

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 18724 - L2 Version 1
Chandra X-Ray Center

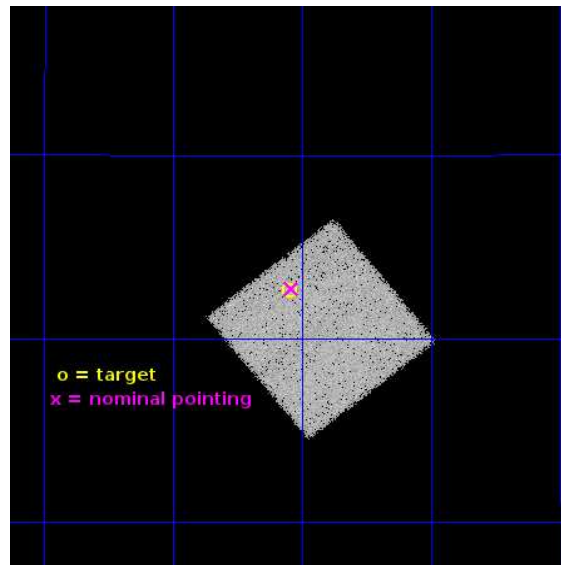
L2 Processing Date : Dec 11 2015

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1 Front

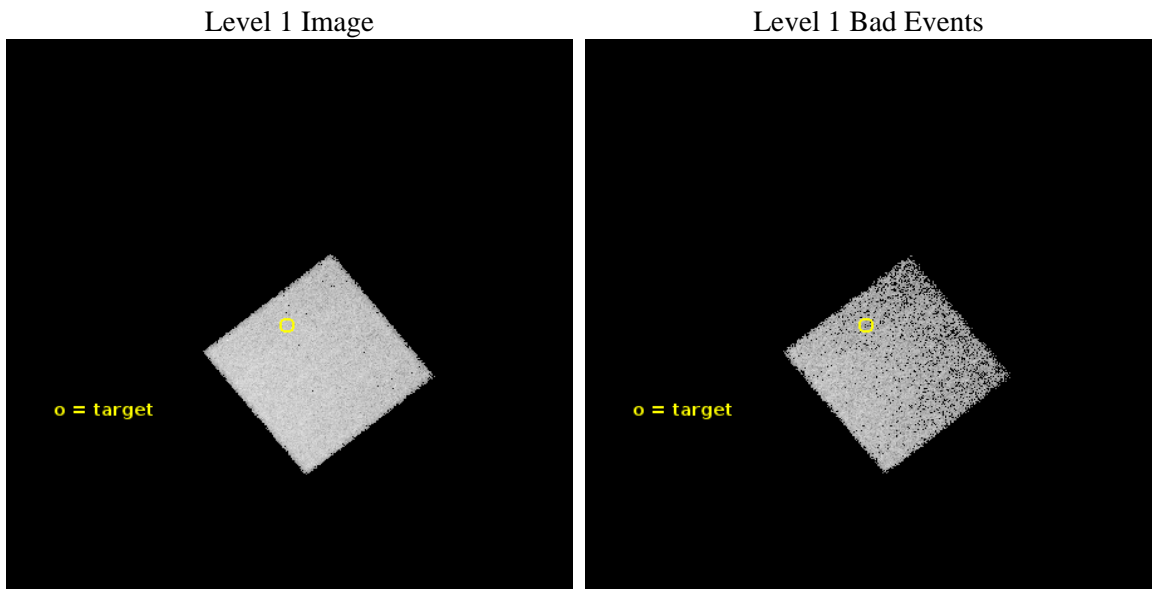
seq_num	201084	Sequence number
obs_id	18724	Observation id
title	X-ray irradiation and evaporation of a likely ocean planet	Proposa
observer	Dr Peter Wheatley	Principal investigator
object	HD97658	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	168.63765	Observer's specified target RA [deg]
dec_targ	25.710603	Observer's specified target Dec [deg]
ra_nom	168.63556397374	Nominal RA [deg]
dec_nom	25.712050489455	Nominal Dec [deg]
roll_nom	51.157523655327	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20094.0	Sum of GTIs [s]
livetime	19822.823770815	Livetime [s]
ontime7	20094.0	Sum of GTIs [s]
l2events	59758	Number of level 2 events



2 OBI

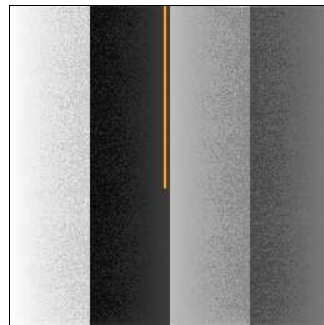
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	20094.0	Sum of GTIs [s]
caldbver	4.6.10a	 	ontime7	20094.0	Sum of GTIs [s]
date	2015-12-12T03:08:26	Date and time of file creation	l1events	139666	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

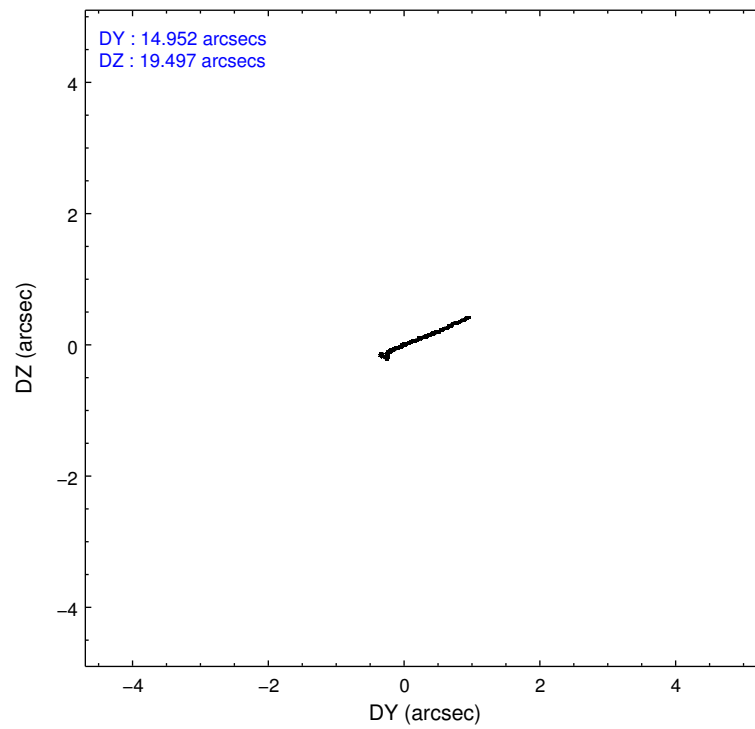
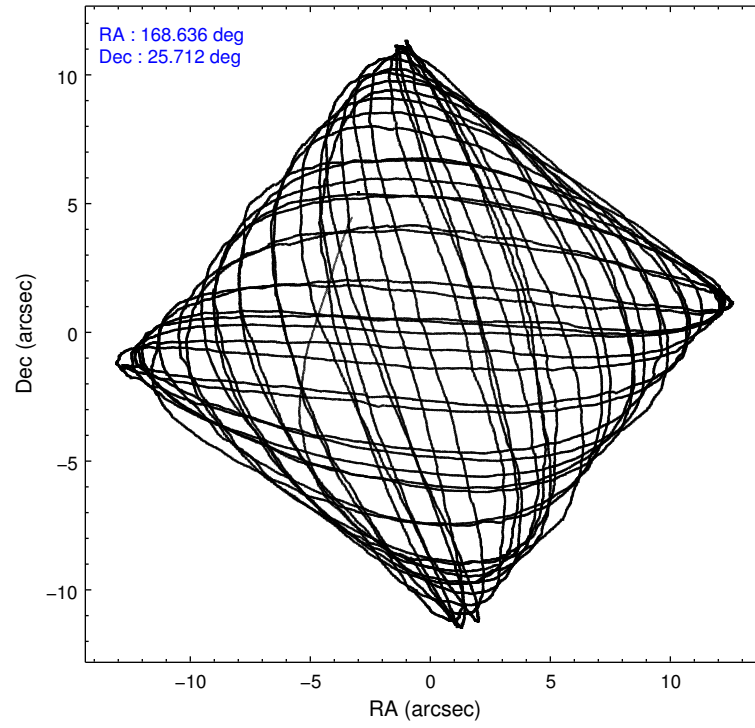
	ccd 7
level 1 events	139666
rejected events	78417
rejected %	56%

