

V&V Reference Report

L2 ASCDS Version : 10.8.1

Observation 23125 - L2 Version 1
Chandra X-Ray Center

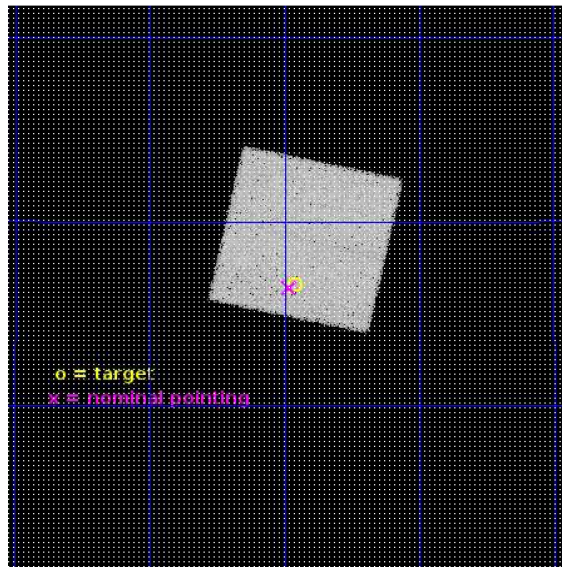
L2 Processing Date : Jan 12 2020

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1 Front

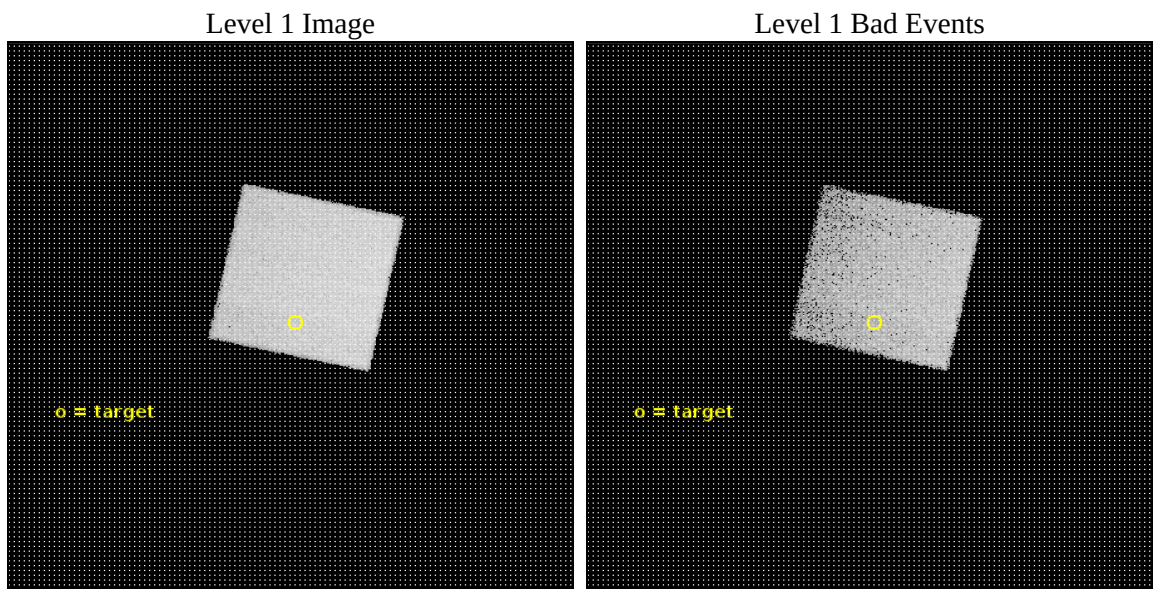
seq_num	201341	Sequence number
obs_id	23125	Observation id
title	Measurements of Coronal Emission in the Hyades: We need more!	Prop
observer	Marcel Ag eros	Principal investigator
object	Gaia DR2 3365768477477718784	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	102.61454	Observer's specified target RA [deg]
dec_targ	19.943132	Observer's specified target Dec [deg]
ra_nom	102.62034571947	Nominal RA [deg]
dec_nom	19.940035032056	Nominal Dec [deg]
roll_nom	282.20460166107	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20693.800093293	Sum of GTIs [s]
livetime	20414.529332031	Livetime [s]
ontime7	20693.800093293	Sum of GTIs [s]
l2events	86724	Number of level 2 events



2 OBI

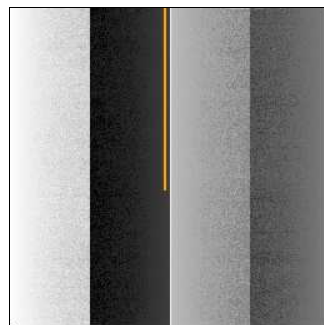
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20600.000000	[s] Scheduled observation exposure time
ascdsver	10.8.1	Processing system revision	ontime	20693.800093293	Sum of GTIs [s]
caldsver	4.8.4.2	 	ontime7	20693.800093293	Sum of GTIs [s]
date	2020-01-13T03:18:46	Date and time of file creation	l1events	203516	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

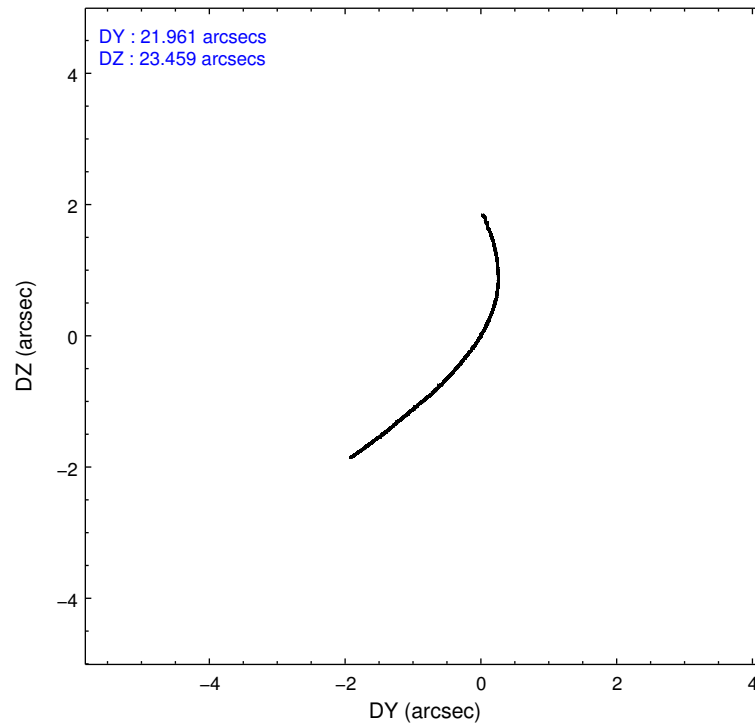
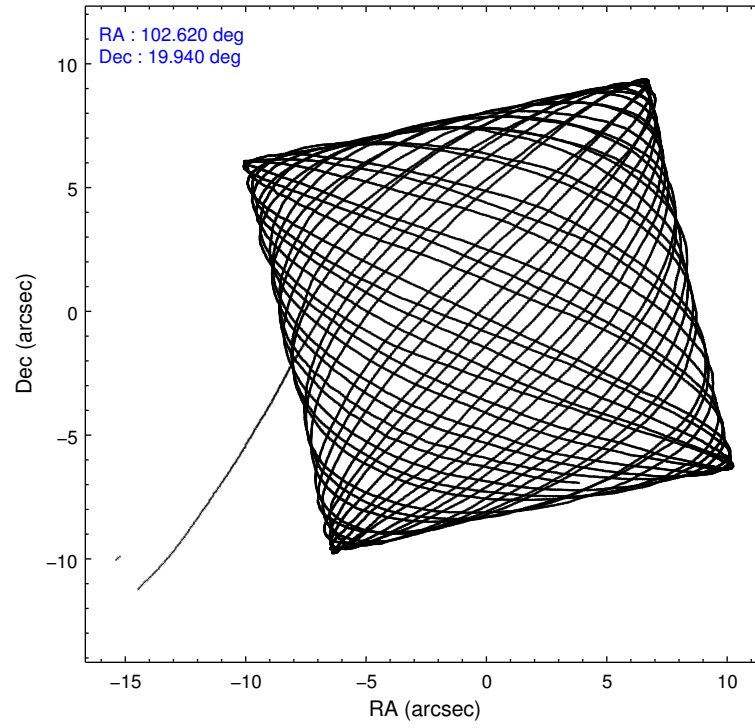
	ccd 7
level 1 events	203516
rejected events	114519
rejected %	56%

