

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14207 - L2 Version 2
Chandra X-Ray Center

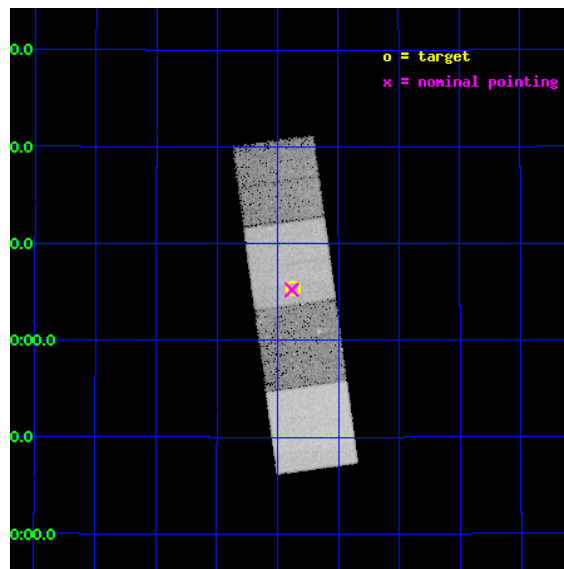
L2 Processing Date : Feb 29 2012

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1 Front

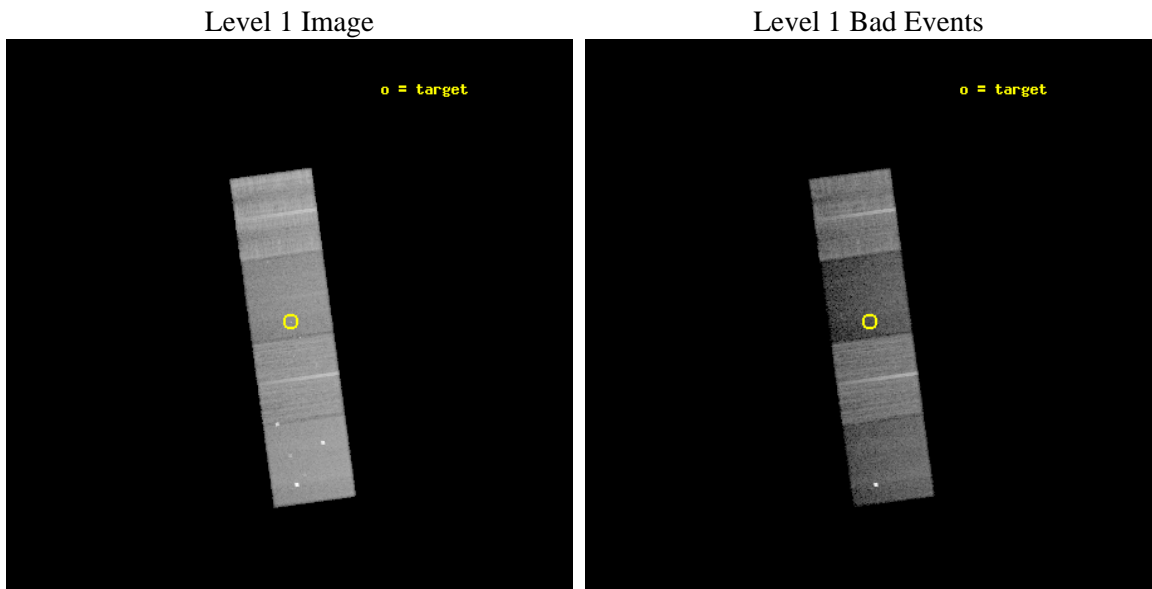
seq_num	501784	Sequence number
obs_id	14207	Observation id
title	The proper motion of the nearby radio-quiet gamma-ray pulsar PSR J0357+3205	Proposal title
observer	Dr Andrea De Luca	Principal investigator
object	PSR J0357+3205	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	59.467917	Observer's specified target RA [deg]
dec_targ	32.089056	Observer's specified target Dec [deg]
ra_nom	59.470634651772	Nominal RA [deg]
dec_nom	32.087080492388	Nominal Dec [deg]
roll_nom	262.14827656539	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29381.800225973	Sum of GTIs [s]
livetime	28997.905375454	Livetime [s]
ontime5	29381.800225973	Sum of GTIs [s]
ontime6	29375.518225074	Sum of GTIs [s]
ontime7	29381.800225973	Sum of GTIs [s]
ontime8	29381.800225973	Sum of GTIs [s]
l2events	173203	Number of level 2 events



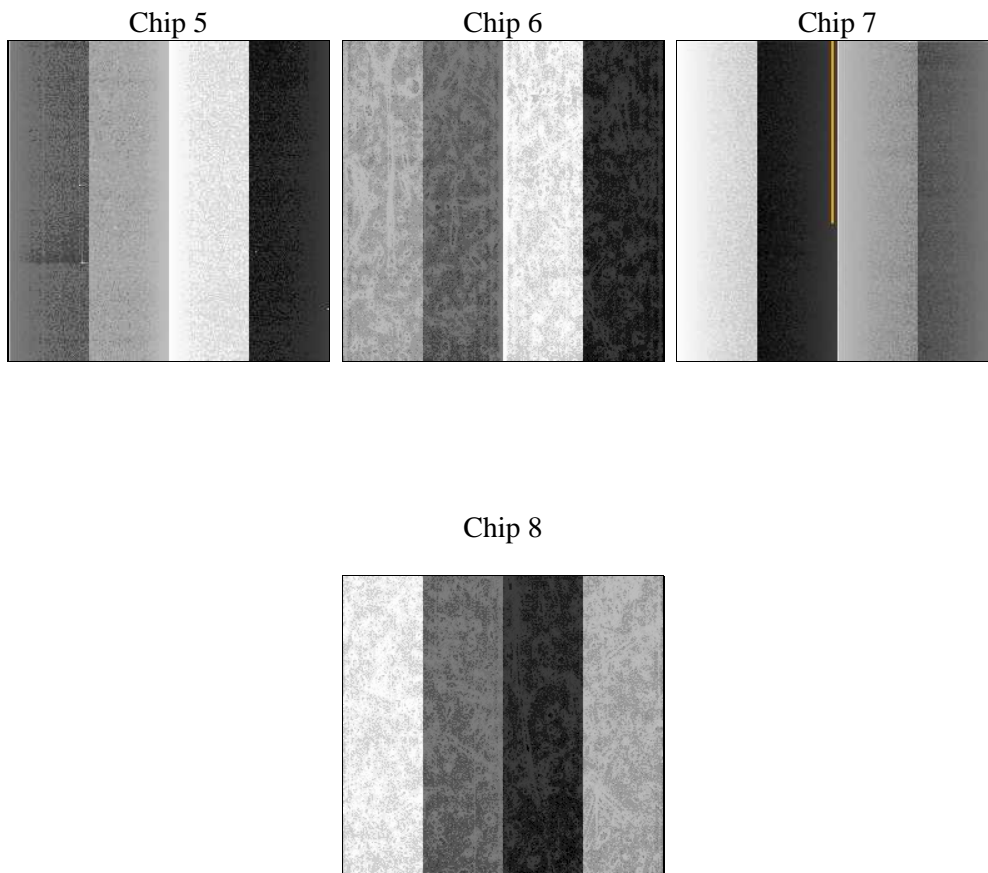
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29331.984000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	29381.800225973	Sum of GTIs [s]
caldbver	4.4.8	 	ontime5	29381.800225973	Sum of GTIs [s]
date	2012-02-29T13:19:48	Date and time of file creation	ontime6	29375.518225074	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	29381.800225973	Sum of GTIs [s]
			ontime8	29381.800225973	Sum of GTIs [s]
			l1events	621814	Number of level 1 events

