

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12541 - L2 Version 2
Chandra X-Ray Center

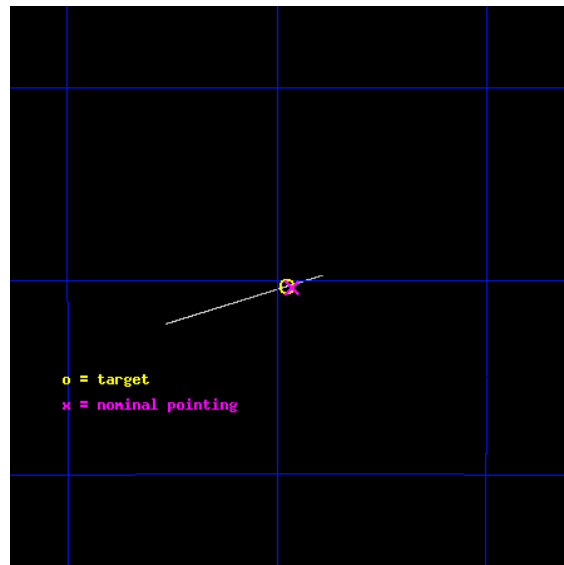
L2 Processing Date : Feb 19 2012

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1 Front

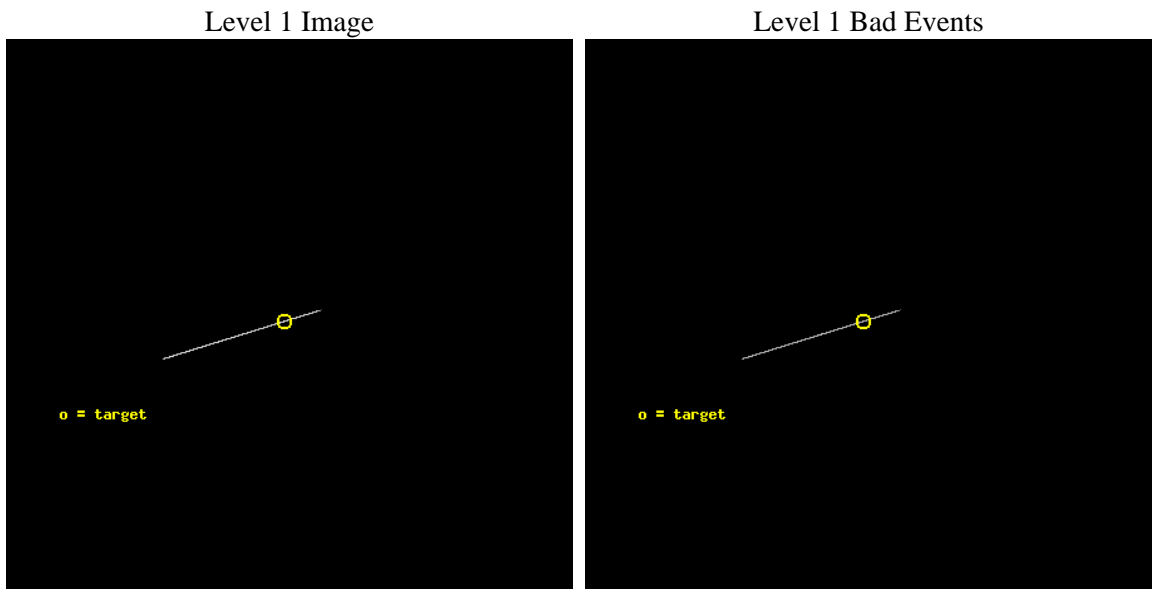
seq_num	501374	Sequence number
obs_id	12541	Observation id
title	Measuring the Spin-Down and Magnetic Field Strength of the CCO Pulsar in Puppis A	Proposal title
observer	Prof. Jules Halpern	Principal investigator
object	PSR J0821-4300	Source name
ra_targ	125.48875	Observer's specified target RA [deg]
dec_targ	-43.004889	Observer's specified target Dec [deg]
ra_nom	125.48233260411	Nominal RA [deg]
dec_nom	-43.006114623373	Nominal Dec [deg]
roll_nom	162.93614521981	Nominal Roll [deg]
revision	2	Processing version of data
ontime	33144.75	Sum of GTIs [s]
livetime	33015.278320312	Livetime [s]
ontime7	33144.75	Sum of GTIs [s]
l2events	1005931	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	33000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	33144.75	Sum of GTIs [s]
caldsver	4.4.8	 	ontime7	33144.75	Sum of GTIs [s]
date	2012-02-19T23:59:20	Date and time of file creation	l1events	1339811	Number of level 1 events
revision	2	Processing version of data			

2.1.3 Events

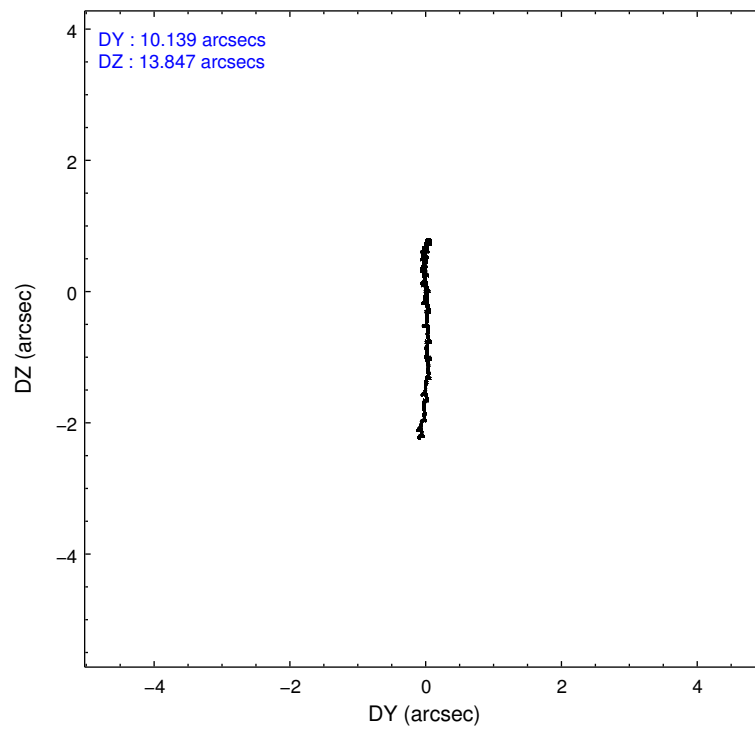
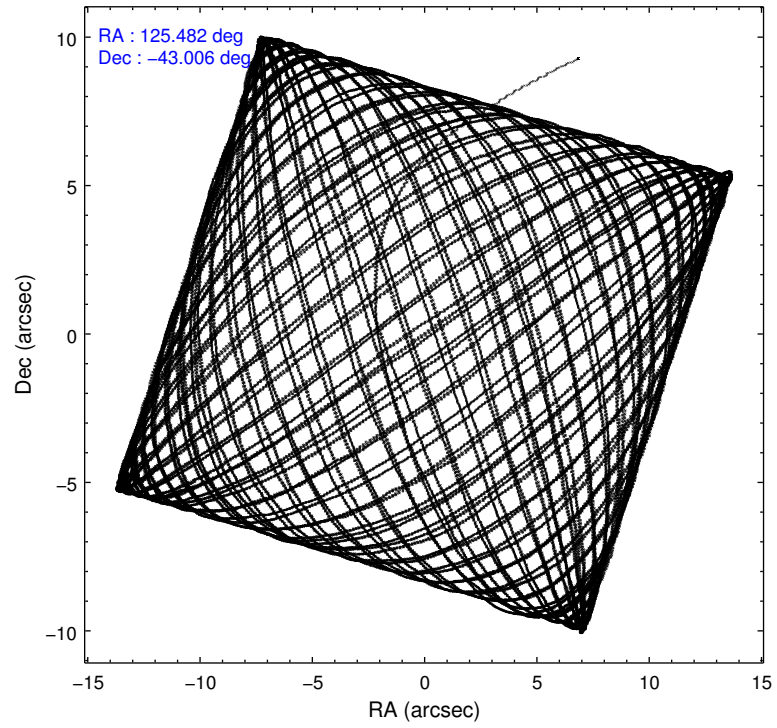
	ccd 7
level 1 events	1339811
rejected events	313719
rejected %	23%

