

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 17769 - L2 Version 1
Chandra X-Ray Center

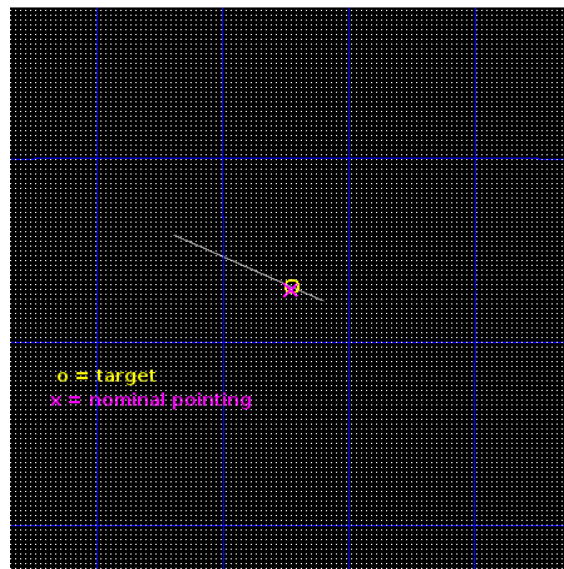
L2 Processing Date : Jul 9 2016

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1 Front

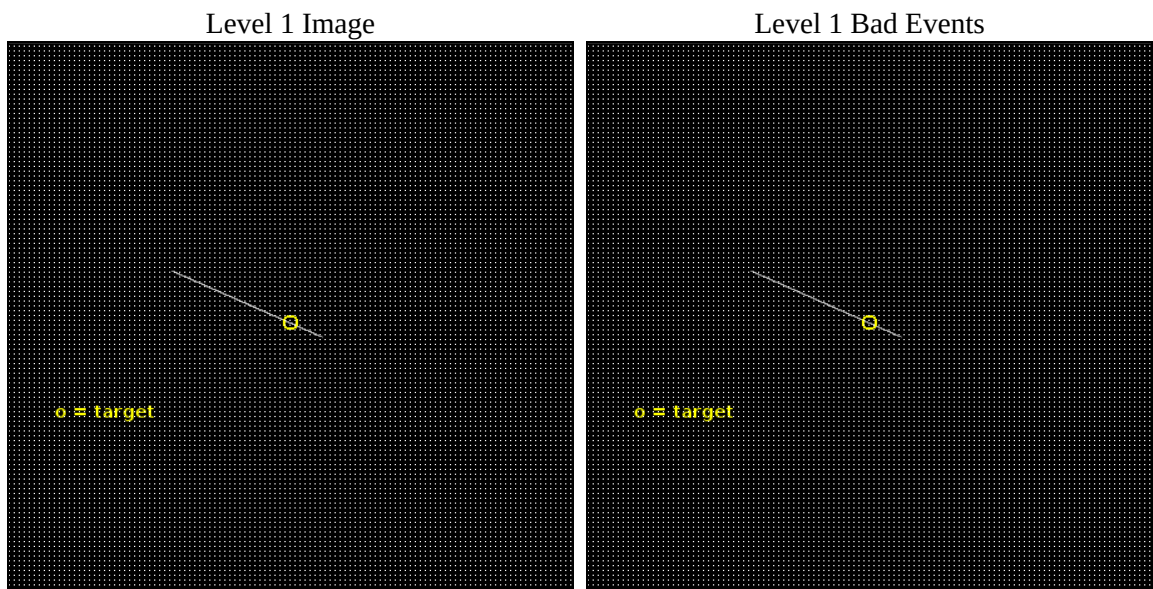
seq_num	401701	Sequence number
obs_id	17769	Observation id
title	Identifying Fermi Sources as Transitional Millisecond Pulsar Binaries	Proposal title
observer	Jules Halpern	Principal investigator
object	1RXS J083842.1-282723	Source name
ra_targ	129.680833	Observer's specified target RA [deg]
dec_targ	-28.450417	Observer's specified target Dec [deg]
ra_nom	129.68167225788	Nominal RA [deg]
dec_nom	-28.45281718764	Nominal Dec [deg]
roll_nom	204.63588798212	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30180.0	Sum of GTIs [s]
livetime	30062.109375	Livetime [s]
ontime7	30180.0	Sum of GTIs [s]
l2events	129787	Number of level 2 events



2 OBI

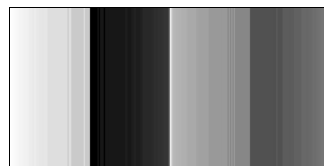
2.1 OBI

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	10.5	Processing system revision	ontime	30180.0	Sum of GTIs [s]
caldsver	4.7.2	 	ontime7	30180.0	Sum of GTIs [s]
date	2016-07-09T15:21:57	Date and time of file creation	l1events	390434	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

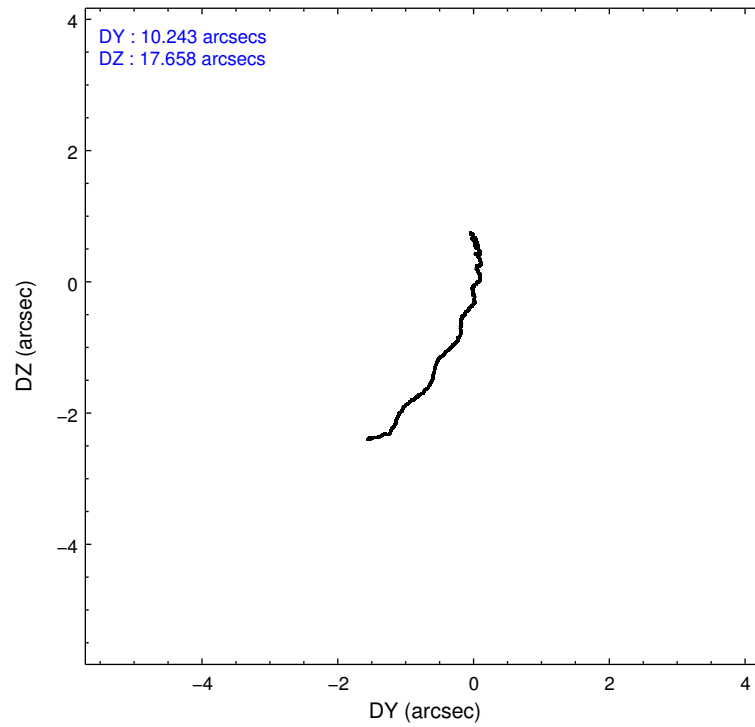
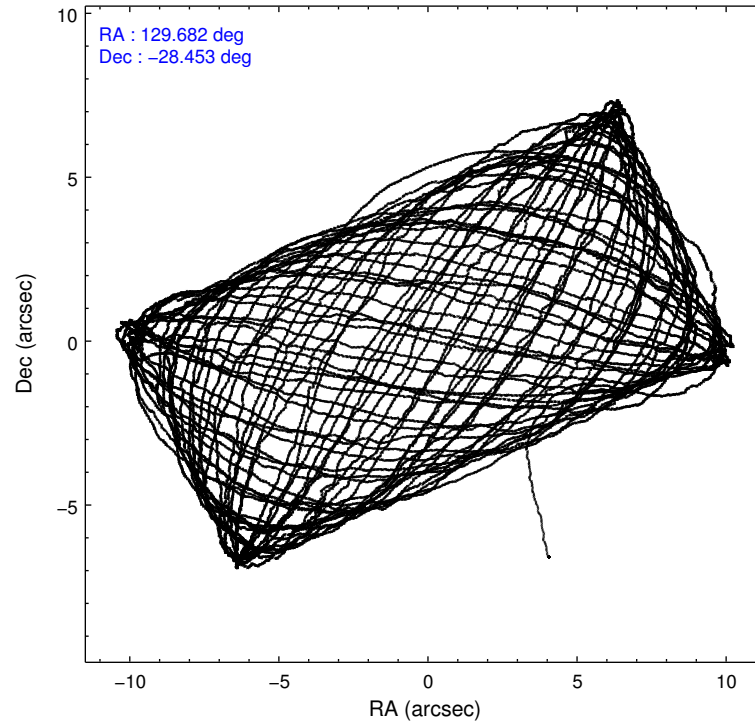
	ccd 7
level 1 events	390434
rejected events	255397
rejected %	65%

