

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20998 - L2 Version 2
Chandra X-Ray Center

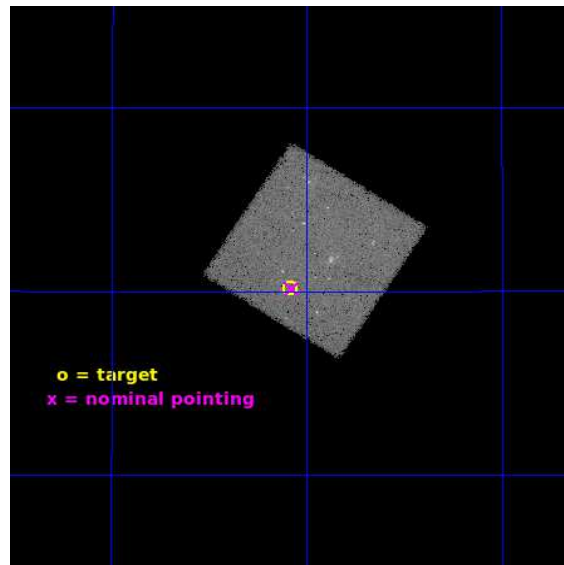
L2 Processing Date : Oct 27 2020

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1 Front

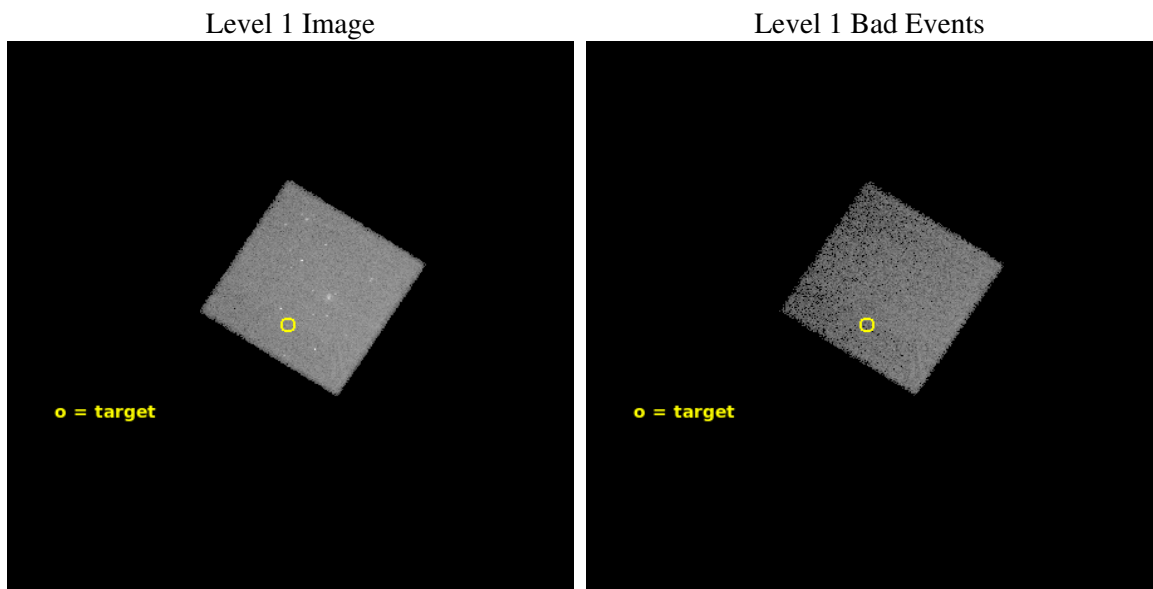
seq_num	503044	Sequence number
obs_id	20998	Observation id
title	Zeroing in on the Mass Loss Properties of Core Collapse Supernova Progenitors	Proposal title
observer	Daniel Patnaude	Principal investigator
object	SN2011dh	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	202.520833	Observer's specified target RA [deg]
dec_targ	47.169722	Observer's specified target Dec [deg]
ra_nom	202.51895304318	Nominal RA [deg]
dec_nom	47.169245412559	Nominal Dec [deg]
roll_nom	302.702269725	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20091.0	Sum of GTIs [s]
livetime	19819.864256965	Livetime [s]
ontime7	20091.0	Sum of GTIs [s]
l2events	89214	Number of level 2 events



2 OBI

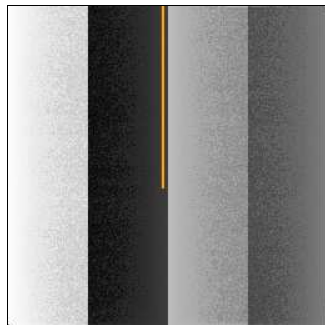
2.1 OBI

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	10.9.2	Processing system revision	ontime	20091.0	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	20091.0	Sum of GTIs [s]
date	2020-10-27T15:54:05	Date and time of file creation	l1events	197983	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

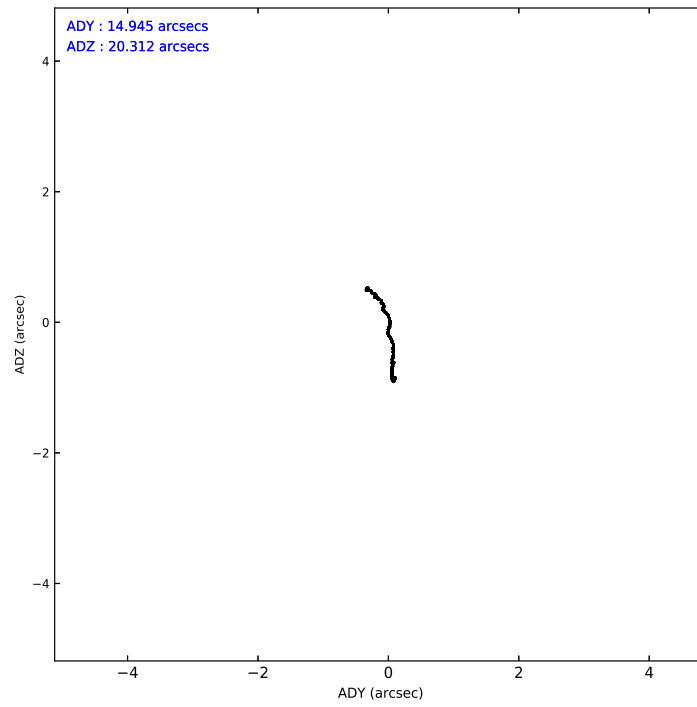
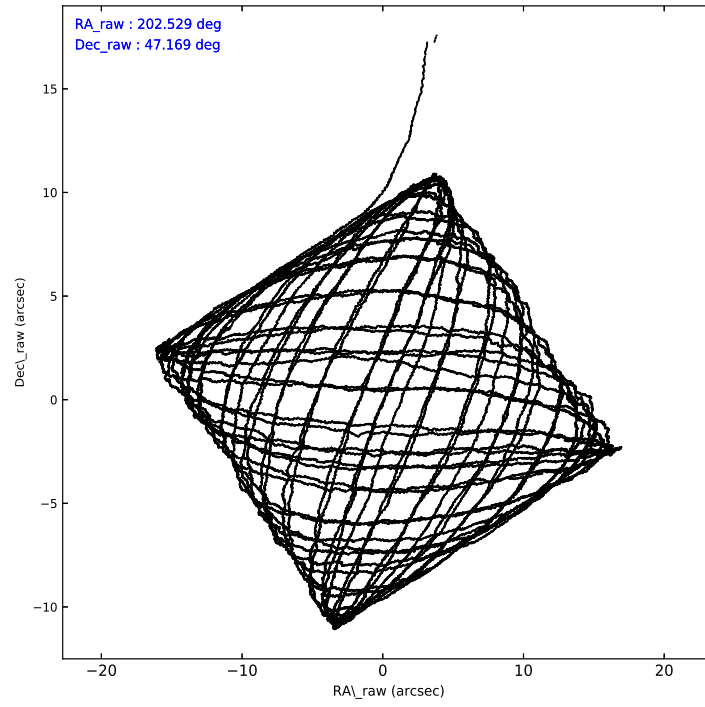
	ccd 7
level 1 events	197983
rejected events	106111
rejected %	53%

