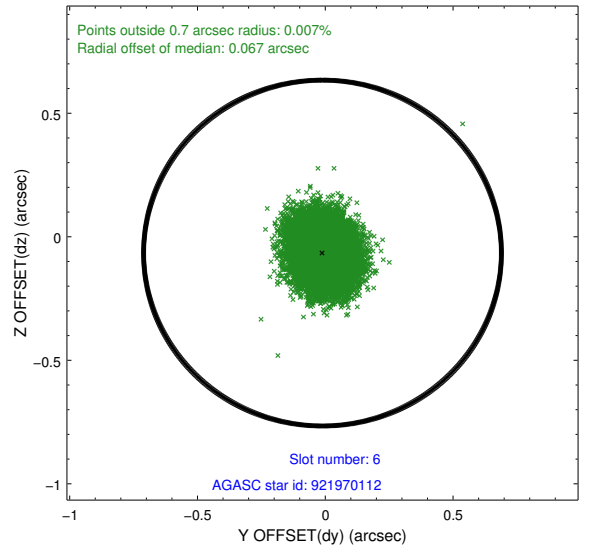
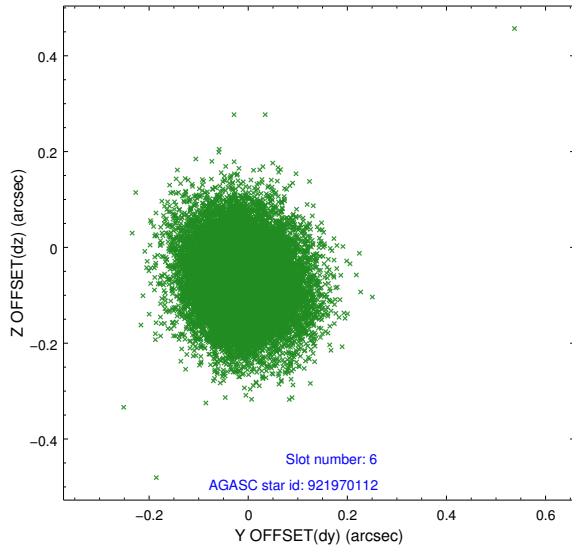
2.4.2 Slot 4



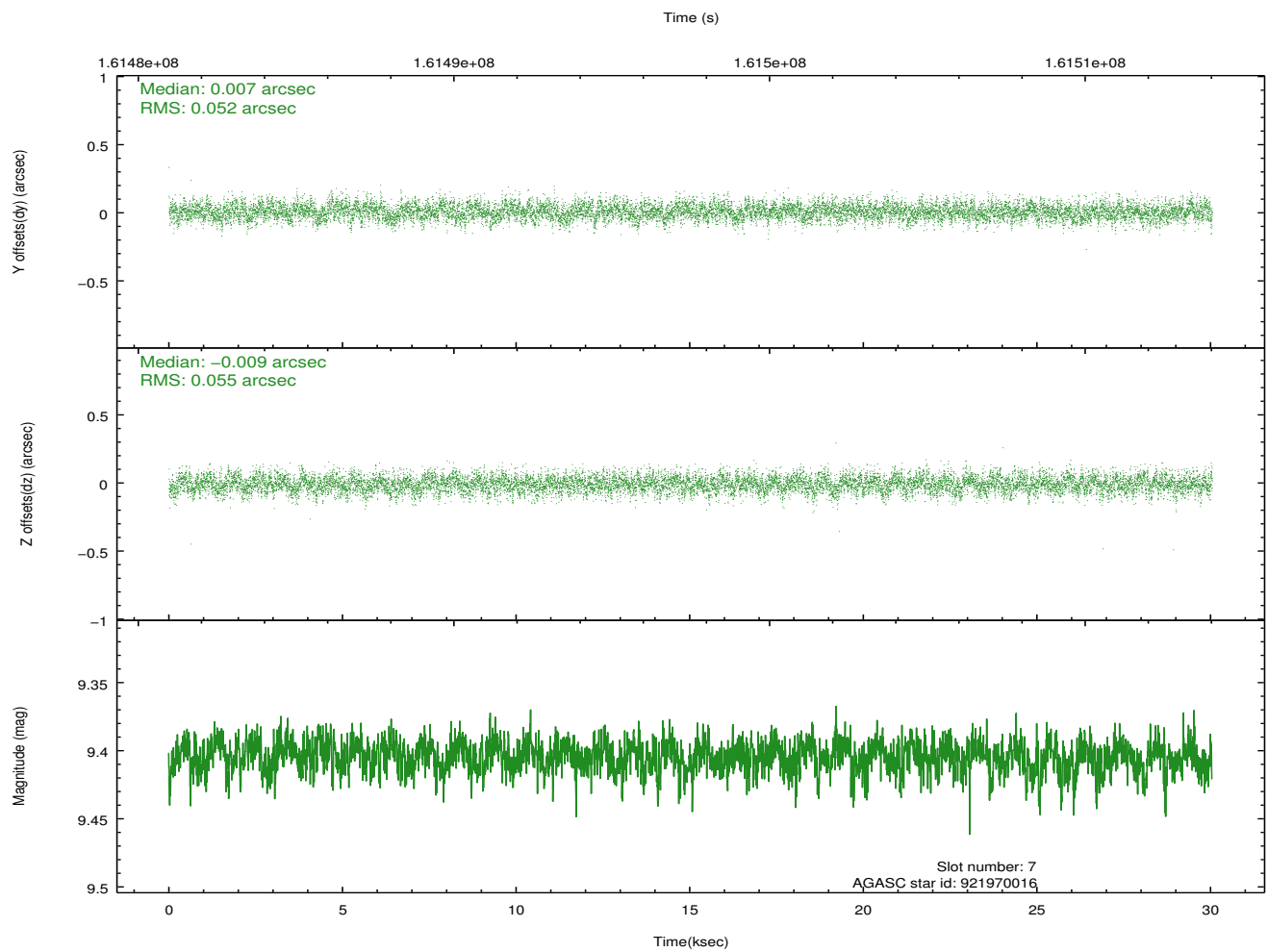