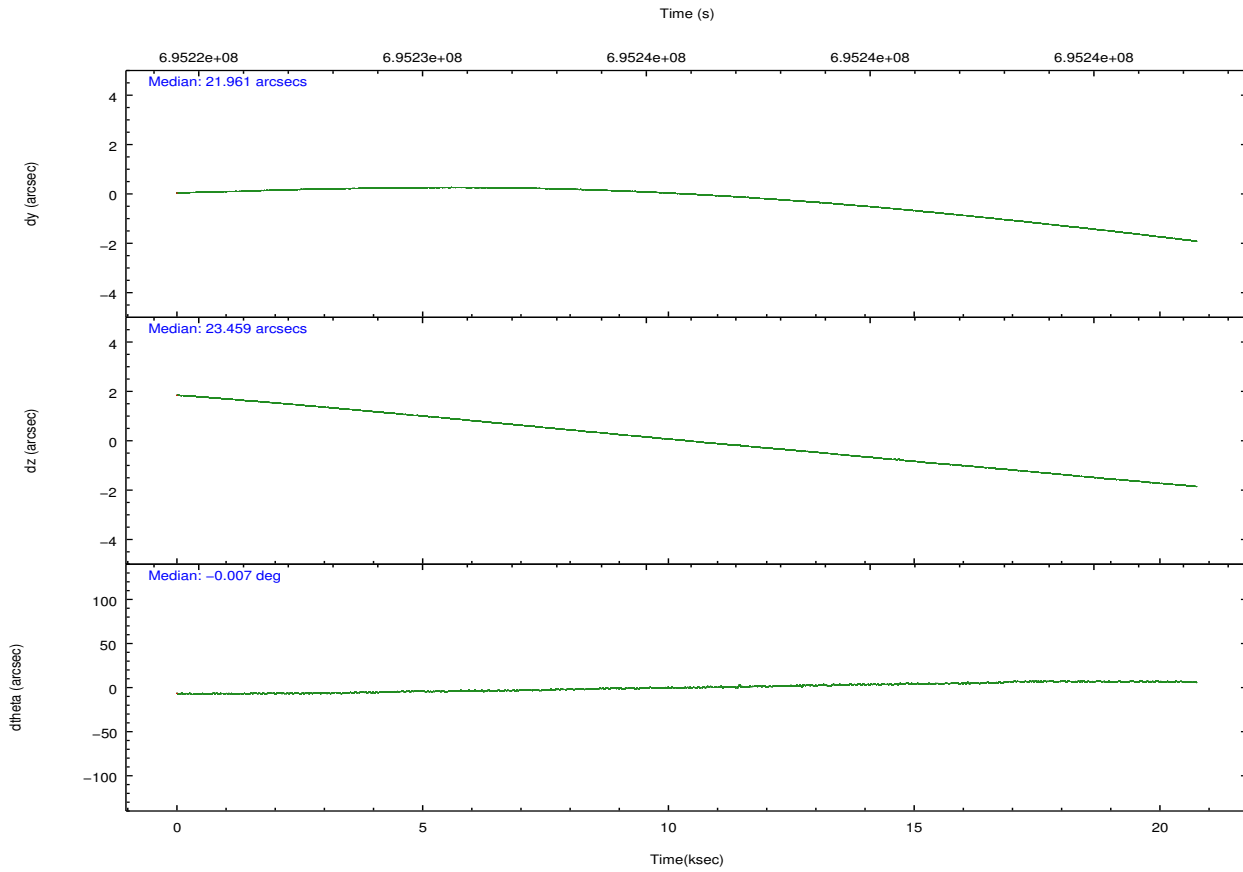
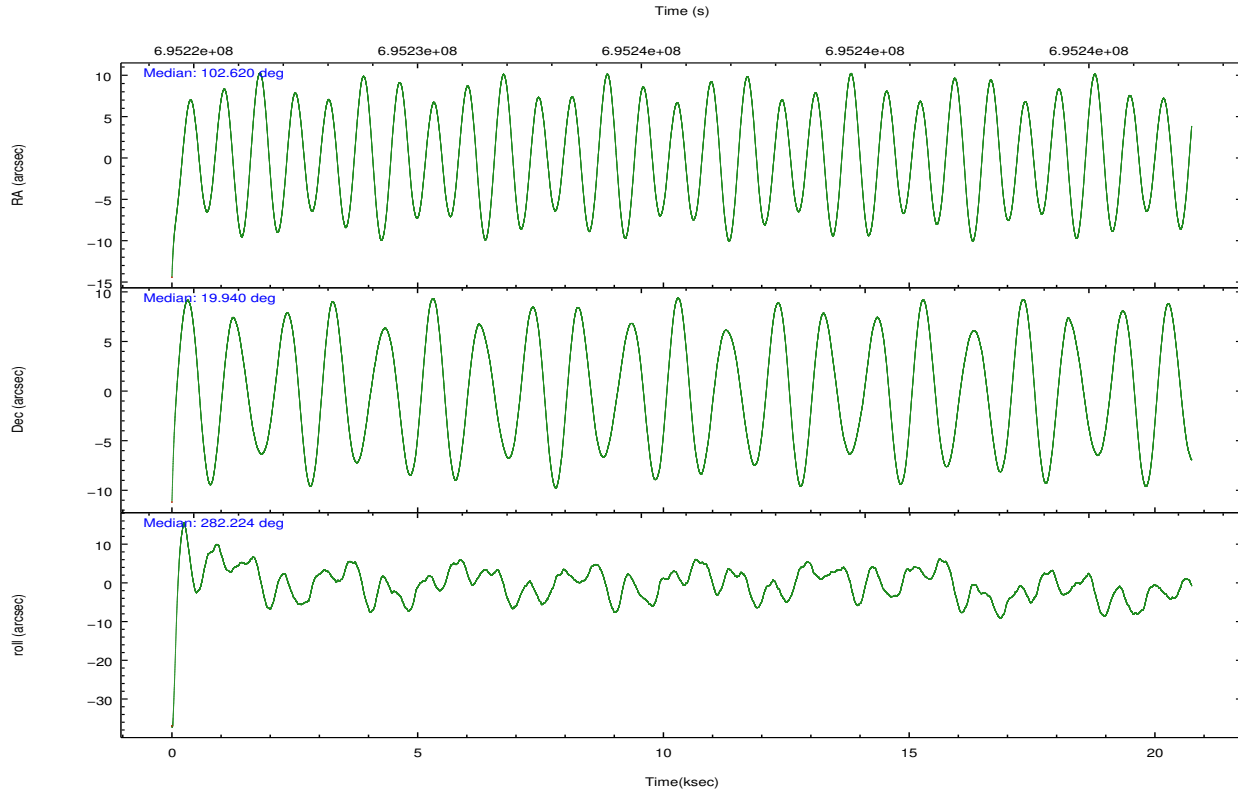
	ccd 7
grade 0 events	7197
	3%
grade 1 events	285
	0%
grade 2 events	19322
	9%
grade 3 events	6876
	3%
grade 4 events	6820
	3%
grade 5 events	19853
	9%
grade 6 events	48796
	23%
grade 7 events	94367
	46%

