

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6676 - L2 Version 2
Chandra X-Ray Center

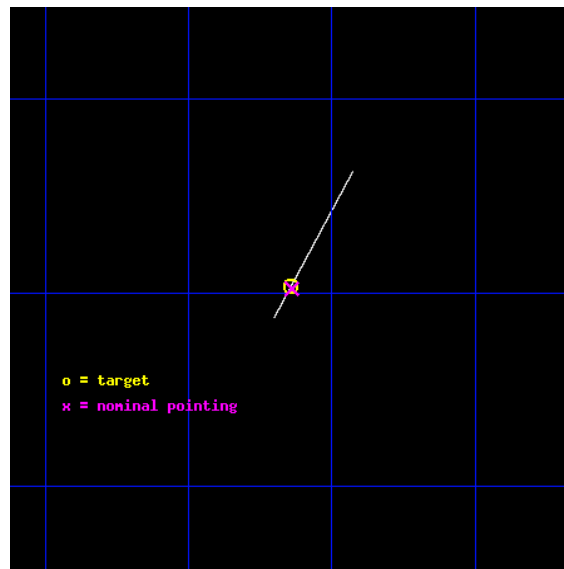
L2 Processing Date : Apr 14 2012

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1 Front

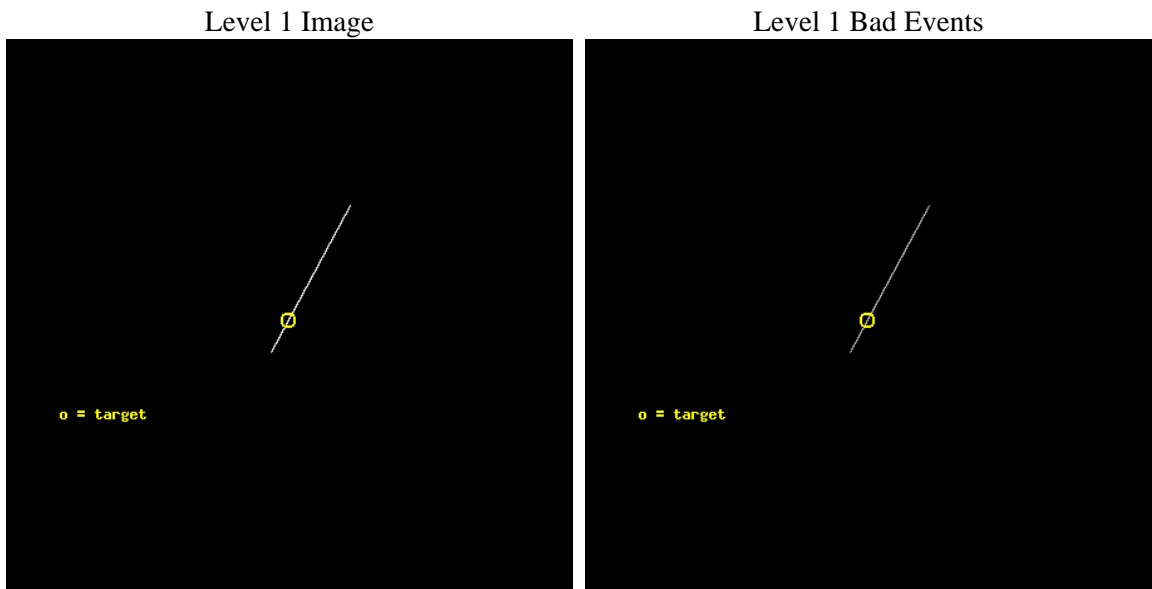
seq_num	500630	Sequence number
obs_id	6676	Observation id
title	An X-ray Pulsar in Kes 79: On The Nature of CCOs in SNRs	Proposal
observer	Dr. Eric Gotthelf	Principal investigator
object	PSR J1852+0040	Source name
ra_targ	283.160833	Observer's specified target RA [deg]
dec_targ	0.672167	Observer's specified target Dec [deg]
ra_nom	283.15995218593	Nominal RA [deg]
dec_nom	0.67027483838901	Nominal Dec [deg]
roll_nom	298.54054039289	Nominal Roll [deg]
revision	2	Processing version of data
ontime	32166.75	Sum of GTIs [s]
livetime	32041.098632812	Livetime [s]
ontime7	32166.75	Sum of GTIs [s]
l2events	194462	Number of level 2 events



2 OBI

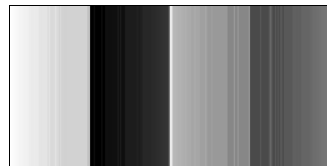
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	32166.75	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	32166.75	Sum of GTIs [s]
date	2012-04-14T05:11:18	Date and time of file creation	l1events	241237	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

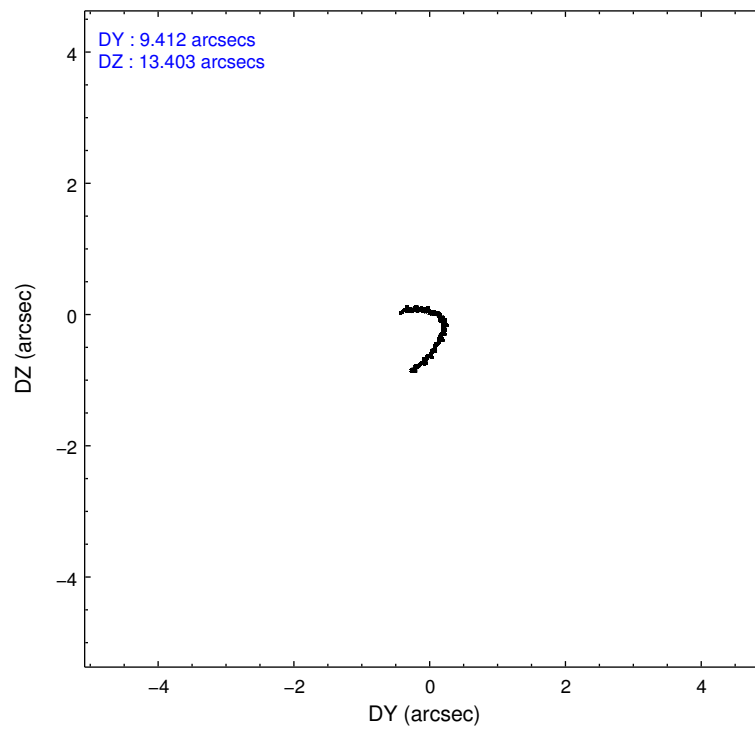
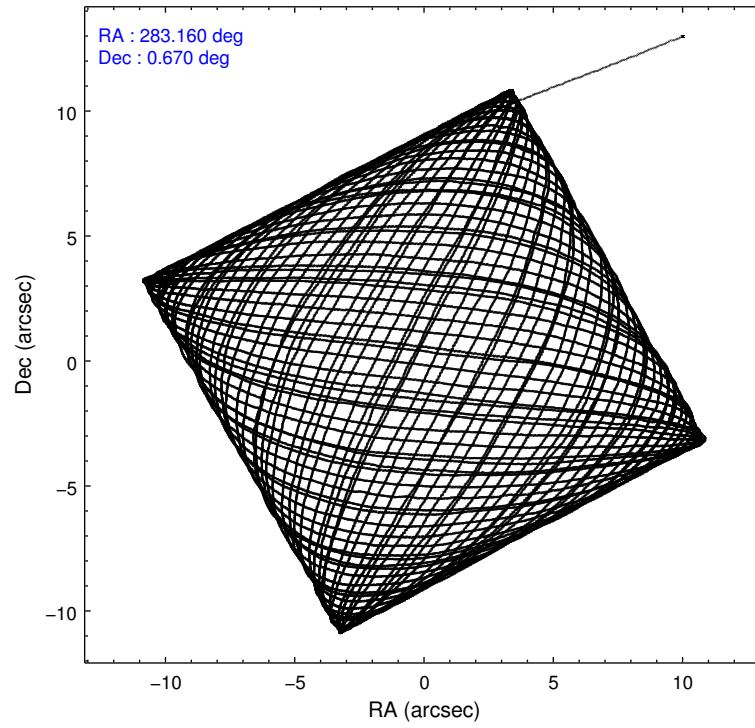
	ccd 7
level 1 events	241237
rejected events	39199
rejected %	16%

