

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9823 - L2 Version 2
Chandra X-Ray Center

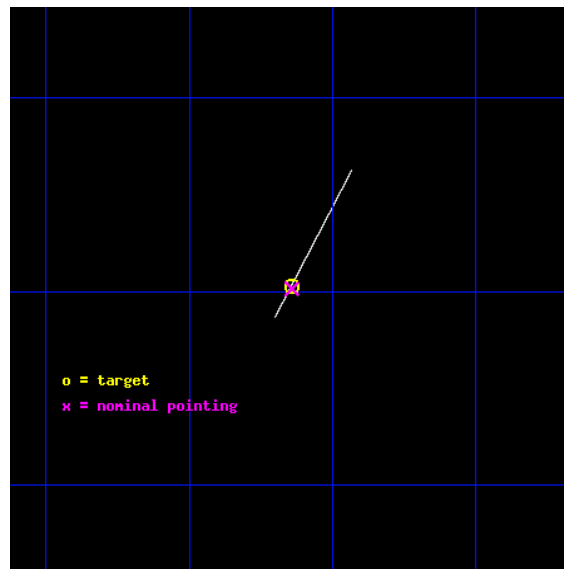
L2 Processing Date : May 24 2012

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1 Front

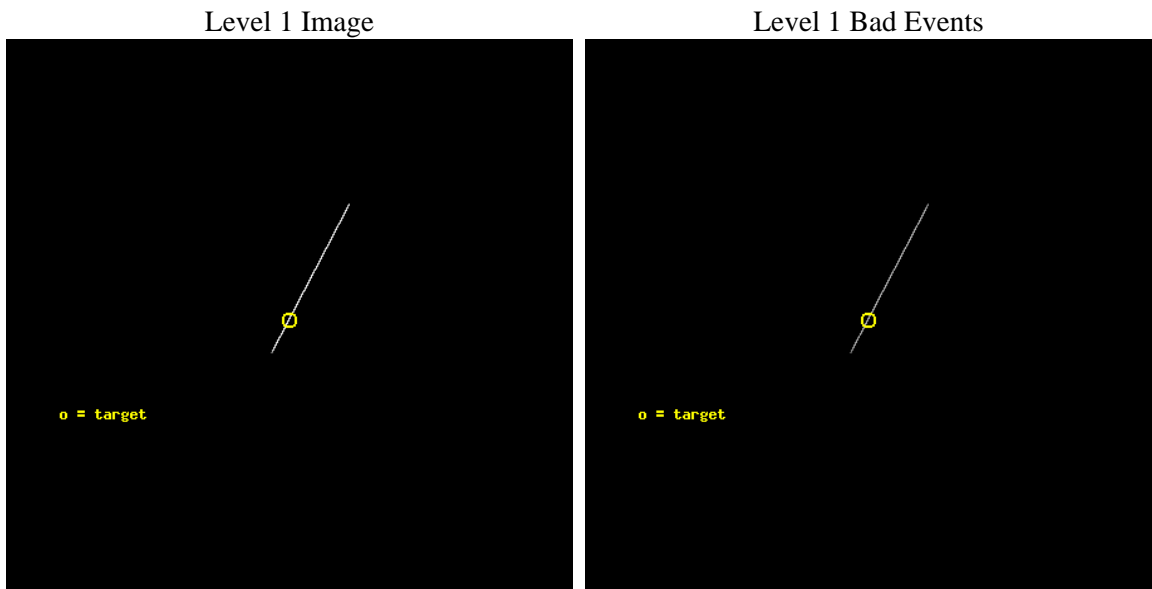
seq_num	501015	Sequence number
obs_id	9823	Observation id
title	Measuring the Magnetic Fields of Central Compact Objects in Supernova Remnants	Proposal title
observer	Prof. Jules Halpern	Principal investigator
object	PSR J1852+0040	Source name
ra_targ	283.160833	Observer's specified target RA [deg]
dec_targ	0.672167	Observer's specified target Dec [deg]
ra_nom	283.16053964367	Nominal RA [deg]
dec_nom	0.66924366476043	Nominal Dec [deg]
roll_nom	297.83488841063	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30150.0	Sum of GTIs [s]
livetime	30032.2265625	Livetime [s]
ontime7	30150.0	Sum of GTIs [s]
l2events	197756	Number of level 2 events



2 OBI

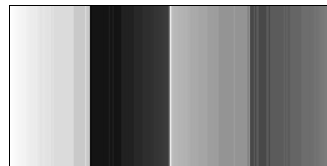
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	30150.0	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	30150.0	Sum of GTIs [s]
date	2012-05-24T16:06:16	Date and time of file creation	l1events	243783	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

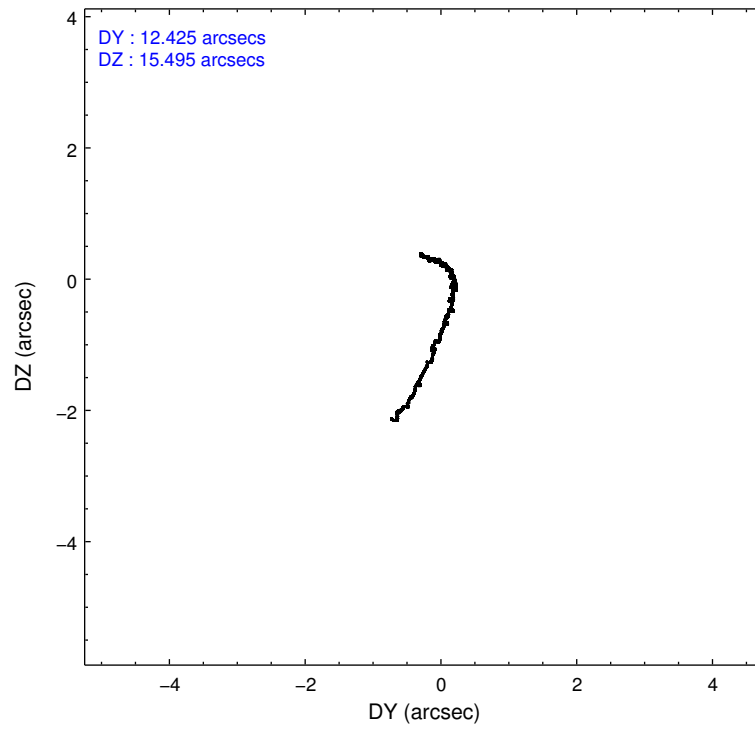
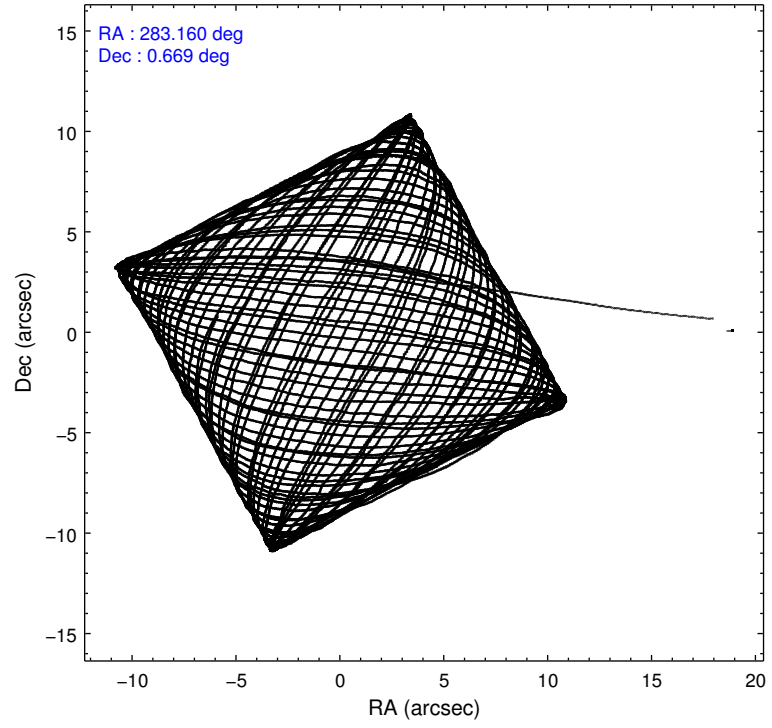
	ccd 7
level 1 events	243783
rejected events	38647
rejected %	15%