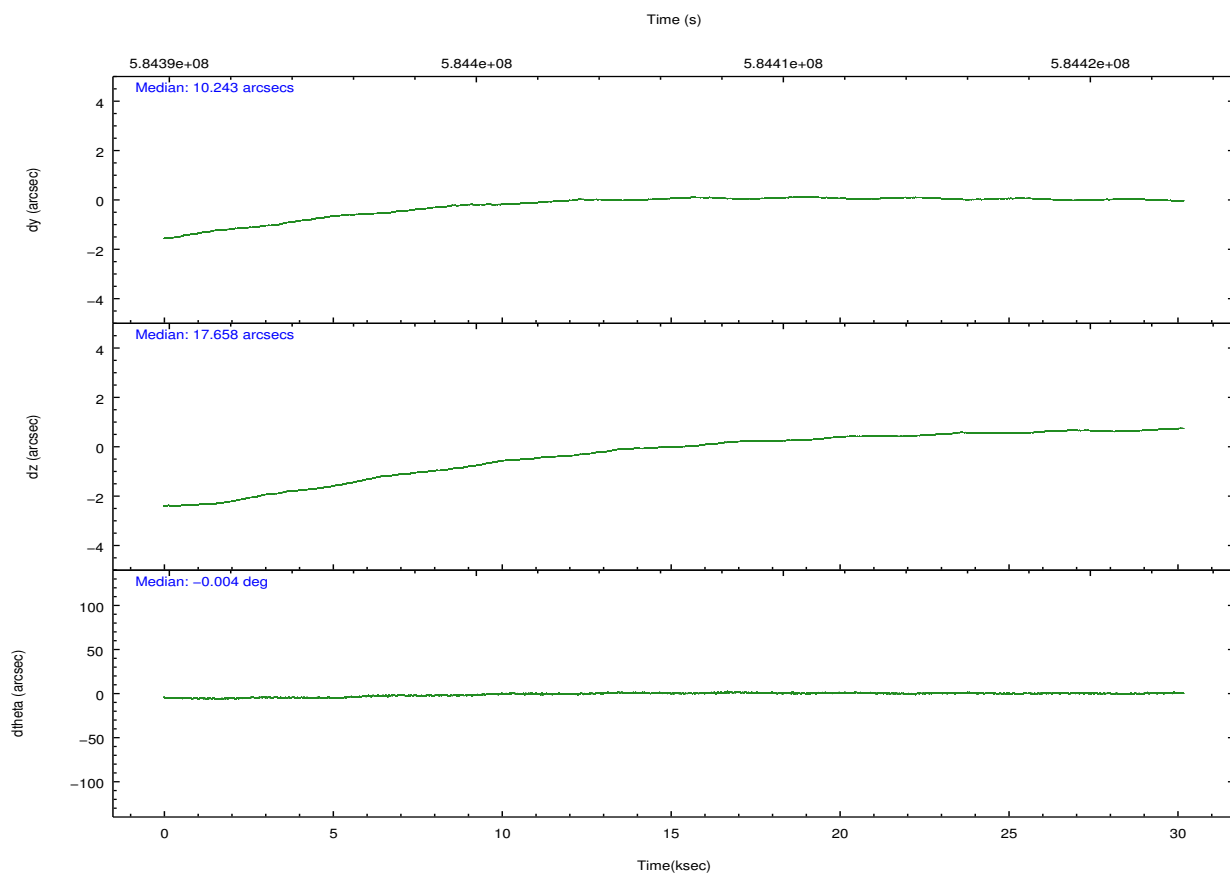
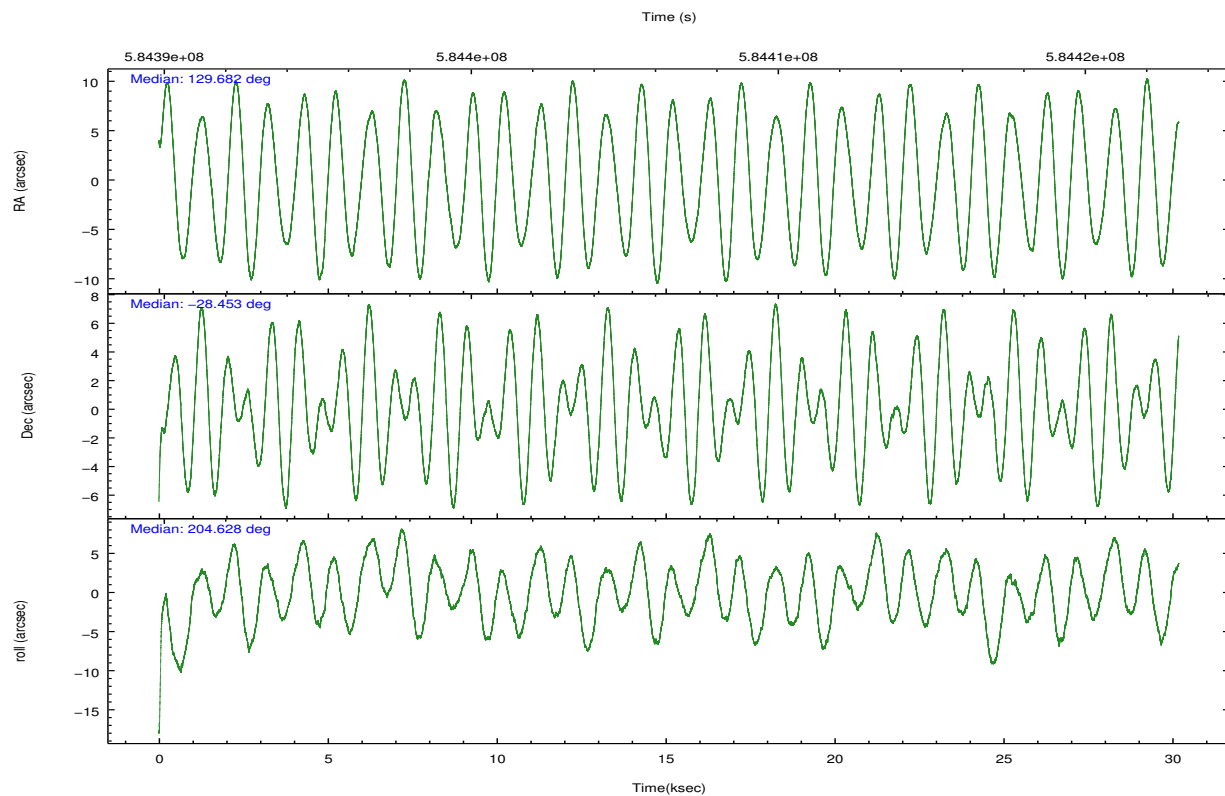
	ccd 7
grade 0 events	12067
	3%
grade 1 events	385
	0%
grade 2 events	37229
	9%
grade 3 events	7287
	1%
grade 4 events	7014
	1%
grade 5 events	23366
	5%
grade 6 events	71655
	18%
grade 7 events	231431
	59%

