

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20756 - L2 Version 2
Chandra X-Ray Center

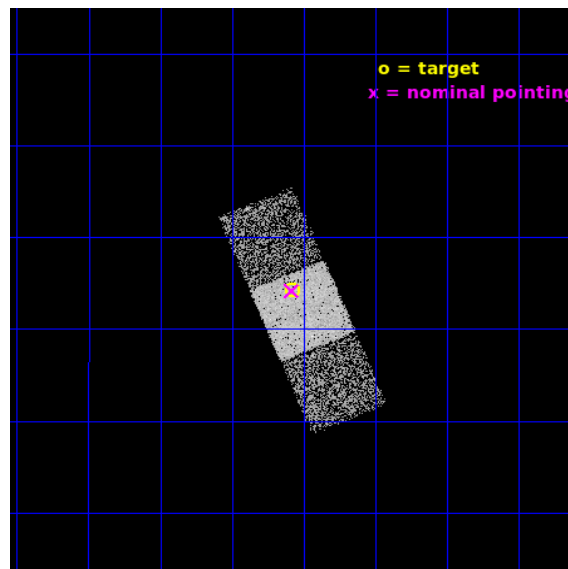
L2 Processing Date : Oct 24 2020

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1 Front

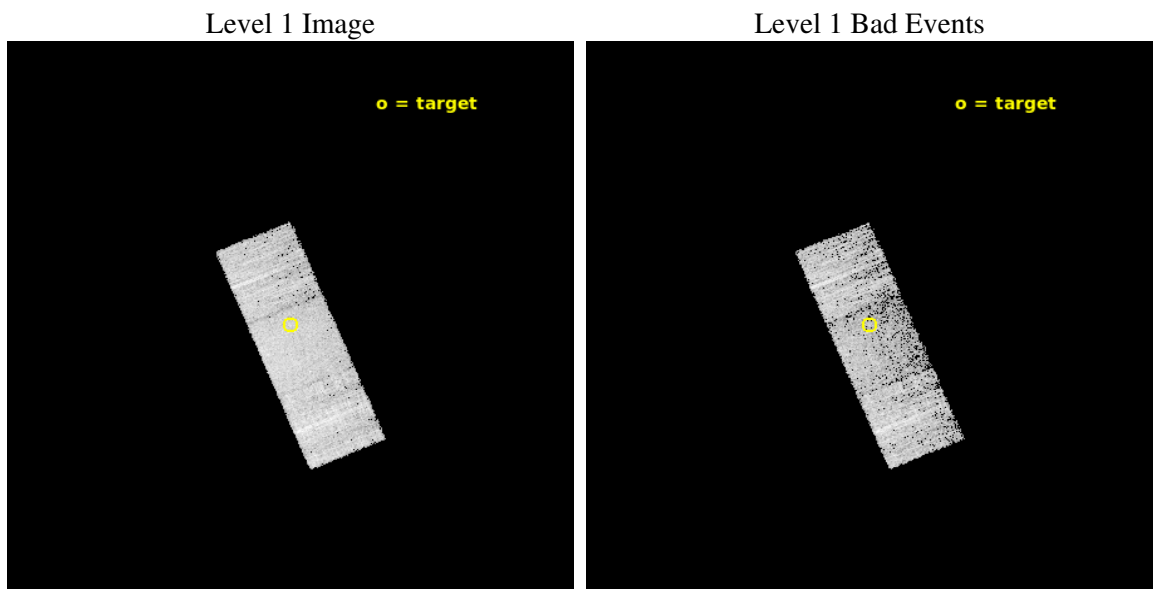
seq_num	703621	Sequence number
obs_id	20756	Observation id
title	A Chandra Snapshot Survey of Extremely Red Quasars from SDSS BOSS and WISE	Proposal title
observer	Gordon Garmire	Principal investigator
object	J1217+0234	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	184.269583	Observer's specified target RA [deg]
dec_targ	2.571417	Observer's specified target Dec [deg]
ra_nom	184.27043112306	Nominal RA [deg]
dec_nom	2.5698319763807	Nominal Dec [deg]
roll_nom	67.263516266159	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3926.4086600542	Sum of GTIs [s]
livetime	3875.1072403306	Livetime [s]
ontime6	3926.3676000834	Sum of GTIs [s]
ontime7	3926.4086600542	Sum of GTIs [s]
ontime8	3916.9034298658	Sum of GTIs [s]
l2events	20619	Number of level 2 events



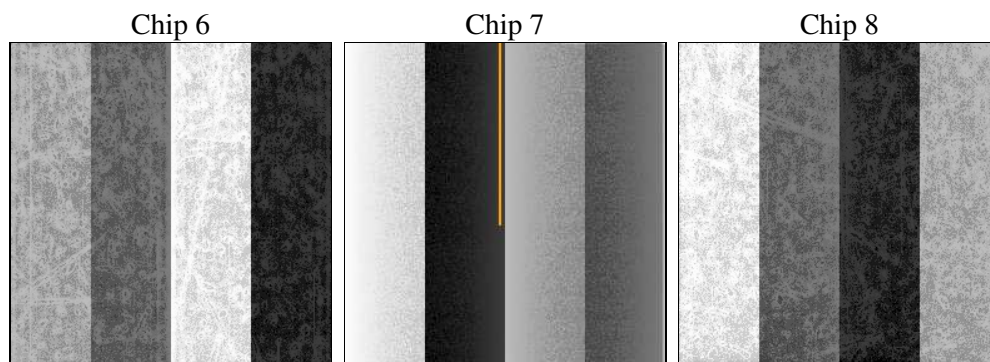
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	3926.4086600542	Sum of GTIs [s]
caldbver	4.9.3	 	ontime6	3926.3676000834	Sum of GTIs [s]
date	2020-10-24T04:59:18	Date and time of file creation	ontime7	3926.4086600542	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	3916.9034298658	Sum of GTIs [s]
			l1events	106075	Number of level 1 events

