

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14395 - L2 Version 1
Chandra X-Ray Center

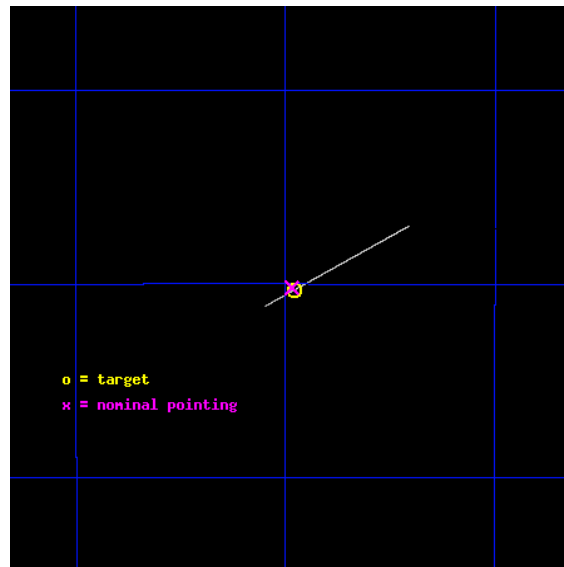
L2 Processing Date : Feb 19 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

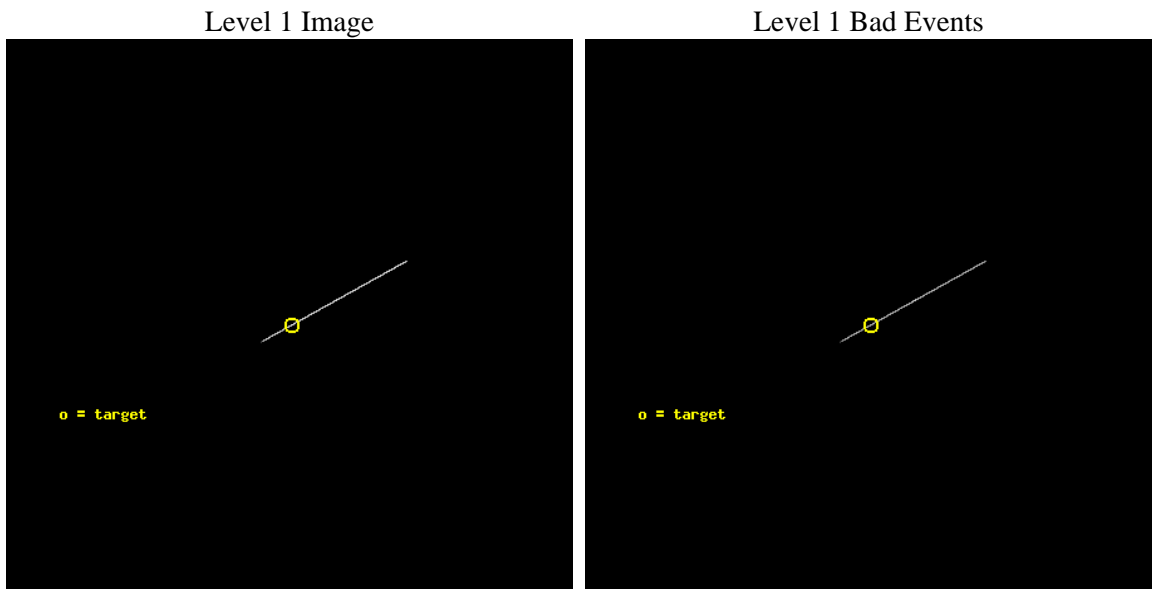
seq_num	501375	Sequence number
obs_id	14395	Observation id
title	Measuring the Spin-Down and Magnetic Field Strength of the CCO Pulsar in Puppis A	Proposal title
observer	Prof. Jules Halpern	Principal investigator
object	PSR J0821-4300	Source name
ra_targ	125.48875	Observer's specified target RA [deg]
dec_targ	-43.004889	Observer's specified target Dec [deg]
ra_nom	125.4924201084	Nominal RA [deg]
dec_nom	-43.003401906097	Nominal Dec [deg]
roll_nom	331.15914897504	Nominal Roll [deg]
revision	1	Processing version of data
ontime	11842.0	Sum of GTIs [s]
liveltime	11795.7421875	Livetime [s]
ontime7	11842.0	Sum of GTIs [s]
l2events	327705	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	11700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	11842.0	Sum of GTIs [s]
caldsver	4.4.8	 	ontime7	11842.0	Sum of GTIs [s]
date	2012-02-19T19:57:55	Date and time of file creation	l1events	445010	Number of level 1 events
revision	1	Processing version of data			

2.1.3 Events

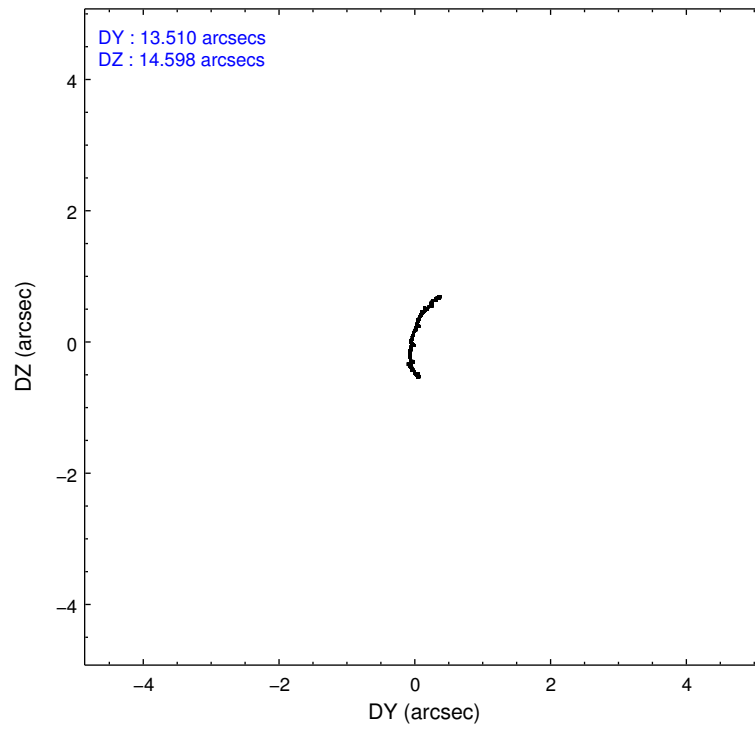
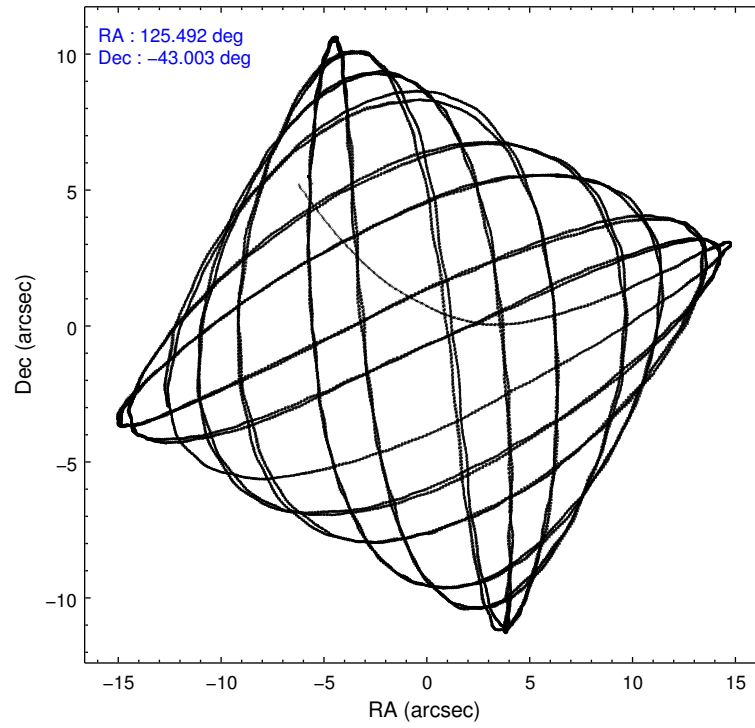
	ccd 7
level 1 events	445010
rejected events	110840
rejected %	24%

