

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8218 - L2 Version 3
Chandra X-Ray Center

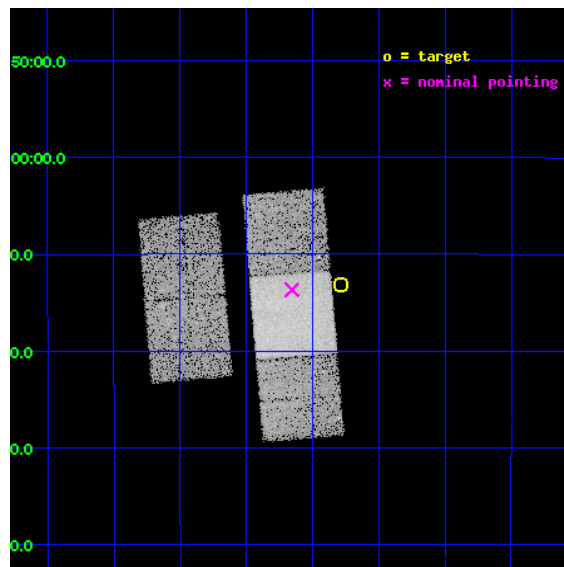
L2 Processing Date : Apr 21 2012

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1 Front

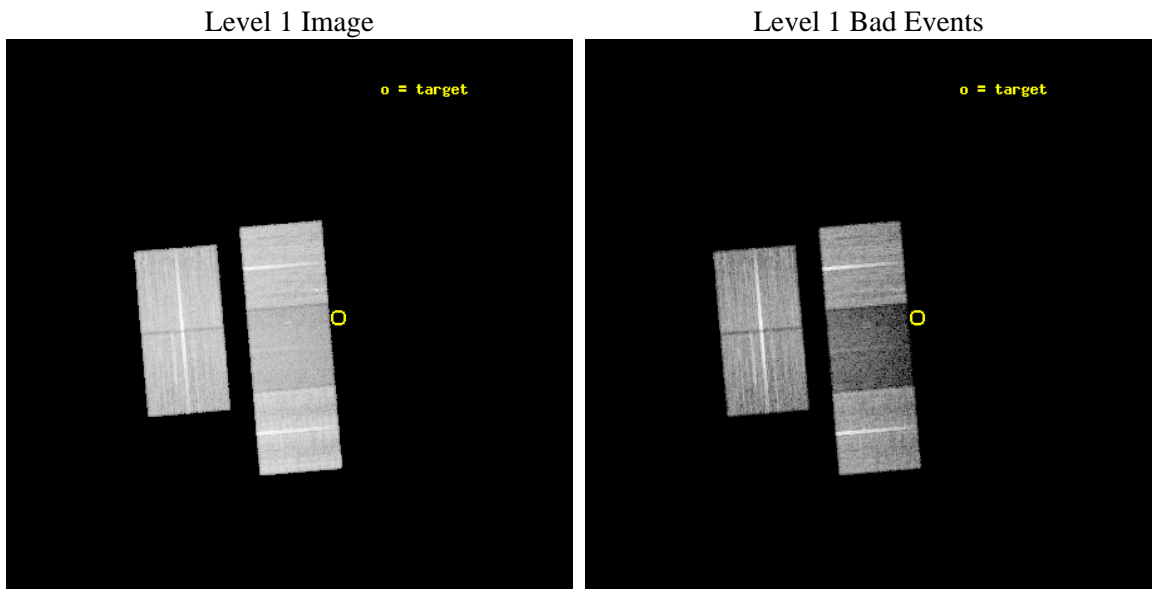
seq_num	100068	Sequence number
obs_id	8218	Observation id
title	X-Ray Observations of Jupiter in Support of the New Horizons Flyby	
observer	Dr. G. Gladstone	Principal investigator
object	Jupiter	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	257.446208	Observer's specified target RA [deg]
dec_targ	-22.219167	Observer's specified target Dec [deg]
ra_nom	257.53930261535	Nominal RA [deg]
dec_nom	-22.228255121089	Nominal Dec [deg]
roll_nom	85.192346917285	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19409.100149274	Sum of GTIs [s]
liveltime	19155.505967052	Livetime [s]
ontime2	19405.959188938	Sum of GTIs [s]
ontime3	19409.100149274	Sum of GTIs [s]
ontime6	19409.100149274	Sum of GTIs [s]
ontime7	19409.100149274	Sum of GTIs [s]
ontime8	19399.677188456	Sum of GTIs [s]
l2events	79921	Number of level 2 events



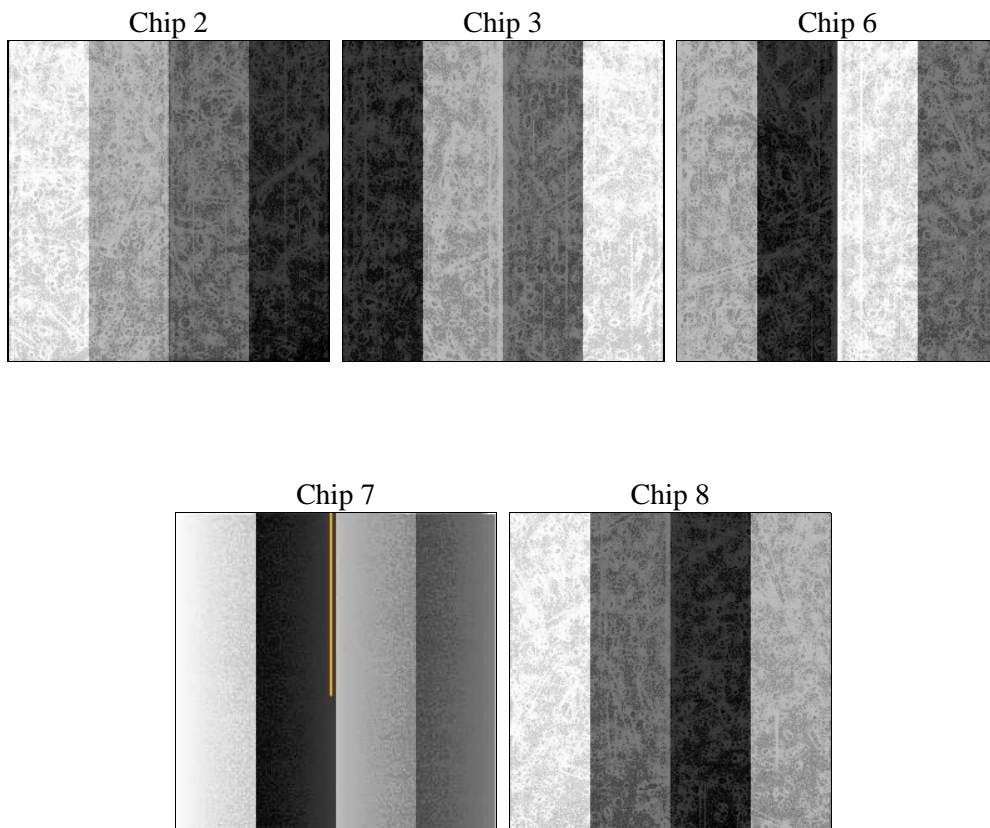
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19225.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	19409.100149274	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	19405.959188938	Sum of GTIs [s]
date	2012-04-21T02:22:48	Date and time of file creation	ontime3	19409.100149274	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	19409.100149274	Sum of GTIs [s]
			ontime7	19409.100149274	Sum of GTIs [s]
			ontime8	19399.677188456	Sum of GTIs [s]
			l1events	625113	Number of level 1 events