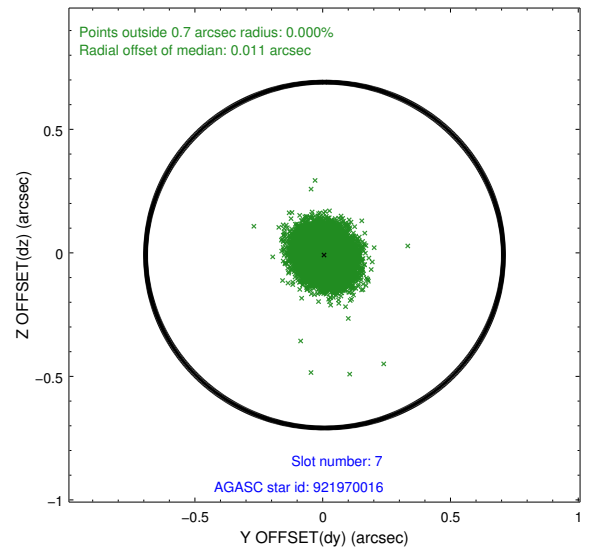
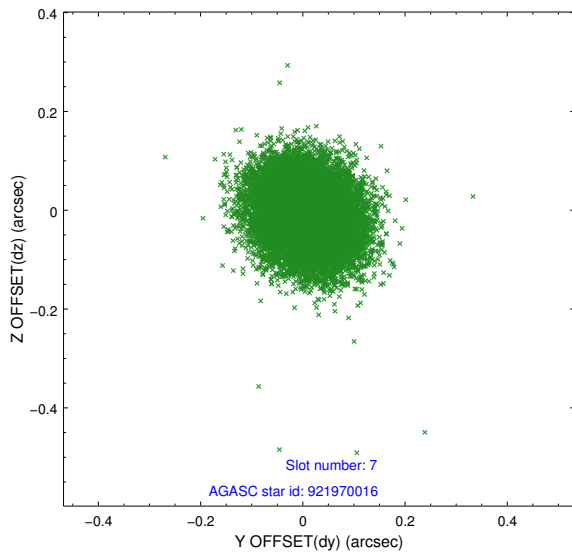
2.4.3 Slot 5



2.4.4 Slot 6