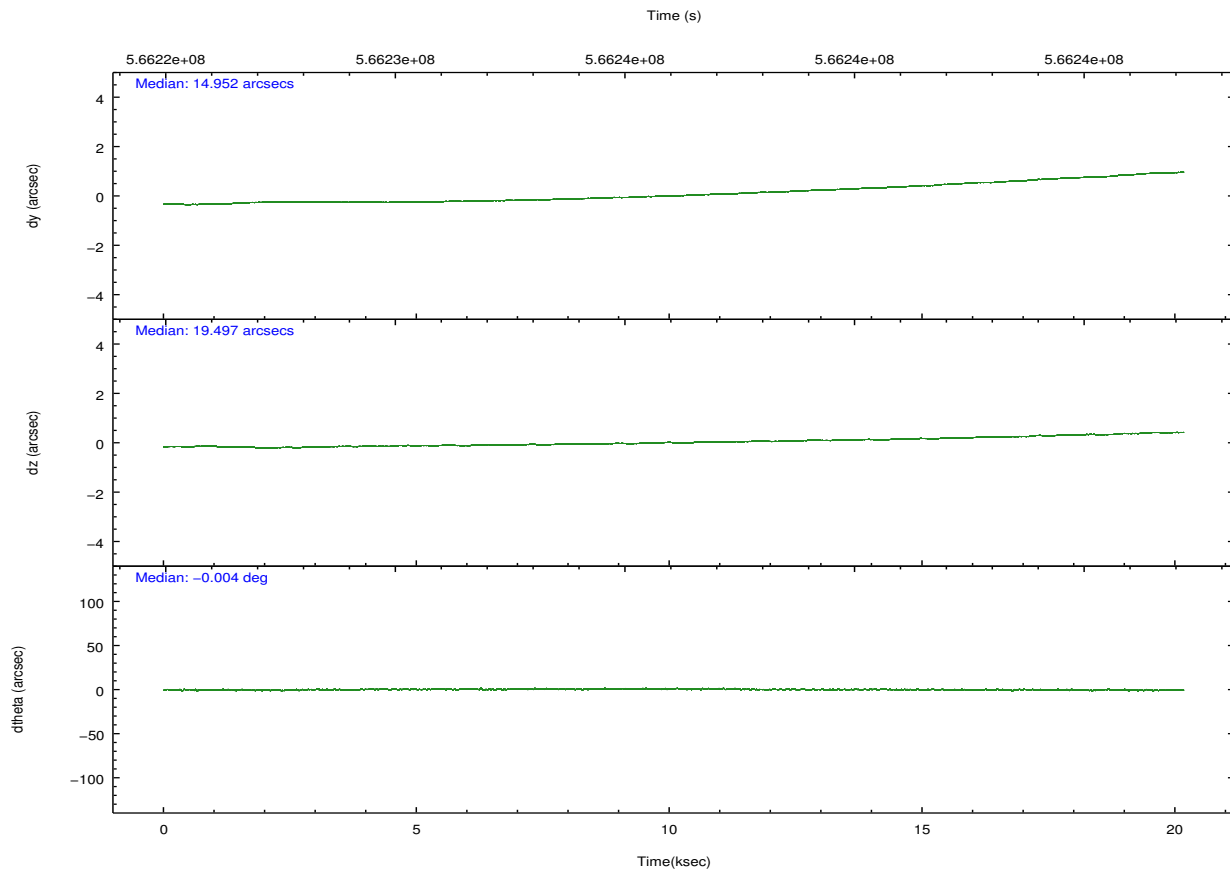
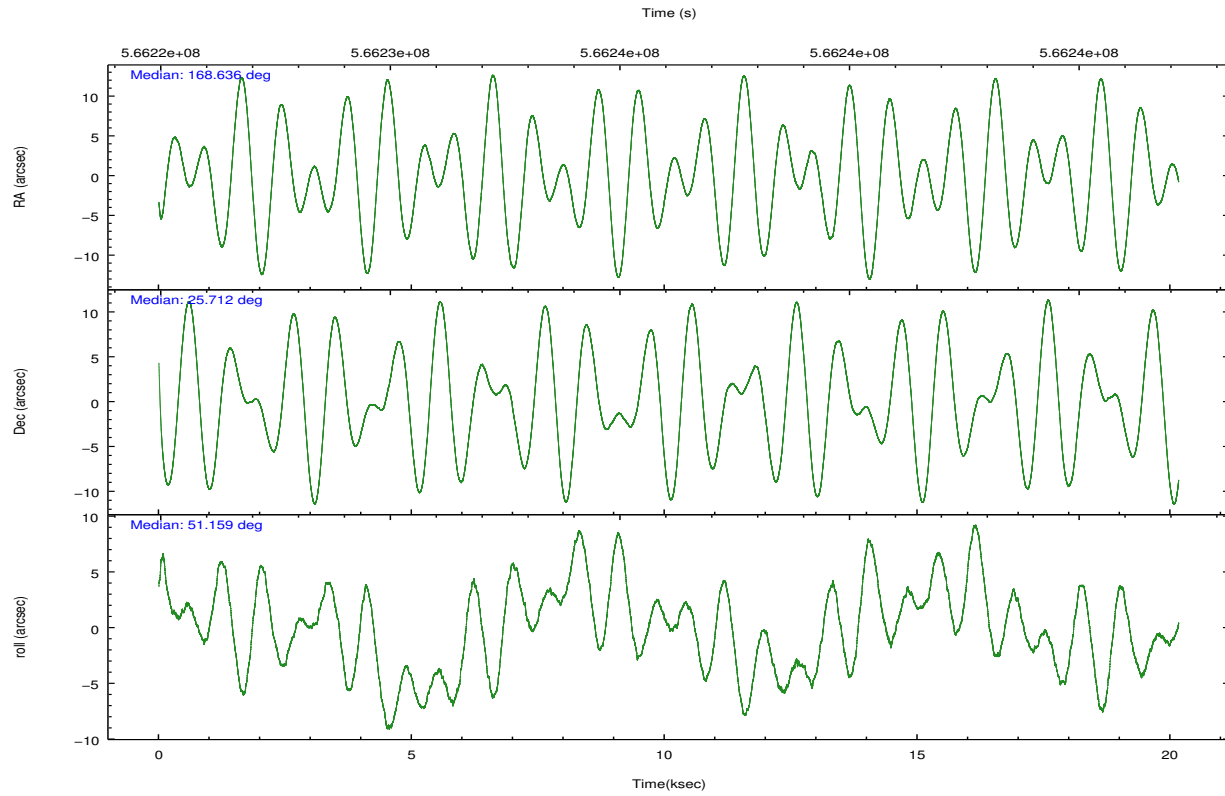
	ccd 7
grade 0 events	5244
	3%
grade 1 events	176
	0%
grade 2 events	12792
	9%
grade 3 events	5012
	3%
grade 4 events	5076
	3%
grade 5 events	14481
	10%
grade 6 events	33133
	23%
grade 7 events	63752
	45%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	168.631277	168.6355639737415	Subarray requested	NONE	NONE
[deg] Pointing Dec	25.684900	25.71205048945458	Alternating exposures requested	N	N
[deg] Pointing Roll	51.002765	51.15752365532668	[s] Primary exposure time	0.000000	3
[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)	566226158.184000	566224826.12702			
Observation start date	2015-12-11T13:01:30	2015-12-11T12:40:26			
[s] Observation end time (MET)	566246158.184000	566247327.95329			
Observation end date	2015-12-11T18:34:50	2015-12-11T18:55:27			
Read mode	TIMED	TIMED			