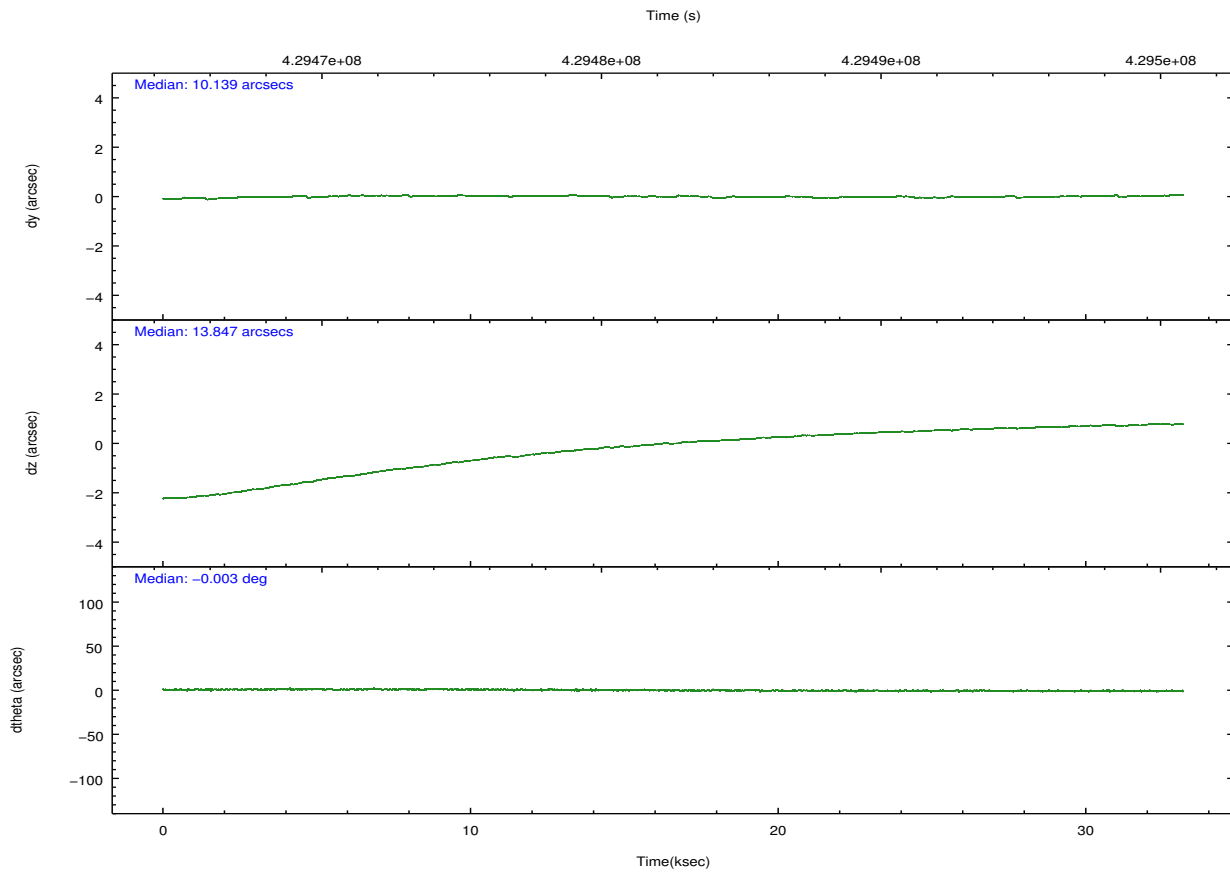
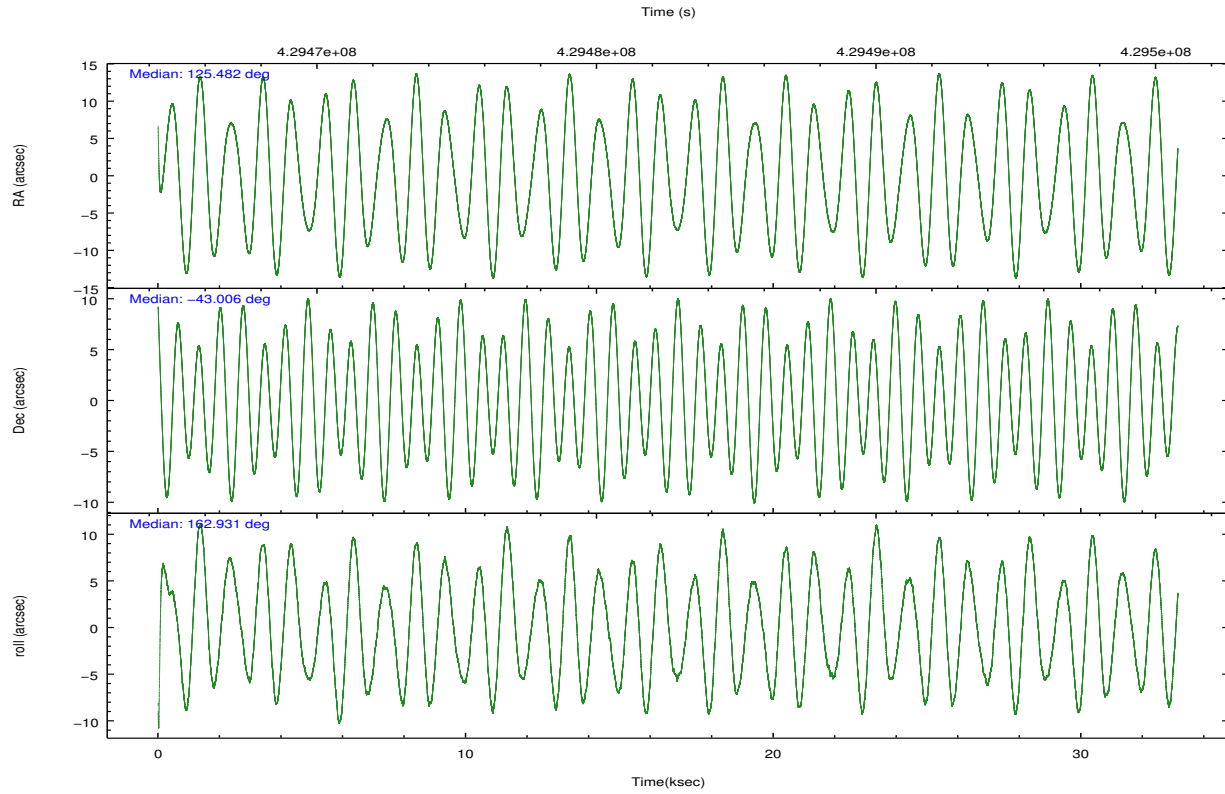
	ccd 7
grade 0 events	241227
	18%
grade 1 events	410
	0%
grade 2 events	359910
	26%
grade 3 events	91521
	6%
grade 4 events	90748
	6%
grade 5 events	27816
	2%
grade 6 events	245397
	18%
grade 7 events	282782
	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_GRADED	CC33_GRADED	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	125.518655	125.4823326041118	Subarray requested	NONE	NONE
[deg] Pointing Dec	-42.999615	-43.00611462337324	Alternating exposures requested	N	N
[deg] Pointing Roll	162.804303	162.9361452198115	[s] Primary exposure time	0.000000	0
[s] Window start time (MET)	428544066.184000	428544066.184000			
[s] Window stop time (MET)	431222406.184000	431222406.184000			
[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)	429466143.184000	429464914.68687			
Observation start date	2011-08-11T16:07:57	2011-08-11T15:48:34			
[s] Observation end time (MET)	429499143.184000	429500203.38872			
Observation end date	2011-08-12T01:17:57	2011-08-12T01:36:43			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