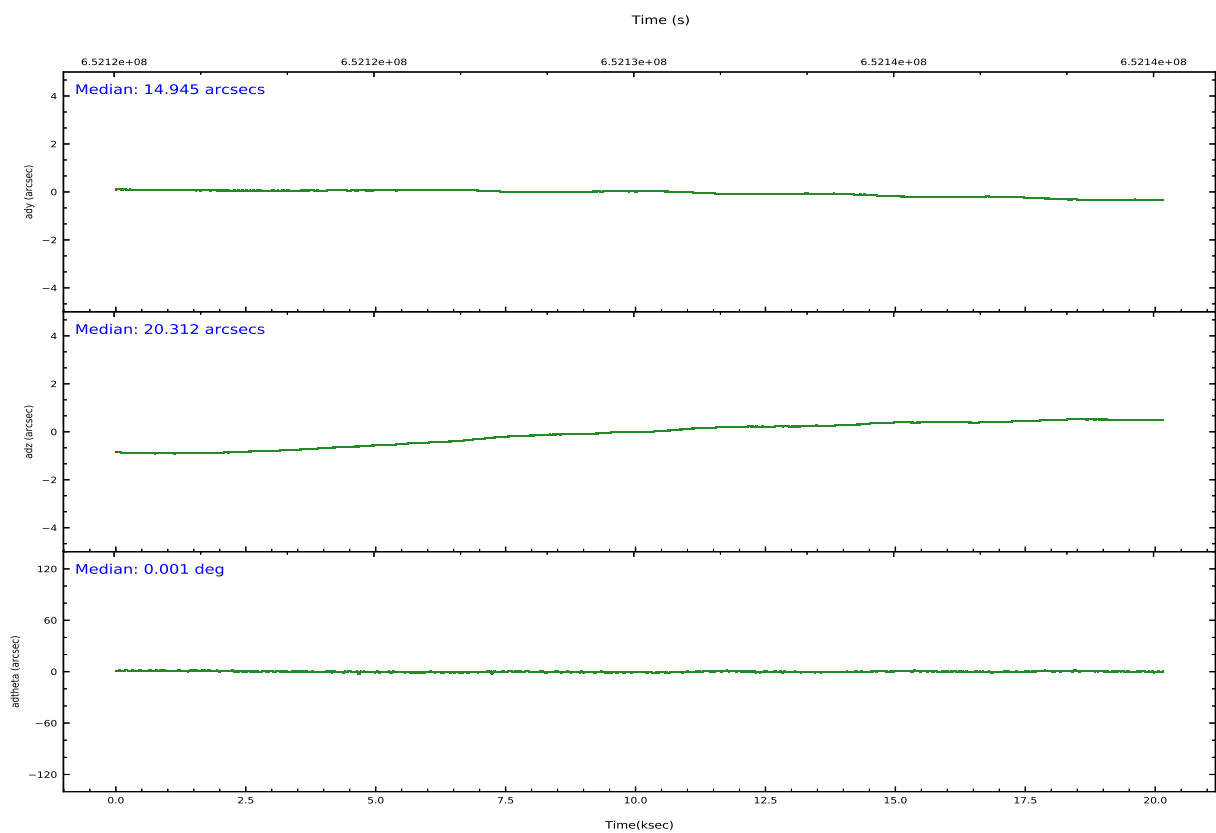
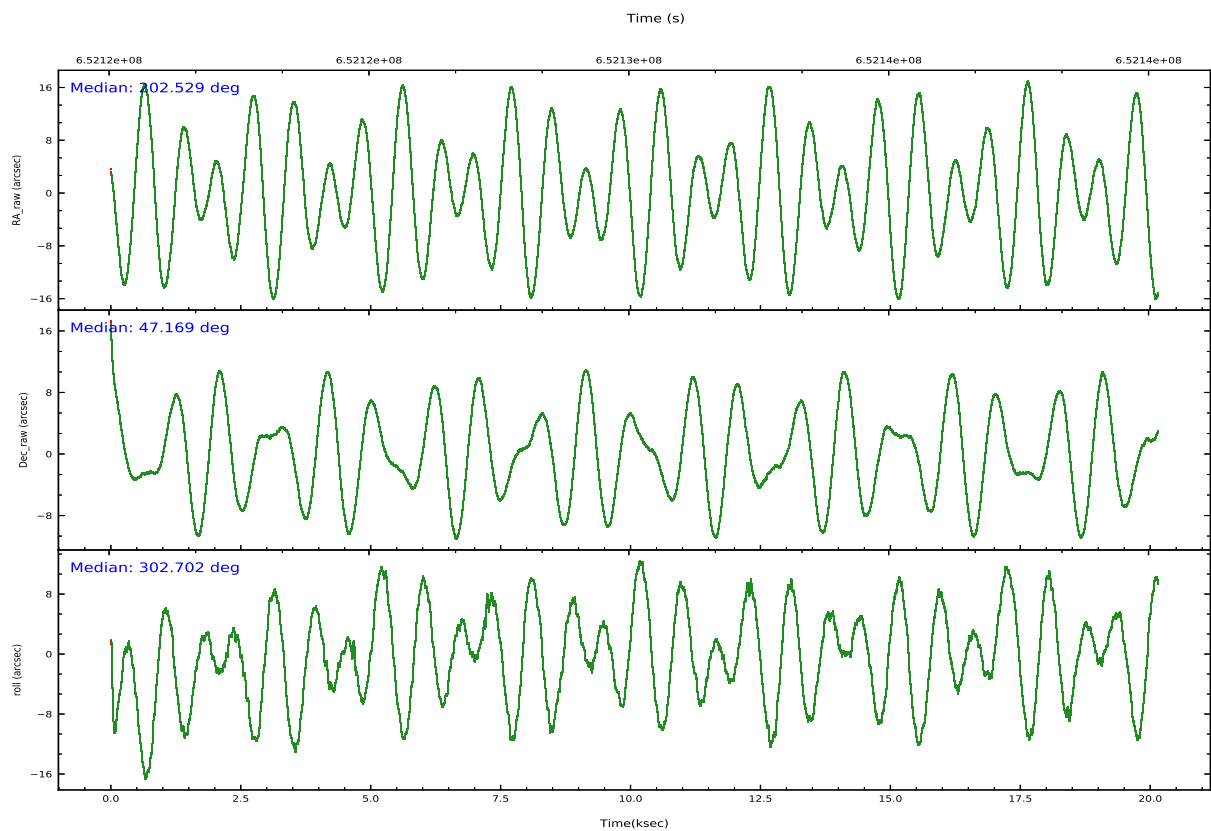
	ccd 7
grade 0 events	9333
	4%
grade 1 events	291
	0%
grade 2 events	20055
	10%
grade 3 events	7525
	3%
grade 4 events	7631
	3%
grade 5 events	19061
	9%
grade 6 events	47340
	23%
grade 7 events	86747
	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
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	202.493480	202.51895304318	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.181021	47.169245412559	Alternating exposures requested	N	N
[deg] Pointing Roll	302.574845	302.702269725	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	652120185.184000	652118911.62827			
Observation start date	2018-08-31T16:28:36	2018-08-31T16:08:31			
[s] Observation end time (MET)	652140185.184000	652141277.6421			
Observation end date	2018-08-31T22:01:56	2018-08-31T22:21:17			
Read mode	TIMED	TIMED			