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	102.600458	102.6203457194701	Subarray requested	NONE	NONE
[deg] Pointing Dec	19.960098	19.94003503205574	Alternating exposures requested	N	N
[deg] Pointing Roll	282.054793	282.2046016610656	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	695225673.184000	695224350.39104			
Observation start date	2020-01-12T14:13:24	2020-01-12T13:52:30			
[s] Observation end time (MET)	695246273.184000	695246964.45491			
Observation end date	2020-01-12T19:56:44	2020-01-12T20:09:24			
Read mode	TIMED	TIMED			

2.3 Aspect



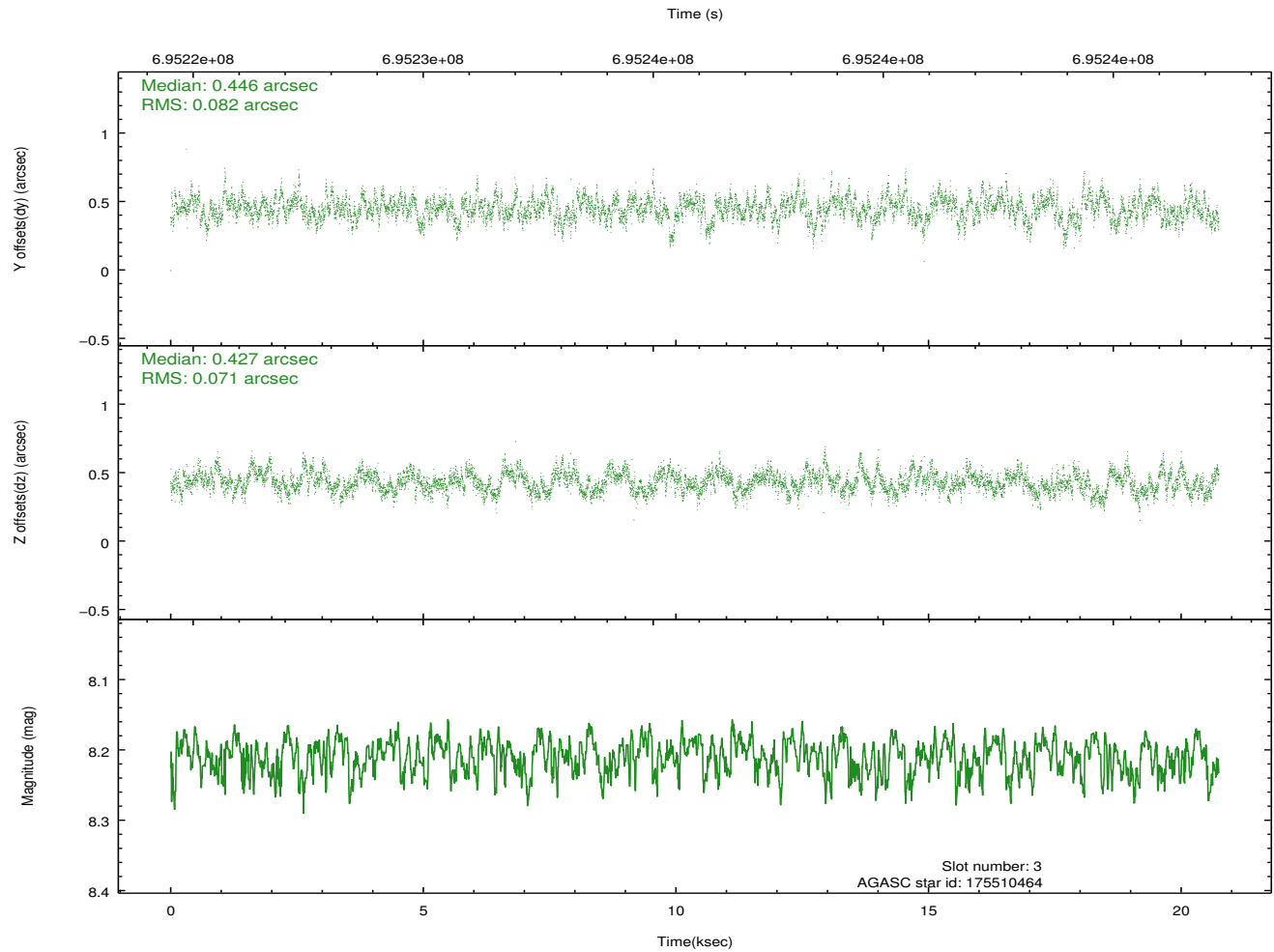
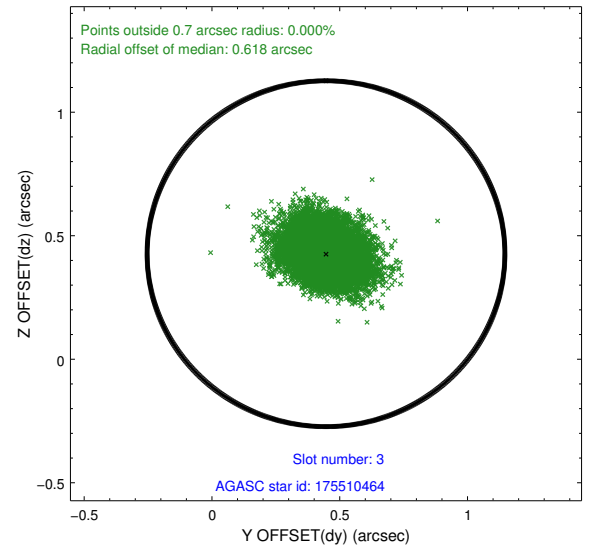
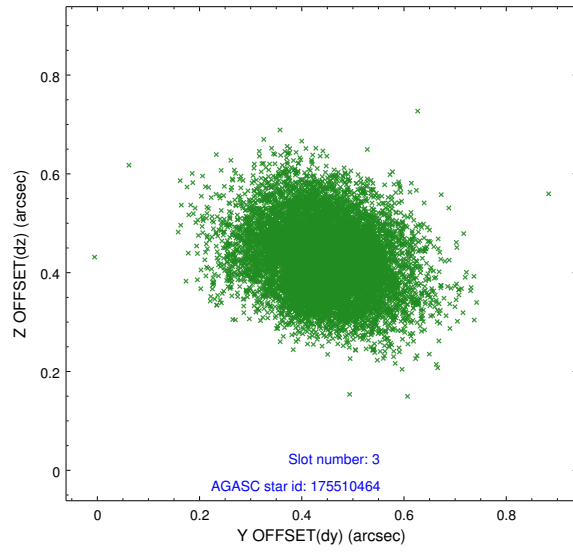