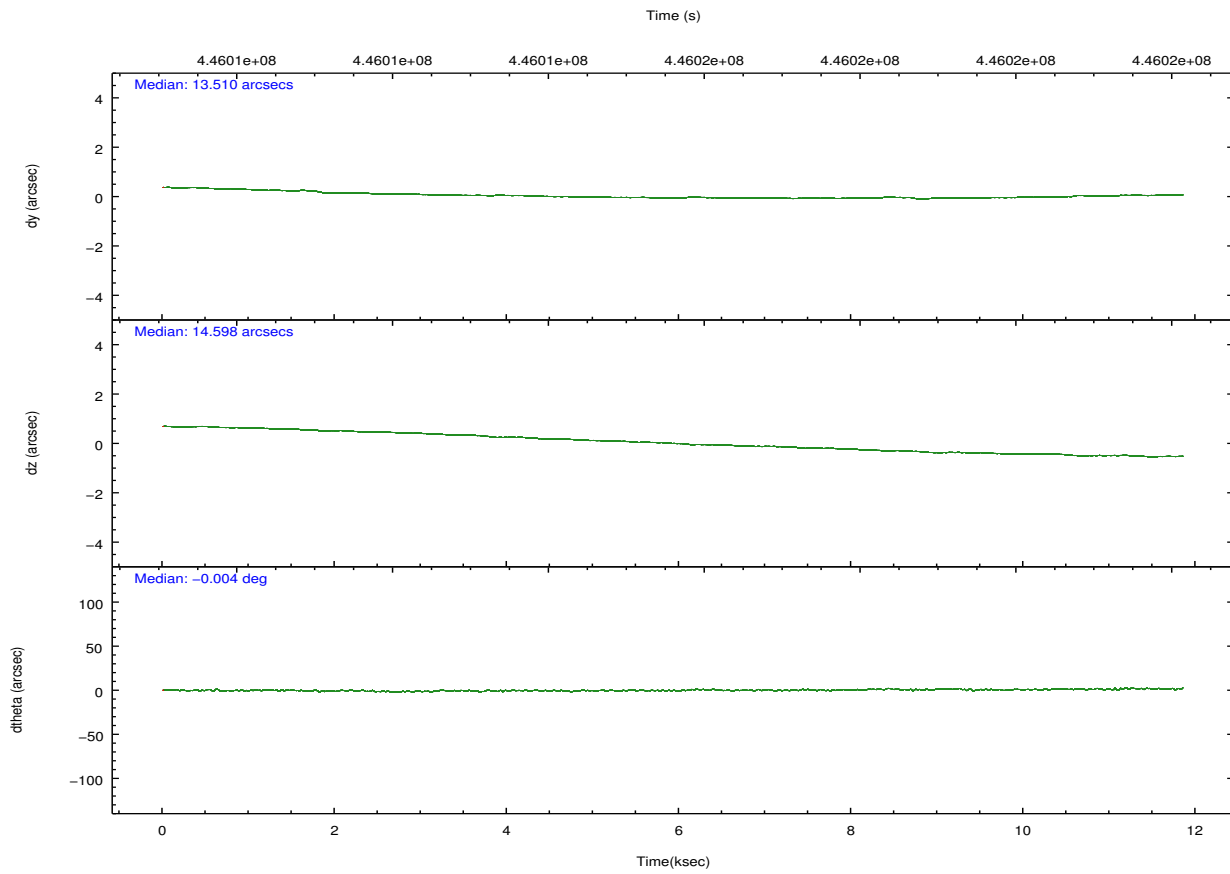
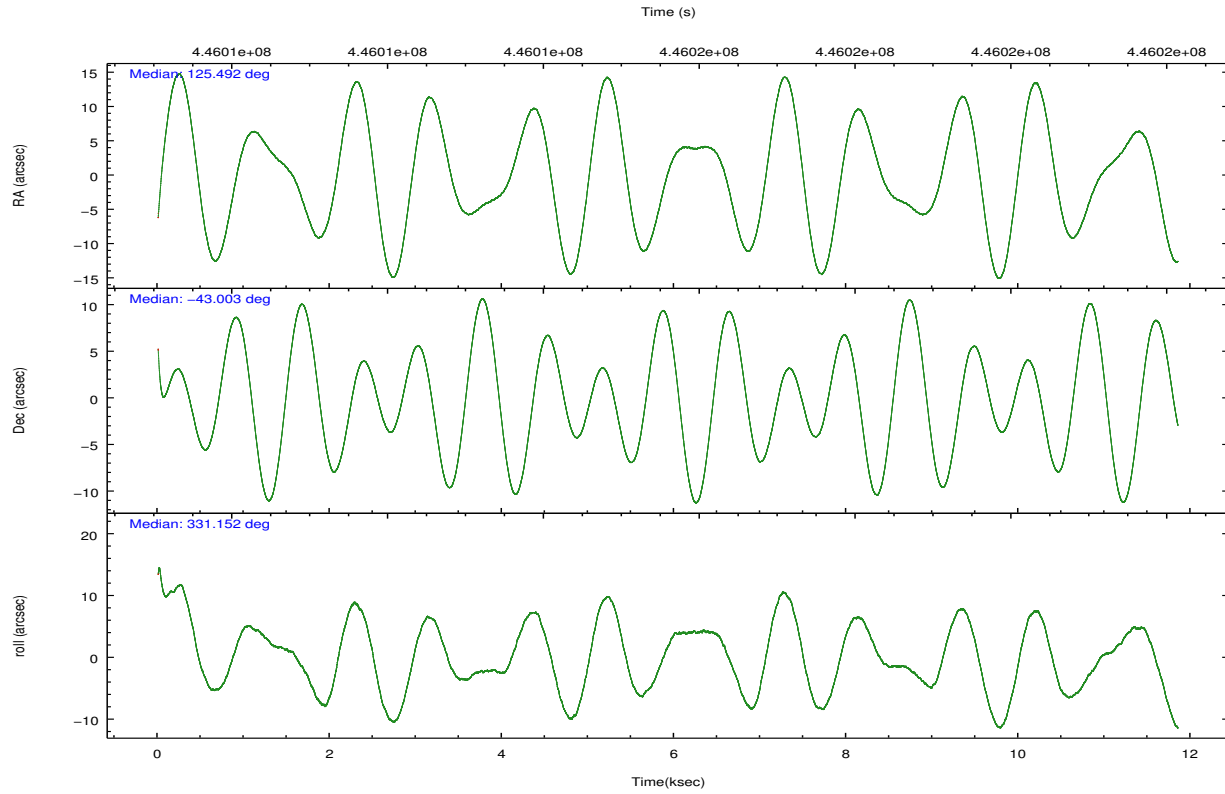
	ccd 7
grade 0 events	80724
	18%
grade 1 events	142
	0%
grade 2 events	114006
	25%
grade 3 events	31127
	6%
grade 4 events	30634
	6%
grade 5 events	9204
	2%
grade 6 events	80460
	18%
grade 7 events	98713
	22%

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	125.455018	125.4924201084018	Subarray requested	NONE	NONE
[deg] Pointing Dec	-43.004351	-43.00340190609693	Alternating exposures requested	N	N
[deg] Pointing Roll	330.976998	331.1591489750375	[s] Primary exposure time	0.000000	0
[s] Window start time (MET)	444441666.184000	444441666.184000			
[s] Window stop time (MET)	446947206.184000	446947206.184000			
[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)	446009825.184000	446008758.72041			
Observation start date	2012-02-19T03:35:59	2012-02-19T03:19:18			
[s] Observation end time (MET)	446021525.184000	446022295.38363			
Observation end date	2012-02-19T06:50:59	2012-02-19T07:04:55			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