2.3 Aspect



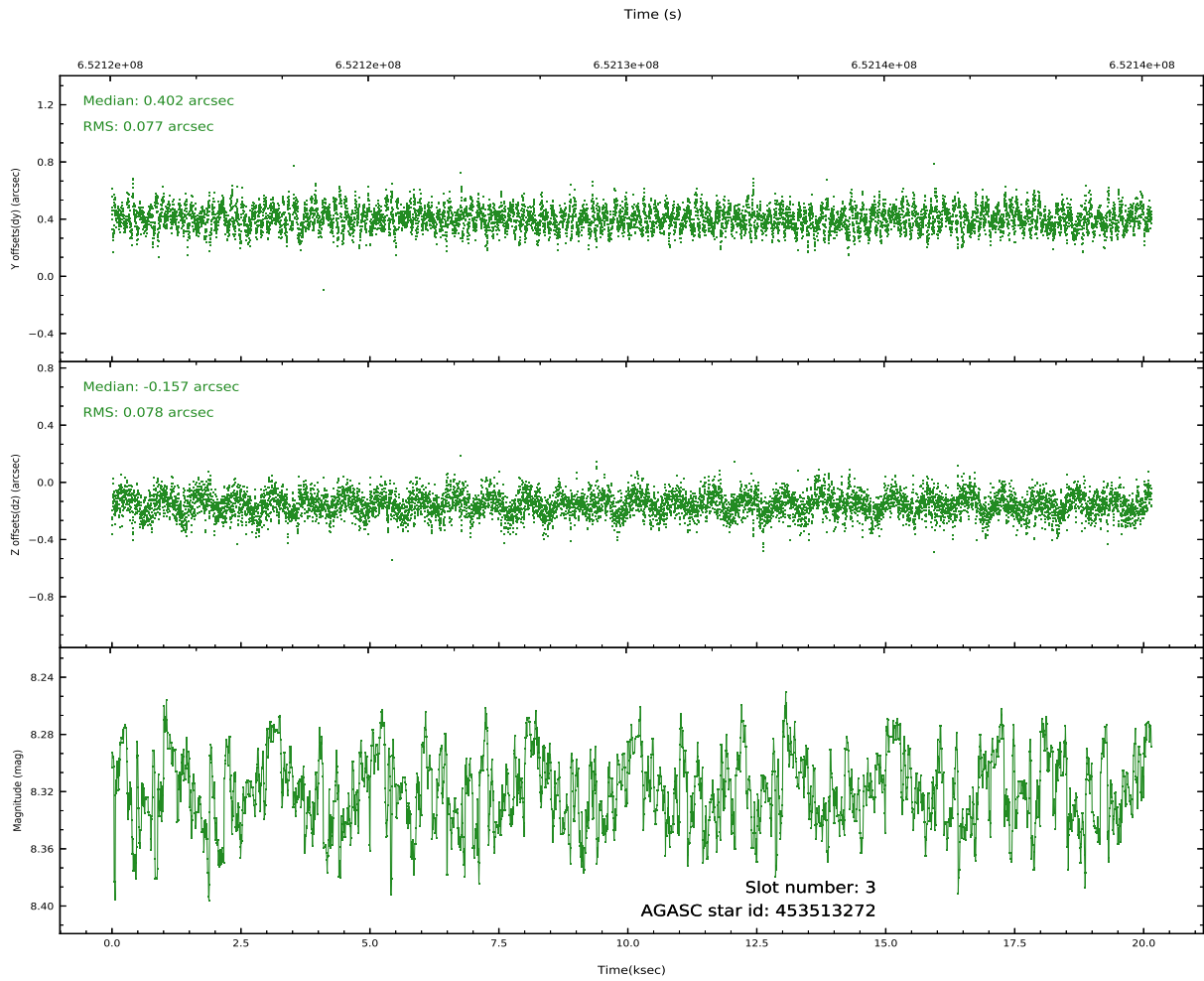
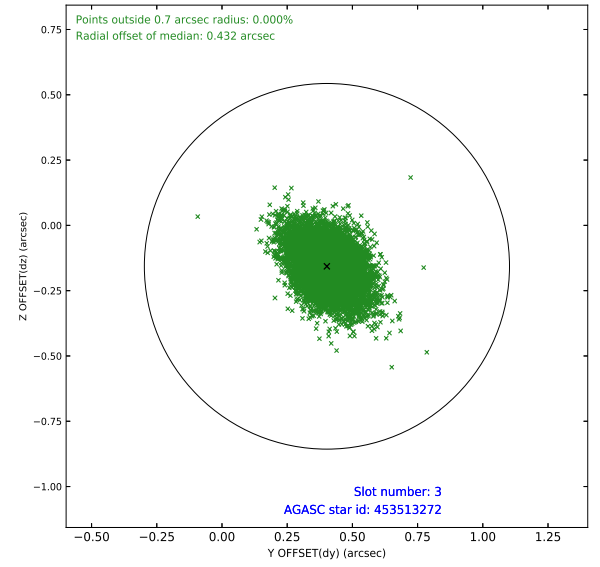
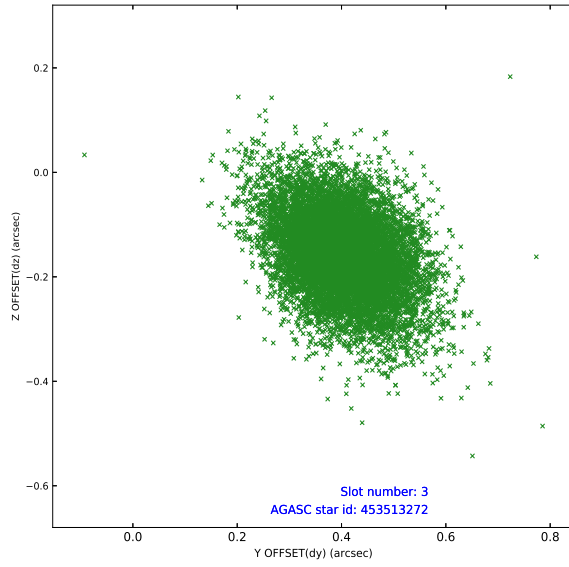


