

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8219 - L2 Version 3
Chandra X-Ray Center

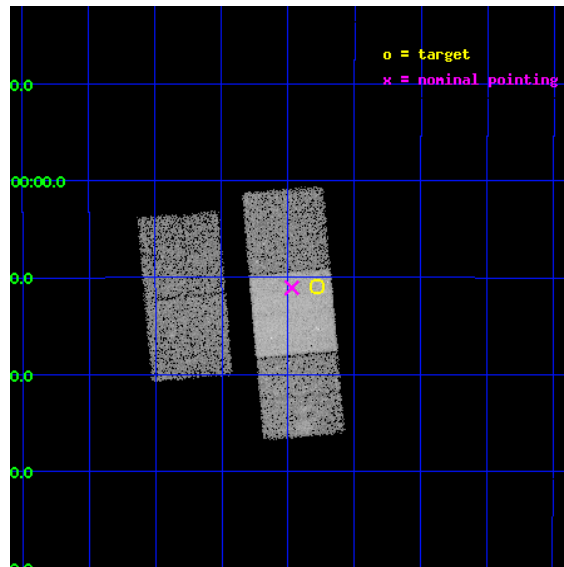
L2 Processing Date : Apr 20 2012

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1 Front

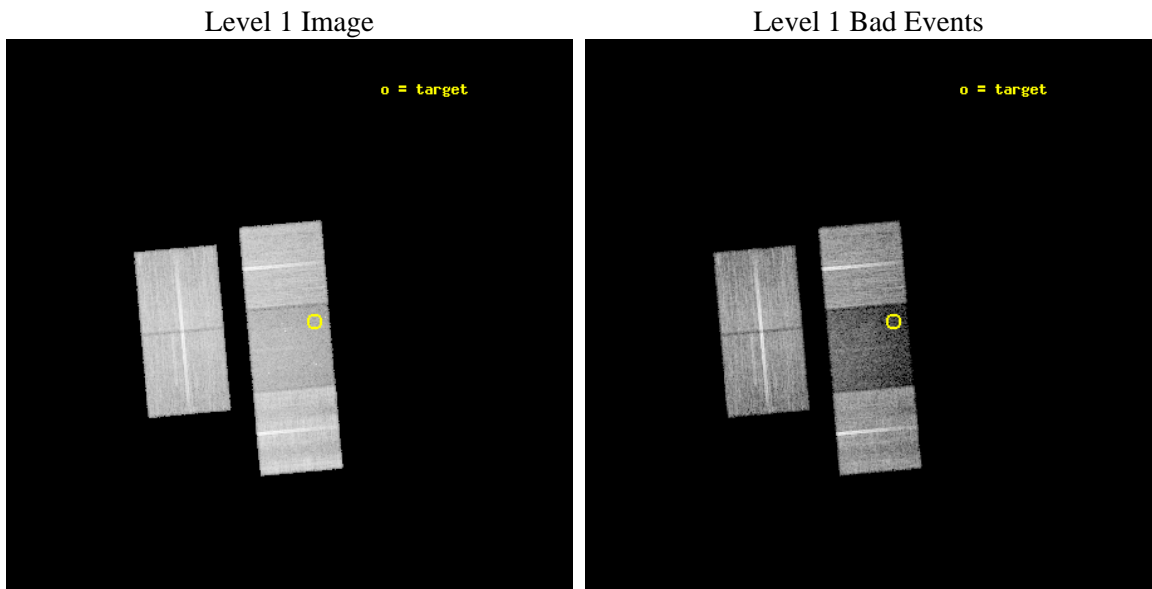
seq_num	100068	Sequence number
obs_id	8219	Observation id
title	X-Ray Observations of Jupiter in Support of the New Horizons Flyby	
observer	Dr. G. Gladstone	Principal investigator
object	Jupiter	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.945458	Observer's specified target RA [deg]
dec_targ	-22.18125	Observer's specified target Dec [deg]
ra_nom	256.99277855952	Nominal RA [deg]
dec_nom	-22.184698088092	Nominal Dec [deg]
roll_nom	84.931257602388	Nominal Roll [deg]
revision	3	Processing version of data
ontime	18178.400139809	Sum of GTIs [s]
livetime	17940.885959239	Livetime [s]
ontime2	18178.400139809	Sum of GTIs [s]
ontime3	18175.259179533	Sum of GTIs [s]
ontime6	18175.259149611	Sum of GTIs [s]
ontime7	18178.400139809	Sum of GTIs [s]
ontime8	18175.259149611	Sum of GTIs [s]
l2events	74622	Number of level 2 events



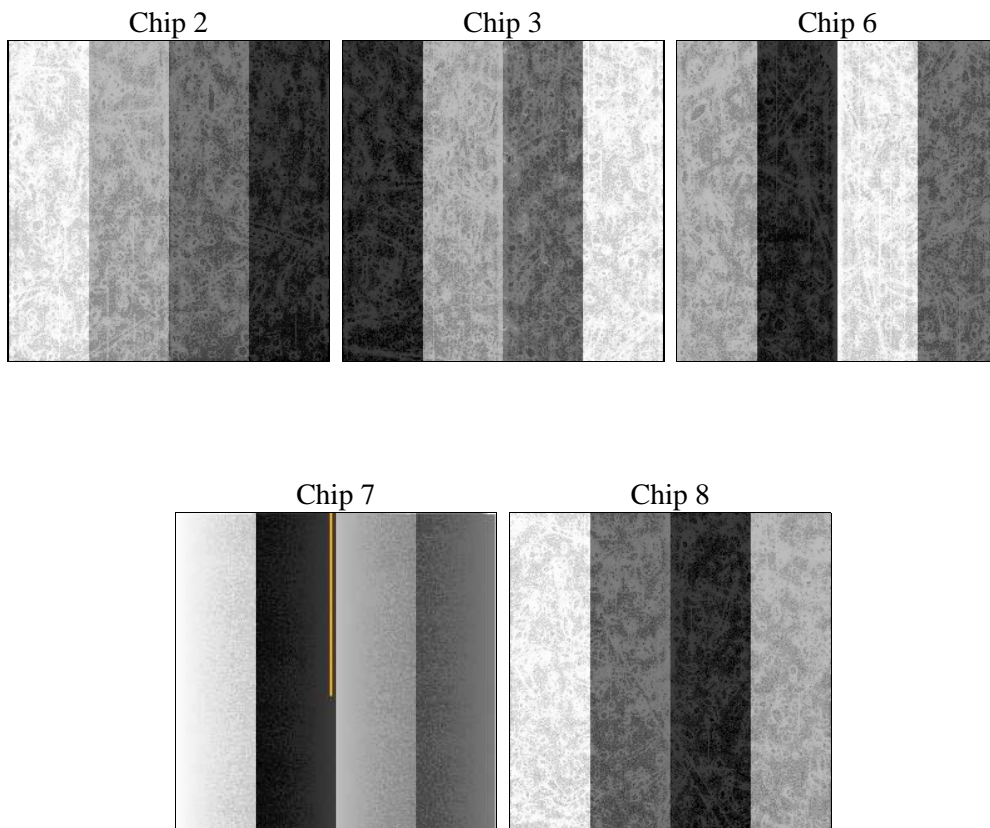
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18178.400139809	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	18178.400139809	Sum of GTIs [s]
date	2012-04-21T01:04:05	Date and time of file creation	ontime3	18175.259179533	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	18175.259149611	Sum of GTIs [s]
			ontime7	18178.400139809	Sum of GTIs [s]
			ontime8	18175.259149611	Sum of GTIs [s]
			l1events	593278	Number of level 1 events