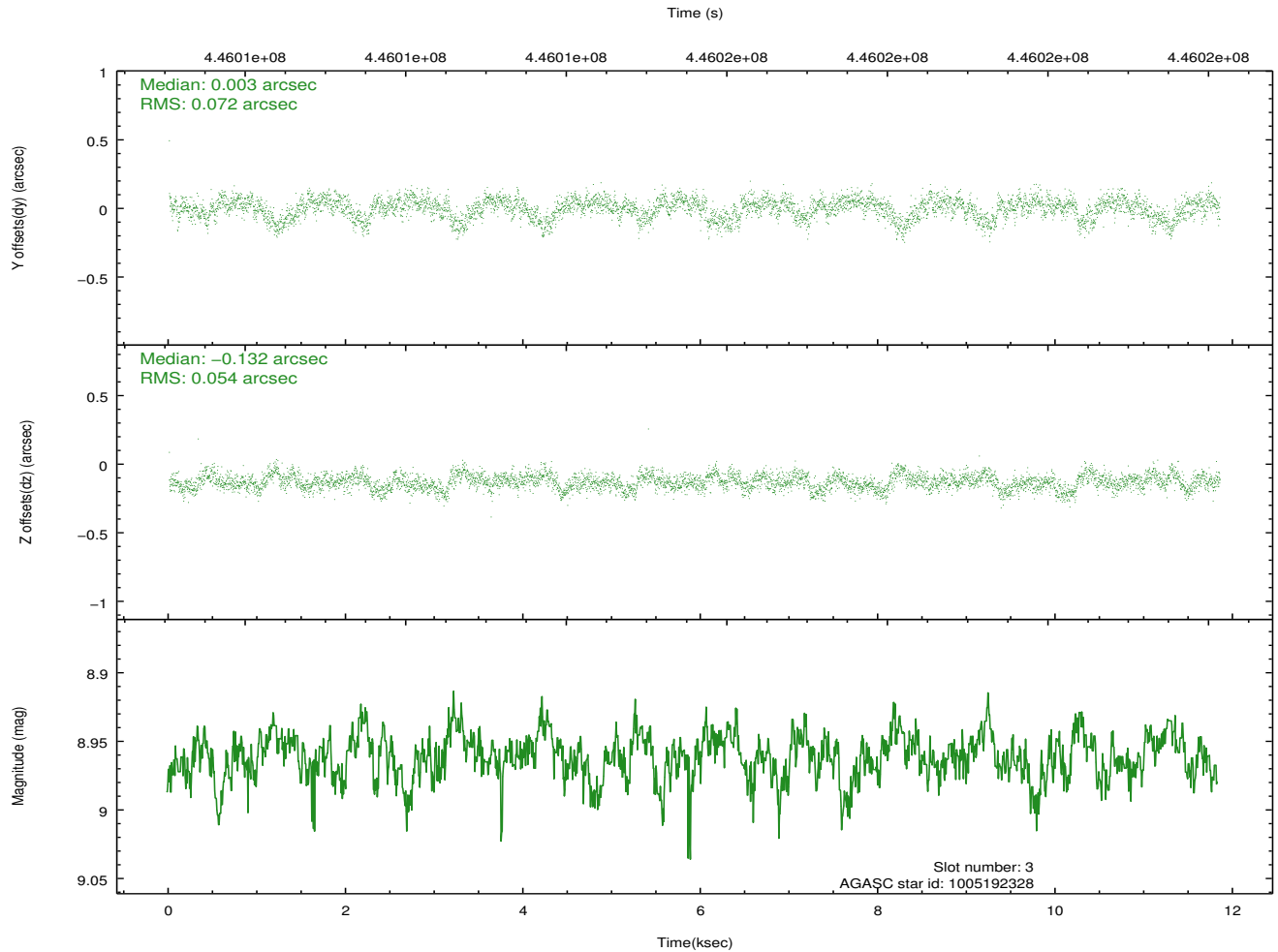
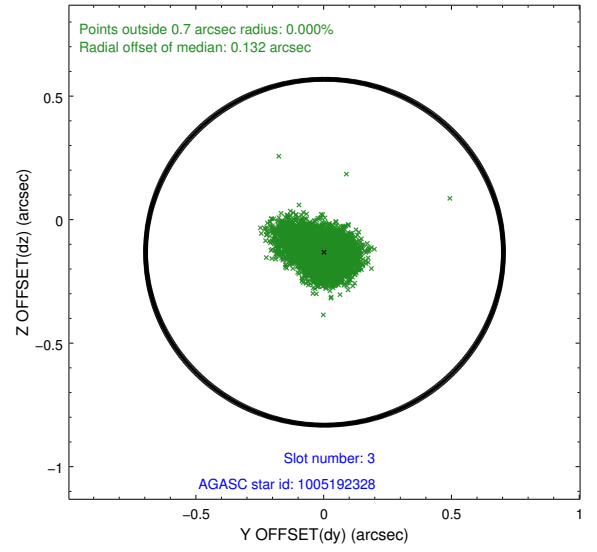
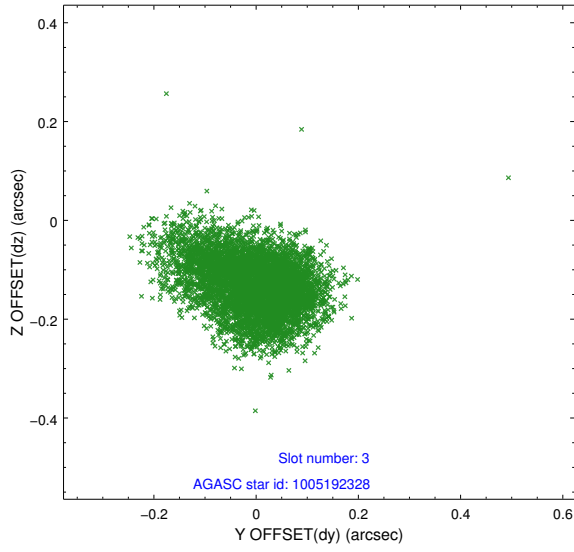


