

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 19138 - L2 Version 2
Chandra X-Ray Center

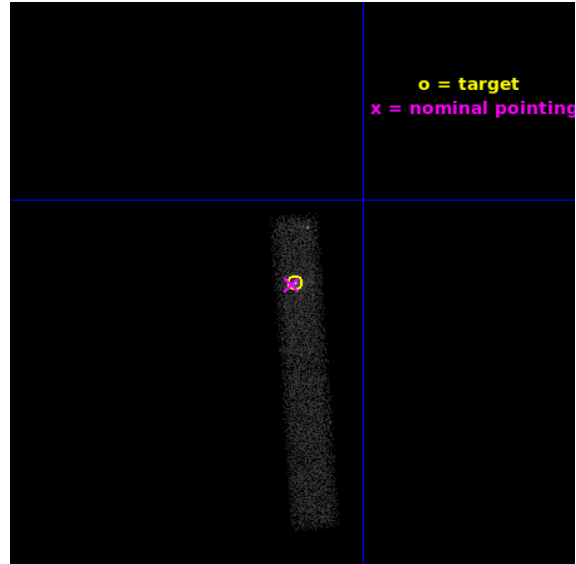
L2 Processing Date : Oct 24 2020

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1 Front

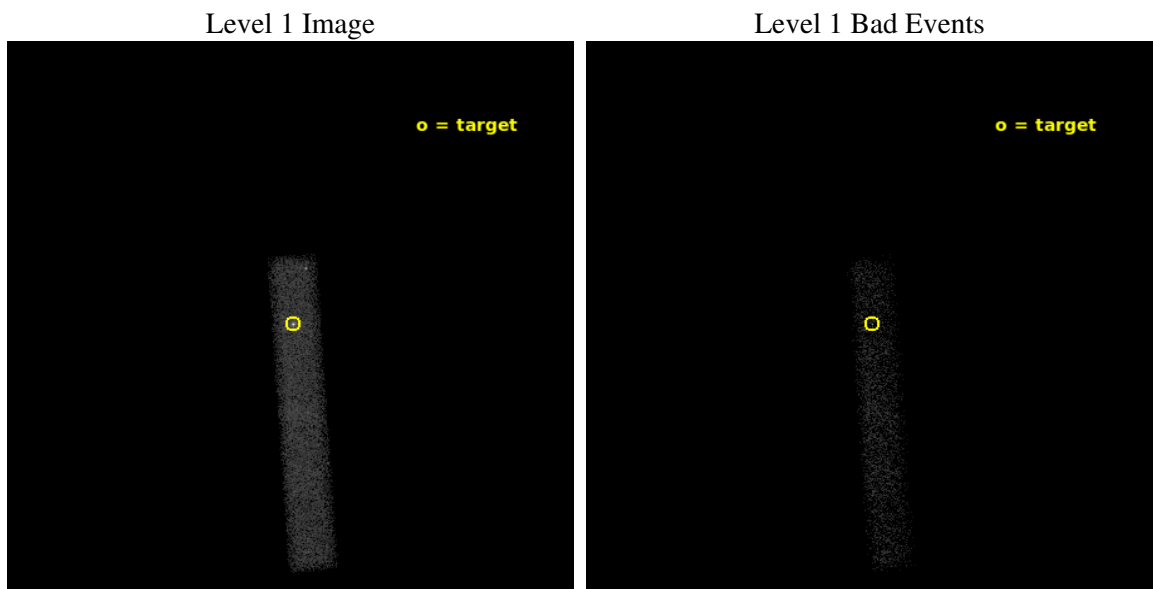
seq_num	502788	Sequence number
obs_id	19138	Observation id
title	PROMPT STUDY OF MAGNETAR OUTBURSTS WITH CHANDRA AND NUSTAR	Proposa
observer	Nanda Rea	Principal investigator
object	CXO J164710.2-455216	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	251.7925	Observer's specified target RA [deg]
dec_targ	-45.871389	Observer's specified target Dec [deg]
ra_nom	251.79458795394	Nominal RA [deg]
dec_nom	-45.872067844117	Nominal Dec [deg]
roll_nom	86.147039013993	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20068.356401801	Sum of GTIs [s]
livetime	18200.939961728	Livetime [s]
ontime7	20068.356401801	Sum of GTIs [s]
l2events	19833	Number of level 2 events



2 OBI

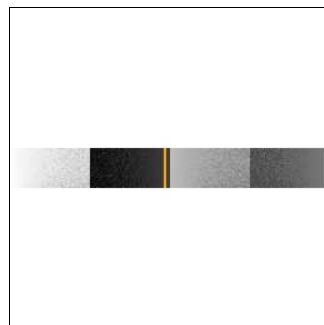
2.1 OBI

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	20068.356401801	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	20068.356401801	Sum of GTIs [s]
date	2020-10-24T18:47:39	Date and time of file creation	l1events	33436	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

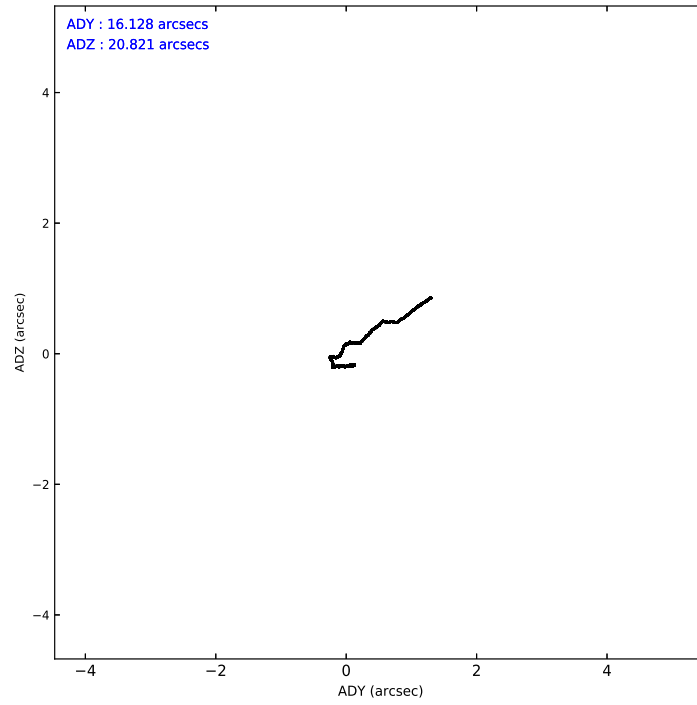
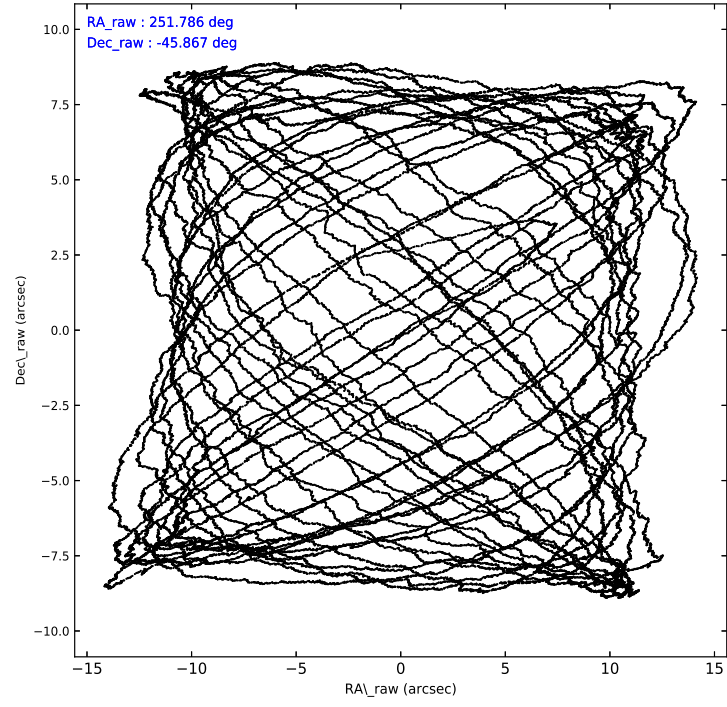
	ccd 7
level 1 events	33436
rejected events	13029
rejected %	38%

