

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18878 - L2 Version 1
Chandra X-Ray Center

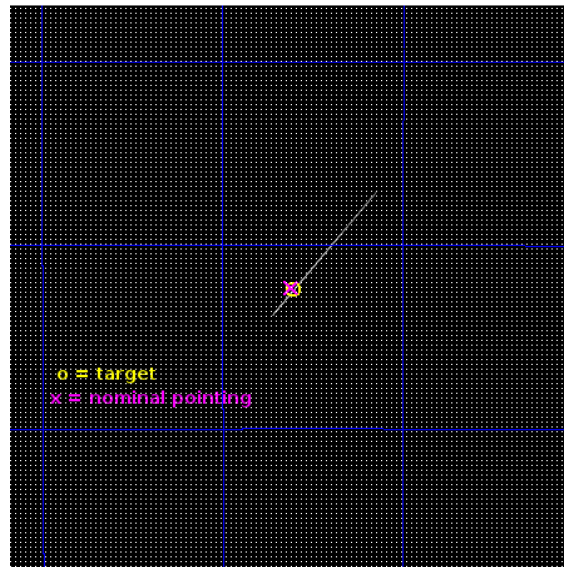
L2 Processing Date : Jun 26 2016

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1 Front

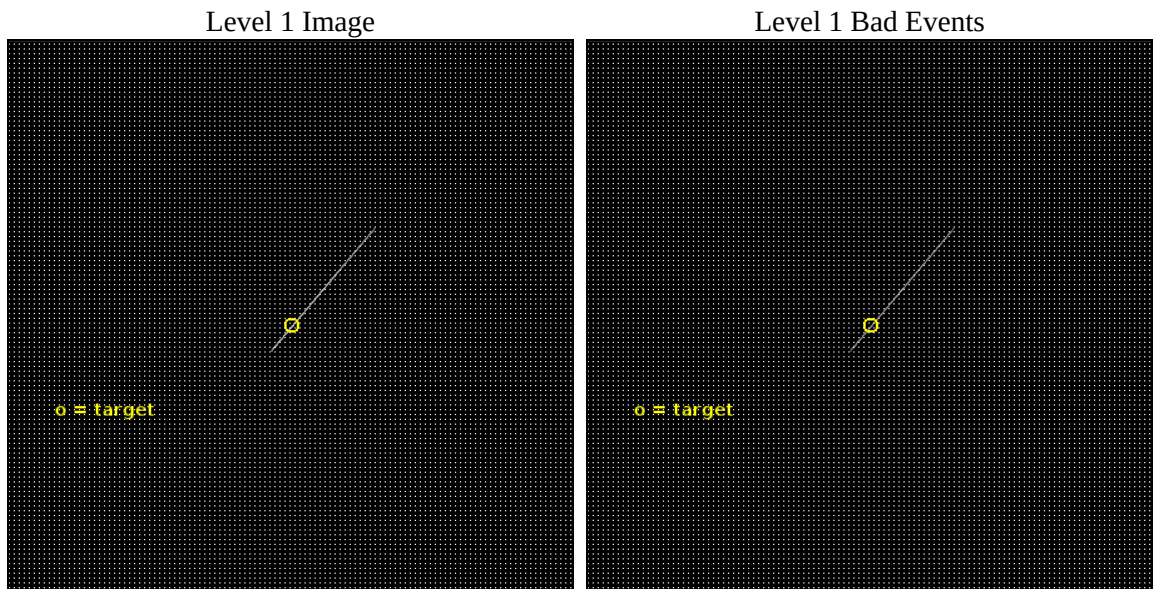
seq_num	502664	Sequence number
obs_id	18878	Observation id
title	An outburst of the CCO 1E161348-5055: an accreting neutron star or a peculiar binary magnetar?	Proposal title
observer	Nanda Rea	Principal investigator
object	1E161348-5055	Source name
ra_targ	244.400833	Observer's specified target RA [deg]
dec_targ	-51.040167	Observer's specified target Dec [deg]
ra_nom	244.40425323392	Nominal RA [deg]
dec_nom	-51.038870224356	Nominal Dec [deg]
roll_nom	308.94311889158	Nominal Roll [deg]
revision	1	Processing version of data
ontime	44185.5	Sum of GTIs [s]
livetime	44012.900390625	Livetime [s]
ontime7	44185.5	Sum of GTIs [s]
l2events	904881	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	44000.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	44185.5	Sum of GTIs [s]
caldsver	4.7.2	 	ontime7	44185.5	Sum of GTIs [s]
date	2016-06-26T06:36:43	Date and time of file creation	l1events	1335125	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

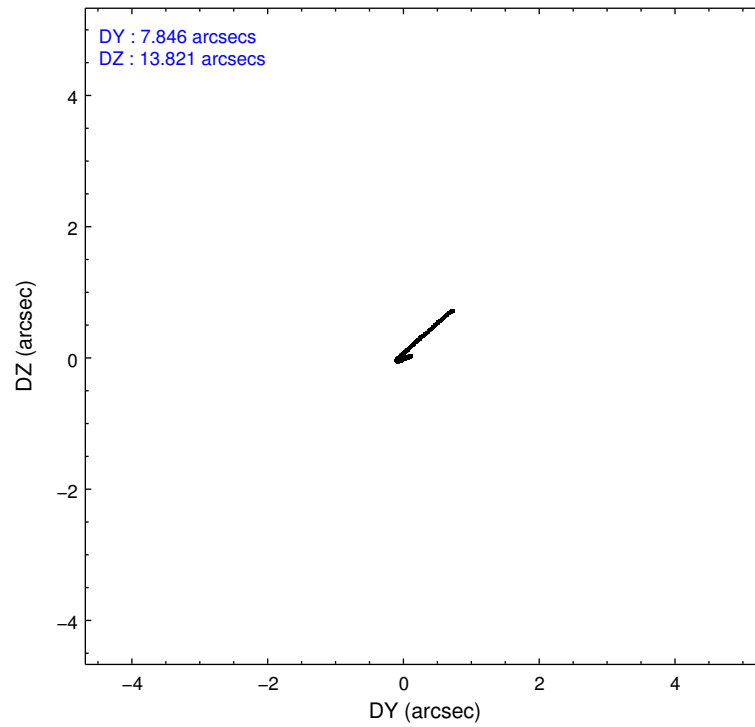
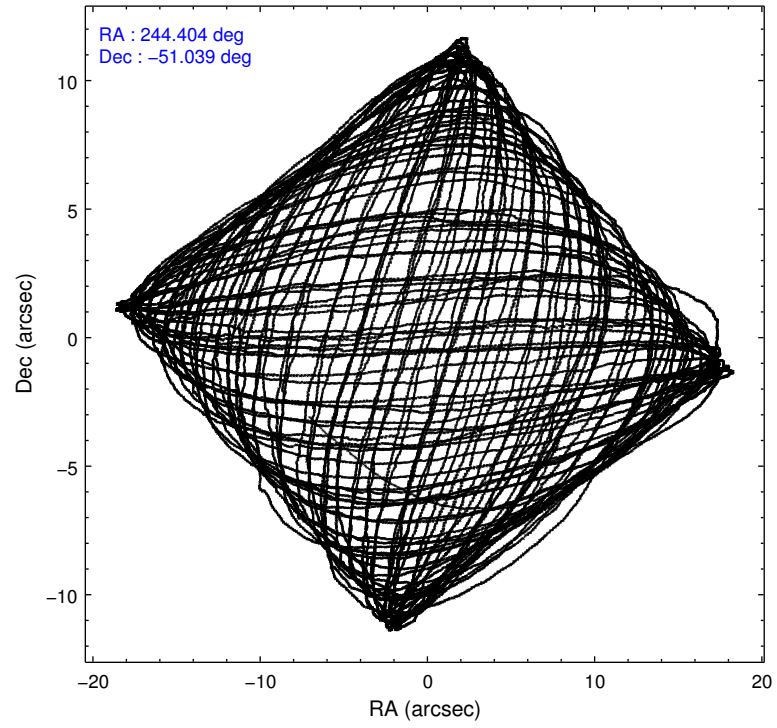
	ccd 7
level 1 events	1335125
rejected events	409526
rejected %	30%