2.1.4 Events

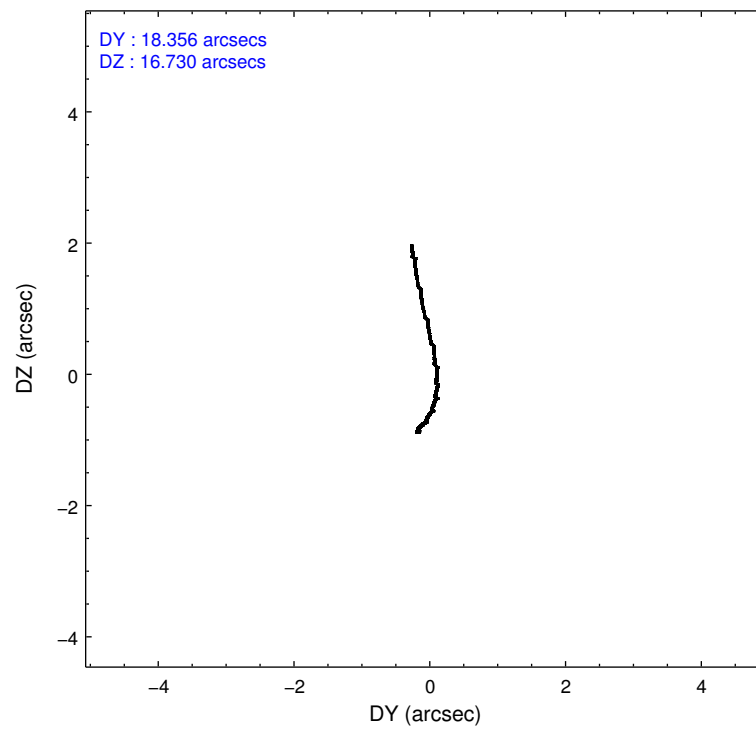
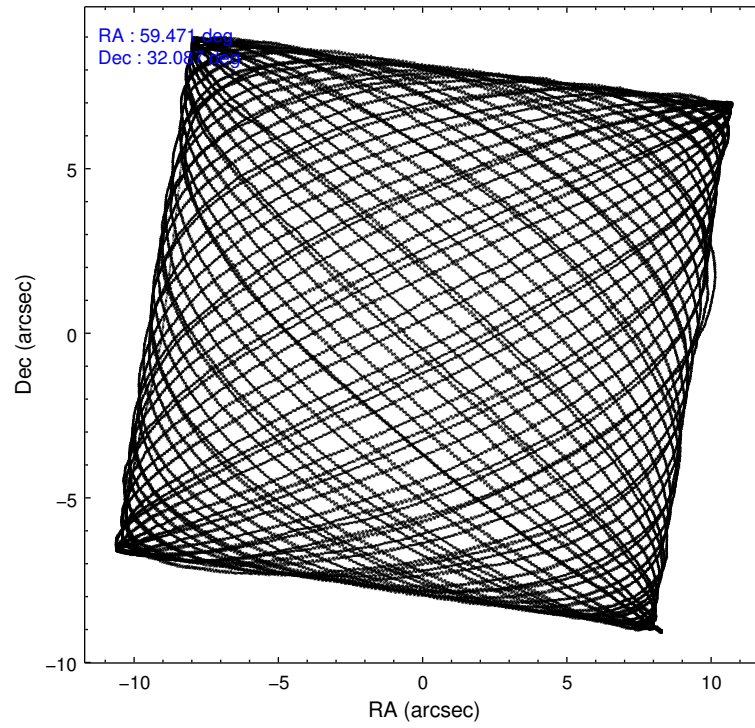
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	172077	151429	106655	191653
rejected events	72808	134567	47292	133742
rejected %	42%	88%	44%	69%

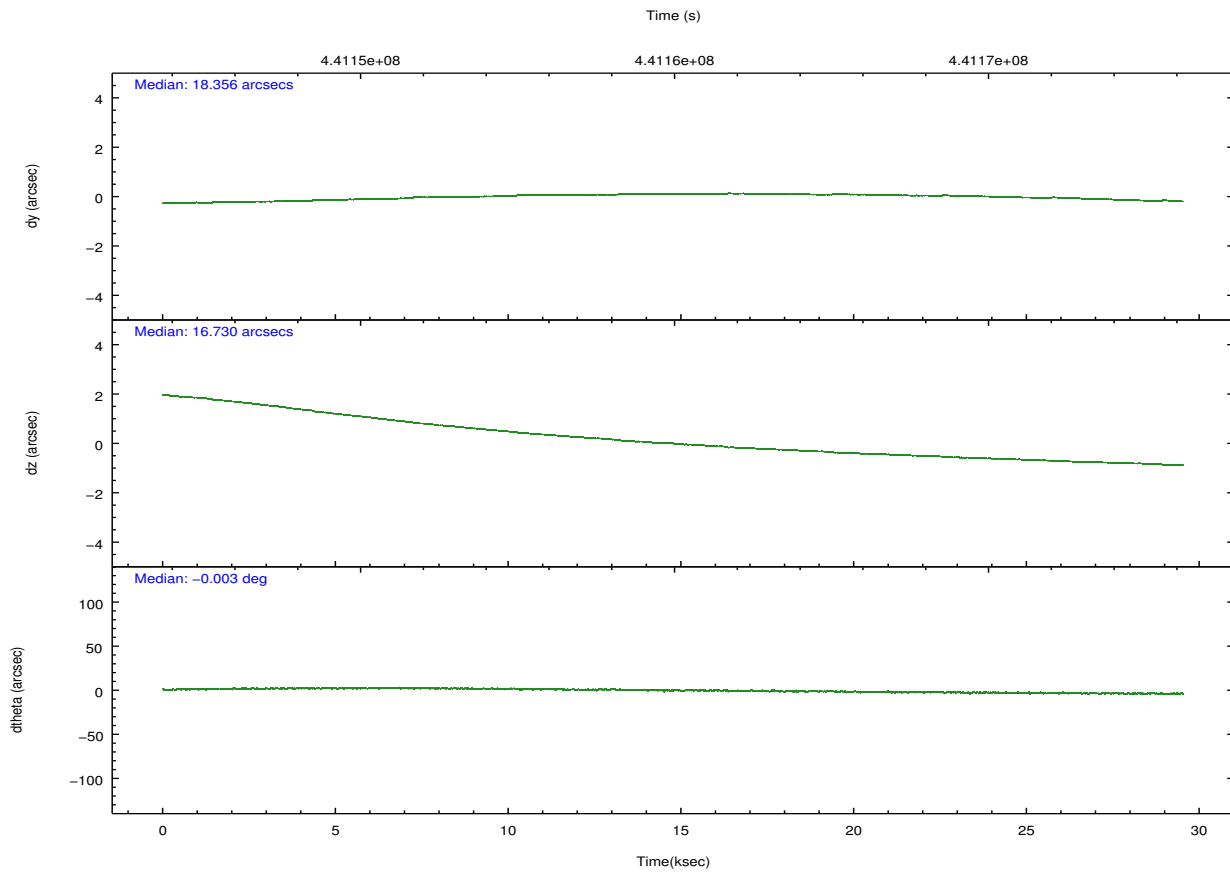
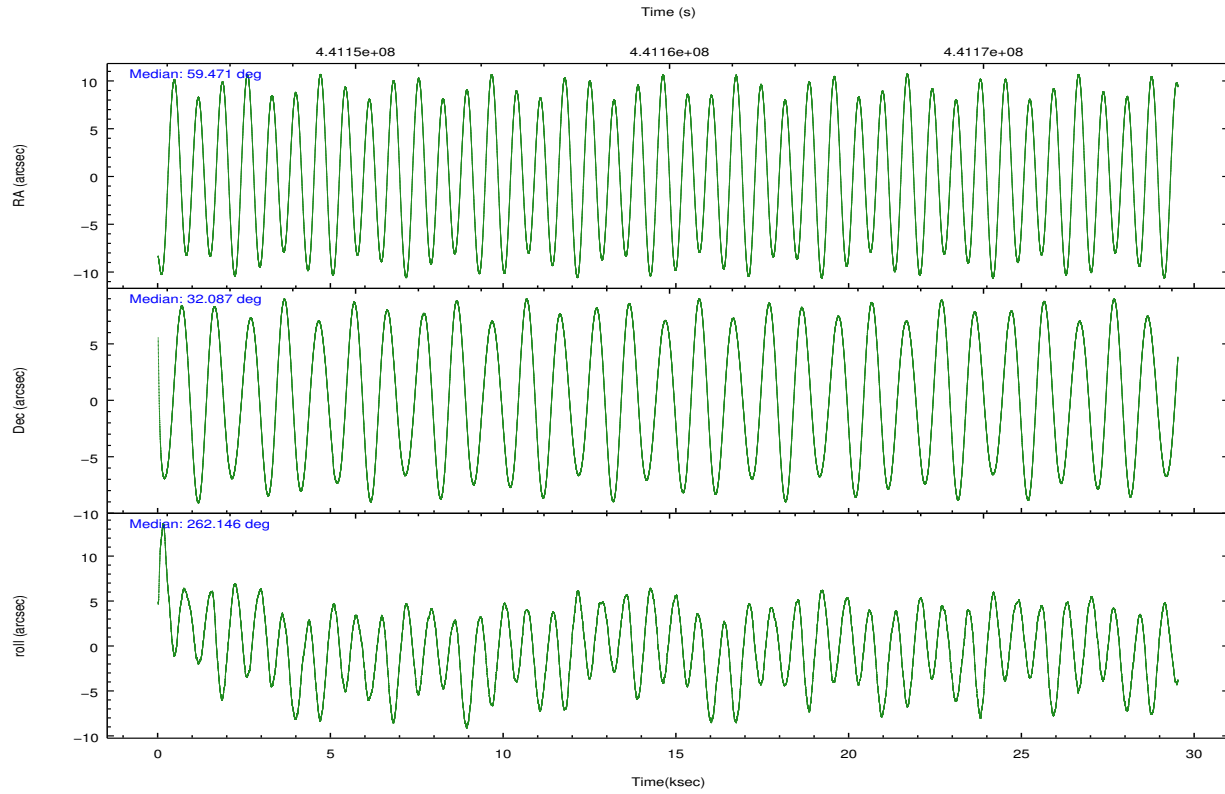
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	13443	7205	6537	16527
	7%	4%	6%	8%
grade 1 events	286	90	192	152
	0%	0%	0%	0%
grade 2 events	32968	3619	14661	14069
	19%	2%	13%	7%
grade 3 events	4341	1583	5912	6293
	2%	1%	5%	3%
grade 4 events	4517	1634	5727	5838
	2%	1%	5%	3%
grade 5 events	14051	3931	11419	6774
	8%	2%	10%	3%
grade 6 events	44013	2822	26535	15185
	25%	1%	24%	7%
grade 7 events	58458	130545	35672	126815
	33%	86%	33%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	59.458058	59.47063465177201	Subarray requested	NONE	NONE
[deg] Pointing Dec	32.112277	32.08708049238832	Alternating exposures requested	N	N
[deg] Pointing Roll	261.998336	262.1482765653922	[s] Primary exposure time	0.000000	3.1
[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)	441145383.184000	441144247.86312			
Observation start date	2011-12-24T20:21:57	2011-12-24T20:04:07			
[s] Observation end time (MET)	441174715.184000	441174942.00224			
Observation end date	2011-12-25T04:30:49	2011-12-25T04:35:42			
Read mode	TIMED	TIMED			