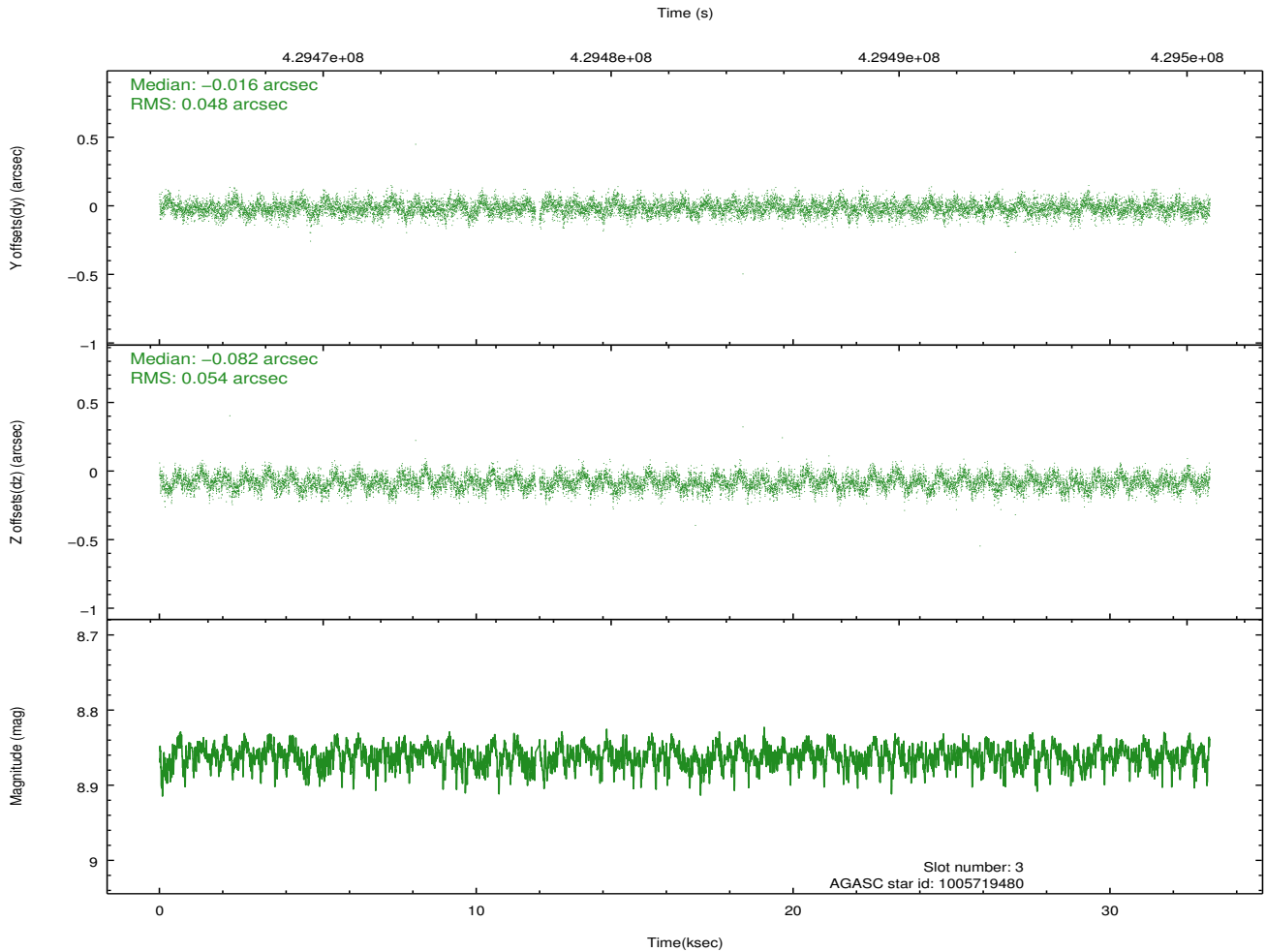
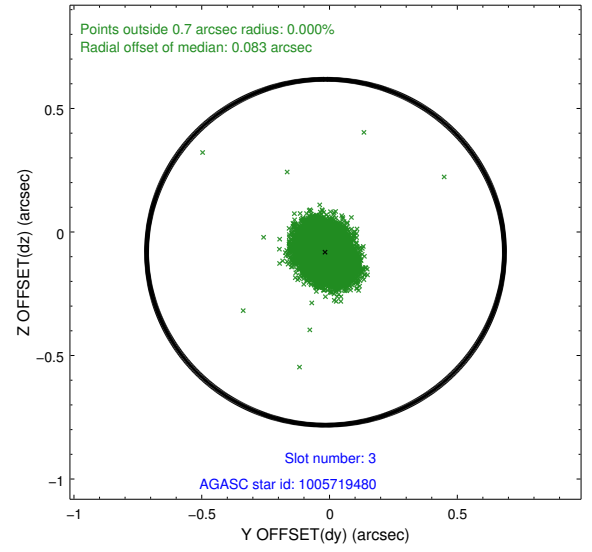
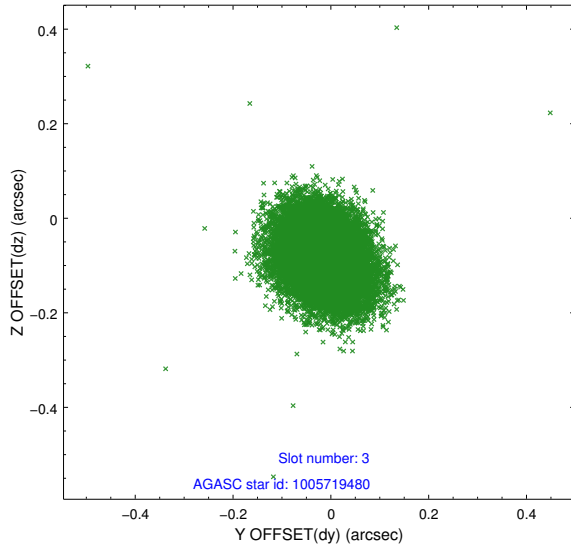