2.1.4 Events

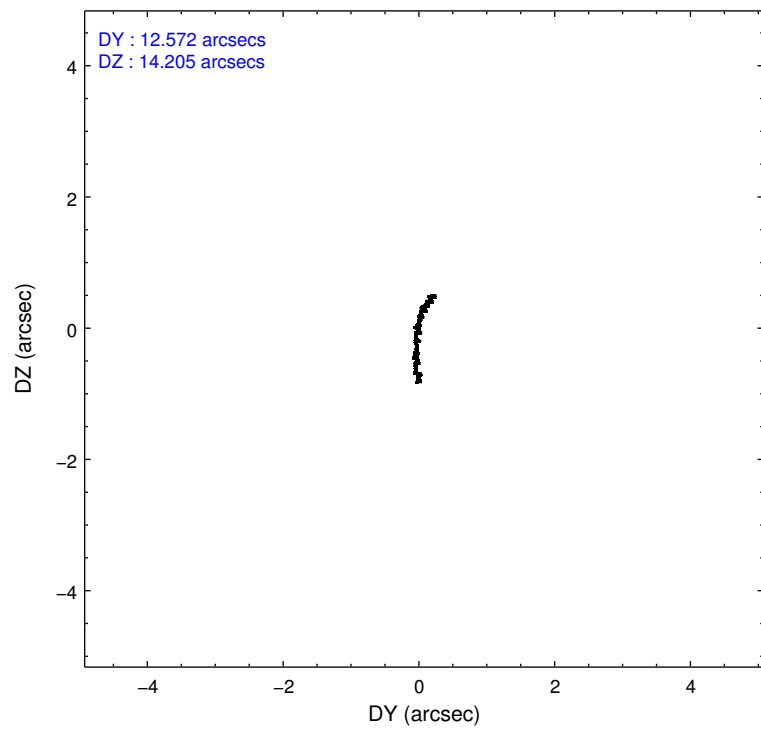
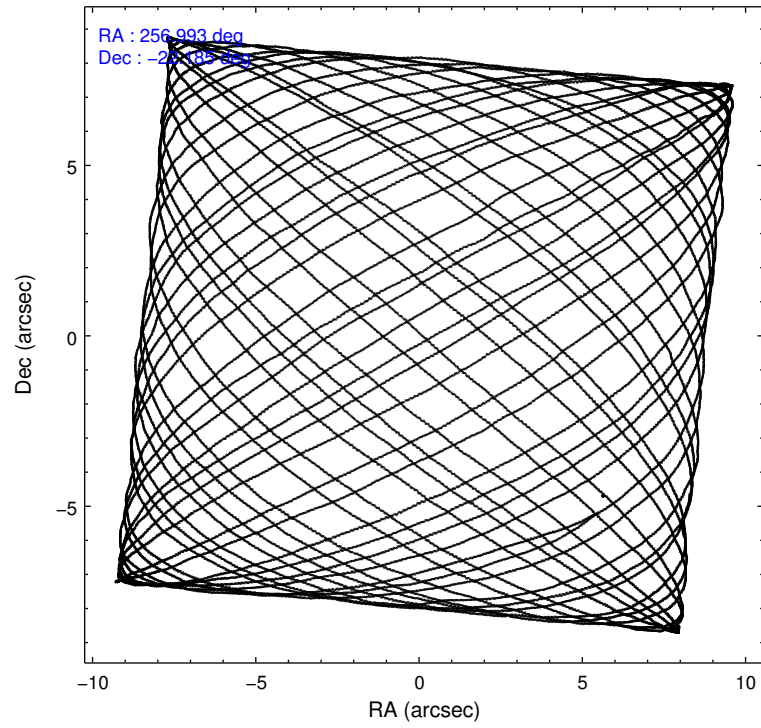
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	131559	118099	123724	70634	149262
rejected events	121154	108255	112420	32339	110581
rejected %	92%	91%	90%	45%	74%

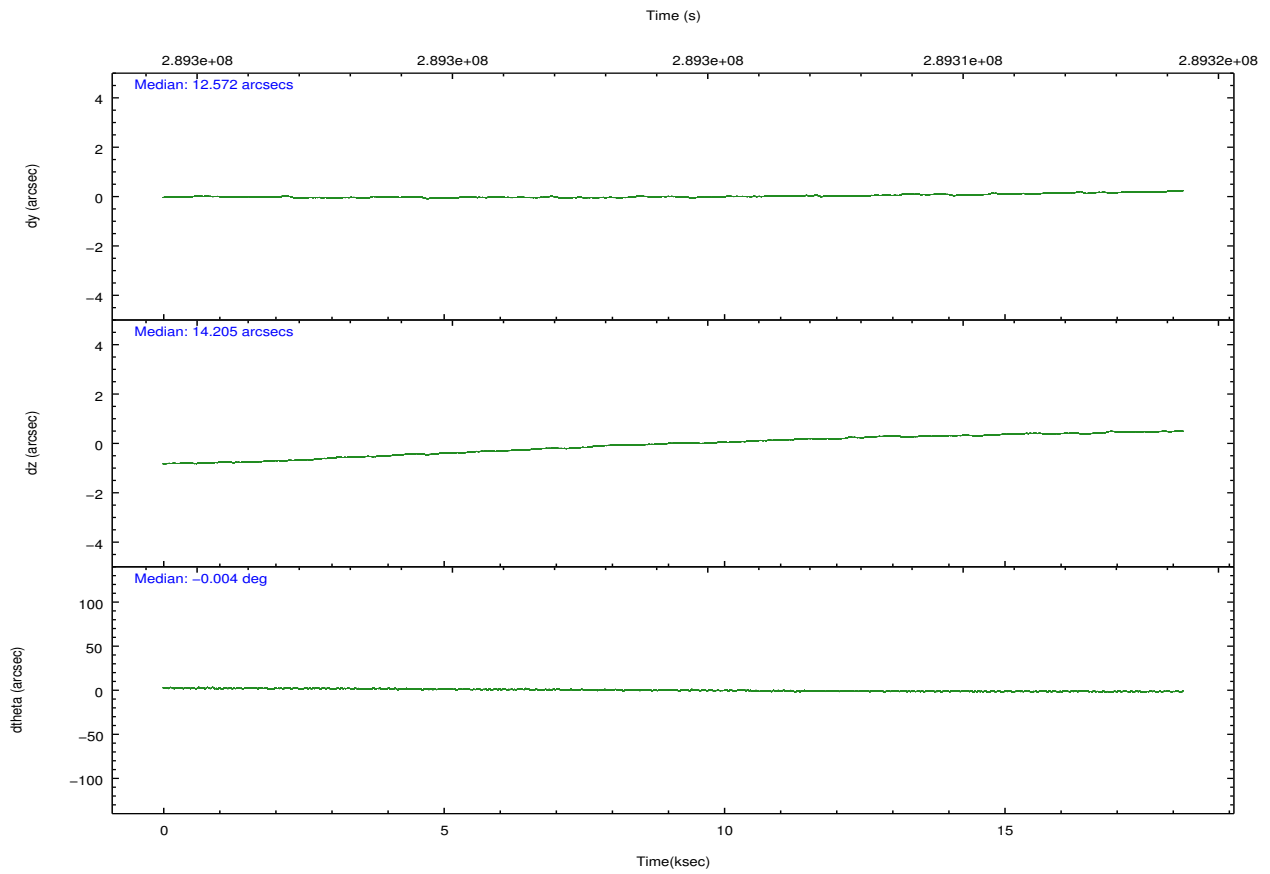
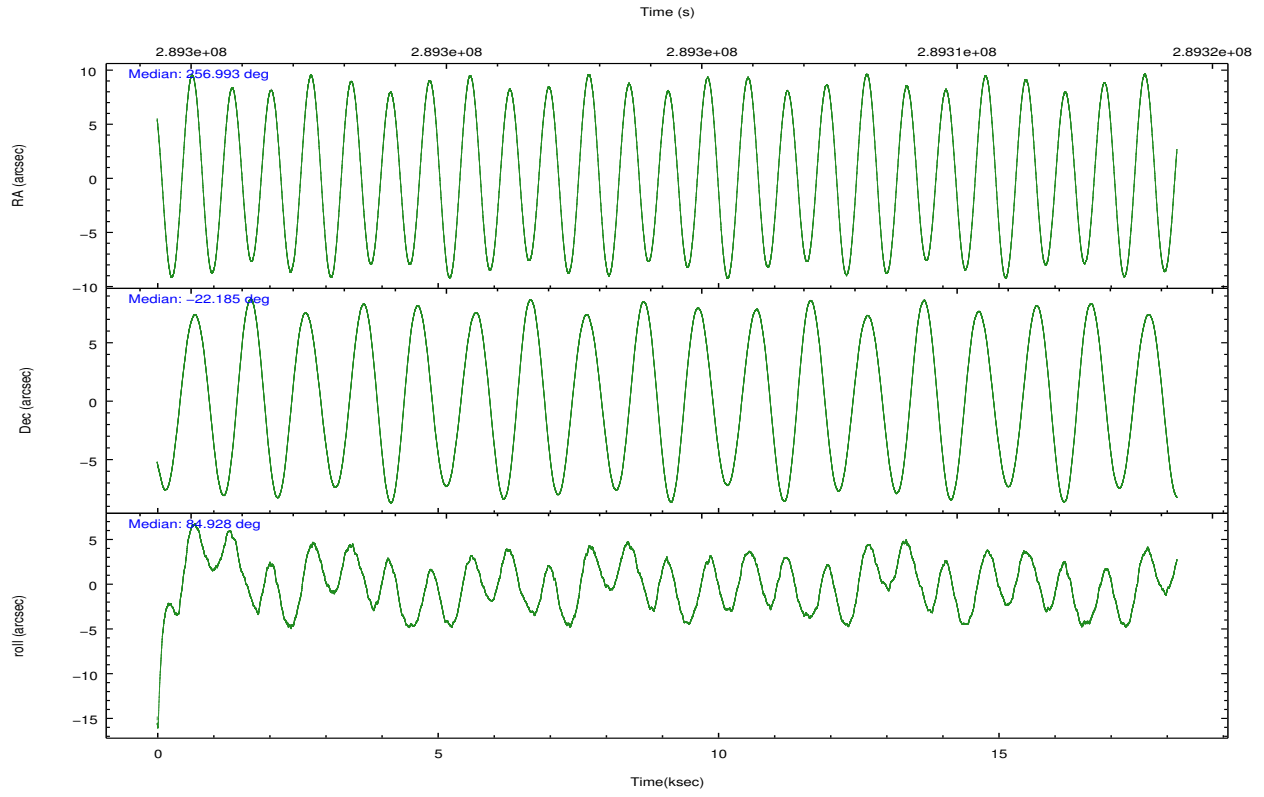
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4301	4242	4891	4757	11870
	3%	3%	3%	6%	7%
grade 1 events	65	65	57	137	138
	0%	0%	0%	0%	0%
grade 2 events	2501	2045	2493	9272	9045
	1%	1%	2%	13%	6%
grade 3 events	1109	1139	1166	3670	4267
	0%	0%	0%	5%	2%
grade 4 events	1161	1068	1150	3563	3892
	0%	0%	0%	5%	2%
grade 5 events	1869	2389	2472	7155	4219
	1%	2%	1%	10%	2%
grade 6 events	1521	1499	1769	17605	10205
	1%	1%	1%	24%	6%
grade 7 events	119032	105652	109726	24475	105626
	90%	89%	88%	34%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	257.005618	256.9927785595235	Subarray requested	NONE	NONE
[deg] Pointing Dec	-22.209320	-22.18469808809236	Alternating exposures requested	N	N
[deg] Pointing Roll	84.779483	84.93125760238753	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	289285265.184000	289285265.184000			
[s] Window stop time (MET)	289314065.184000	289314065.184000			
[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)	289295405.184000	289294952.89397			
Observation start date	2007-03-03T07:49:00	2007-03-03T07:42:32			
[s] Observation end time (MET)	289313405.184000	289314152.16988			
Observation end date	2007-03-03T12:49:00	2007-03-03T13:02:32			
Read mode	TIMED	TIMED			