Slot Statistics

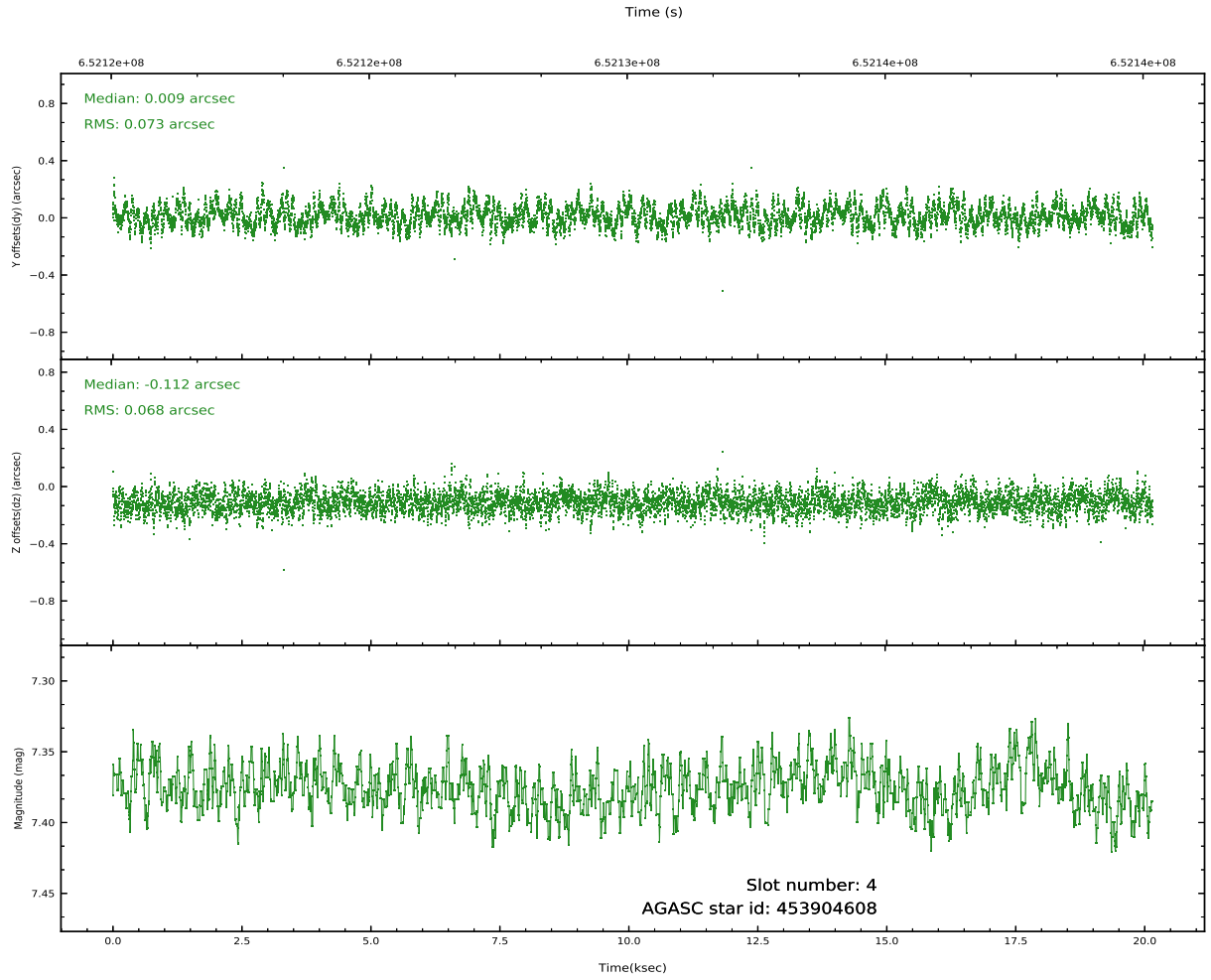
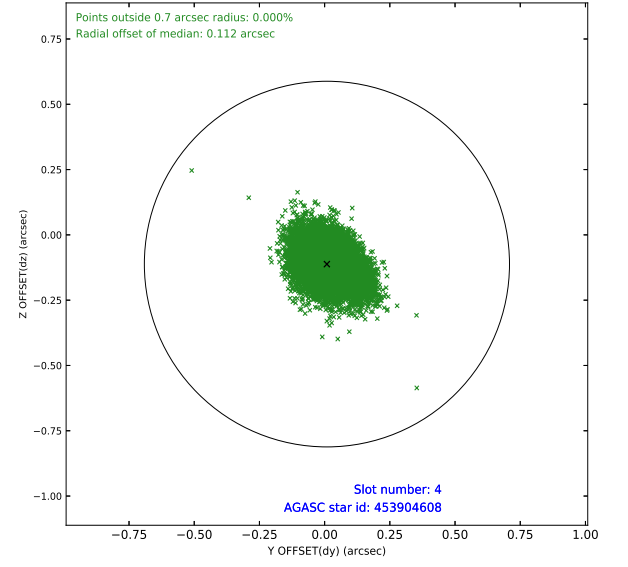
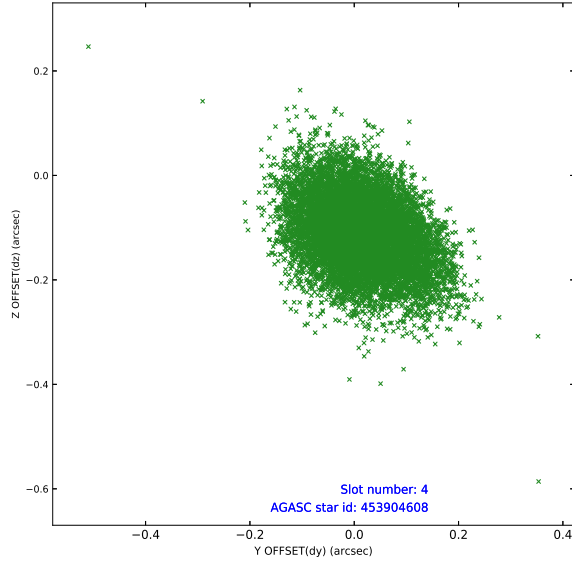
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.95	4915	1.000	0.057	-0.039	0.015	0.028	0.000000	0.000000	-767.96	-1741
1	FID		ACIS-S-4	7.06	4915	1.000	0.155	-0.015	0.011	0.018	0.000000	0.000000	2145.50	166
2	FID		ACIS-S-5	7.05	4915	1.000	-0.241	0.064	0.013	0.028	0.000000	0.000000	-1820.69	160
3	GUIDE	used	453513272	8.32	9823	1.000	0.402	-0.157	0.113	0.192	202.328071	46.370917	2236.64	-1915
4	GUIDE	used	453904608	7.38	9828	1.000	0.009	-0.112	0.106	0.171	202.983748	47.234418	480.89	1115
5	GUIDE	used	454301224	9.08	9818	1.000	-0.185	0.168	0.126	0.216	202.695733	47.993594	-2203.44	1986
6	GUIDE	used	453509920	7.25	9831	1.000	-0.203	0.169	0.096	0.158	202.256826	47.847140	-2329.99	809
7	GUIDE	used	453904928	8.65	9821	1.000	-0.029	-0.067	0.111	0.175	203.391671	46.796779	2346.72	1128

2.4 Star Slots

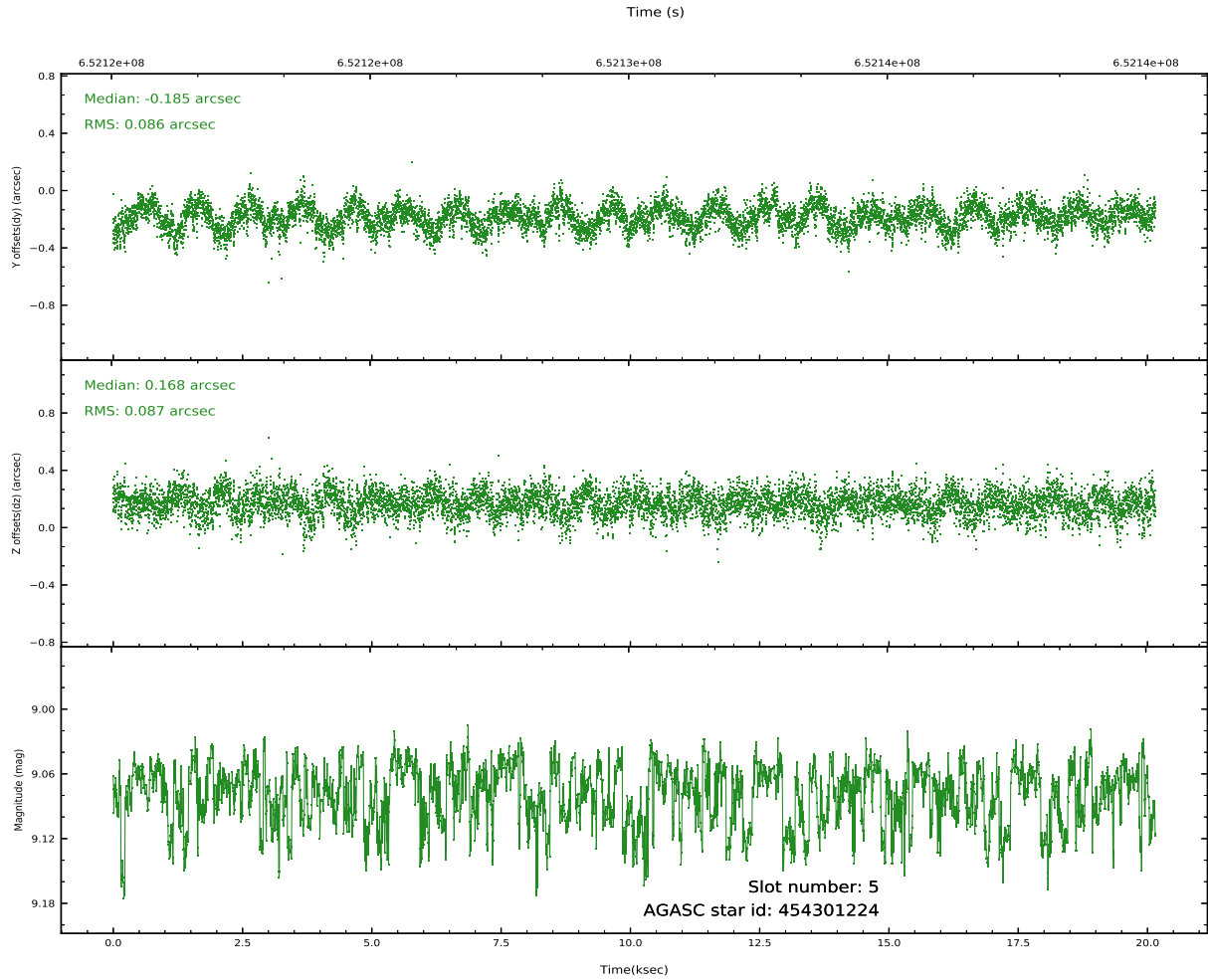
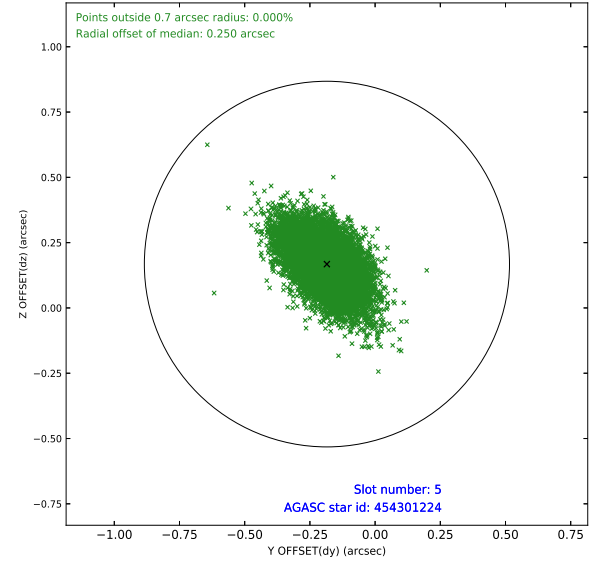
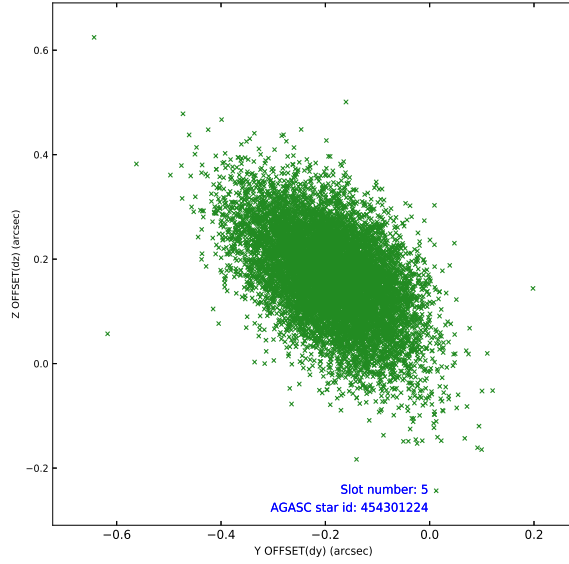
2.4.1 Slot 3