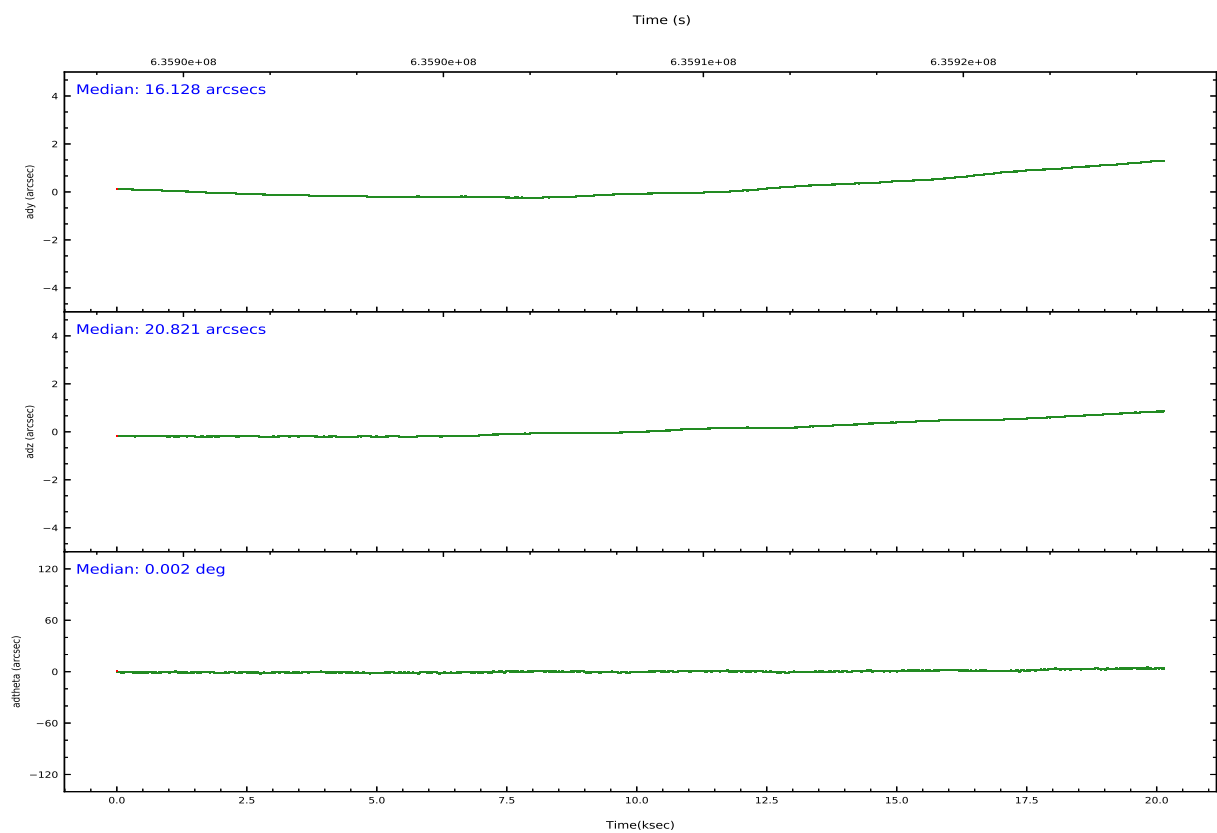
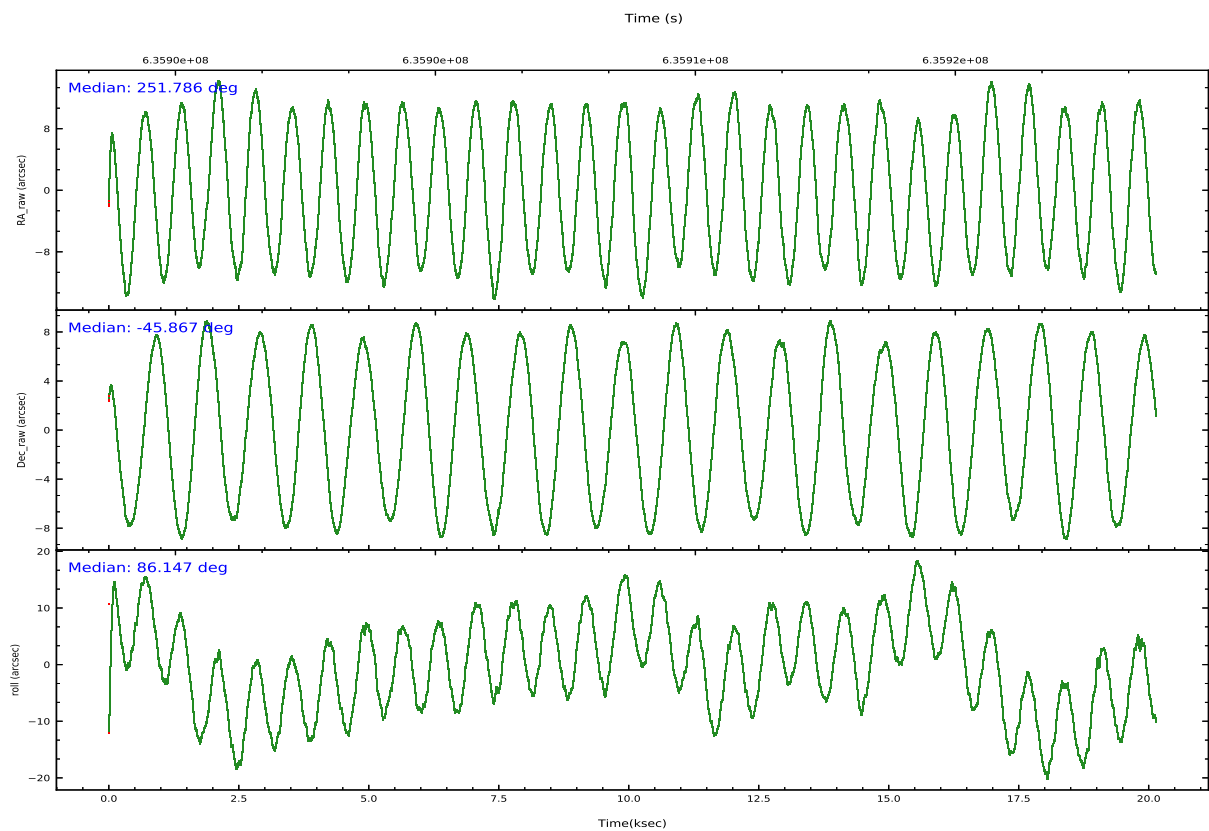
	ccd 7
grade 0 events	2814
	8%
grade 1 events	63
	0%
grade 2 events	4439
	13%
grade 3 events	2631
	7%
grade 4 events	2419
	7%
grade 5 events	2699
	8%
grade 6 events	8104
	24%
grade 7 events	10267
	30%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	251.804288	251.79458795394	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-45.891438	-45.872067844117	Subarray start row	449	449
[deg] Pointing Roll	86.008464	86.14703901399299	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	635898862.184000	635897370.34391			
Observation start date	2018-02-24T22:33:13	2018-02-24T22:09:30			
[s] Observation end time (MET)	635918862.184000	635919891.6452399			
Observation end date	2018-02-25T04:06:33	2018-02-25T04:24:51			
Read mode	TIMED	TIMED			