2.3 Aspect



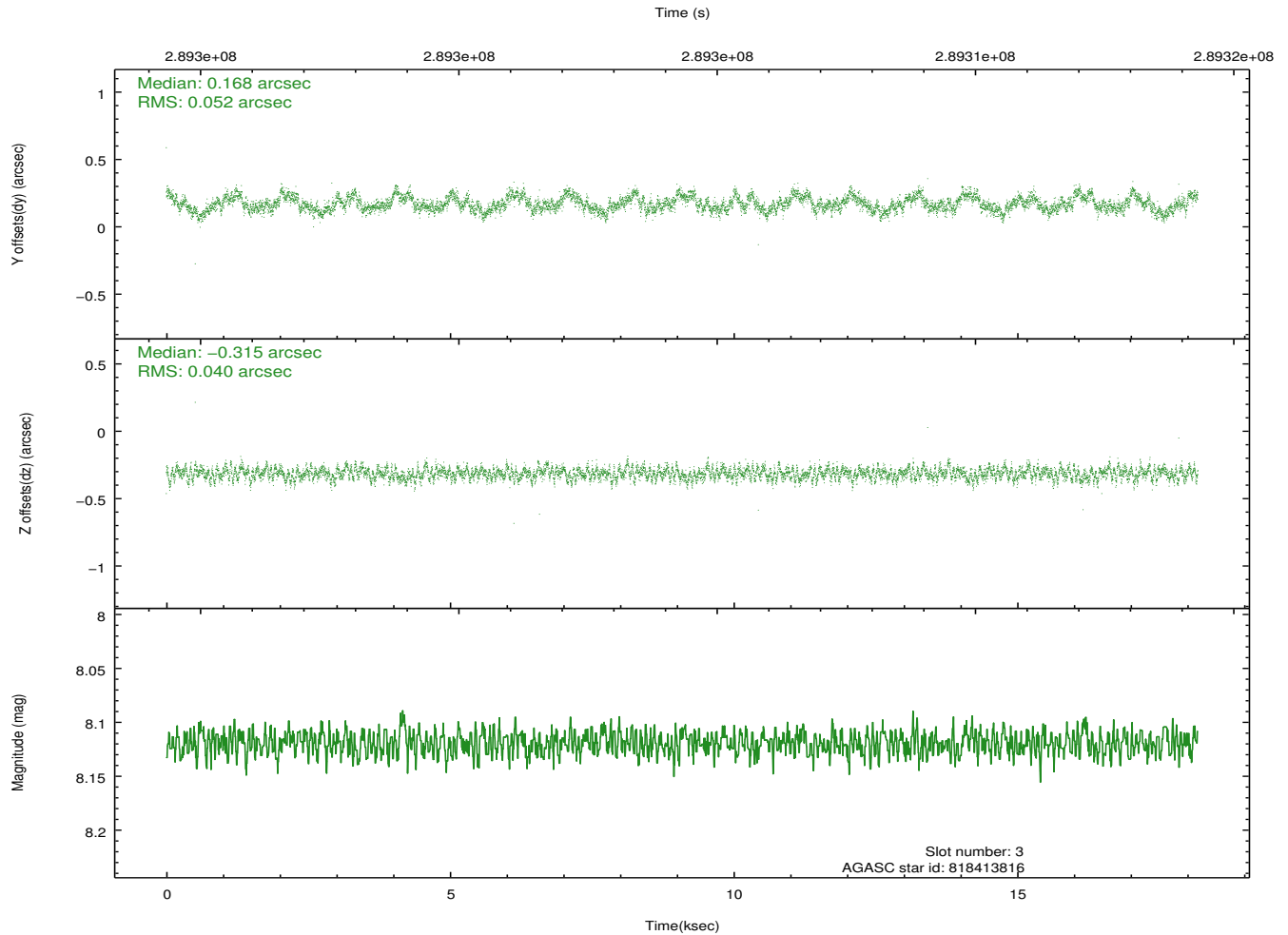
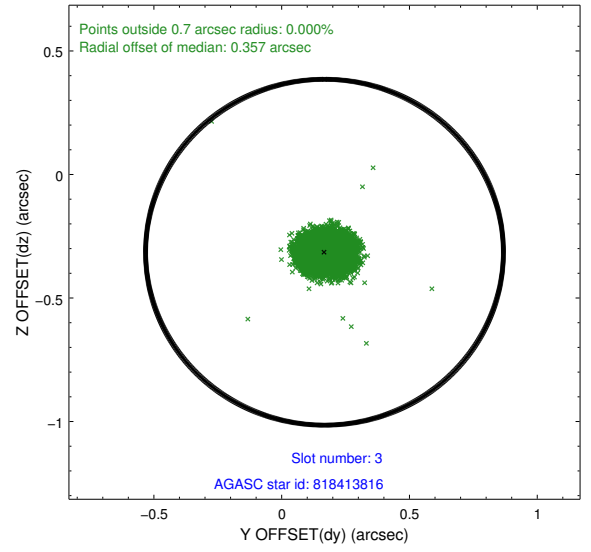
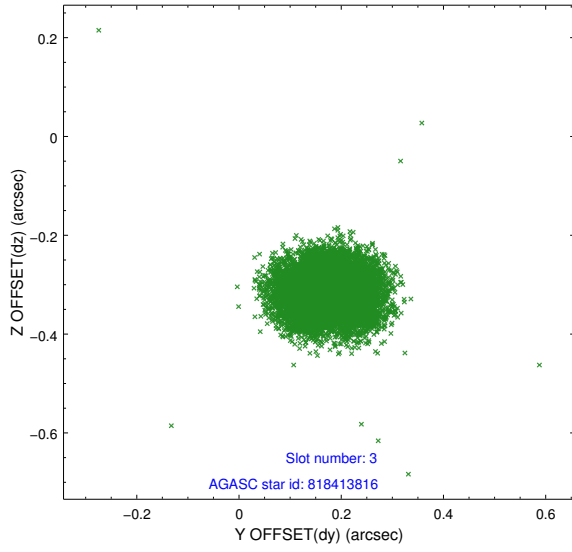