2.3 Aspect





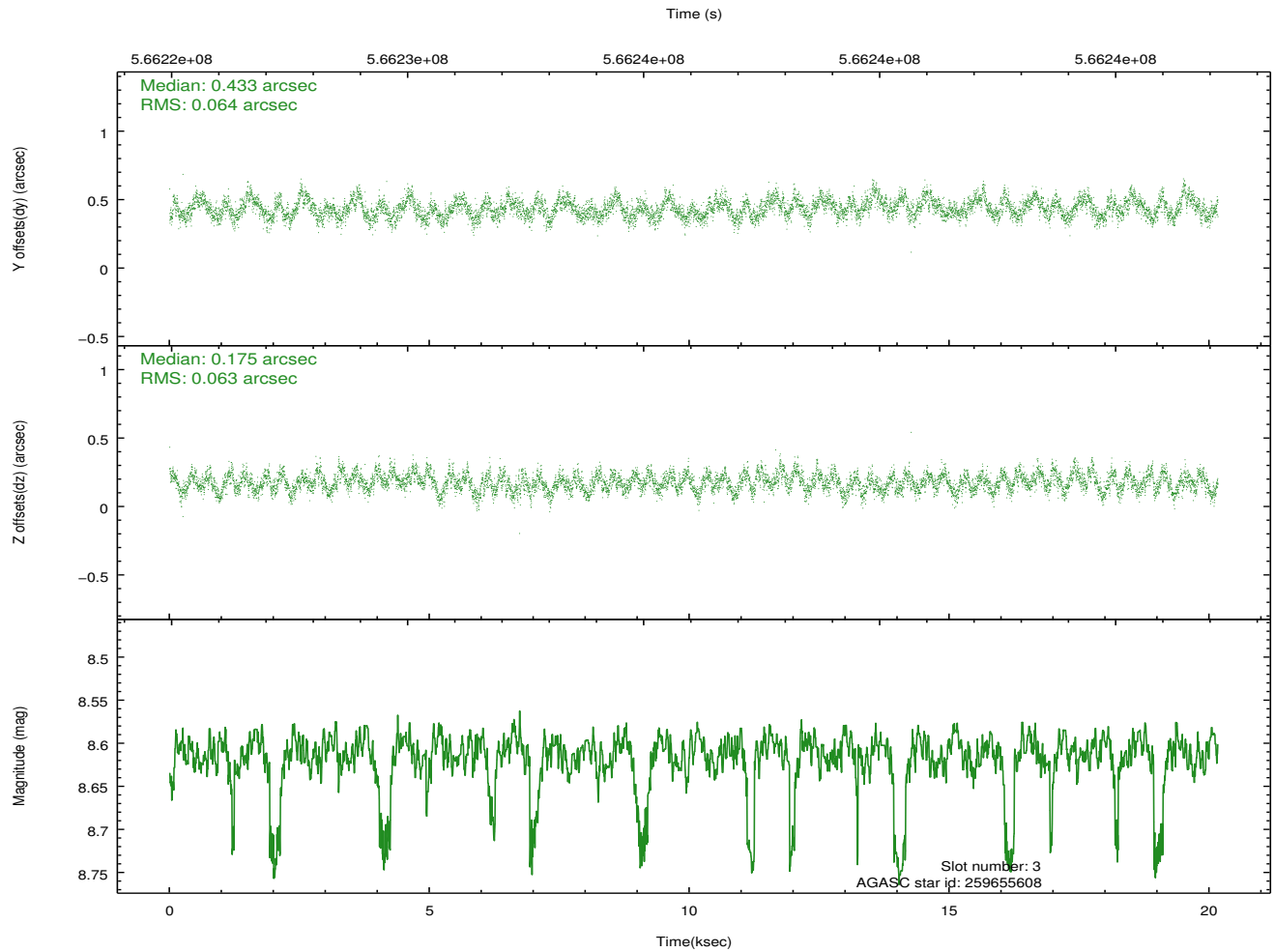
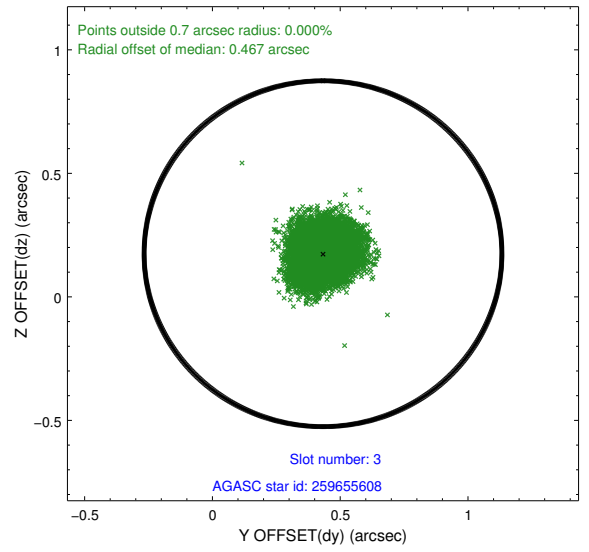
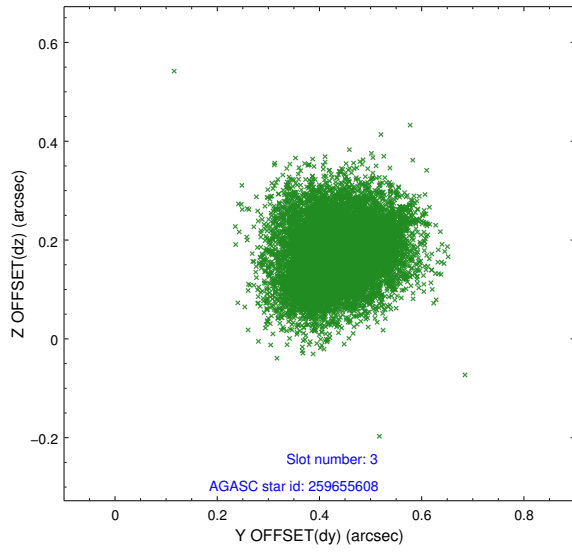
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	4919	-0.194	-0.113	0.012	0.017	0.000000	0.000000	-768.24	-1741.10
1	FID		ACIS-S-4	7.21	4919	0.458	0.124	0.009	0.015	0.000000	0.000000	2145.60	167.43
2	FID		ACIS-S-5	7.23	4917	-0.297	-0.001	0.013	0.022	0.000000	0.000000	-1820.95	161.18
3	GUIDE	used	259655608	8.61	9835	0.433	0.175	0.097	0.152	168.421819	25.104102	-2054.81	-784.08
4	GUIDE	used	259658704	8.14	9836	0.463	0.368	0.109	0.176	168.725856	24.984815	-1764.61	-1825.51
5	GUIDE	used	259662976	7.71	9838	-0.197	-0.277	0.084	0.142	168.638176	25.710388	85.02	41.81
6	GUIDE	used	259919240	8.78	9835	-0.391	-0.178	0.096	0.155	168.772383	26.262082	1901.73	953.26
7	GUIDE	used	259653840	9.06	9827	-0.316	-0.098	0.105	0.169	169.067302	26.217080	2376.58	112.63