2.1.4 Events

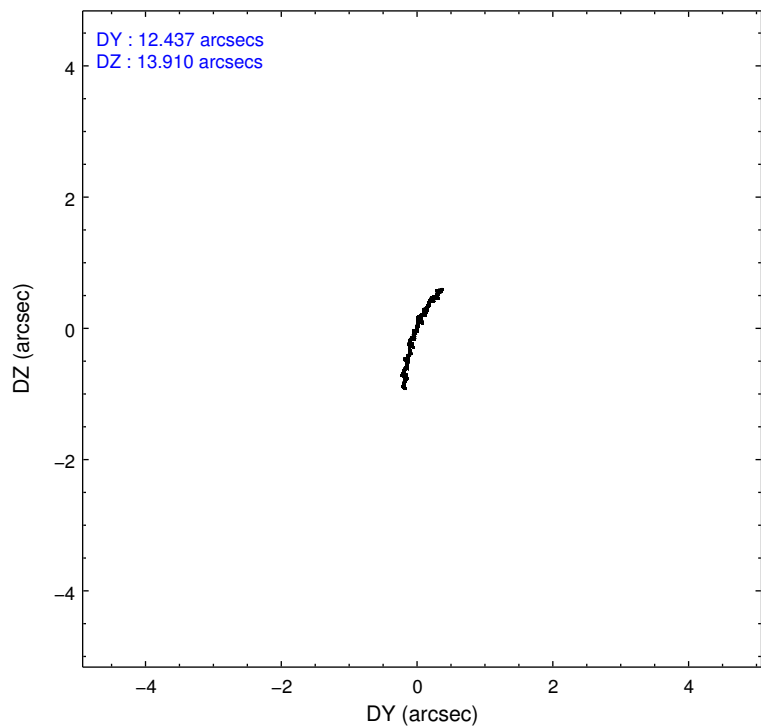
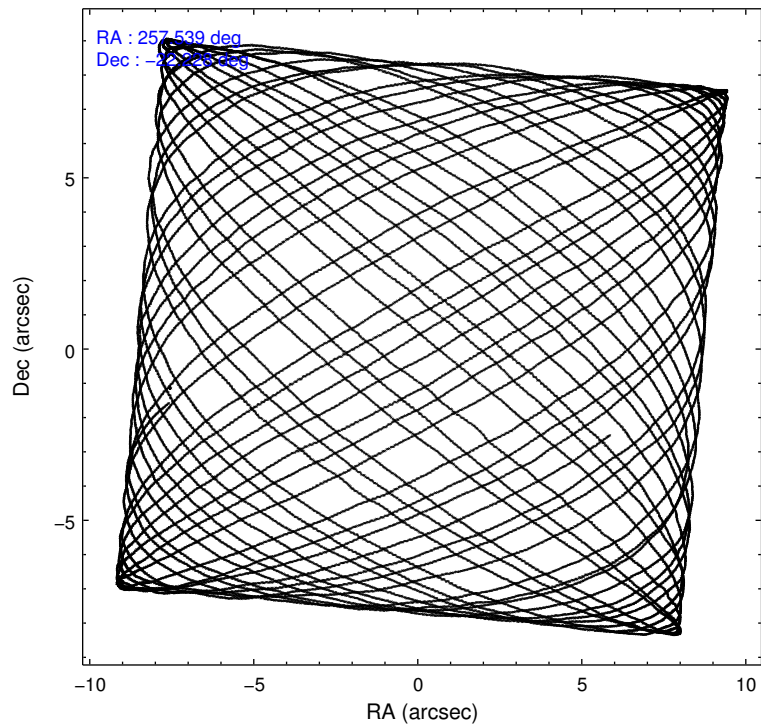
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	137102	125508	130287	76335	155881
rejected events	125688	114662	118061	35386	114673
rejected %	91%	91%	90%	46%	73%

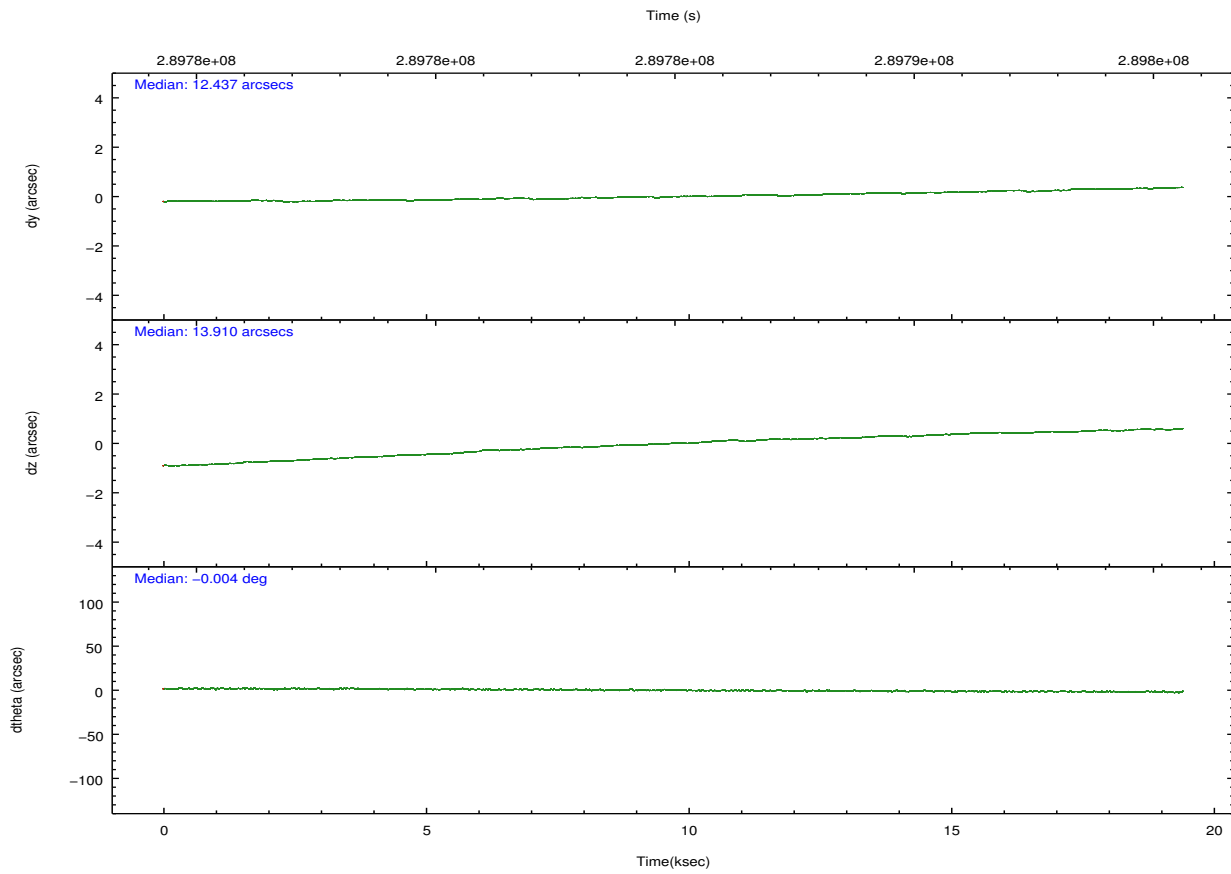
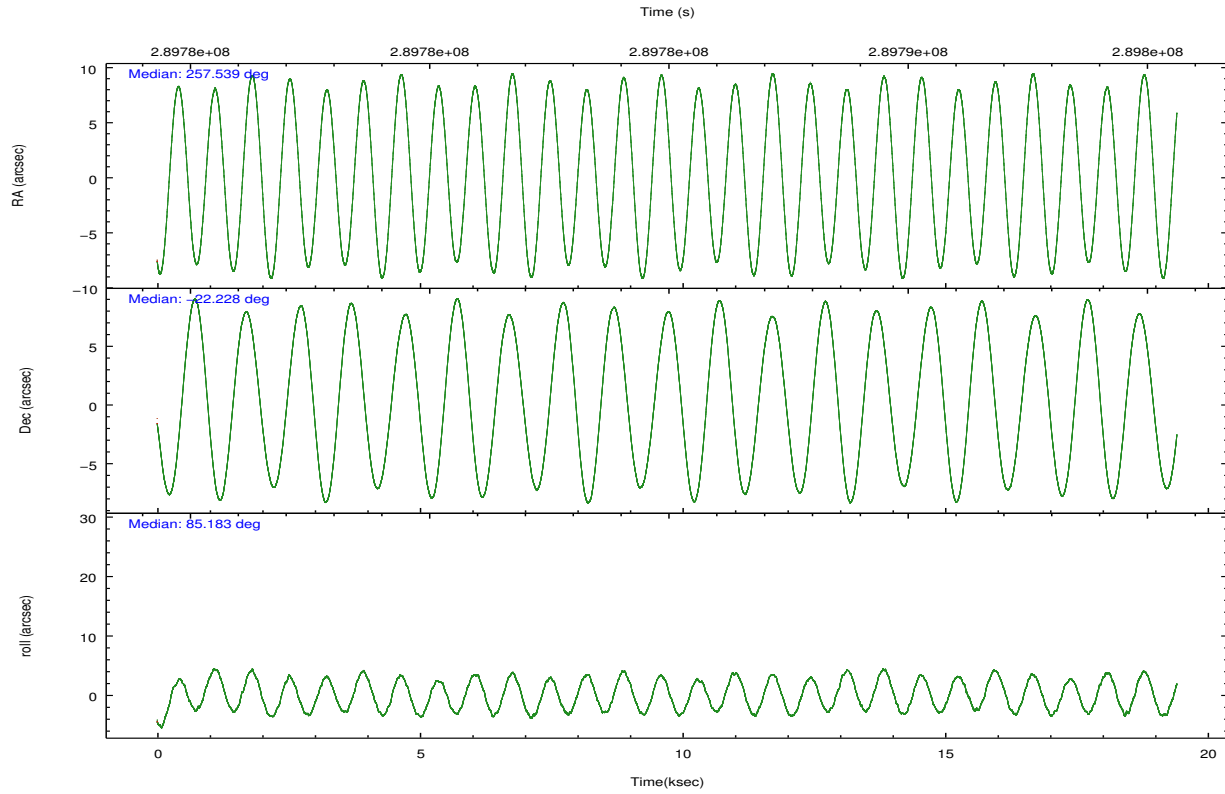
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4922	4736	5283	5141	11926
	3%	3%	4%	6%	7%
grade 1 events	65	76	71	132	133
	0%	0%	0%	0%	0%
grade 2 events	2655	2203	2660	9904	9668
	1%	1%	2%	12%	6%
grade 3 events	1193	1194	1269	3825	4689
	0%	0%	0%	5%	3%
grade 4 events	1260	1196	1277	3779	4129
	0%	0%	0%	4%	2%
grade 5 events	1991	2546	2673	7803	4418
	1%	2%	2%	10%	2%
grade 6 events	1533	1647	1887	18819	11258
	1%	1%	1%	24%	7%
grade 7 events	123483	111910	115167	26932	109660
	90%	89%	88%	35%	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	257.552259	257.5393026153479	Subarray requested	NONE	NONE
[deg] Pointing Dec	-22.252797	-22.22825512108862	Alternating exposures requested	N	N
[deg] Pointing Roll	85.040620	85.19234691728545	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	289632665.184000	289632665.184000			
[s] Window stop time (MET)	289794665.184000	289794665.184000			
[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)	289775440.184000	289775011.15429			
Observation start date	2007-03-08T21:09:35	2007-03-08T21:03:31			
[s] Observation end time (MET)	289794665.184000	289795526.01777			
Observation end date	2007-03-09T02:30:00	2007-03-09T02:45:26			
Read mode	TIMED	TIMED			