2.1.4 Events

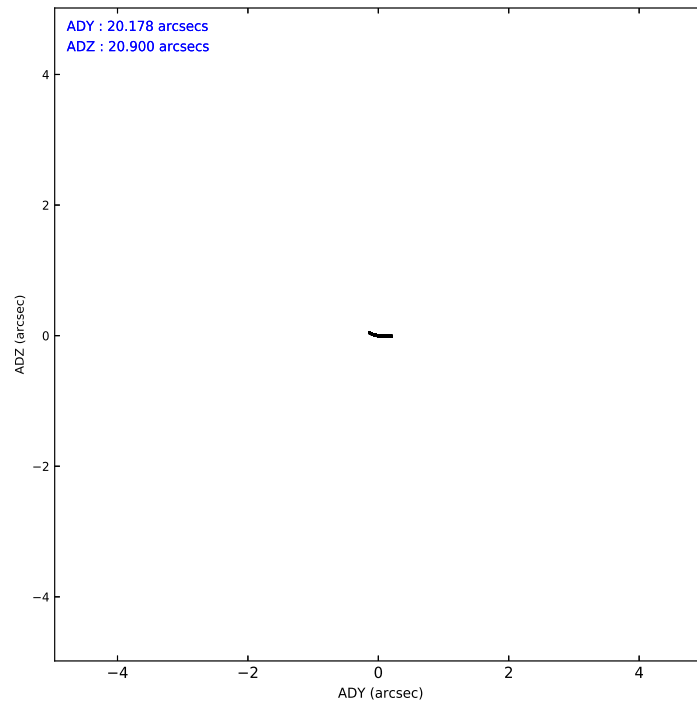
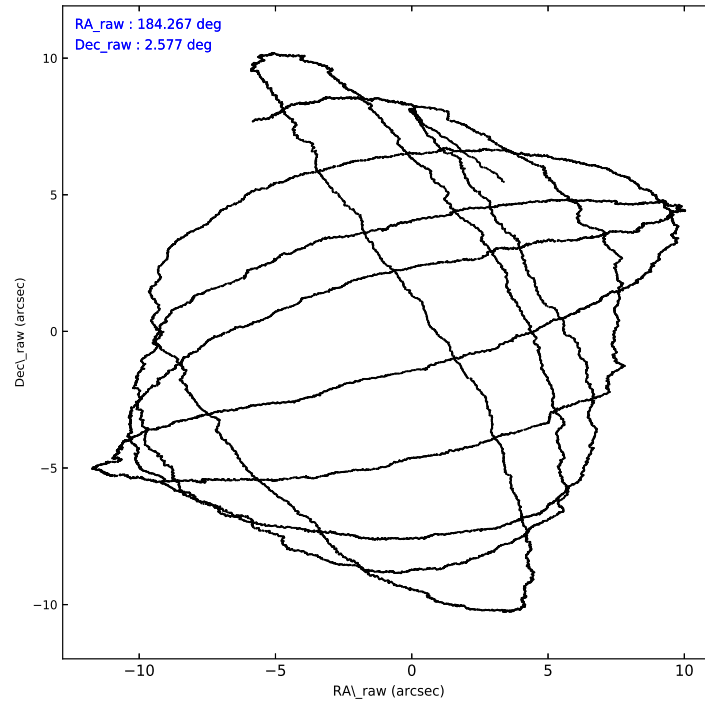
	ccd 6	ccd 7	ccd 8
level 1 events	30841	35787	39447
rejected events	27690	20526	30658
rejected %	89%	57%	77%

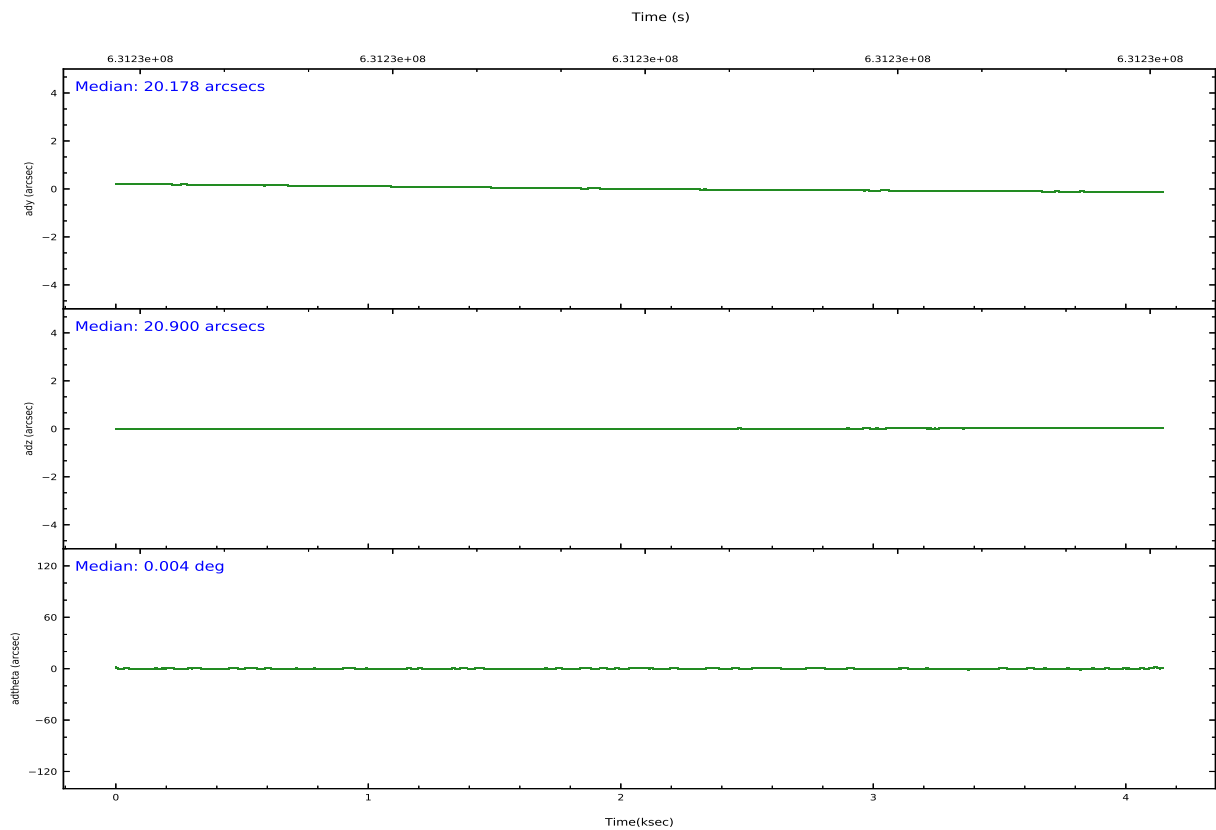
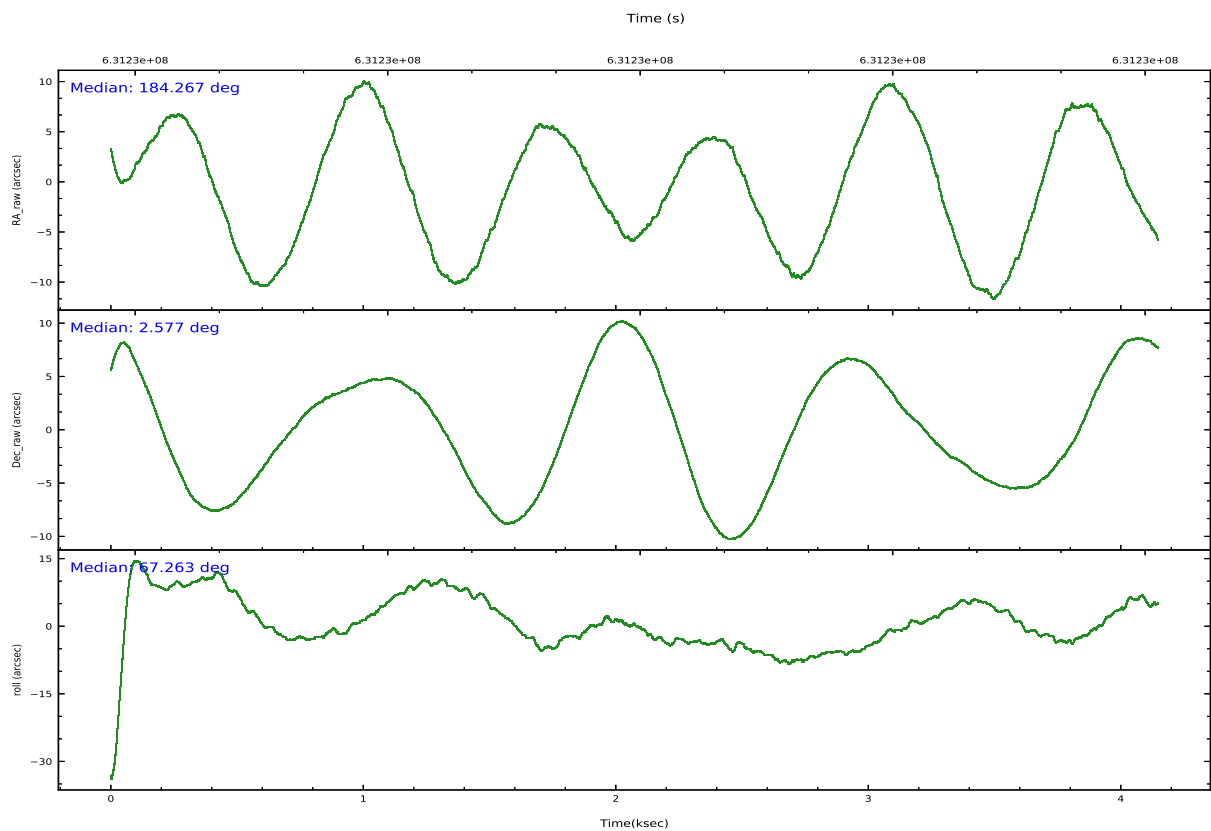
	ccd 6	ccd 7	ccd 8
grade 0 events	940	1322	2484
	3%	3%	6%
grade 1 events	12	49	27
	0%	0%	0%
grade 2 events	819	3116	2020
	2%	8%	5%
grade 3 events	267	1221	990
	0%	3%	2%
grade 4 events	285	1216	911
	0%	3%	2%
grade 5 events	1205	3388	1916
	3%	9%	4%
grade 6 events	845	8411	2425
	2%	23%	6%
grade 7 events	26468	17064	28674
	85%	47%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-678	ACIS-678	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	184.270838	184.27043112306	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.550290	2.5698319763807	Alternating exposures requested	N	N
[deg] Pointing Roll	67.111641	67.263516266159	[s] Primary exposure time	0.000000	3.1
[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)	631227052.184000	631226100.6689			
Observation start date	2018-01-01T20:49:43	2018-01-01T20:35:00			
[s] Observation end time (MET)	631231052.184000	631231695.11923			
Observation end date	2018-01-01T21:56:23	2018-01-01T22:08:15			
Read mode	TIMED	TIMED			