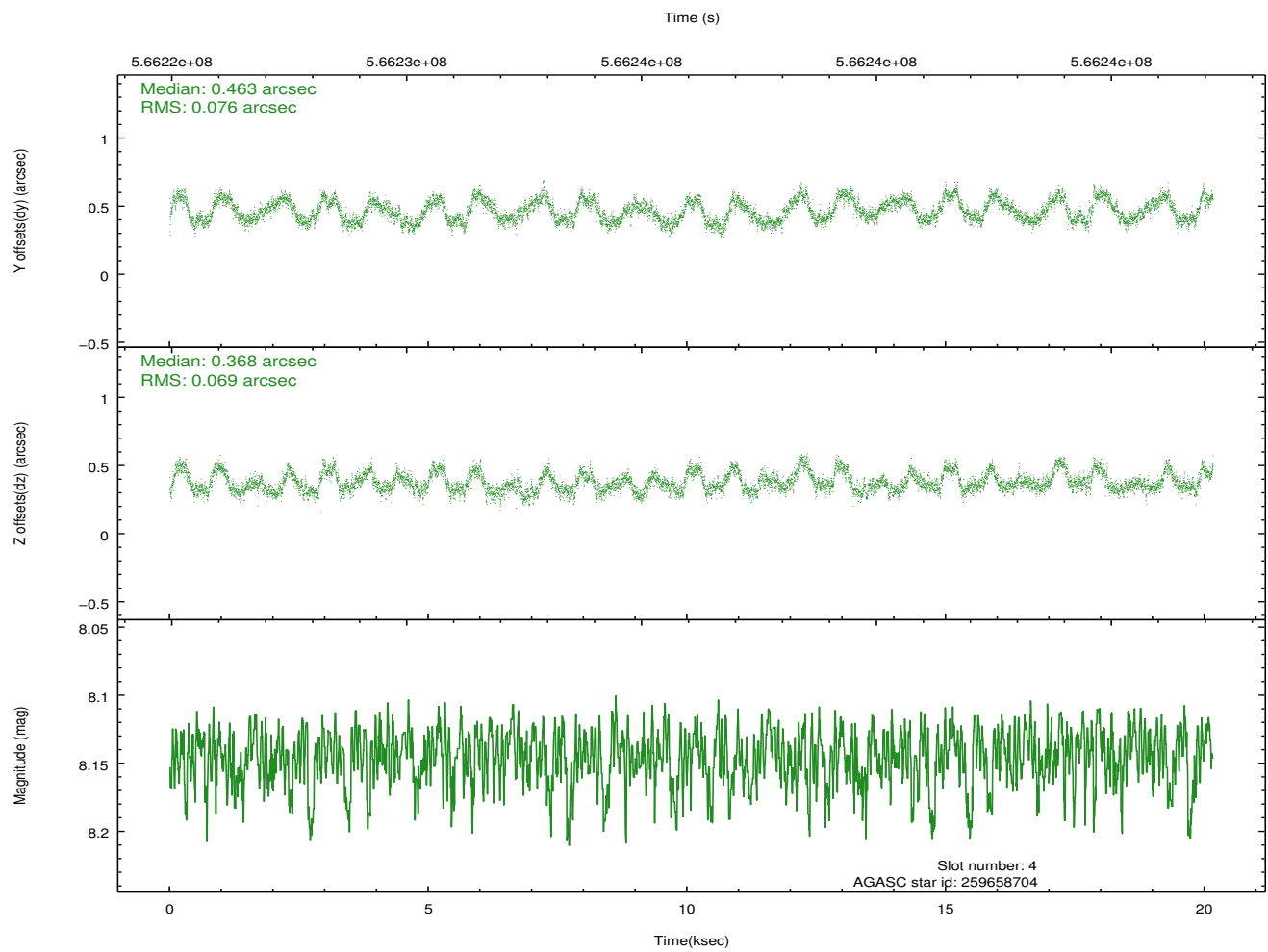
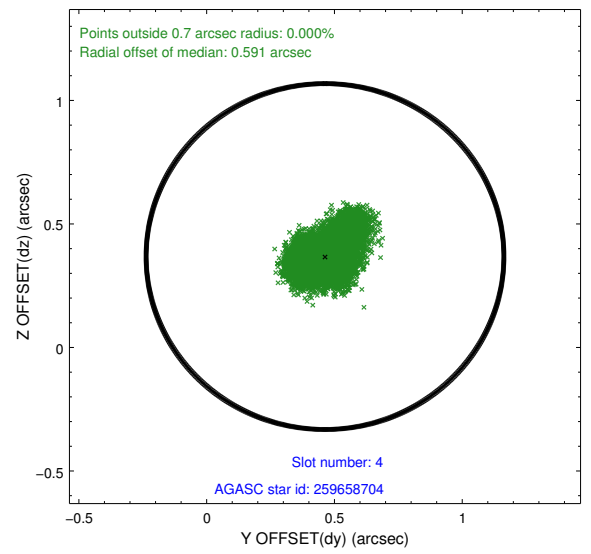
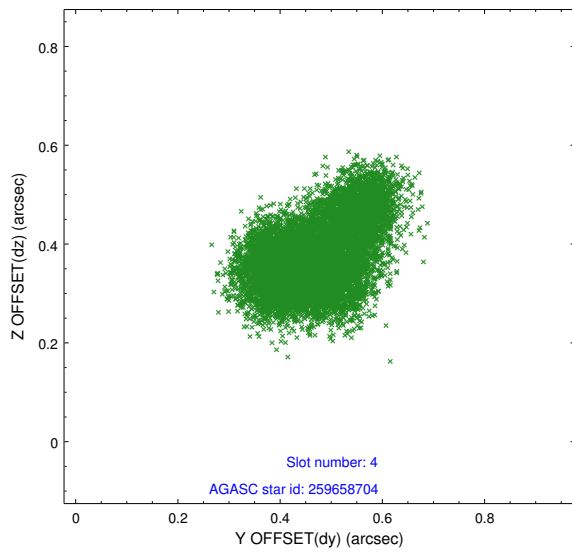
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2.4 Star Slots

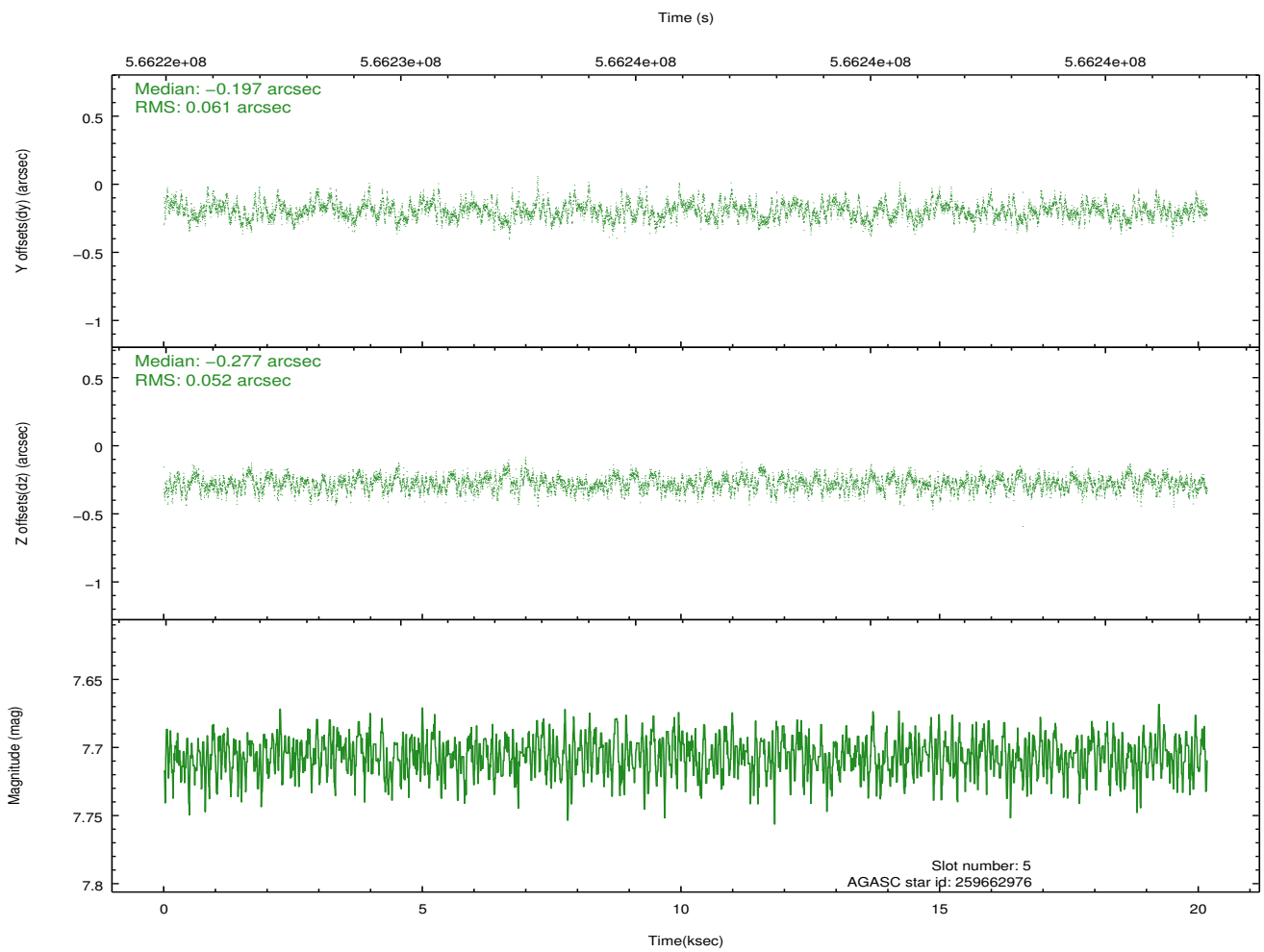
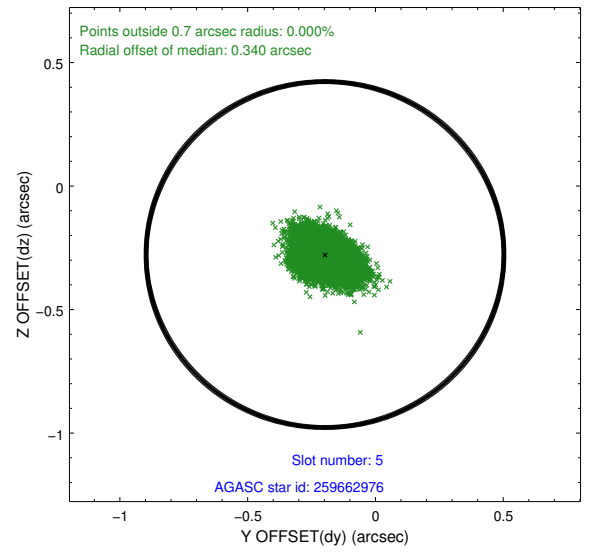
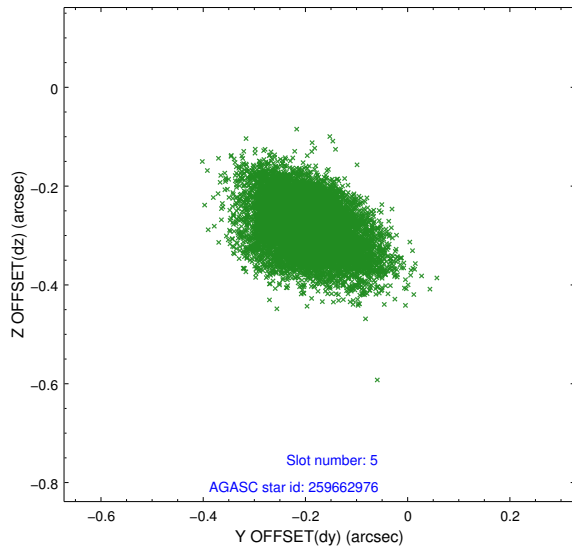
2.4.1 Slot 3