2.3 Aspect





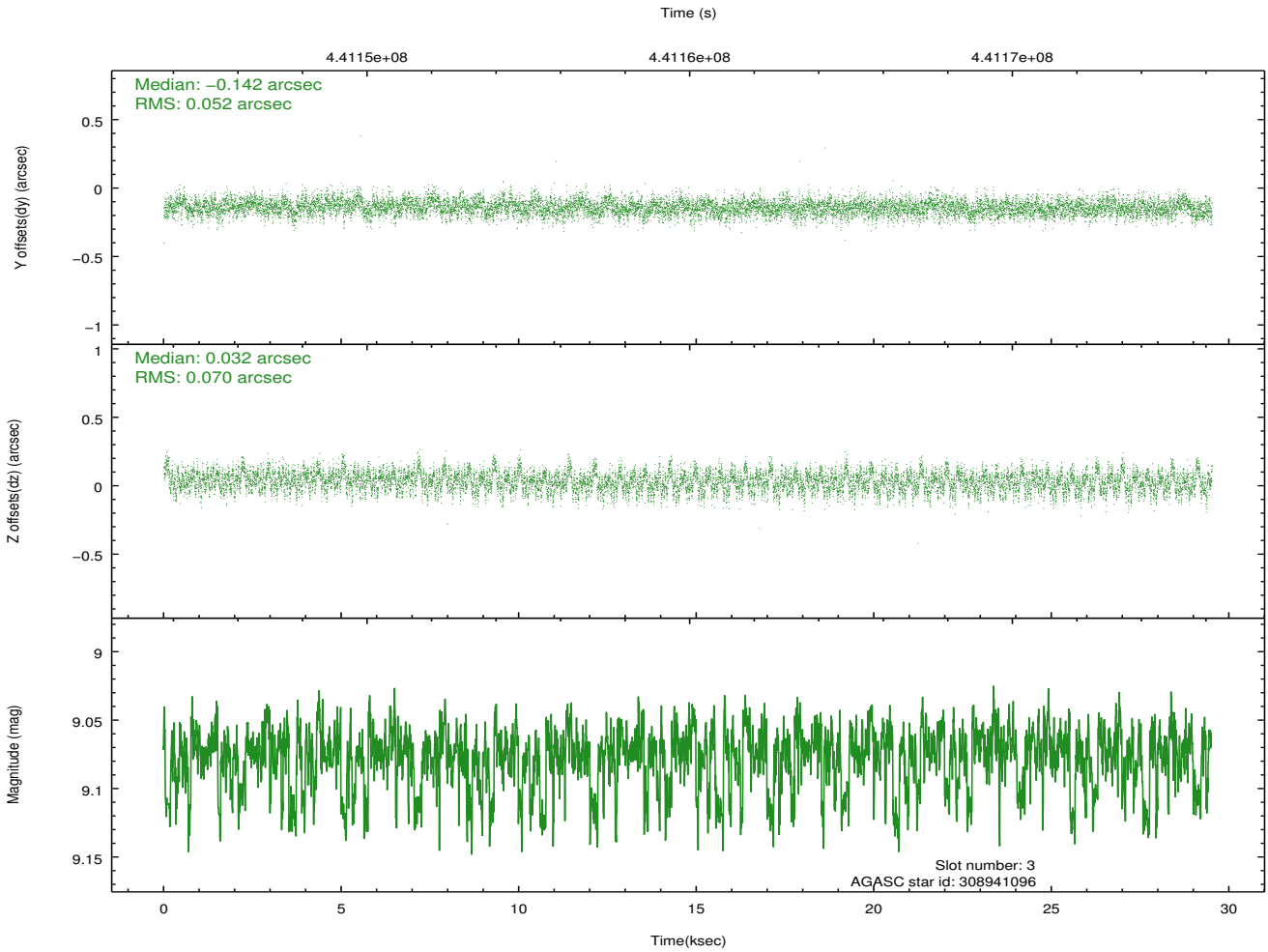
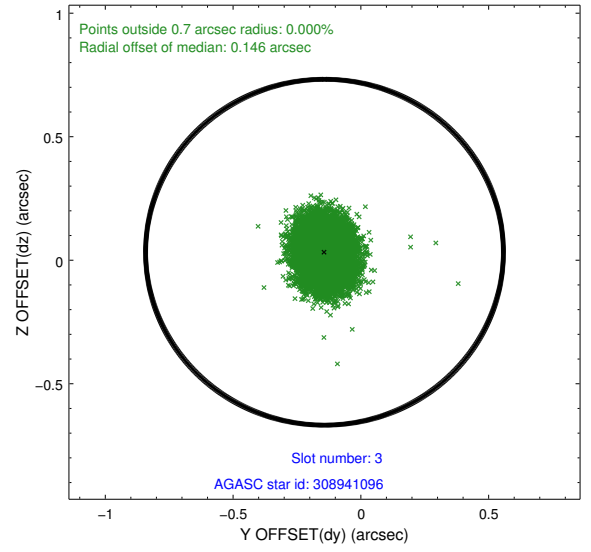
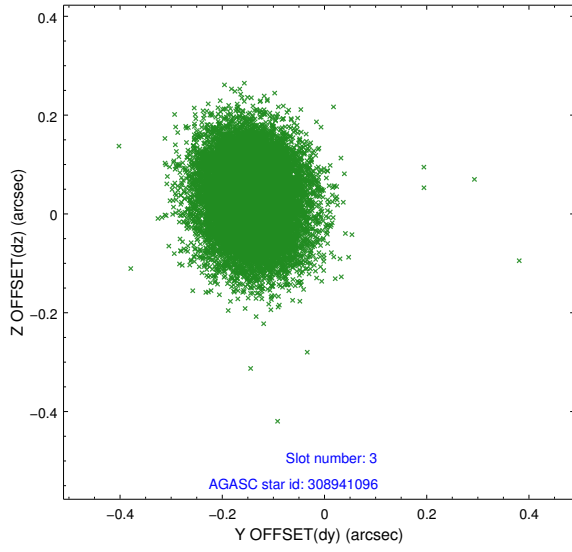
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	7199	-0.097	-0.019	0.025	0.045	0.000000	0.000000	-771.51	-1738.32
1	FID	ACIS-S-4	7.01	7199	0.259	0.054	0.012	0.018	0.000000	0.000000	2142.11	170.11
2	FID	ACIS-S-5	7.05	7199	-0.191	-0.025	0.023	0.039	0.000000	0.000000	-1824.32	163.86
3	GUIDE	308941096	9.08	14385	-0.142	0.032	0.093	0.149	60.003174	31.773983	969.59	1821.42
4	GUIDE	309467128	8.91	14390	0.007	-0.079	0.131	0.209	60.235497	32.420896	-1437.55	2183.87
5	GUIDE	309478928	8.95	14390	0.118	0.168	0.106	0.164	59.464096	32.635124	-1866.37	-243.49
6	GUIDE	309482648	8.30	14396	-0.148	-0.096	0.070	0.114	59.776021	32.011778	221.60	1011.60
7	GUIDE	308946728	9.51	14320	0.162	-0.032	0.143	0.240	59.647719	31.408429	2427.88	930.16