2.3 Aspect



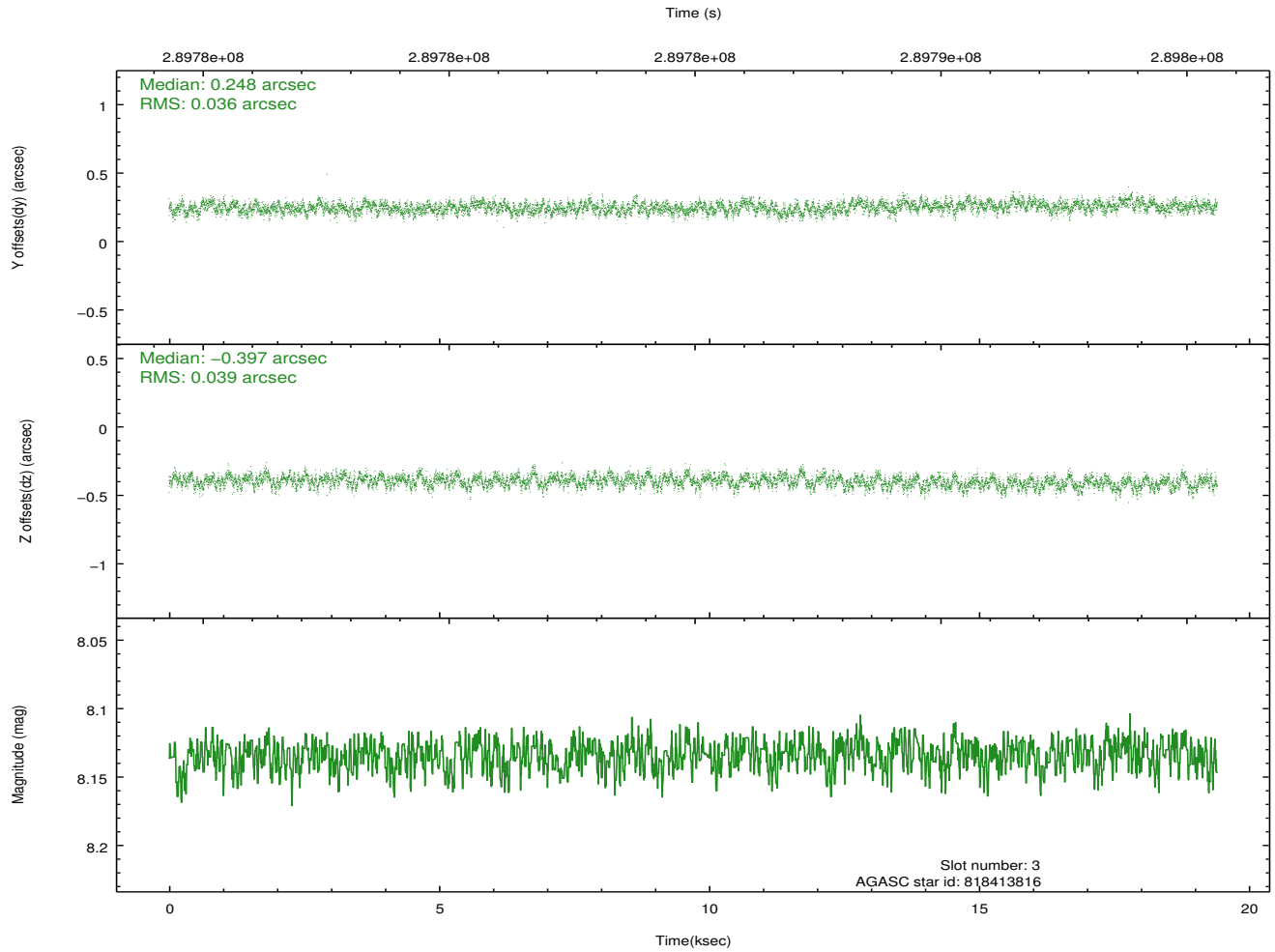
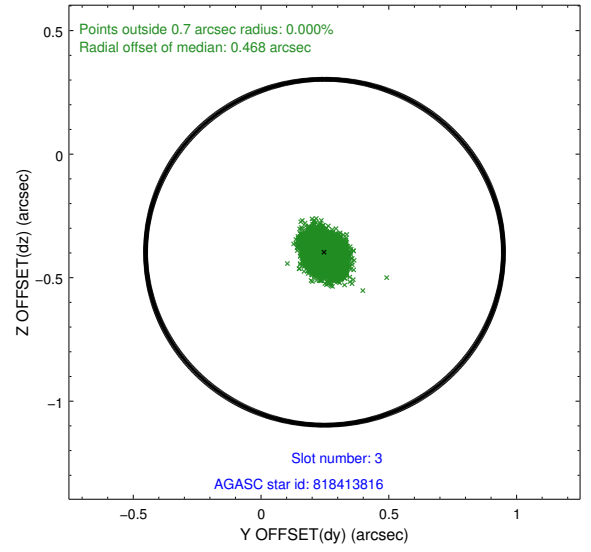
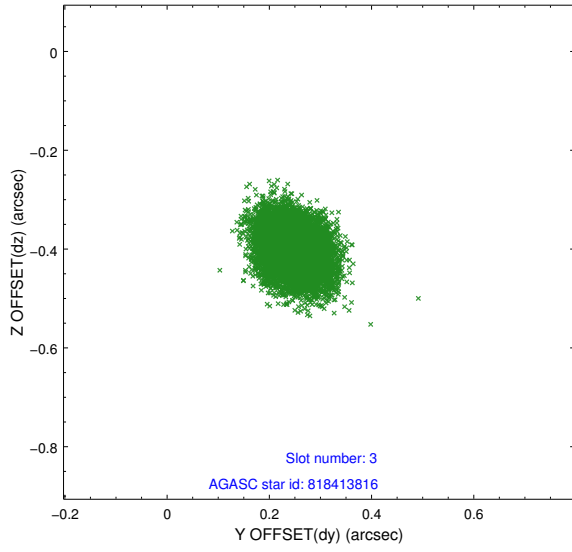