Slot Statistics

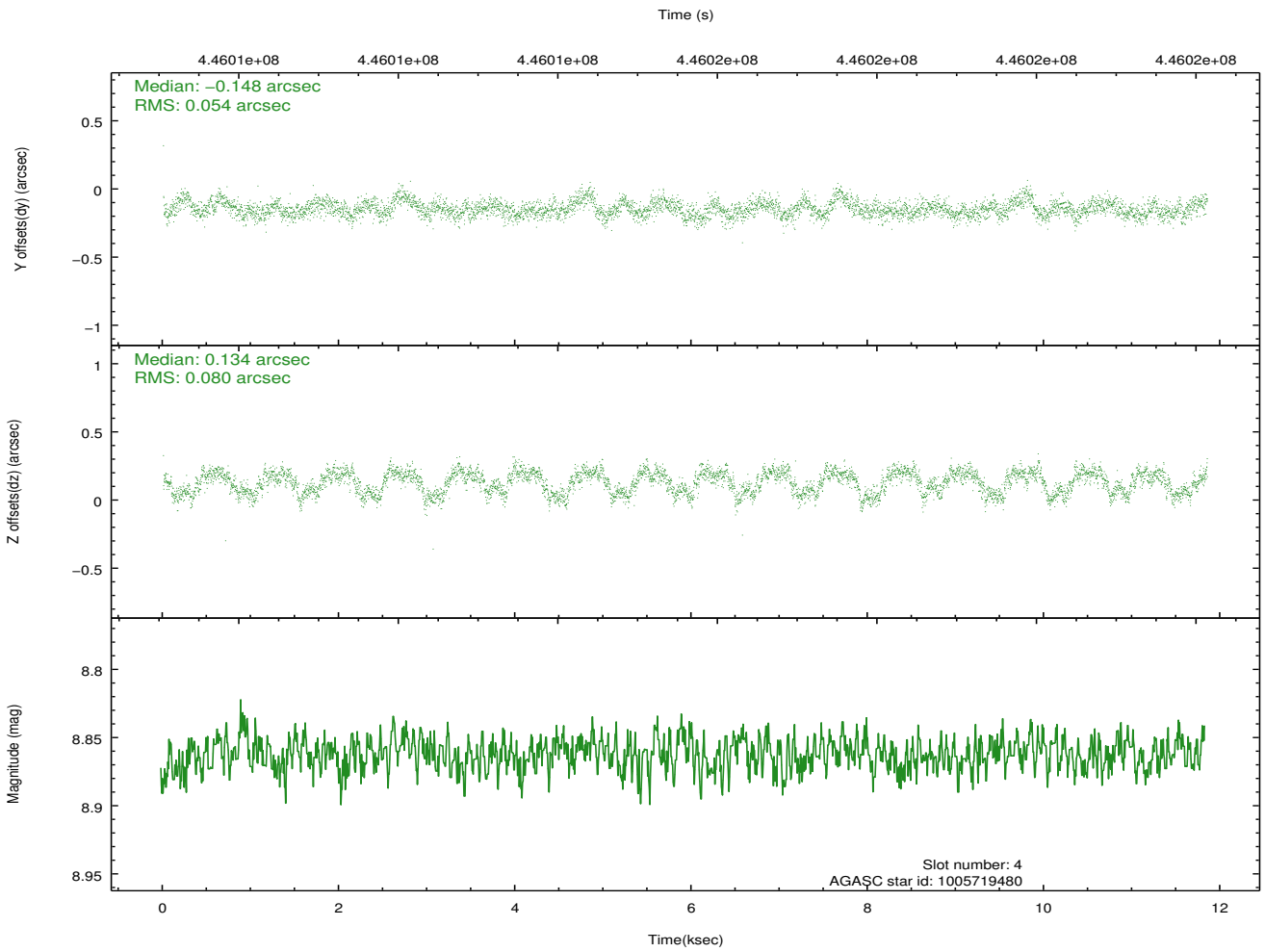
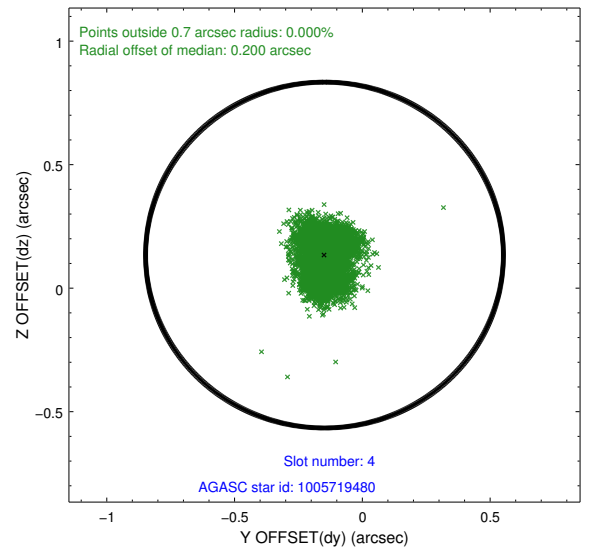
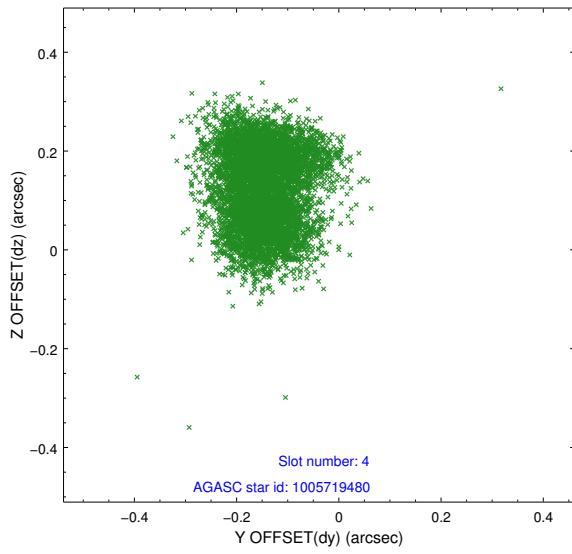
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.86	2889	0.001	-0.017	0.013	0.020	0.000000	0.000000	-766.47	-1736.03
1	FID	ACIS-S-5	6.99	2888	-0.108	-0.003	0.016	0.024	0.000000	0.000000	-1819.90	165.51
2	FID	ACIS-S-6	7.08	2890	0.081	0.029	0.017	0.031	0.000000	0.000000	394.75	809.95
3	GUIDE	1005192328	8.96	5778	0.003	-0.132	0.093	0.158	126.494374	-42.919317	2255.85	1582.44
4	GUIDE	1005719480	8.86	5775	-0.148	0.134	0.105	0.159	125.476619	-43.605627	1100.29	-1864.93
5	GUIDE	1005724040	7.60	5780	0.208	0.109	0.087	0.144	125.738175	-43.227880	1041.14	-344.50
6	GUIDE	1005726872	7.39	5780	-0.060	0.061	0.080	0.133	125.535449	-43.662820	1333.86	-1970.99
7	GUIDE	1005210304	9.85	5746	-0.021	-0.167	0.230	0.372	125.364534	-42.215893	-1587.98	2364.27