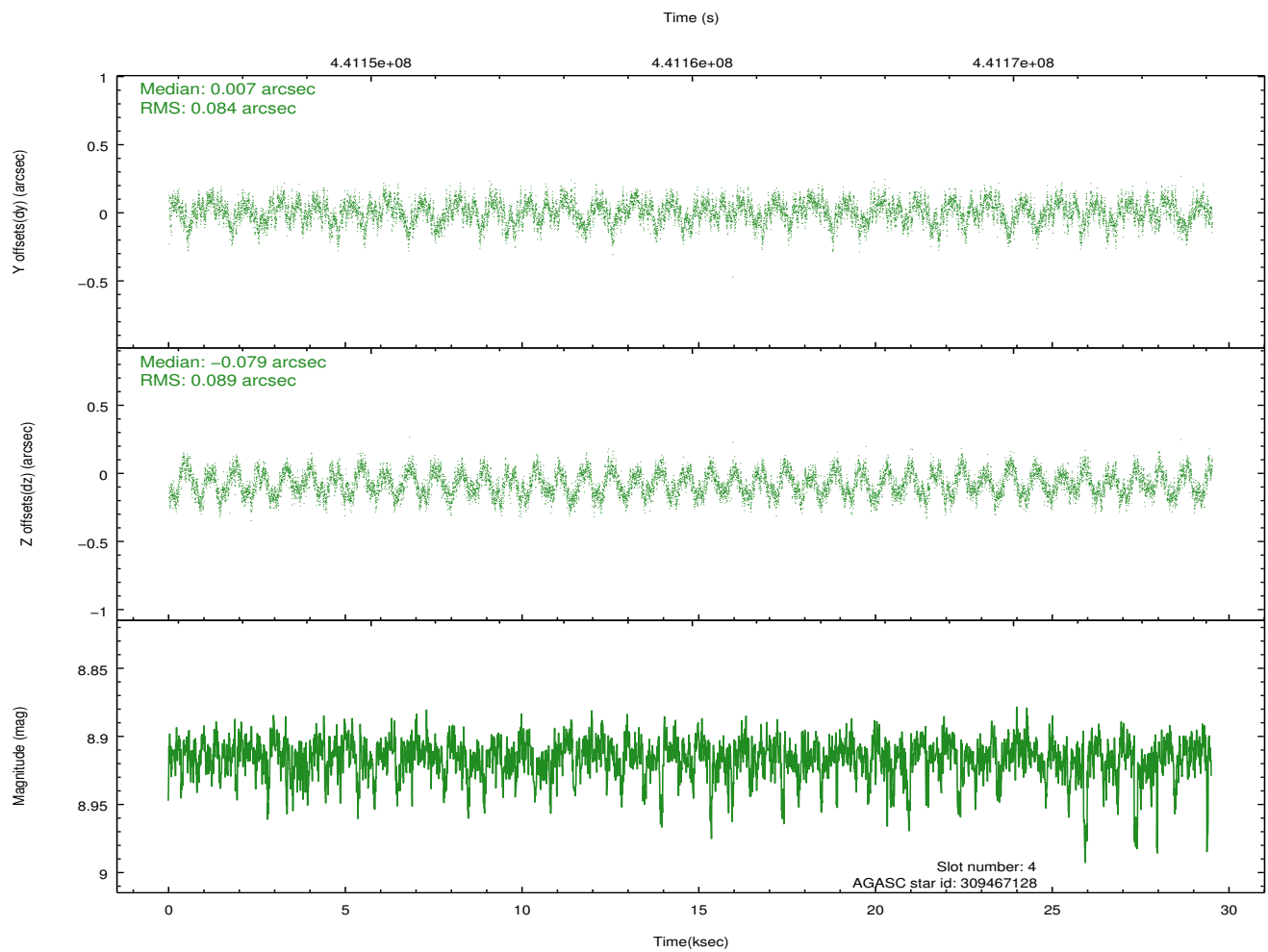
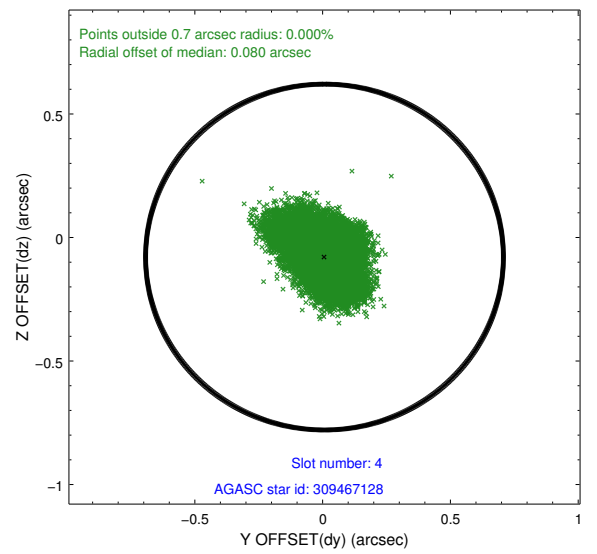
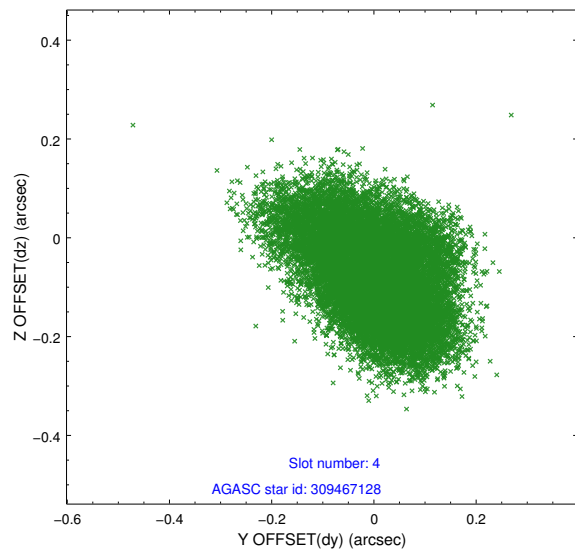
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2.4 Star Slots