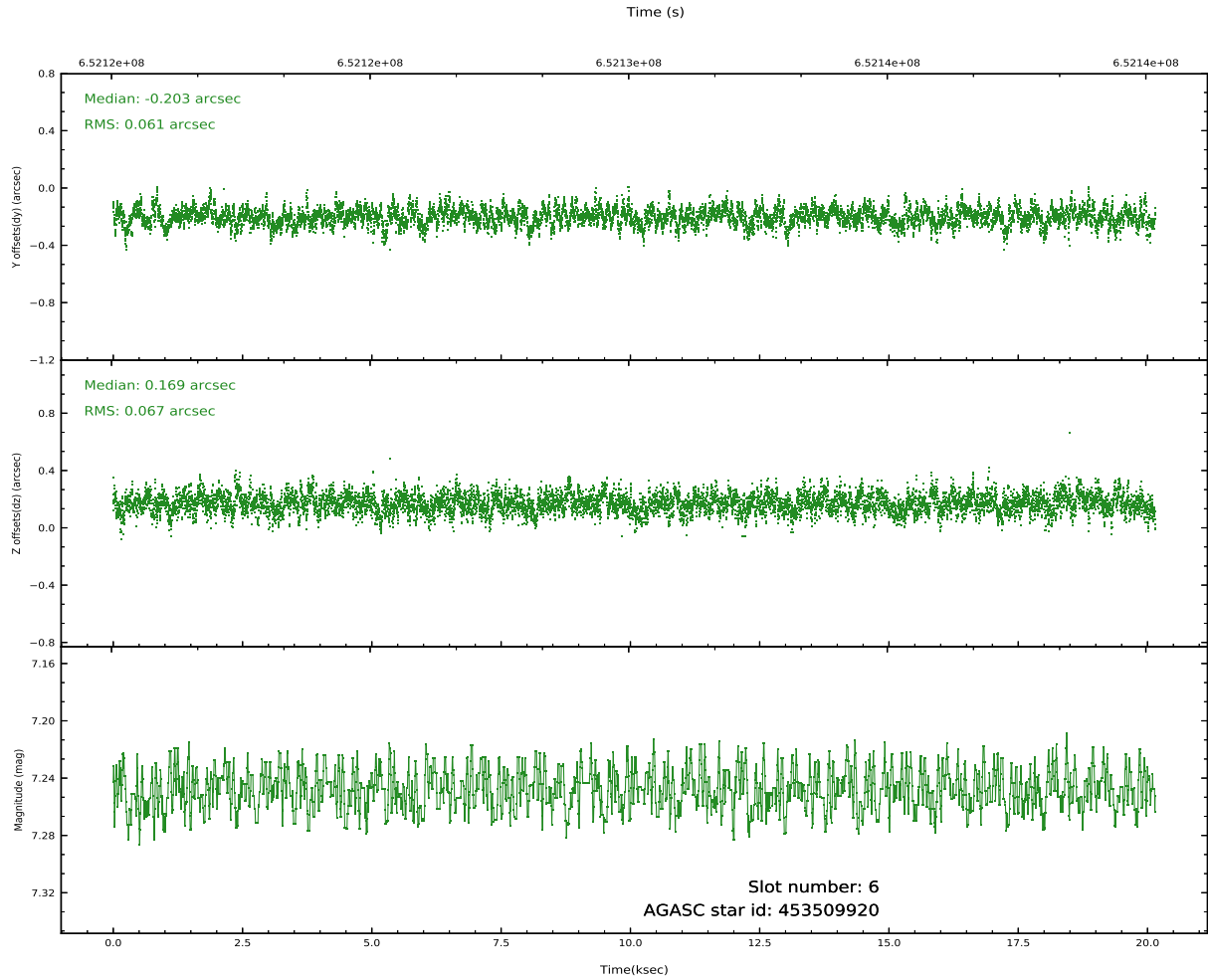
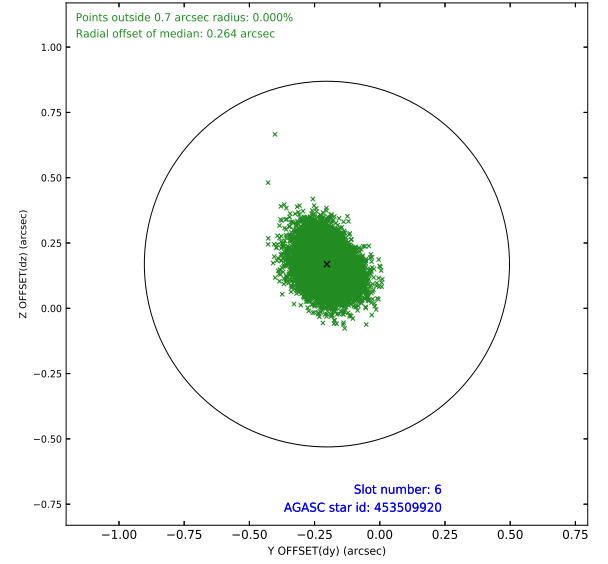
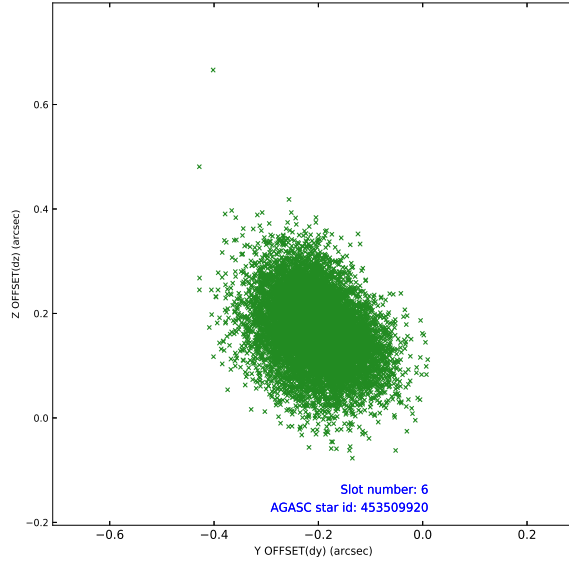
2.4.2 Slot 4