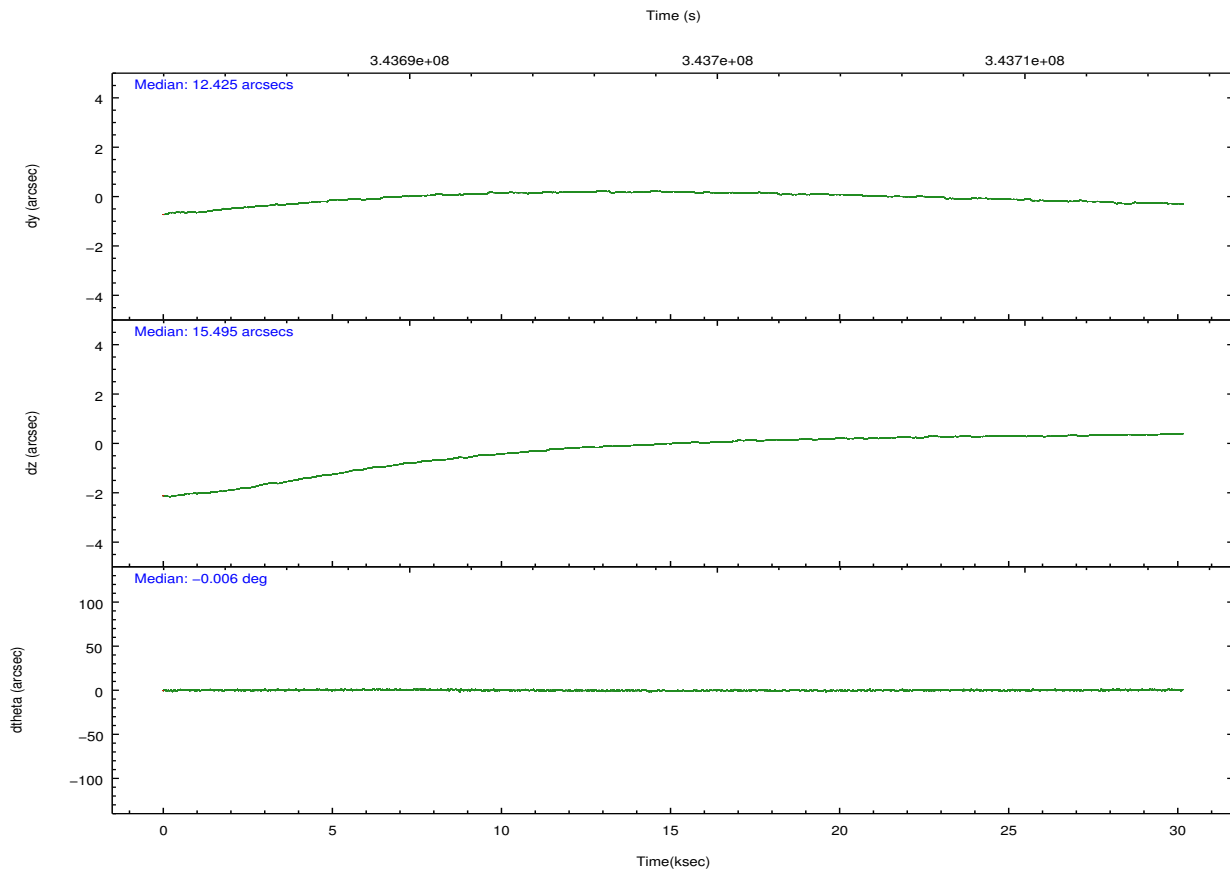
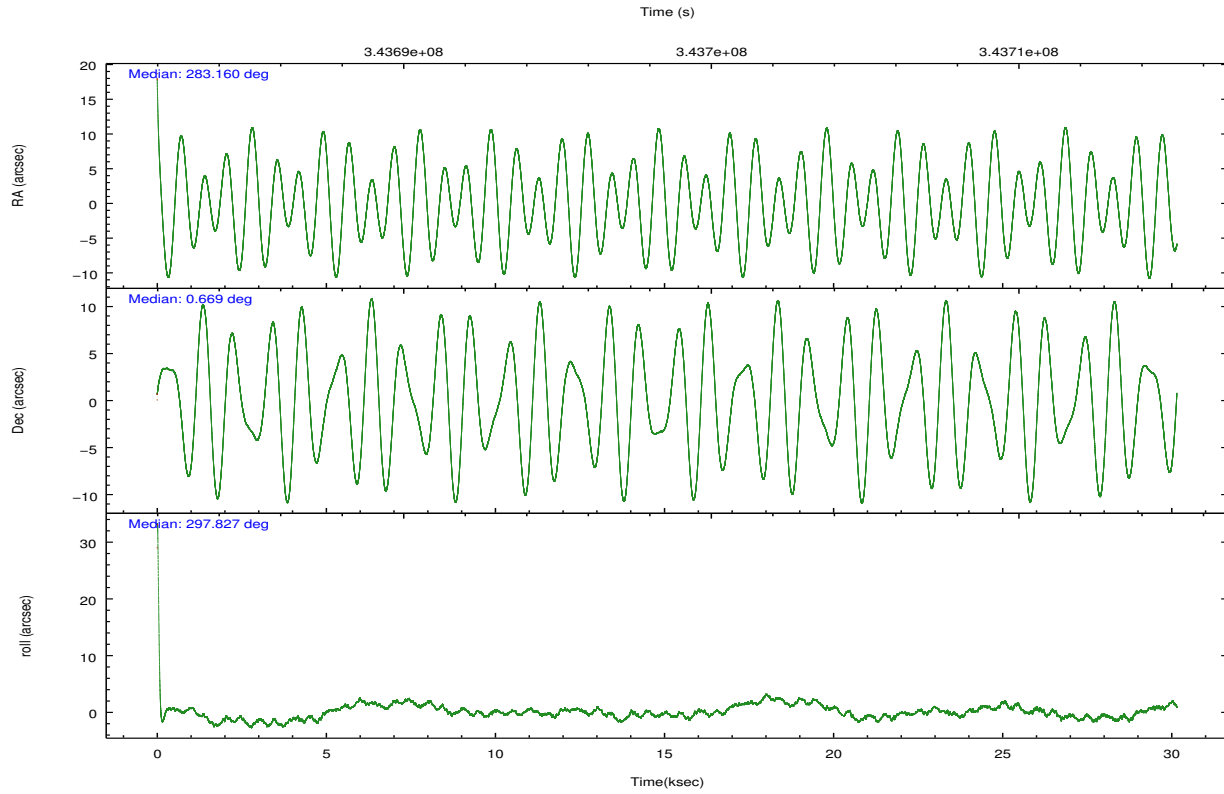
	ccd 7
grade 0 events	19655
	8%
grade 1 events	531
	0%
grade 2 events	57467
	23%
grade 3 events	12577
	5%
grade 4 events	12349
	5%
grade 5 events	32810
	13%
grade 6 events	108394
	44%
grade 7 events	0
	0%

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	283.137201	283.1605396436666	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.683490	0.6692436647604321	Alternating exposures requested	N	N
[deg] Pointing Roll	297.678526	297.8348884106273	[s] Primary exposure time	0.000000	0
[s] Window start time (MET)	343612865.184000	343612865.184000			
[s] Window stop time (MET)	344217605.184000	344217605.184000			
[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)	343683640.184000	343682580.75106			
Observation start date	2008-11-21T19:39:35	2008-11-21T19:23:00			
[s] Observation end time (MET)	343713640.184000	343714370.61513			
Observation end date	2008-11-22T03:59:35	2008-11-22T04:12:50			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