Slot Statistics

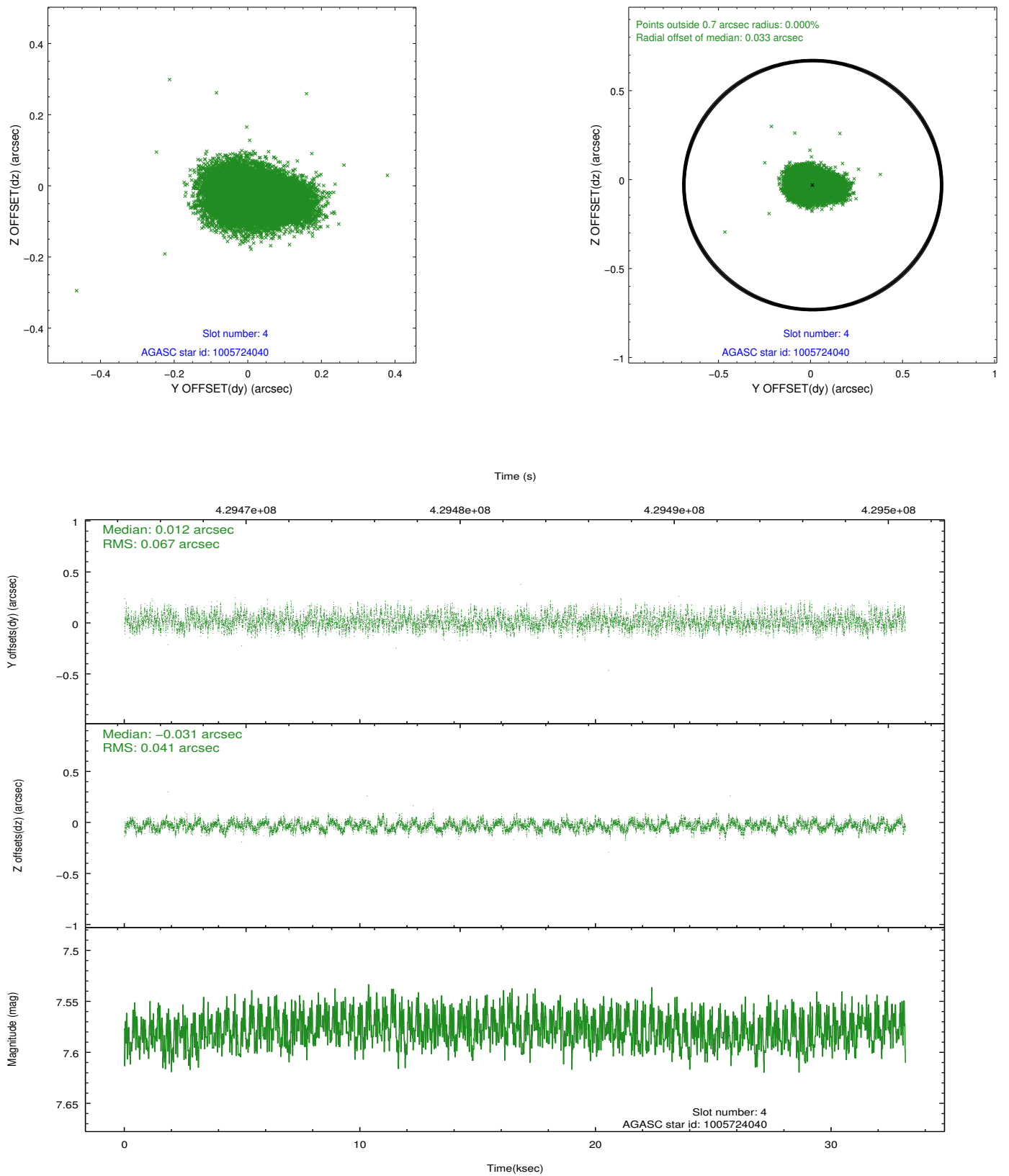
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	8086	-0.108	-0.067	0.009	0.017	0.000000	0.000000	-763.12	-1734.90
1	FID	ACIS-S-4	7.04	8086	0.127	0.054	0.010	0.019	0.000000	0.000000	2150.41	173.57
2	FID	ACIS-S-6	7.17	8086	-0.046	0.020	0.007	0.012	0.000000	0.000000	399.05	811.04
3	GUIDE	1005719480	8.86	16102	-0.016	-0.082	0.076	0.124	125.476619	-43.605627	-540.57	2116.57
4	GUIDE	1005724040	7.58	16167	0.012	-0.031	0.084	0.137	125.738175	-43.227880	-793.23	615.72
5	GUIDE	1005726872	7.39	16171	-0.133	-0.153	0.059	0.093	125.535449	-43.662820	-747.96	2267.74
6	GUIDE	1005192328	8.96	16160	0.127	0.235	0.090	0.142	126.494374	-42.919317	-2376.14	-1022.06
7	GUIDE	1005723560	8.45	16171	0.003	0.030	0.076	0.130	126.279097	-43.364629	-2292.55	675.47

2.4 Star Slots

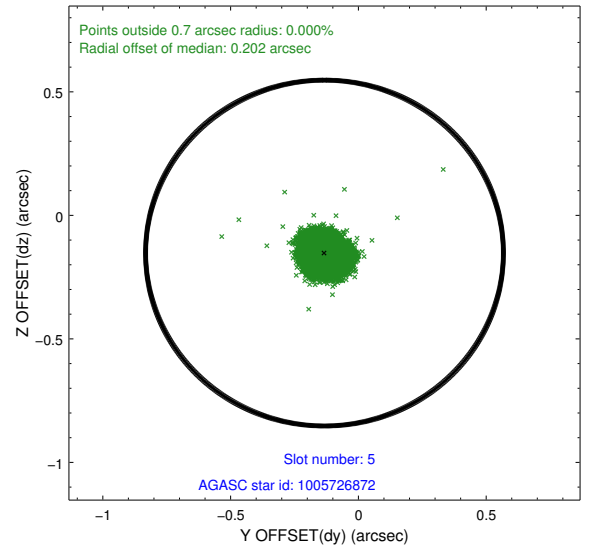
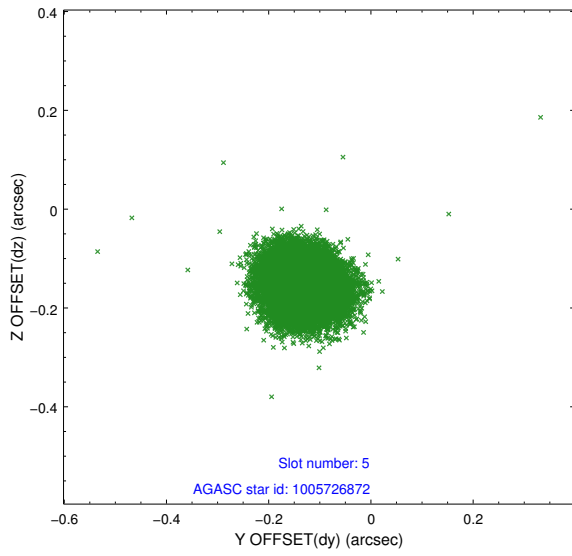
2.4.1 Slot 3