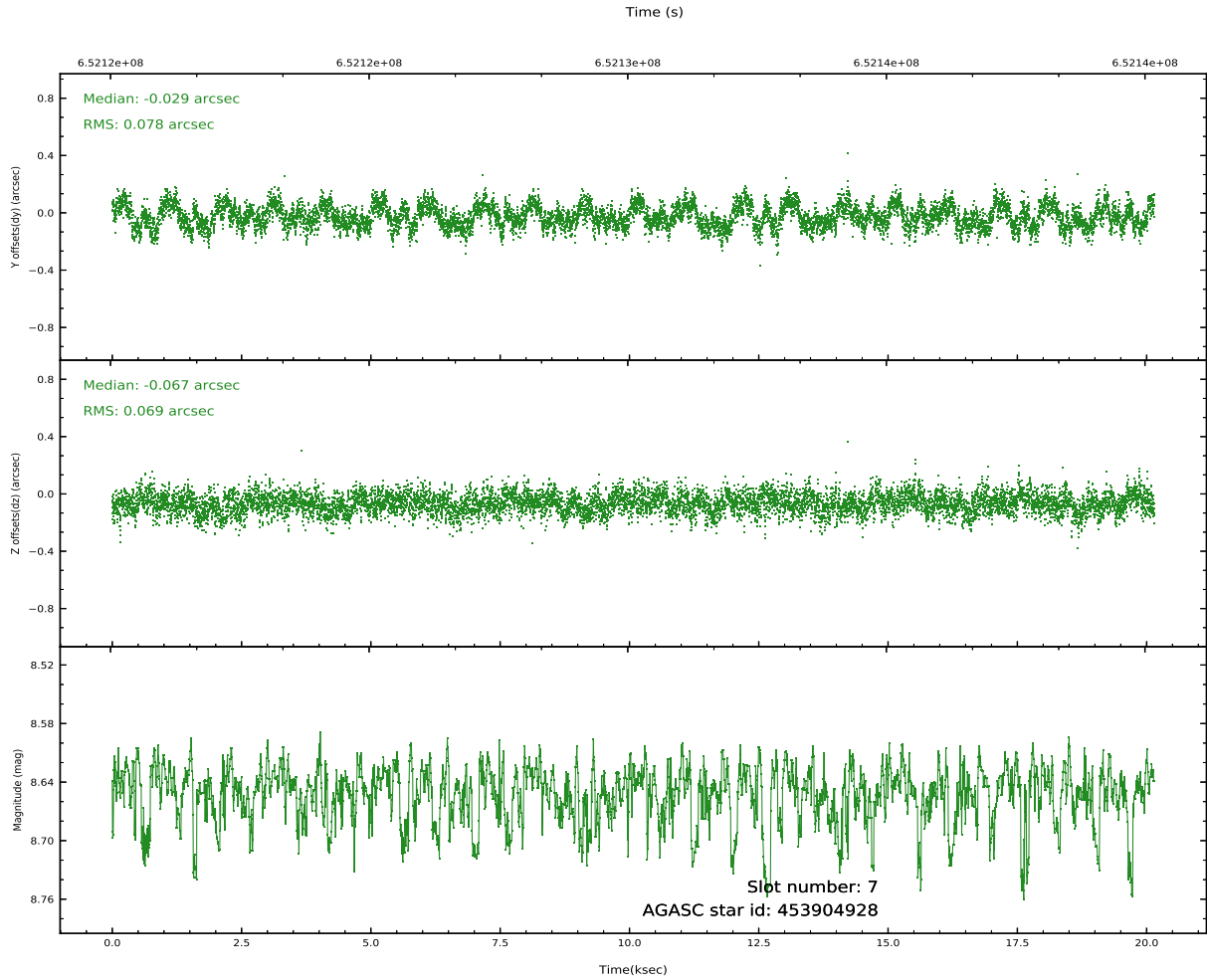
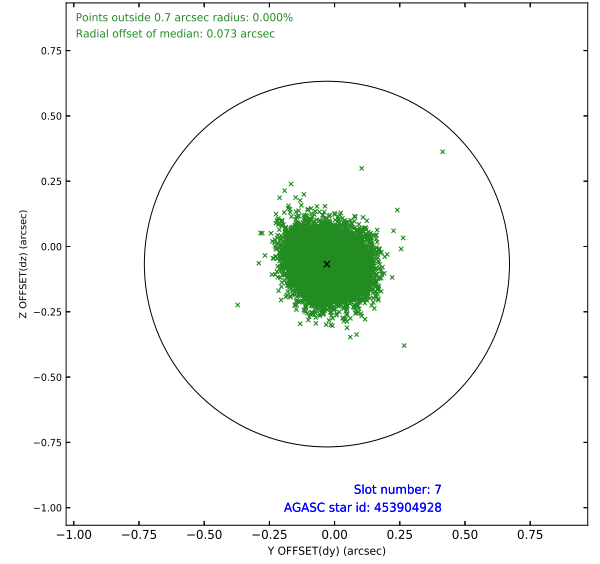
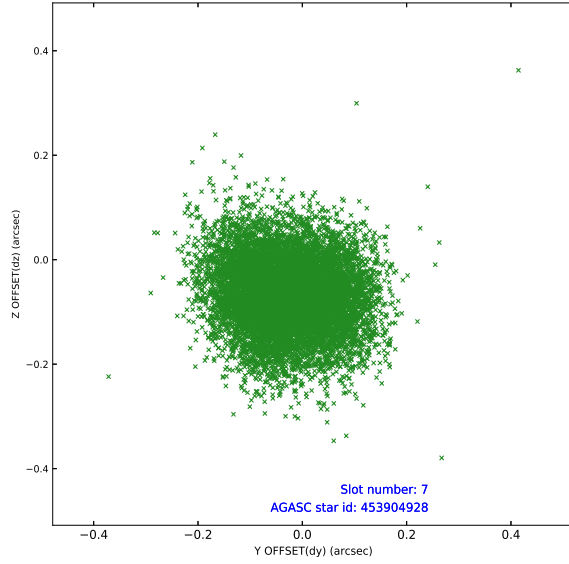
2.4.3 Slot 5