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	129.699388	129.6816722578816	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.430221	-28.45281718763977	Alternating exposures requested	N	N
[deg] Pointing Roll	204.487706	204.6358879821221	[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	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	584391530.184000	584390614.07379			
Observation start date	2016-07-08T18:57:42	2016-07-08T18:43:34			
[s] Observation end time (MET)	584421530.184000	584422215.8506			
Observation end date	2016-07-09T03:17:42	2016-07-09T03:30:15			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



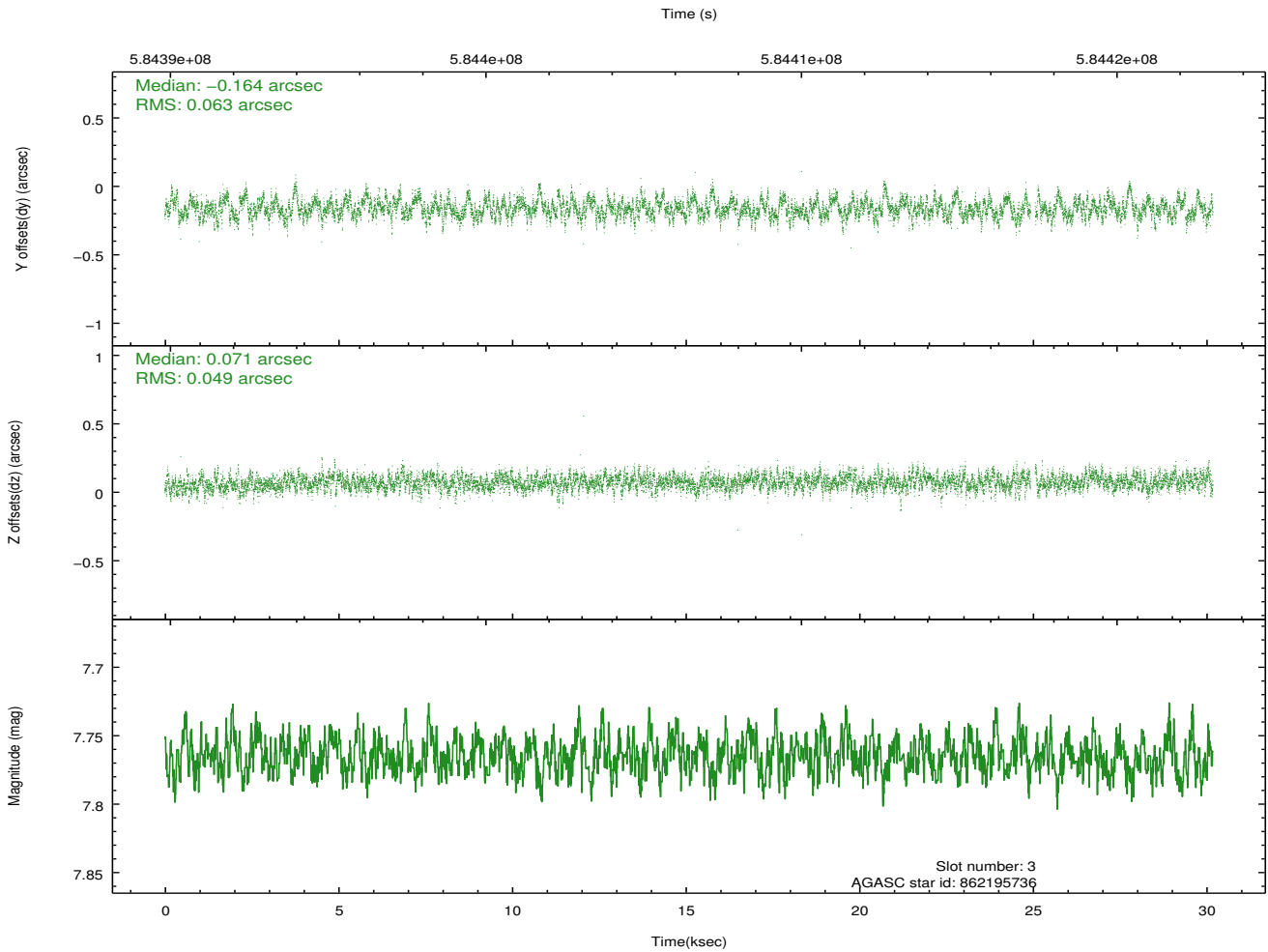
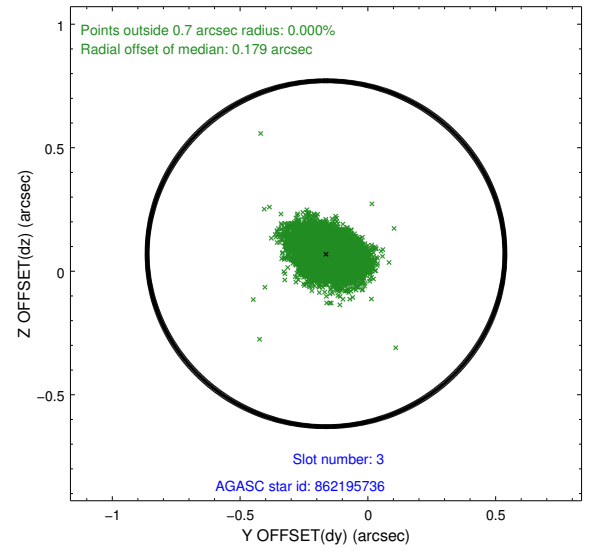
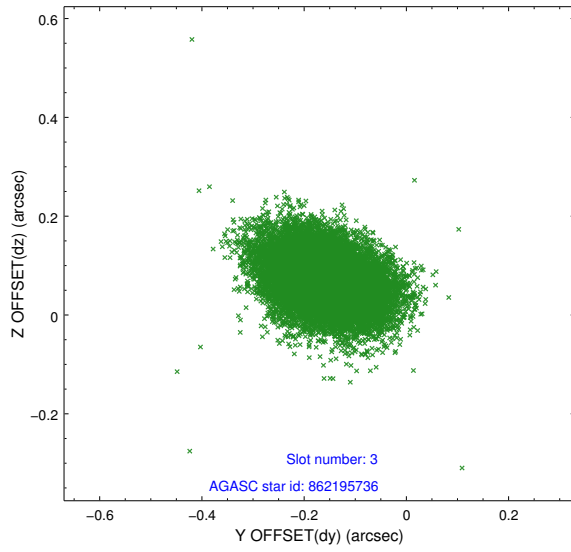