Slot Statistics

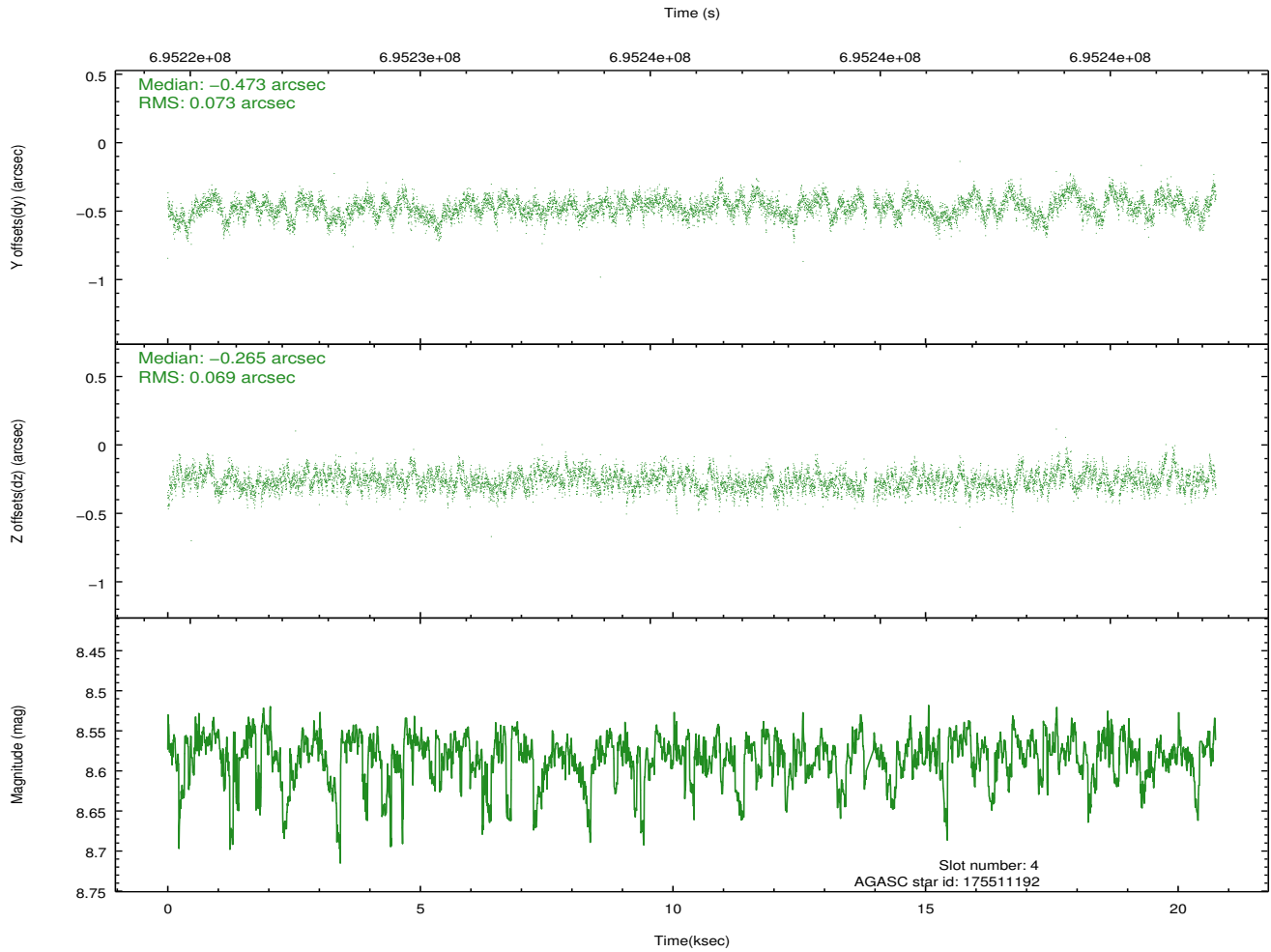
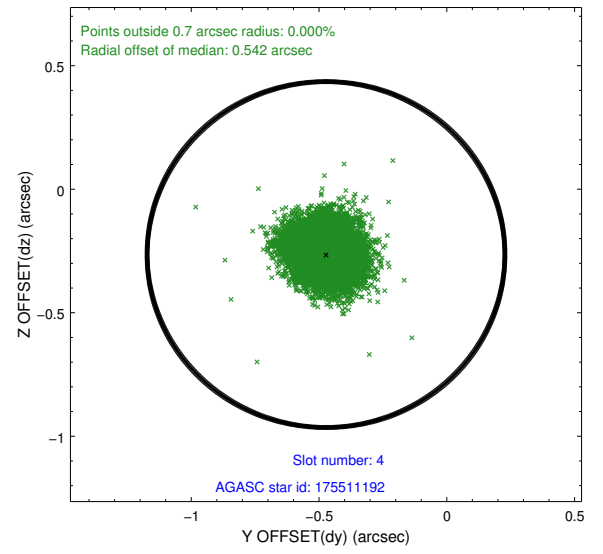
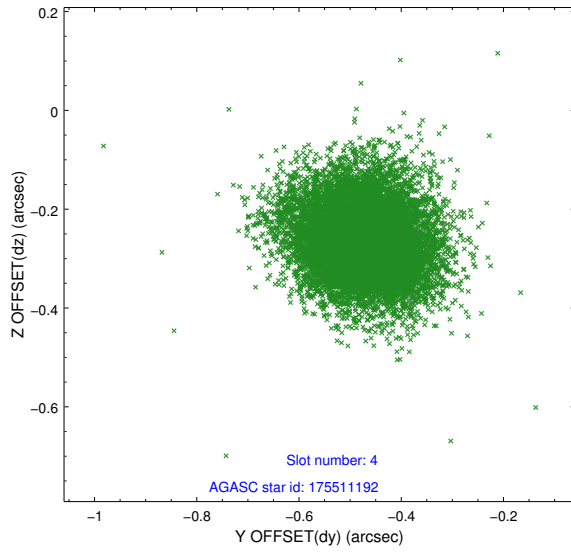
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.07	5061	1.000	-0.370	-0.275	0.055	0.093	0.000000	0.000000	-775.07	-1745
1	FID		ACIS-S-4	7.13	5059	1.000	0.824	0.248	0.015	0.031	0.000000	0.000000	2139.24	163
2	FID		ACIS-S-5	7.14	5061	1.000	-0.484	0.036	0.043	0.084	0.000000	0.000000	-1827.89	157
3	GUIDE	used	175510464	8.21	10115	1.000	0.446	0.427	0.114	0.189	102.238302	20.563896	-2381.59	-738
4	GUIDE	used	175511192	8.58	10043	1.000	-0.473	-0.265	0.107	0.173	102.993520	19.674623	1281.97	1088
5	GUIDE	used	175511472	7.34	10122	1.000	-0.119	-0.192	0.117	0.179	102.709484	19.990551	-29.88	383
6	GUIDE	used	175513896	8.73	10050	1.000	0.102	0.182	0.167	0.262	102.638073	19.297948	2358.17	-373
7	GUIDE	used	175514016	8.05	10115	1.000	0.034	-0.159	0.107	0.194	102.627086	19.964785	3.18	91