2.3 Aspect



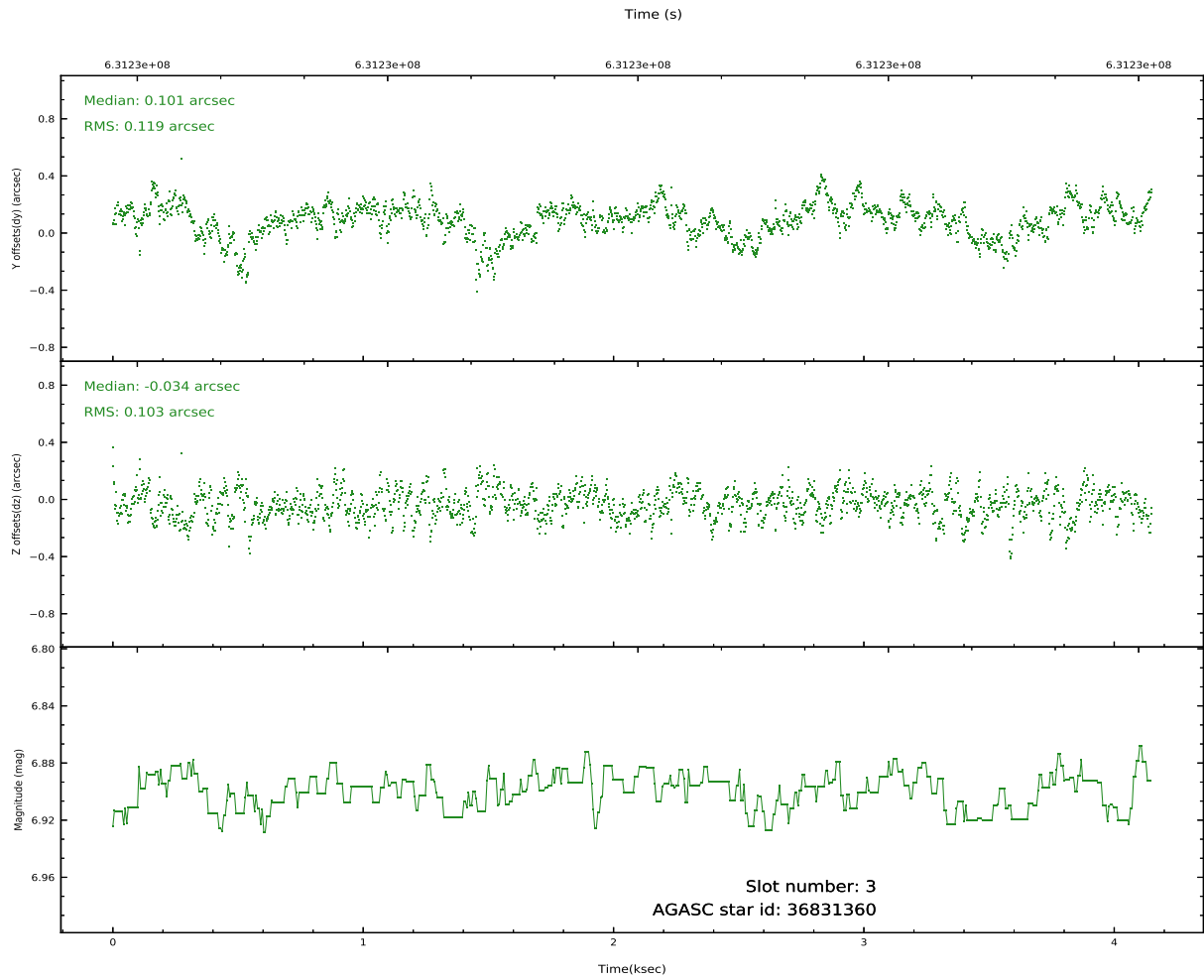
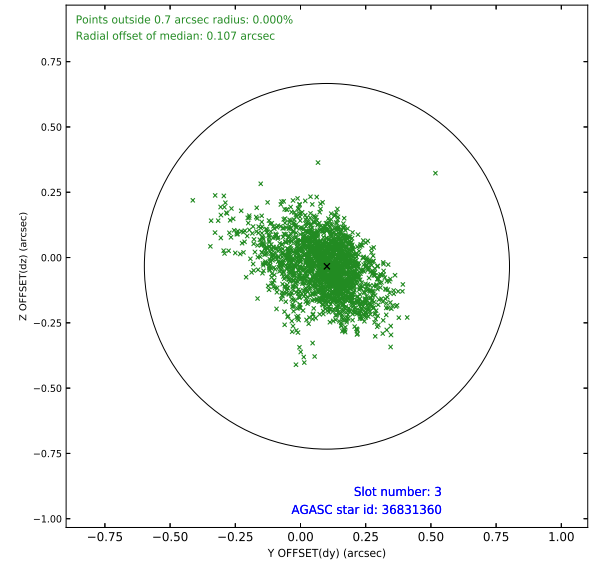
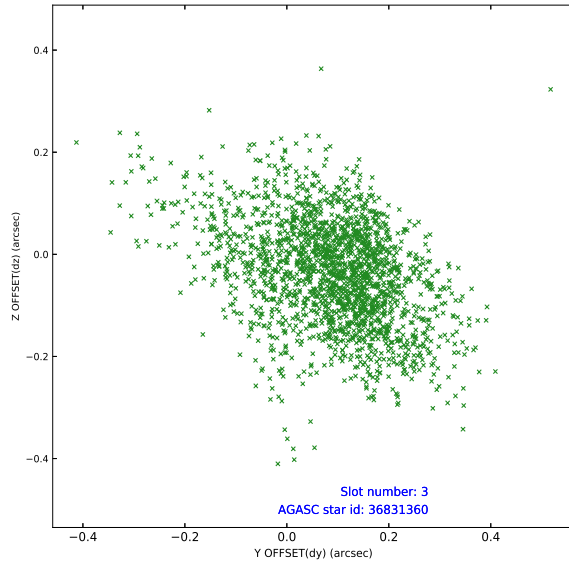