2.3 Aspect



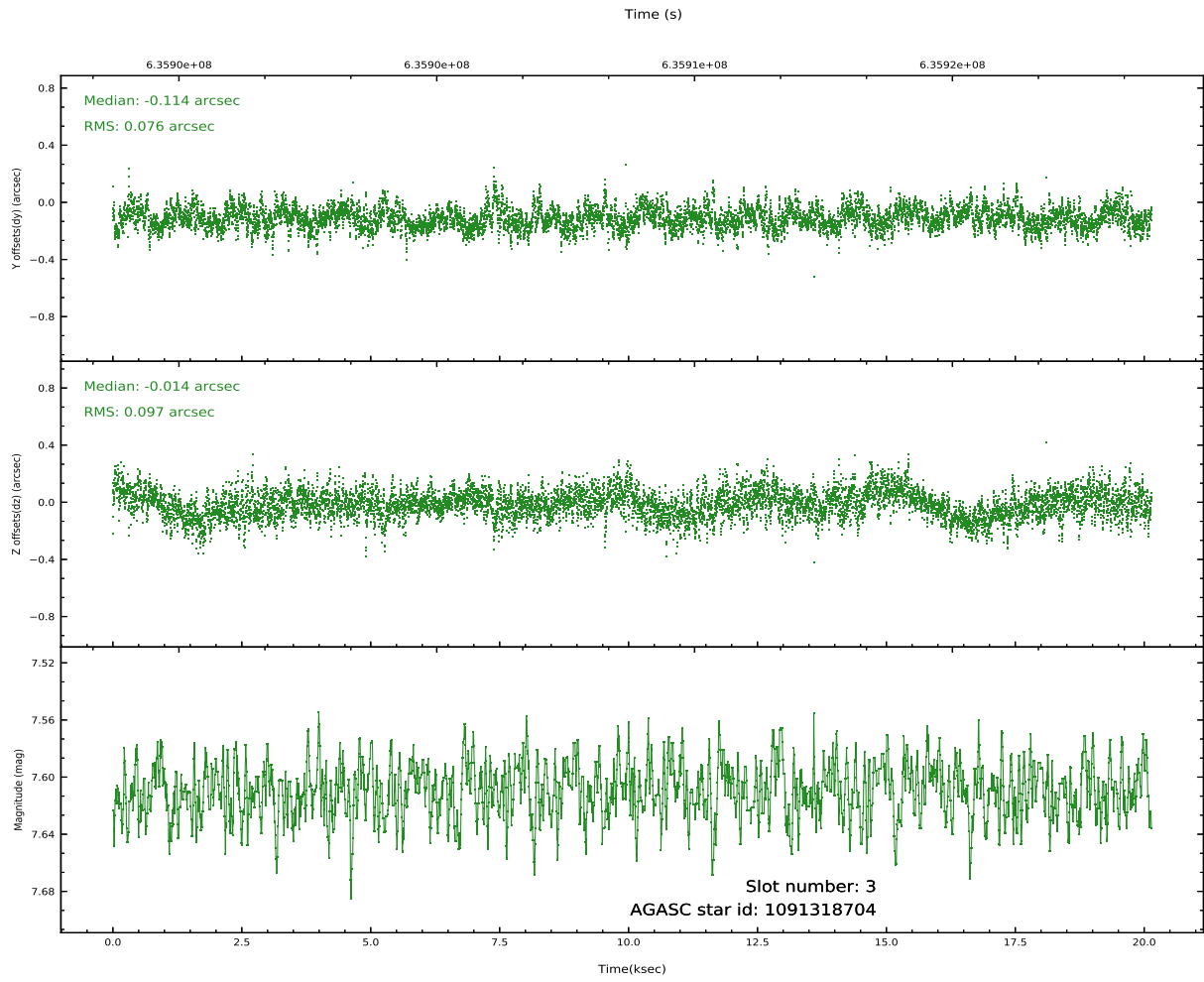
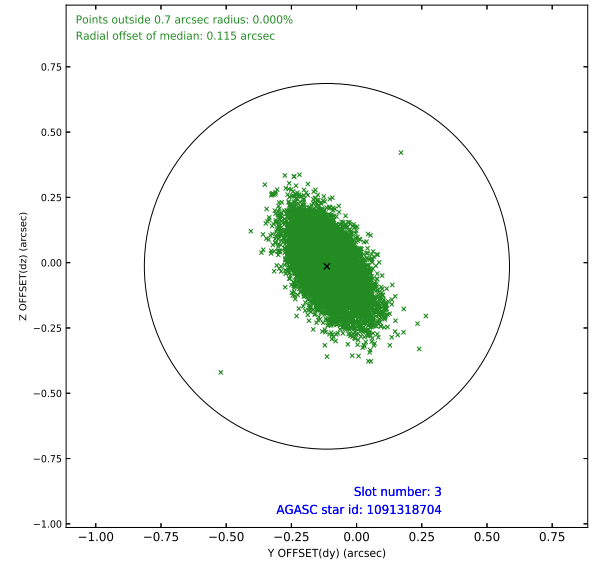
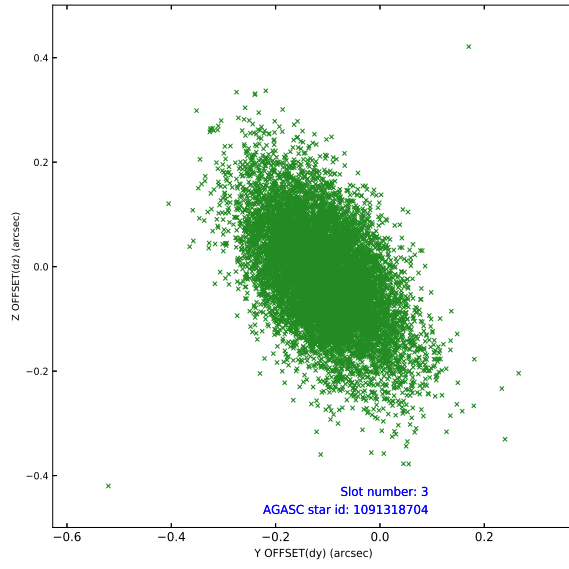