2.4 Star Slots

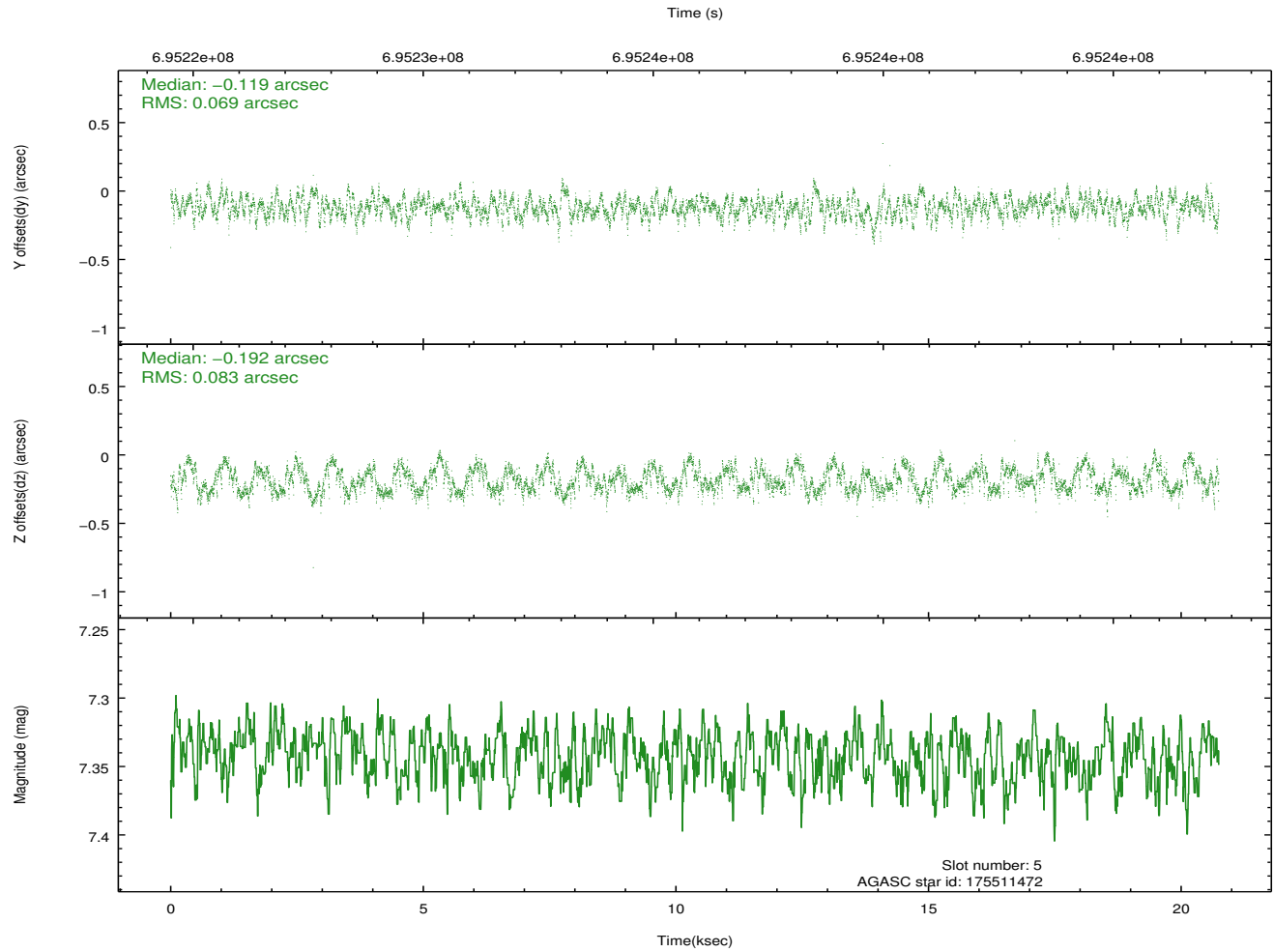
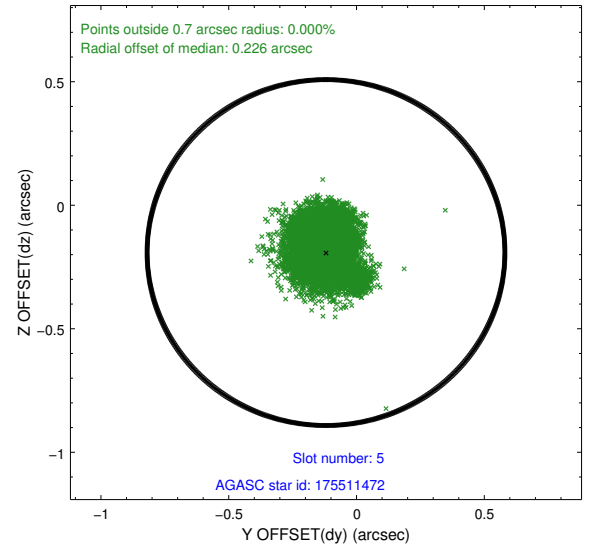
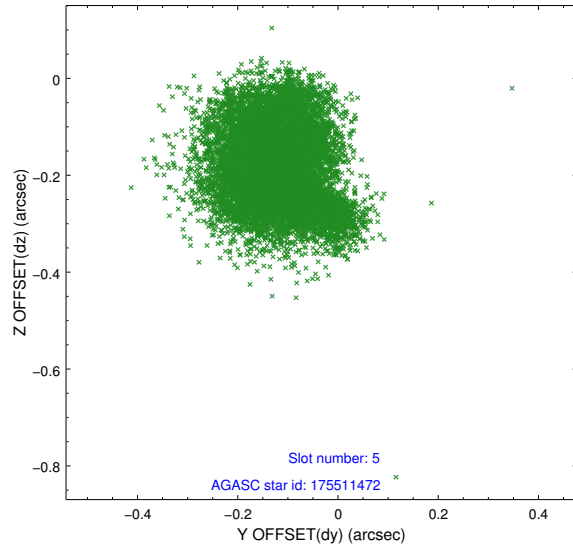
2.4.1 Slot 3