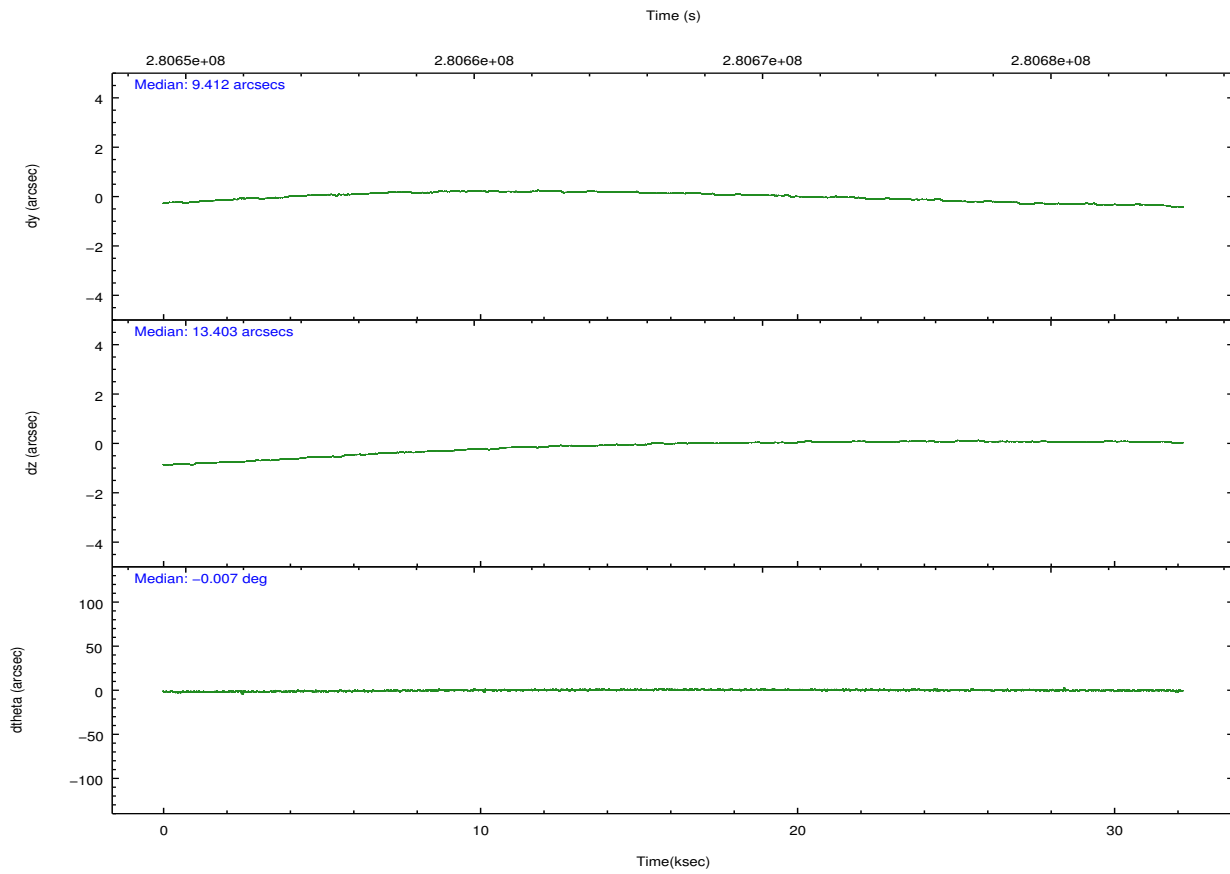
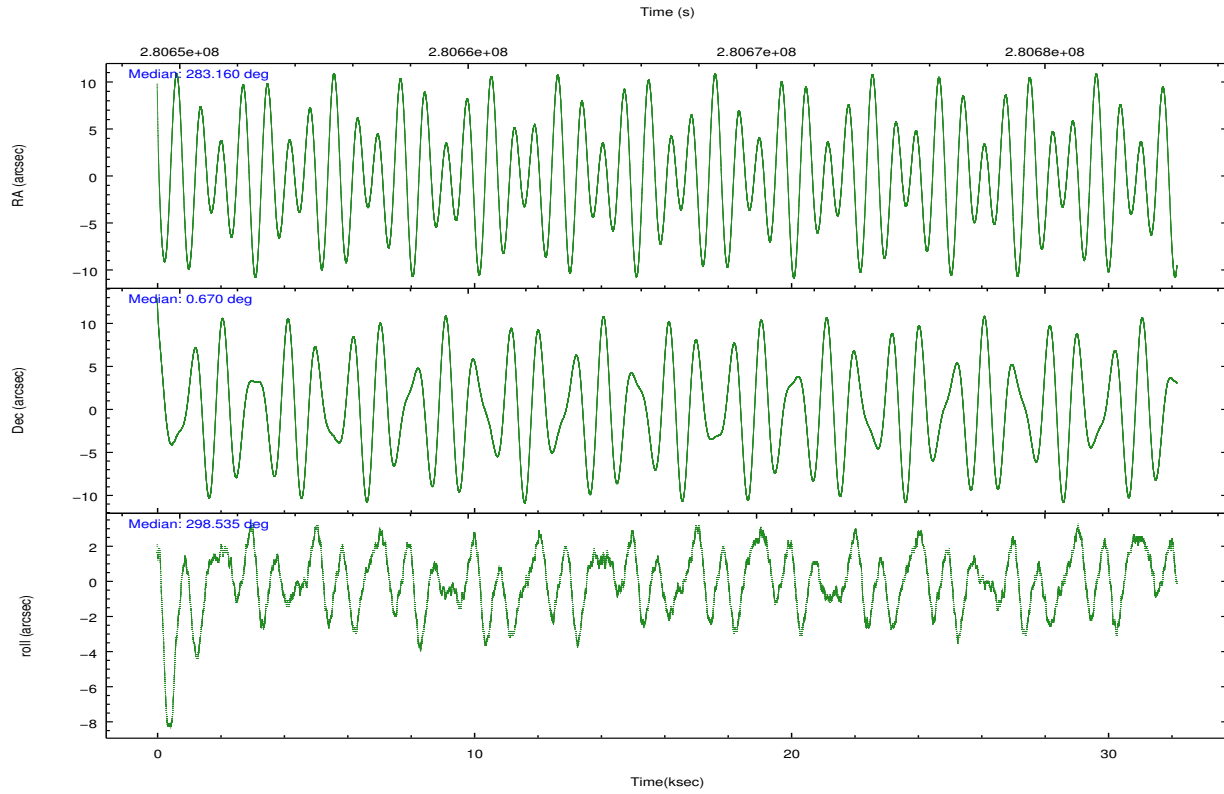
	ccd 7
grade 0 events	21628
	8%
grade 1 events	508
	0%
grade 2 events	55564
	23%
grade 3 events	14022
	5%
grade 4 events	13708
	5%
grade 5 events	32941
	13%
grade 6 events	102866
	42%
grade 7 events	0
	0%

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_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	283.136534	283.1599521859303	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.684171	0.6702748383890121	Alternating exposures requested	N	N
[deg] Pointing Roll	298.384185	298.5405403928896	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-180.462523	-180.4674950847706			
[mm] SIM translation stage offset	-9.67	-9.665027498237237			
[s] Observation start time (MET)	280650973.184000	280649705.29677			
Observation start date	2006-11-23T06:35:08	2006-11-23T06:15:05			
[s] Observation end time (MET)	280682973.184000	280683998.72339			
Observation end date	2006-11-23T15:28:28	2006-11-23T15:46:38			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