Slot Statistics

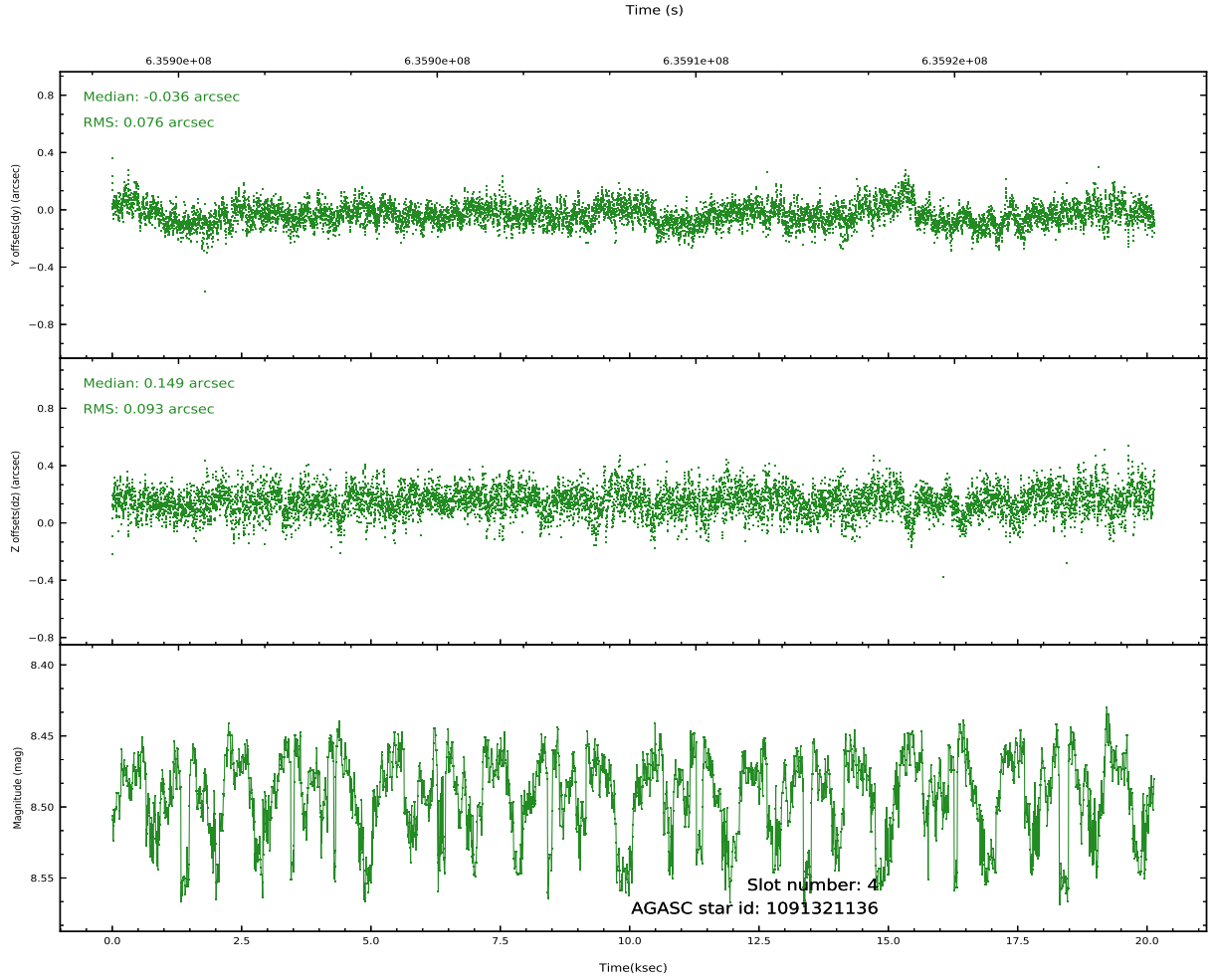
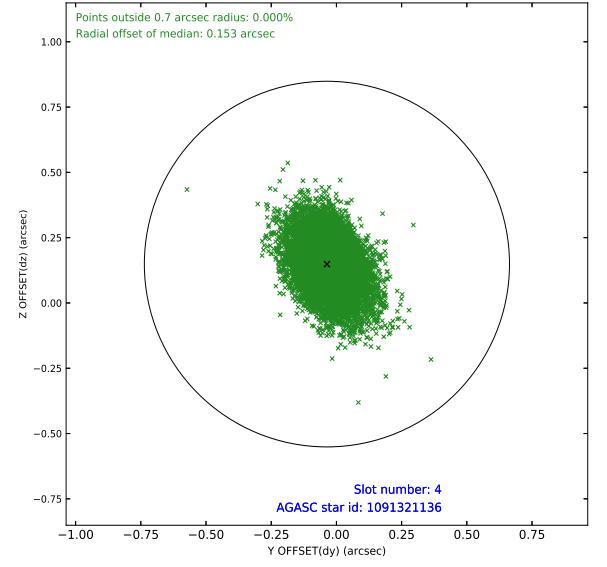
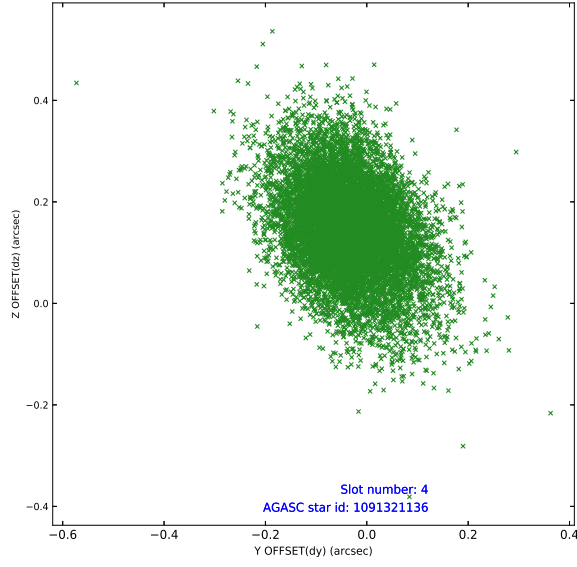
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.99	4914	1.000	0.078	-0.058	0.015	0.050	0.000000	0.000000	-769.43	-1742
1	FID		ACIS-S-4	7.10	4914	1.000	0.112	-0.023	0.019	0.040	0.000000	0.000000	2143.98	165
2	FID		ACIS-S-5	7.08	4914	1.000	-0.222	0.088	0.014	0.040	0.000000	0.000000	-1822.15	159
3	GUIDE	used	1091318704	7.61	9826	1.000	-0.114	-0.014	0.125	0.226	251.955714	-45.390313	1826.10	-256
4	GUIDE	used	1091321136	8.49	9822	1.000	-0.036	0.149	0.123	0.215	252.629031	-45.865288	227.82	-2056
5	GUIDE	used	1091321752	6.94	9824	1.000	0.088	-0.062	0.126	0.210	251.516776	-46.486101	-2186.17	561
6	GUIDE	used	1091326848	8.81	9820	1.000	-0.093	-0.002	0.128	0.228	252.143808	-45.528706	1360.43	-763
7	GUIDE	used	1091343368	6.89	9826	1.000	0.148	-0.067	0.134	0.225	251.526552	-46.531998	-2349.62	525