Slot Statistics

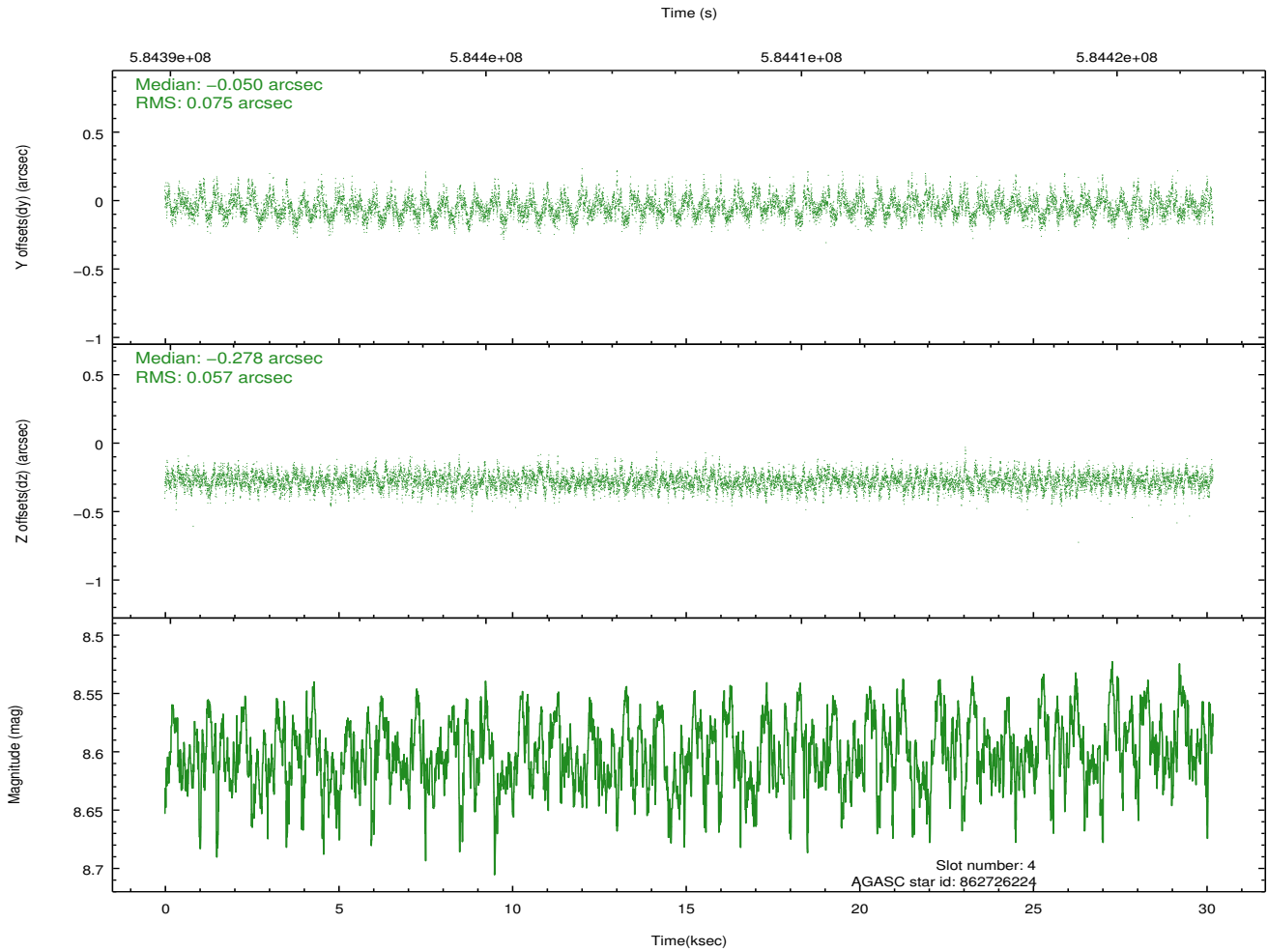
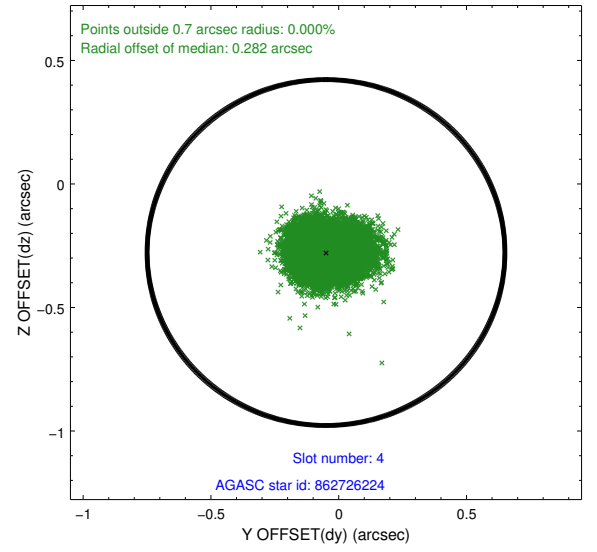
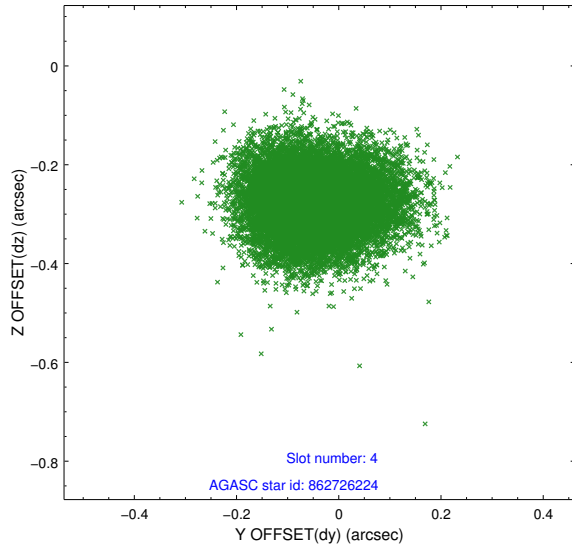
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	7362	-0.138	-0.099	0.020	0.052	0.000000	0.000000	-762.98	-1738.80
1	FID		ACIS-S-4	7.21	7362	0.366	0.091	0.009	0.015	0.000000	0.000000	2150.76	169.79
2	FID		ACIS-S-5	7.23	7359	-0.260	0.015	0.017	0.042	0.000000	0.000000	-1815.86	163.46
3	GUIDE	used	862195736	7.77	14654	-0.164	0.071	0.083	0.139	129.099294	-28.081906	1217.71	-1926.97
4	GUIDE	used	862726224	8.60	14713	-0.050	-0.278	0.101	0.163	129.106354	-28.796594	2251.70	428.97
5	GUIDE	used	862727680	7.01	14724	-0.042	0.458	0.167	0.240	128.943562	-28.478597	2252.40	-825.01
6	GUIDE	used	862850656	8.84	14709	0.171	-0.022	0.169	0.258	130.539420	-28.681565	-2035.26	1931.53
7	GUIDE	used	862856560	9.31	14704	0.061	-0.235	0.111	0.183	130.204766	-28.808636	-884.85	1903.63