2.4 Star Slots

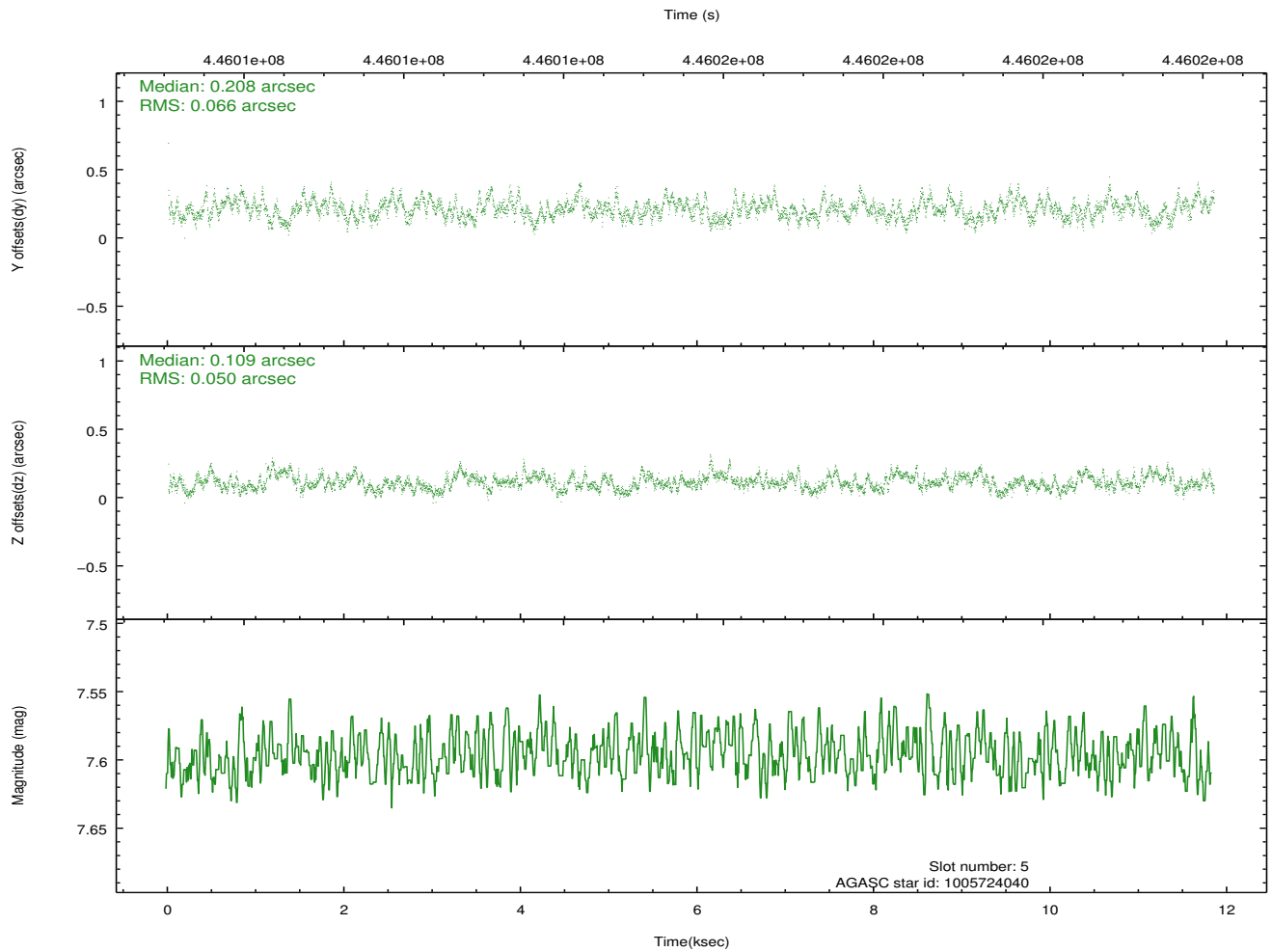
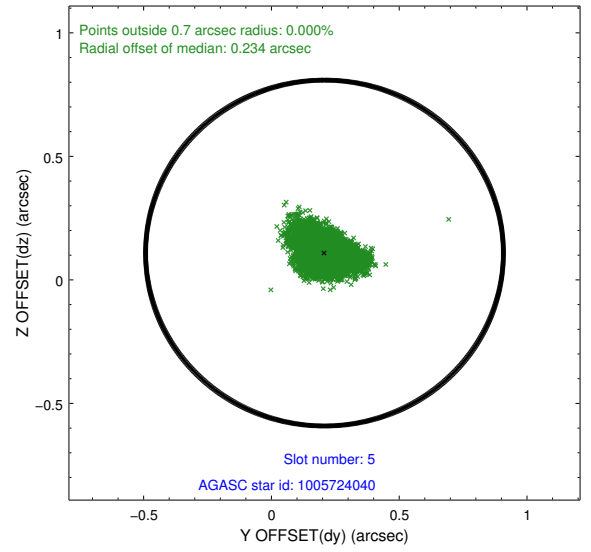
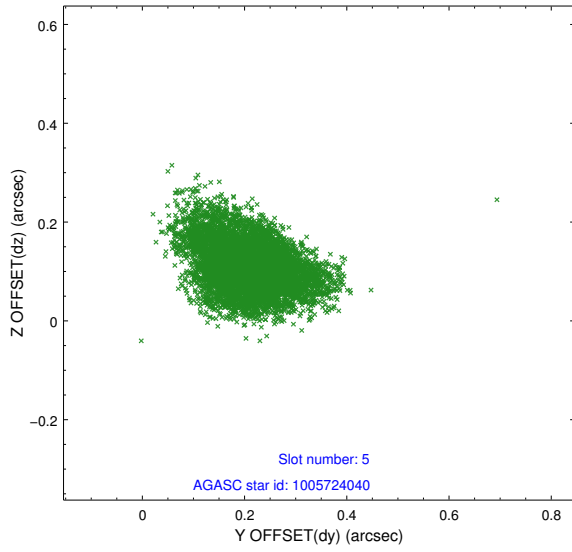
2.4.1 Slot 3



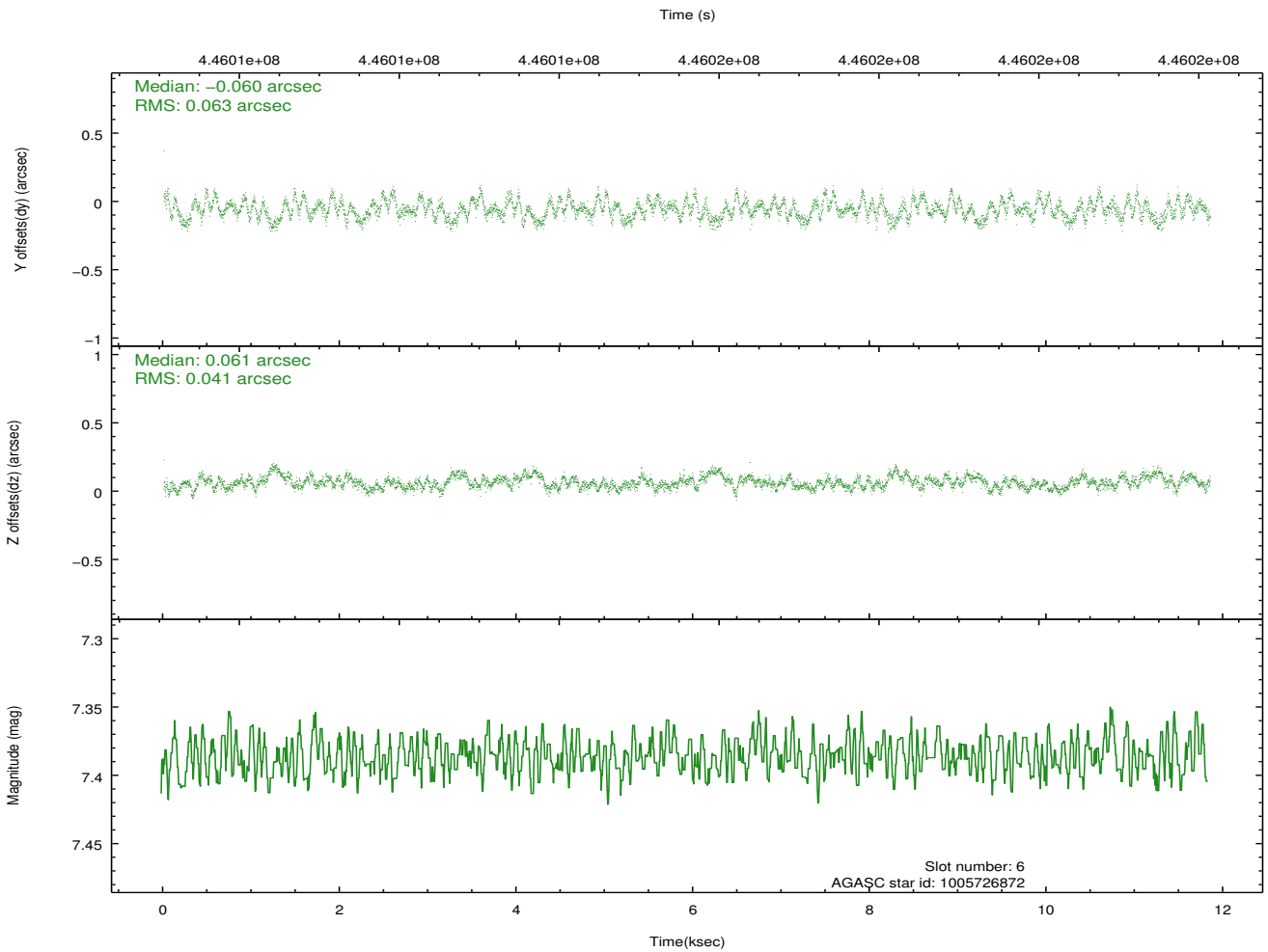
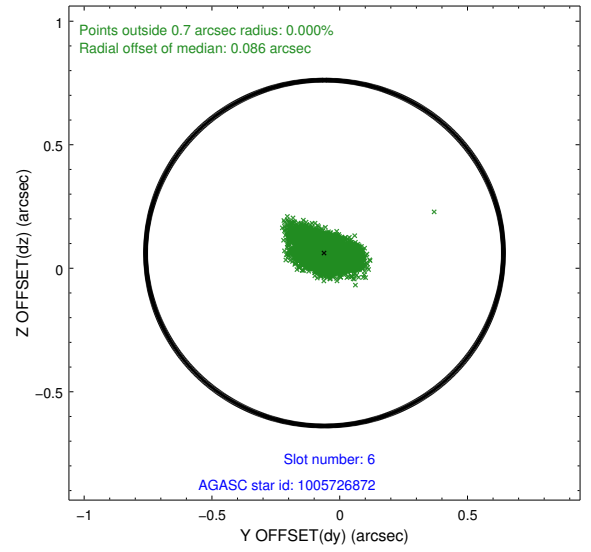
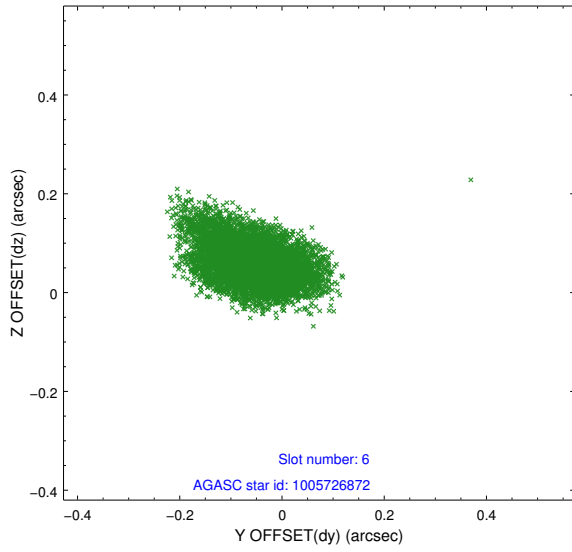
2.4.2 Slot 4