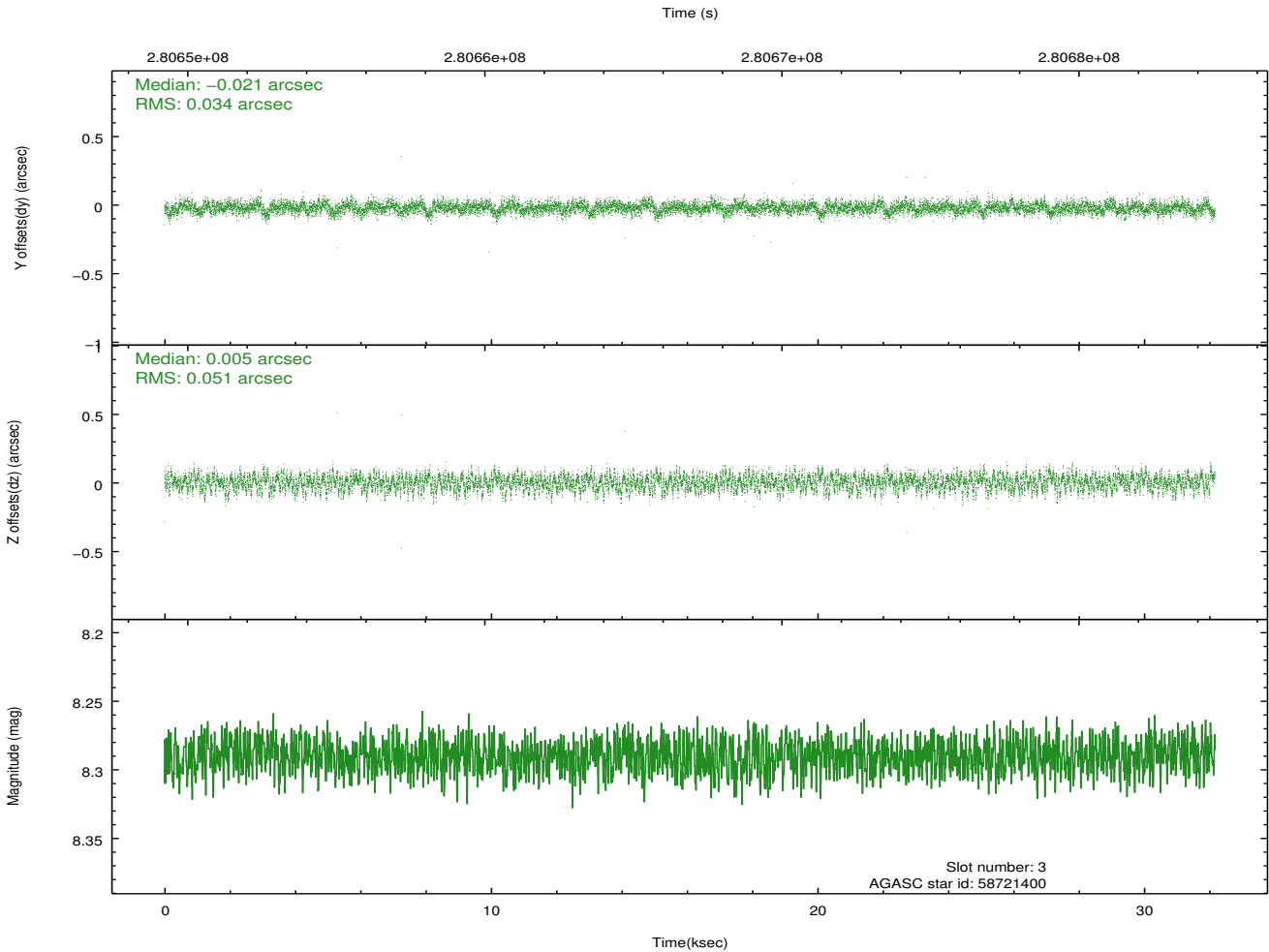
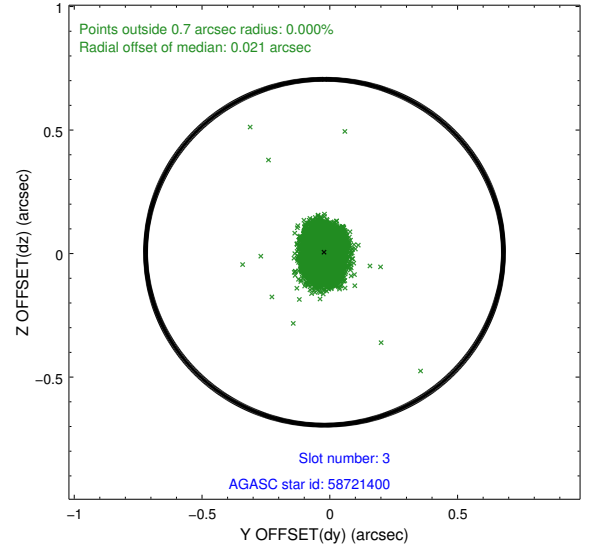
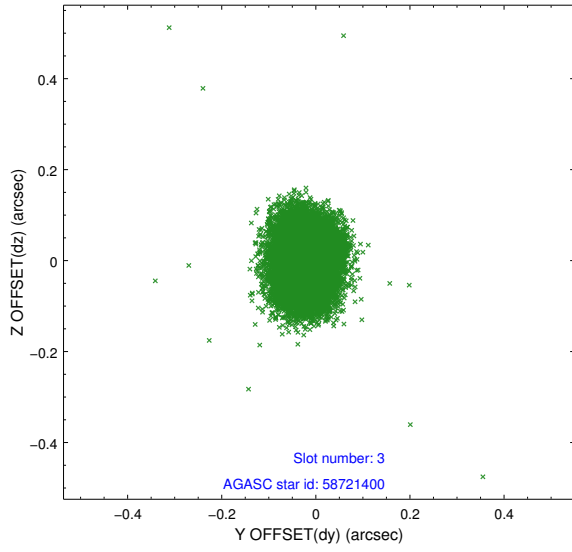