2.4.4 Slot 6

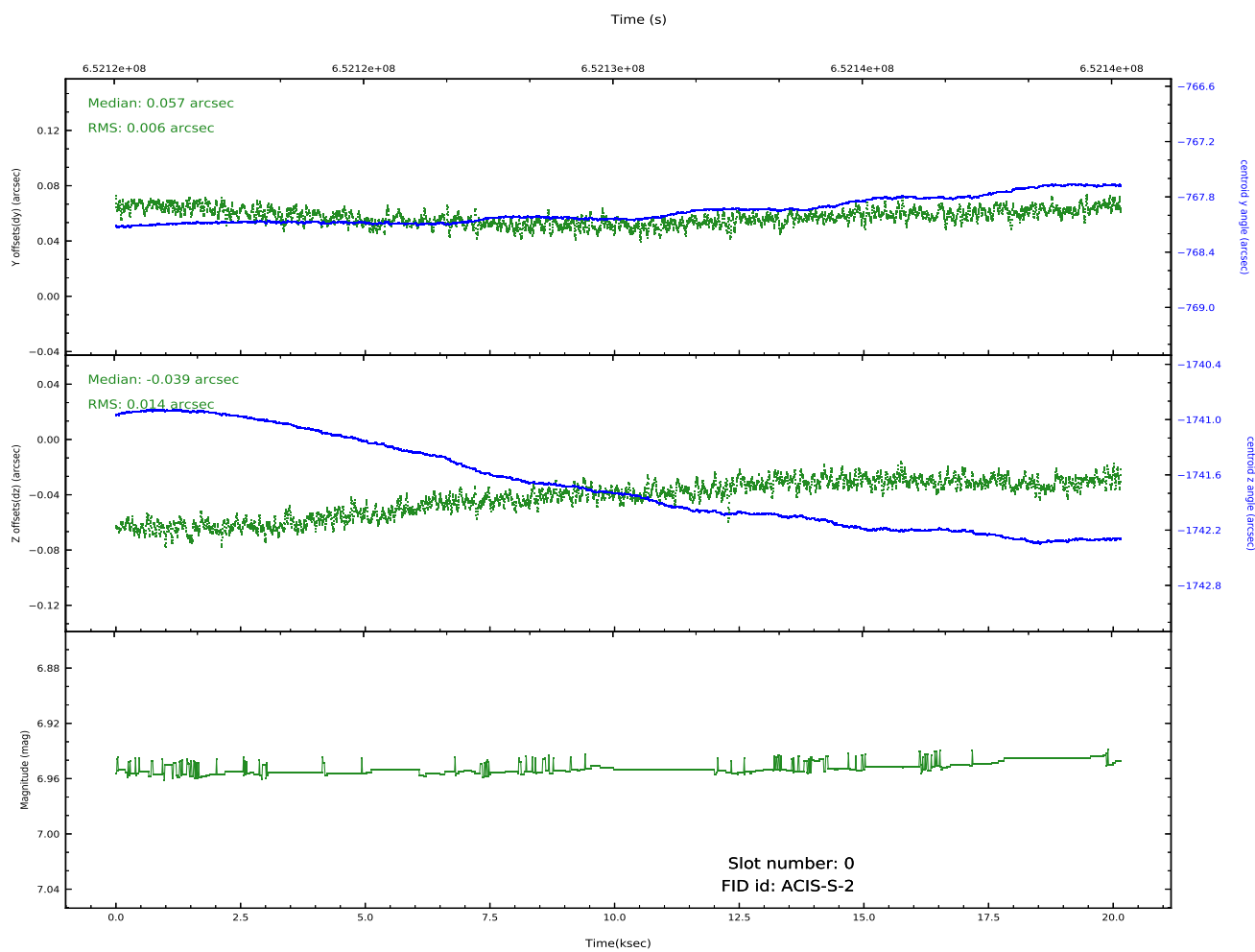
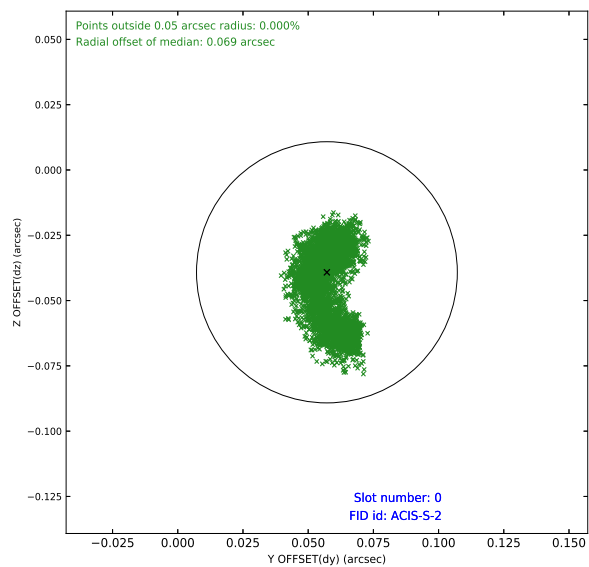
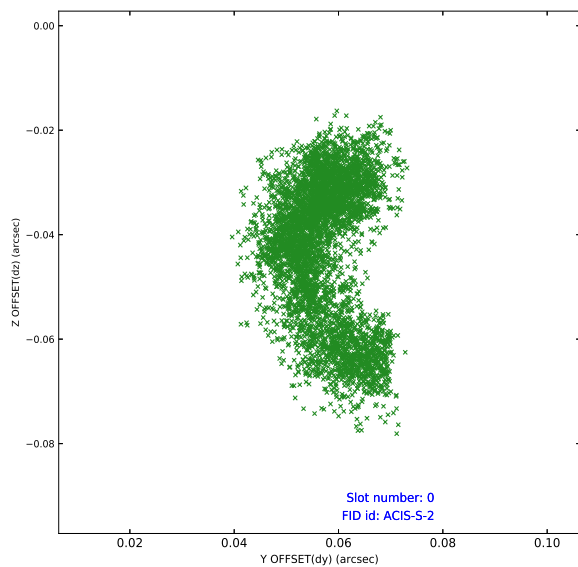


2.4.5 Slot 7

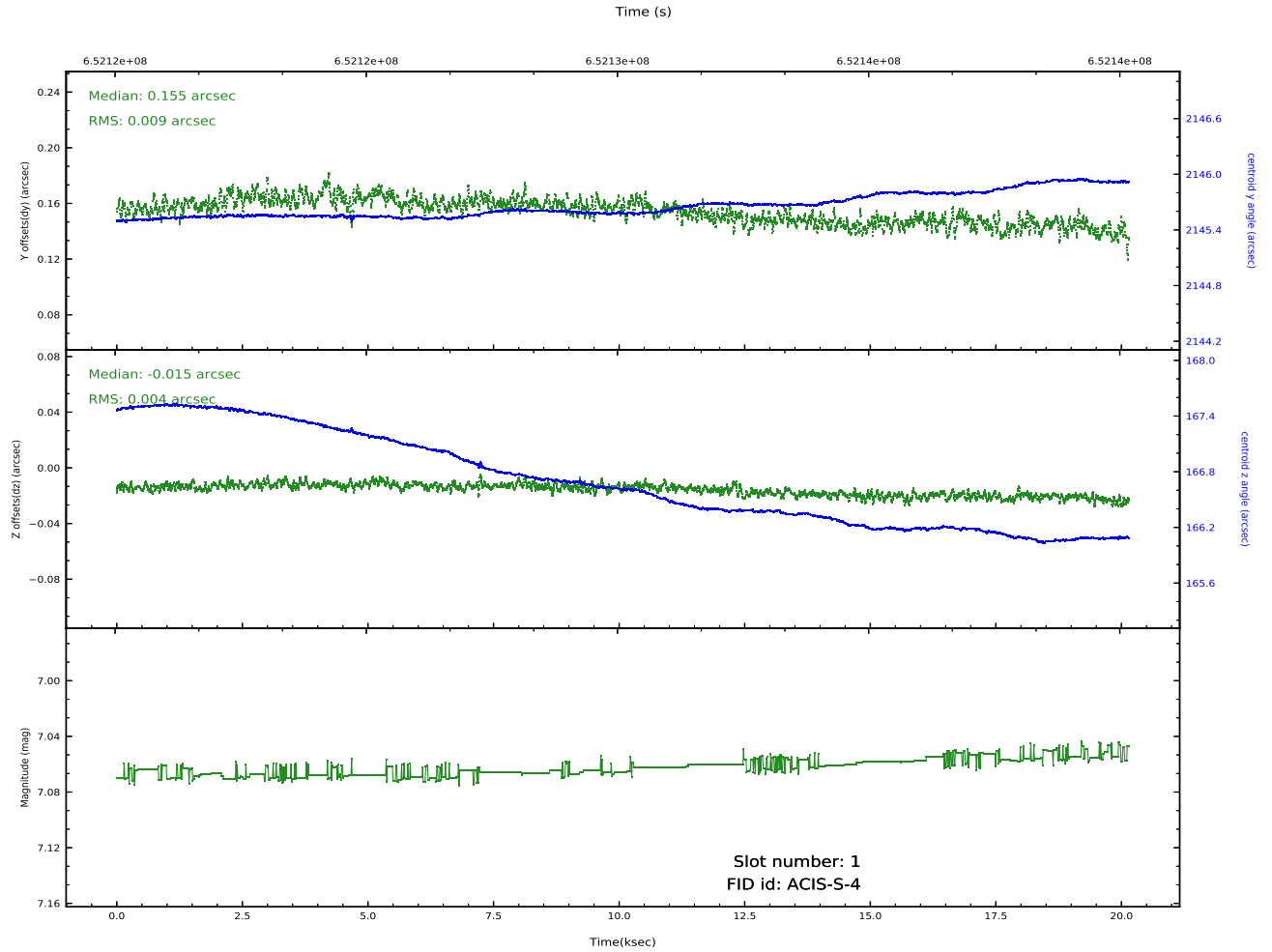
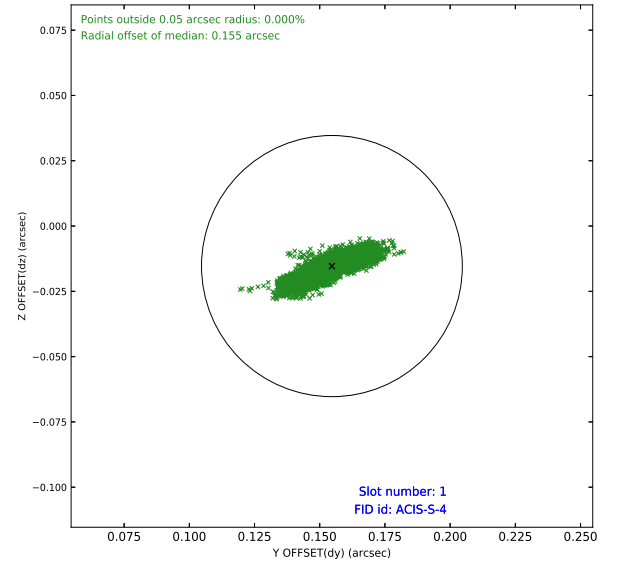
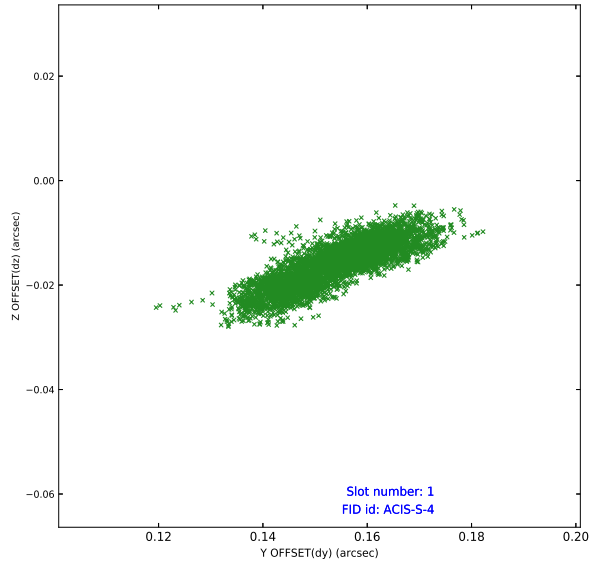