2.4 Star Slots

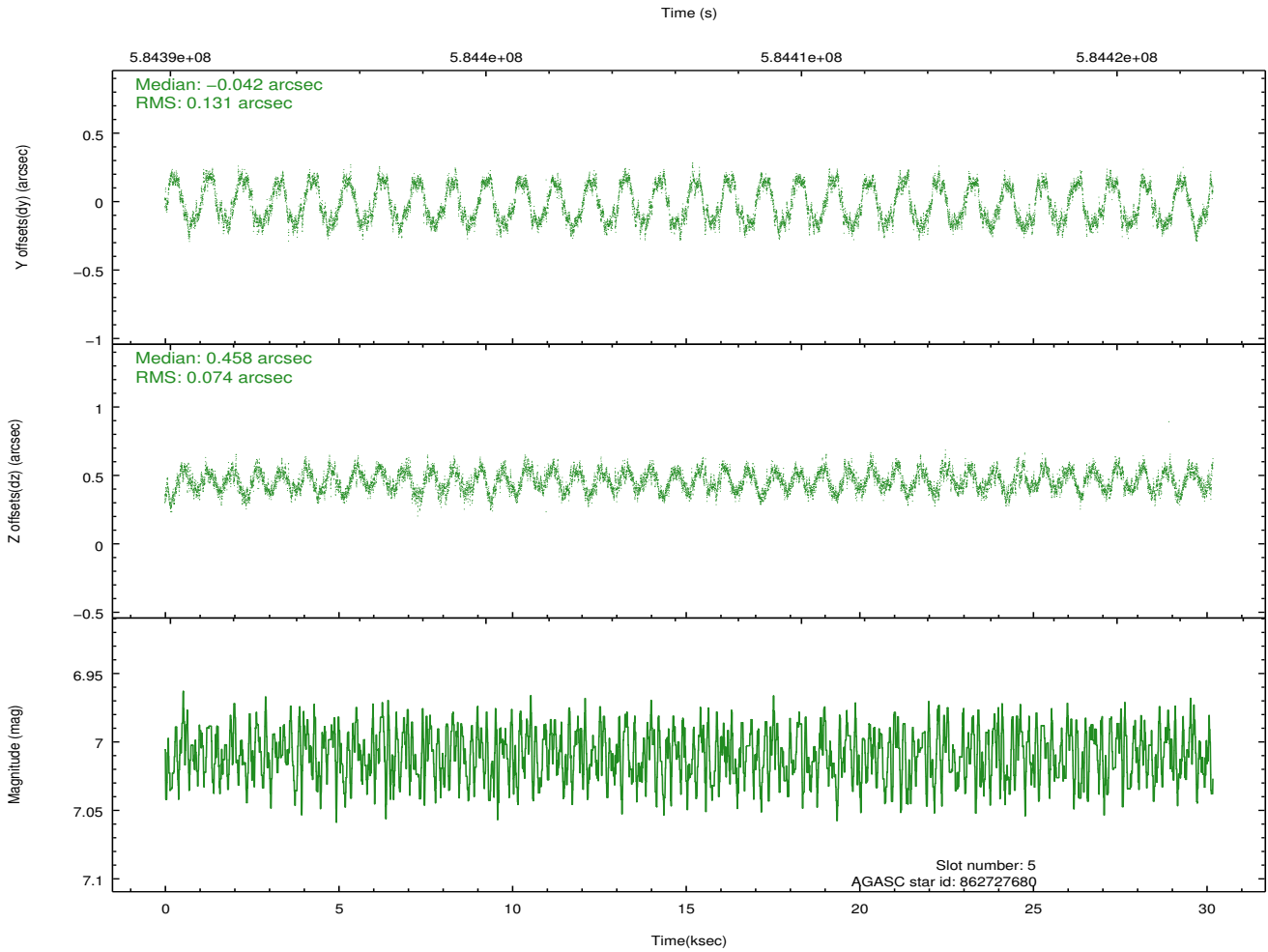
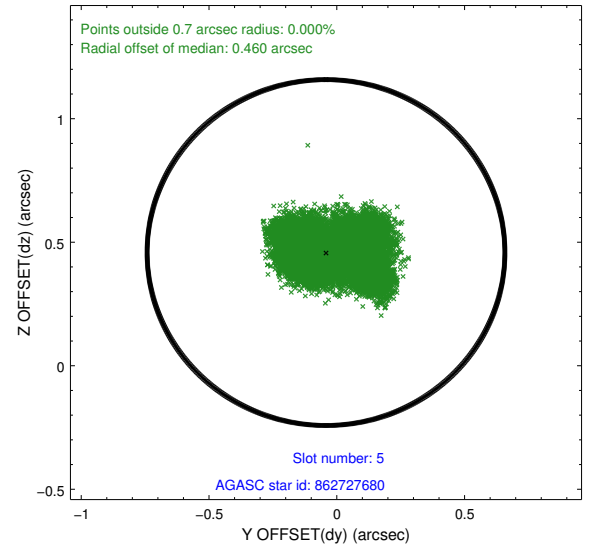
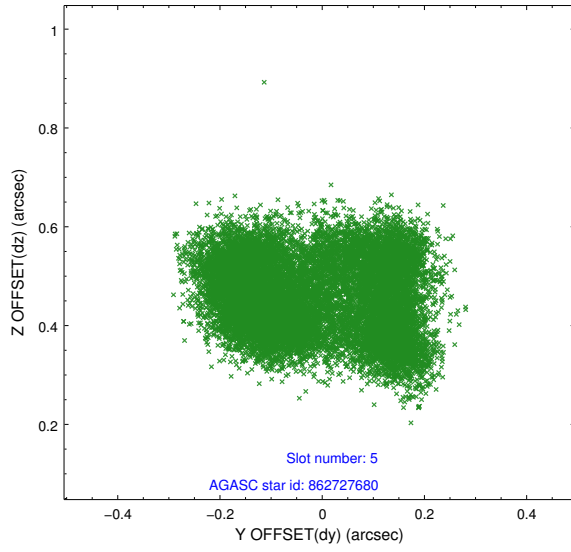
2.4.1 Slot 3



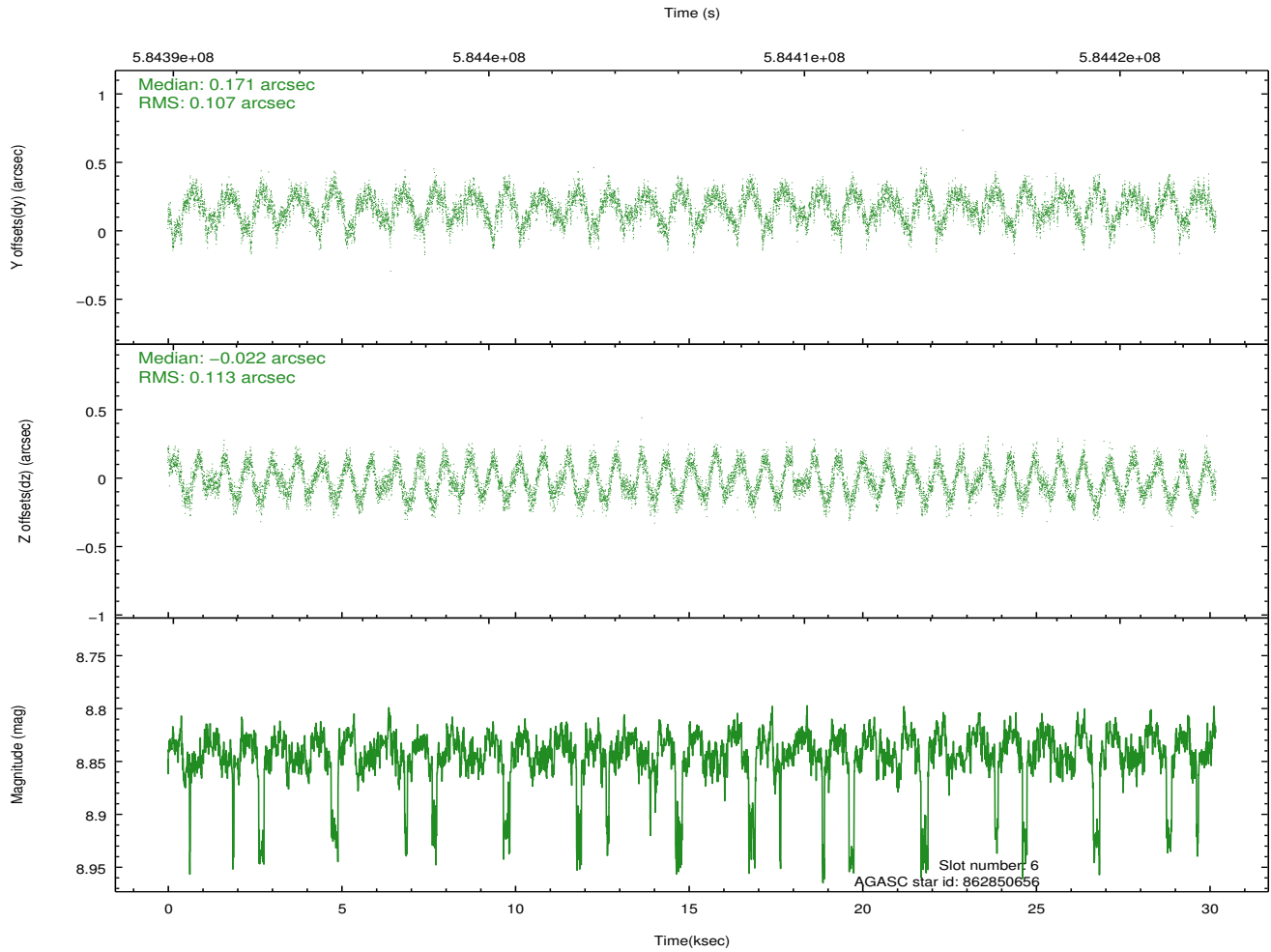
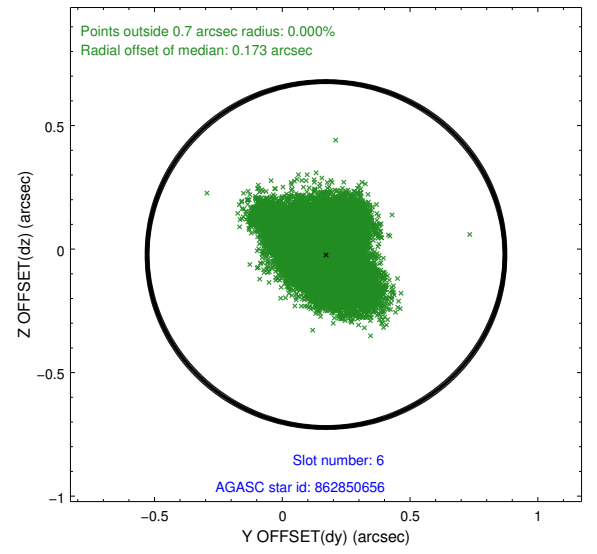
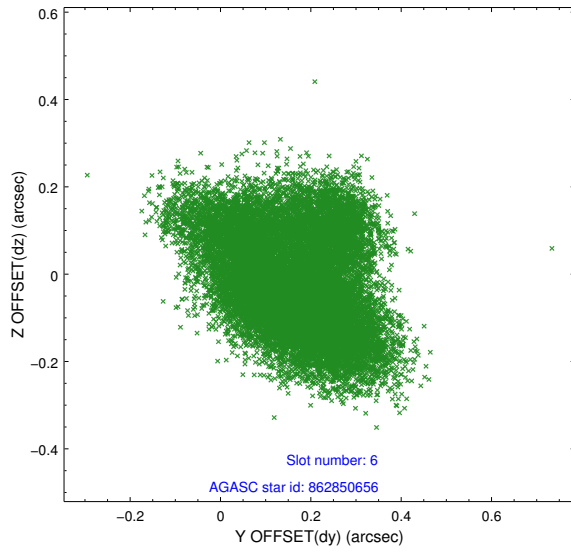
2.4.2 Slot 4