2.4 Star Slots

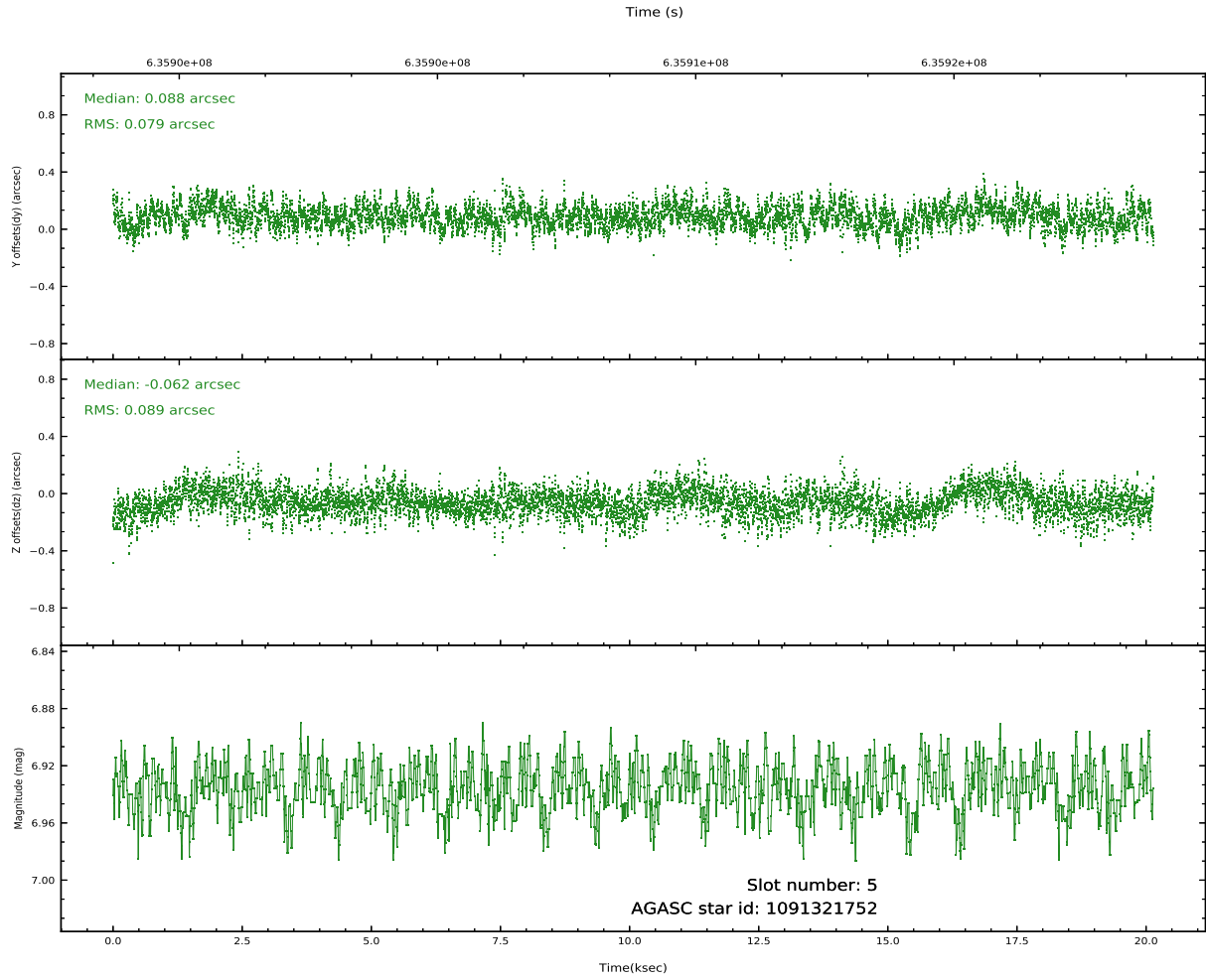
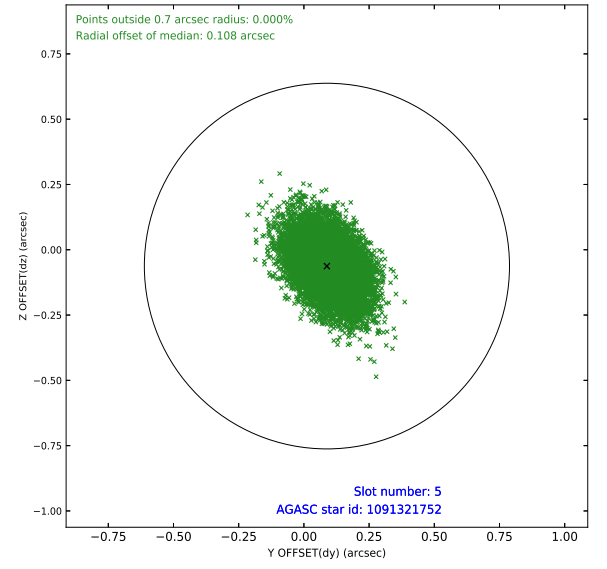
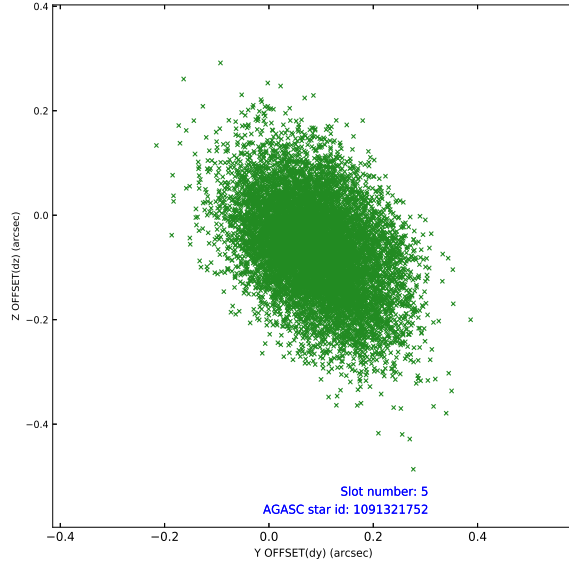
2.4.1 Slot 3



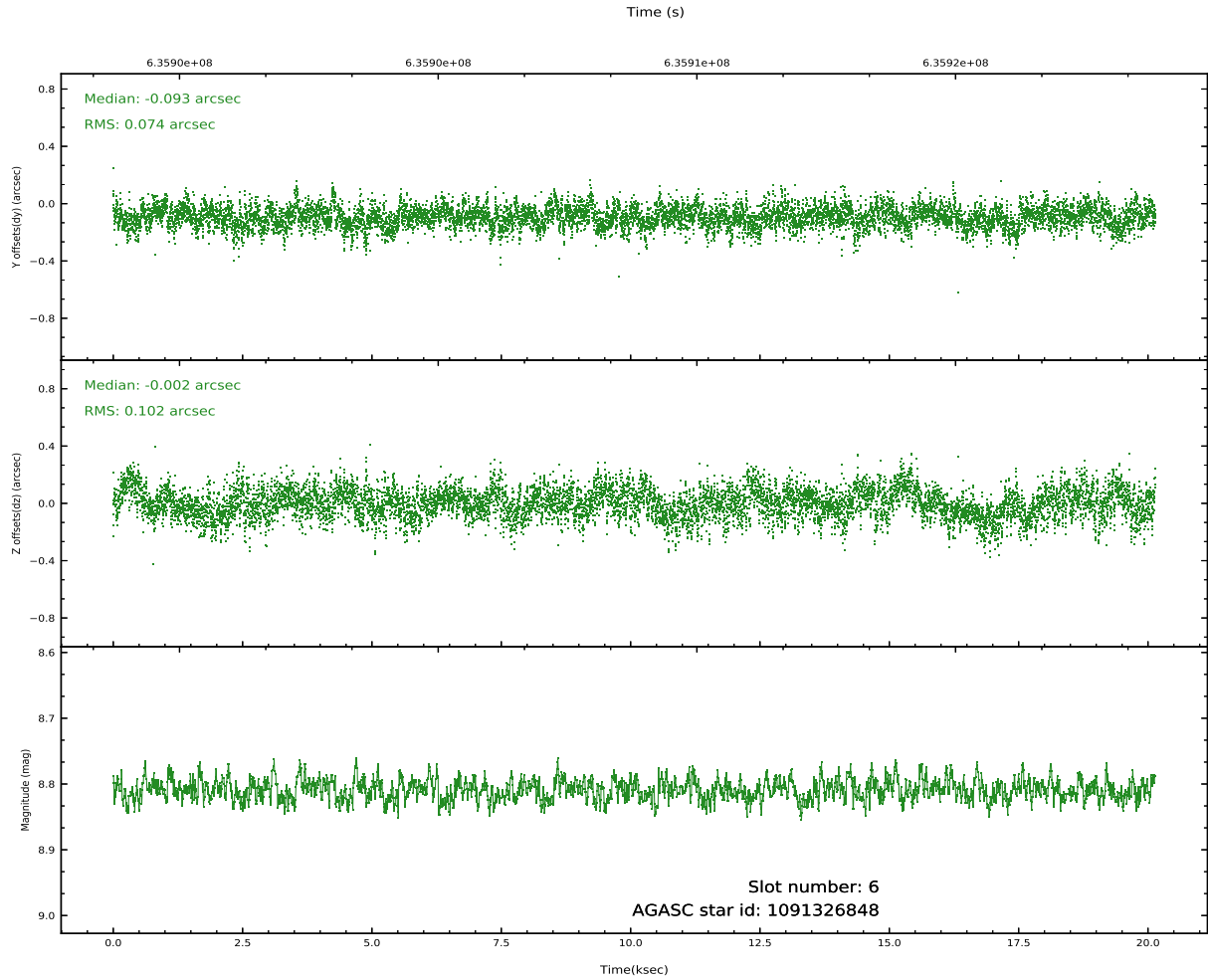
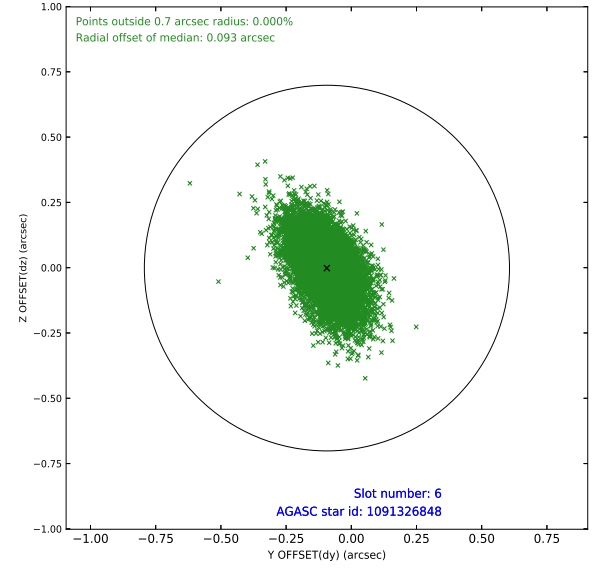
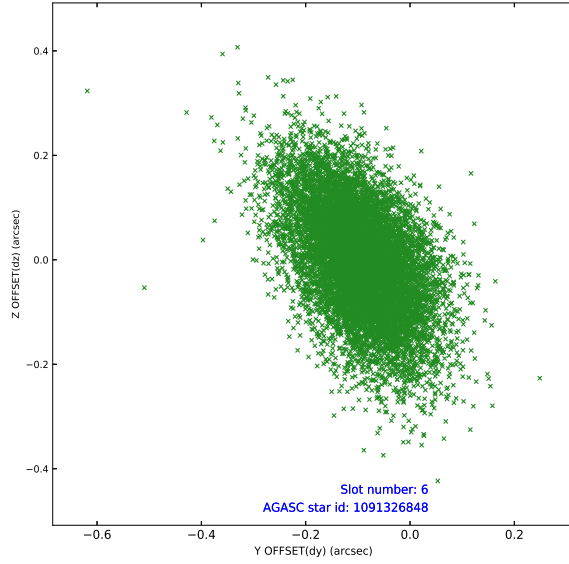
2.4.2 Slot 4