2.5 FID Slots

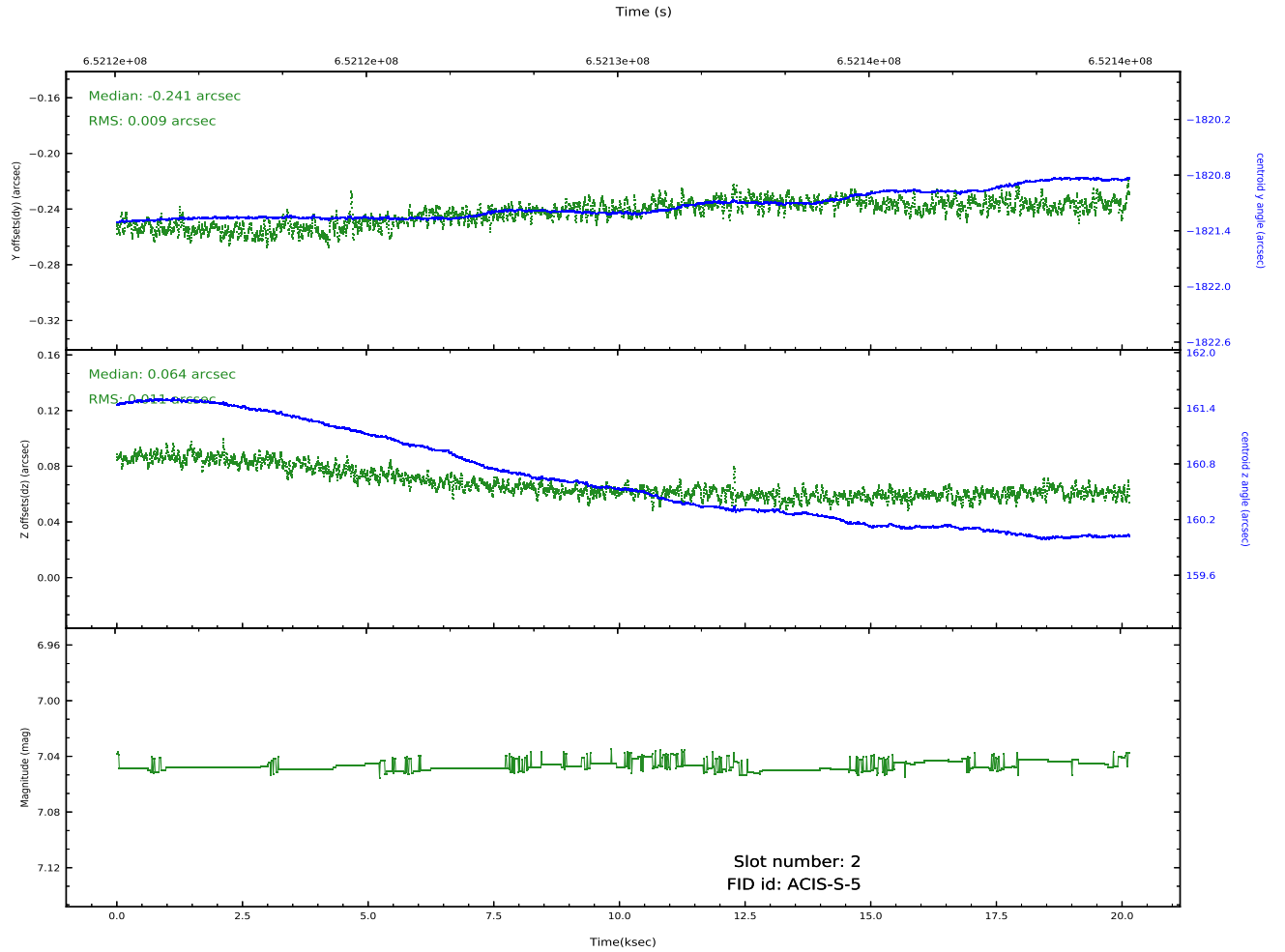
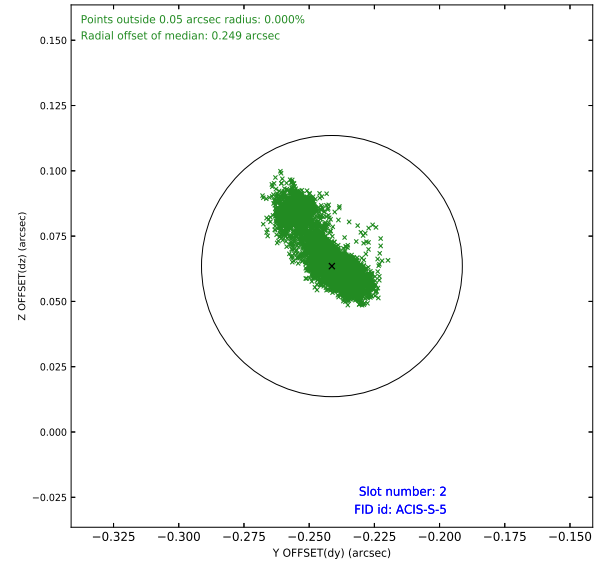
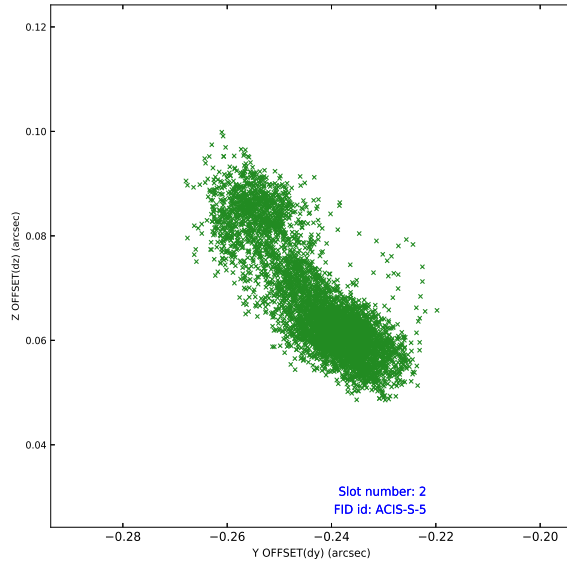
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.091

A.2 Comments