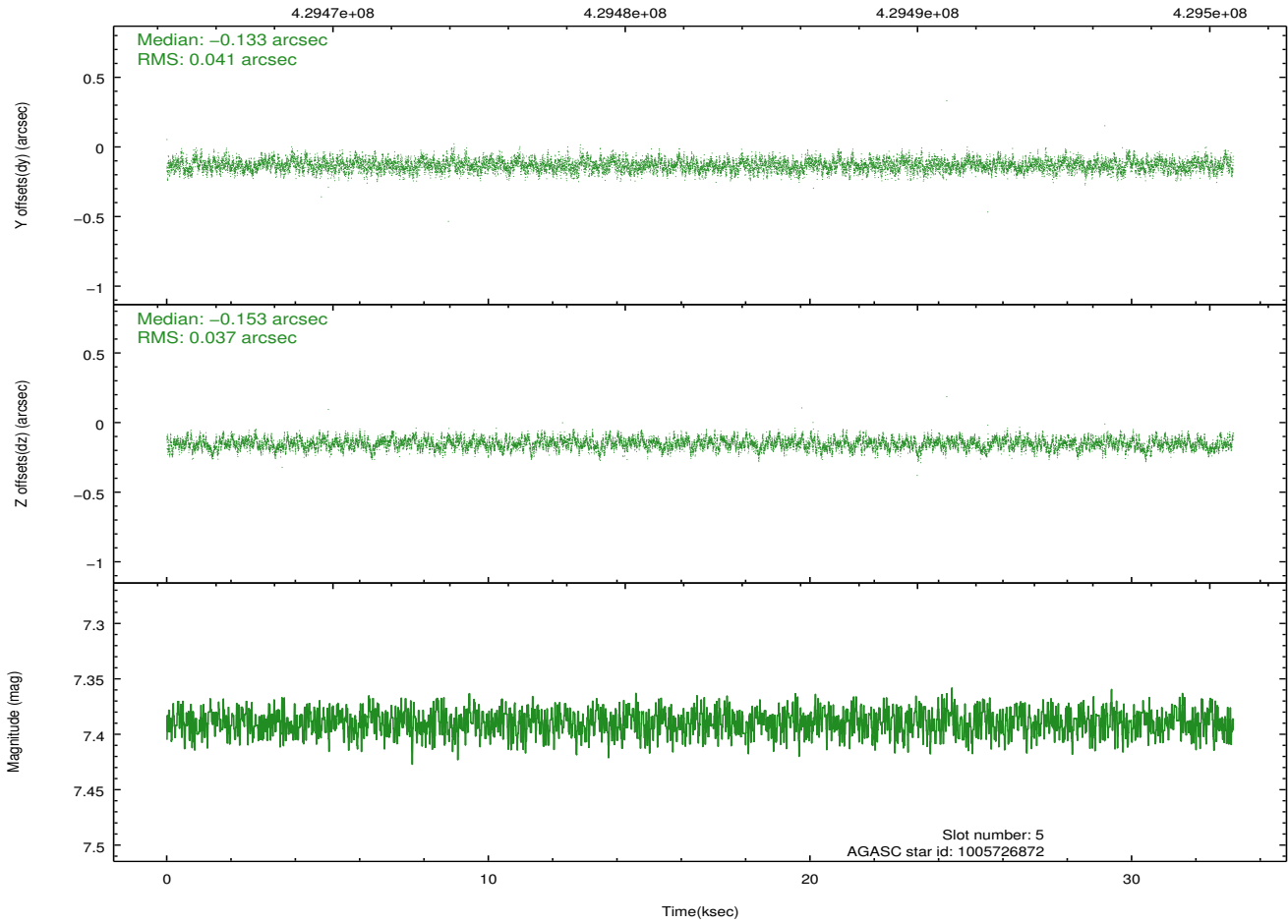
2.4.2 Slot 4



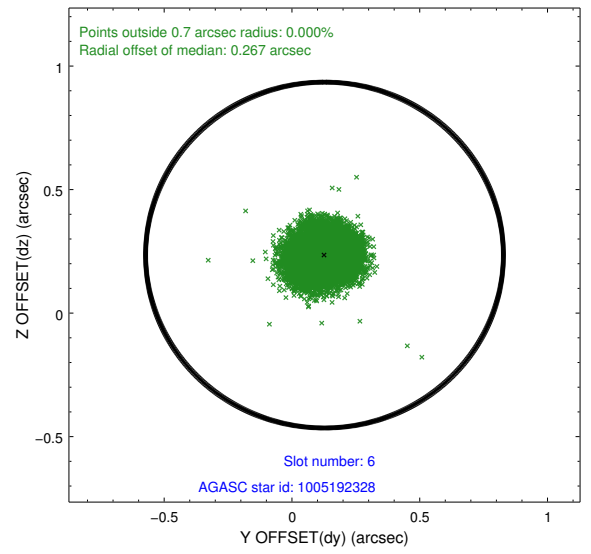
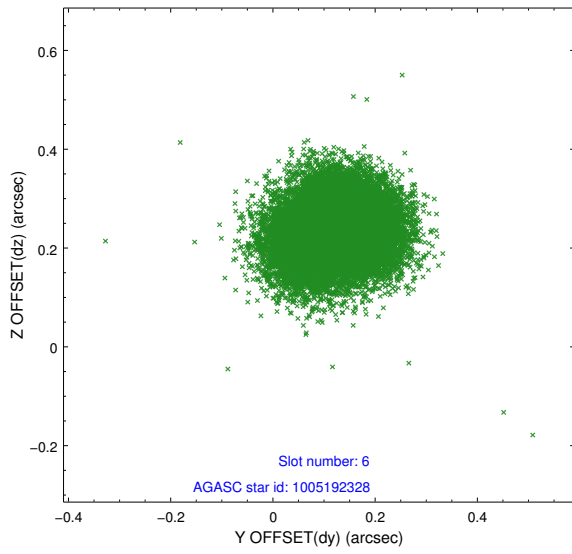
2.4.3 Slot 5



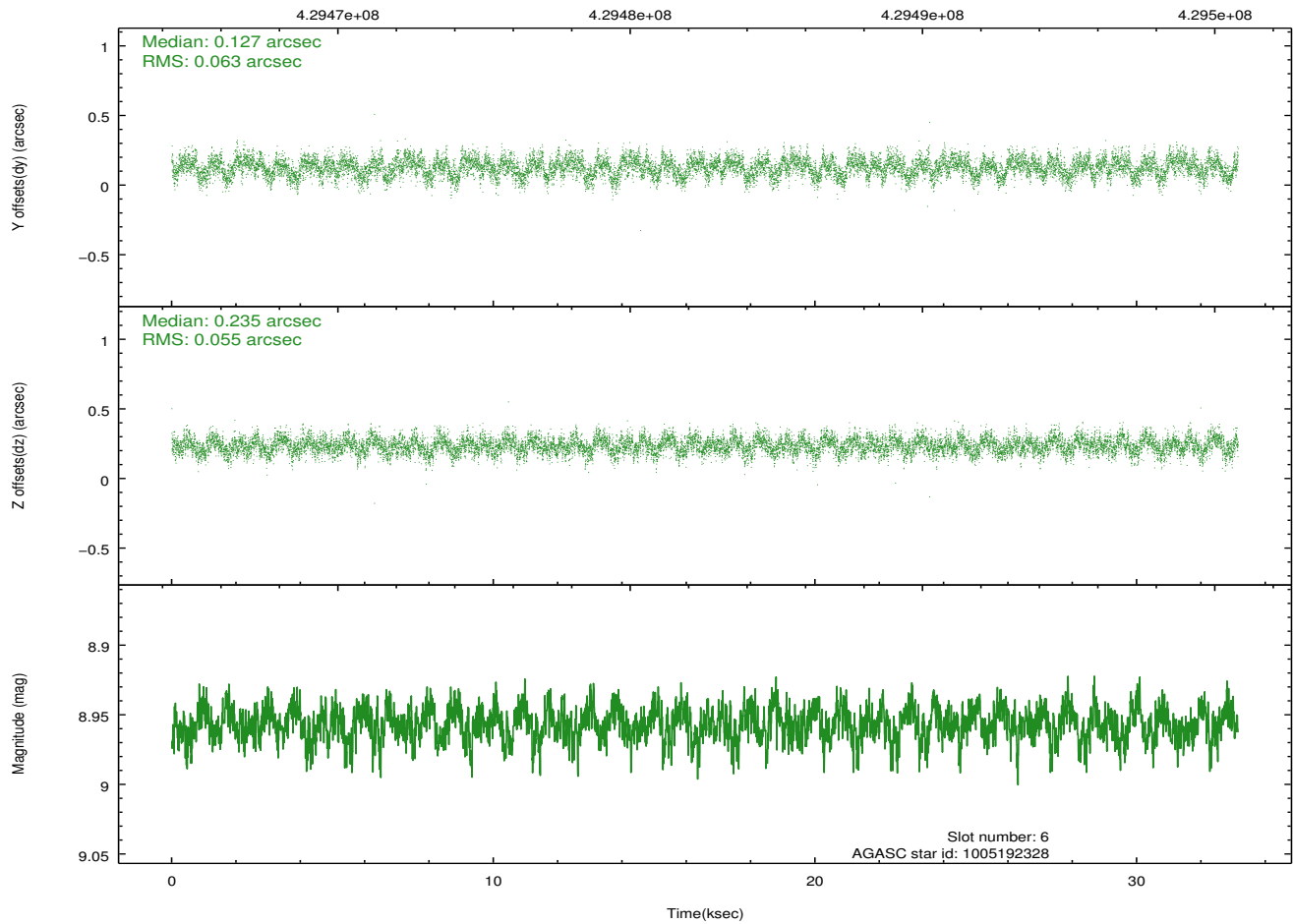
Time (s)