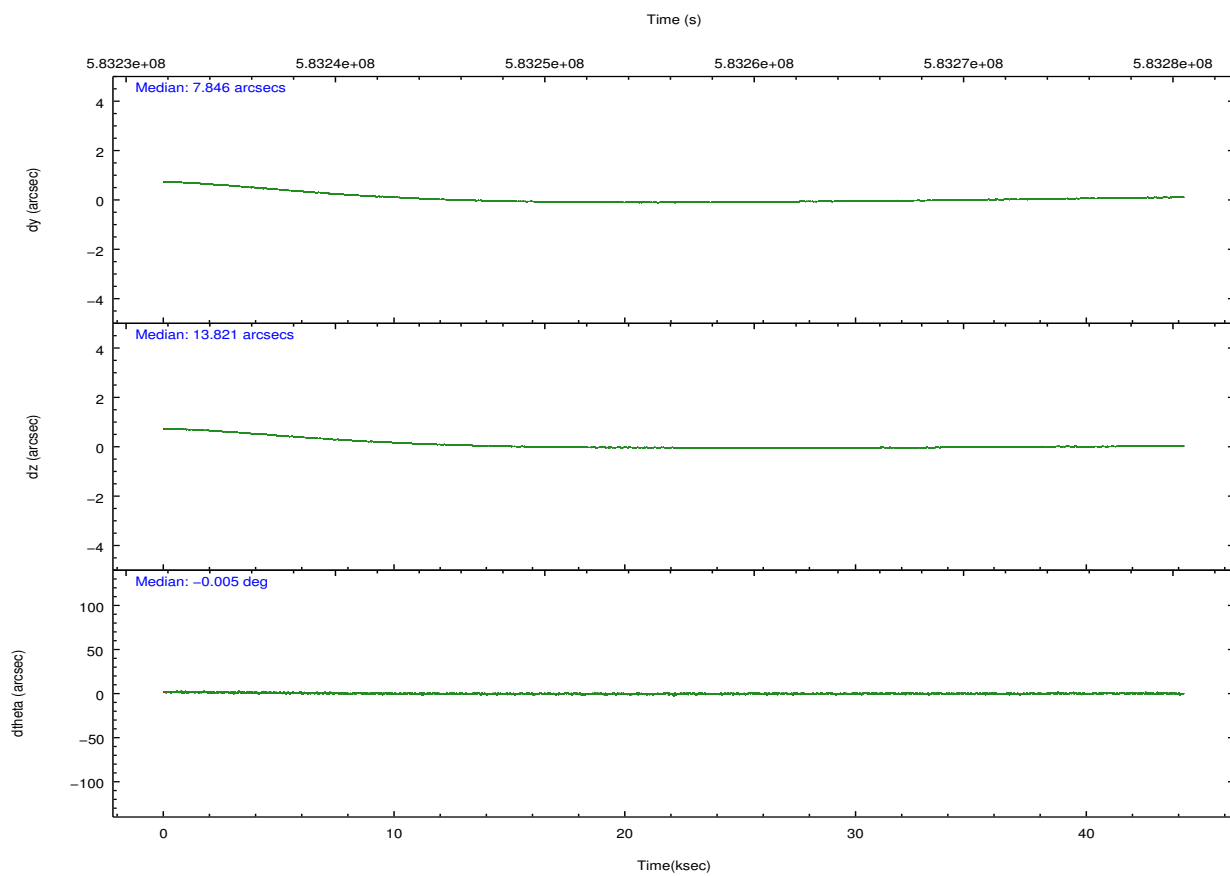
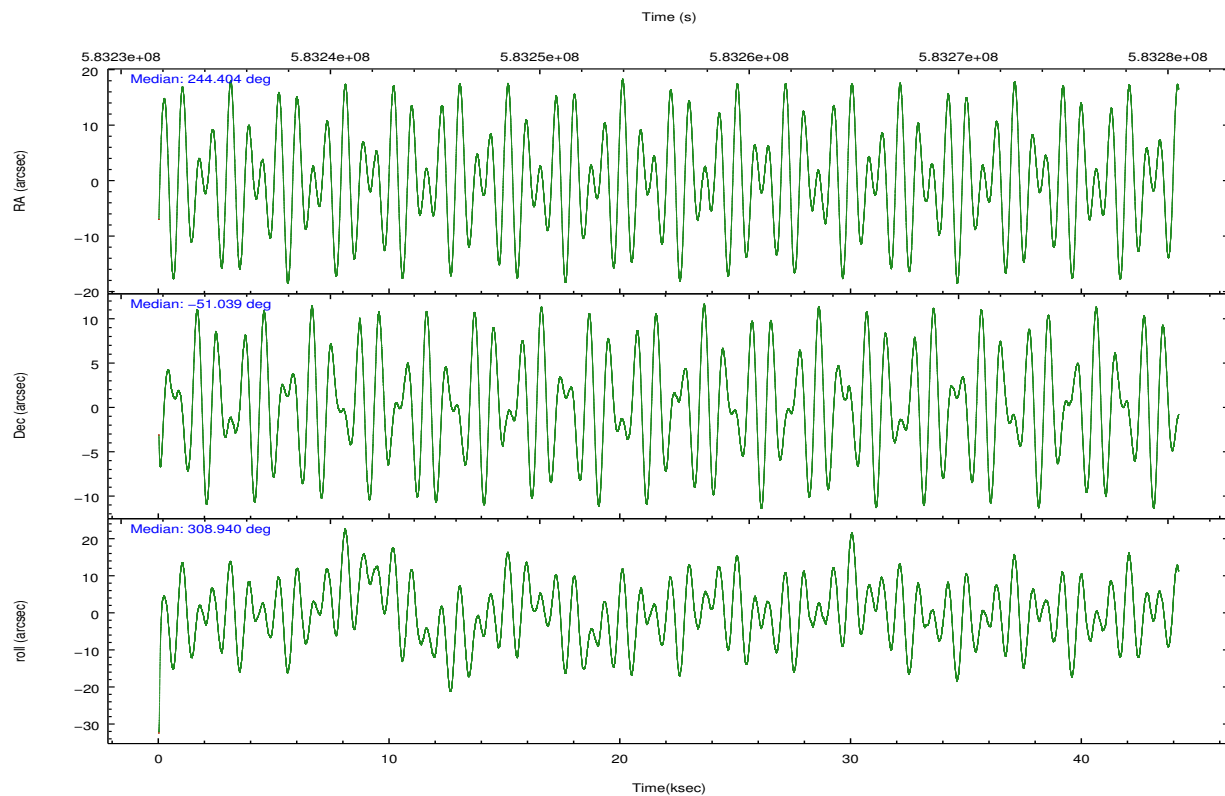
	ccd 7
grade 0 events	176999
	13%
grade 1 events	748
	0%
grade 2 events	314183
	23%
grade 3 events	77307
	5%
grade 4 events	75578
	5%
grade 5 events	43416
	3%
grade 6 events	282450
	21%
grade 7 events	364444
	27%