Slot Statistics

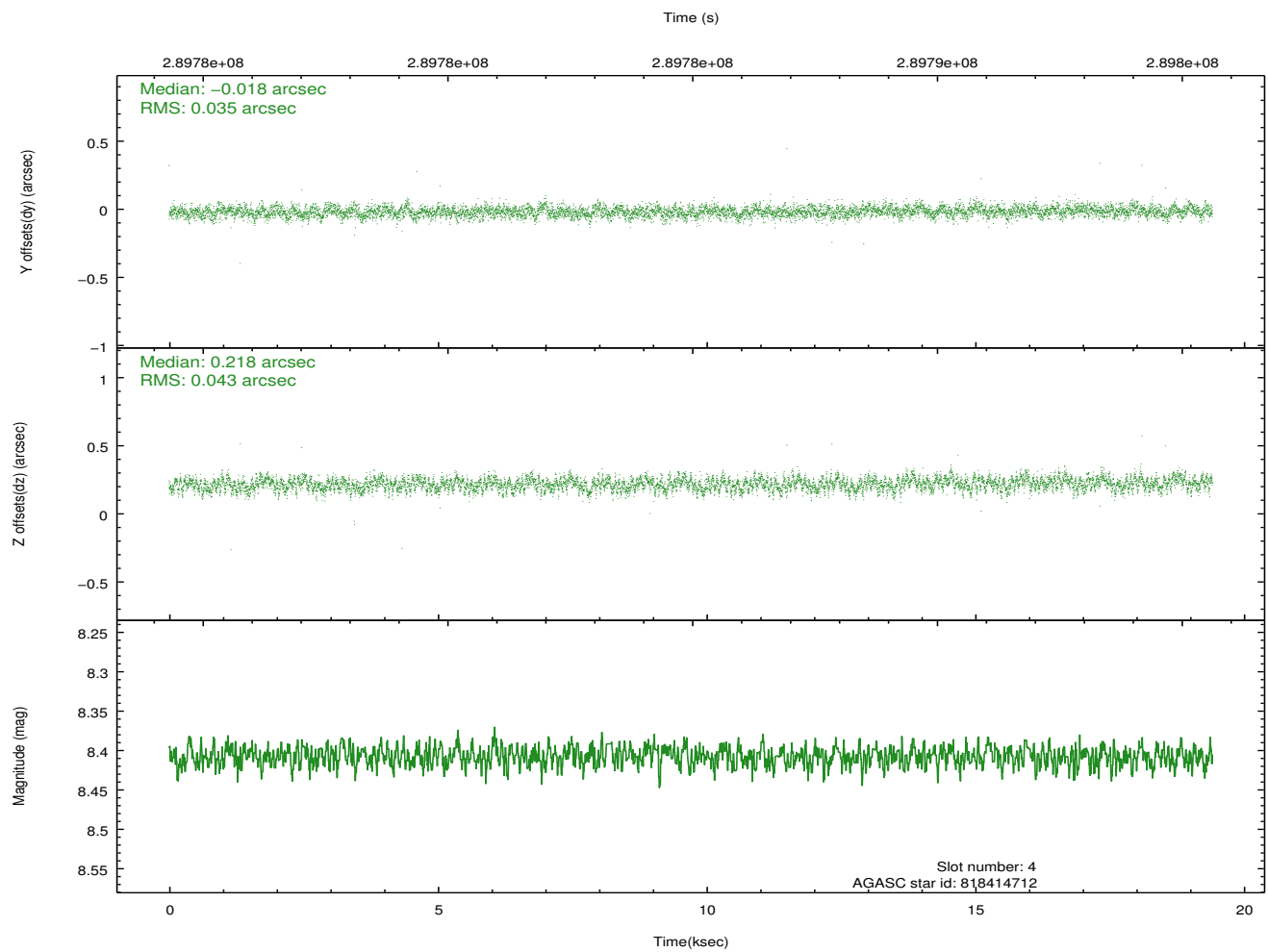
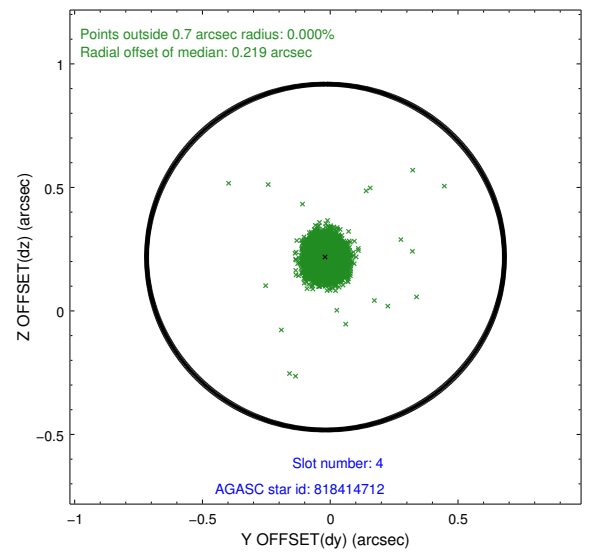
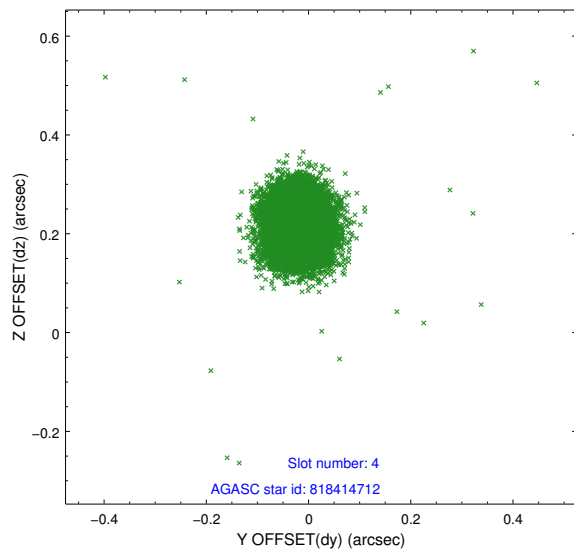
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	4735	-0.033	-0.061	0.015	0.024	0.000000	0.000000	-765.38	-1735.20
1	FID	ACIS-S-4	7.20	4736	0.152	0.031	0.010	0.017	0.000000	0.000000	2147.98	173.17
2	FID	ACIS-S-5	7.23	4736	-0.152	0.038	0.014	0.023	0.000000	0.000000	-1818.10	167.06
3	GUIDE	818413816	8.13	9470	0.248	-0.397	0.056	0.092	256.942894	-22.495300	-1049.11	1942.92
4	GUIDE	818414712	8.41	9470	-0.018	0.218	0.057	0.093	257.882517	-22.166495	403.96	-1069.67
5	GUIDE	818415920	8.95	9468	0.010	-0.171	0.069	0.110	257.460062	-21.792082	1626.24	450.52
6	GUIDE	818417176	9.13	9457	-0.129	0.197	0.090	0.146	257.856345	-21.897386	1362.08	-900.94
7	GUIDE	818544920	8.60	9466	-0.109	0.162	0.070	0.112	258.015076	-21.791117	1787.32	-1396.92