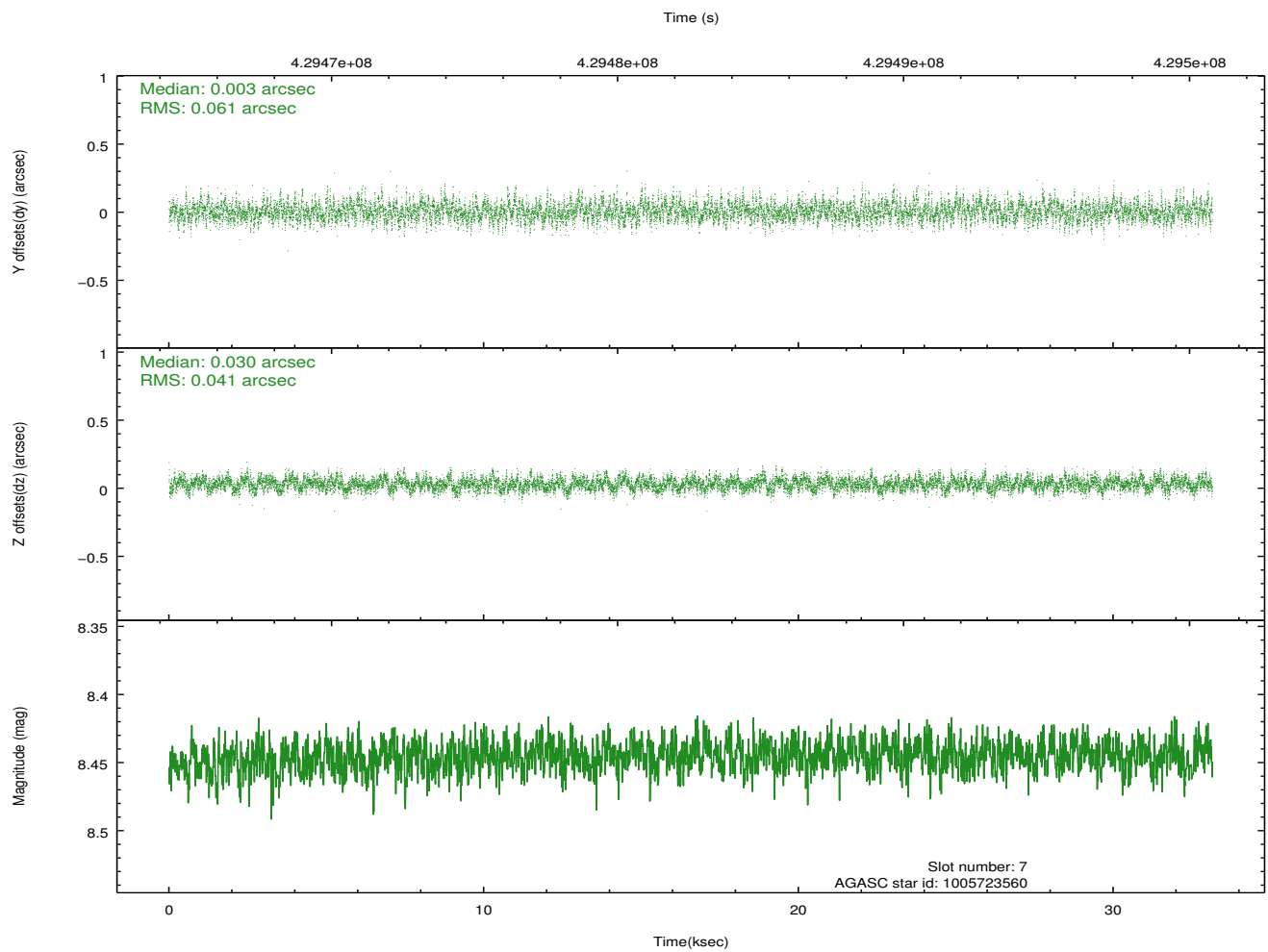
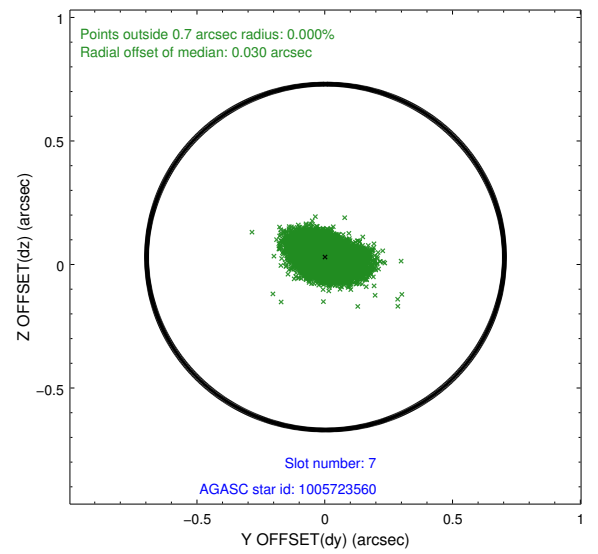
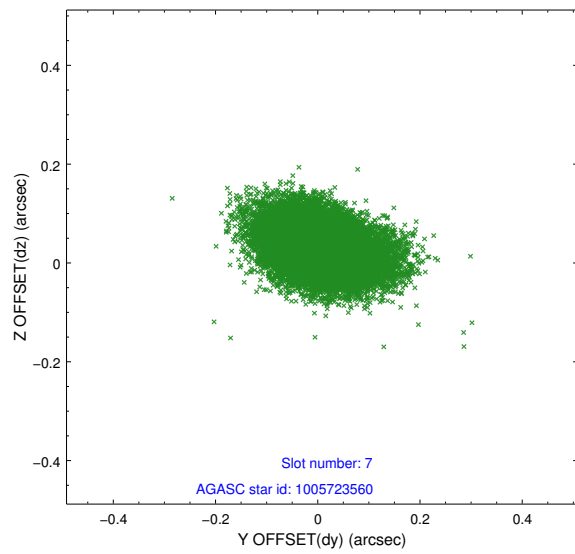
2.4.4 Slot 6



Time (s)