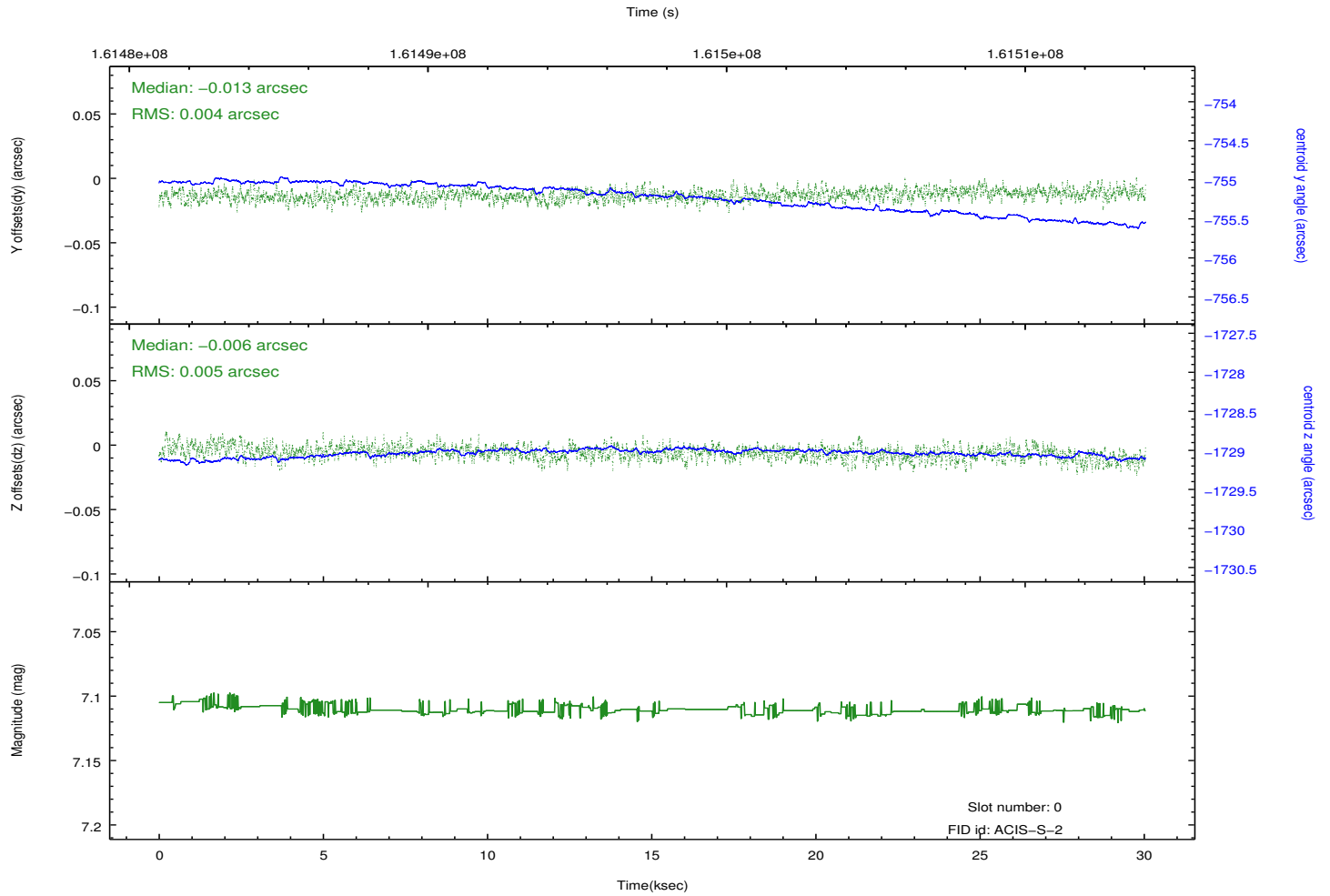
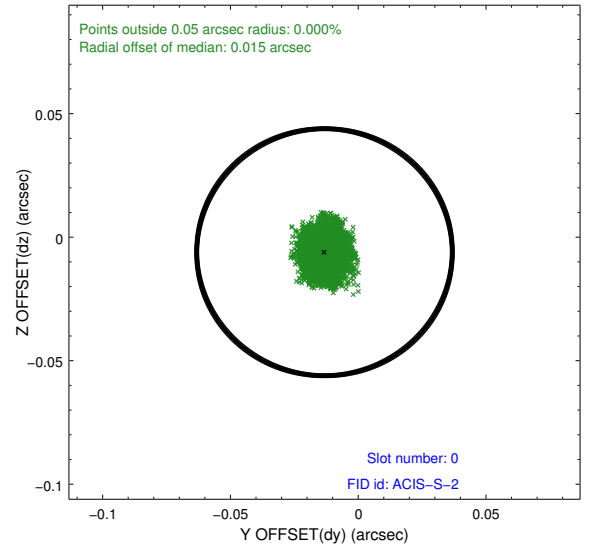
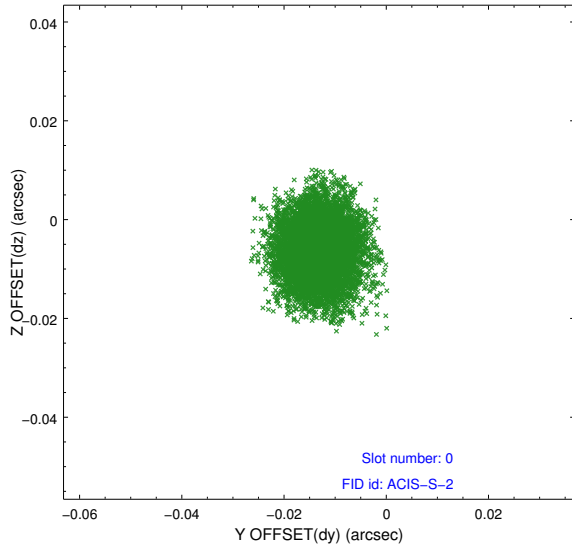


2.4.5 Slot 7