Slot Statistics

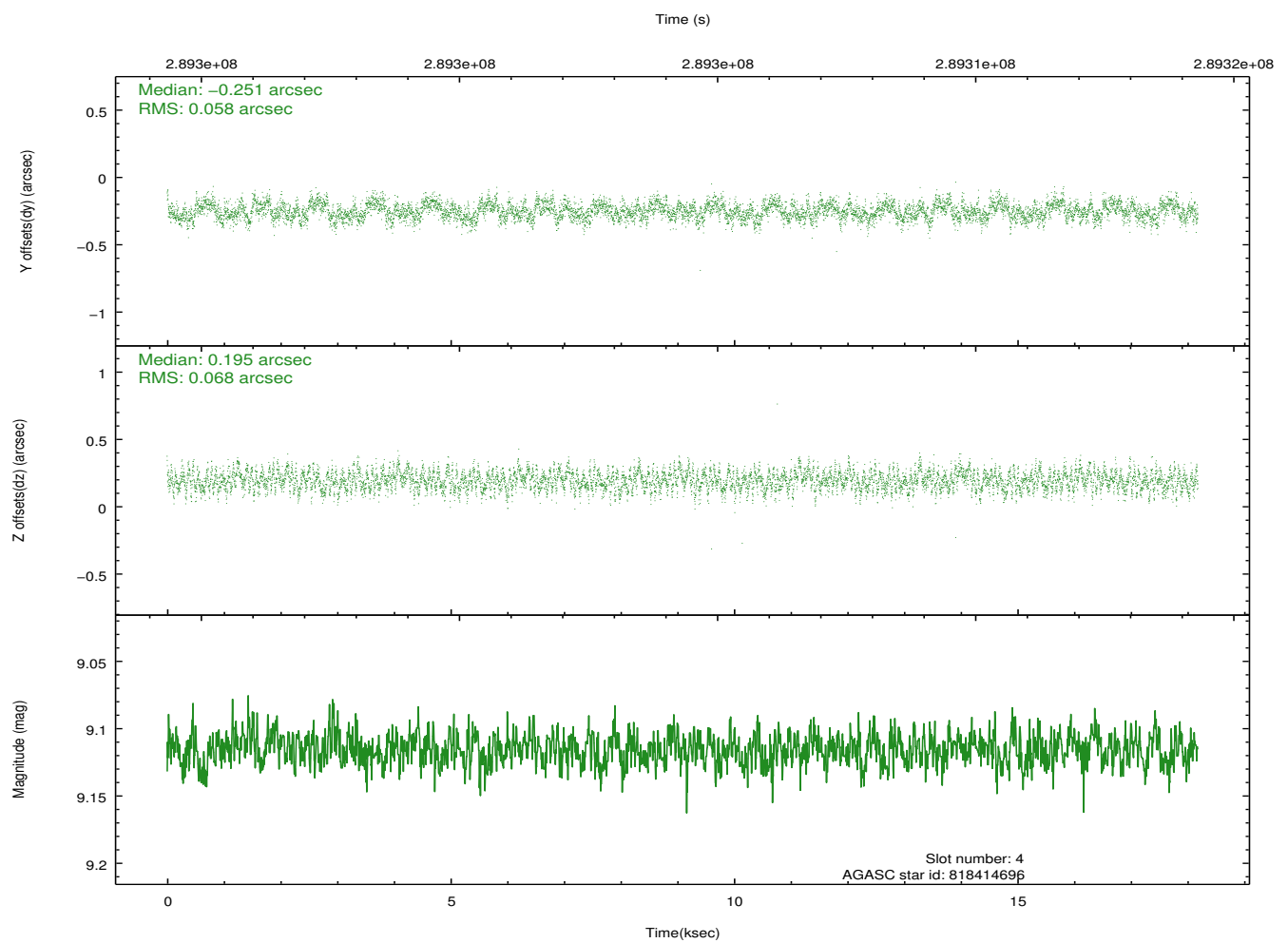
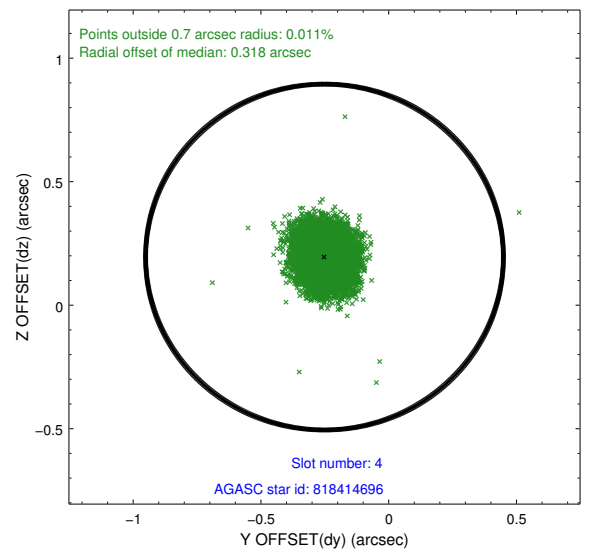
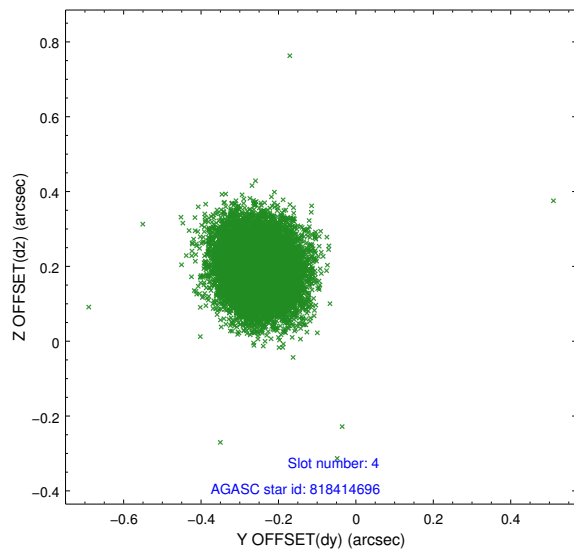
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	4435	-0.034	-0.044	0.013	0.020	0.000000	0.000000	-765.53	-1735.48
1	FID	ACIS-S-4	7.20	4435	0.146	0.028	0.010	0.017	0.000000	0.000000	2147.82	172.86
2	FID	ACIS-S-5	7.23	4434	-0.144	0.024	0.012	0.018	0.000000	0.000000	-1818.20	166.76
3	GUIDE	818413816	8.12	8868	0.168	-0.315	0.070	0.110	256.942894	-22.495300	-1043.99	113.85
4	GUIDE	818414696	9.12	8866	-0.251	0.195	0.096	0.151	257.682990	-22.004593	934.97	-2184.58
5	GUIDE	818415920	8.95	8864	-0.103	0.084	0.099	0.153	257.460062	-21.792082	1632.64	-1376.23
6	GUIDE	818417336	9.29	8866	0.234	0.052	0.098	0.157	257.276915	-22.476780	-876.57	-986.49
7	GUIDE	818418736	9.74	8850	-0.052	-0.015	0.156	0.254	257.578852	-21.584397	2411.44	-1706.48