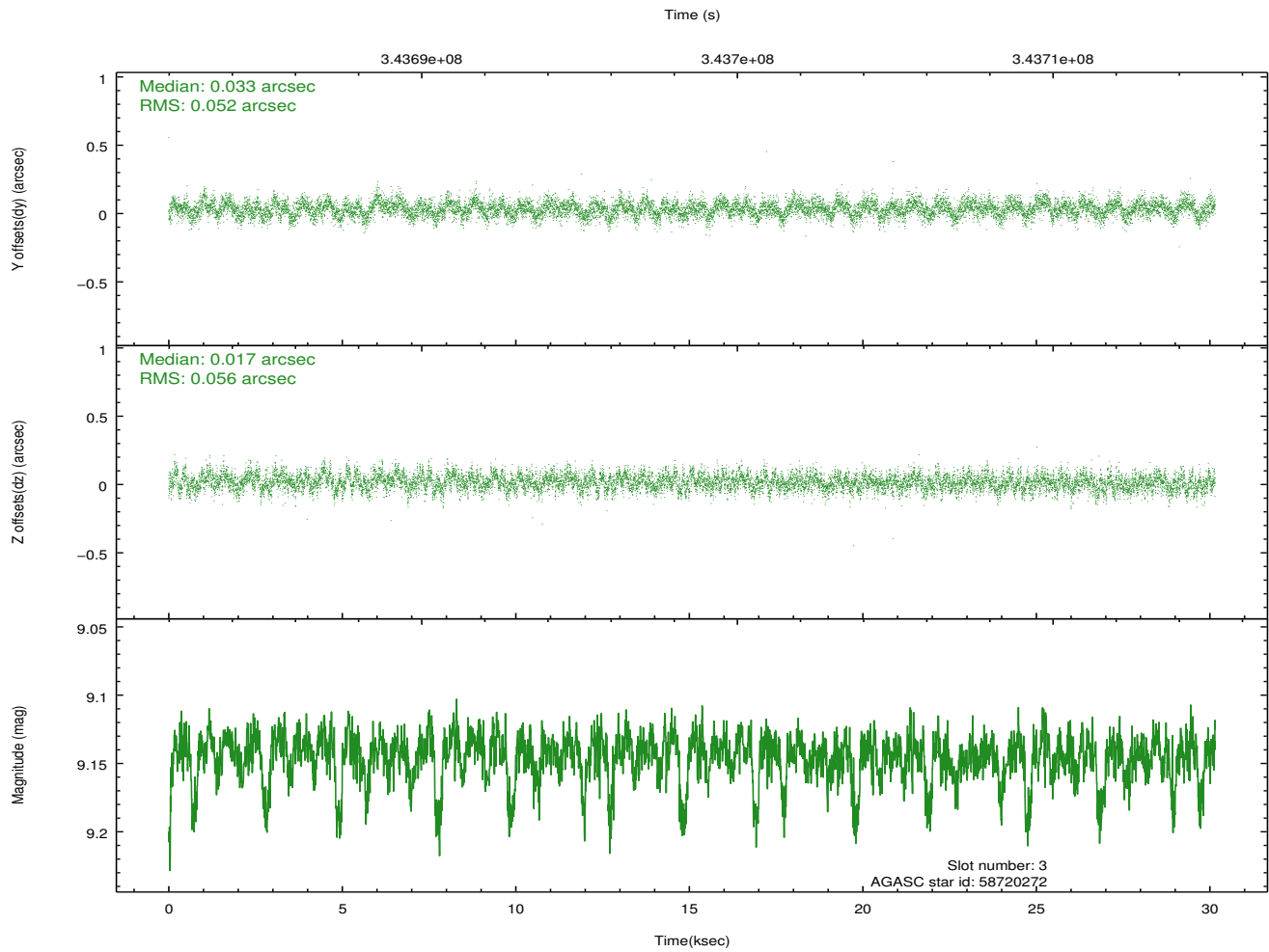
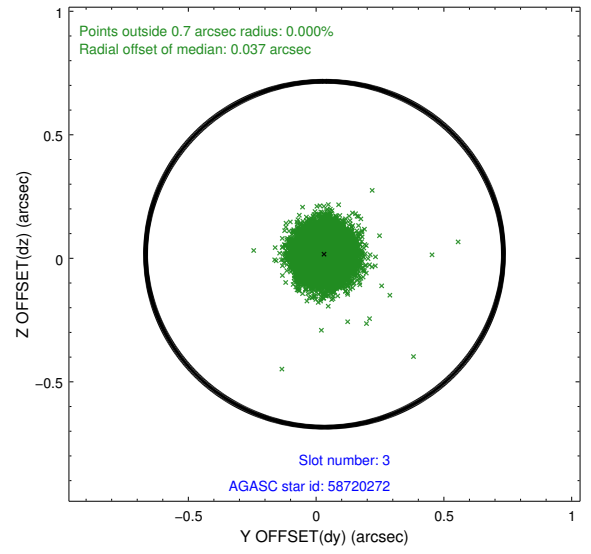
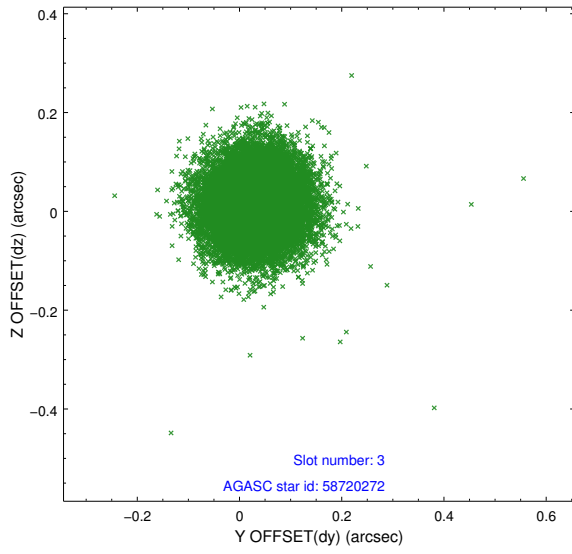


Slot Statistics

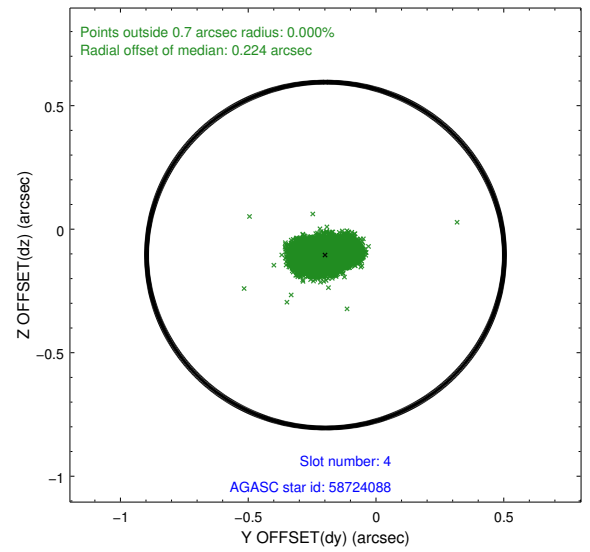
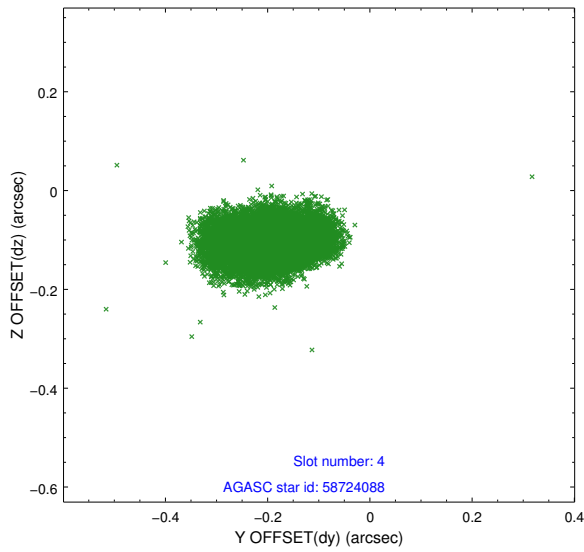
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.95	7356	0.066	0.145	0.014	0.069	0.000000	0.000000	931.57	-1931.03
1	FID	ACIS-S-2	6.86	7356	-0.162	-0.115	0.015	0.049	0.000000	0.000000	-764.52	-1935.98
2	FID	ACIS-S-6	7.18	7354	0.075	-0.031	0.027	0.043	0.000000	0.000000	397.18	609.99
3	GUIDE	58720272	9.14	14696	0.033	0.017	0.082	0.130	282.926317	0.546362	85.23	-901.55
4	GUIDE	58724088	6.69	14710	-0.198	-0.105	0.069	0.114	282.404972	0.836197	-1710.78	-2078.88
5	GUIDE	58852048	8.38	14700	0.061	0.051	0.068	0.112	283.366398	0.870285	-212.18	1043.06
6	GUIDE	58857104	9.18	14691	0.000	0.082	0.108	0.170	283.814800	0.638238	1277.23	2084.98
7	GUIDE	58720848	9.19	14696	0.107	-0.042	0.105	0.170	282.753905	0.246323	753.53	-1952.59