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	244.363300	244.4042532339151	Subarray requested	NONE	NONE
[deg] Pointing Dec	-51.029340	-51.03887022435649	Alternating exposures requested	N	N
[deg] Pointing Roll	308.754653	308.943118891577	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	583234268.184000	583233607.84492			
Observation start date	2016-06-25T09:30:00	2016-06-25T09:20:07			
[s] Observation end time (MET)	583278268.184000	583278831.36002			
Observation end date	2016-06-25T21:43:20	2016-06-25T21:53:51			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



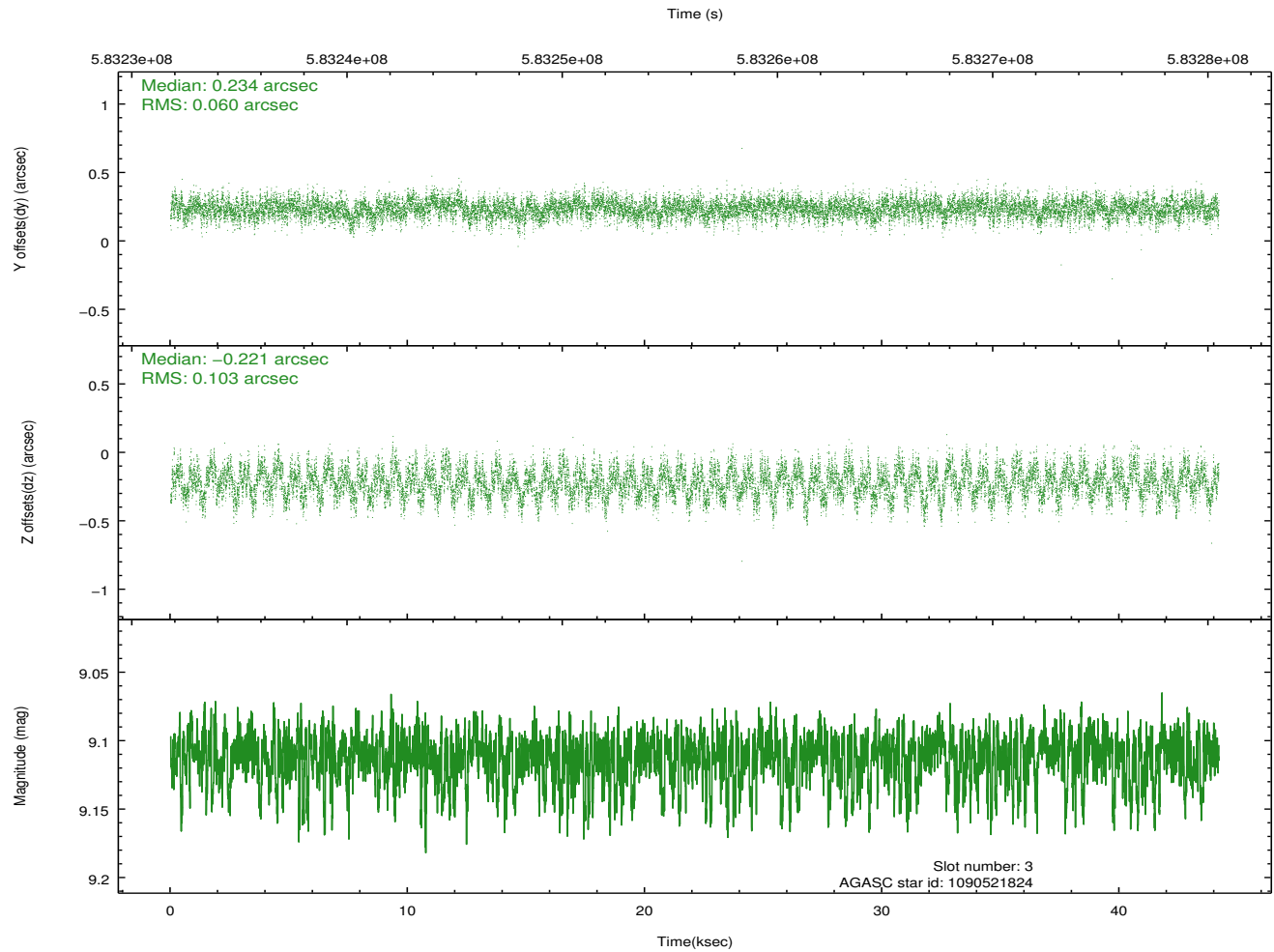
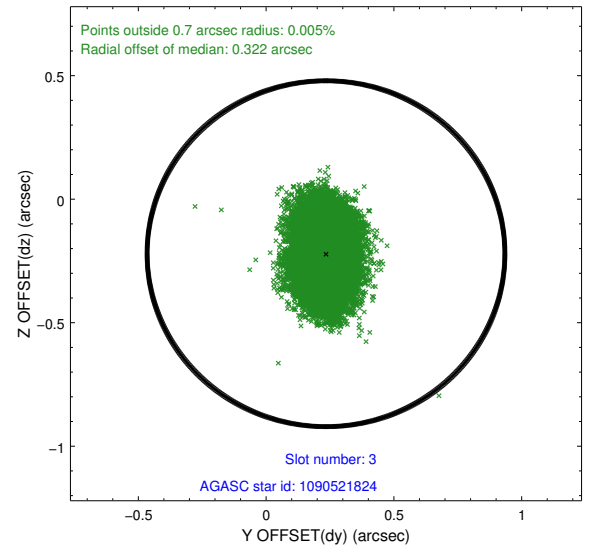
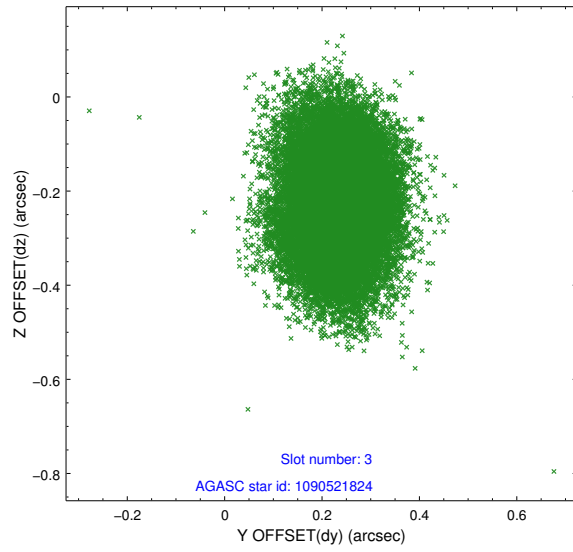