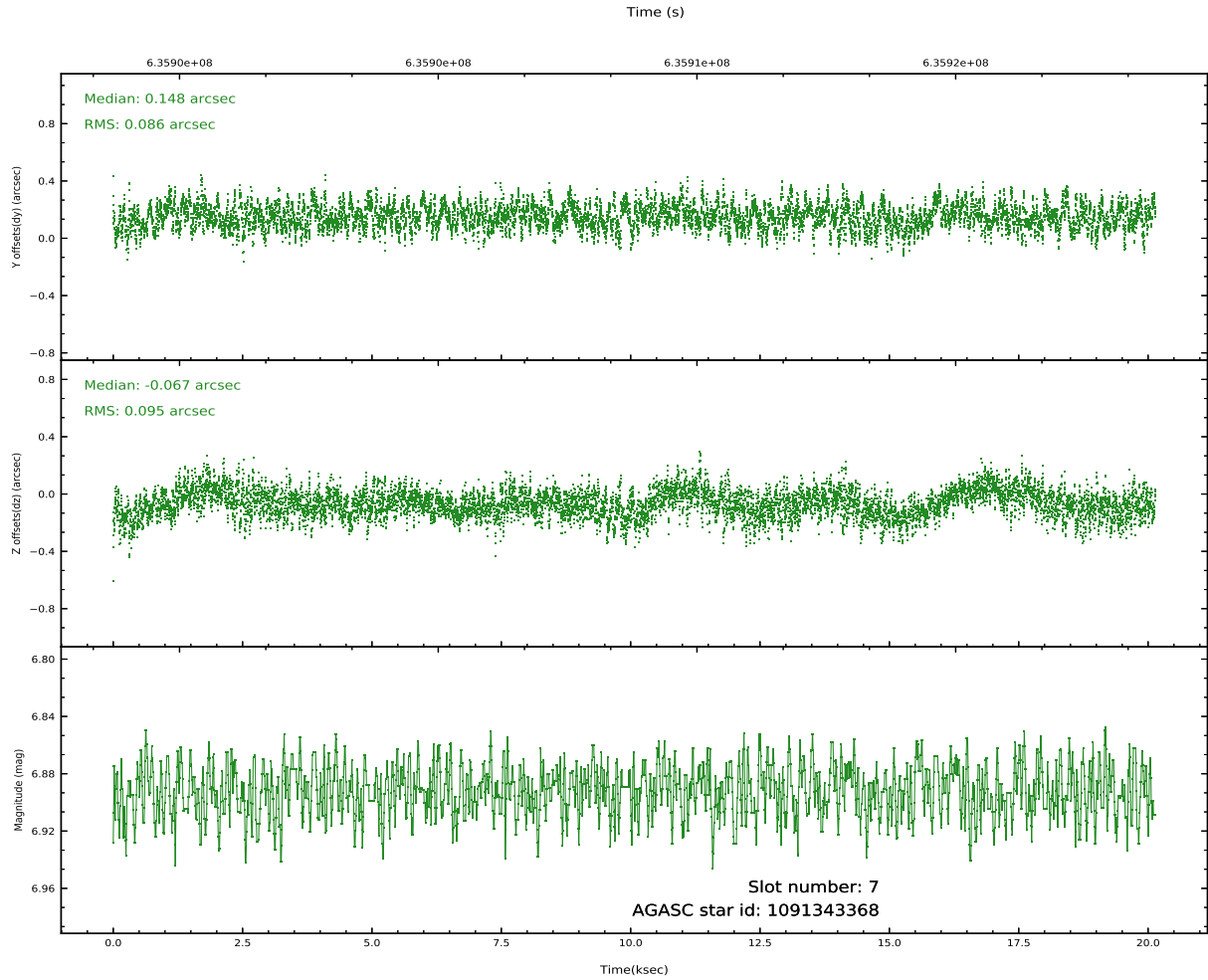
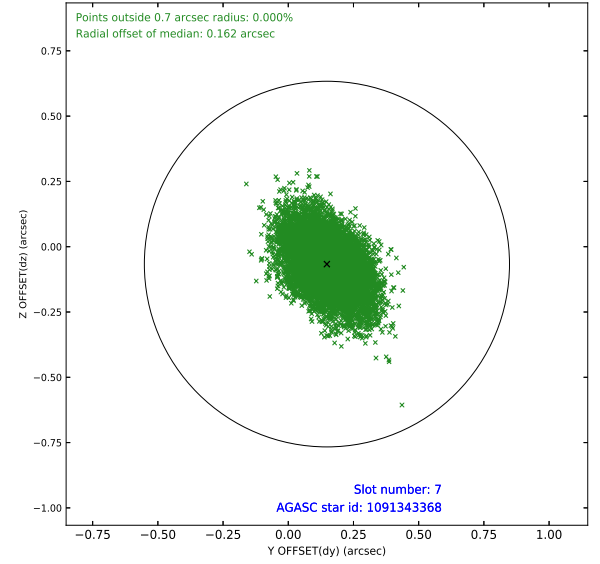
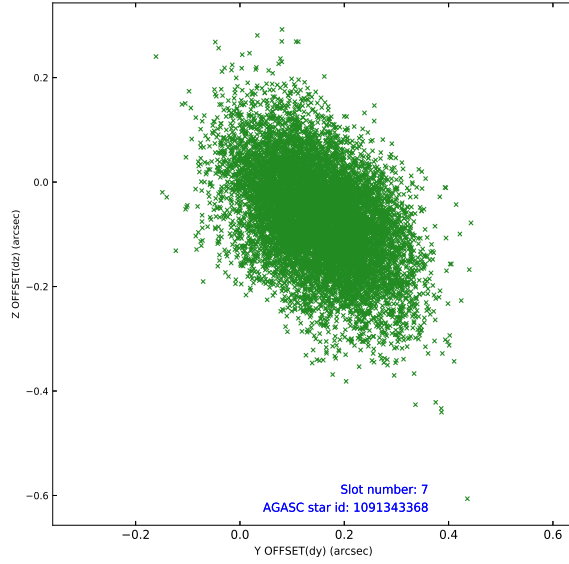
2.4.3 Slot 5