2.4 Star Slots

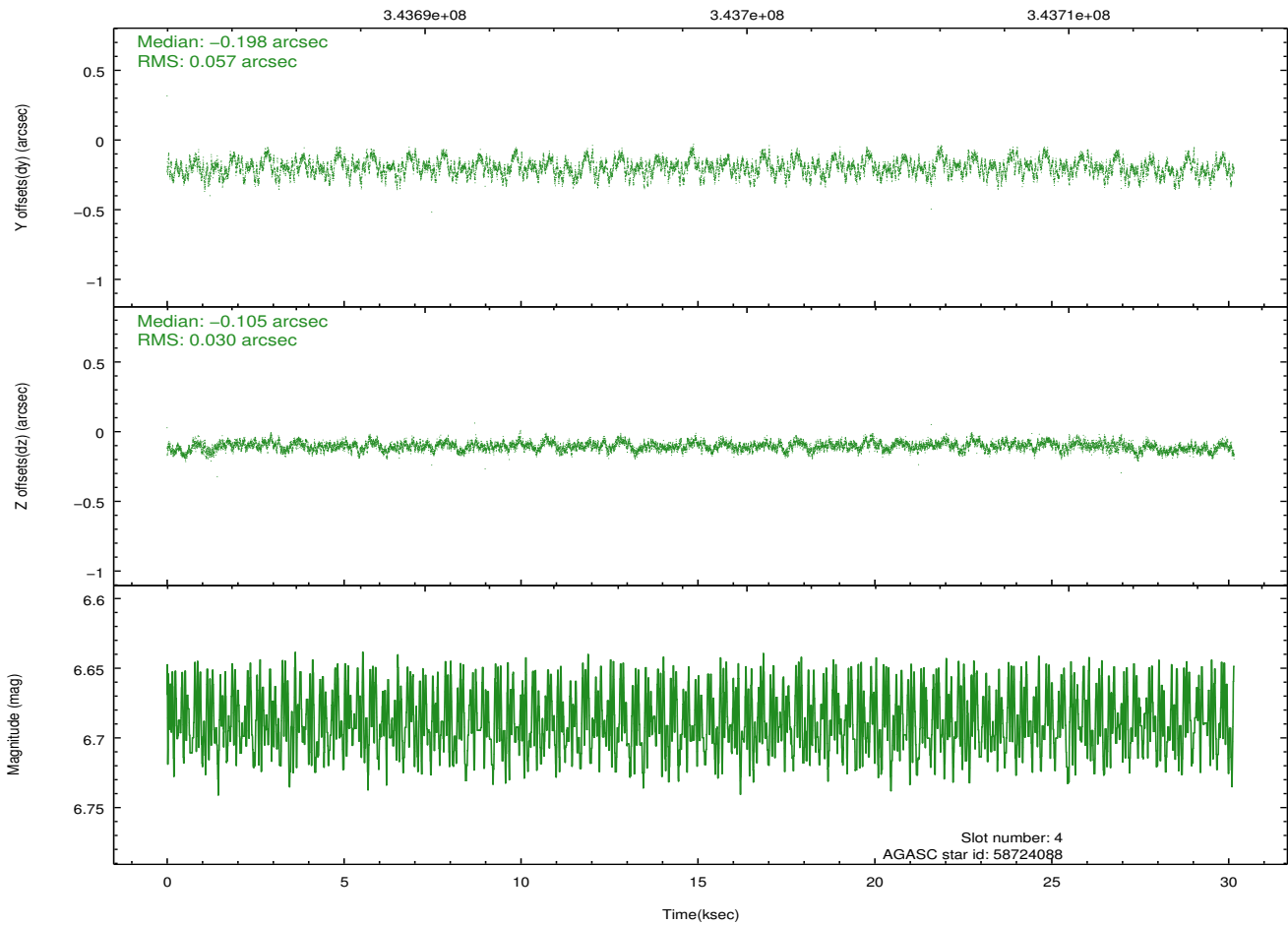
2.4.1 Slot 3



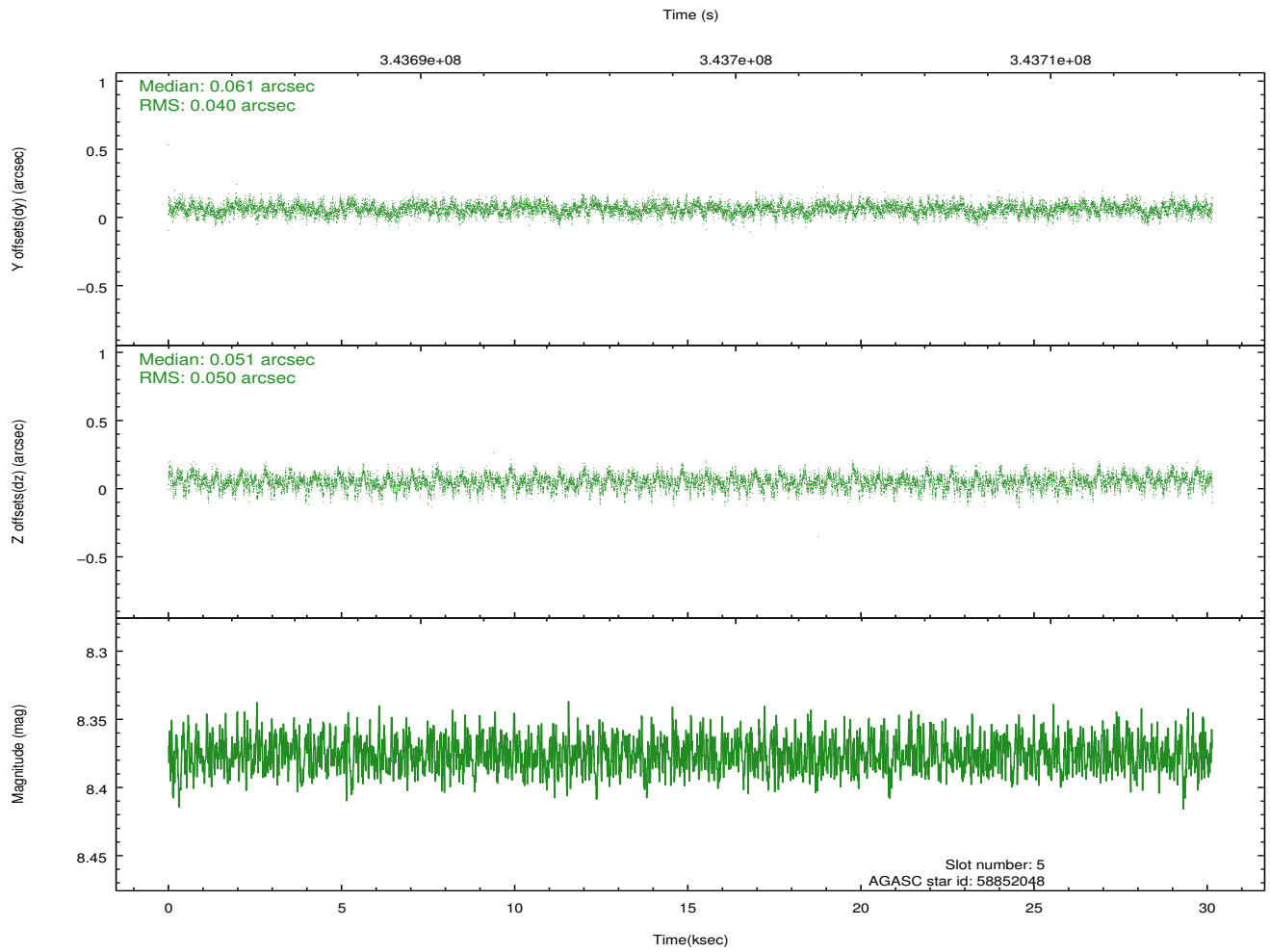
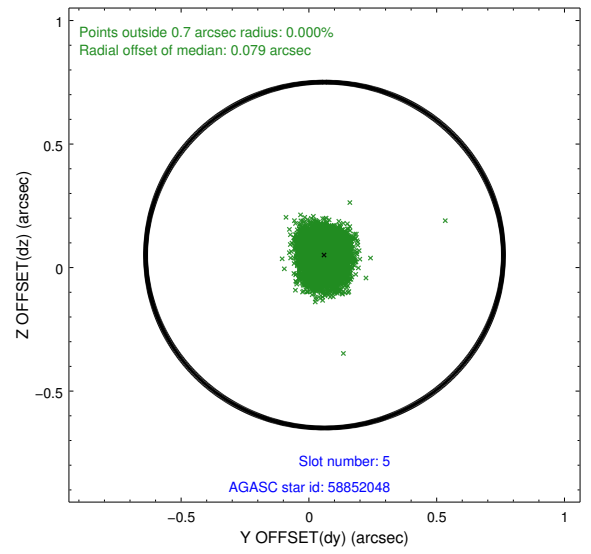
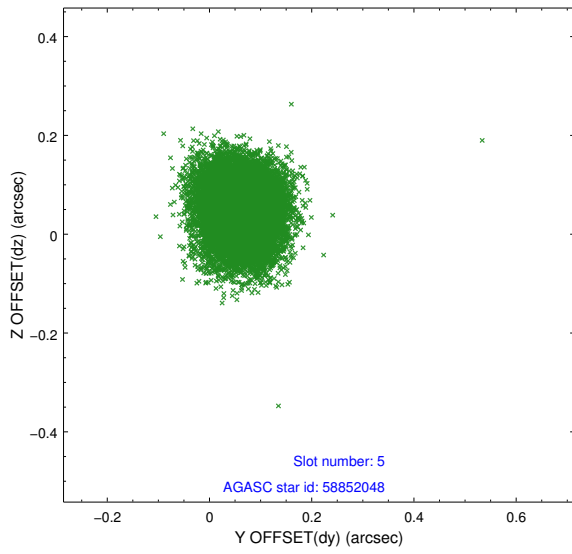
2.4.2 Slot 4