Slot Statistics

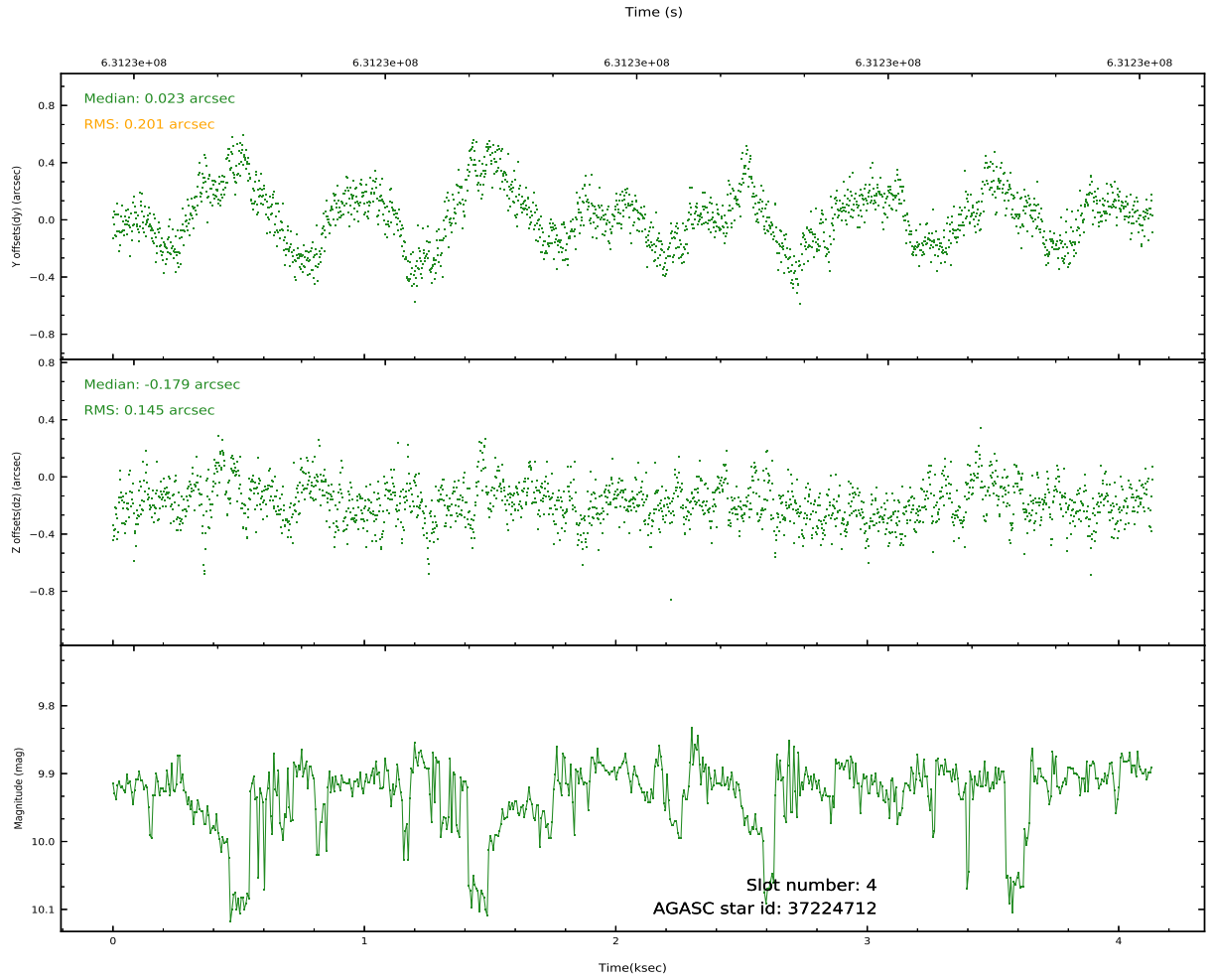
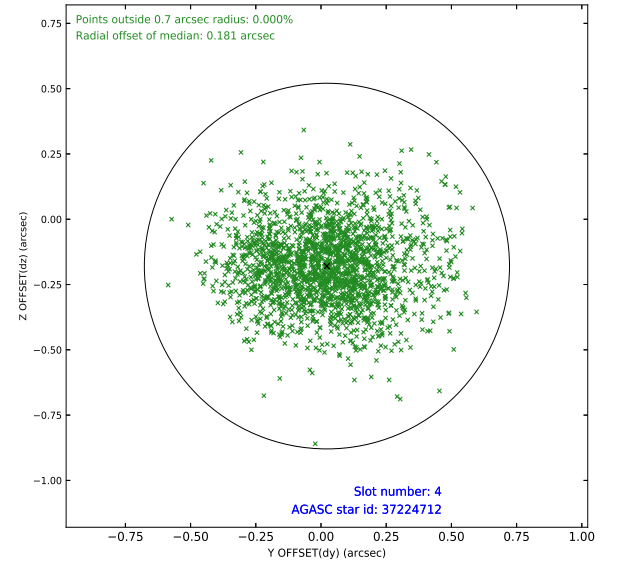
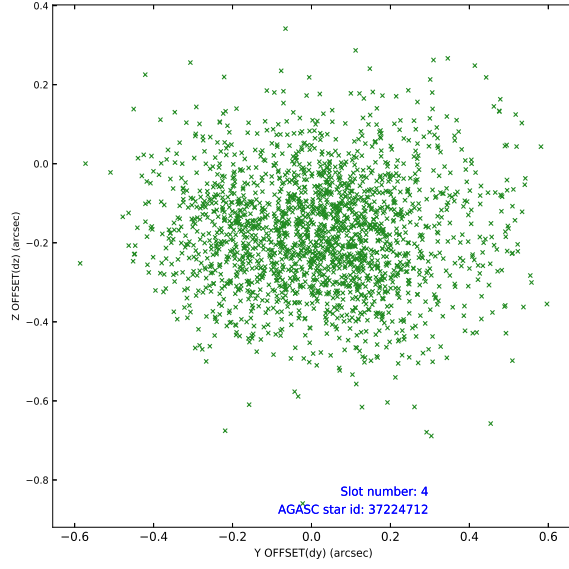
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.13	1012	1.000	0.108	-0.117	0.009	0.015	0.000000	0.000000	-773.46	-1742
1	FID		ACIS-S-4	7.26	1012	1.000	0.110	-0.020	0.009	0.017	0.000000	0.000000	2139.41	164
2	FID		ACIS-S-5	7.24	1012	1.000	-0.248	0.147	0.007	0.014	0.000000	0.000000	-1824.46	160
3	GUIDE	used	36831360	6.90	2025	1.000	0.101	-0.034	0.158	0.282	183.482386	2.260219	-2065.47	2209
4	GUIDE	used	37224712	9.92	2016	1.000	0.023	-0.179	0.261	0.441	184.153800	2.982361	1268.16	994
5	GUIDE	used	37226192	8.40	2025	1.000	-0.073	0.109	0.169	0.259	184.579641	3.101119	2259.06	-249
6	GUIDE	used	37226768	9.26	2024	1.000	-0.073	-0.090	0.169	0.290	183.991879	3.019779	1168.08	1581
7	GUIDE	used	37229088	9.94	2021	1.000	0.058	0.174	0.274	0.458	184.518058	2.585446	462.64	-767