Slot Statistics

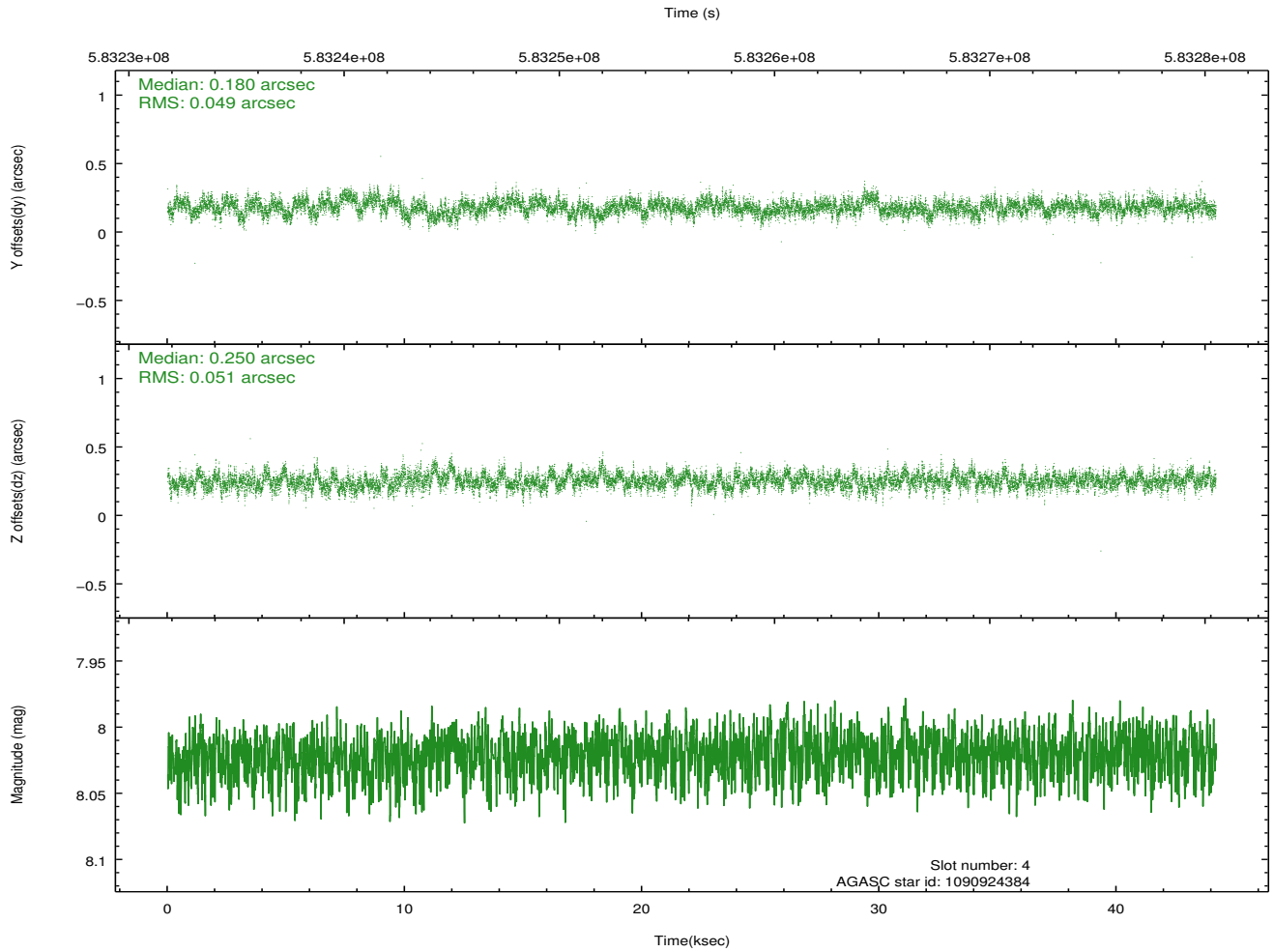
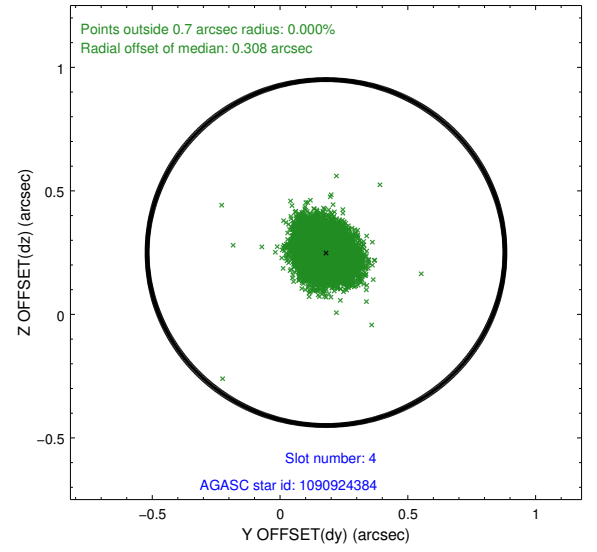
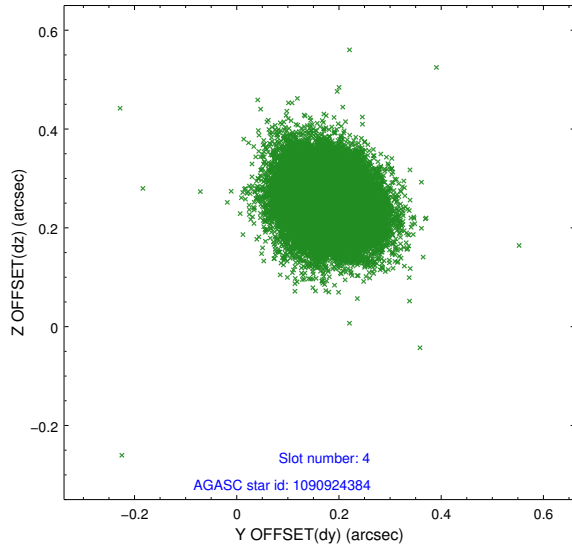
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.21	10778	0.111	0.041	0.008	0.013	0.000000	0.000000	935.43	-1730.87
1	FID		ACIS-S-2	7.13	10779	-0.157	-0.055	0.007	0.012	0.000000	0.000000	-760.74	-1735.50
2	FID		ACIS-S-6	7.37	10779	0.026	0.019	0.007	0.012	0.000000	0.000000	401.03	810.45
3	GUIDE	used	1090521824	9.11	21534	0.234	-0.221	0.127	0.205	244.711253	-50.470098	-1069.13	1880.66
4	GUIDE	used	1090924384	8.02	21554	0.180	0.250	0.074	0.123	243.330505	-50.934017	-1721.46	-1623.05
5	GUIDE	used	1091057912	9.11	21539	-0.145	-0.159	0.095	0.158	245.642757	-51.112070	2061.89	2052.35
6	GUIDE	used	1091059112	9.06	21534	-0.359	-0.115	0.123	0.211	245.180420	-50.736664	351.59	2104.72
7	GUIDE	used	1090922592	8.64	21547	0.090	0.235	0.081	0.132	243.541382	-50.784876	-1842.96	-918.41