2.4 Star Slots

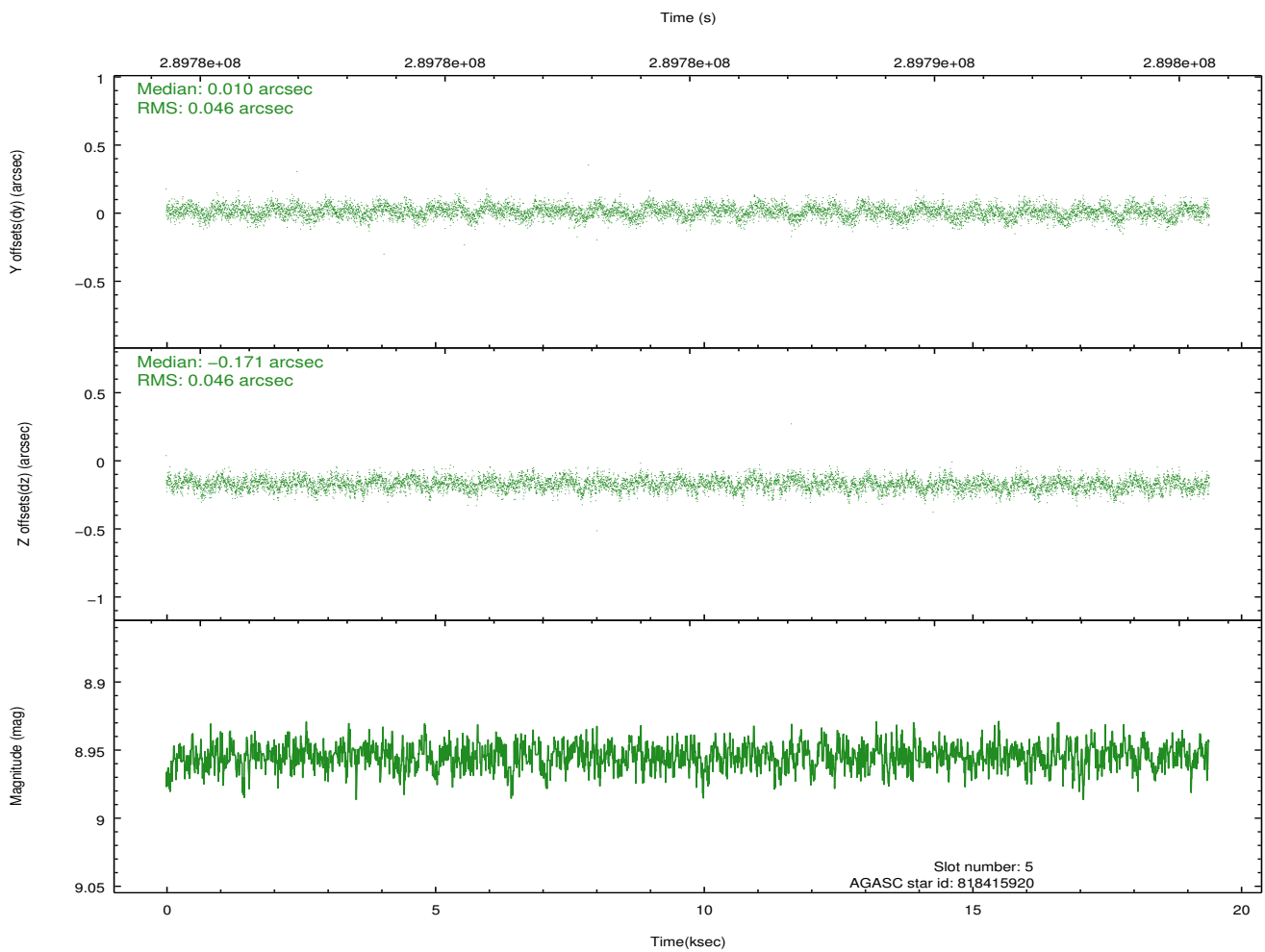
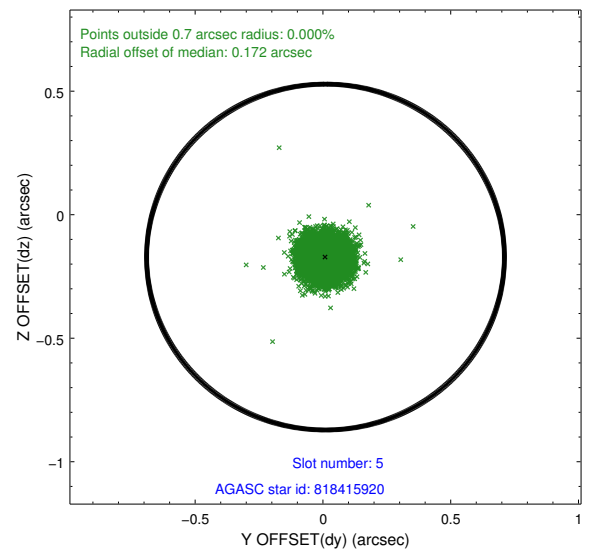
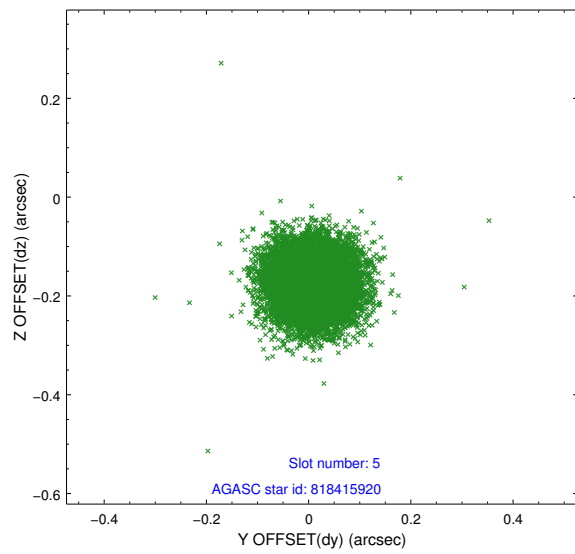
2.4.1 Slot 3



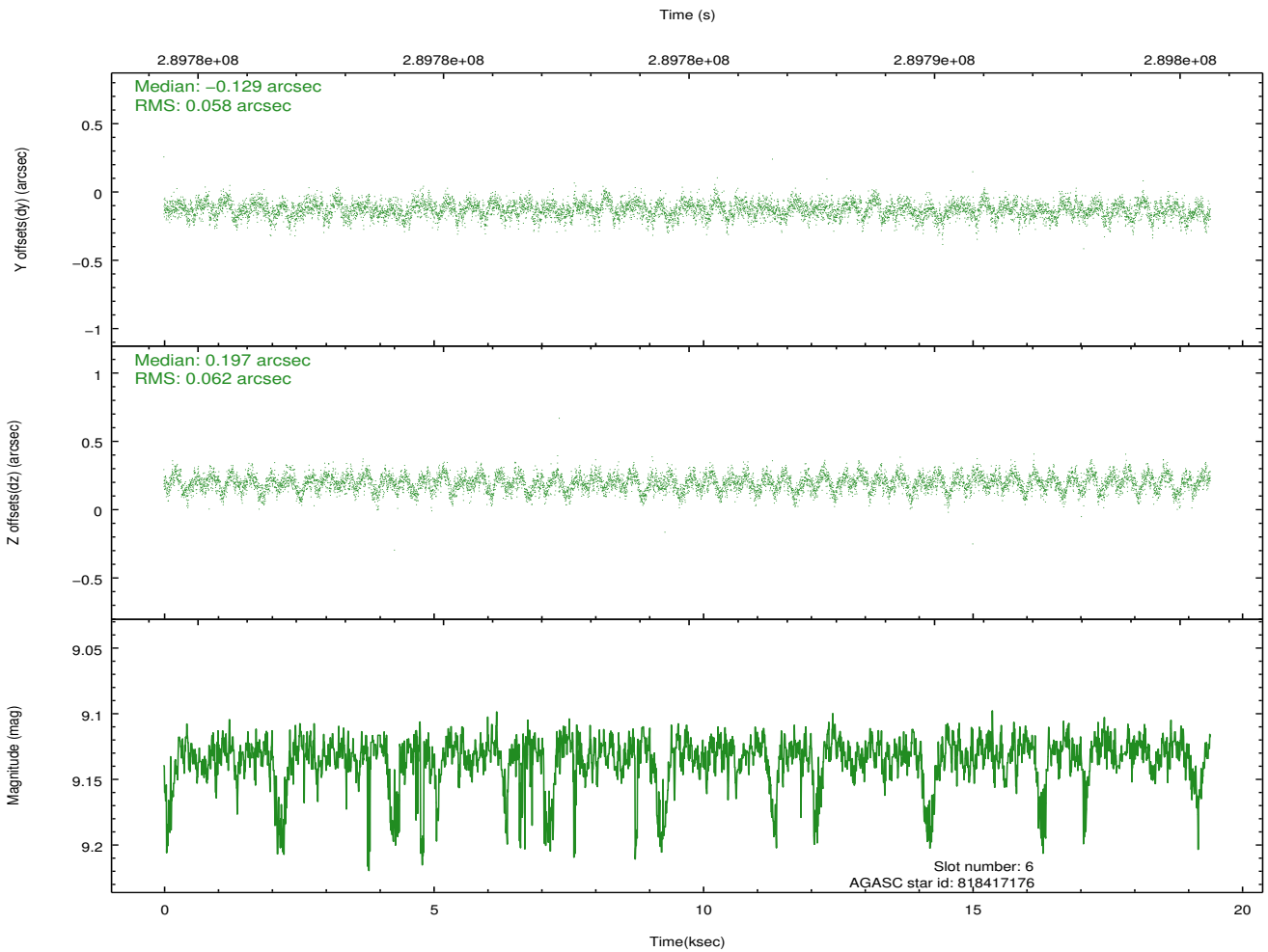
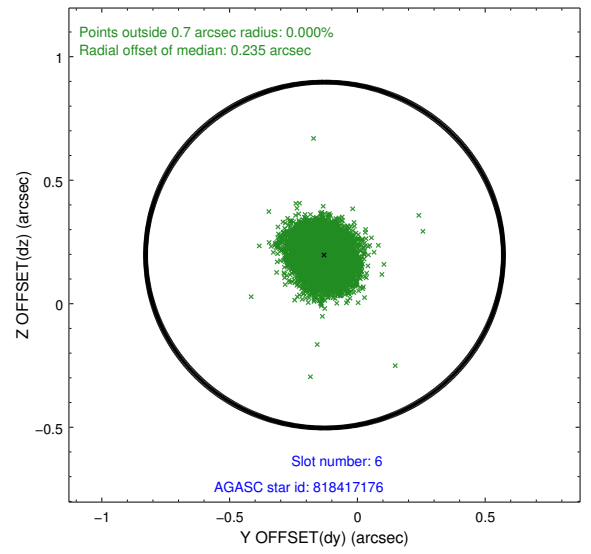
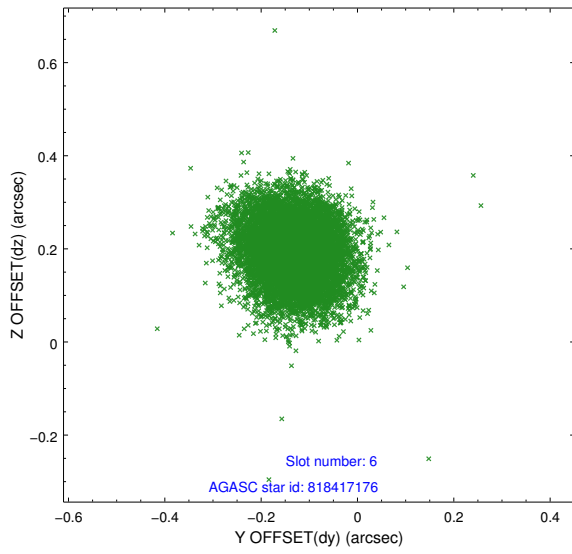
2.4.2 Slot 4