2.4 Star Slots

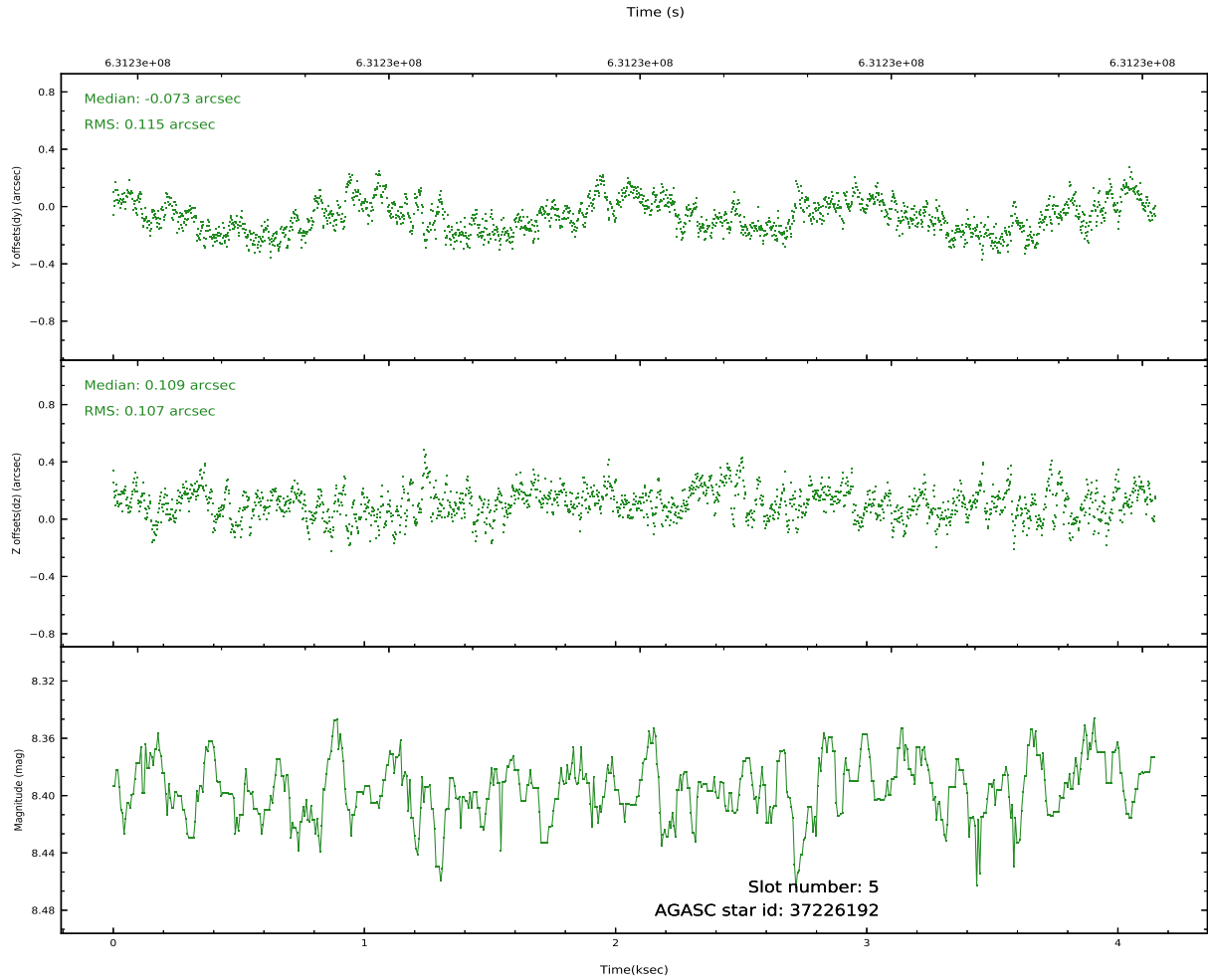
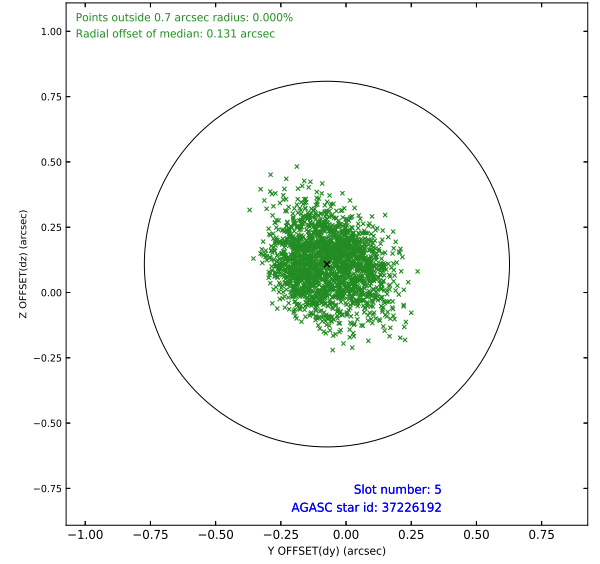
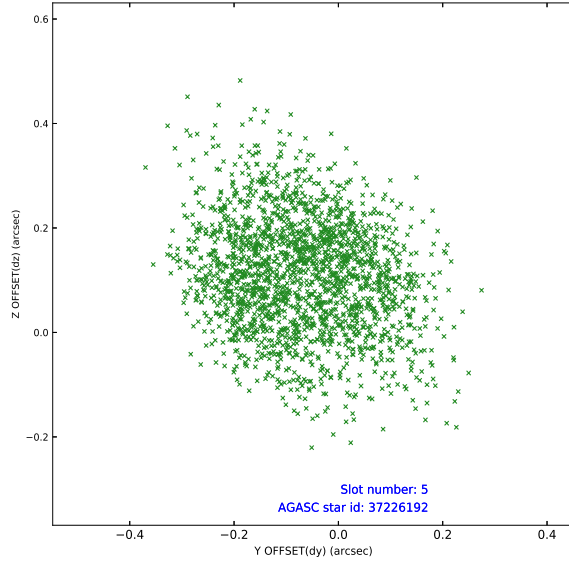
2.4.1 Slot 3