2.4 Star Slots

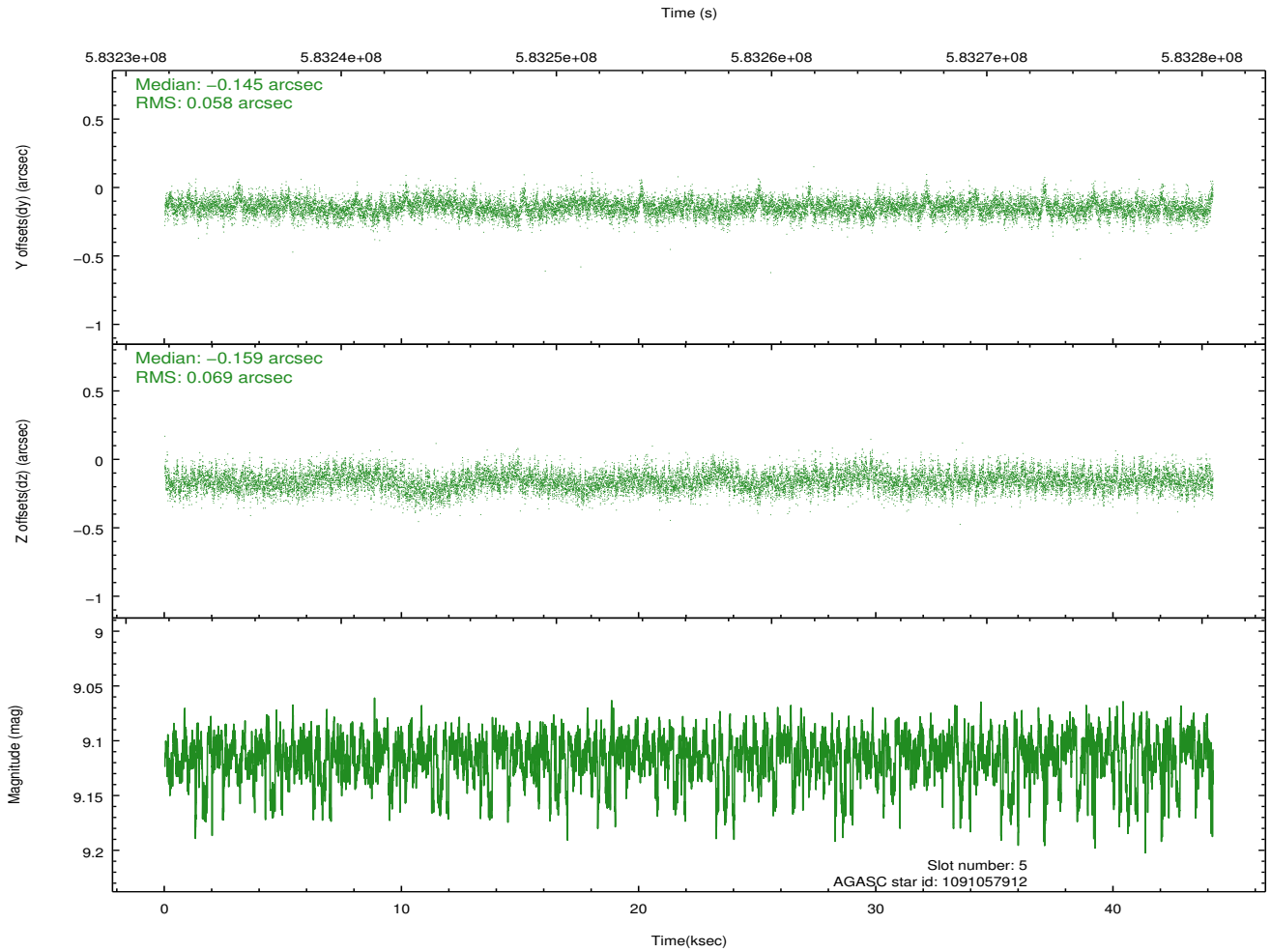
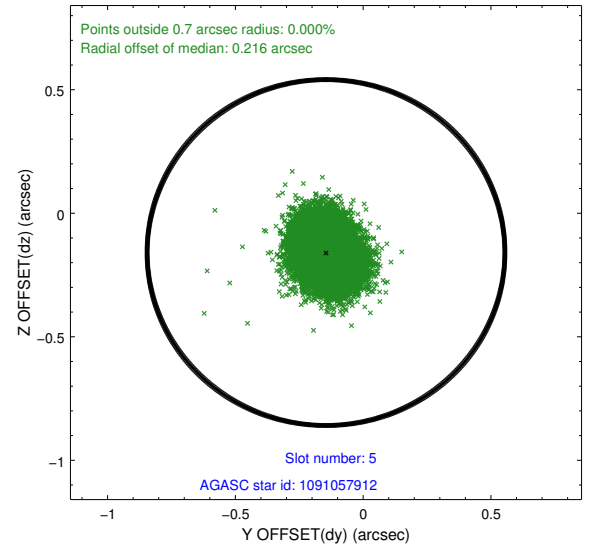
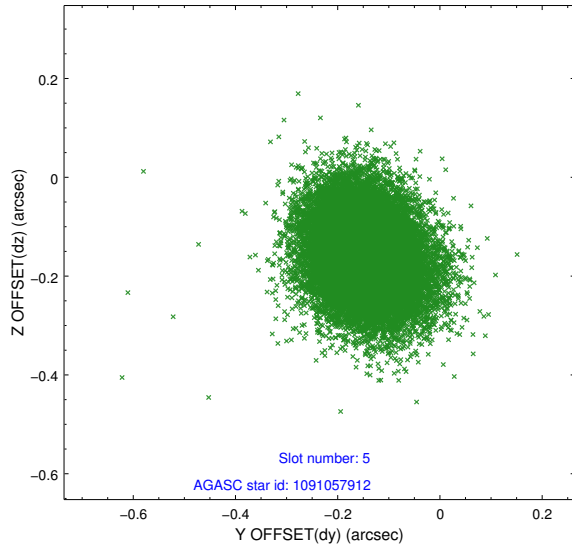
2.4.1 Slot 3



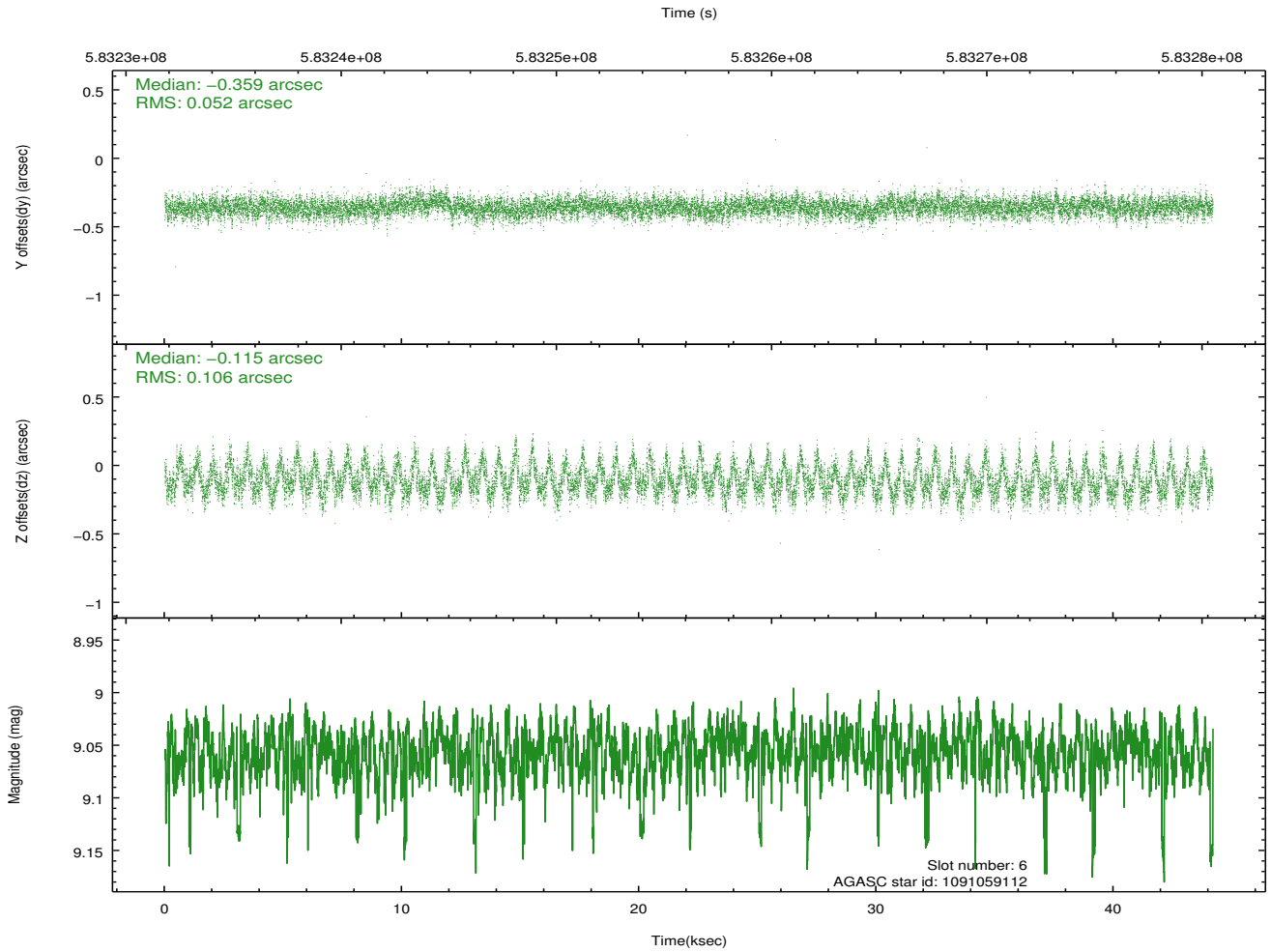
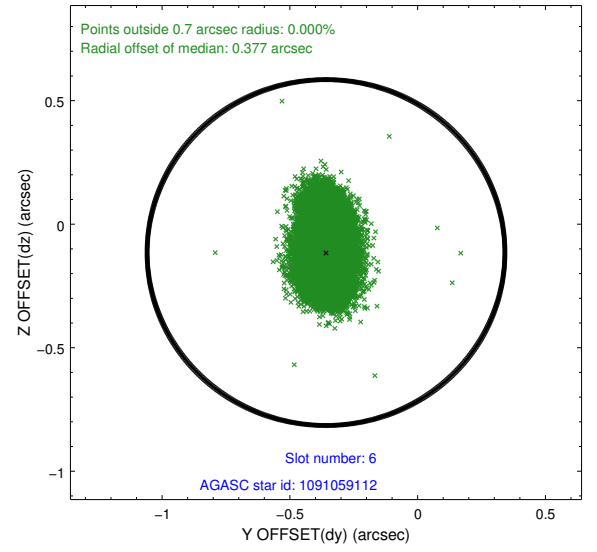
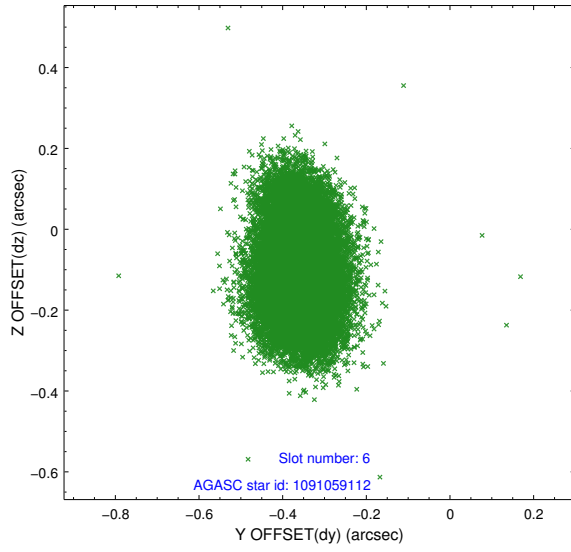
2.4.2 Slot 4