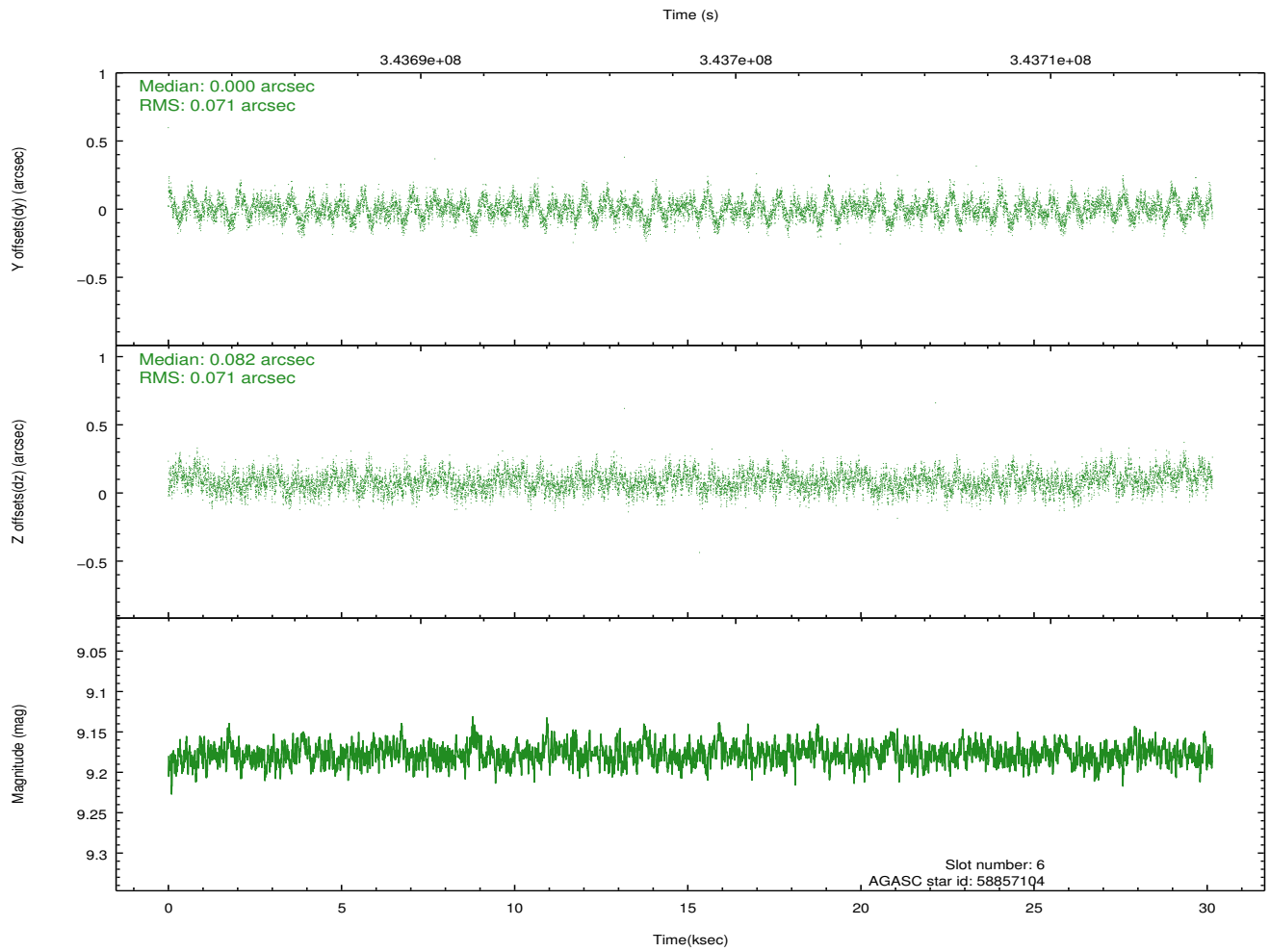
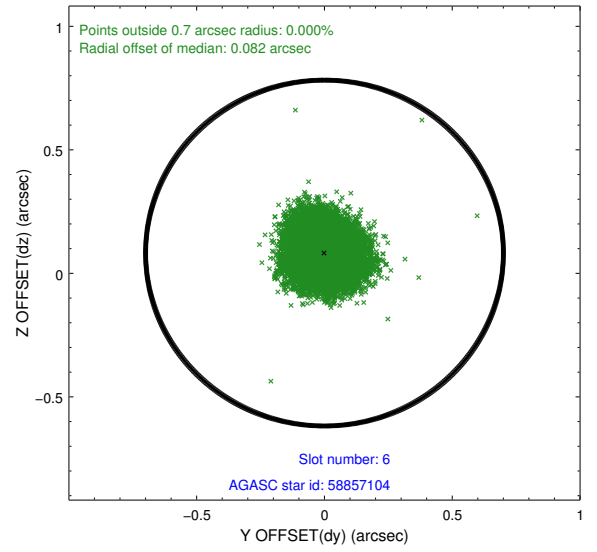
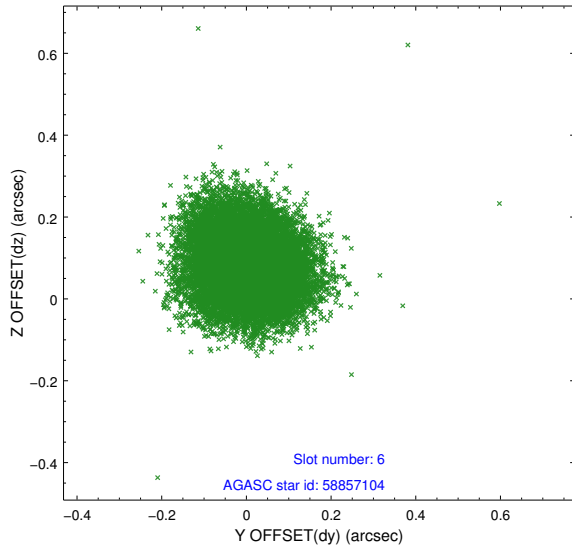
Time (s)