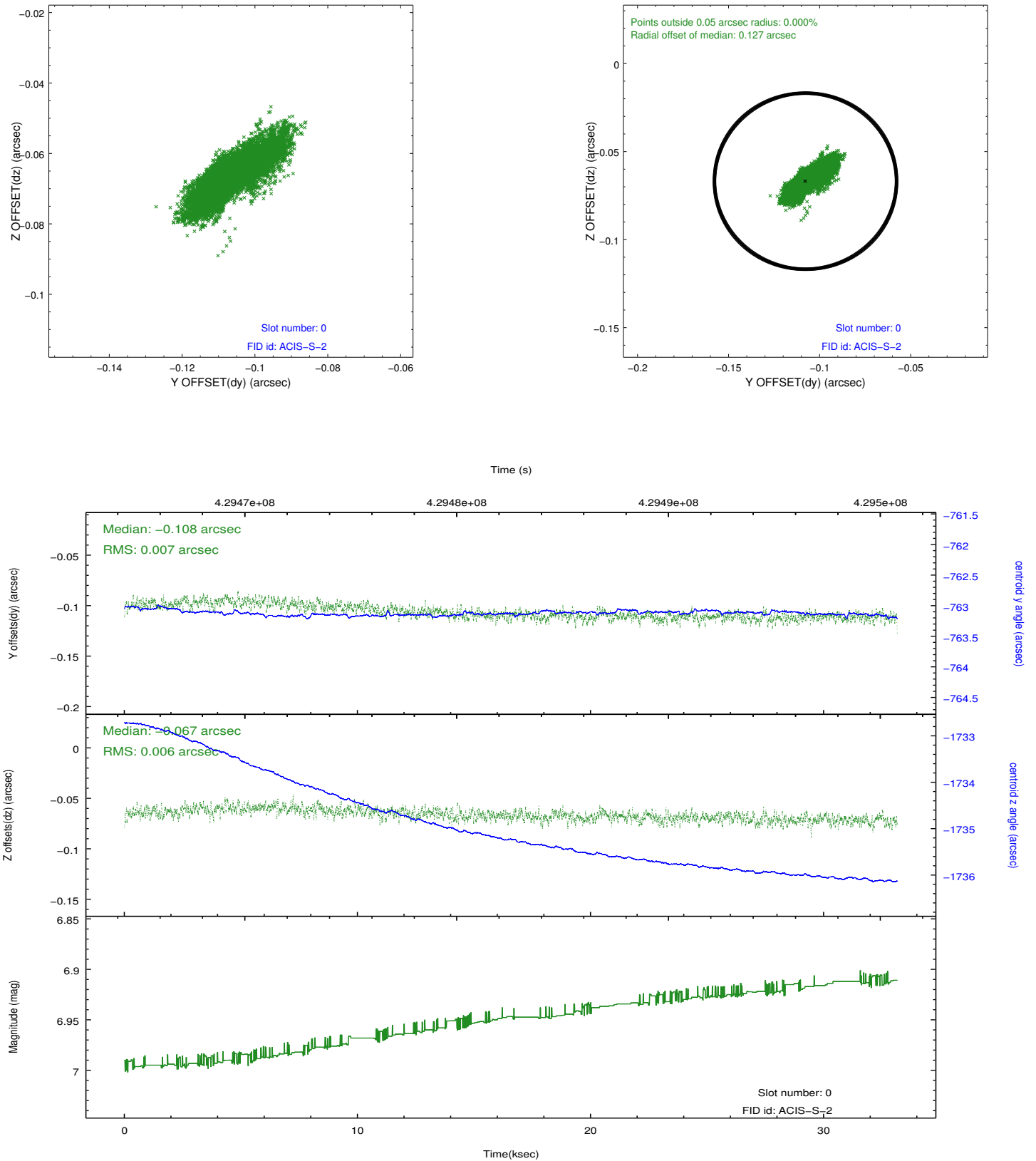


2.4.5 Slot 7

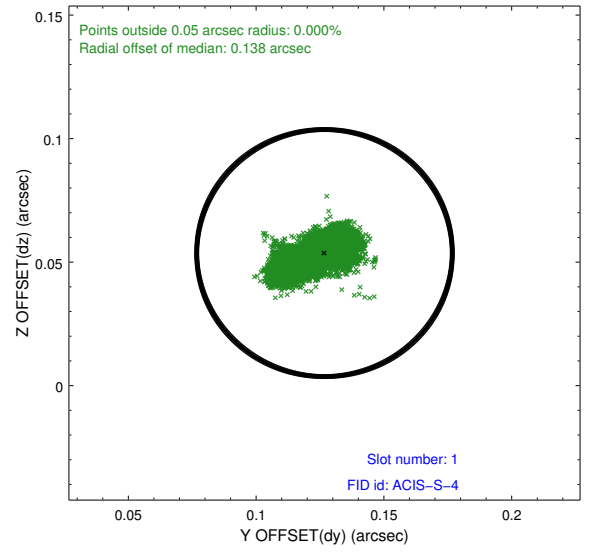
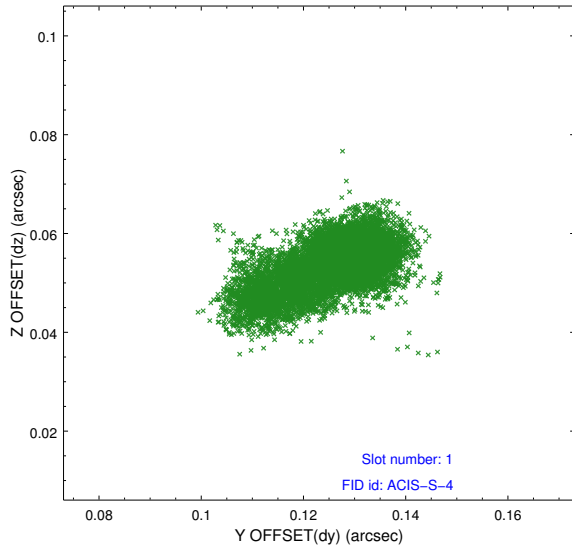