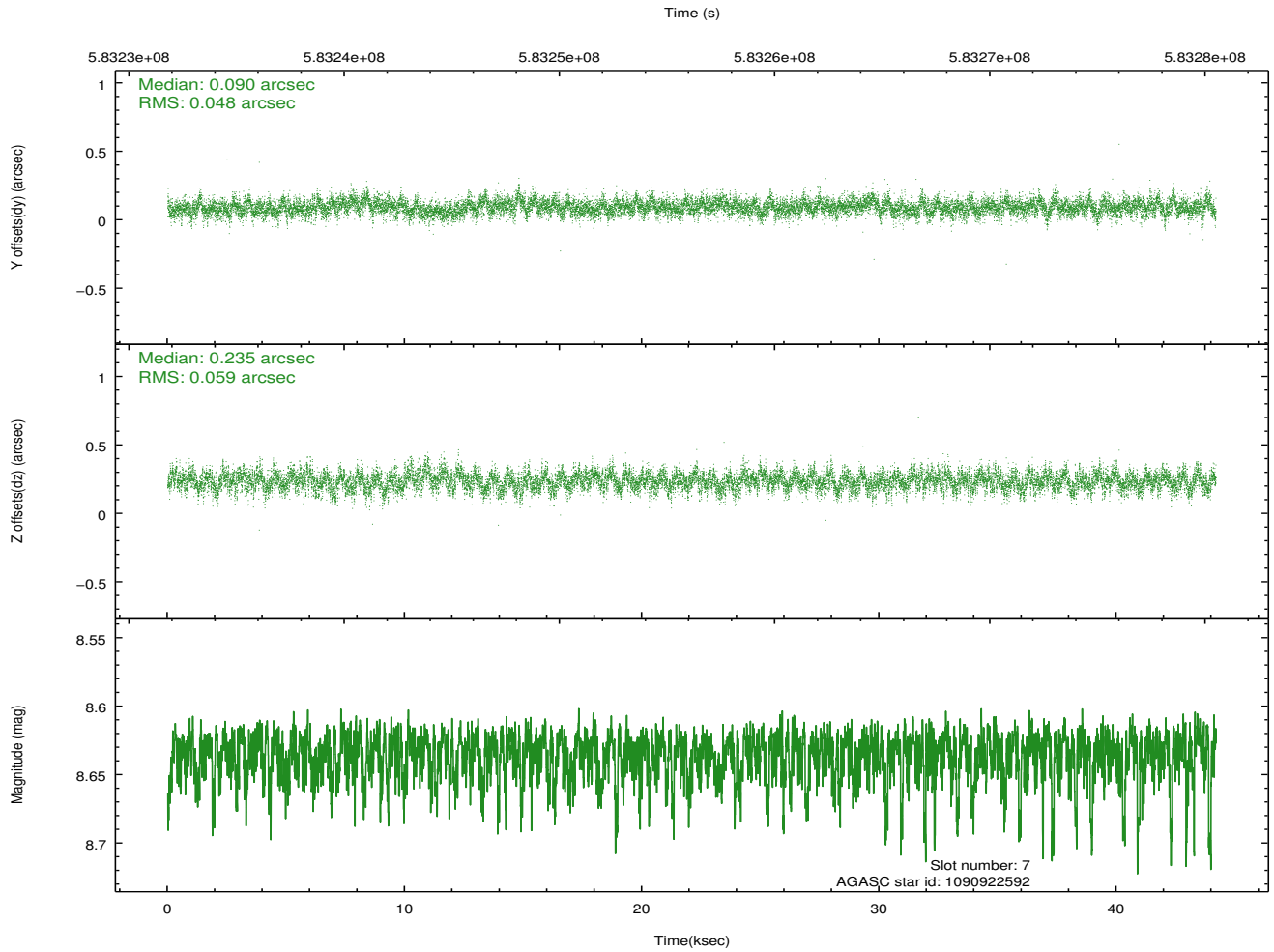
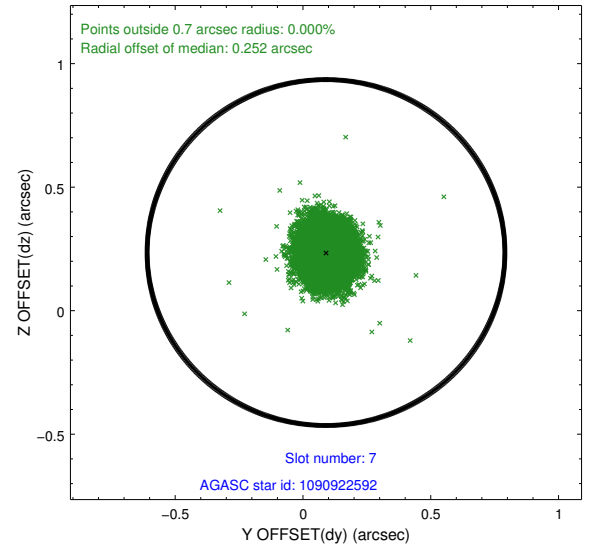
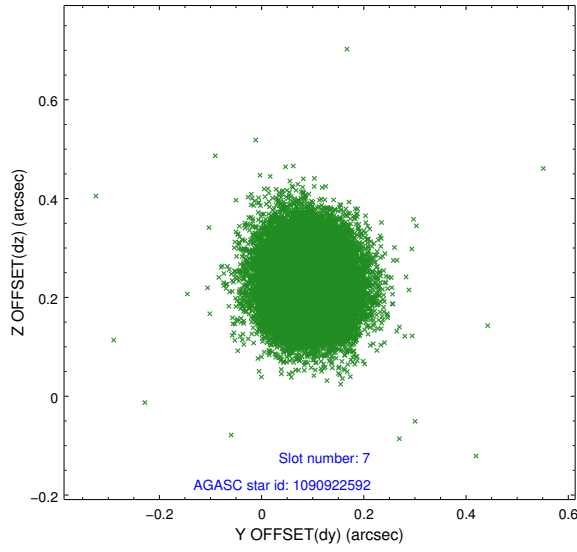
2.4.3 Slot 5