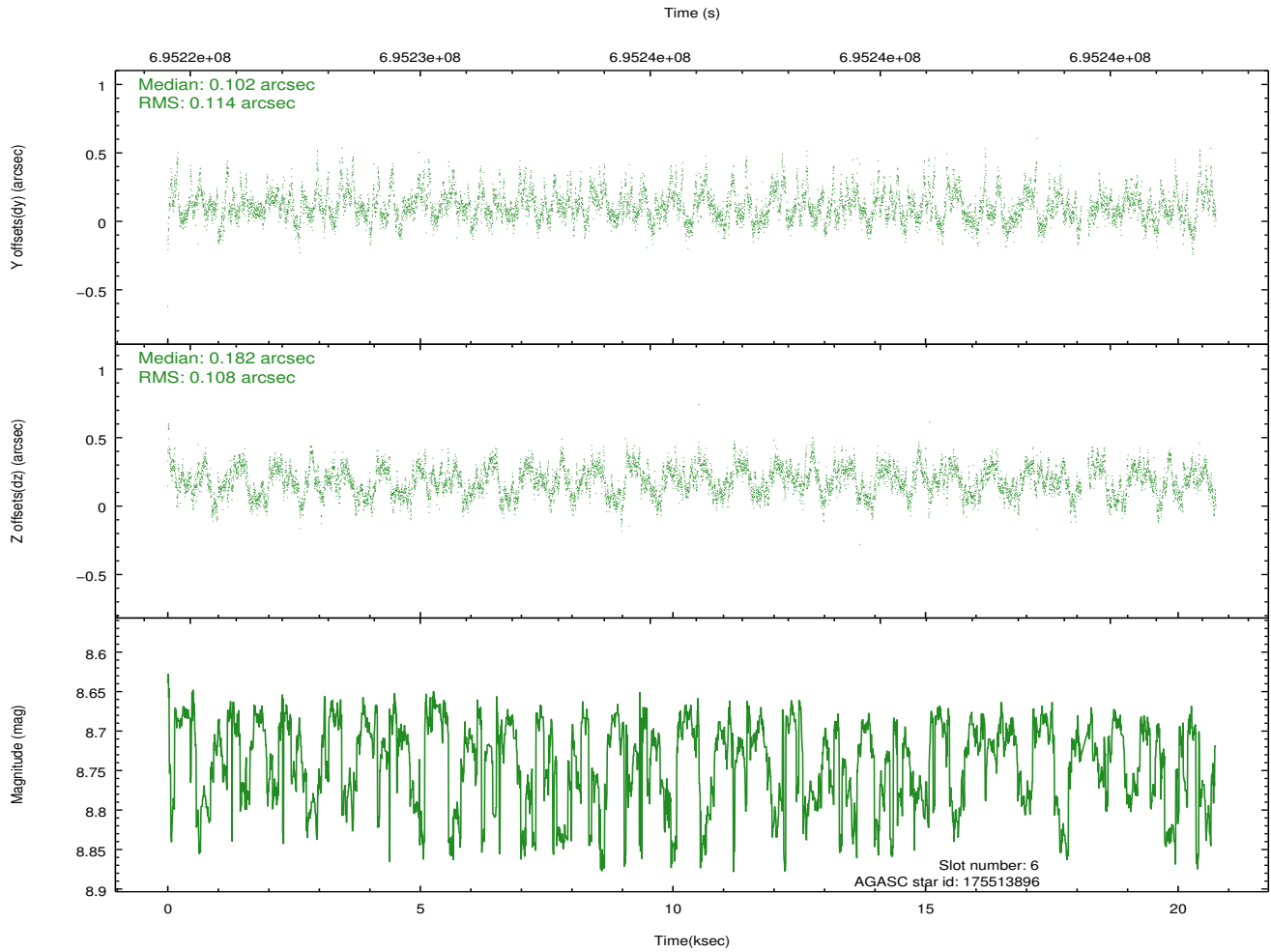
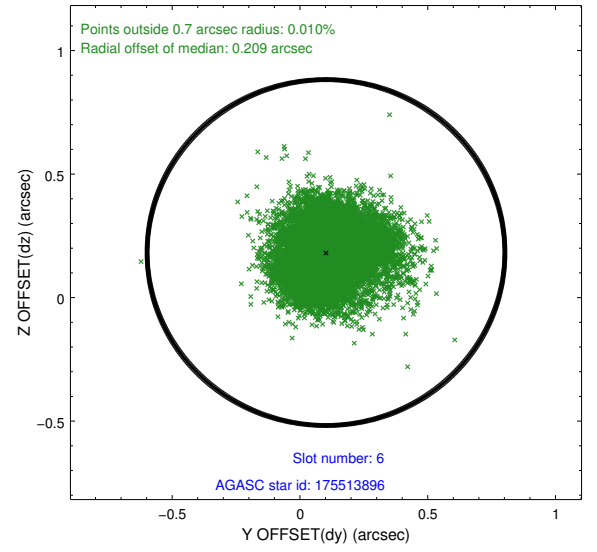
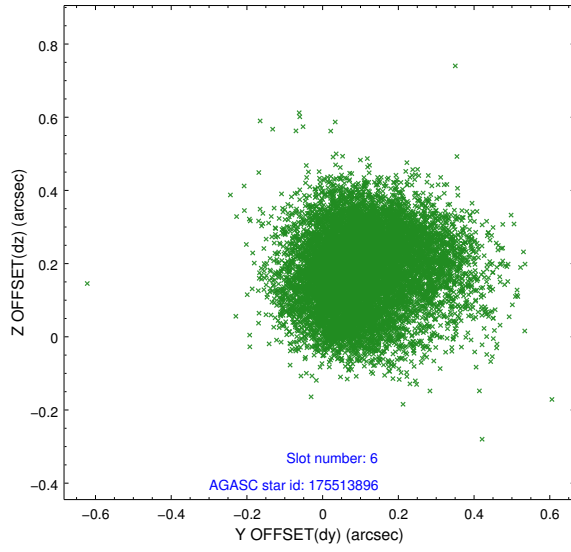
2.4.2 Slot 4



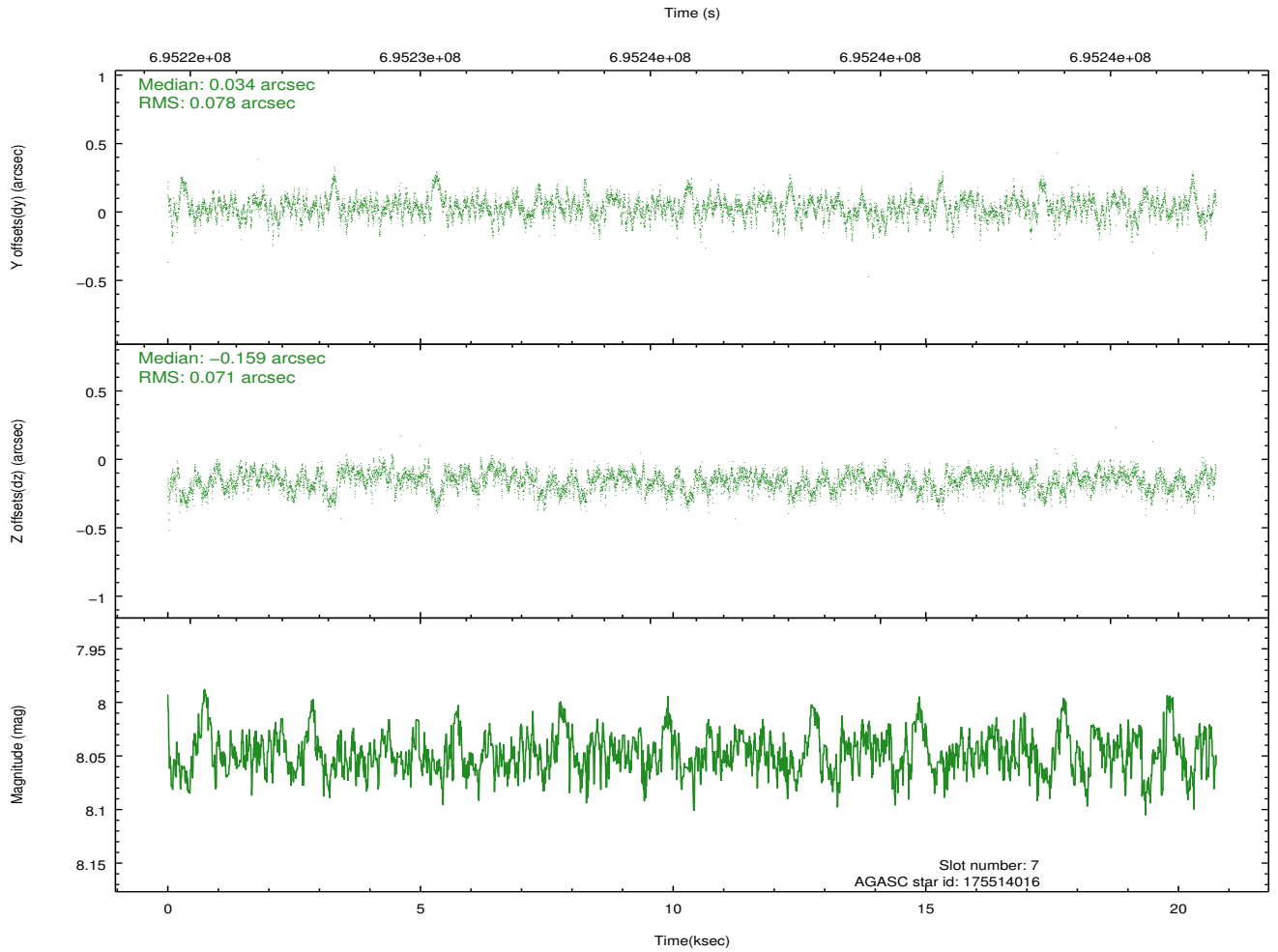
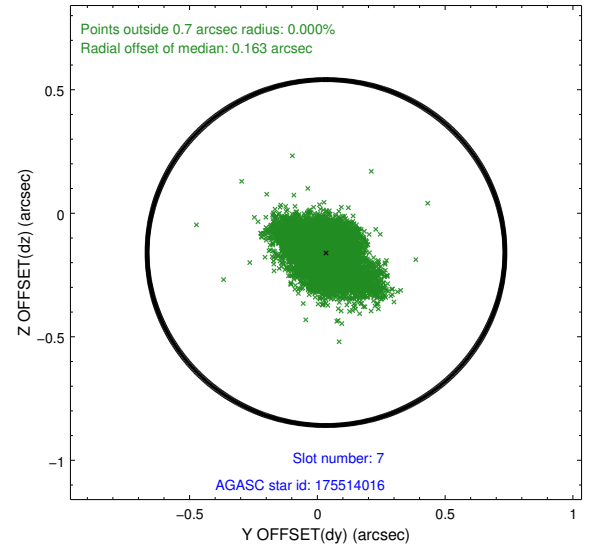
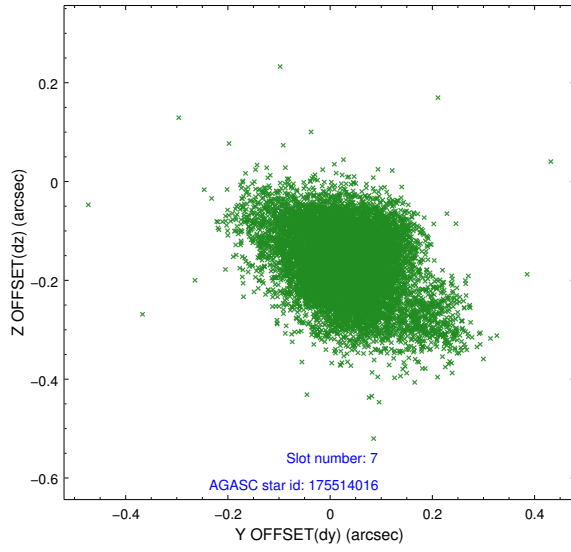
2.4.3 Slot 5