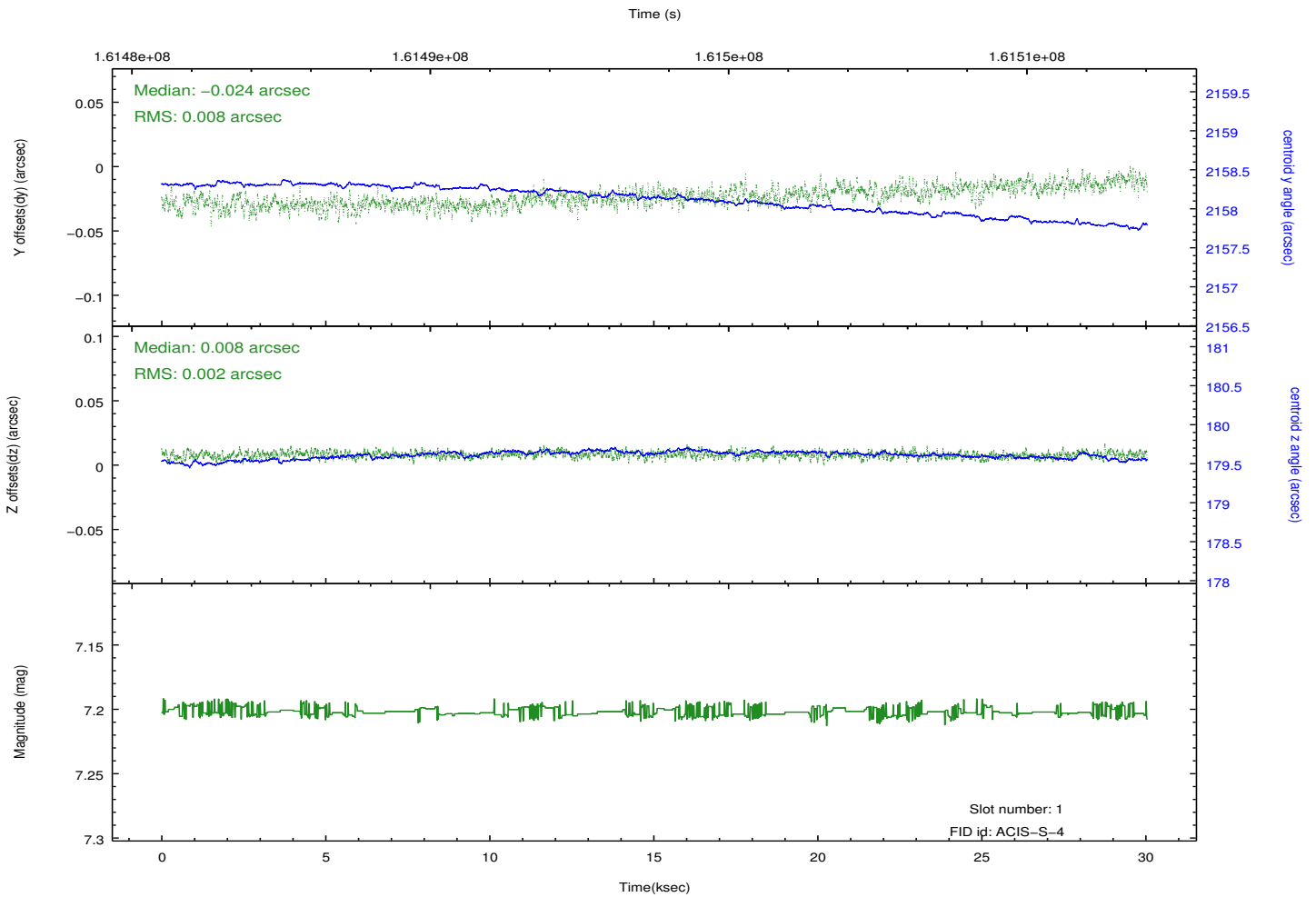
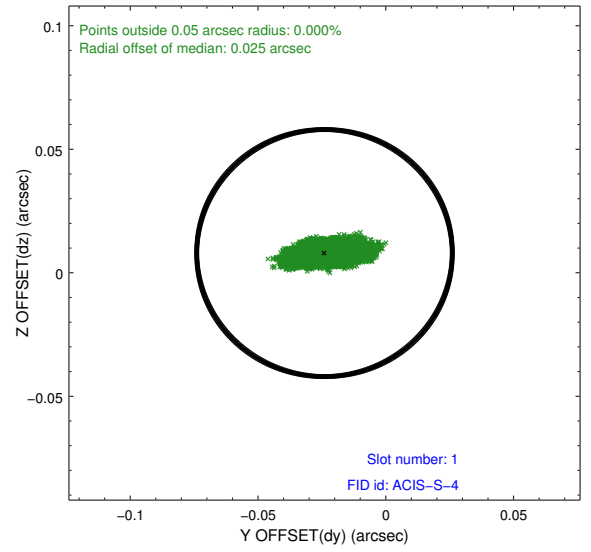
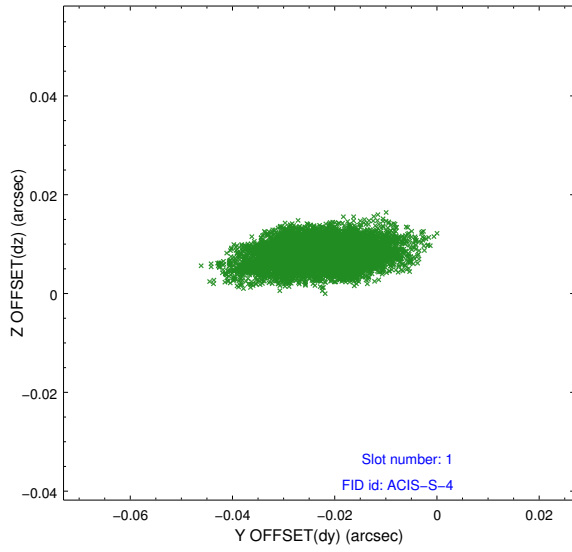


2.5 FID Slots