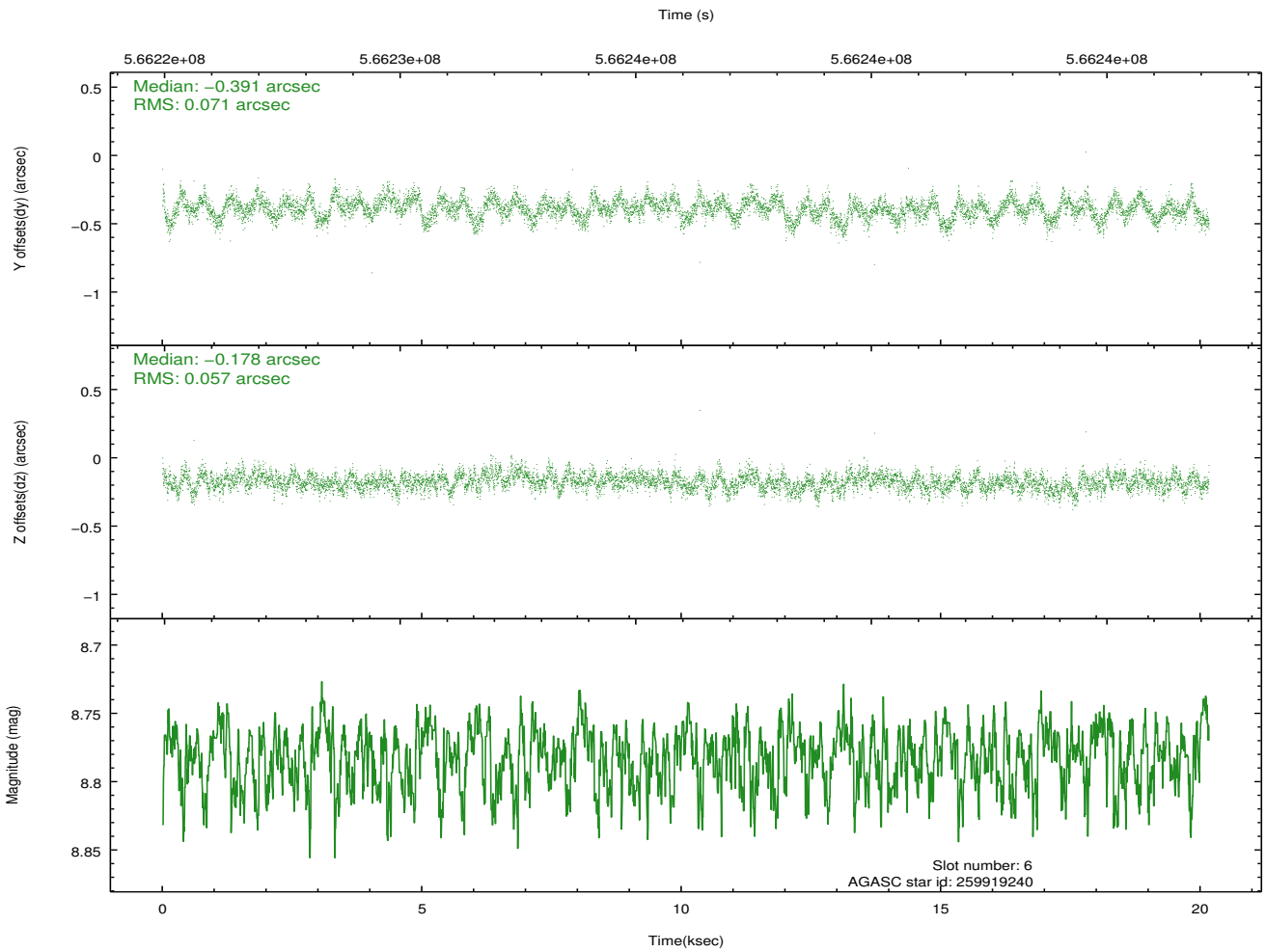
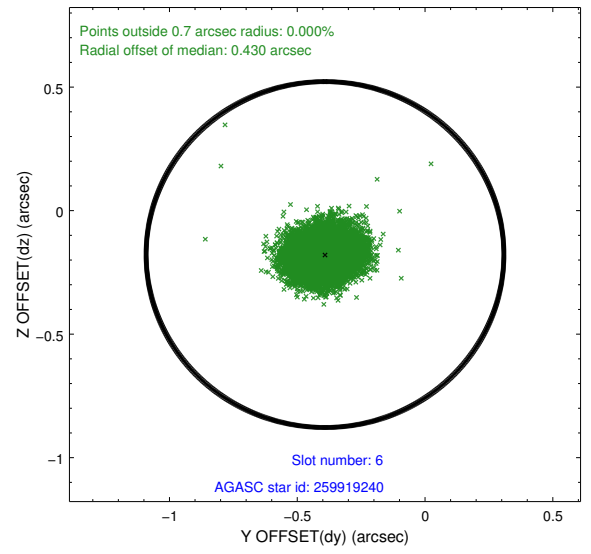
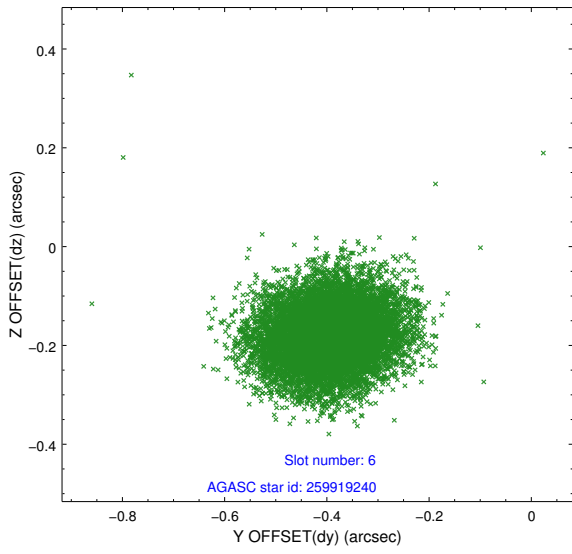
2.4.2 Slot 4