2.4 Star Slots

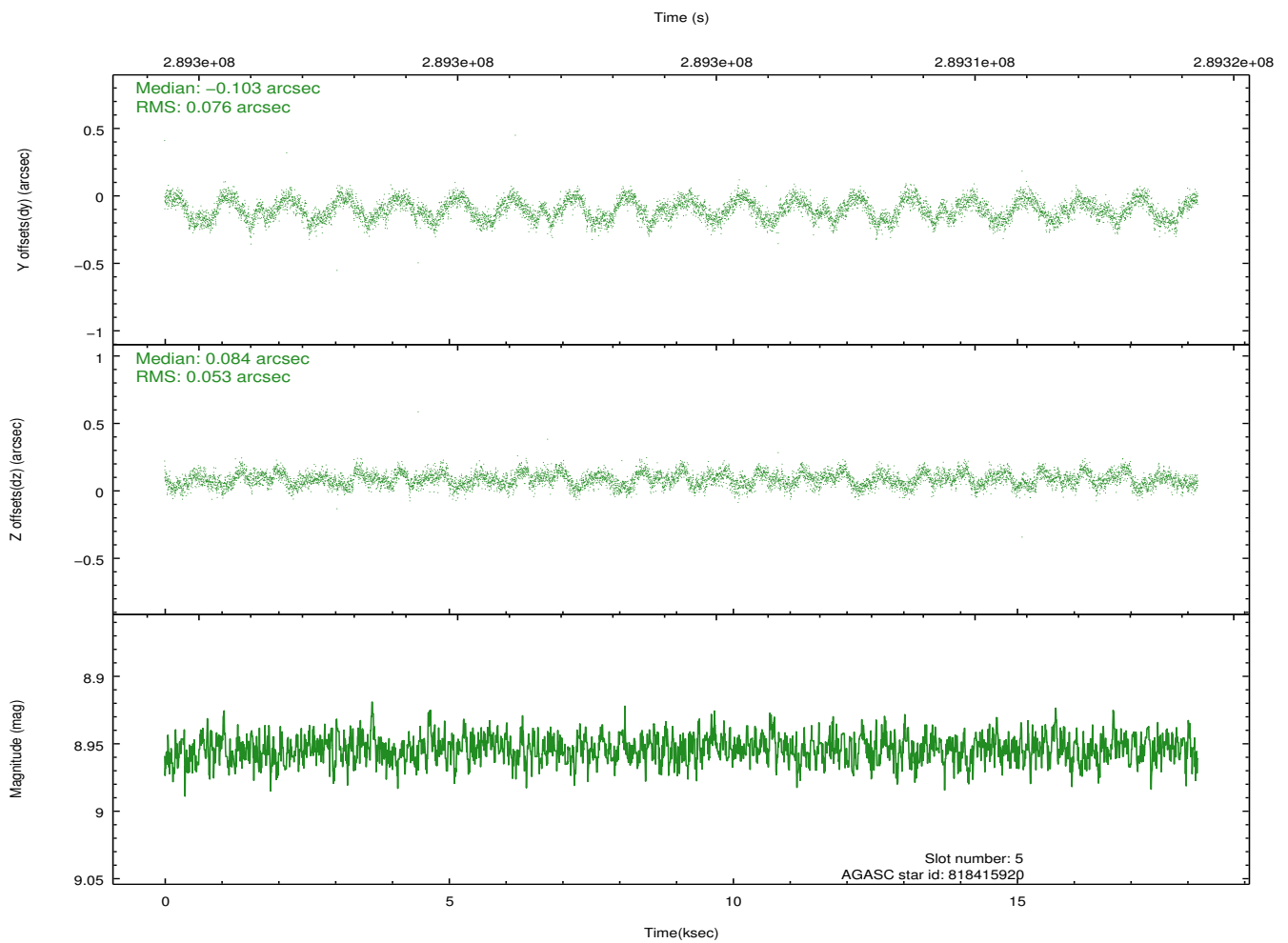
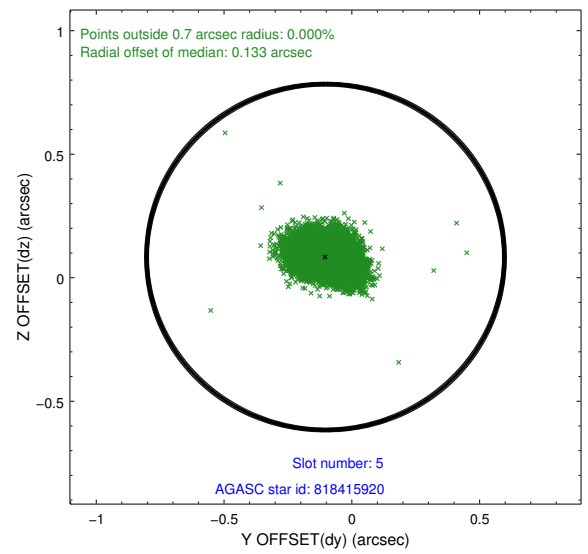
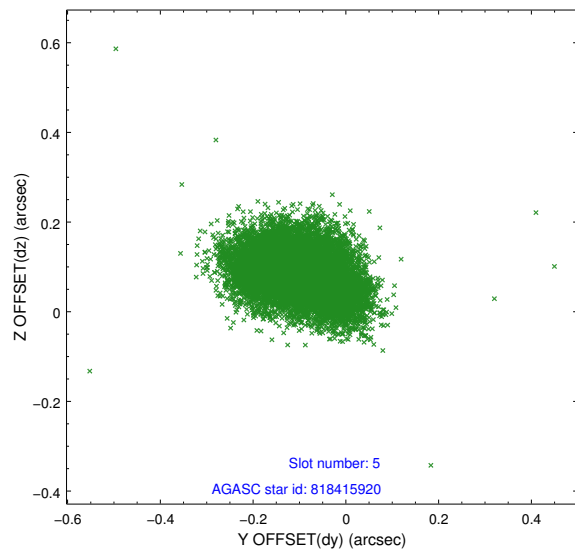
2.4.1 Slot 3



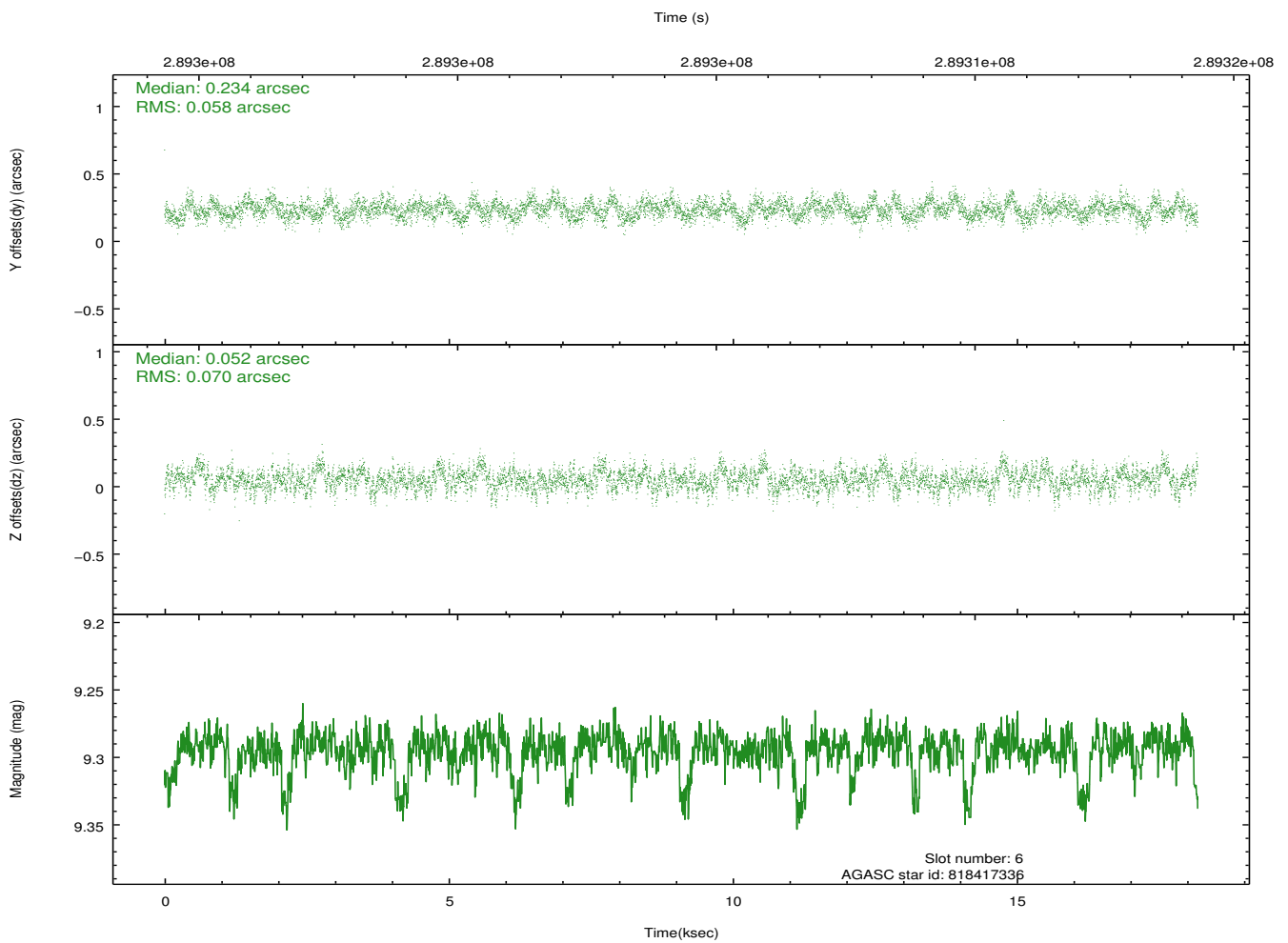
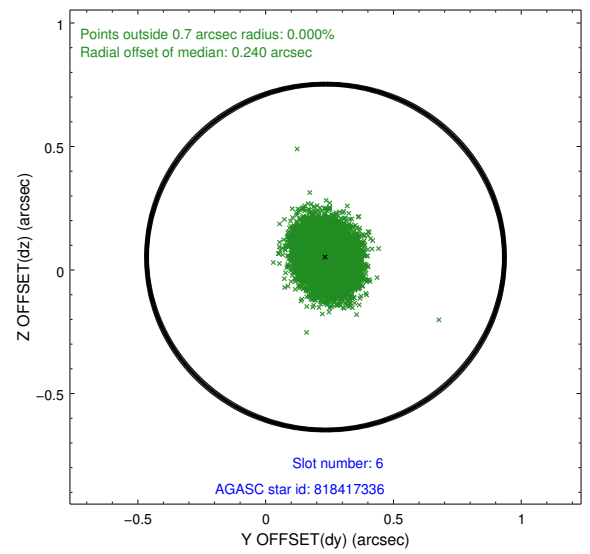
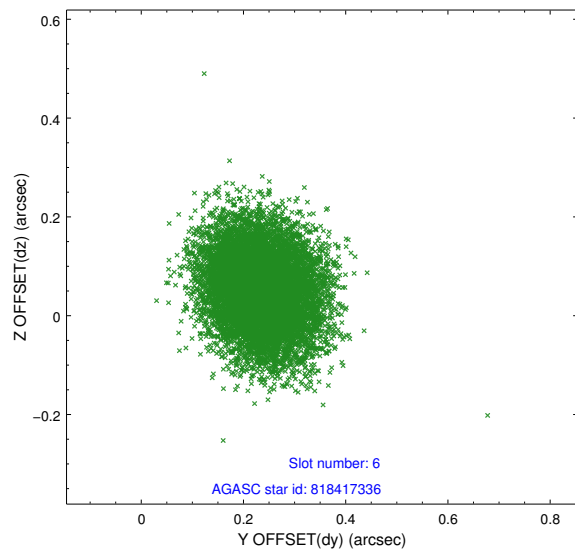
2.4.2 Slot 4