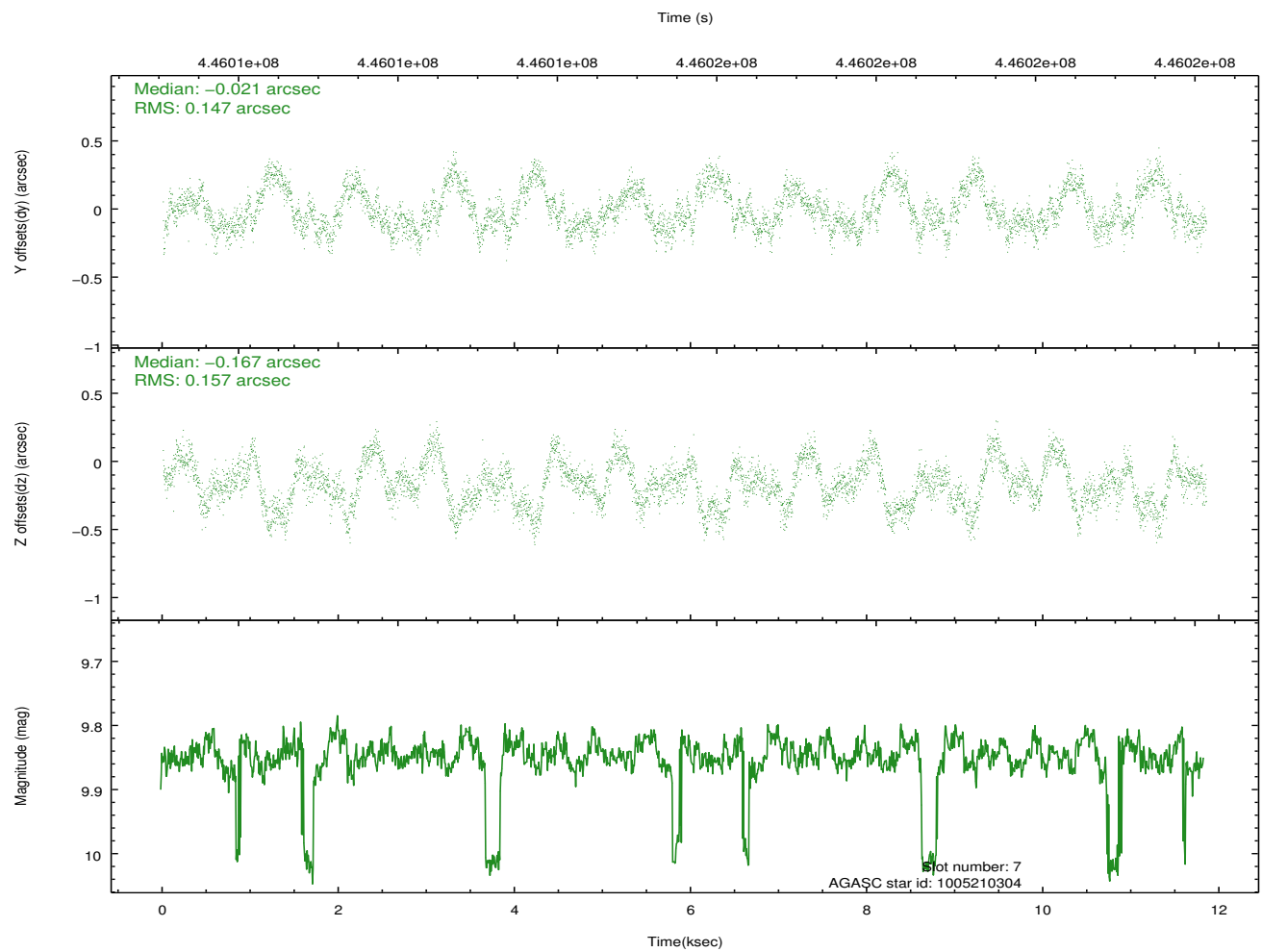
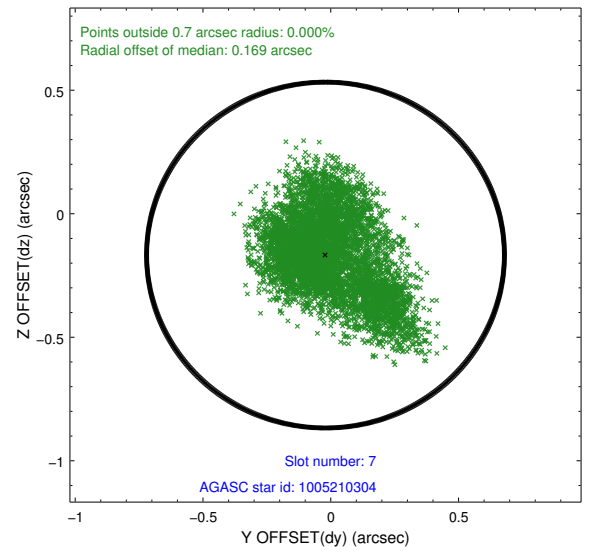
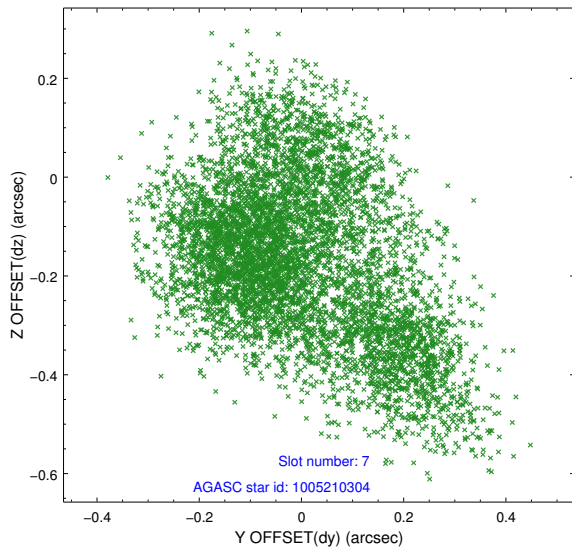
2.4.3 Slot 5