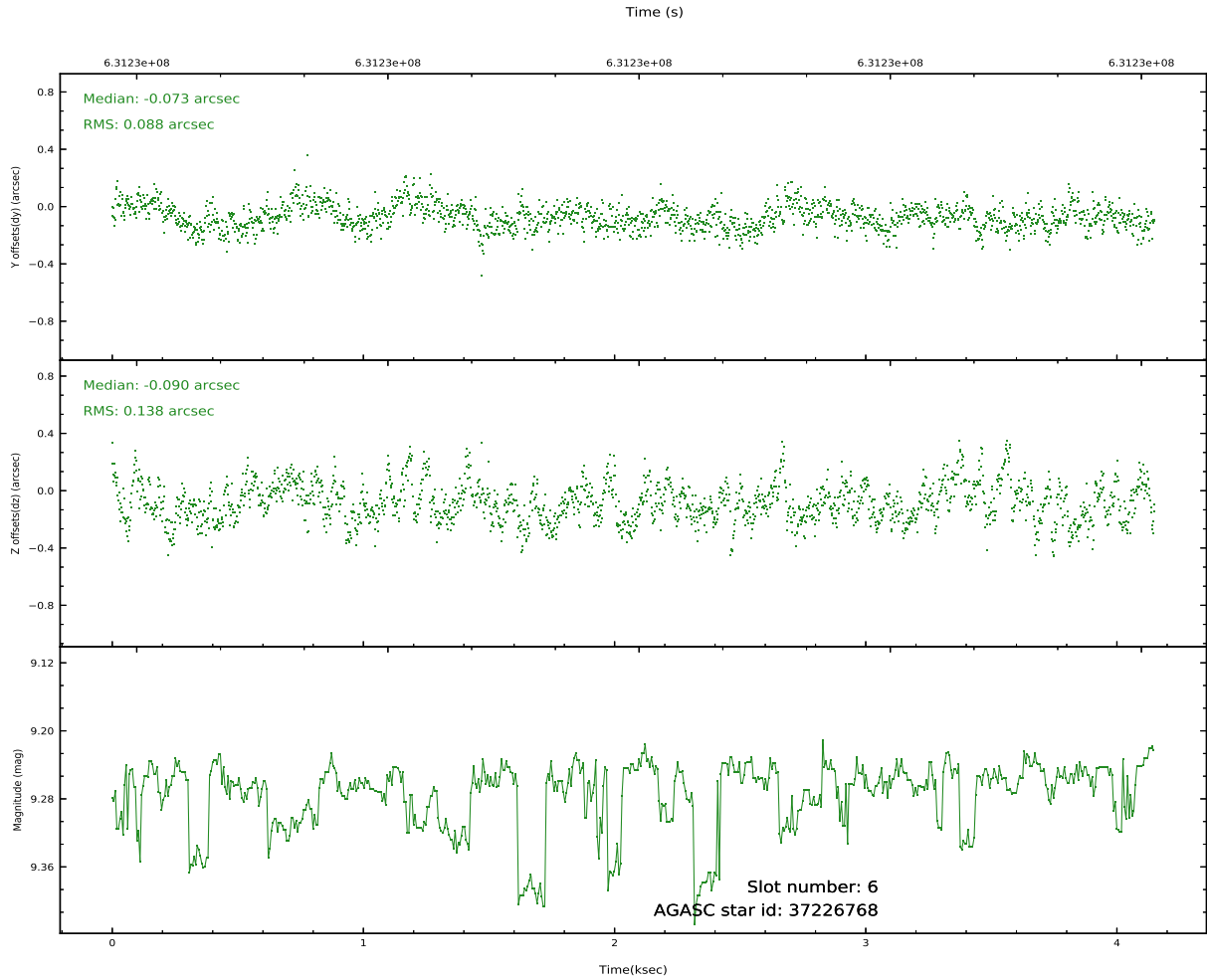
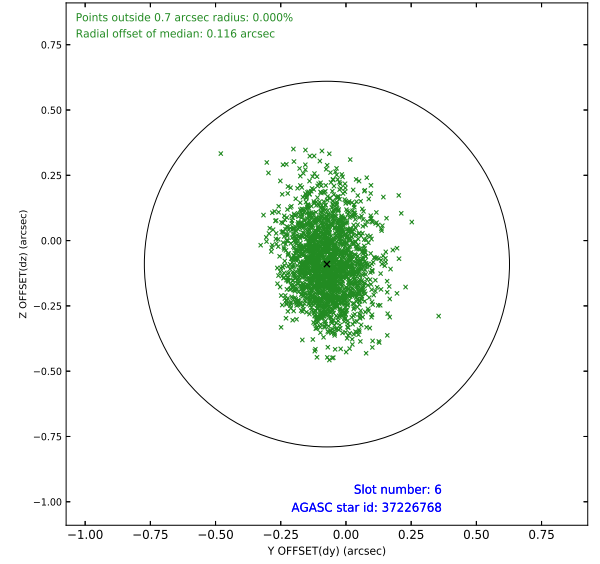
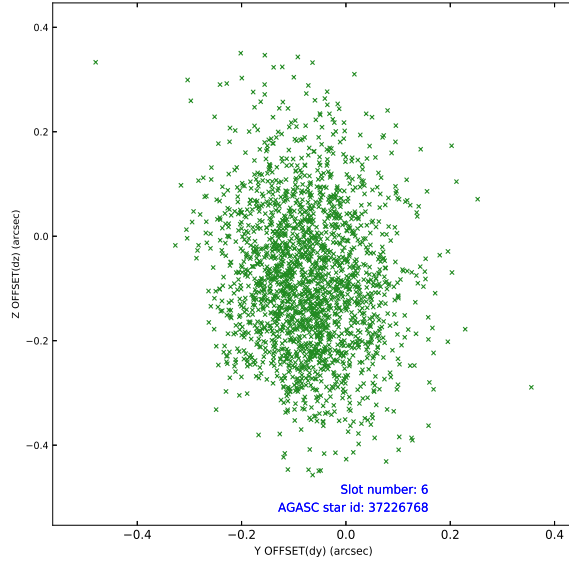
2.4.2 Slot 4



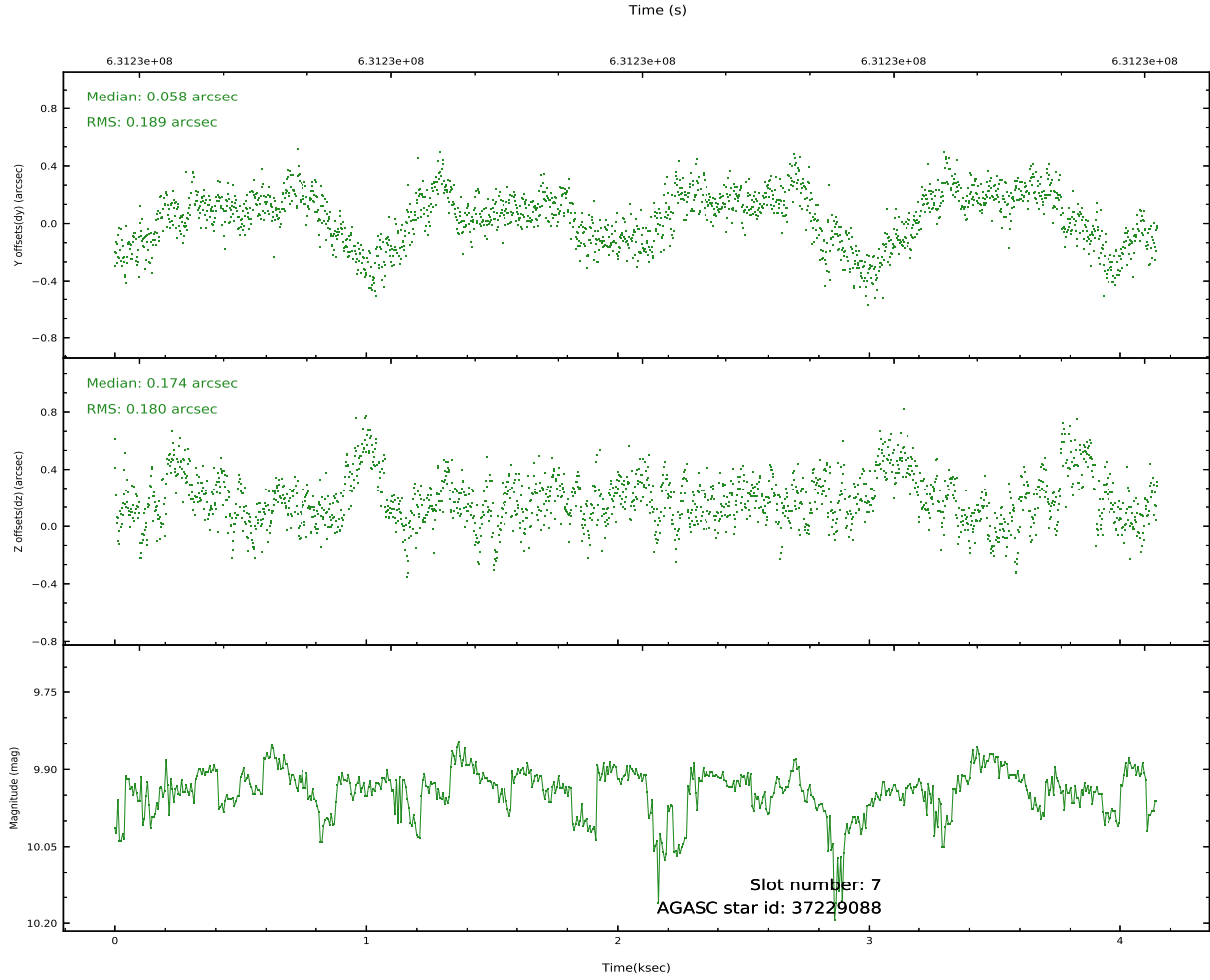
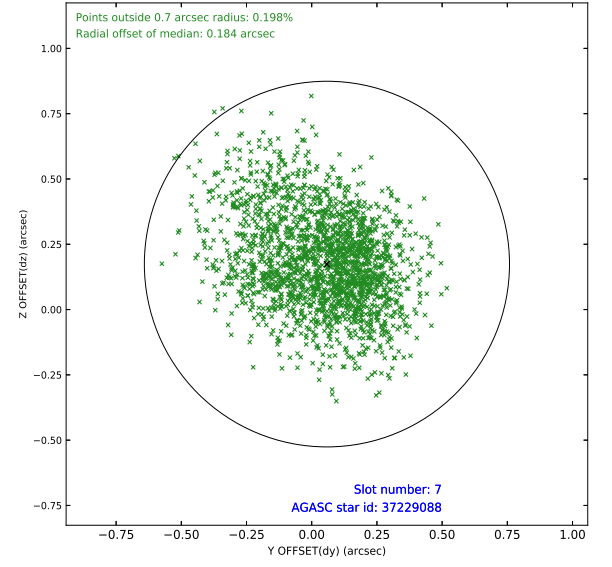
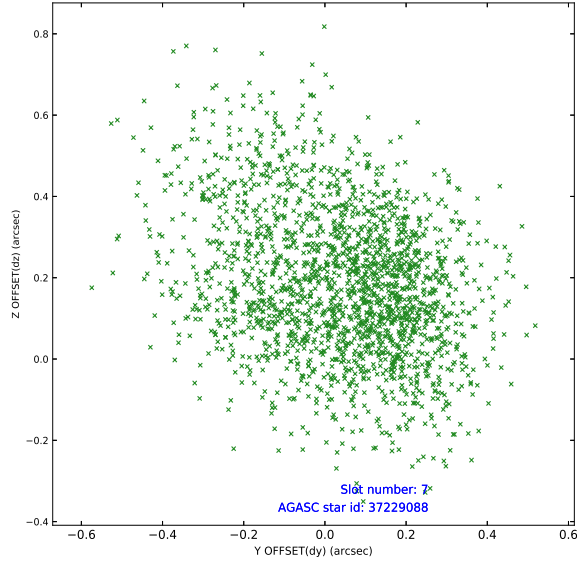
2.4.3 Slot 5