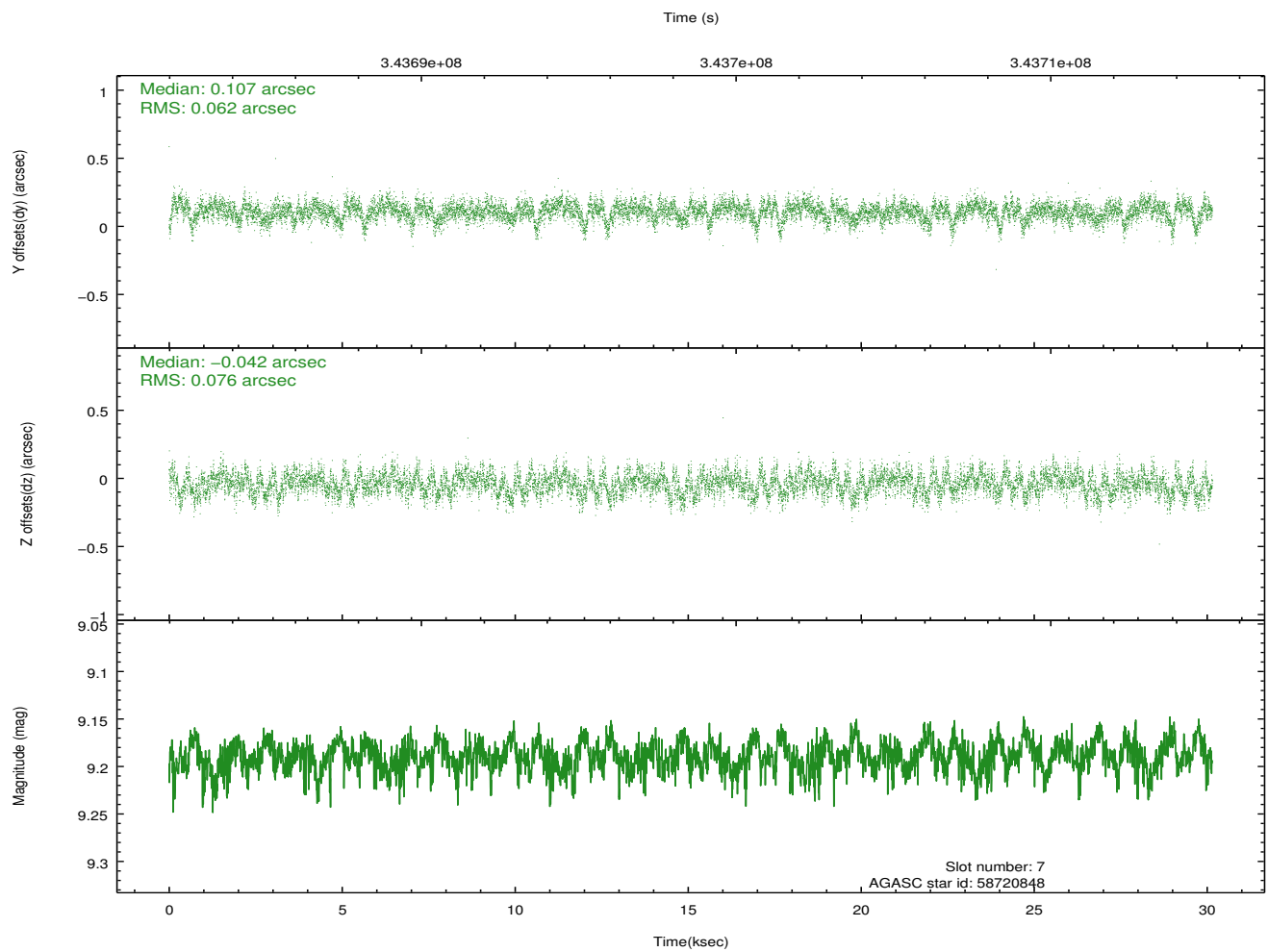
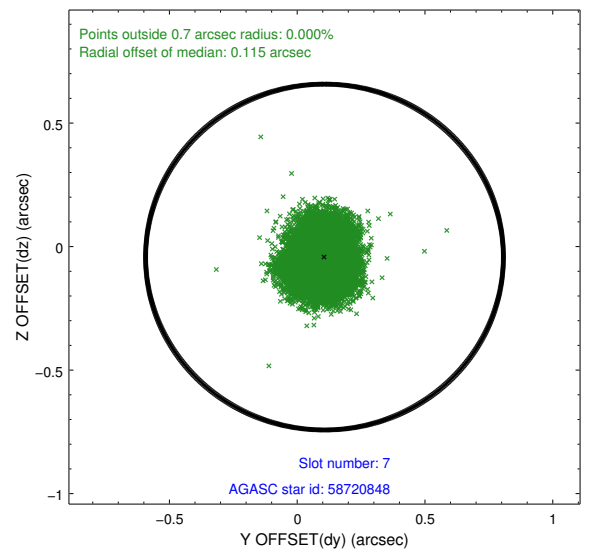
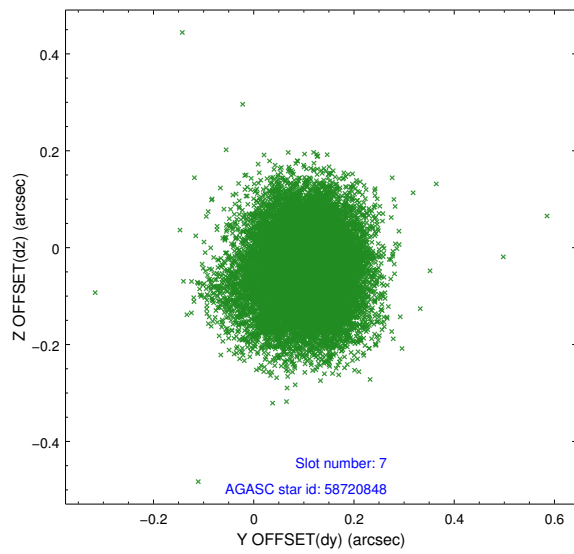
2.4.3 Slot 5