2.4.4 Slot 6

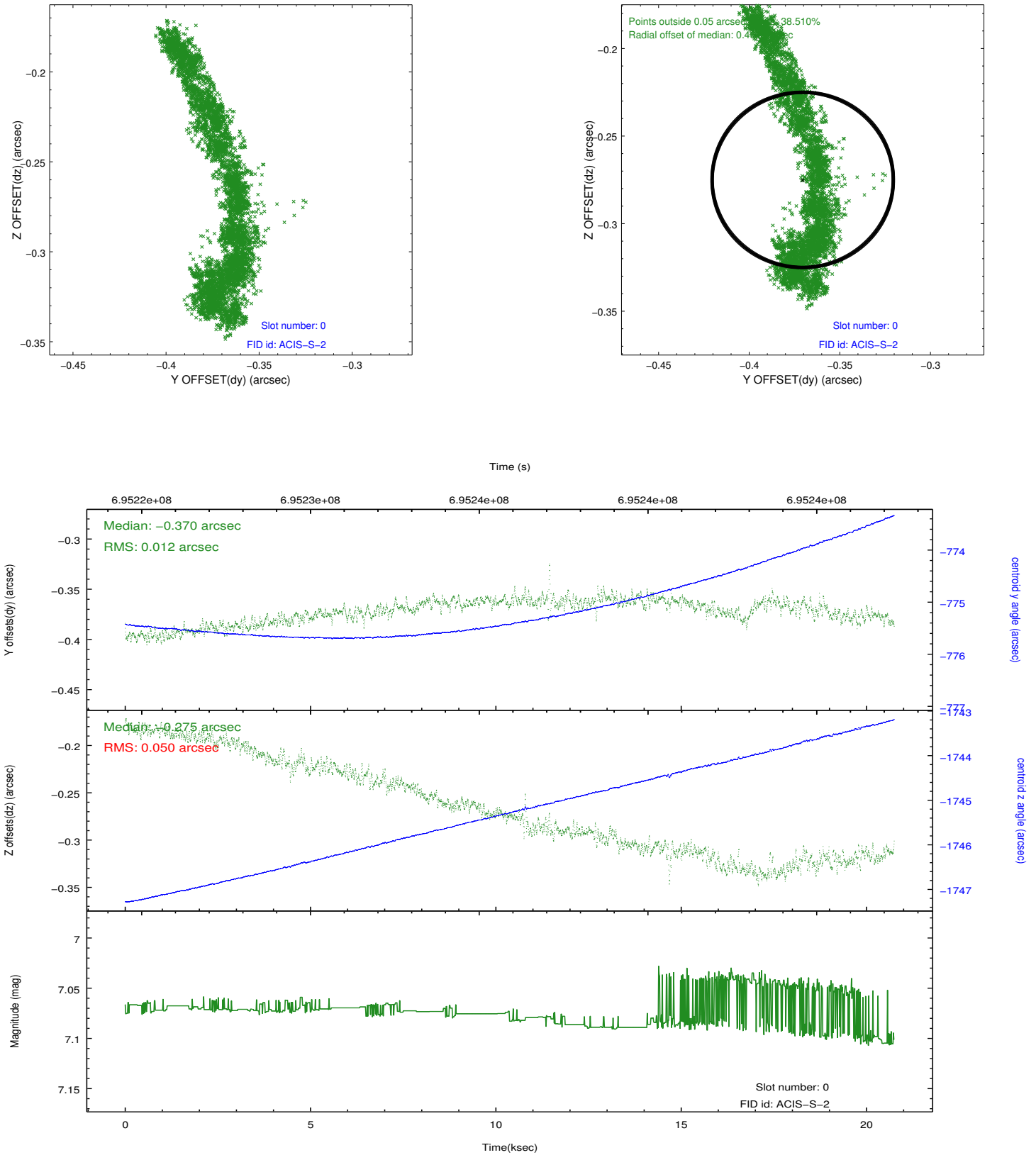


2.4.5 Slot 7

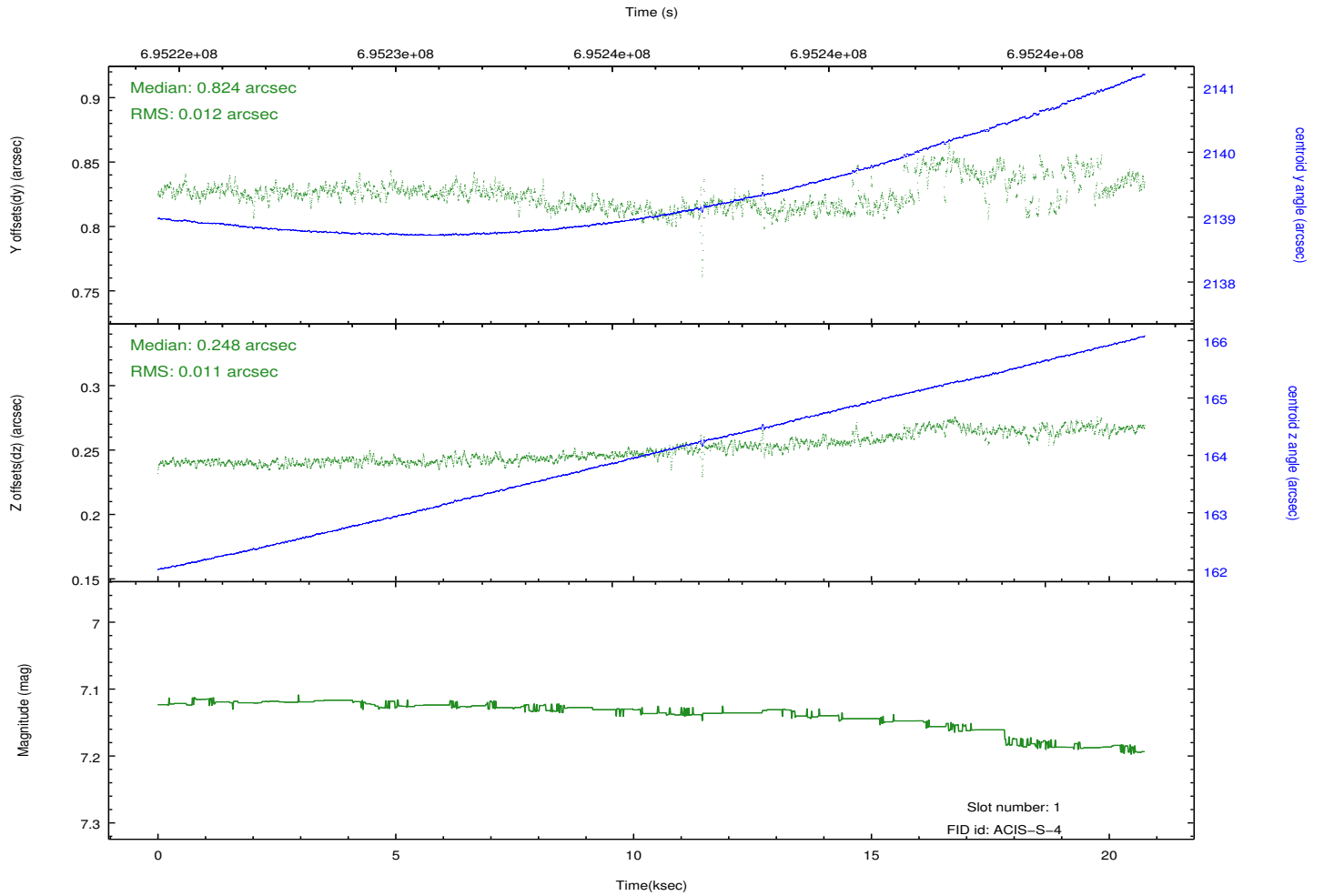
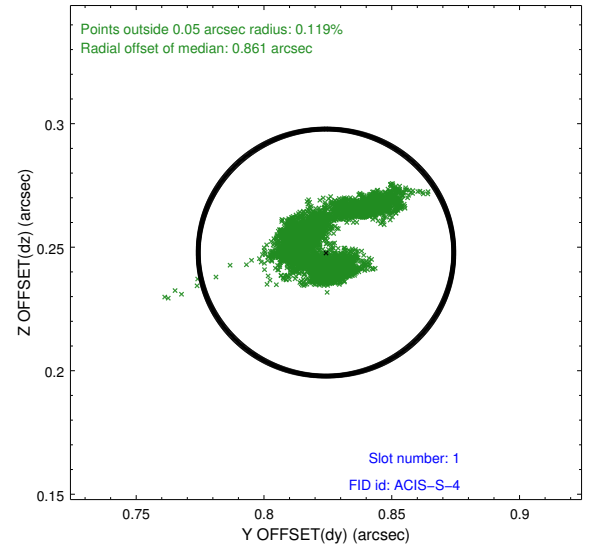