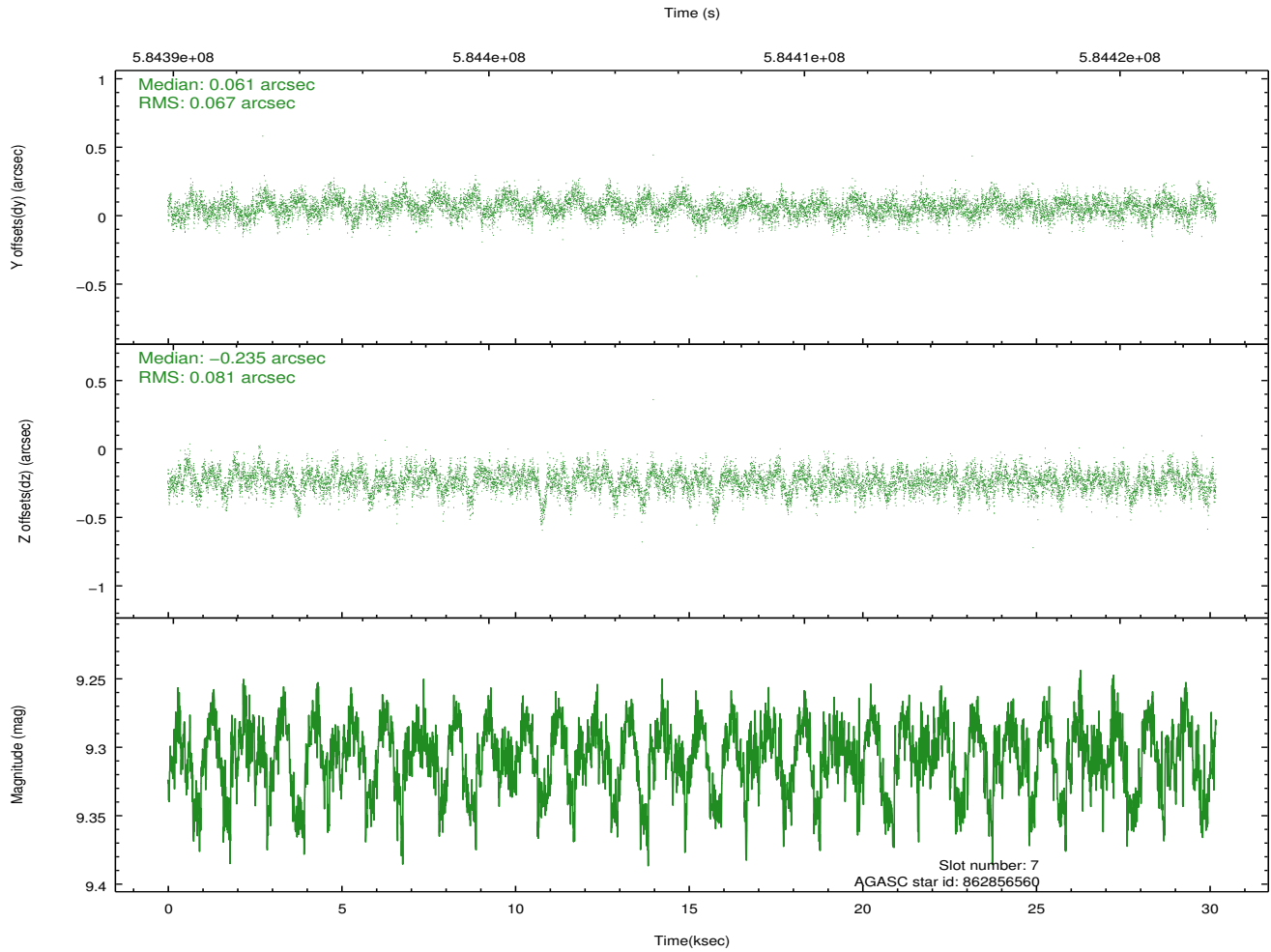
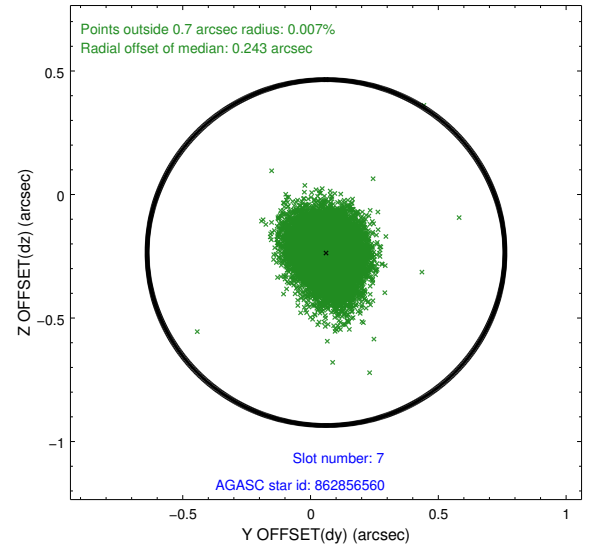
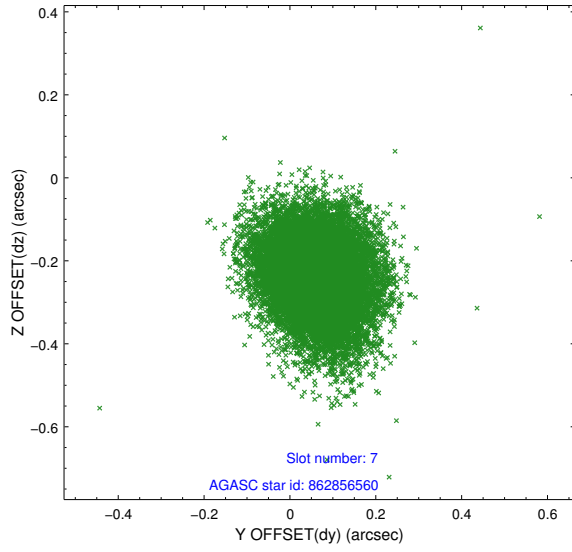
2.4.3 Slot 5