2.4.4 Slot 6

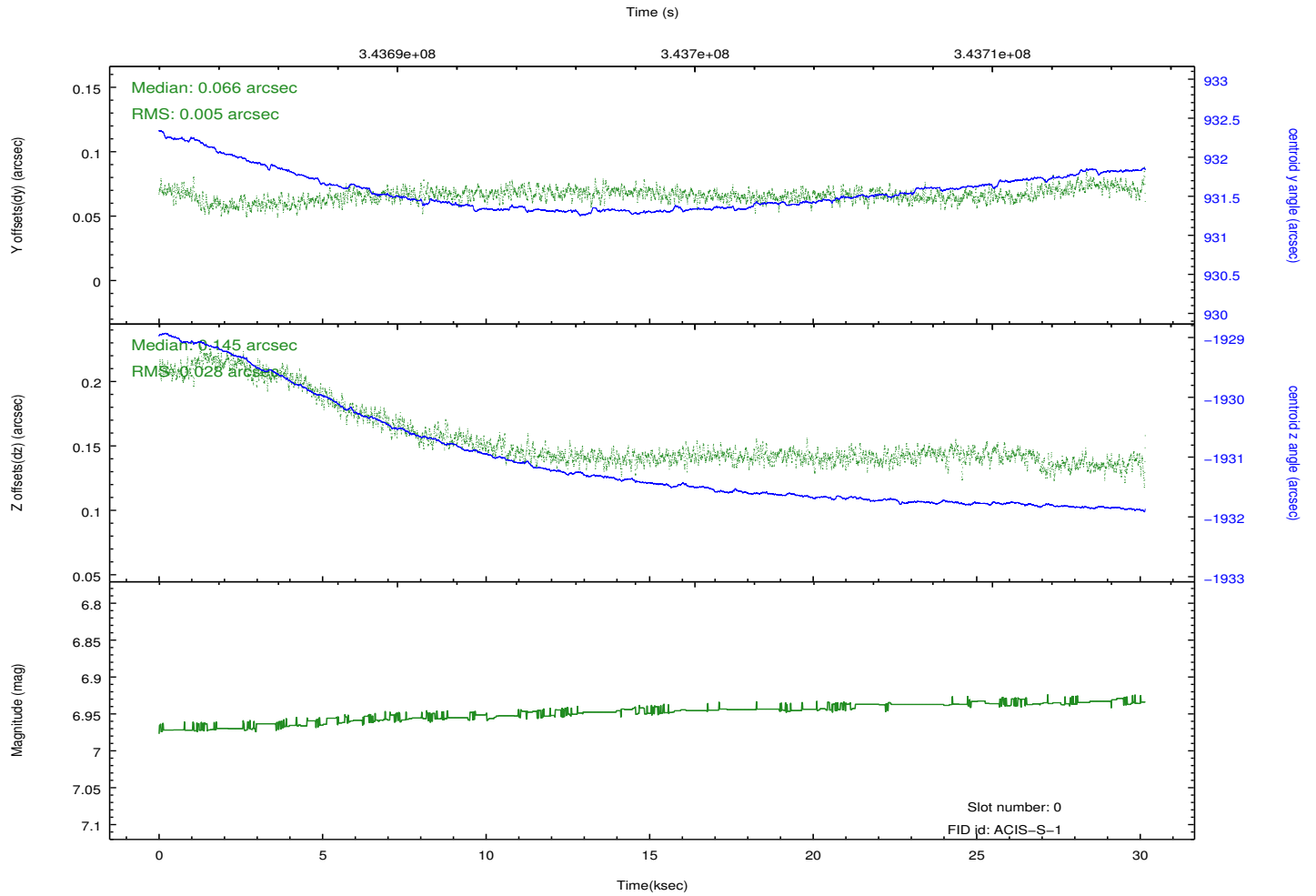
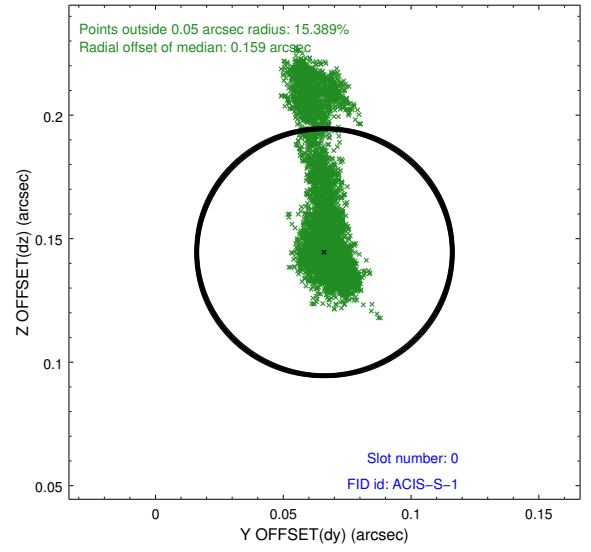
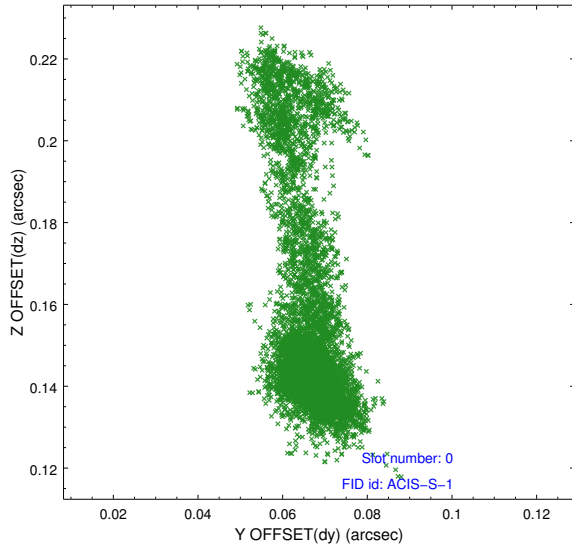


2.4.5 Slot 7

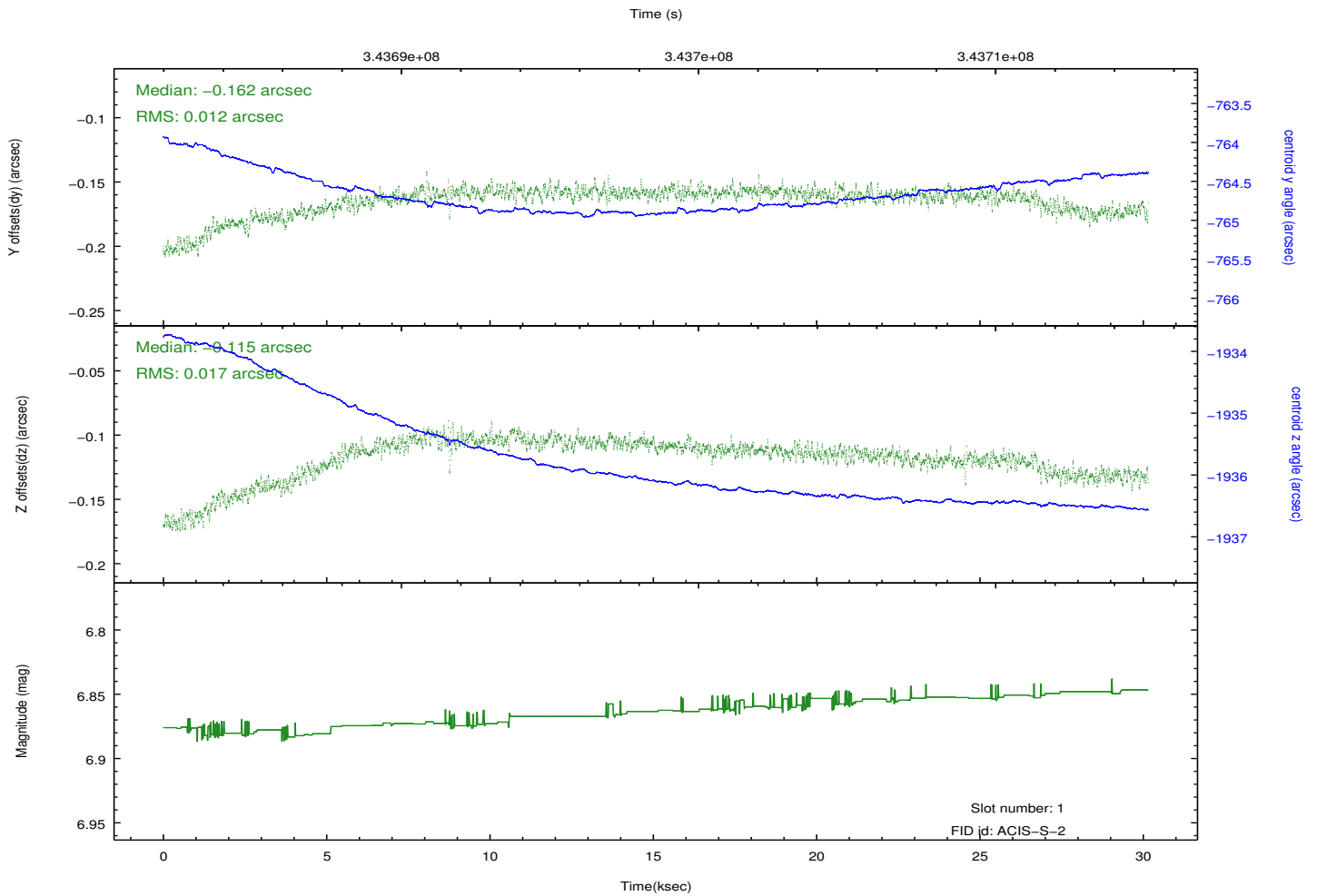
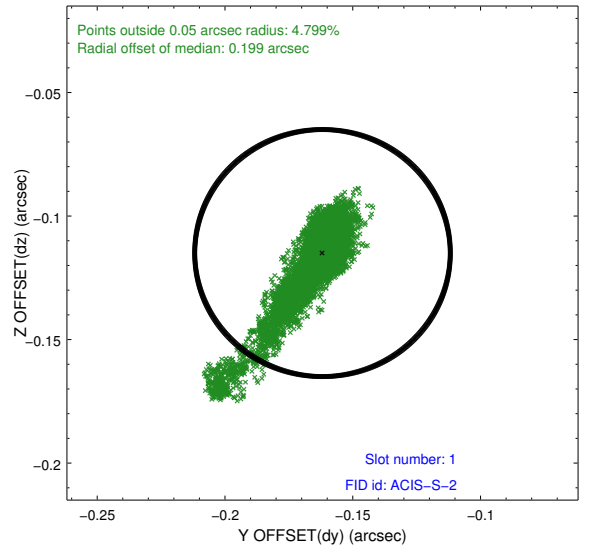
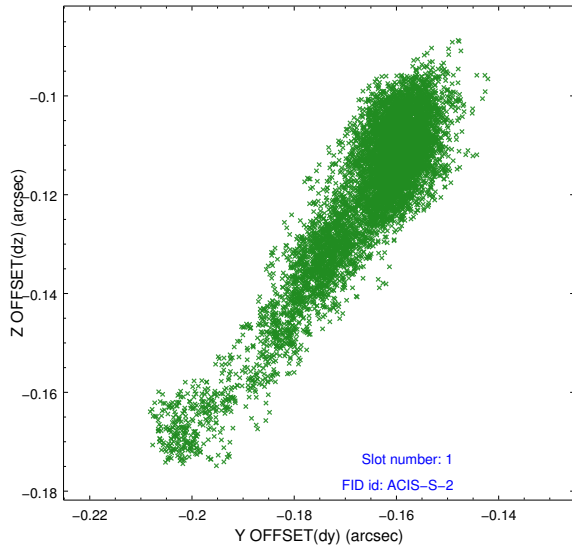