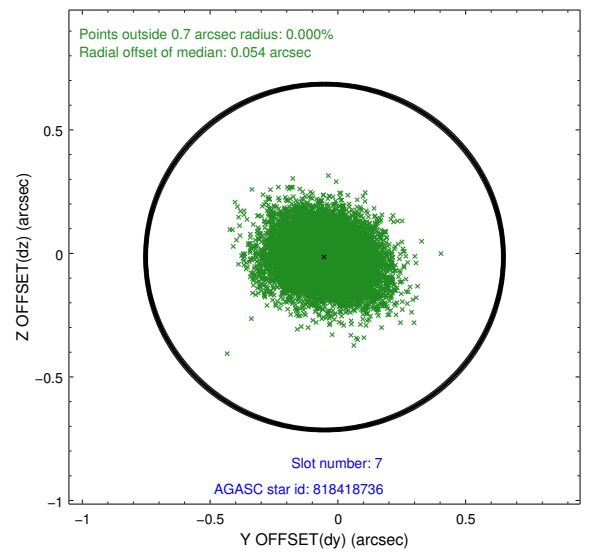
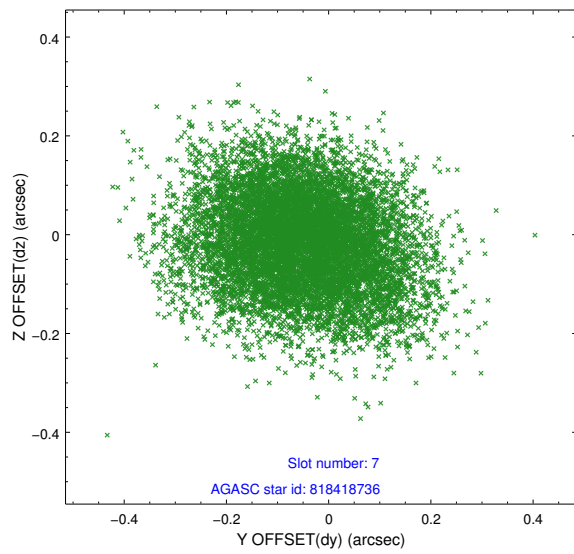
2.4.3 Slot 5