Slot Statistics

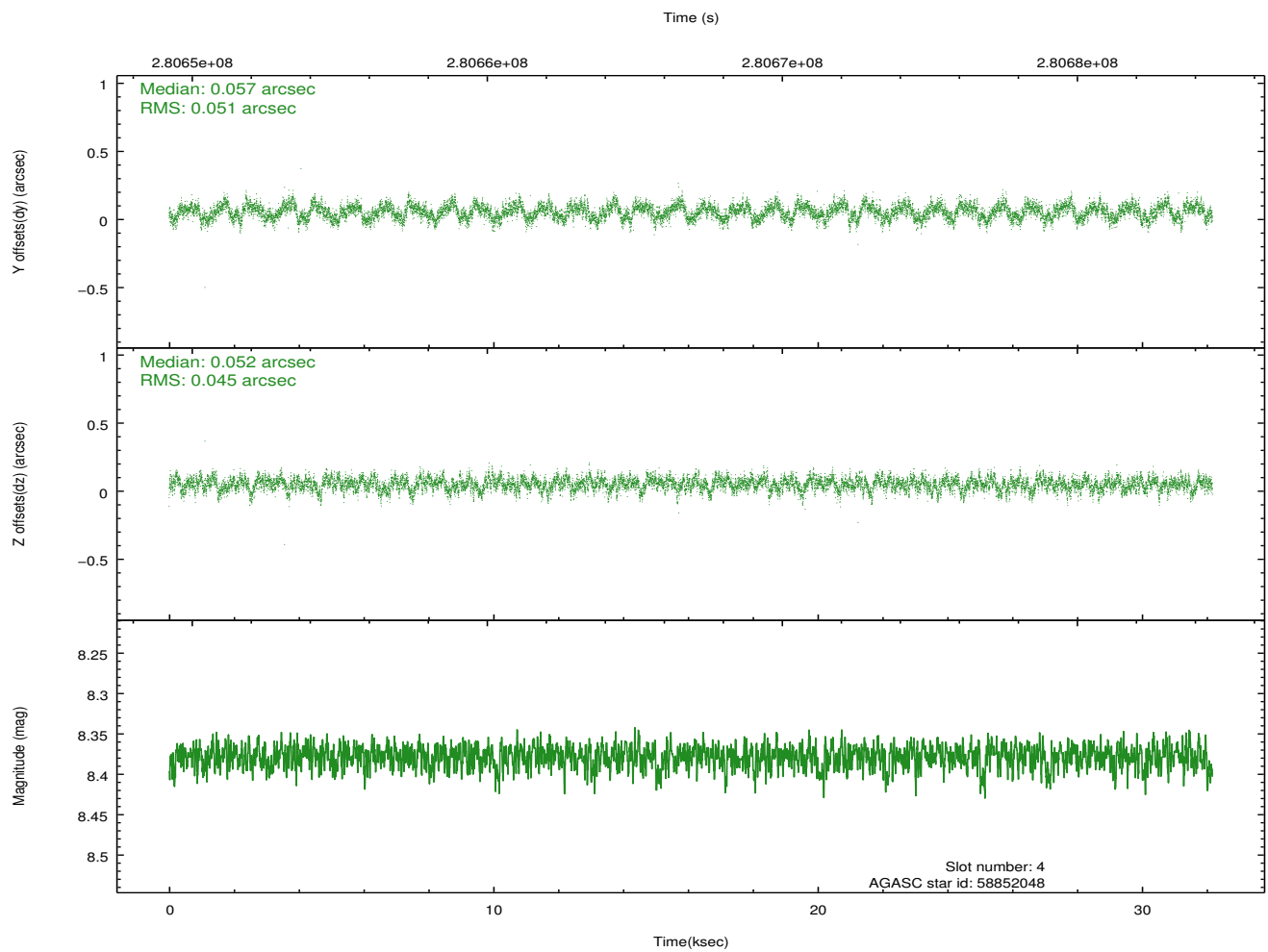
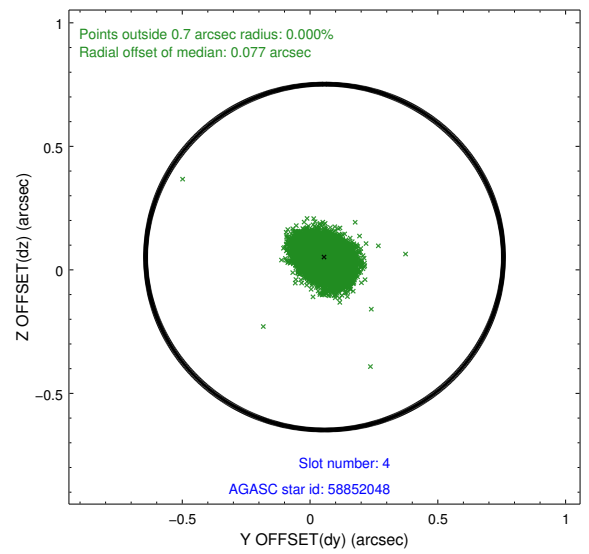
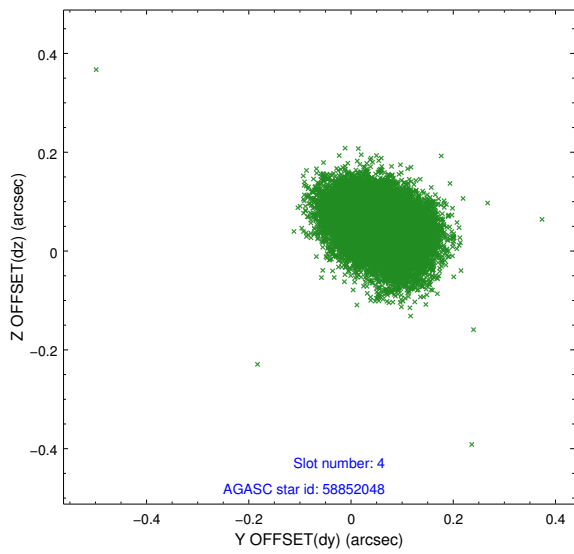
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	7847	0.058	0.200	0.010	0.015	0.000000	0.000000	934.66	-1929.01
1	FID	ACIS-S-2	7.08	7847	-0.190	-0.166	0.015	0.022	0.000000	0.000000	-761.46	-1934.06
2	FID	ACIS-S-6	7.41	7846	0.110	-0.031	0.010	0.019	0.000000	0.000000	400.26	611.98
3	GUIDE	58721400	8.29	15691	-0.021	0.005	0.064	0.106	282.817104	0.833240	-1018.21	-756.23
4	GUIDE	58852048	8.38	15688	0.057	0.052	0.072	0.116	283.366398	0.870285	-195.93	1046.66
5	GUIDE	58857104	9.19	15679	0.057	0.078	0.096	0.152	283.814800	0.638238	1306.25	2070.01
6	GUIDE	58724088	6.68	15692	-0.202	-0.158	0.056	0.087	282.404972	0.836197	-1733.01	-2056.49
7	GUIDE	58720848	9.20	15655	0.113	0.027	0.090	0.147	282.753905	0.246323	732.46	-1961.00

2.4 Star Slots

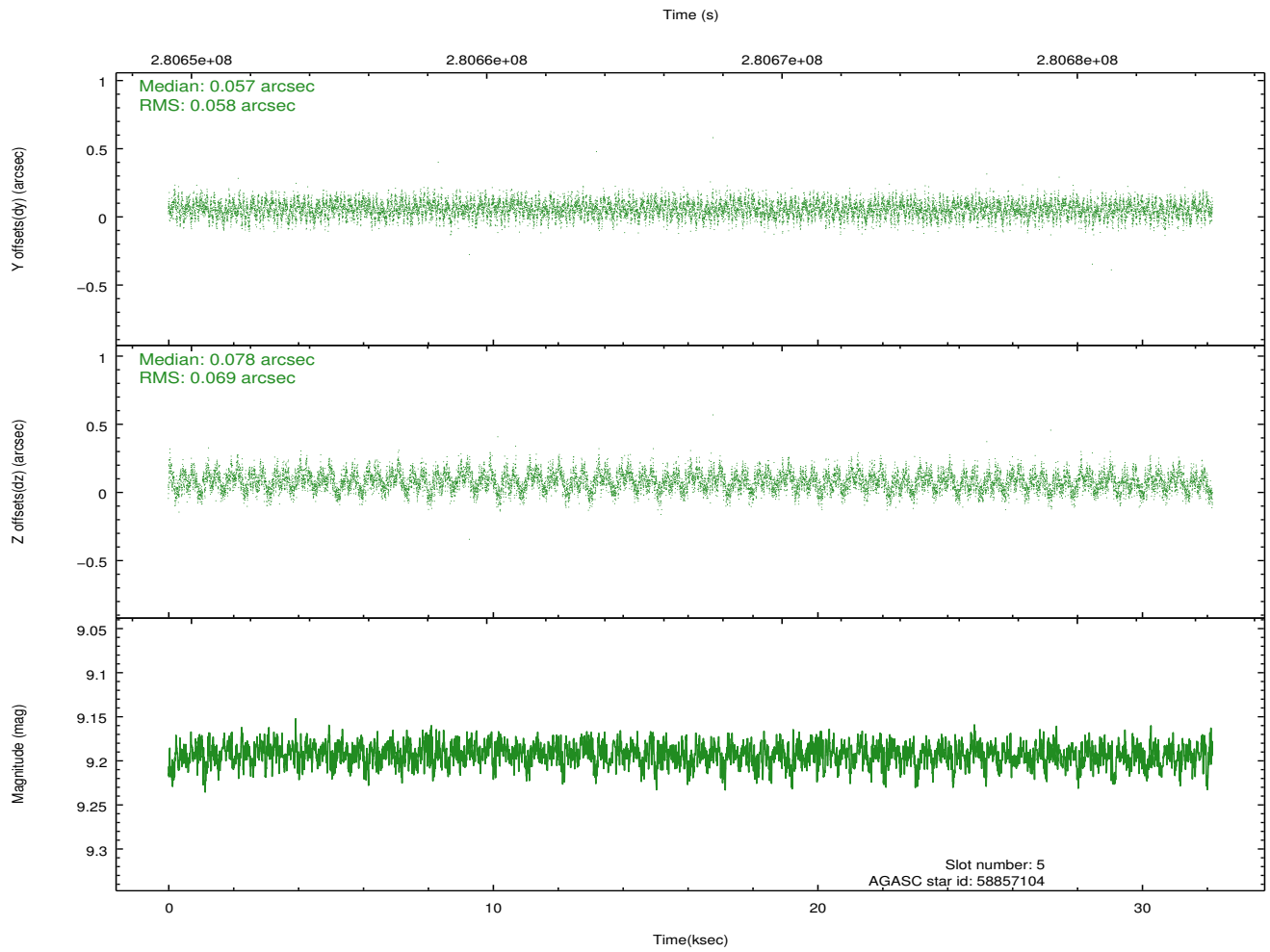
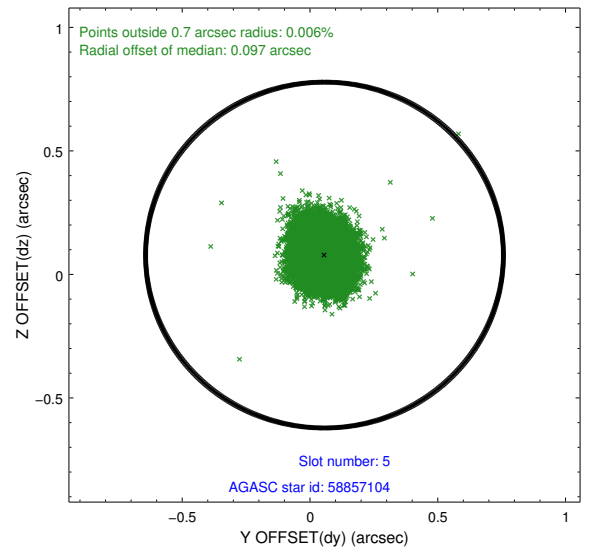
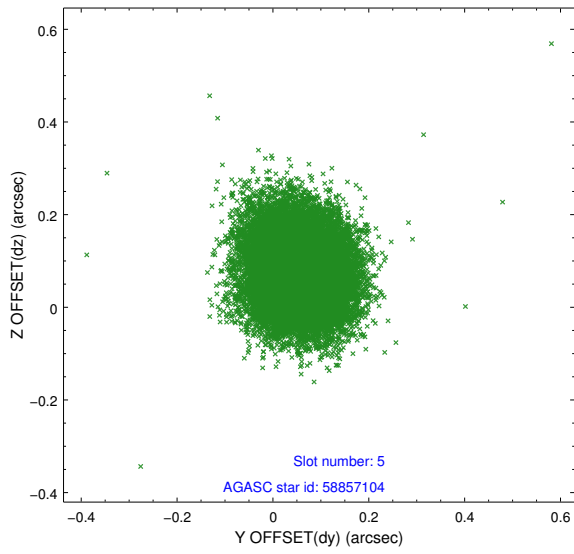
2.4.1 Slot 3