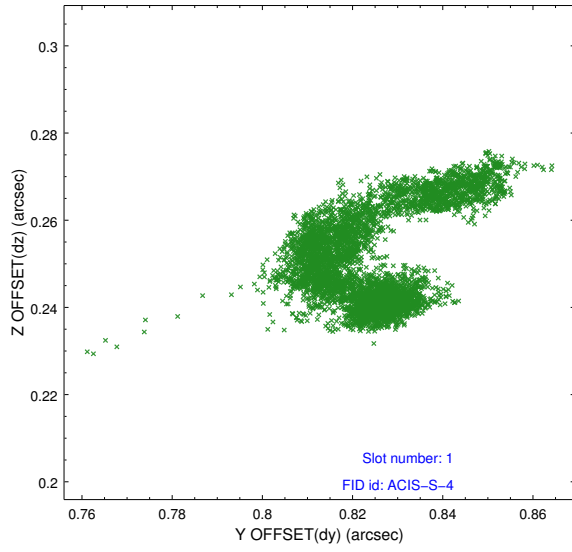


2.5 FID Slots

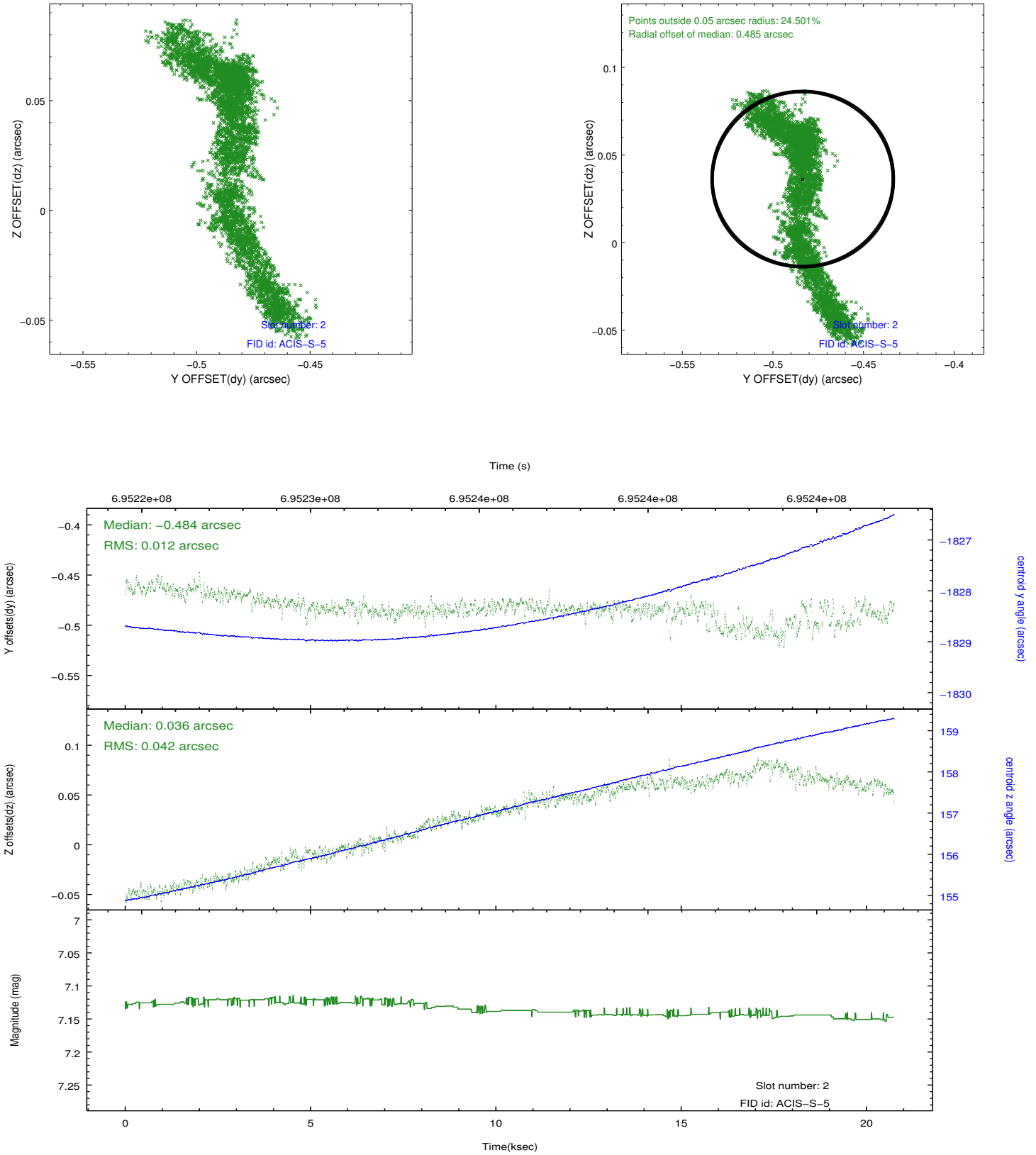
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.693800093293

A.2 Comments