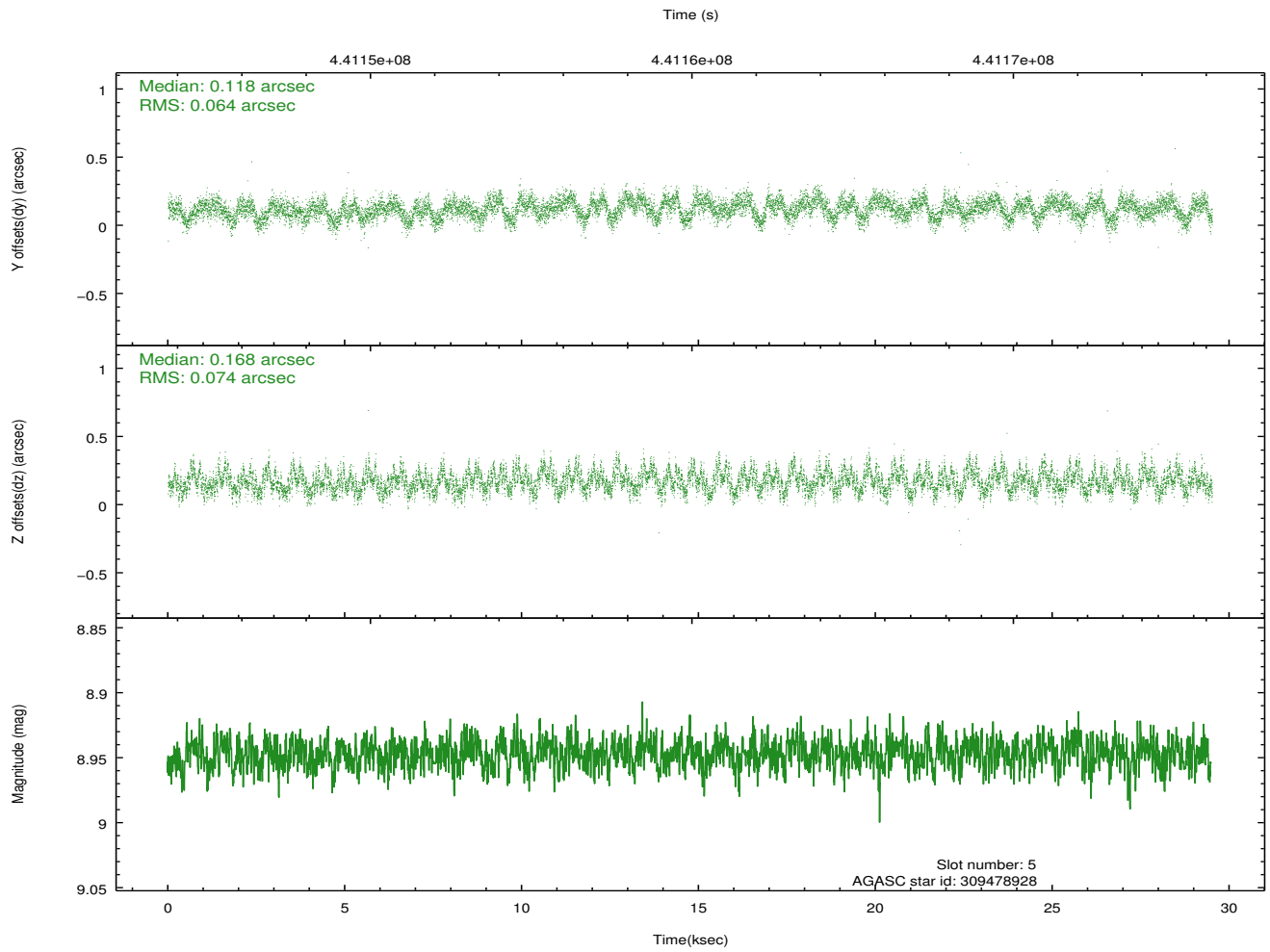
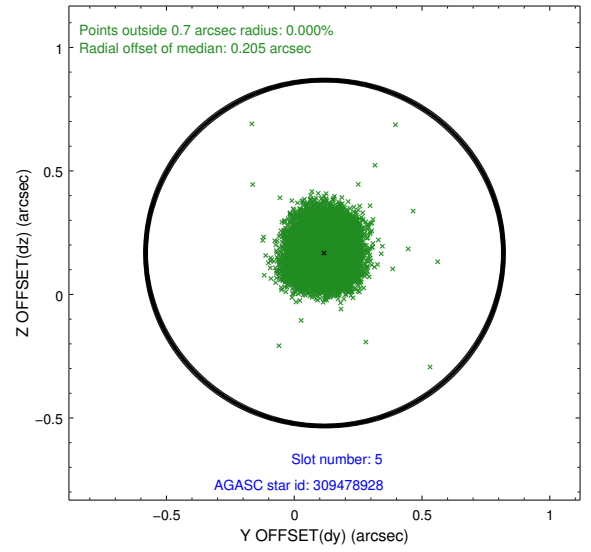
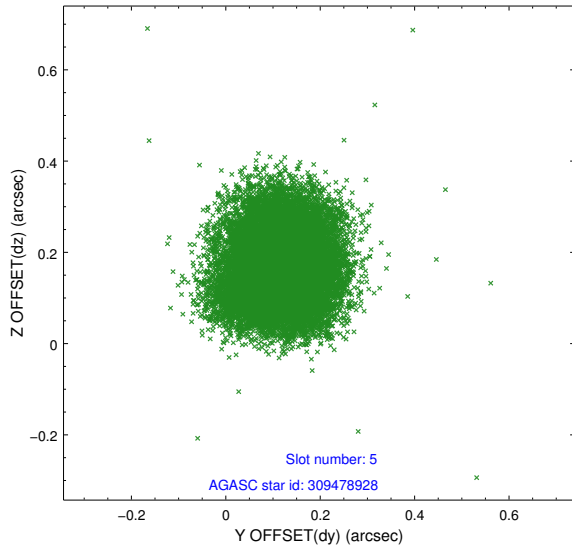
2.4.1 Slot 3



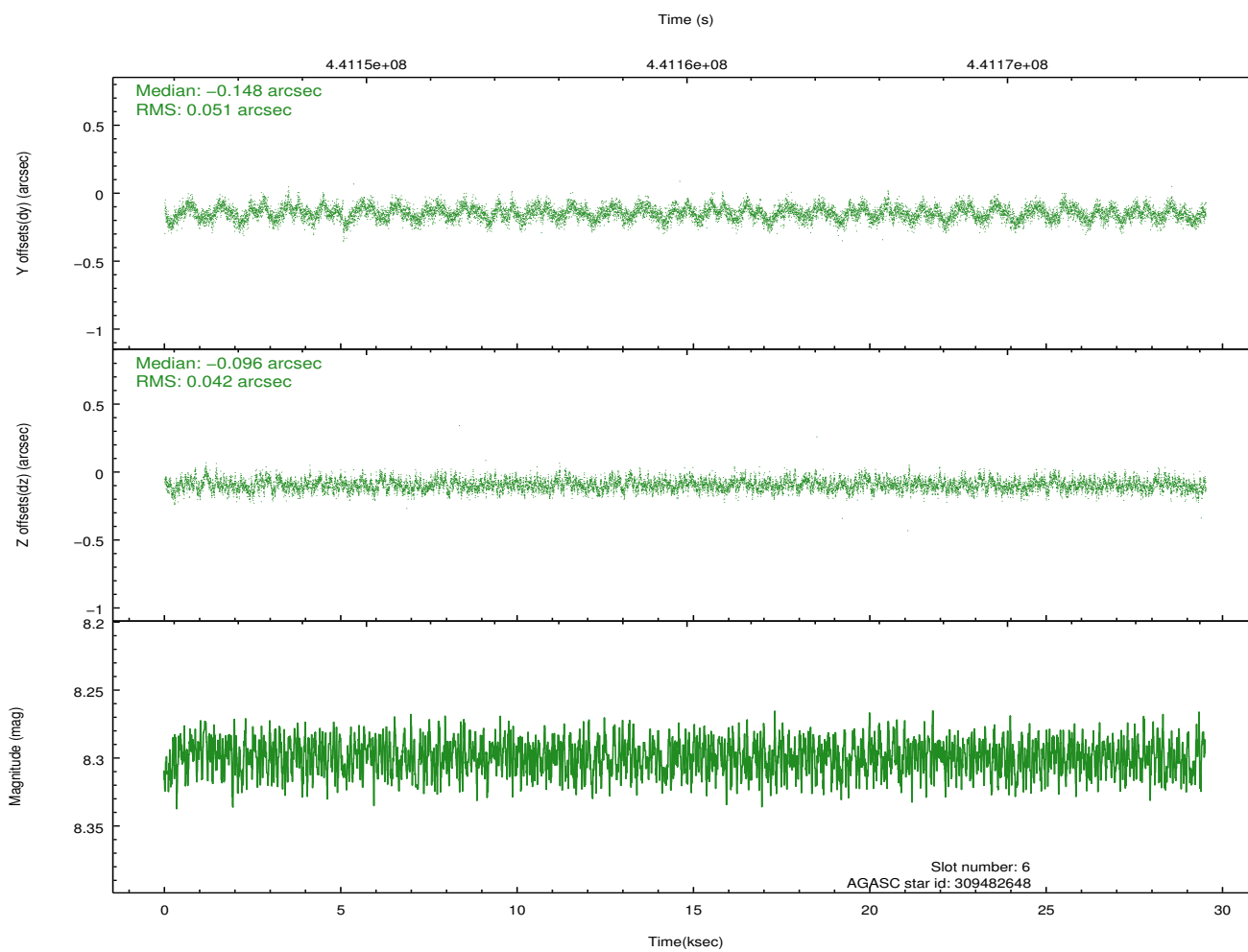
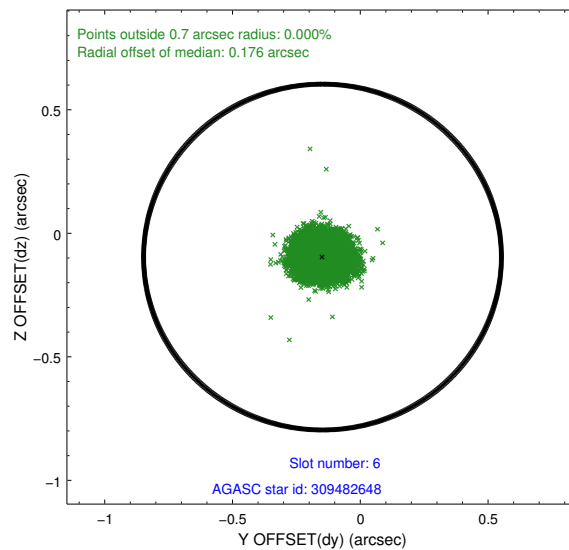
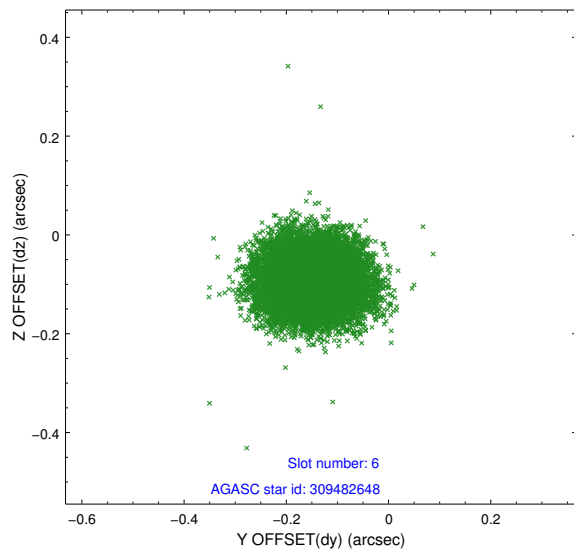
2.4.2 Slot 4