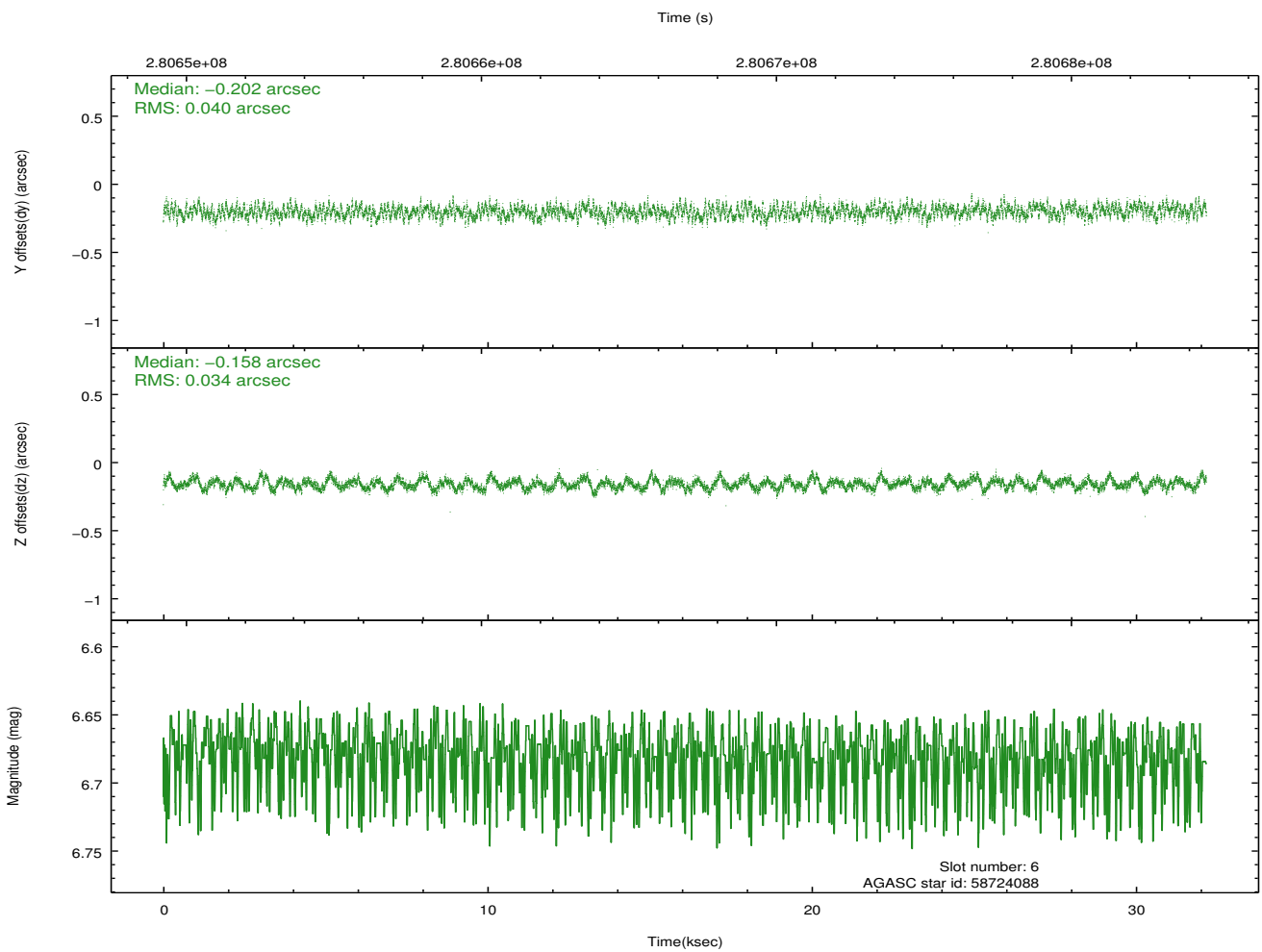
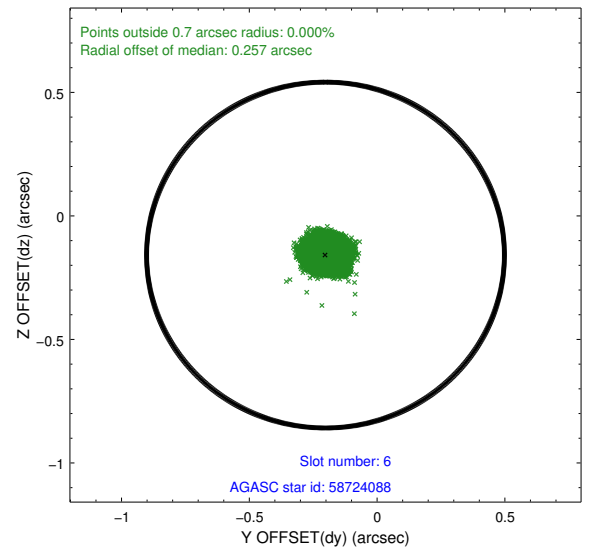
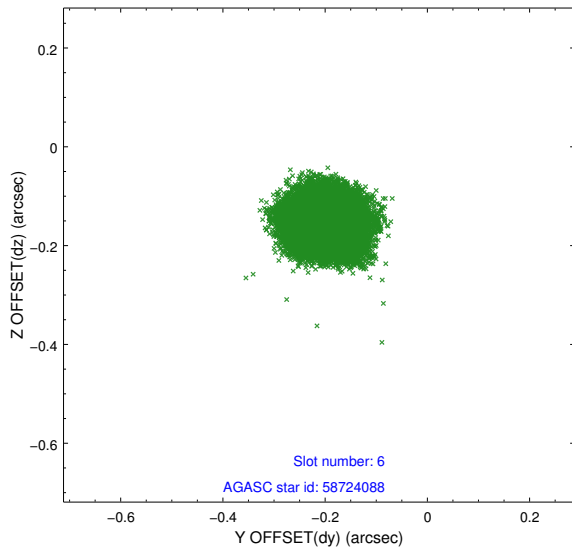
2.4.2 Slot 4