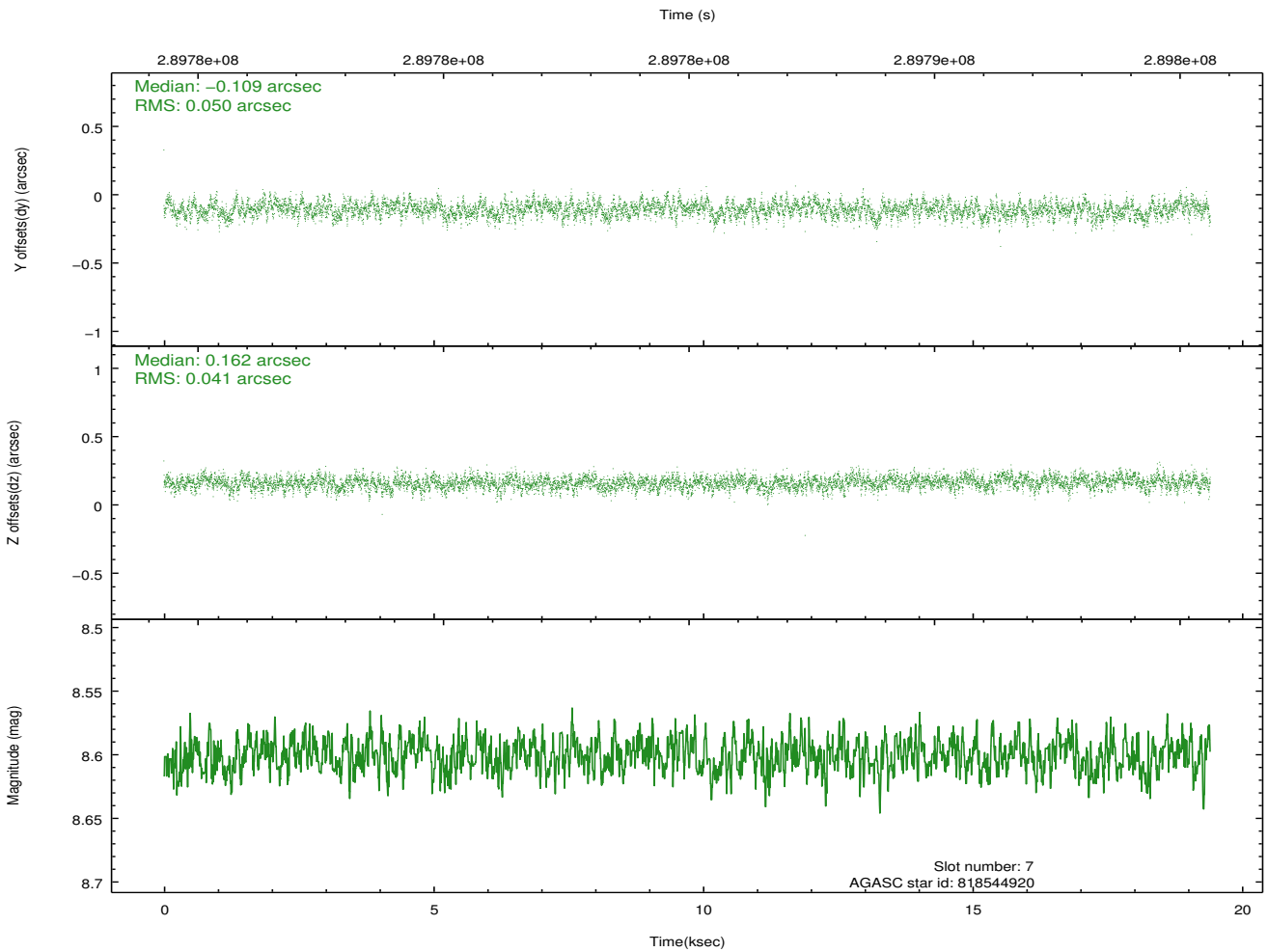
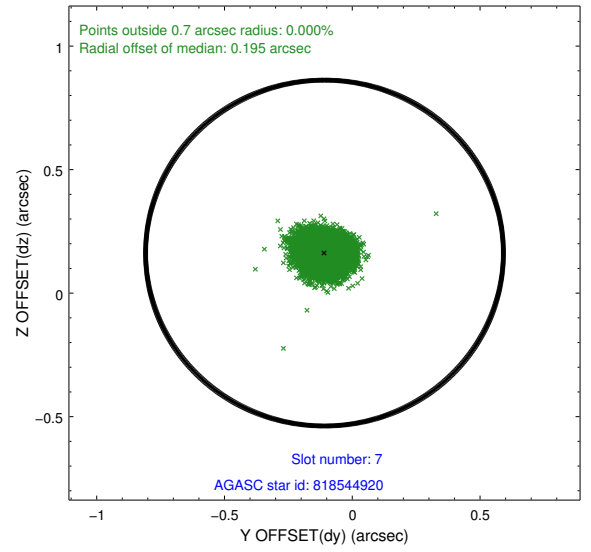
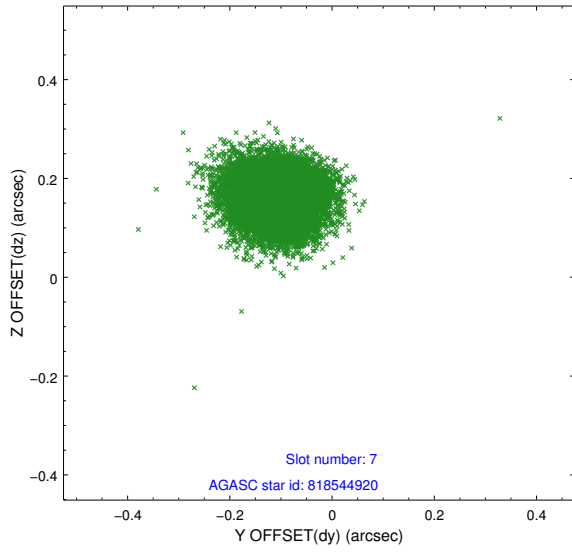
2.4.3 Slot 5