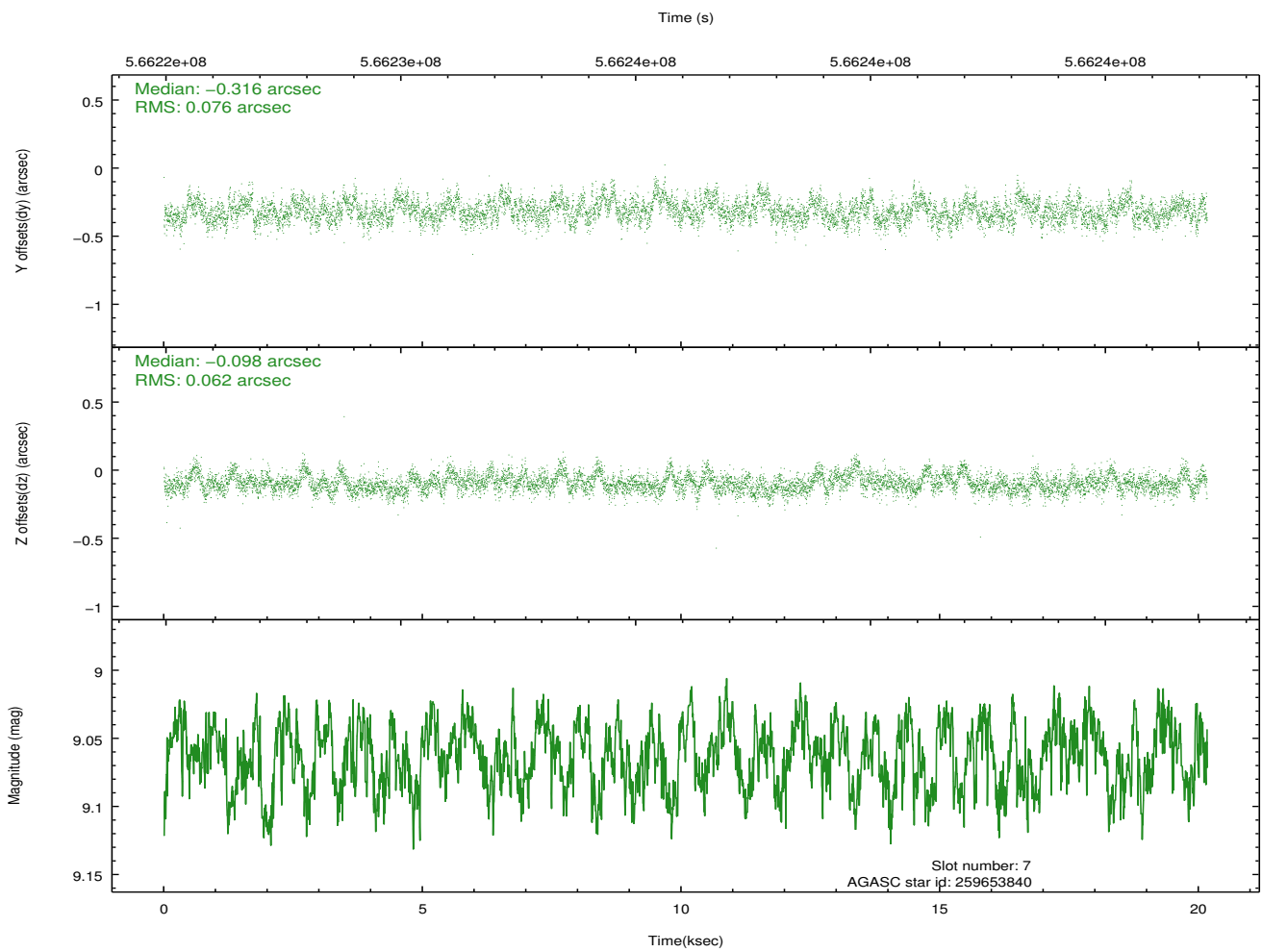
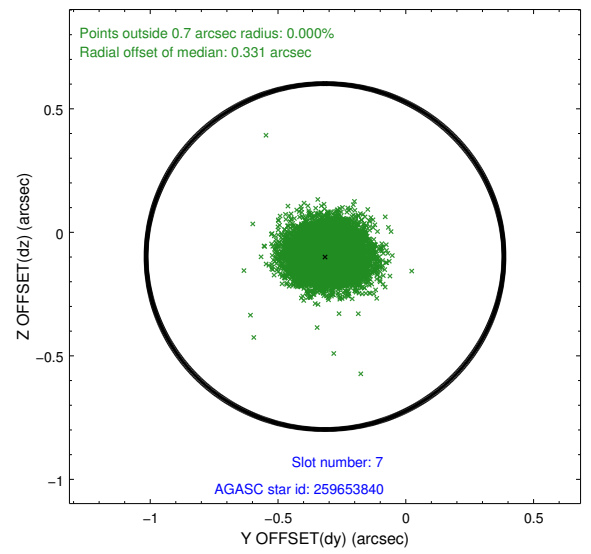
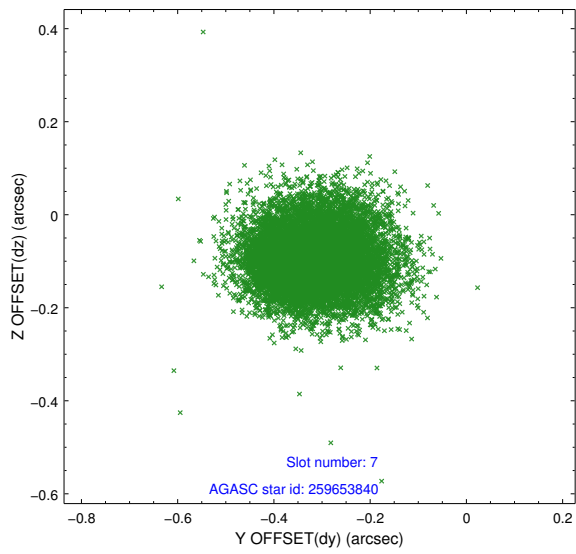
2.4.3 Slot 5