2.5 FID Slots

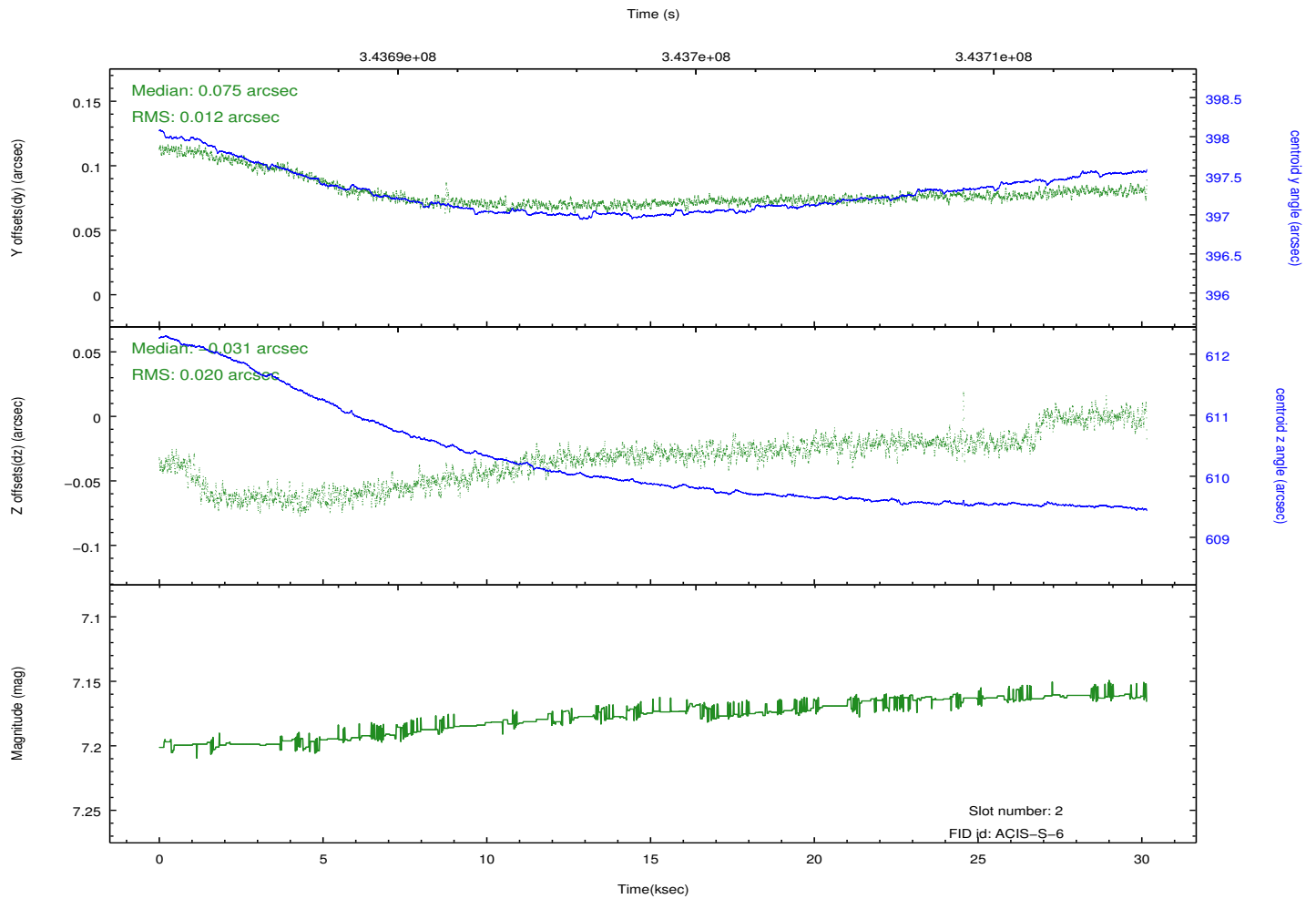
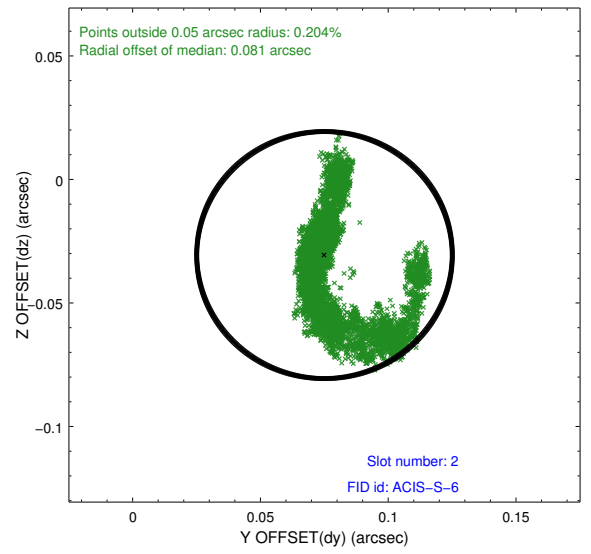
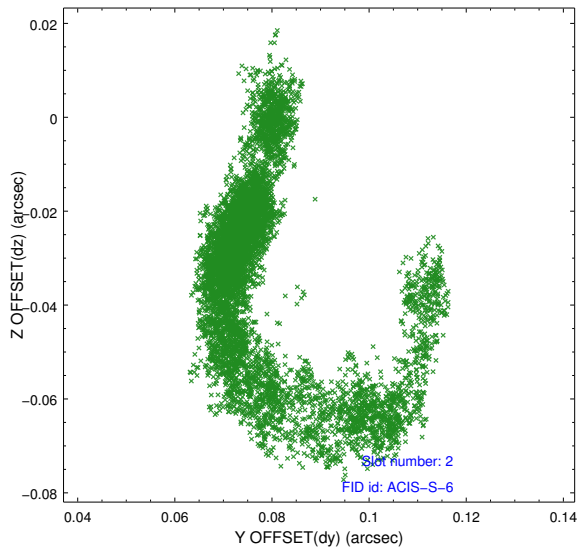
2.5.1 Slot 0



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)	2012.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.15

A.2 Comments