2.4.4 Slot 6

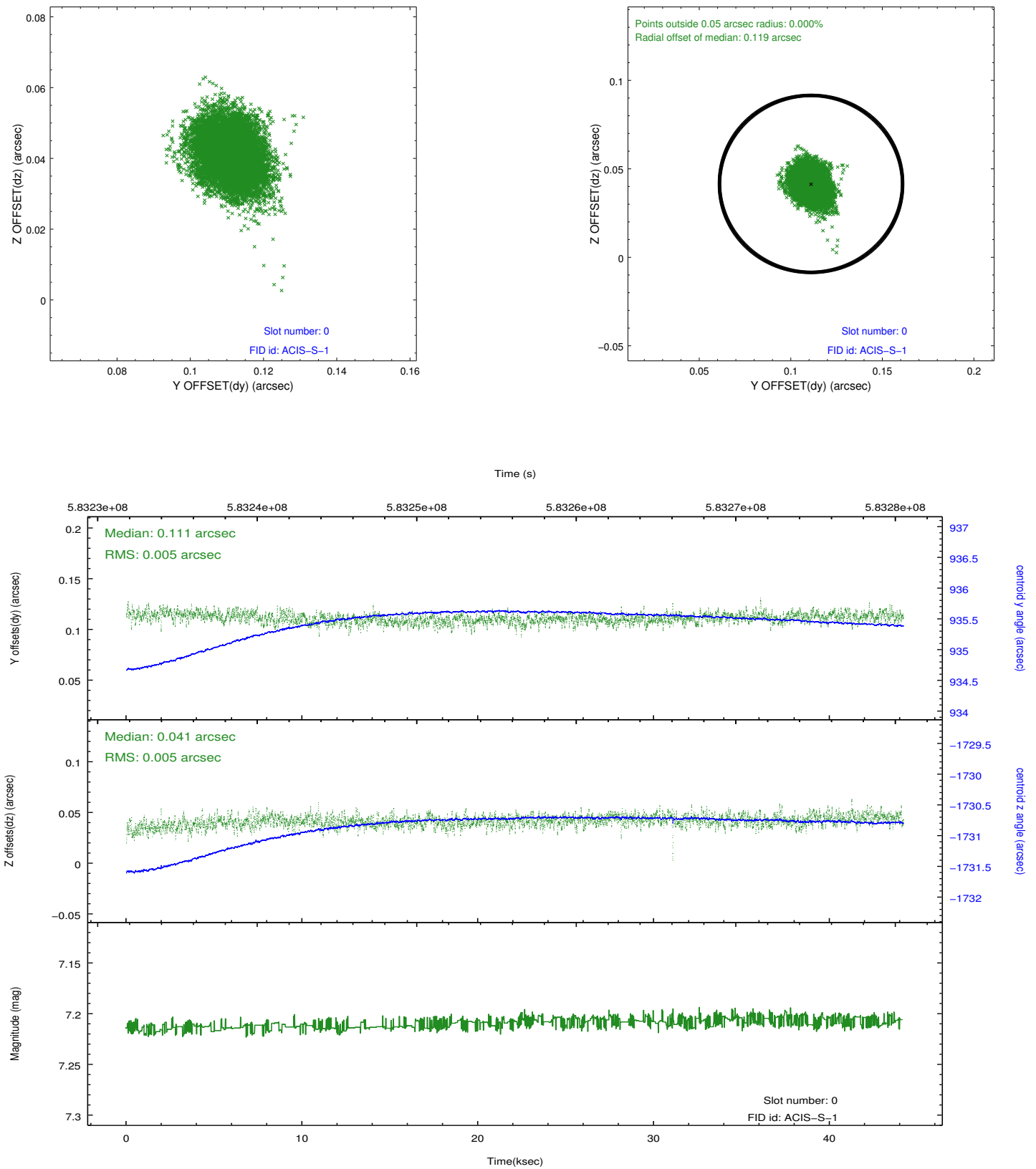


2.4.5 Slot 7

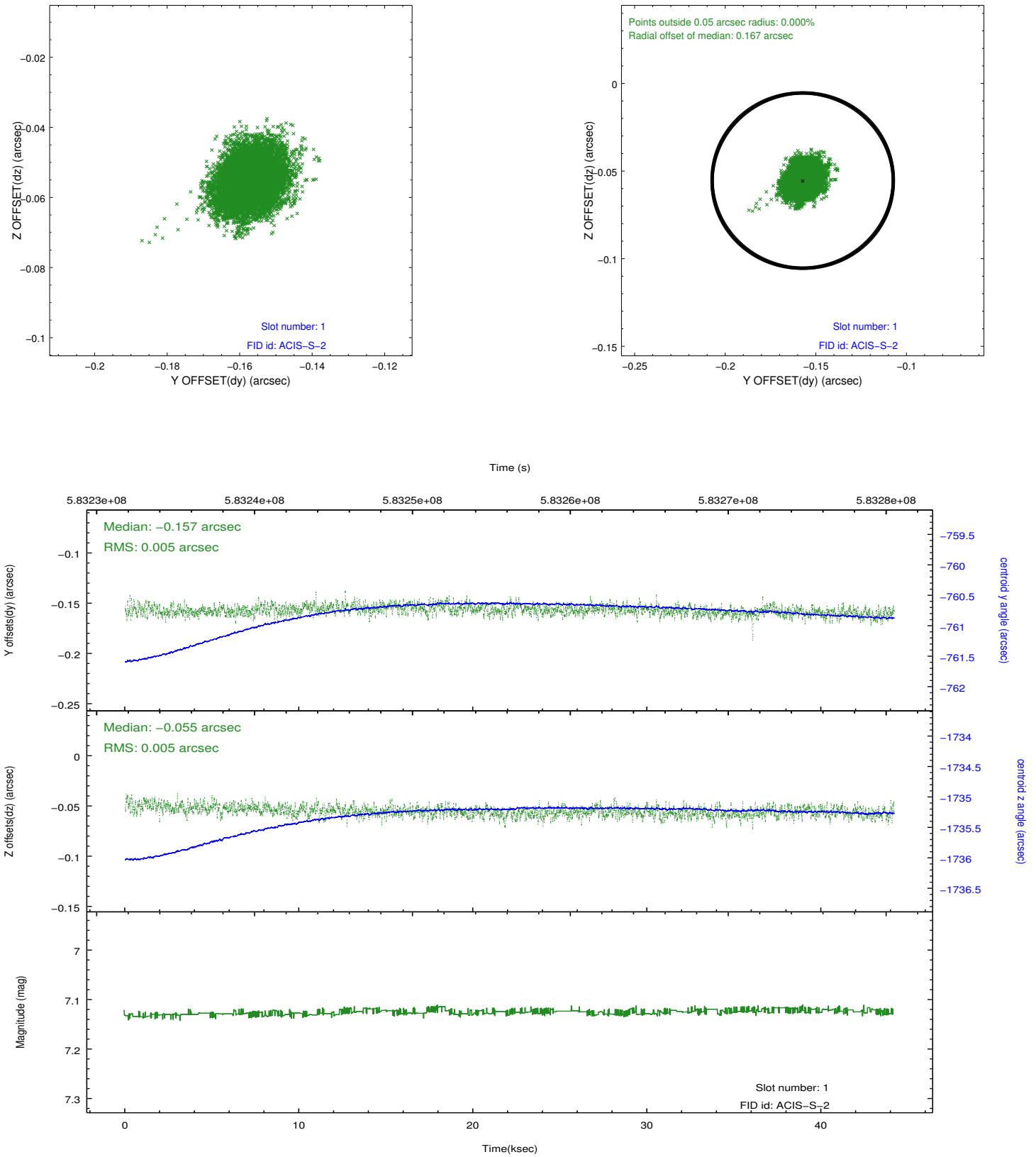


2.5 FID Slots

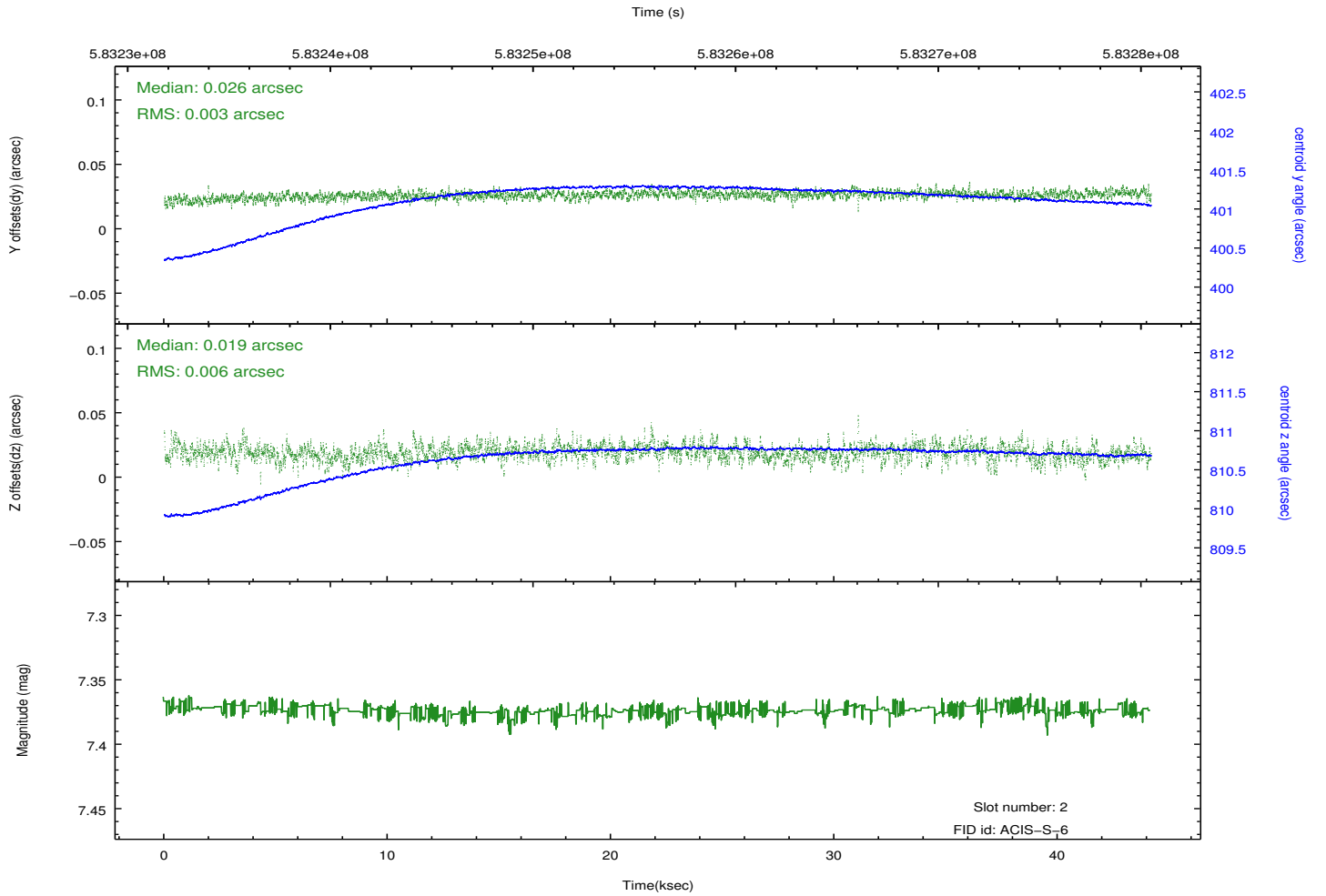
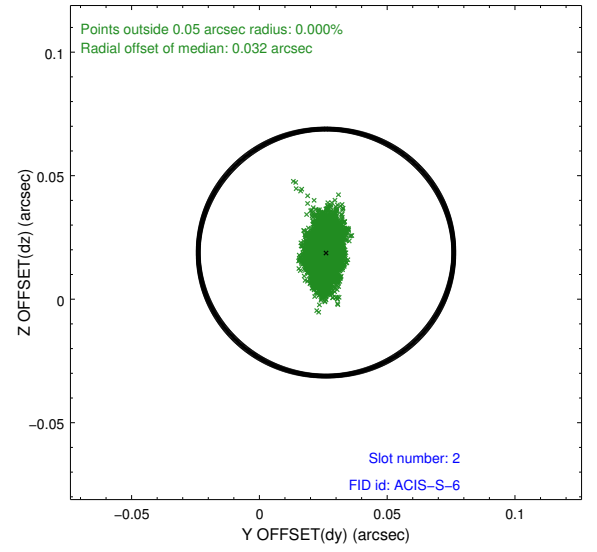
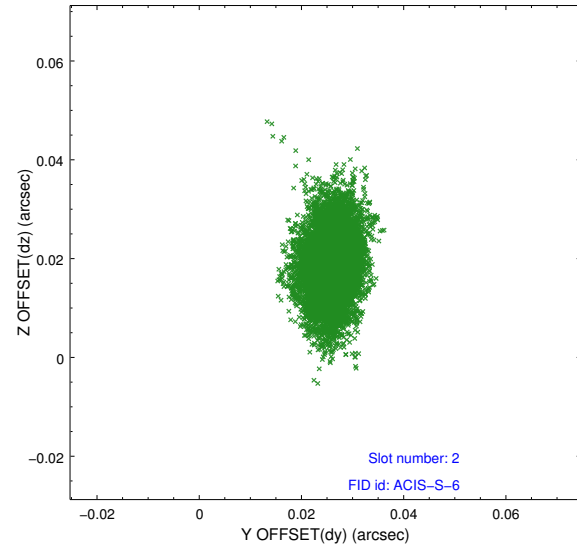
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Glenn Allen
V&V Date (YYYY-MM-DD)	2016.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	44.1855

A.2 Comments