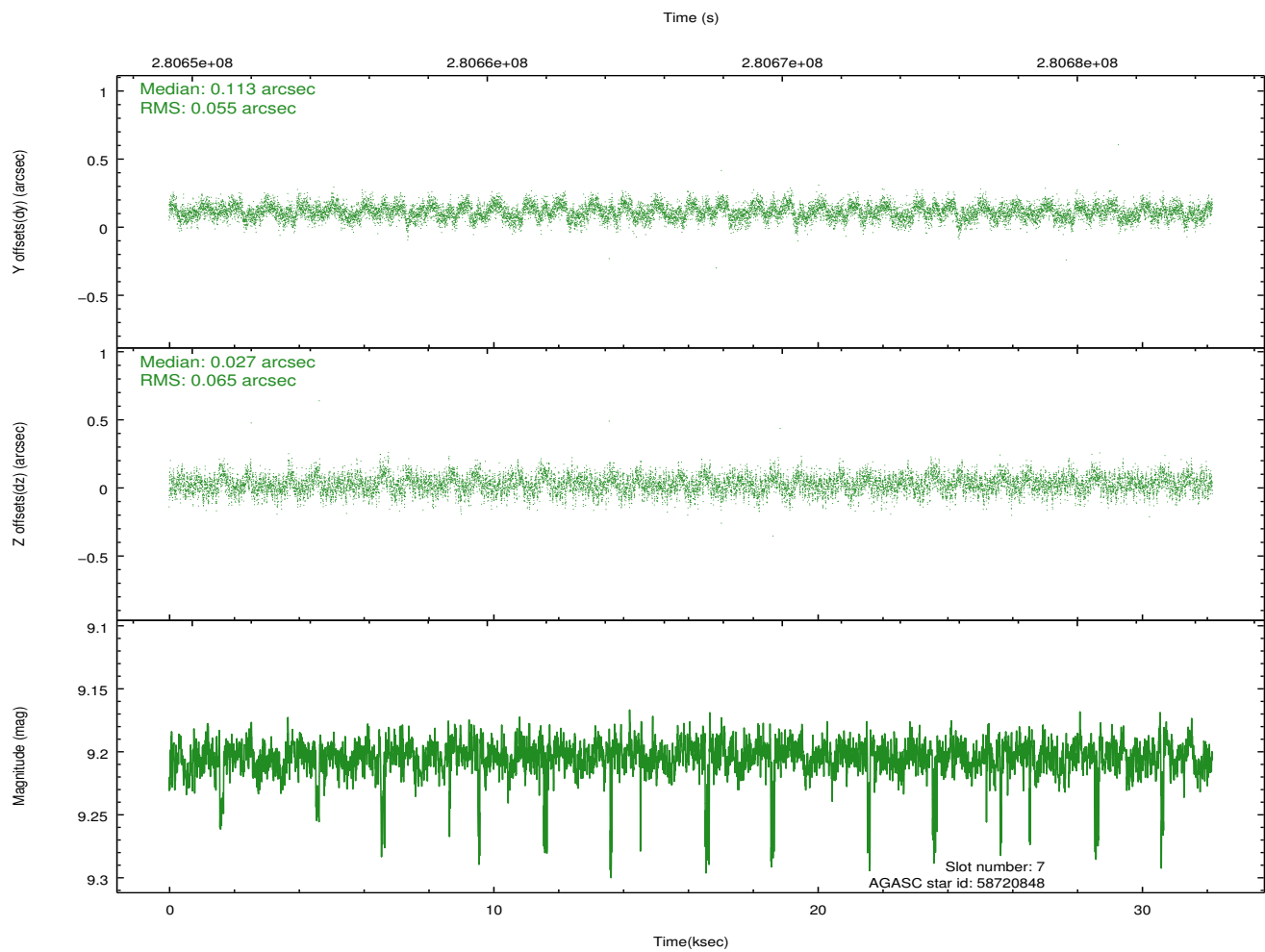
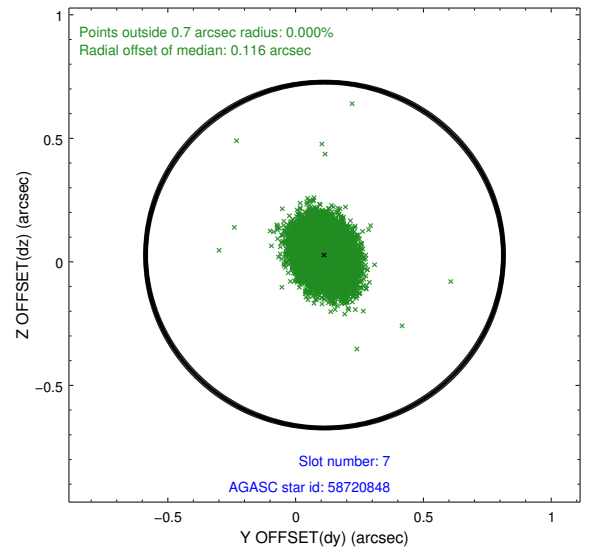
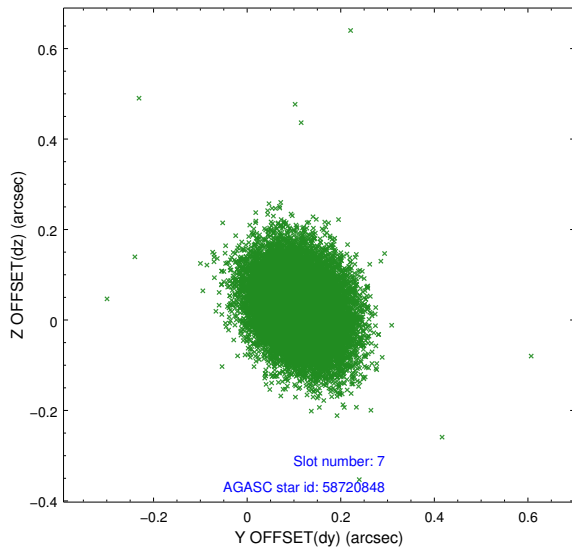
2.4.3 Slot 5