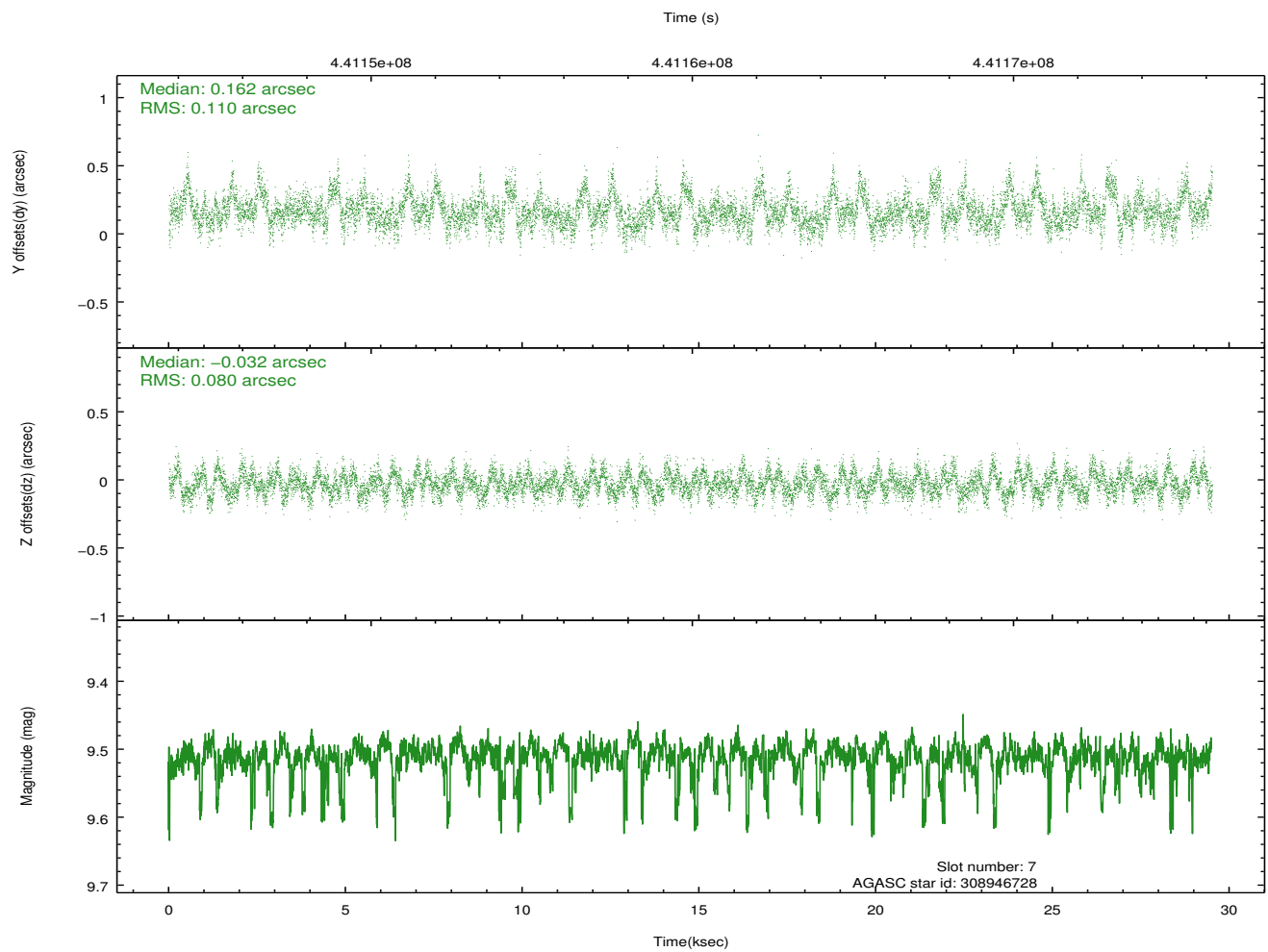
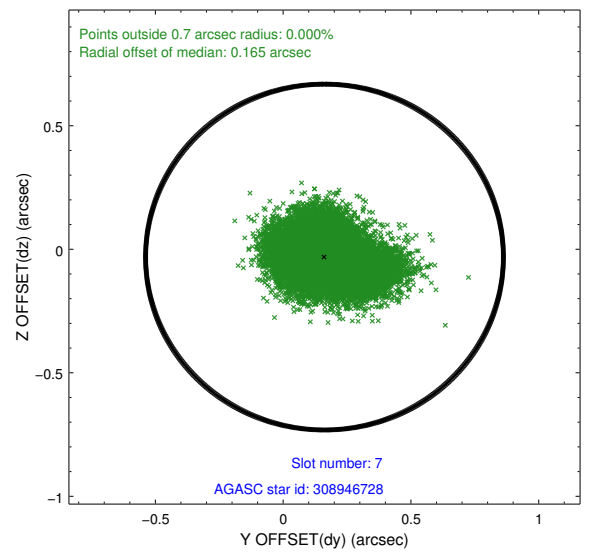
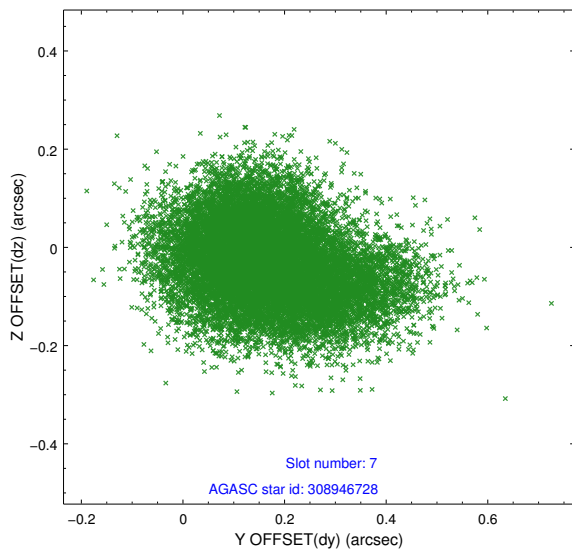
2.4.3 Slot 5