2.4.4 Slot 6

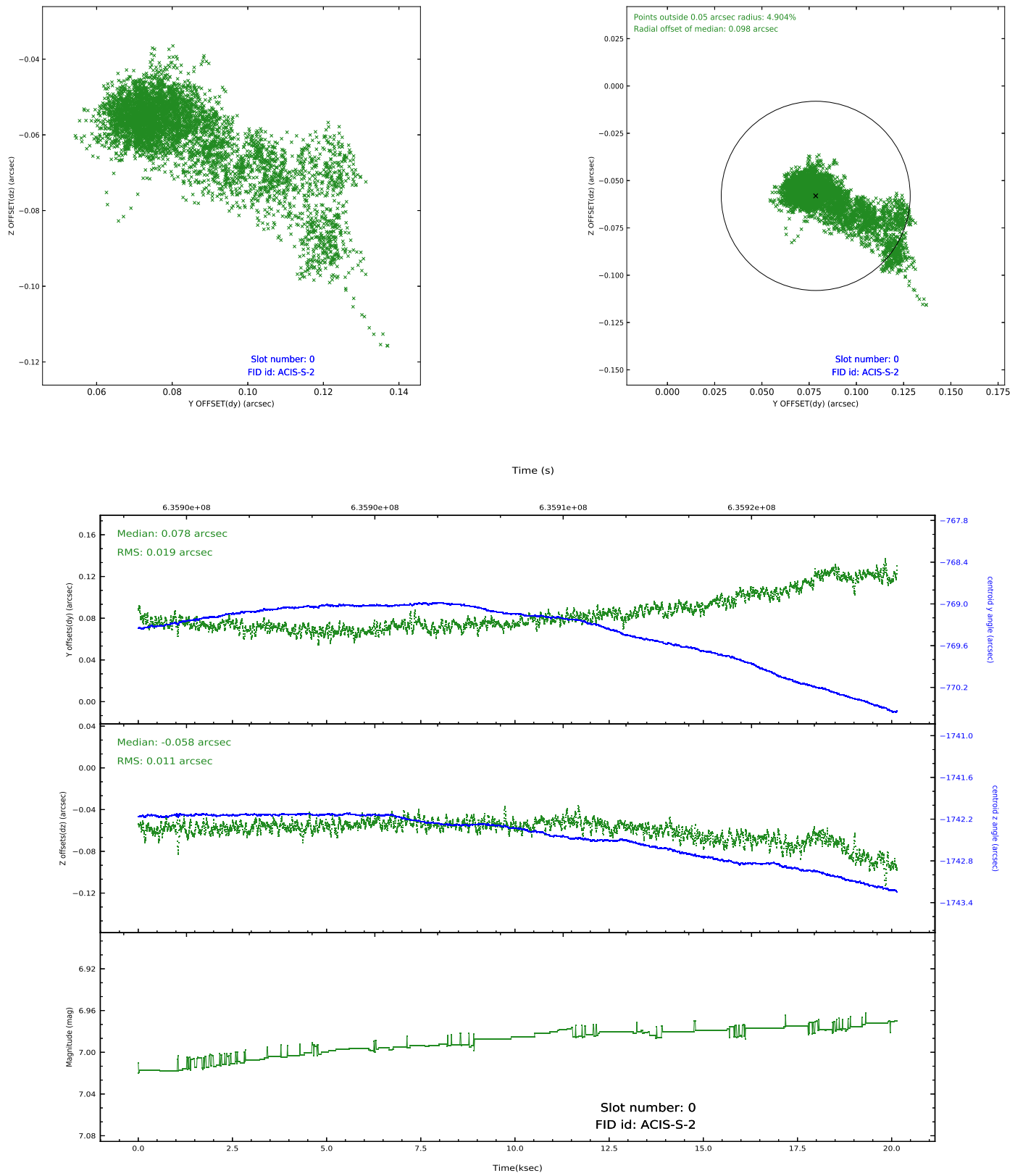


2.4.5 Slot 7

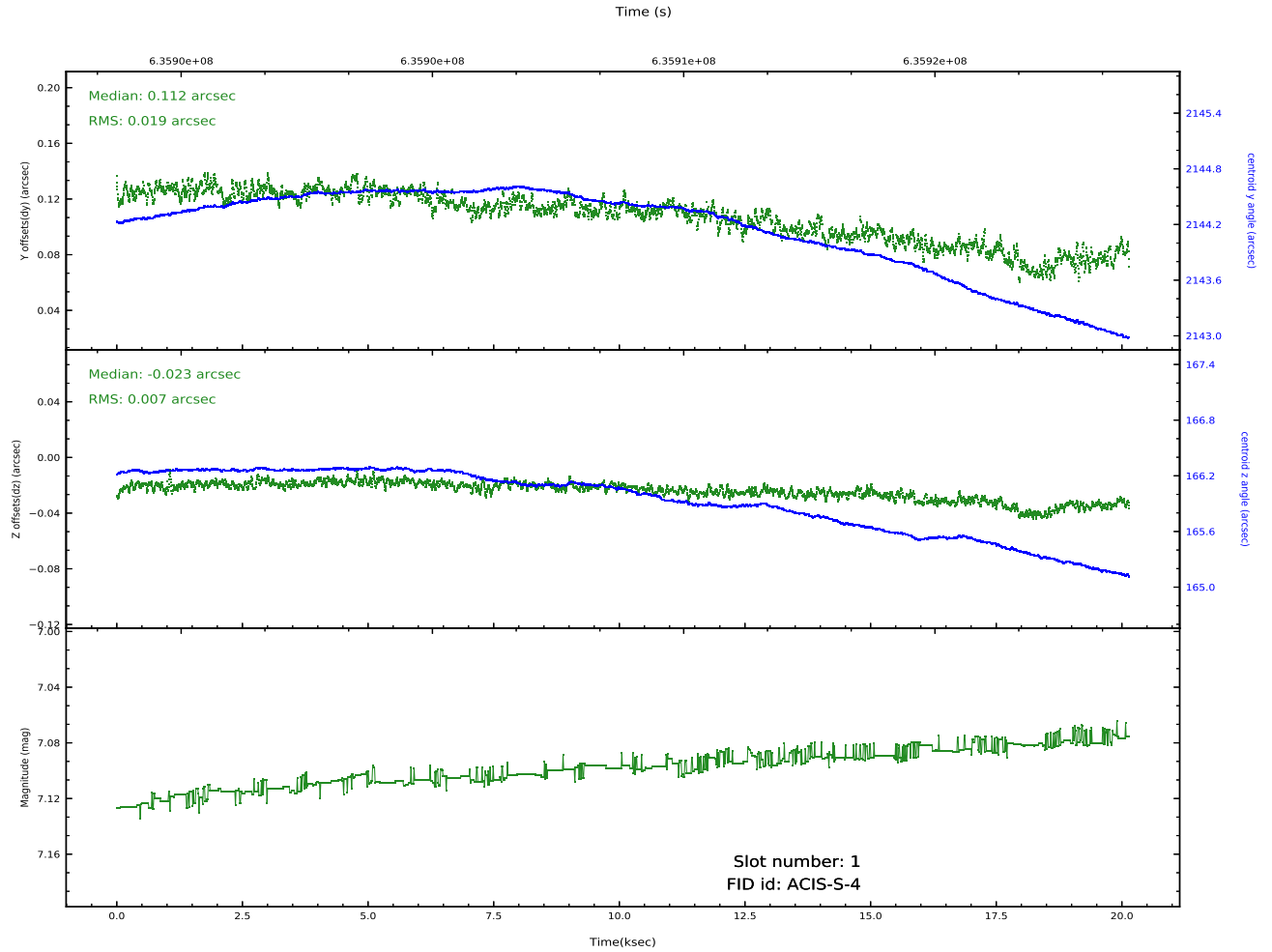
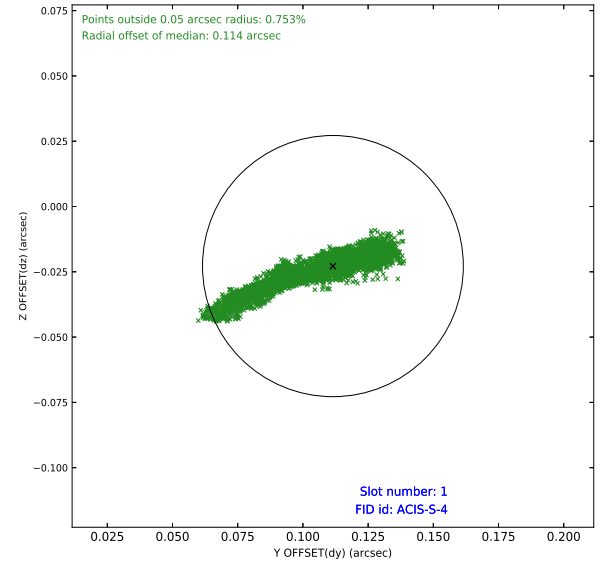
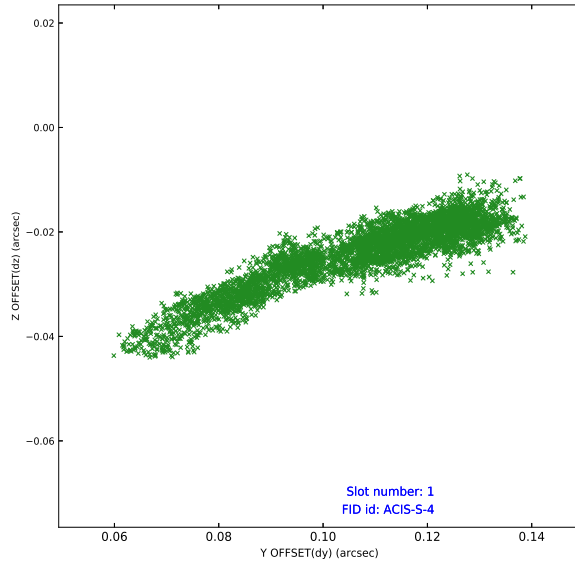