2.4.4 Slot 6

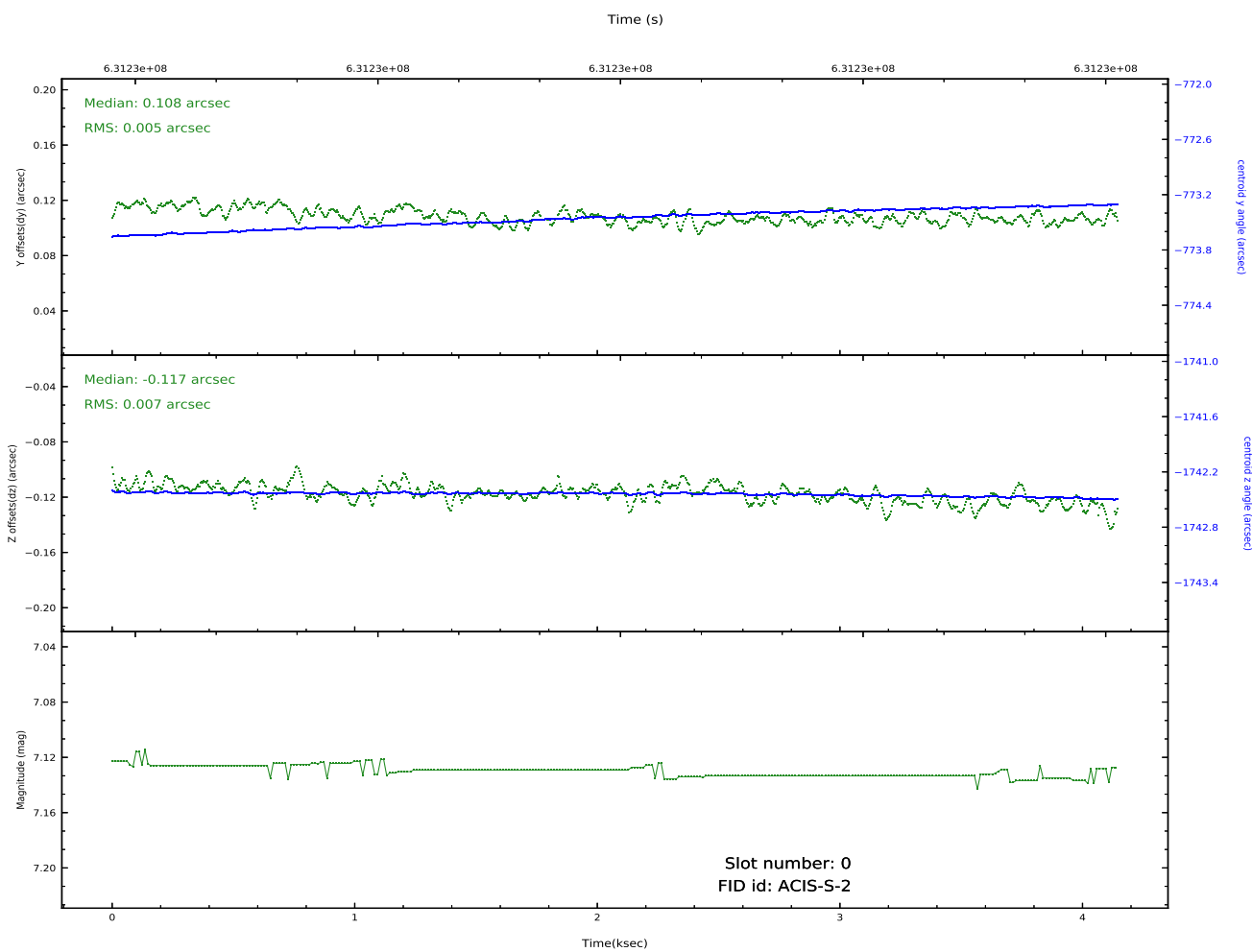
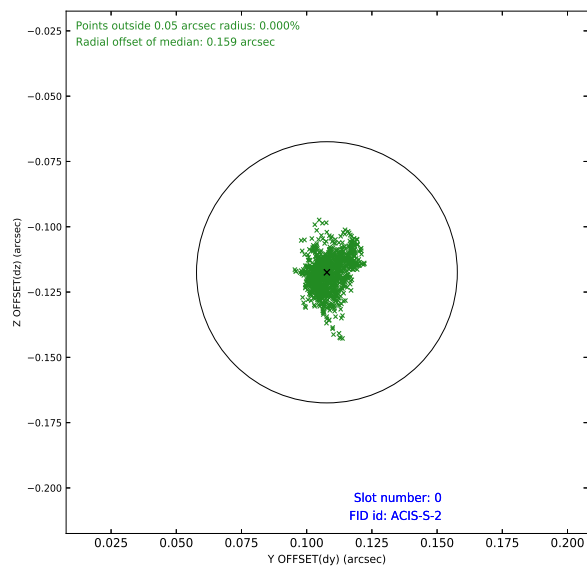
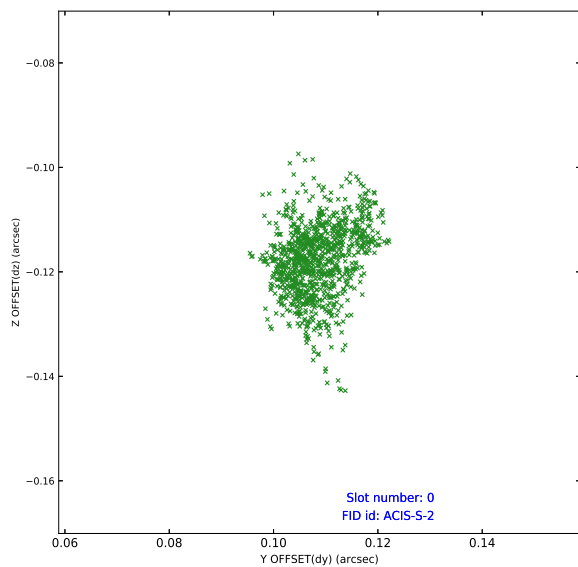