2.4.4 Slot 6

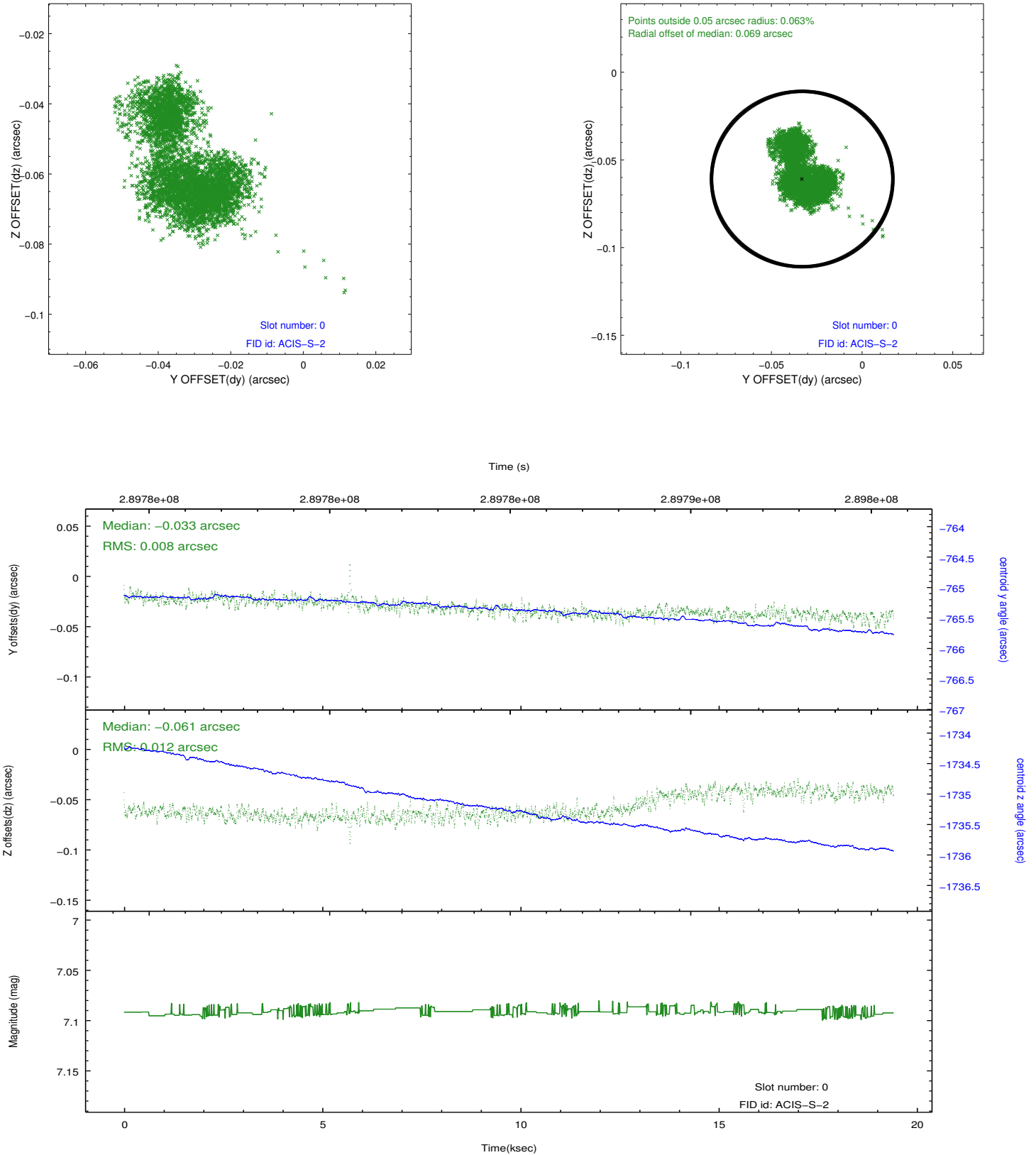


2.4.5 Slot 7

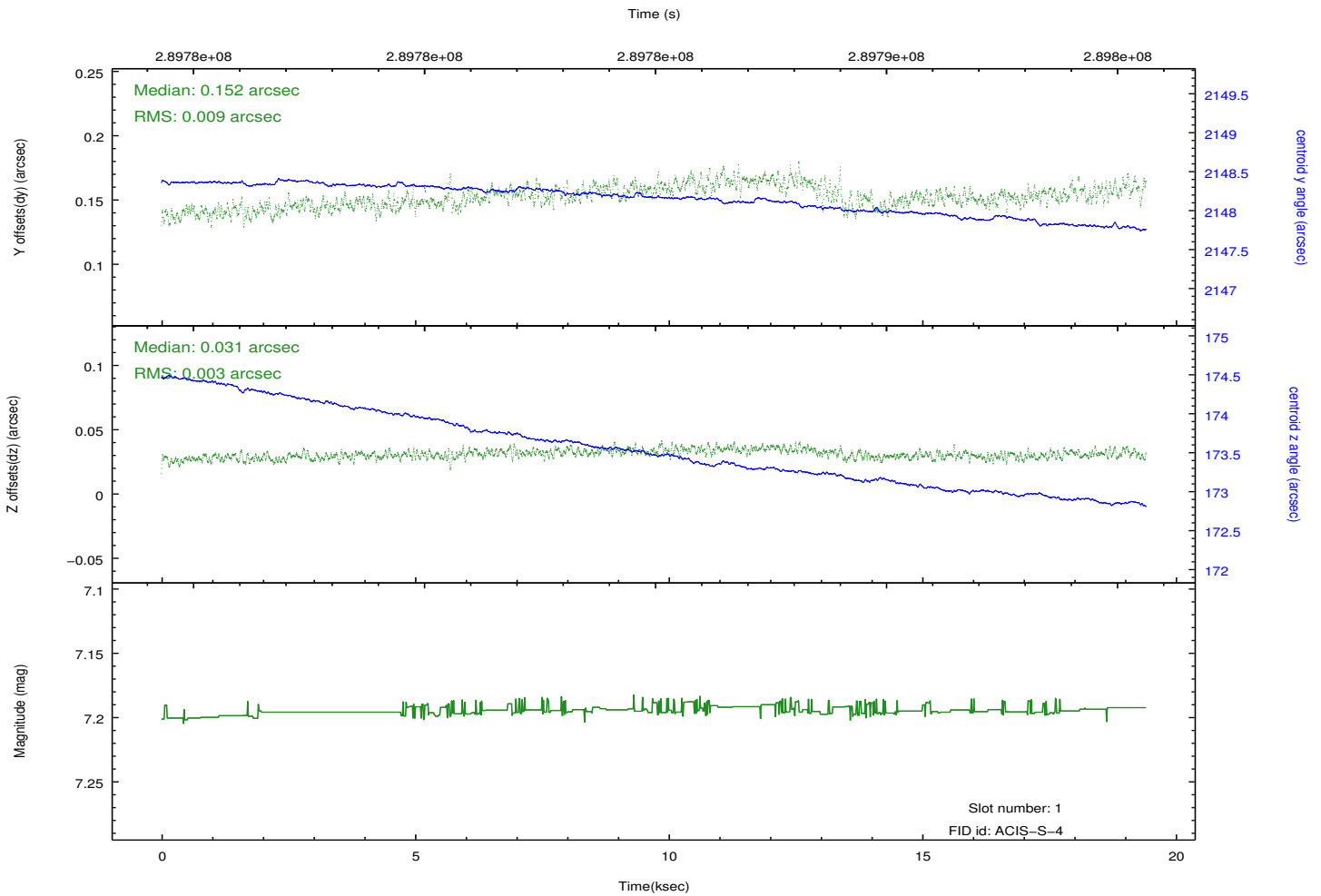
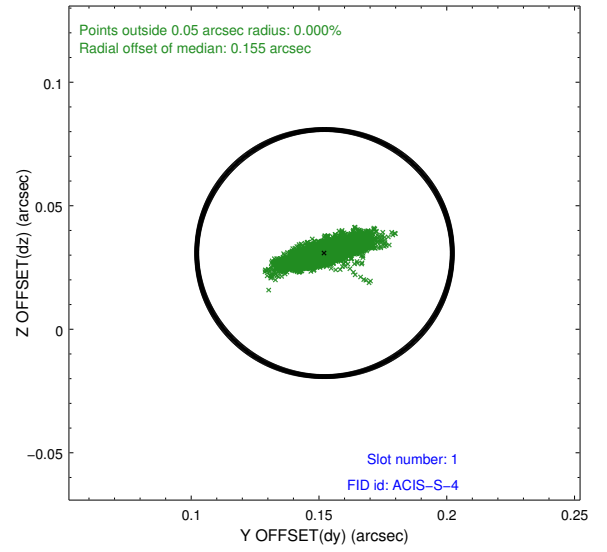
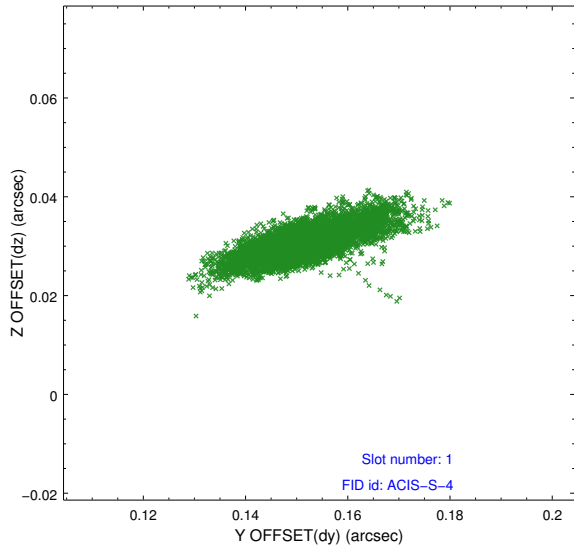