2.4.4 Slot 6

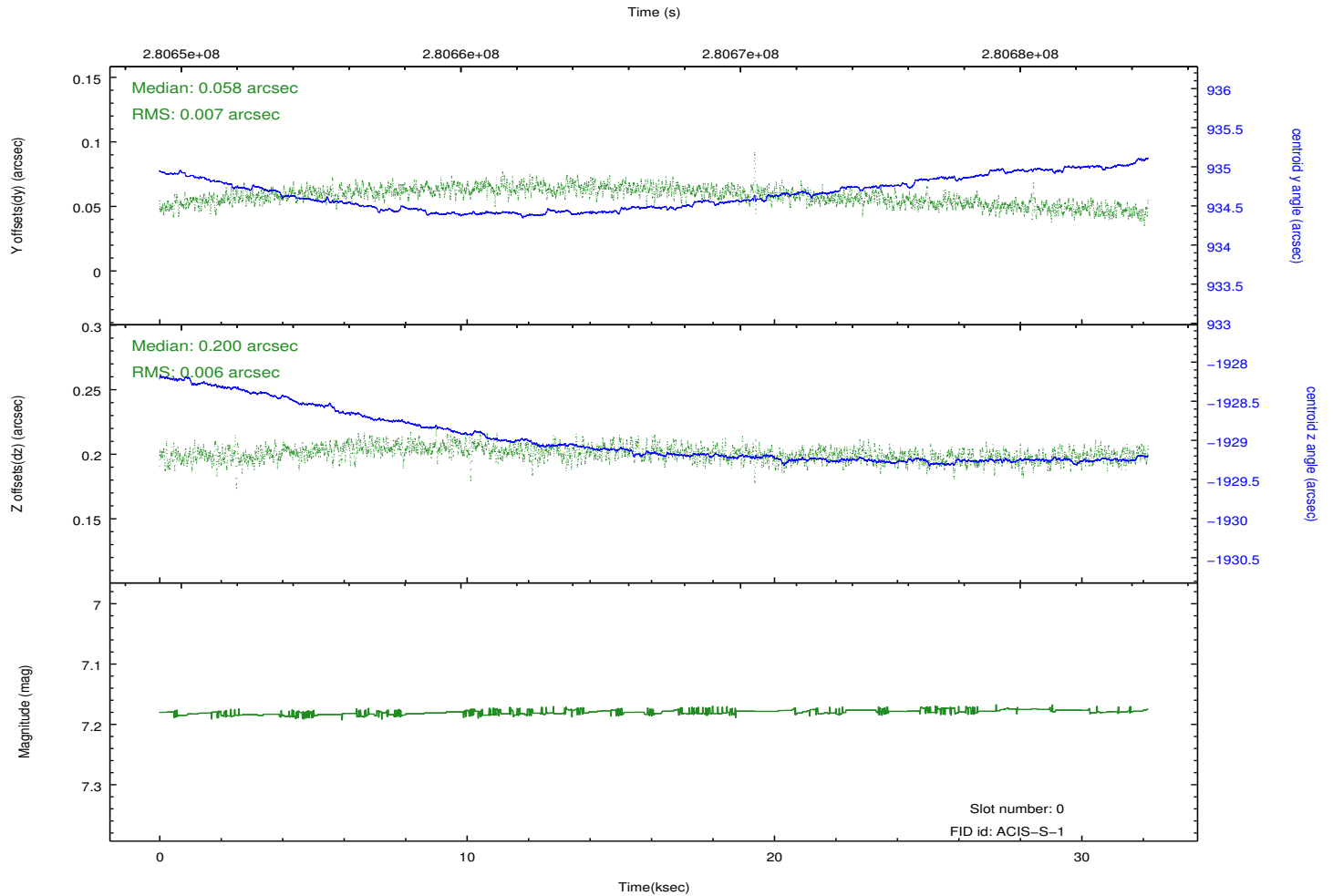
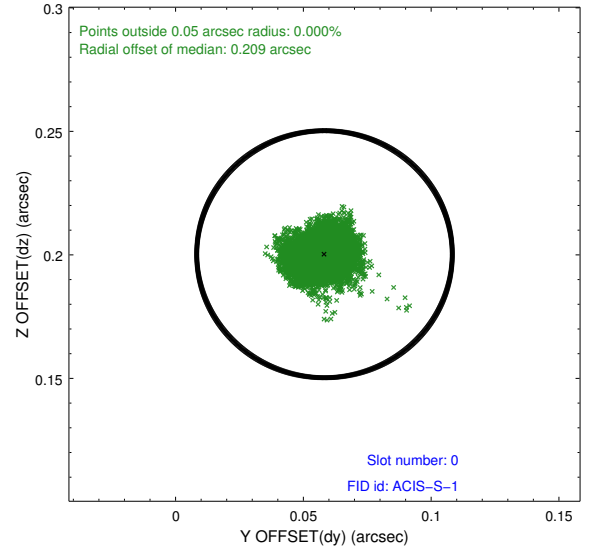
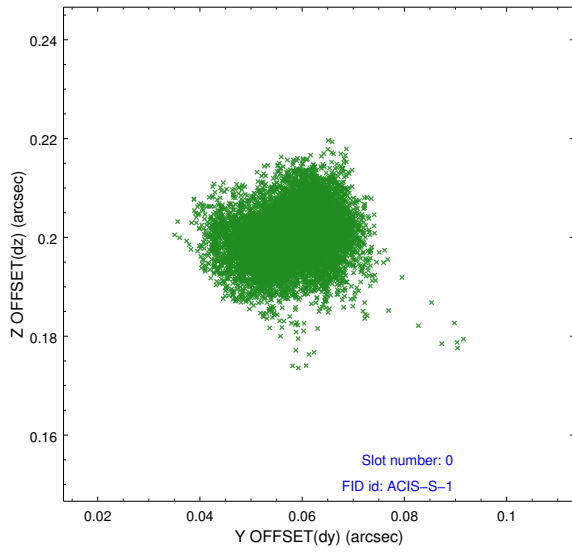


2.4.5 Slot 7

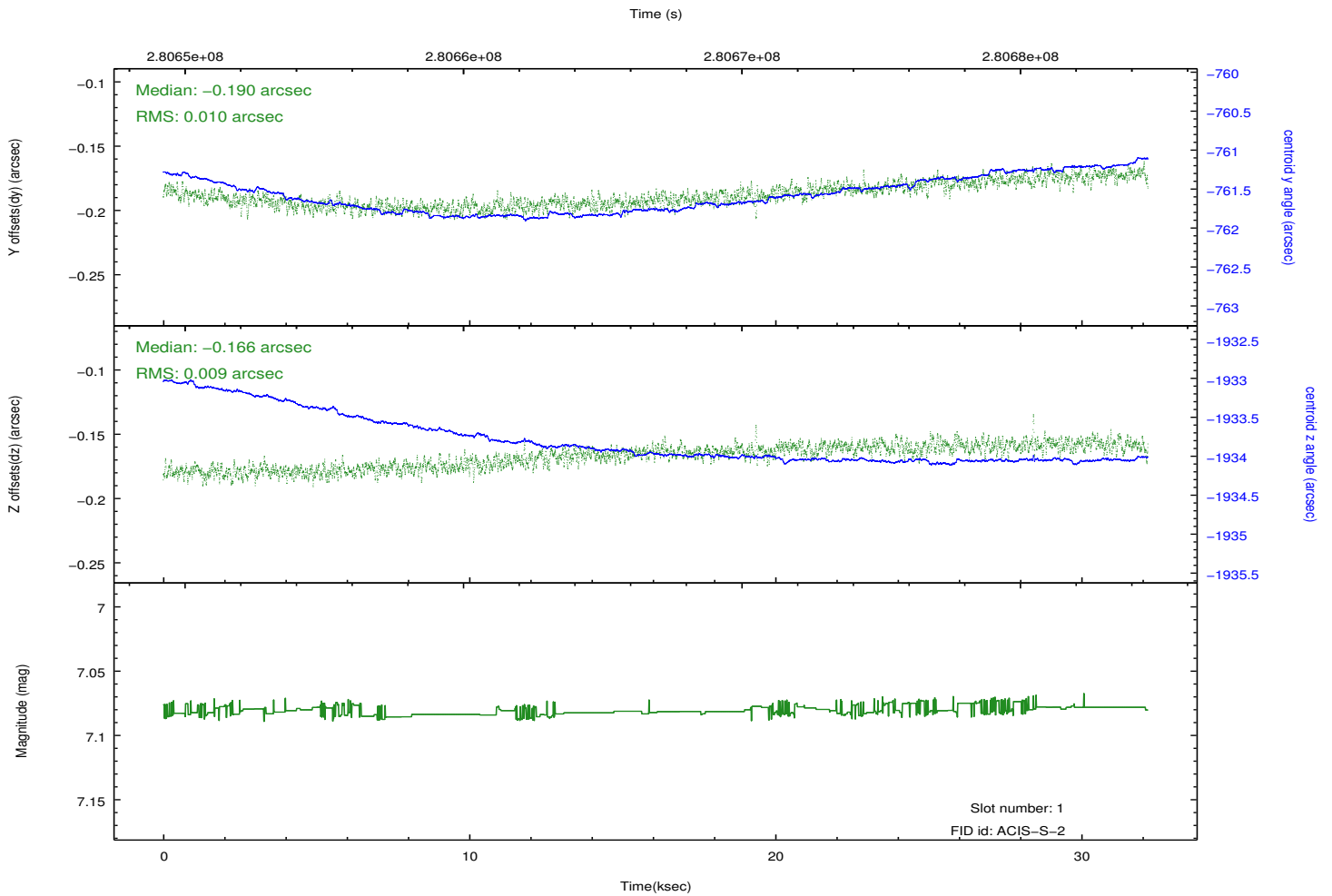
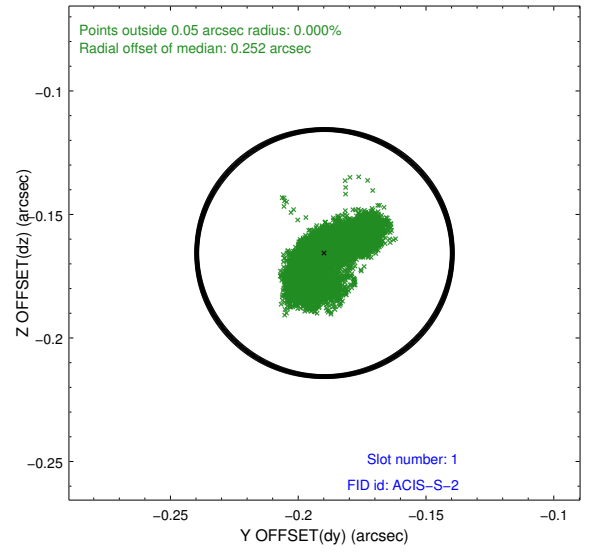
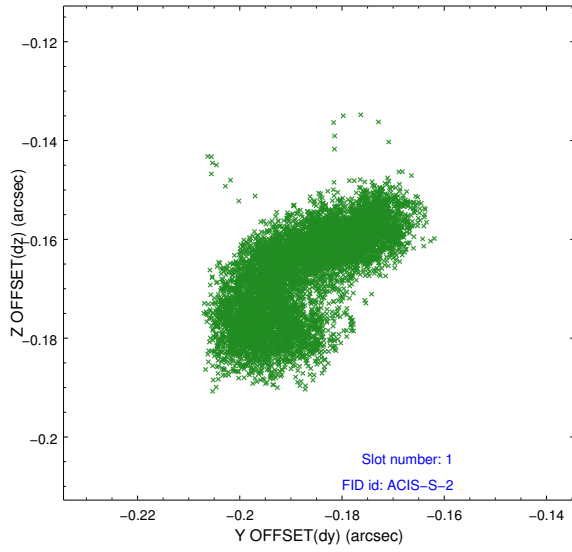