2.5 FID Slots

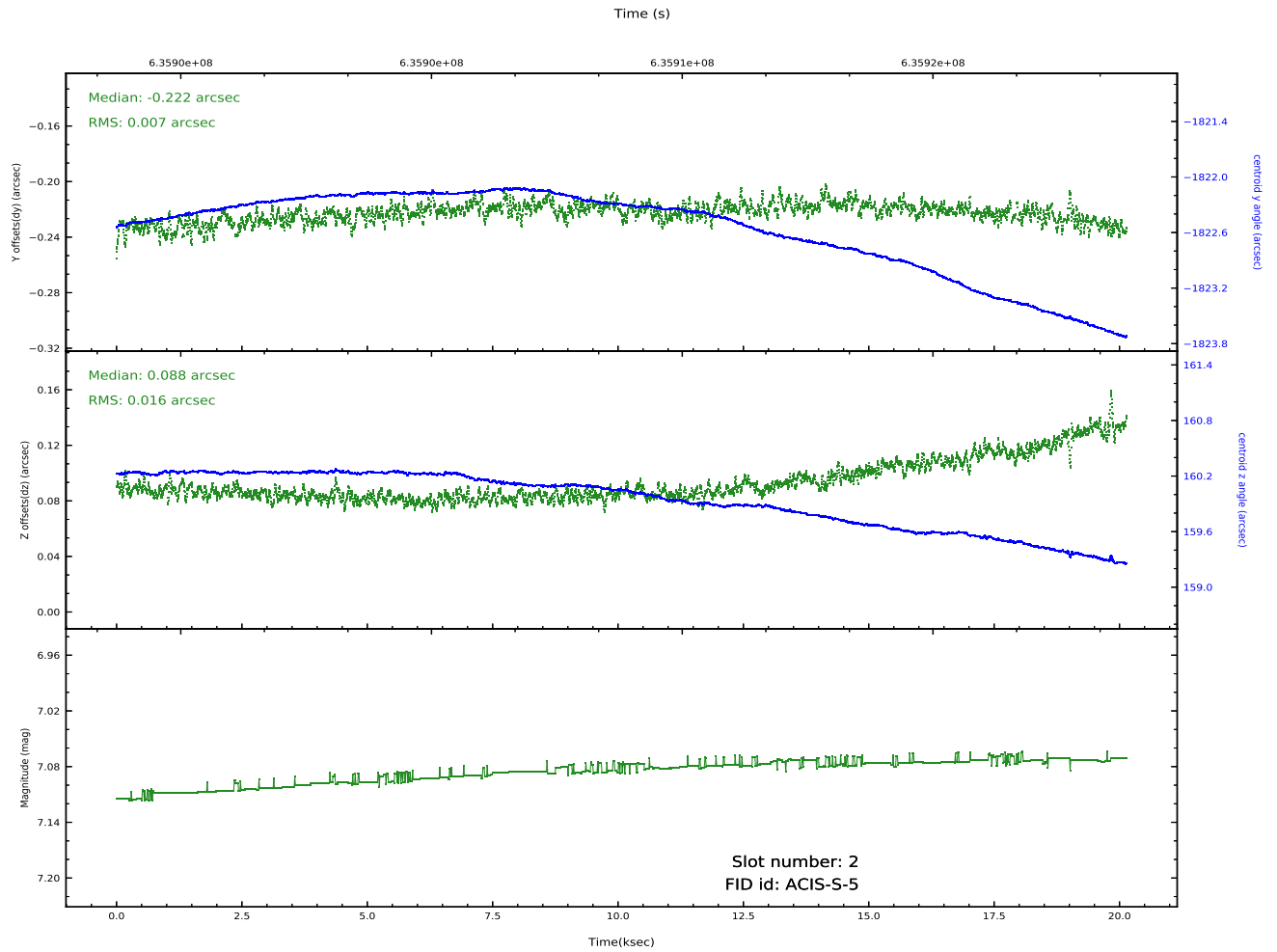
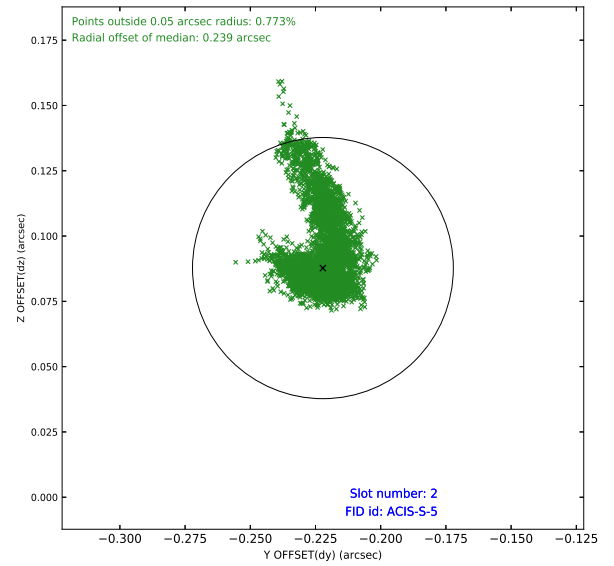
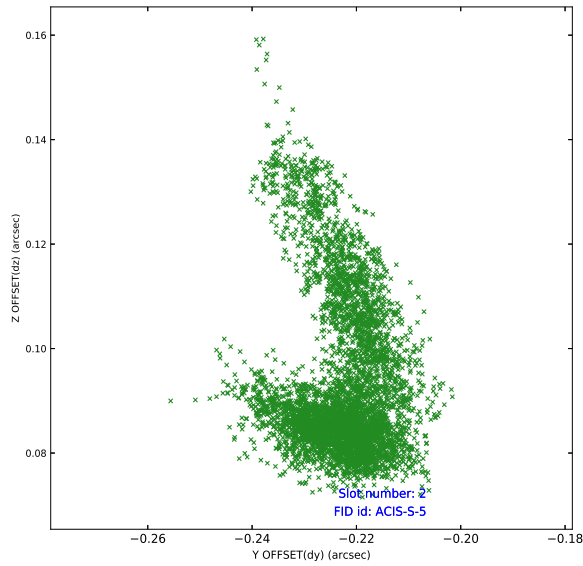
2.5.1 Slot 0



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)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.068356401563

A.2 Comments

Joint proposal with NuSTAR.