2.5 FID Slots

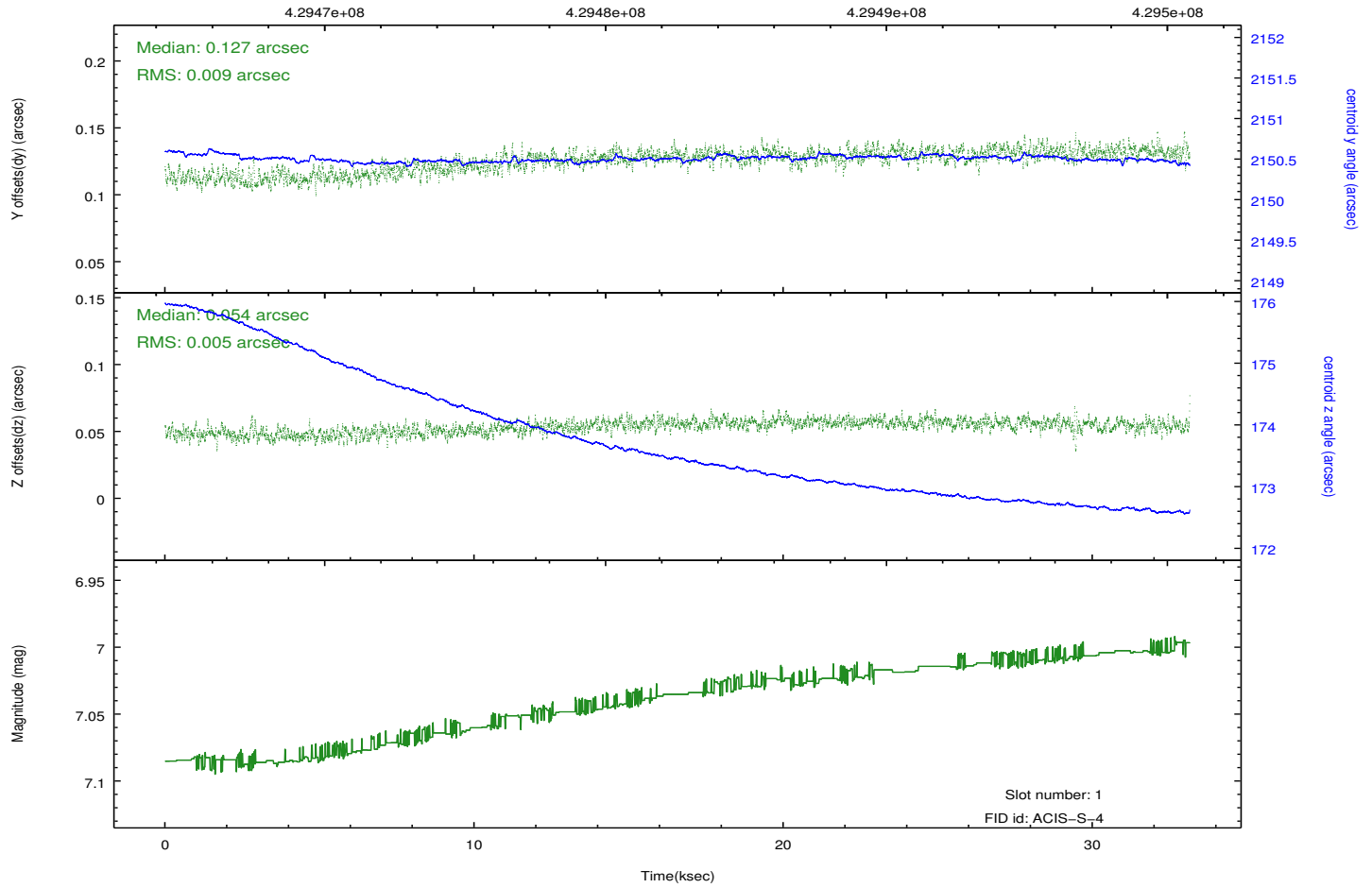
2.5.1 Slot 0



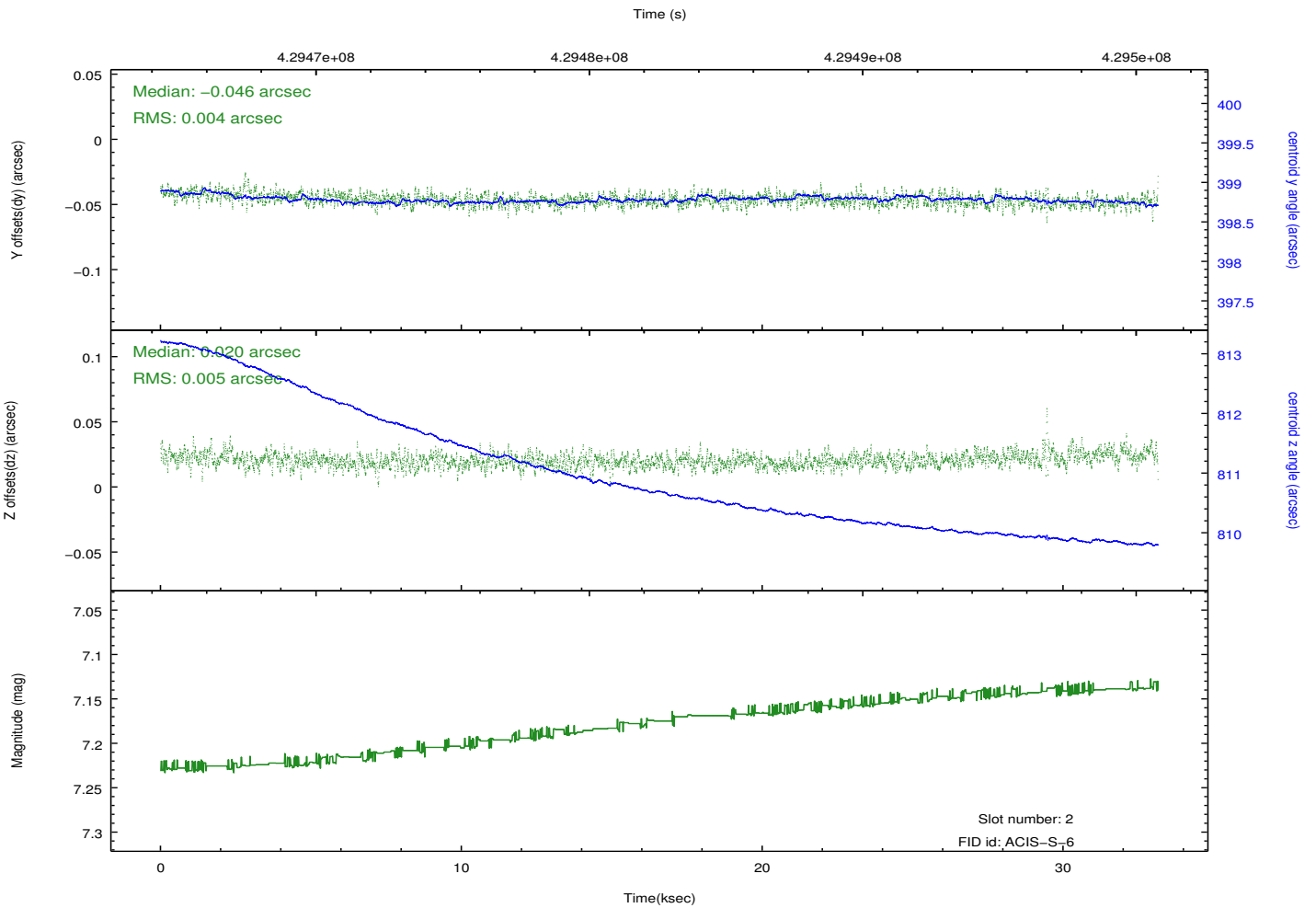
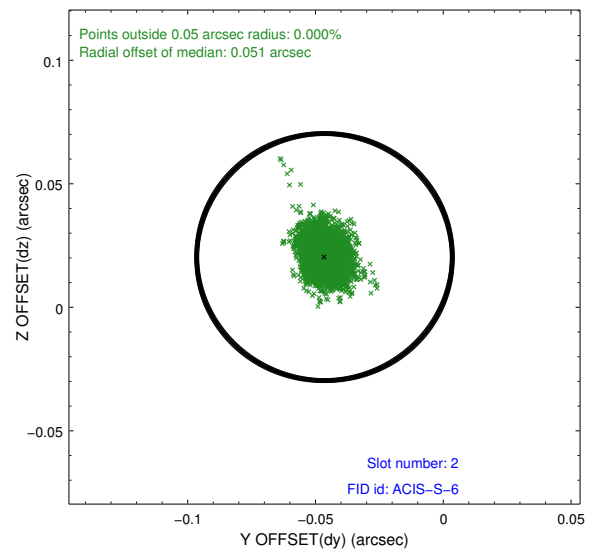
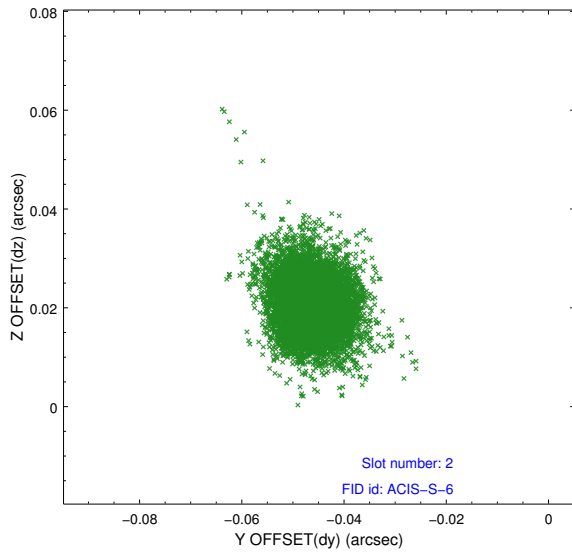
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.14475

A.2 Comments