2.5 FID Slots

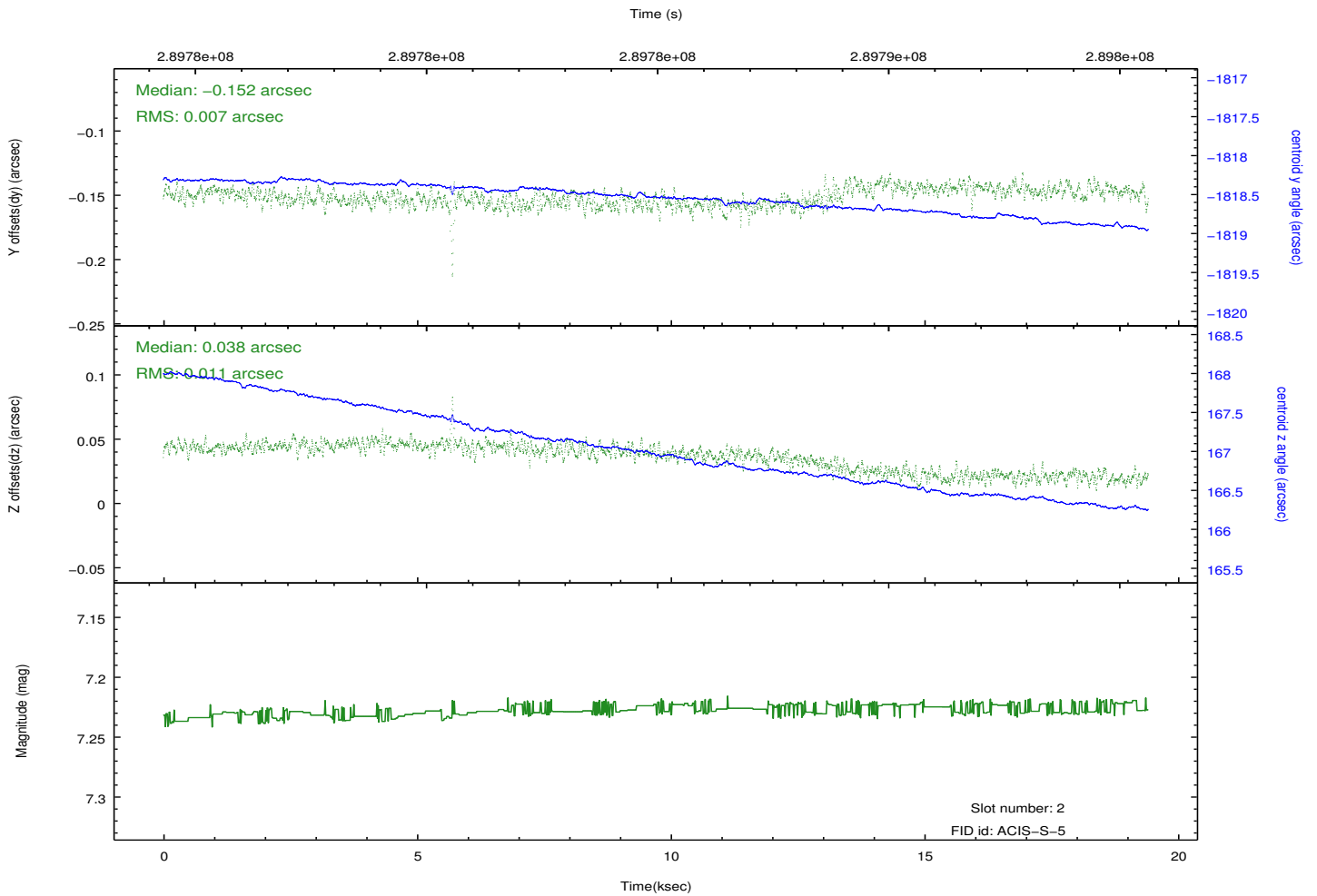
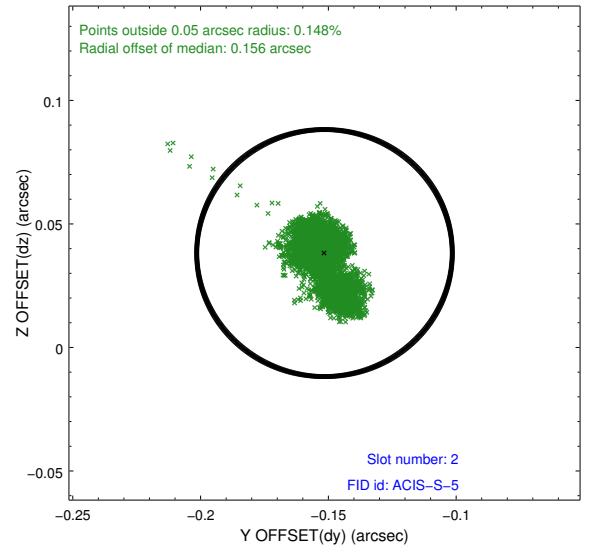
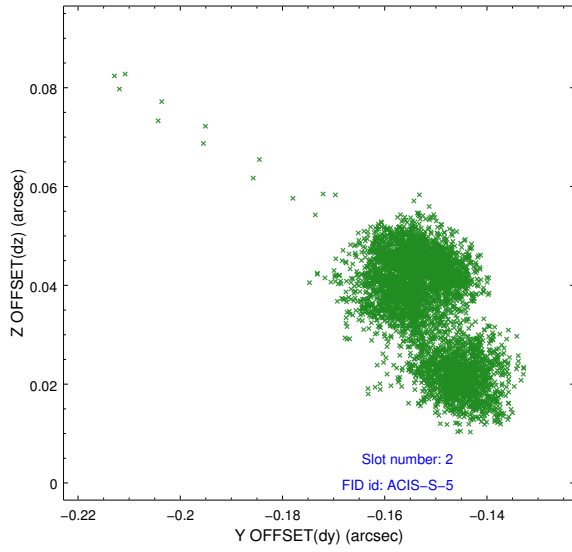
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	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	19.4091001

A.2 Comments

Joint proposal with XMM.

Window preference met.