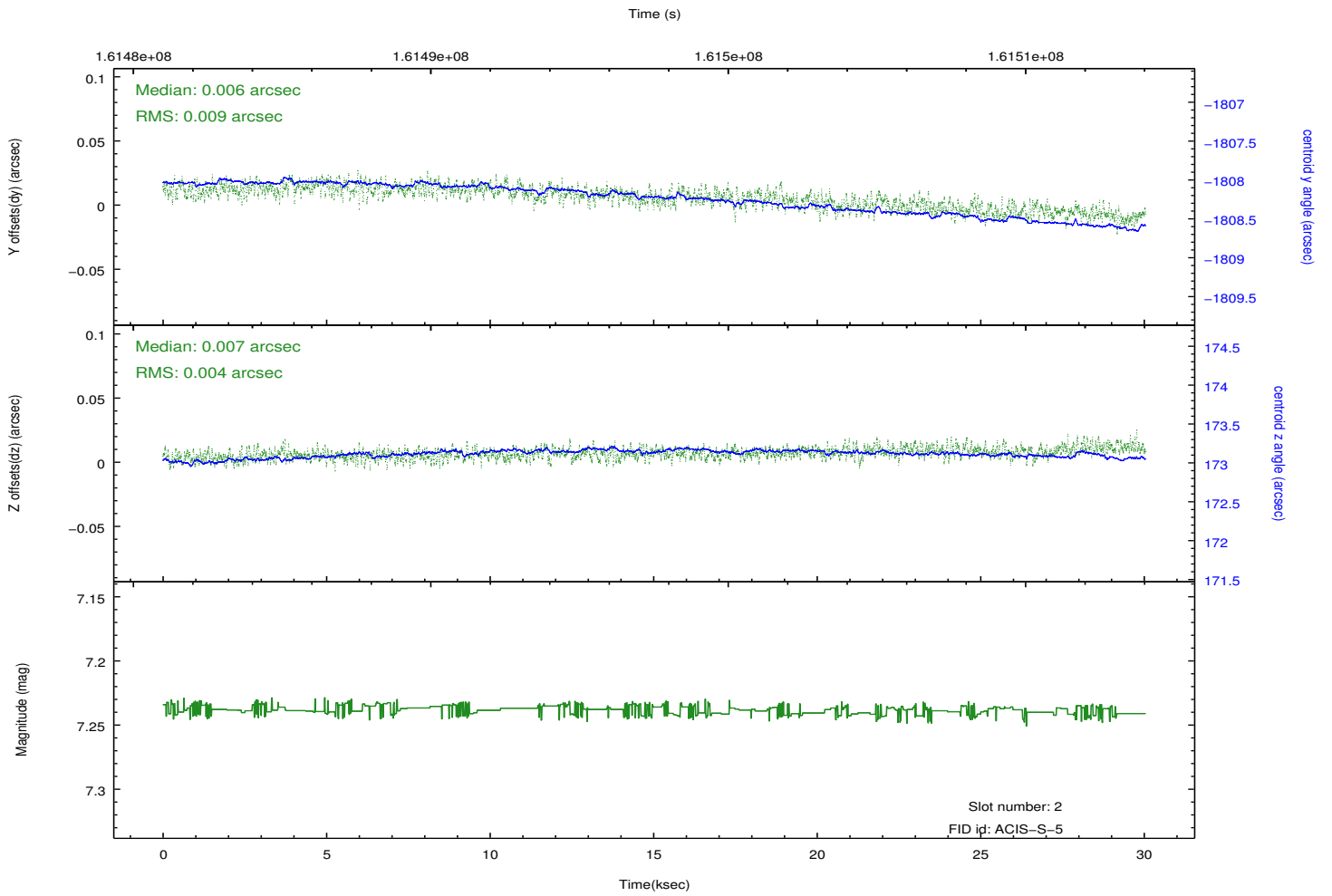
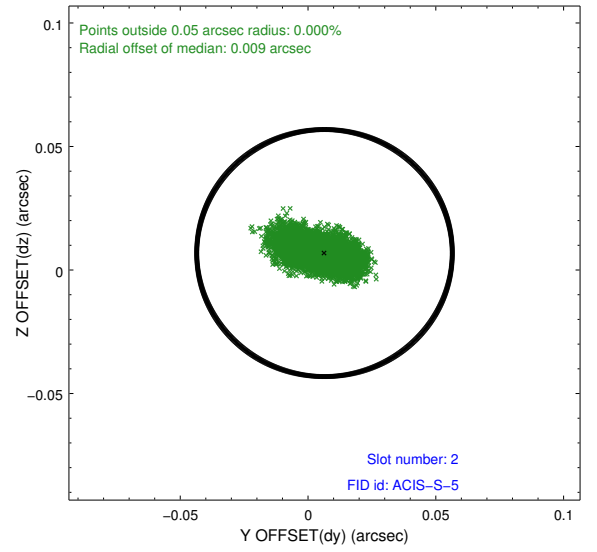
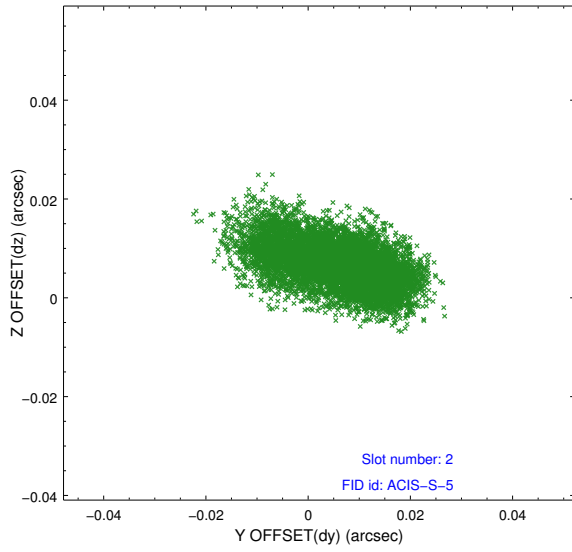
2.5.1 Slot 0



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)	2012.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.622

A.2 Comments