2.5 FID Slots

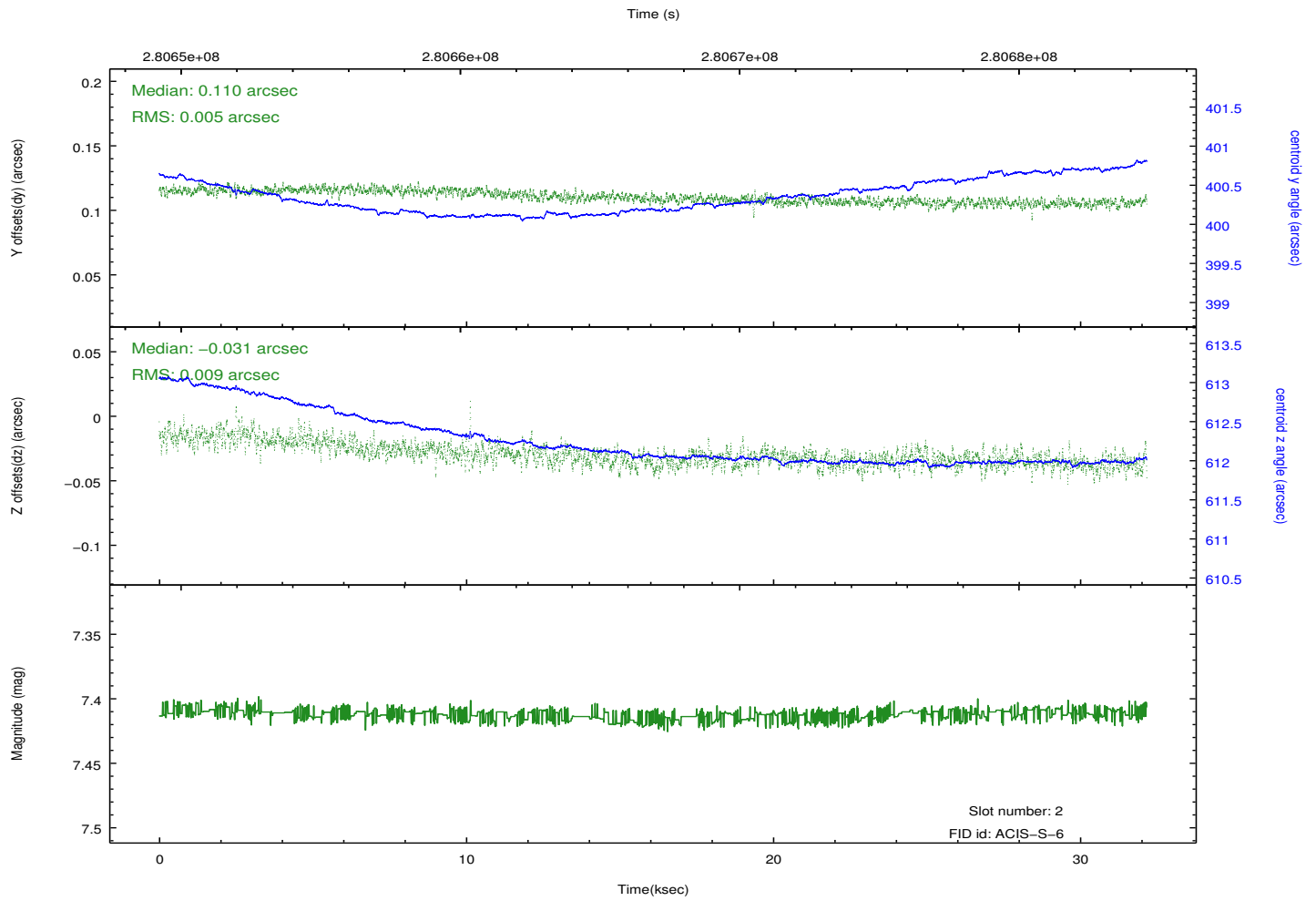
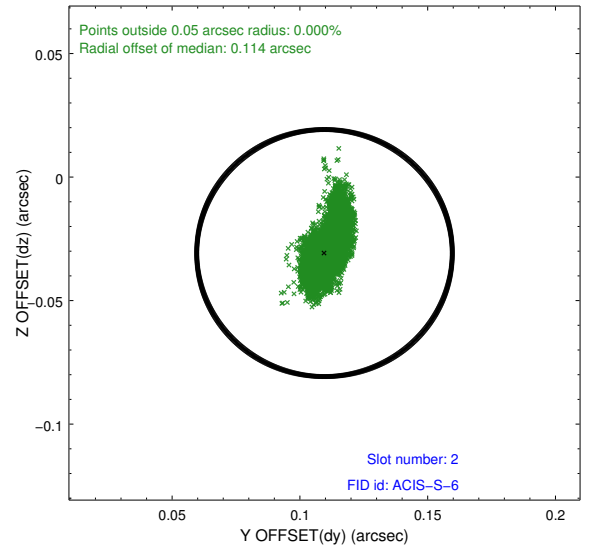
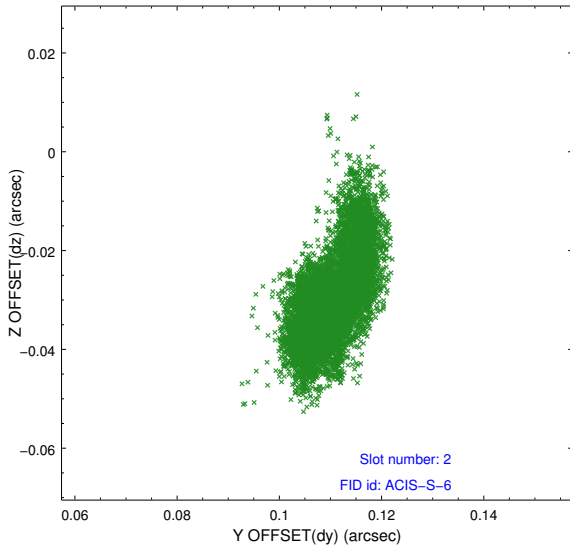
2.5.1 Slot 0



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)	2012.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.16675

A.2 Comments