2.4.4 Slot 6

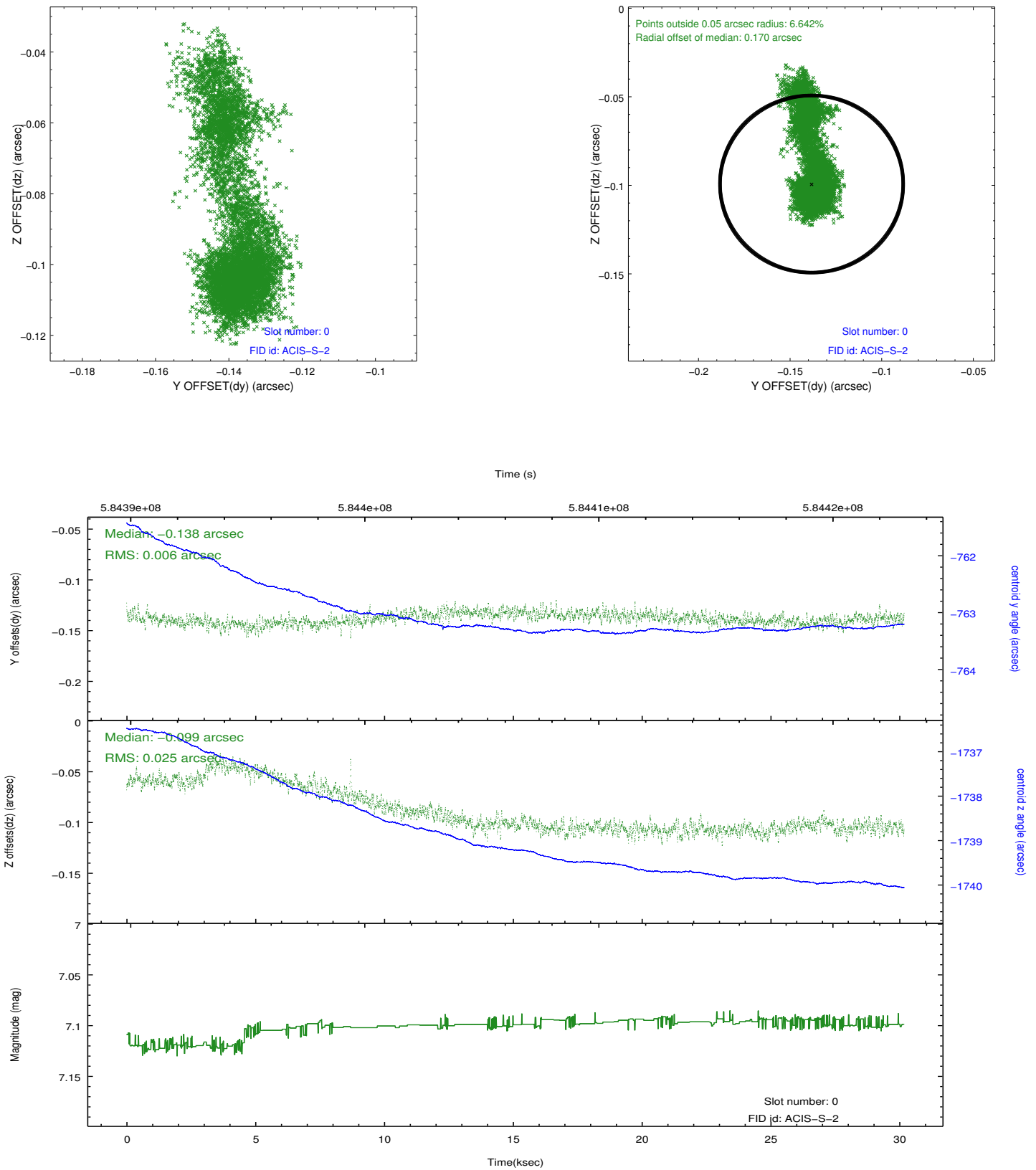


2.4.5 Slot 7

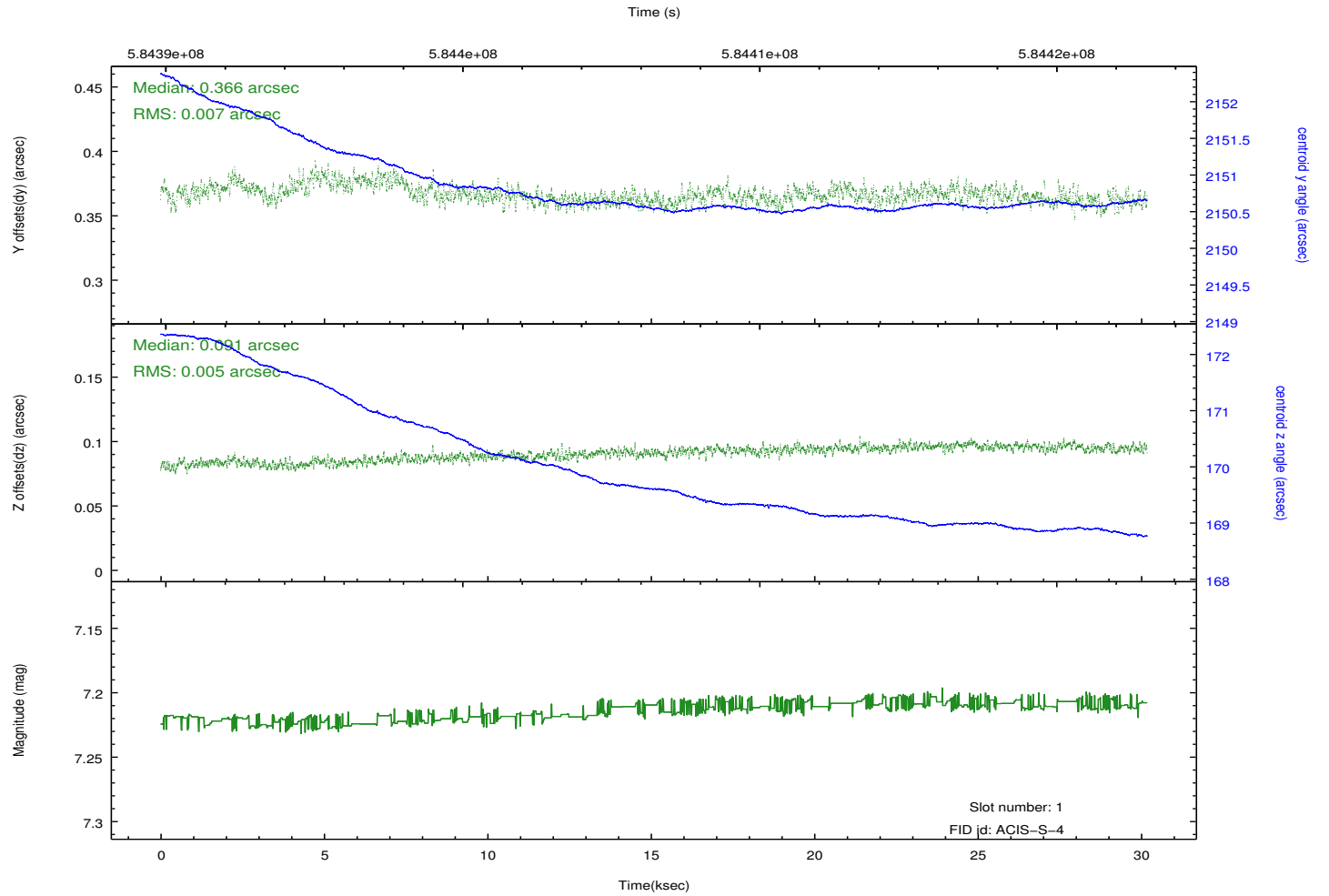
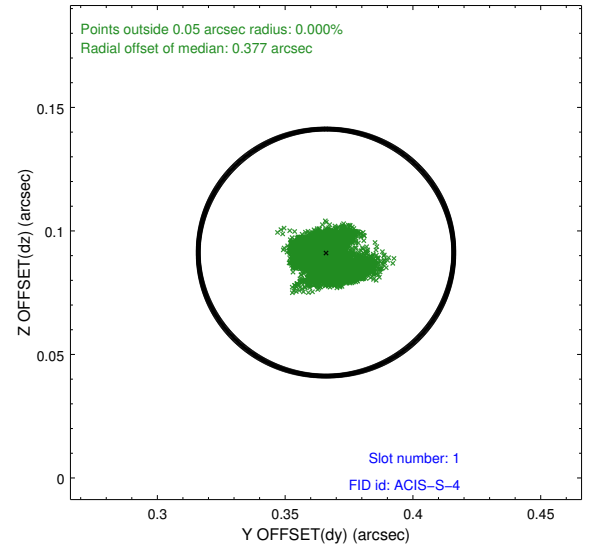
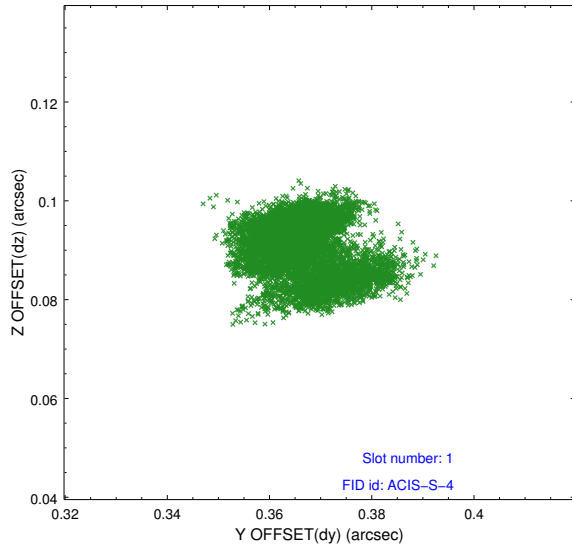