2.4.4 Slot 6

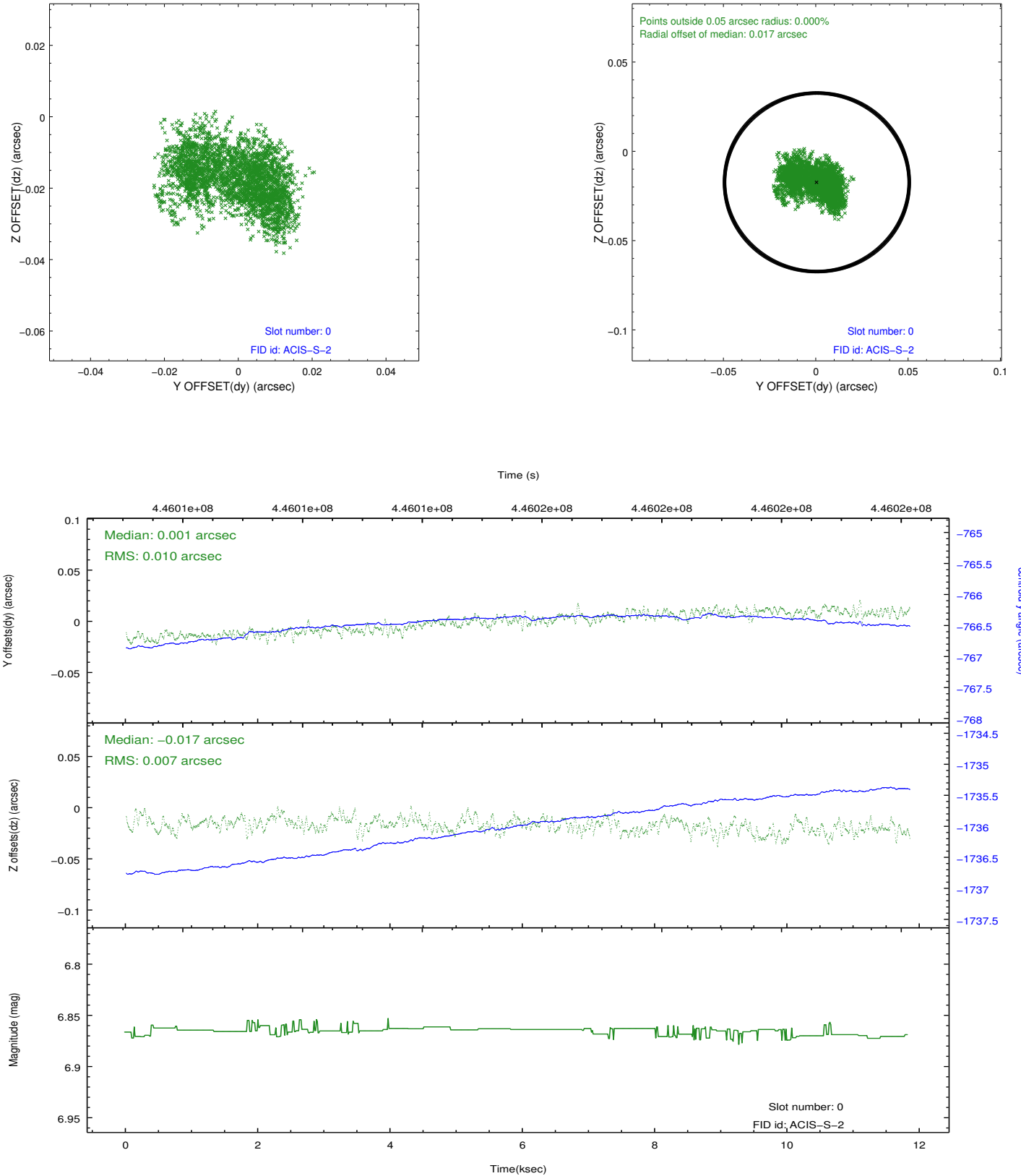


2.4.5 Slot 7

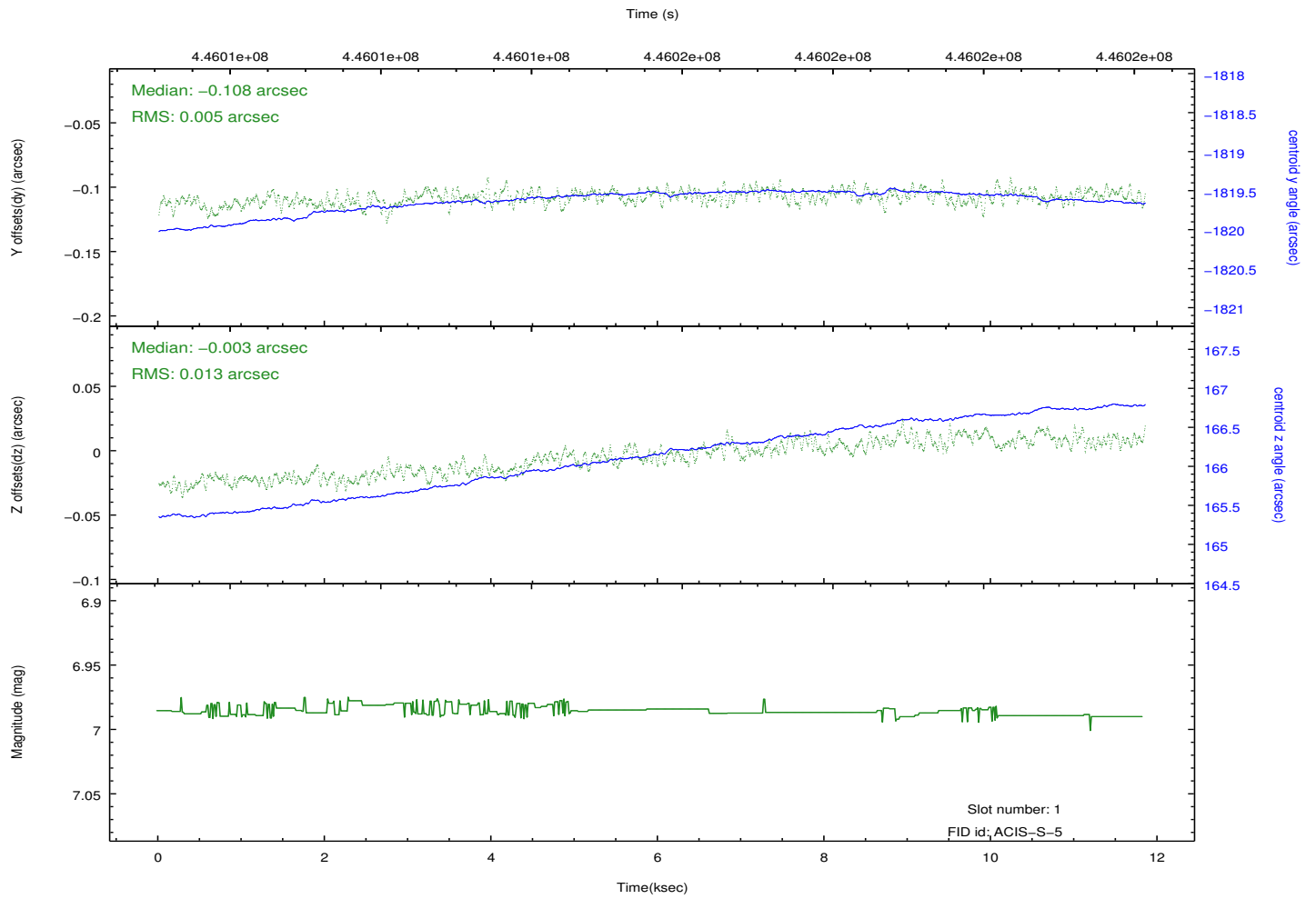
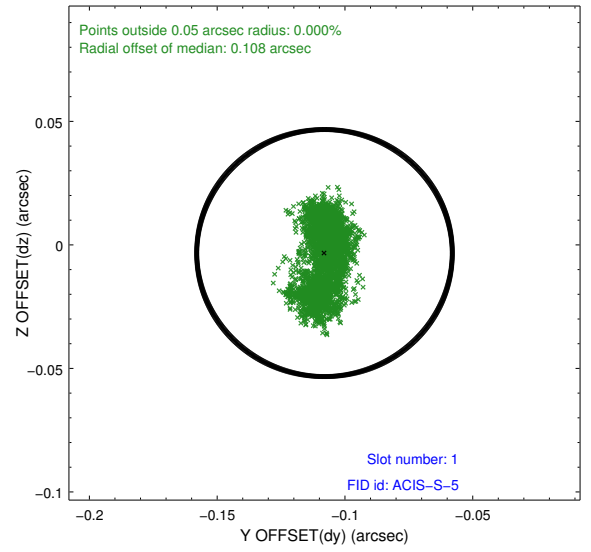
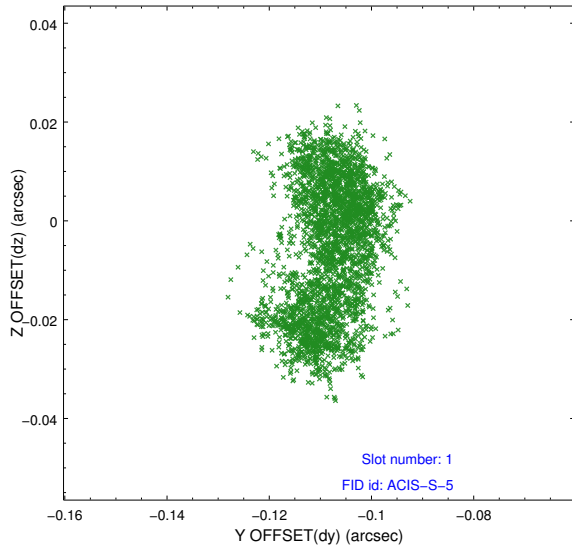