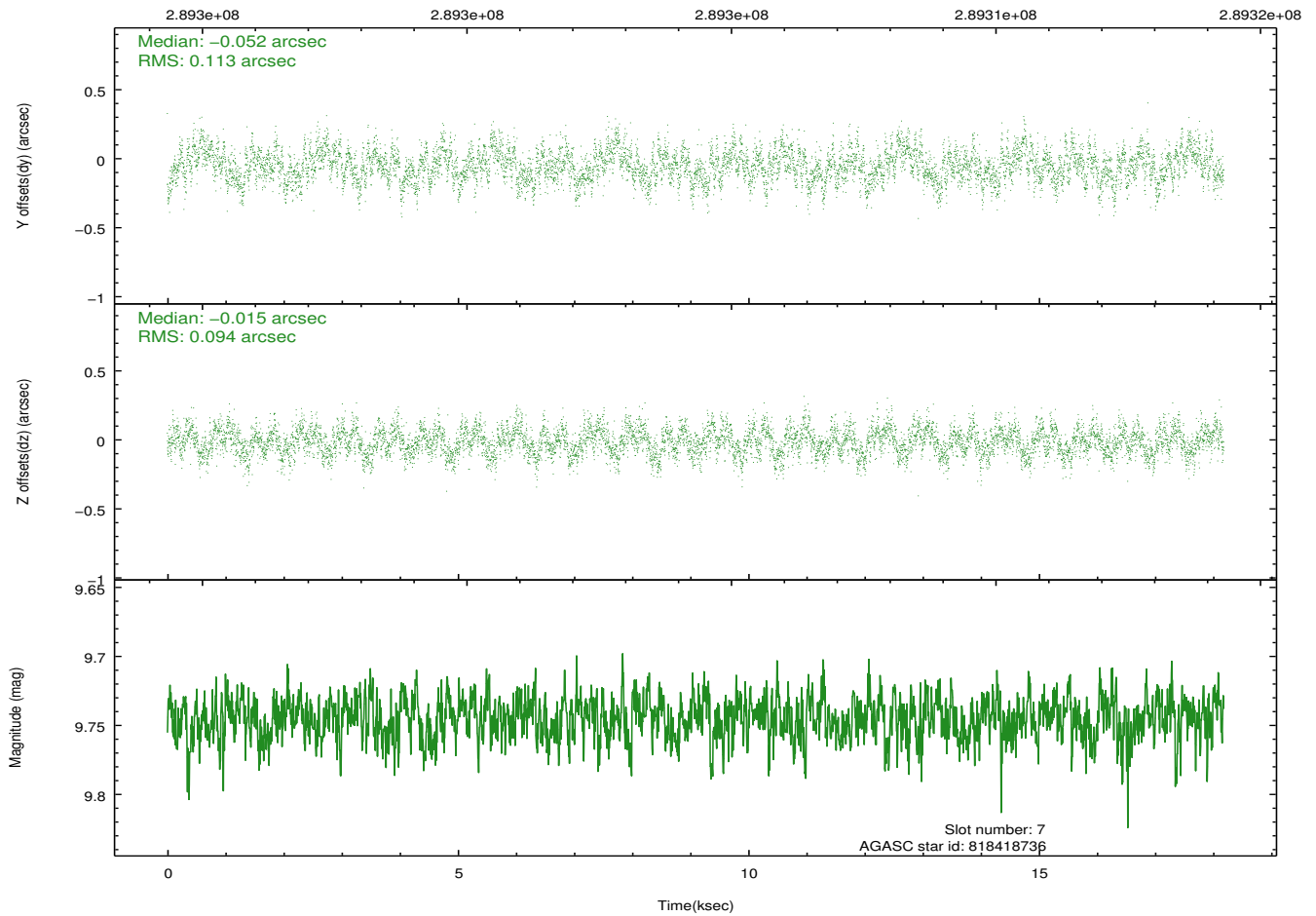
2.4.4 Slot 6



2.4.5 Slot 7

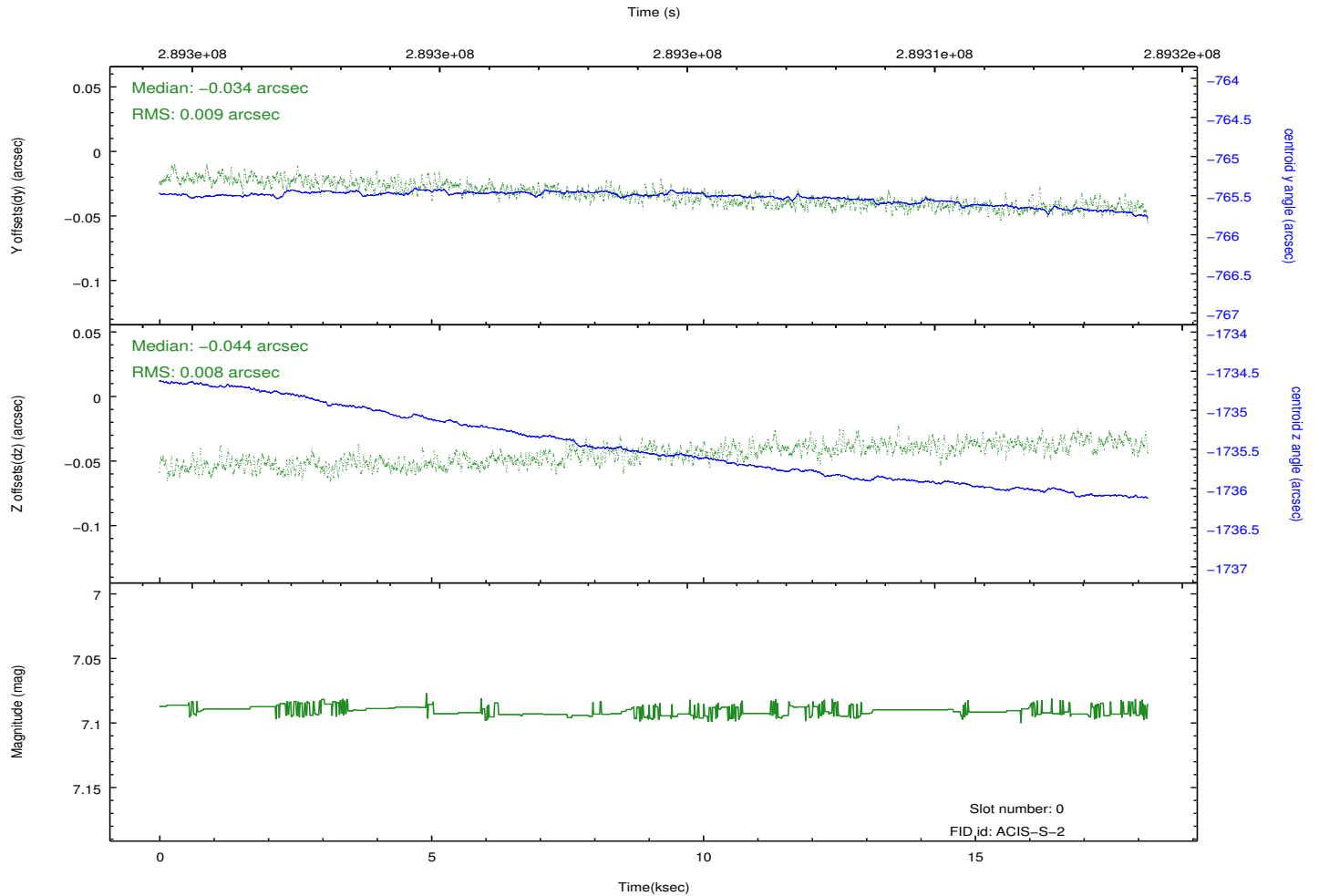
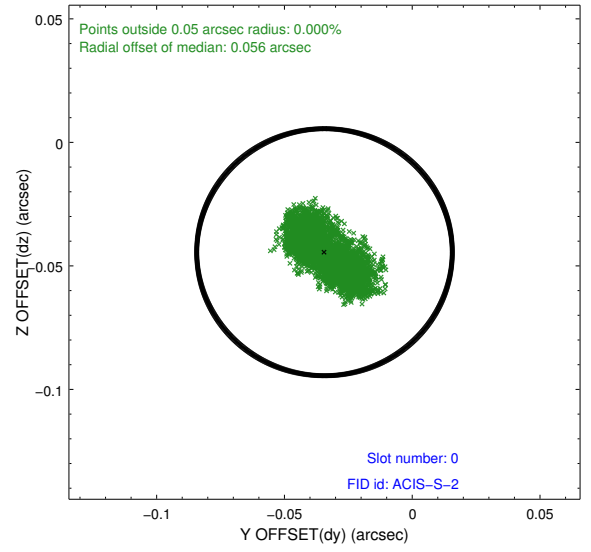
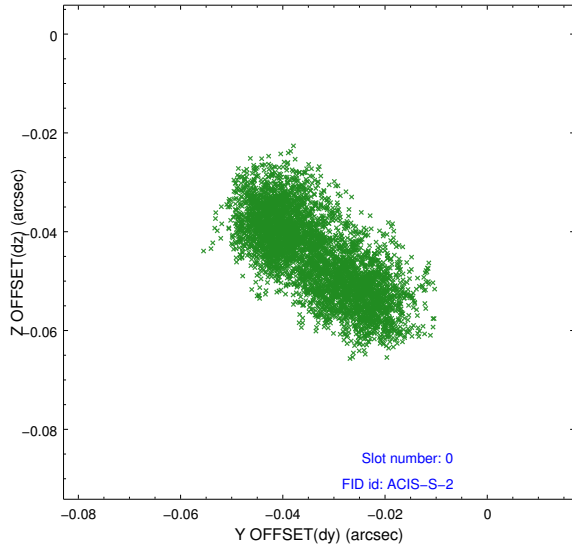


Time (s)

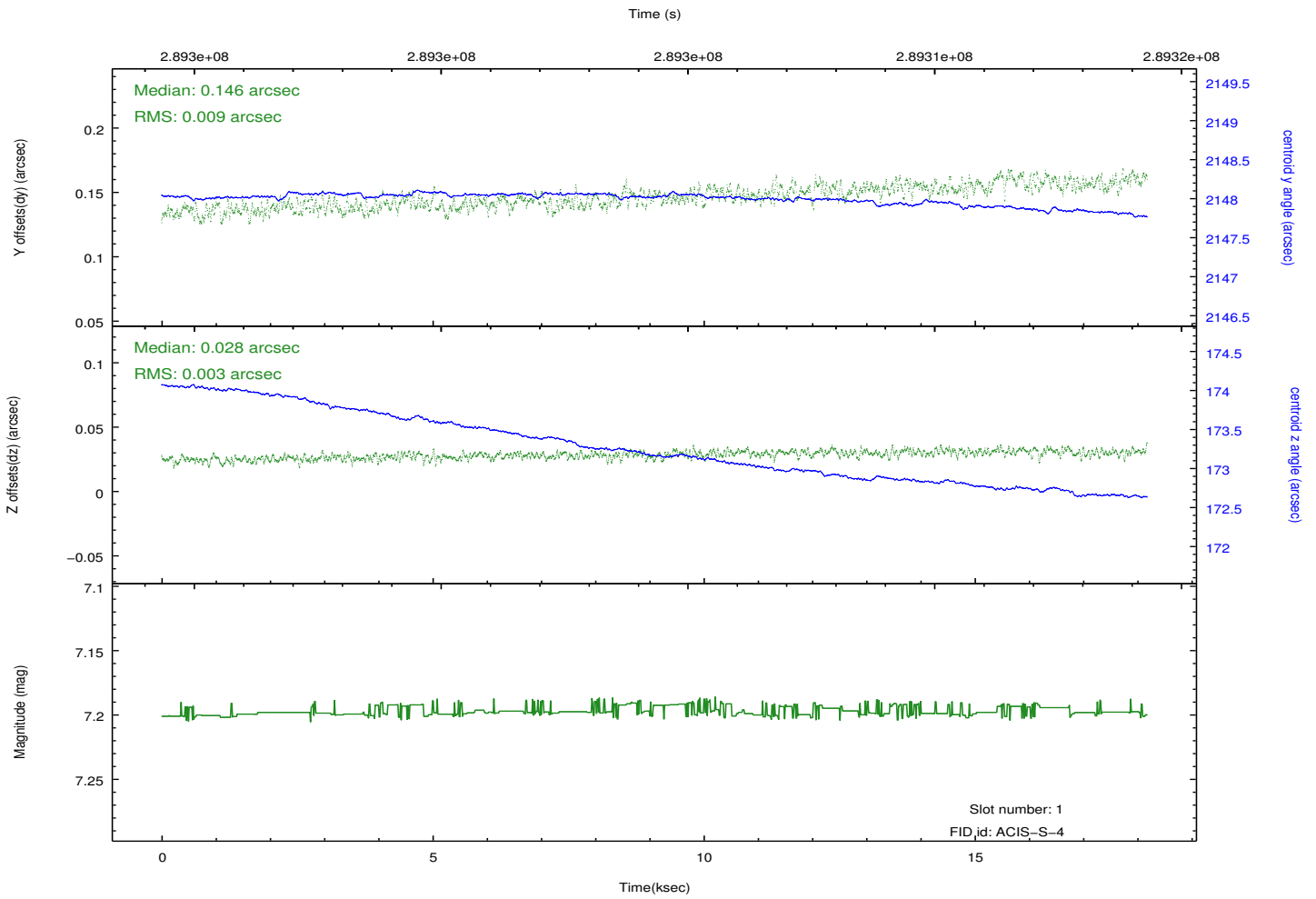
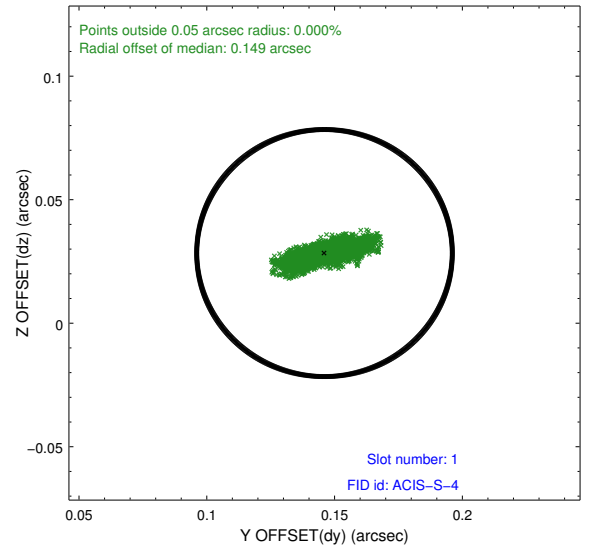
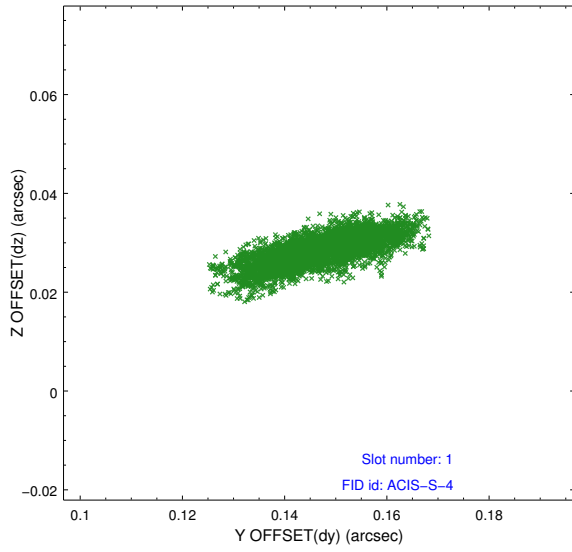