2.5 FID Slots

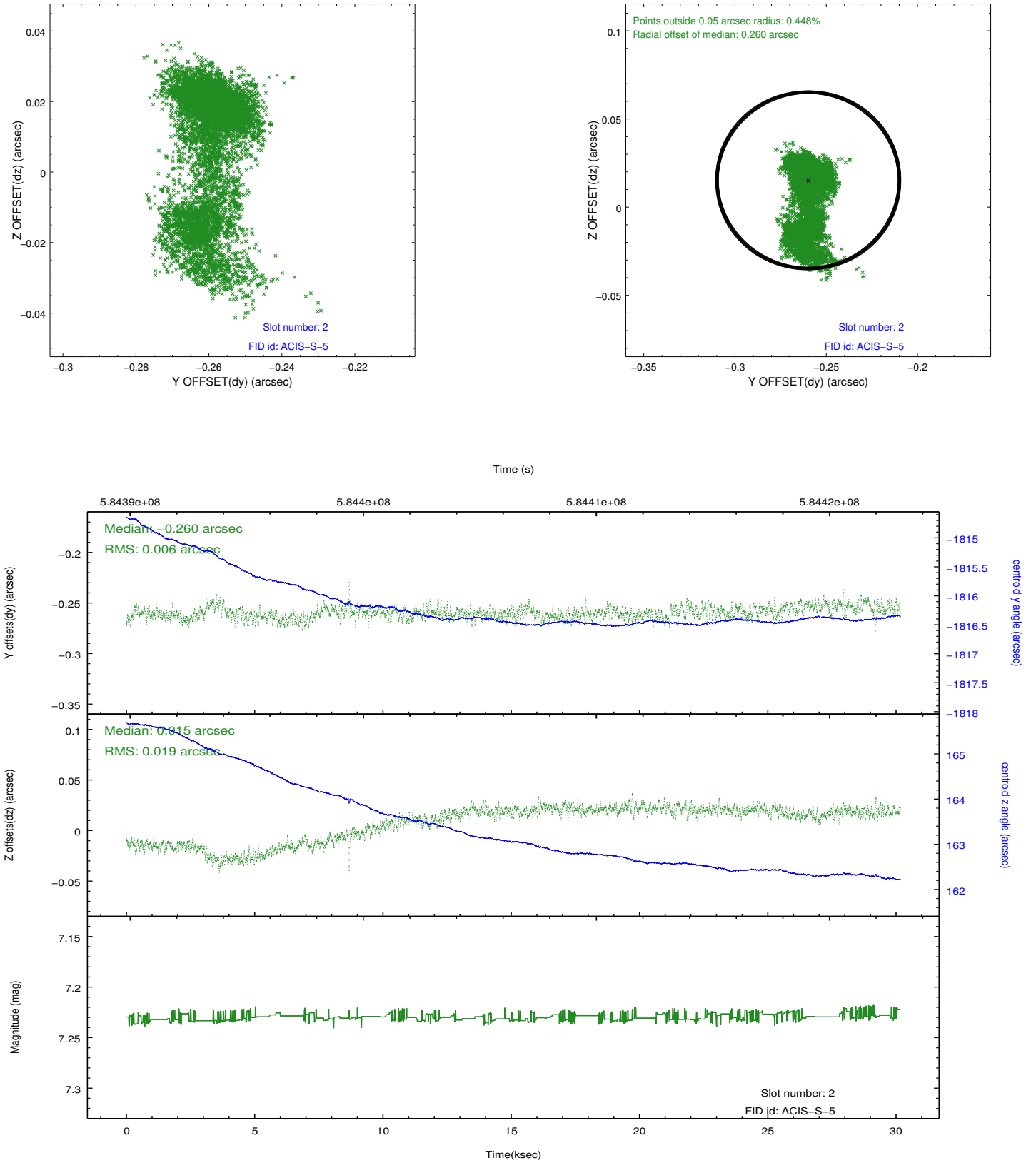
2.5.1 Slot 0



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)	2016.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.18

A.2 Comments