2.4.4 Slot 6

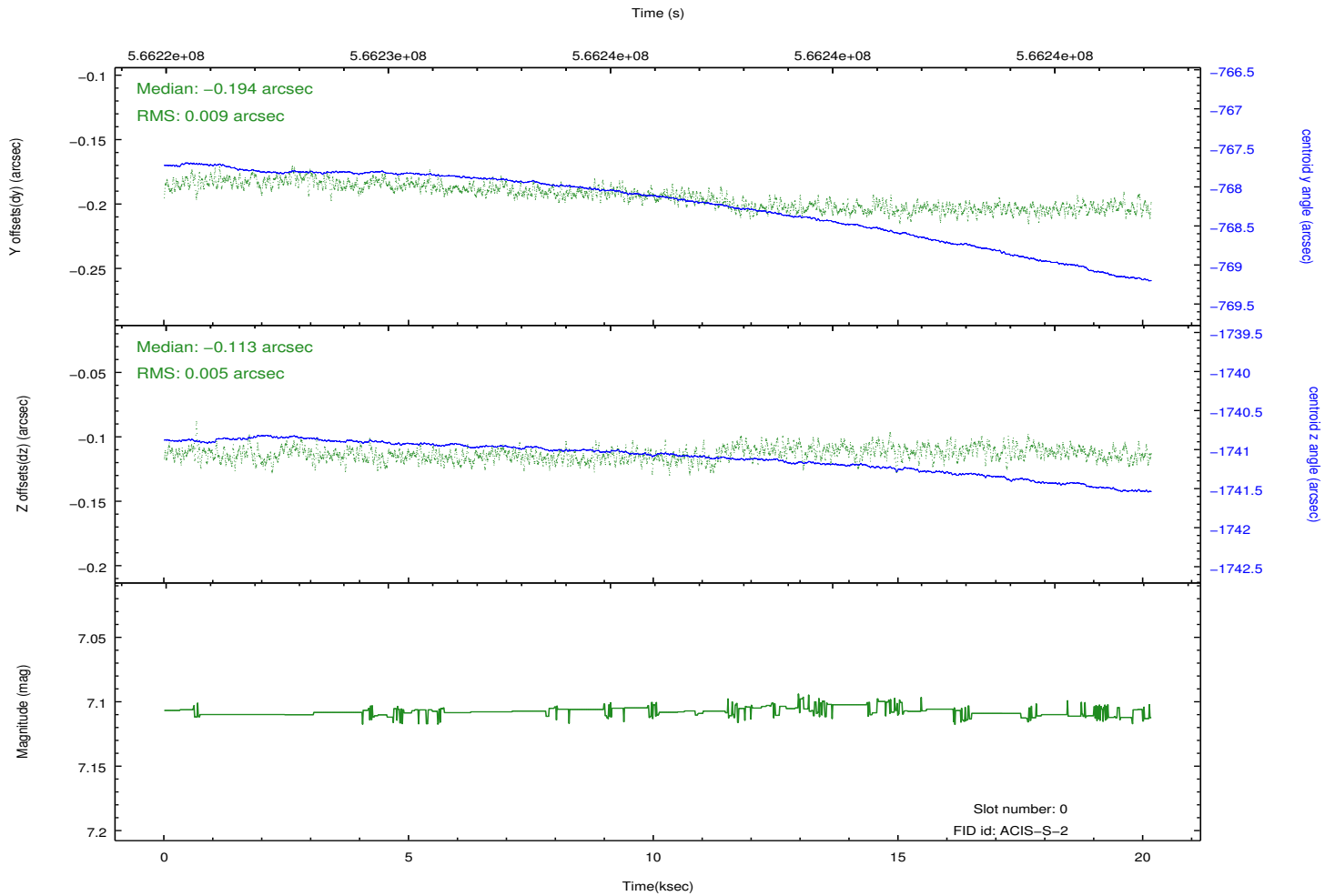
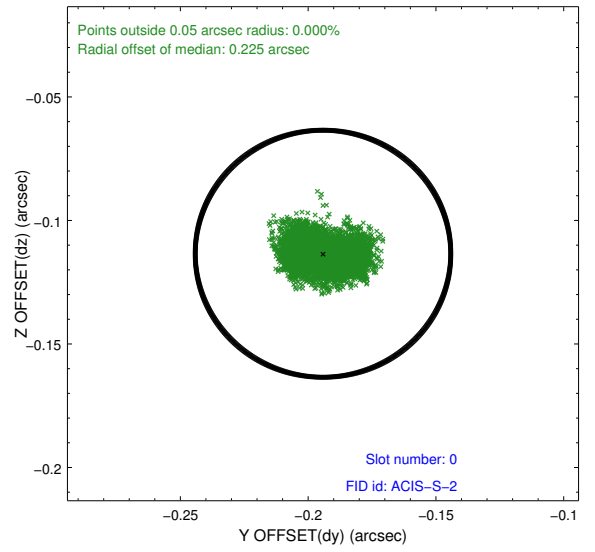
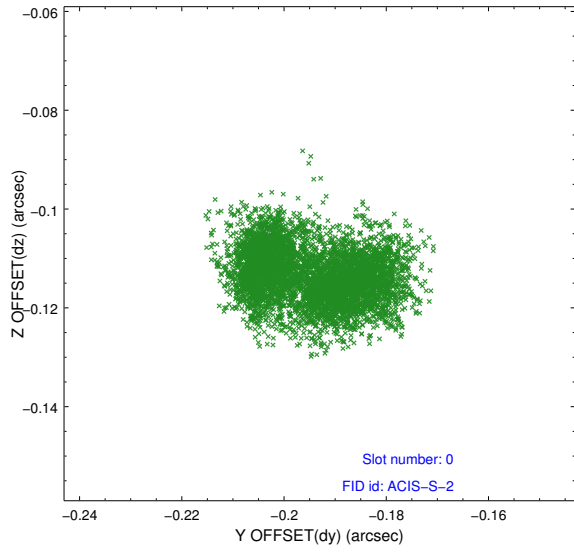


2.4.5 Slot 7

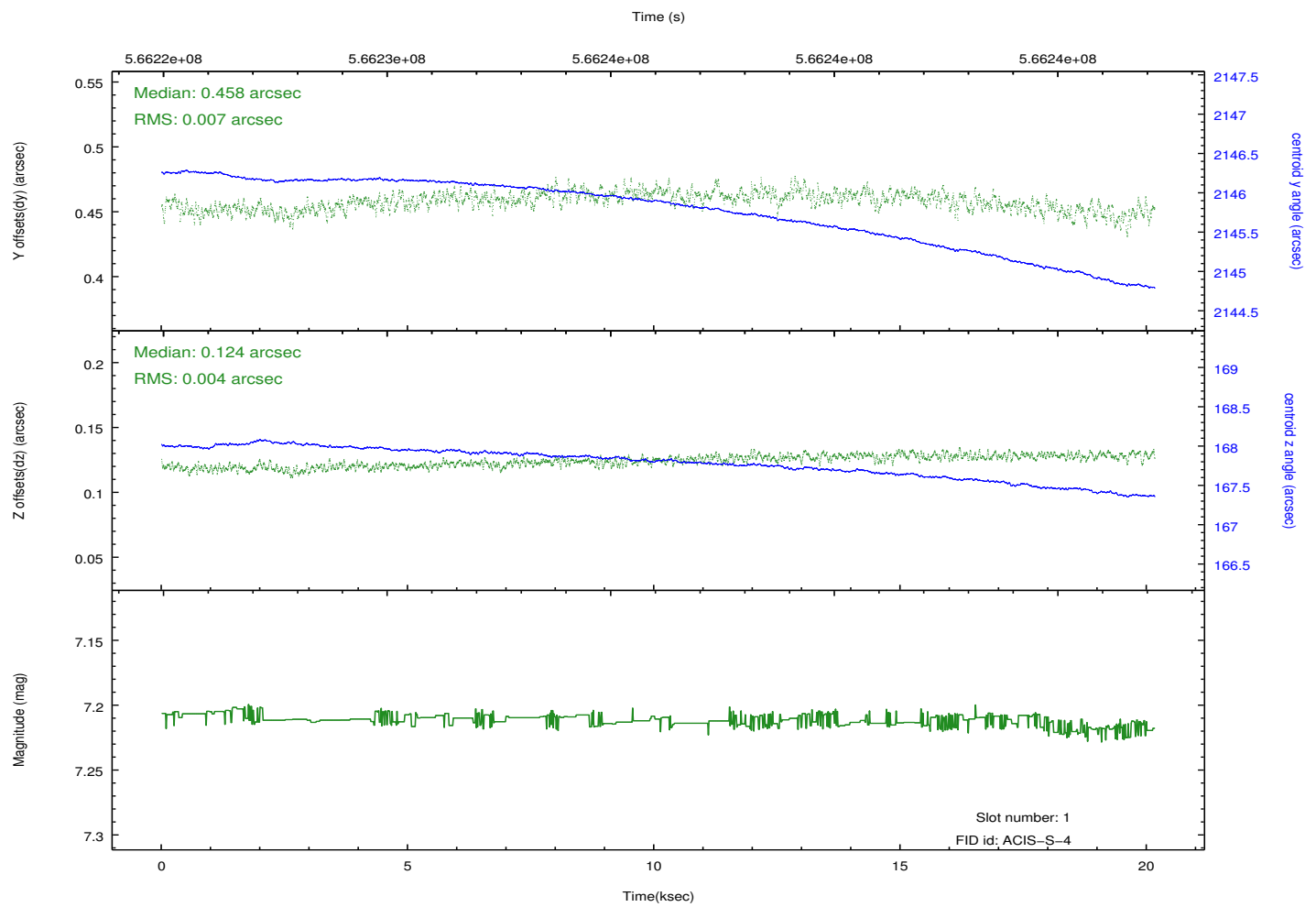
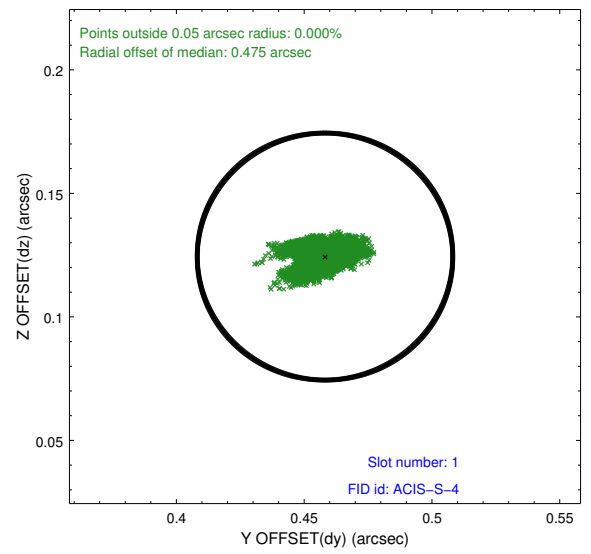
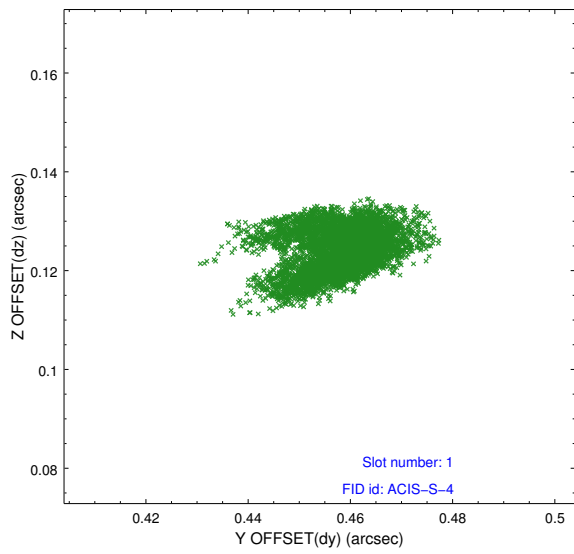