2.4.4 Slot 6

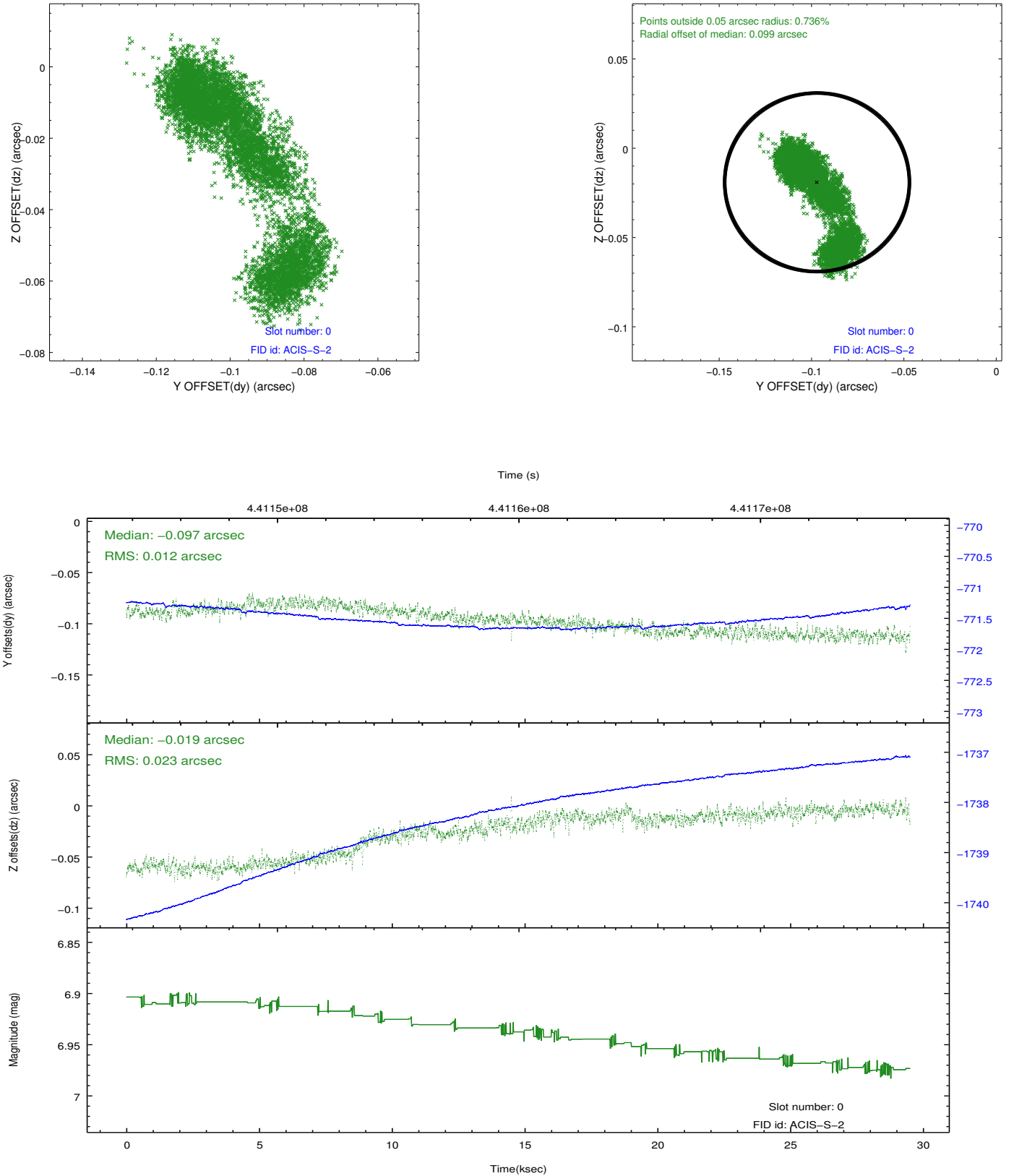


2.4.5 Slot 7

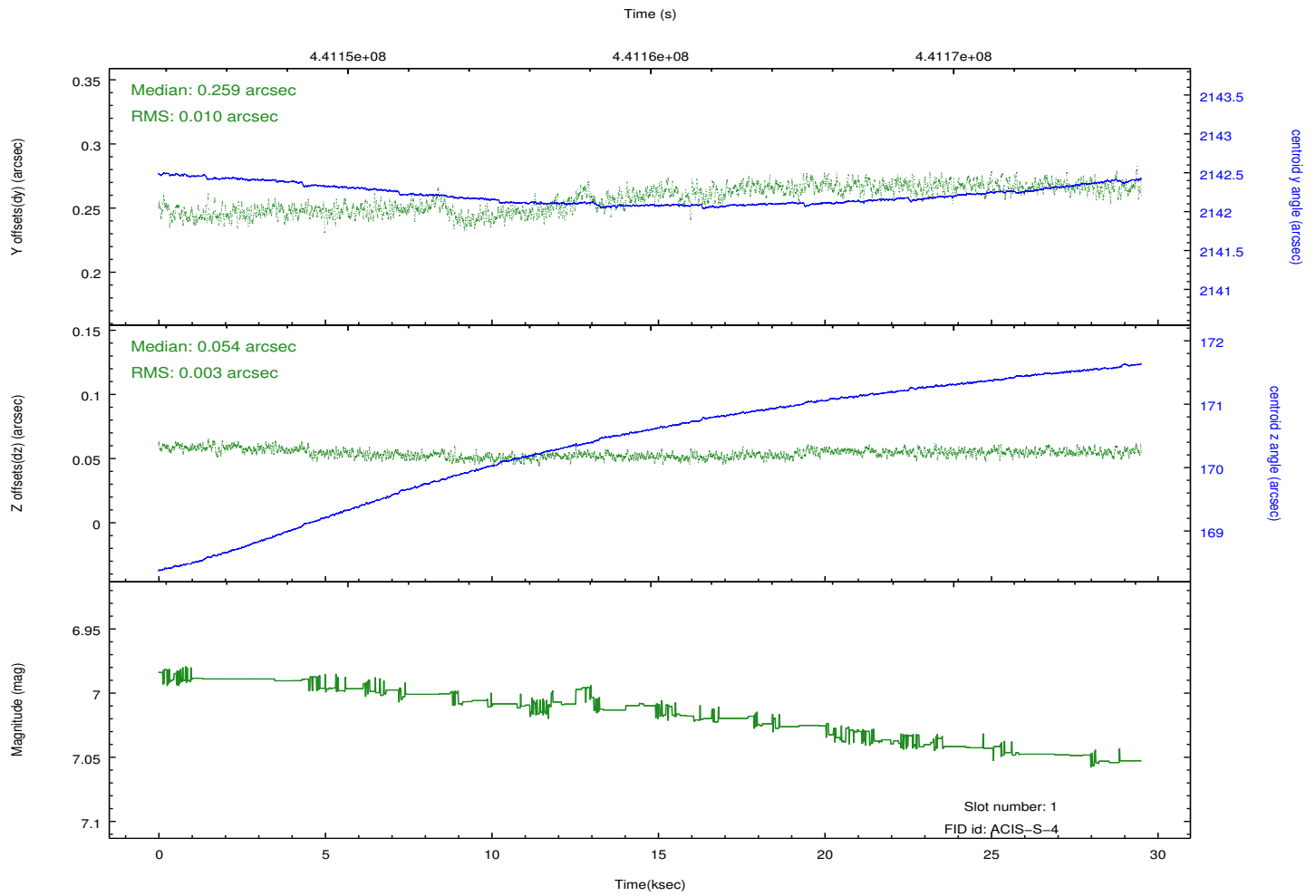
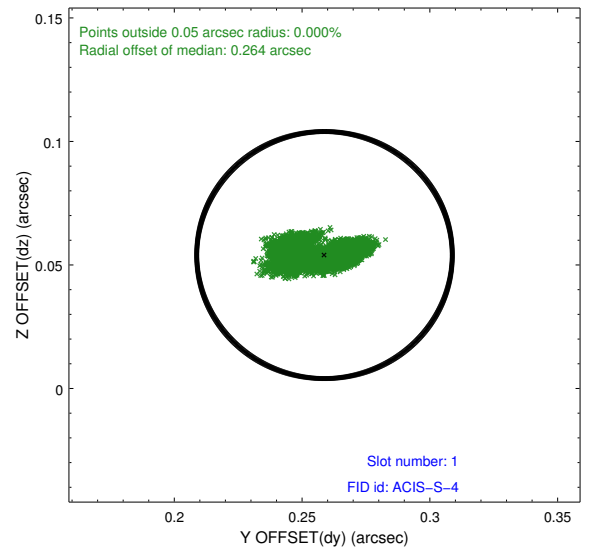
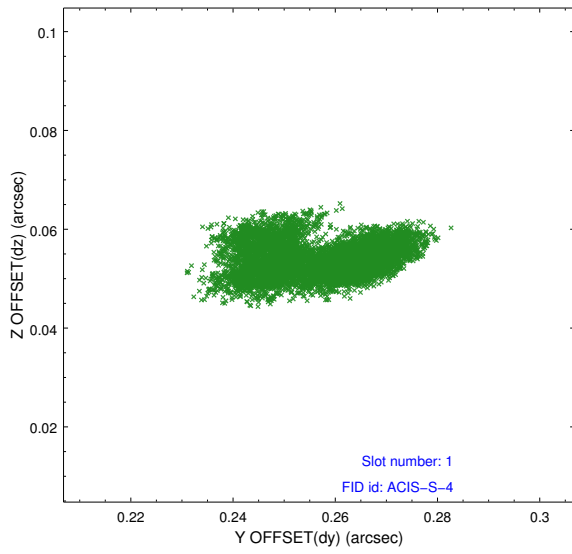