2.5 FID Slots

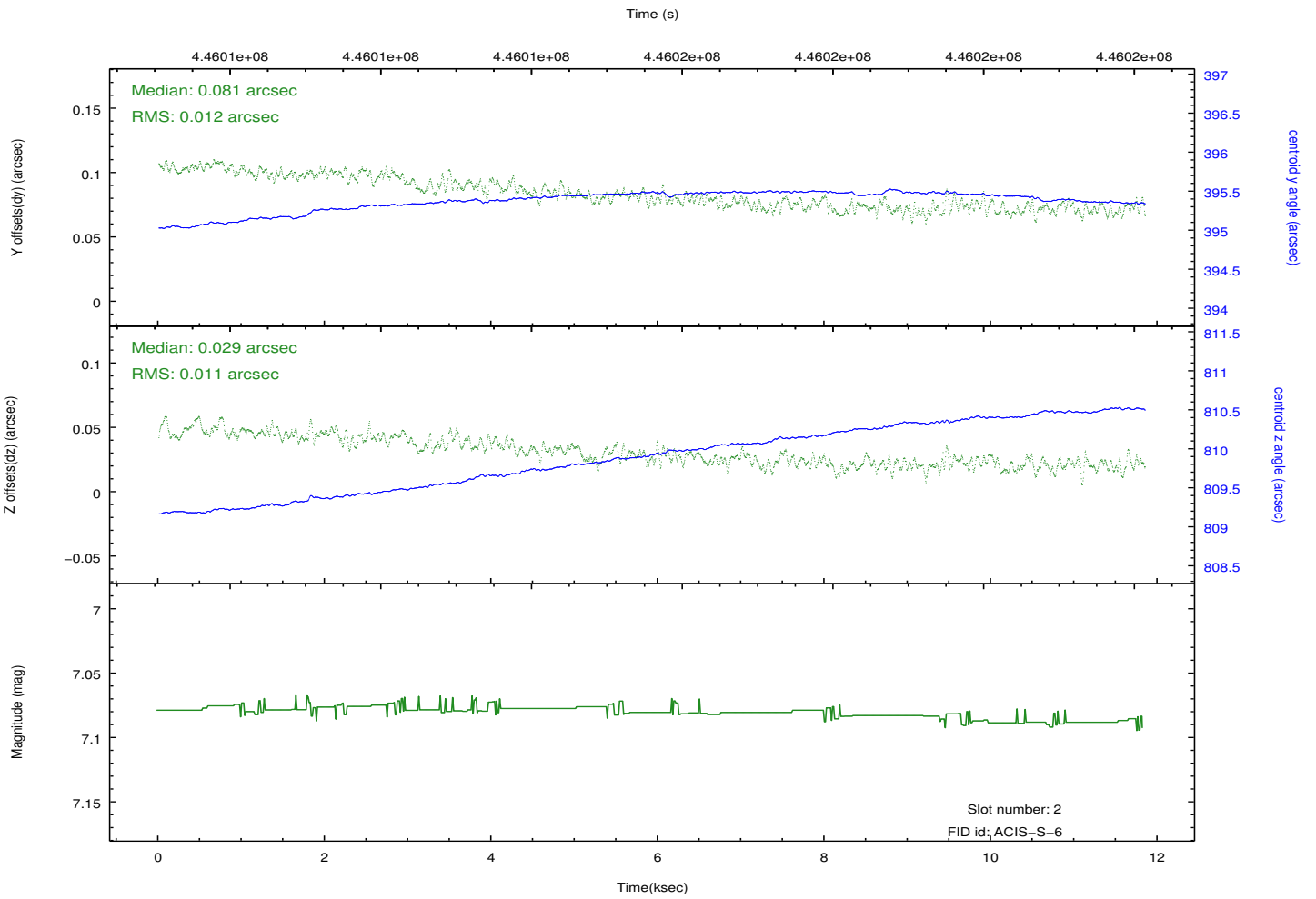
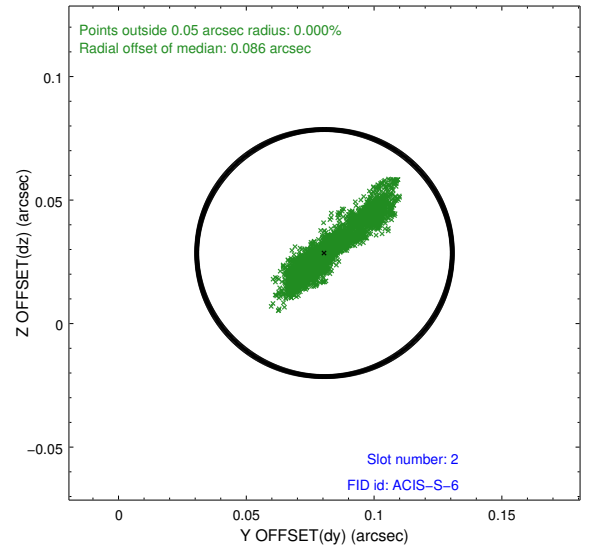
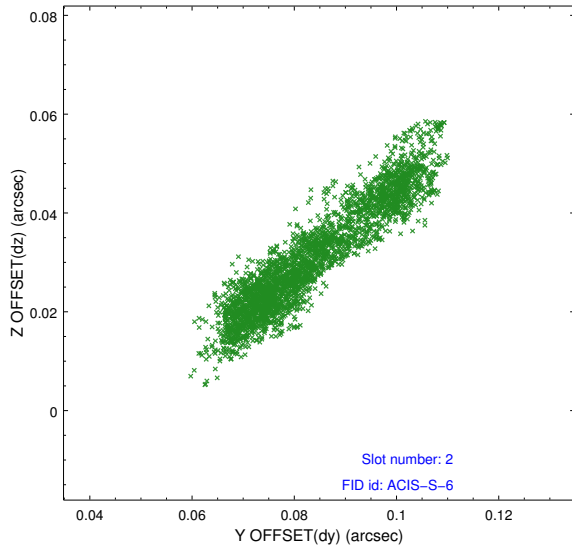
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	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	11.842

A.2 Comments

Joint proposal with XMM.