2.5 FID Slots

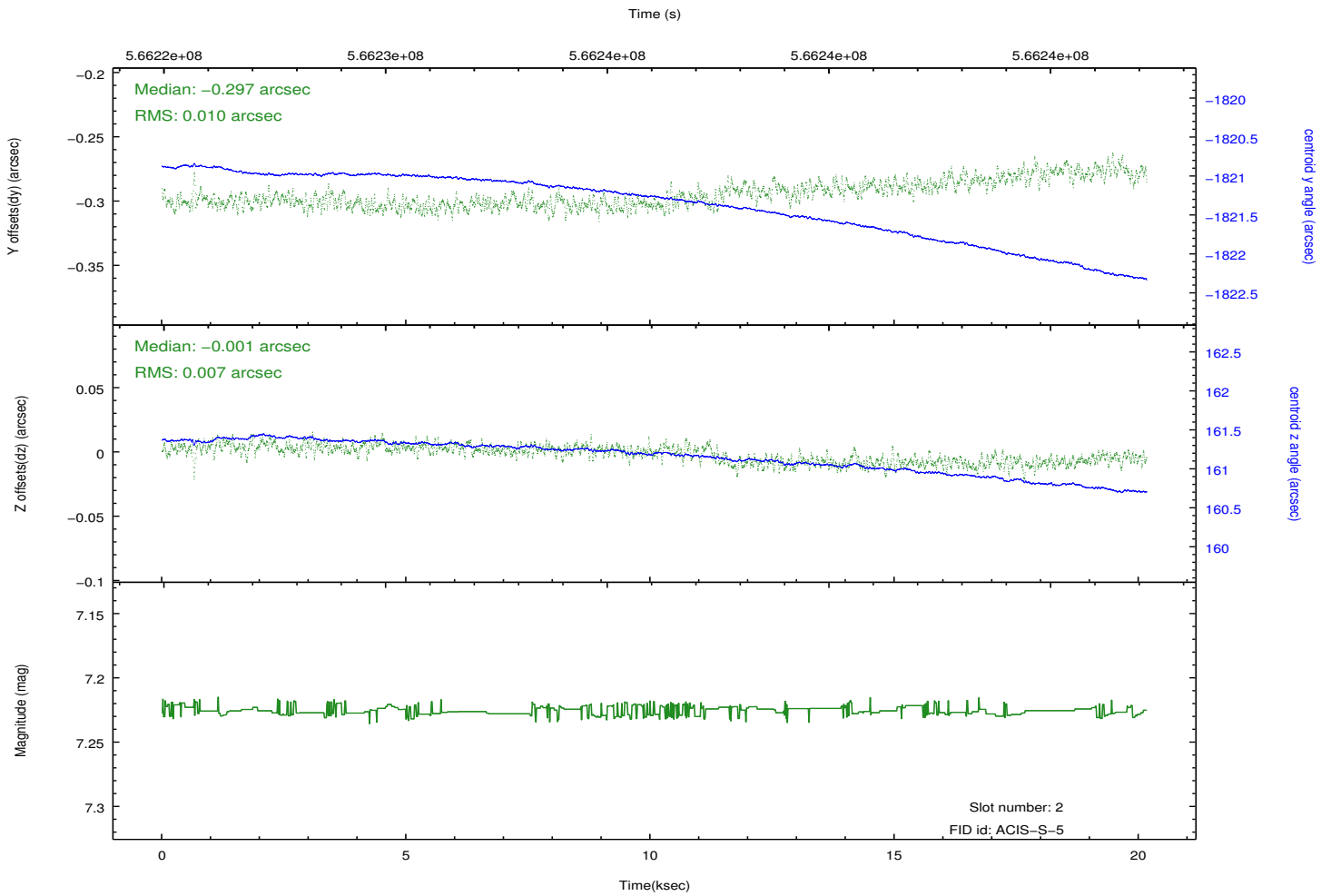
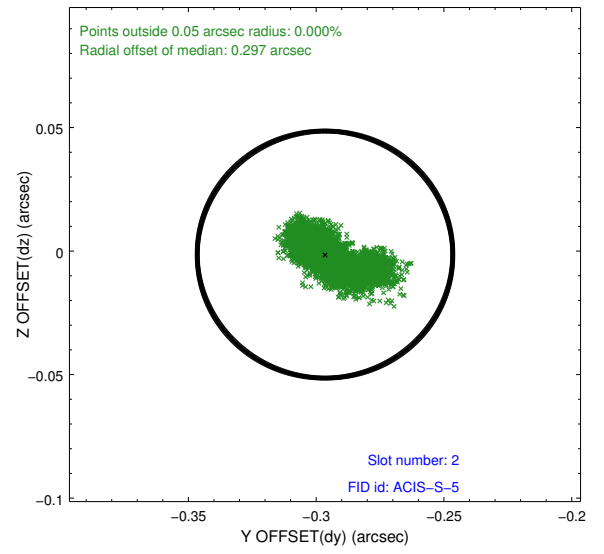
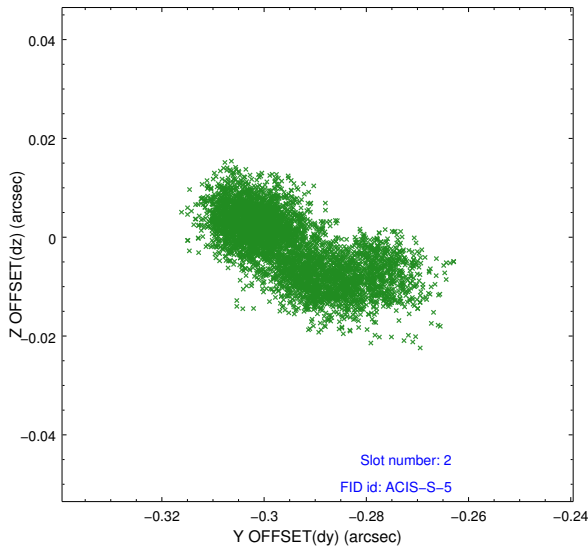
2.5.1 Slot 0



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)	2015.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.094

A.2 Comments