2.5 FID Slots

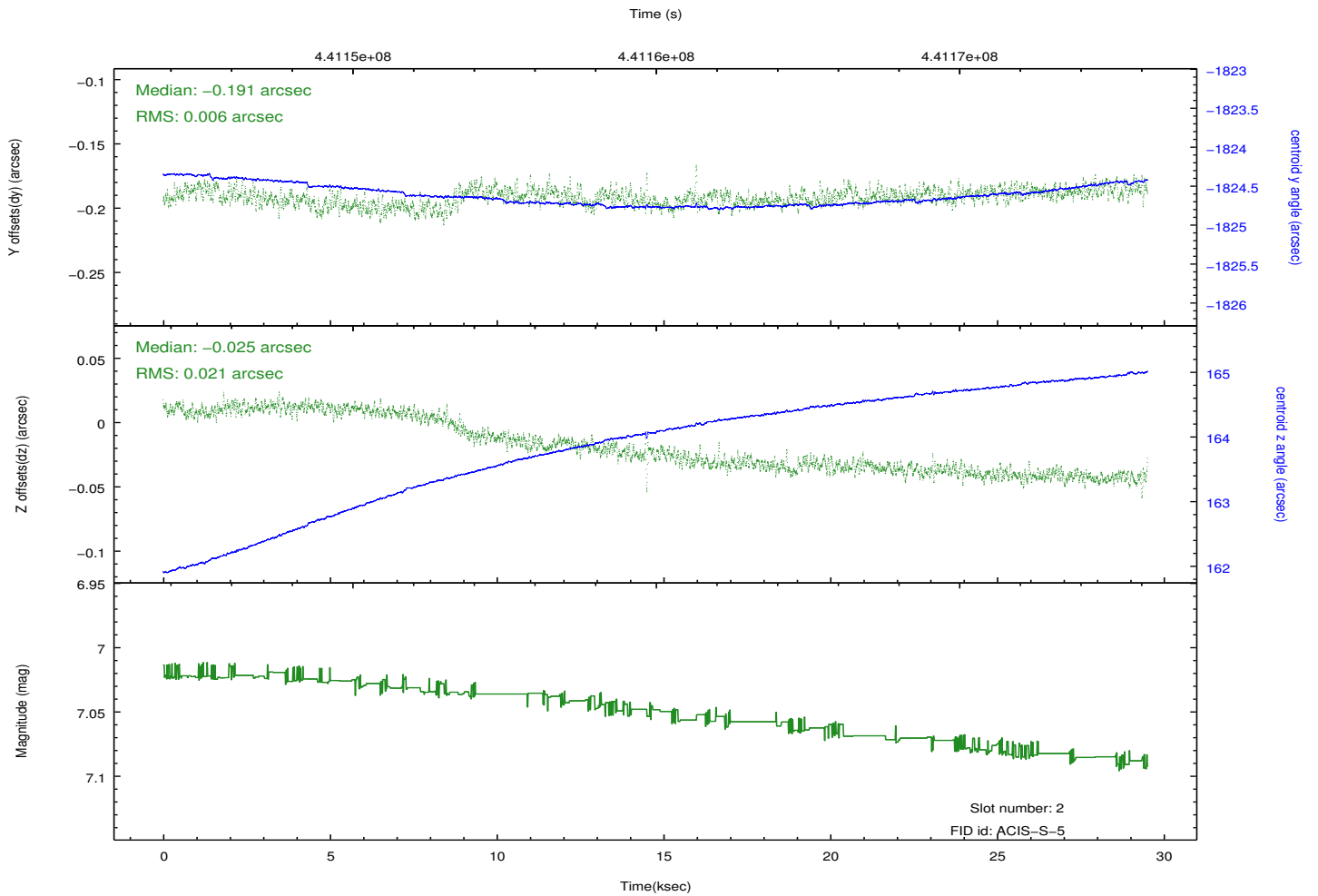
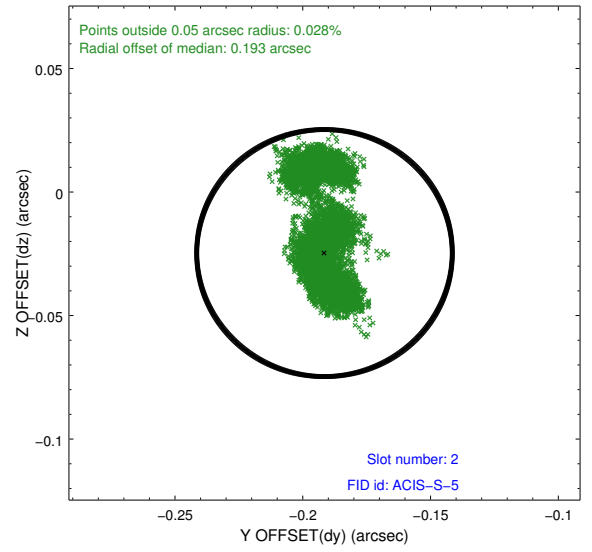
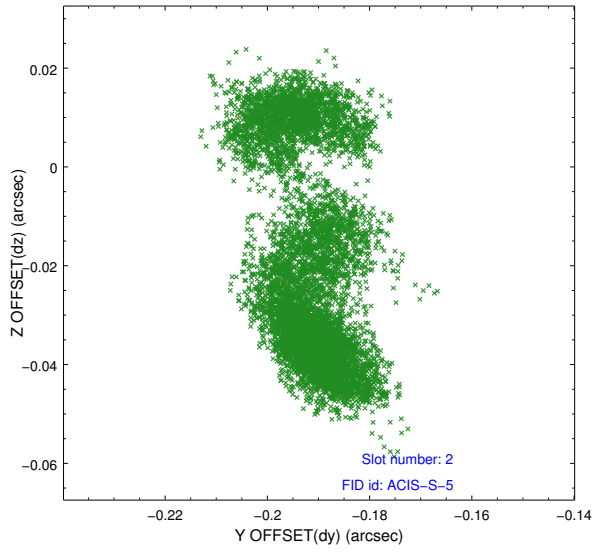
2.5.1 Slot 0



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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.381800225973

A.2 Comments