2.5 FID Slots

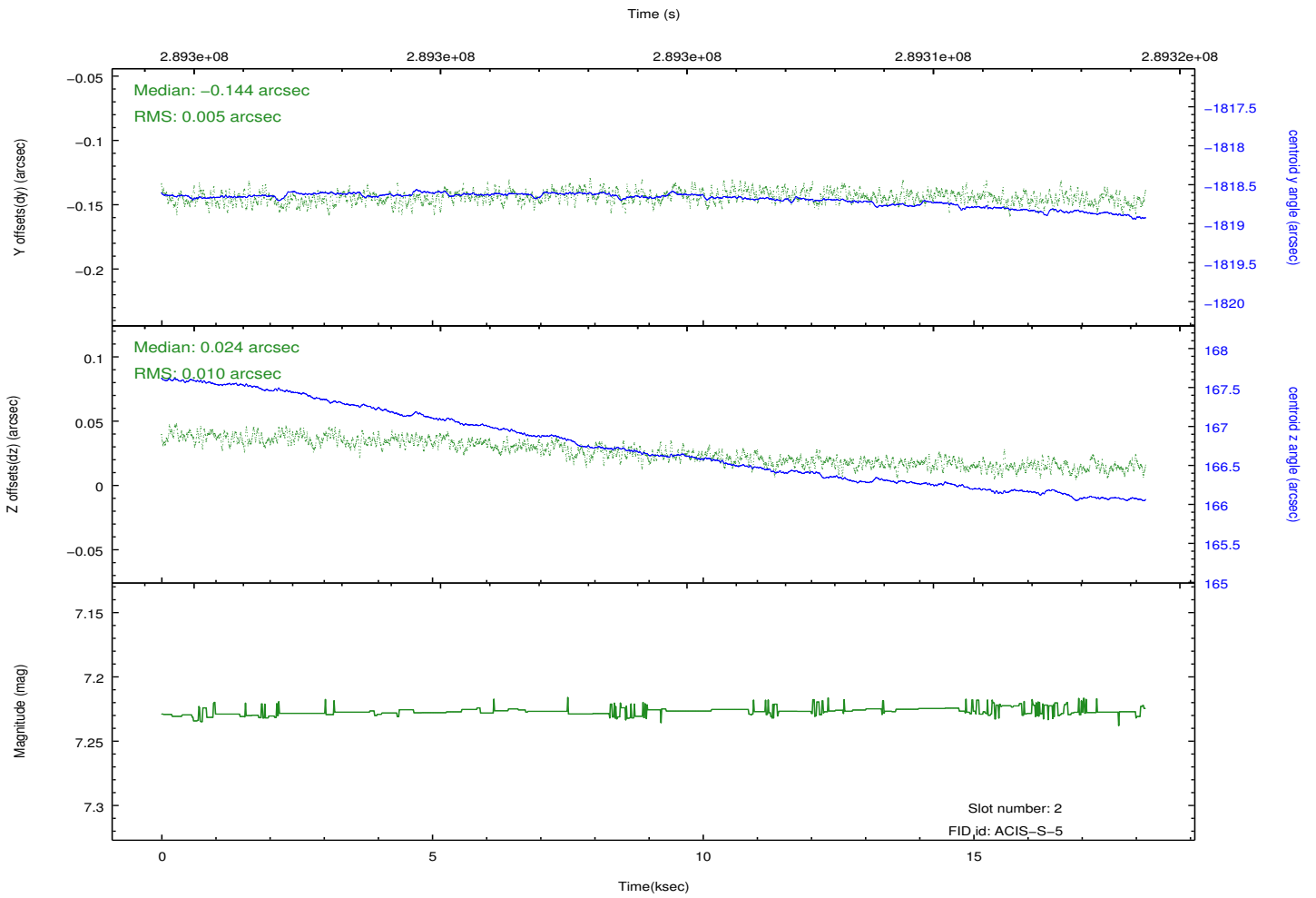
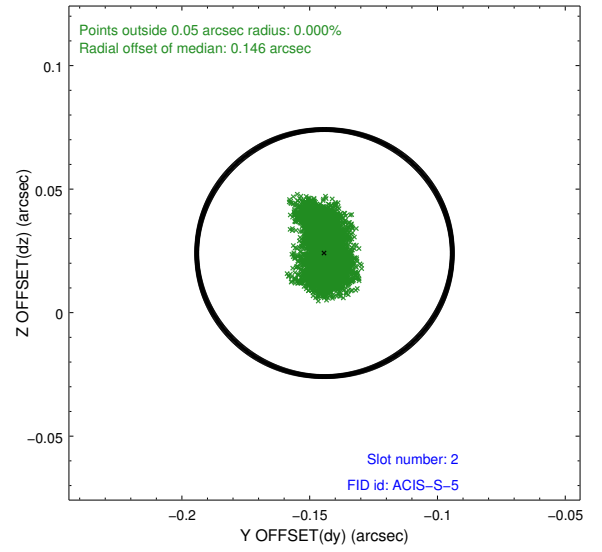
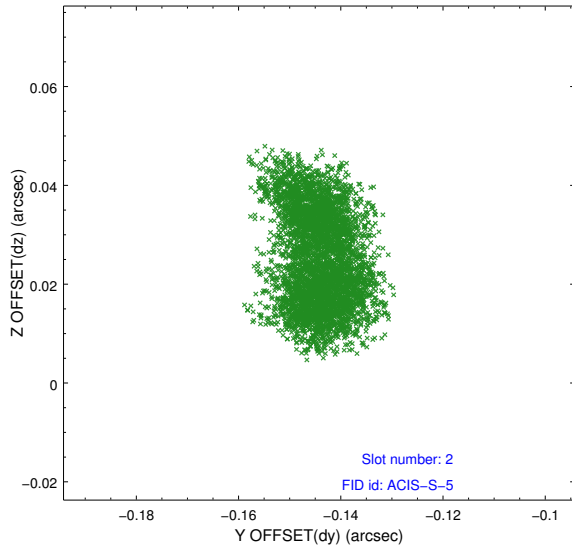
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.1784001

A.2 Comments

Joint proposal with XMM.

Window preference met.