2.4.5 Slot 7

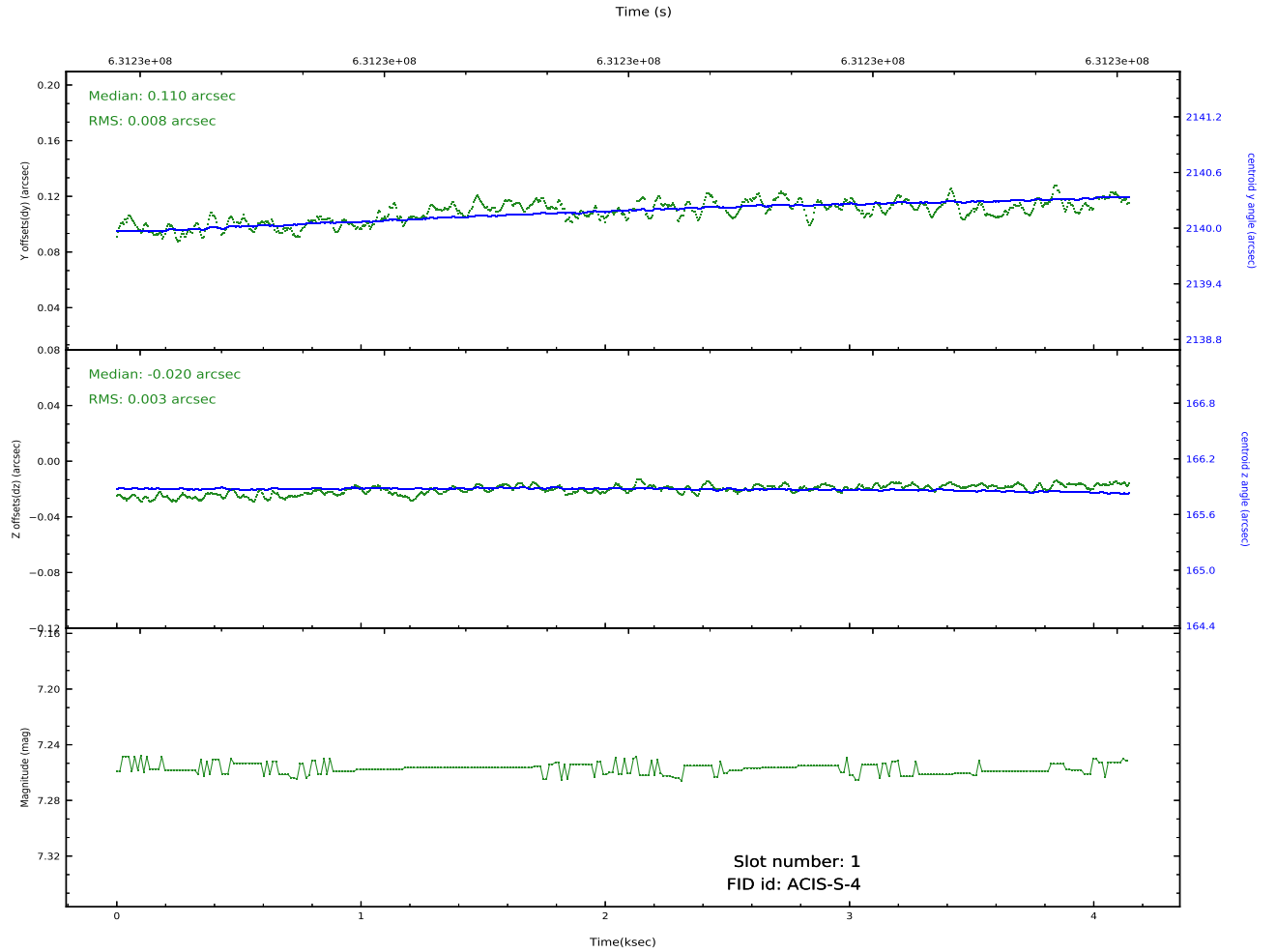
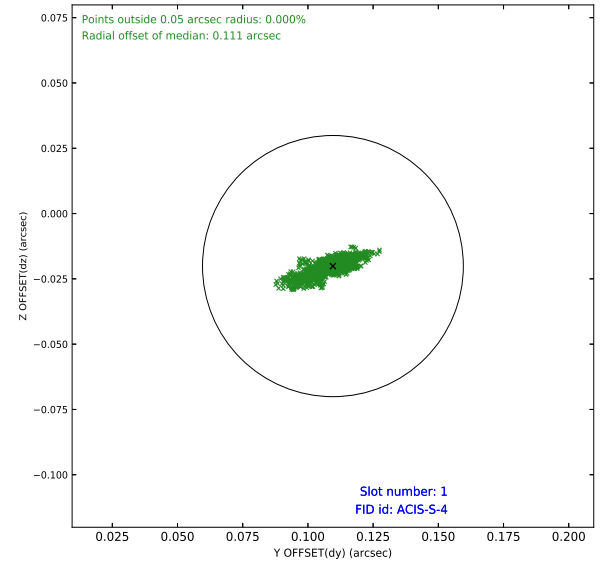
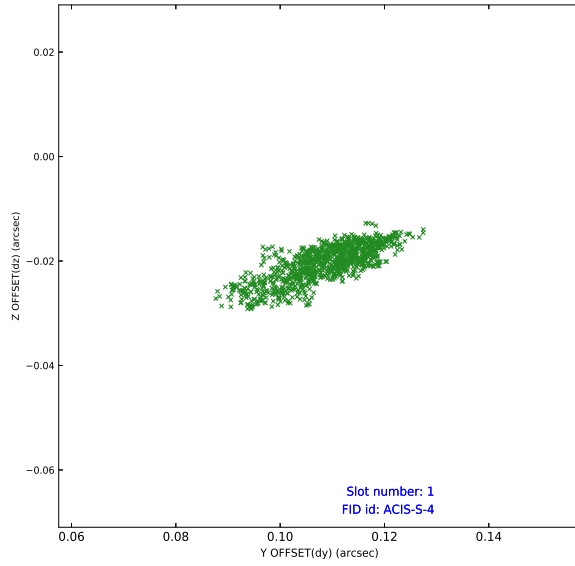


2.5 FID Slots

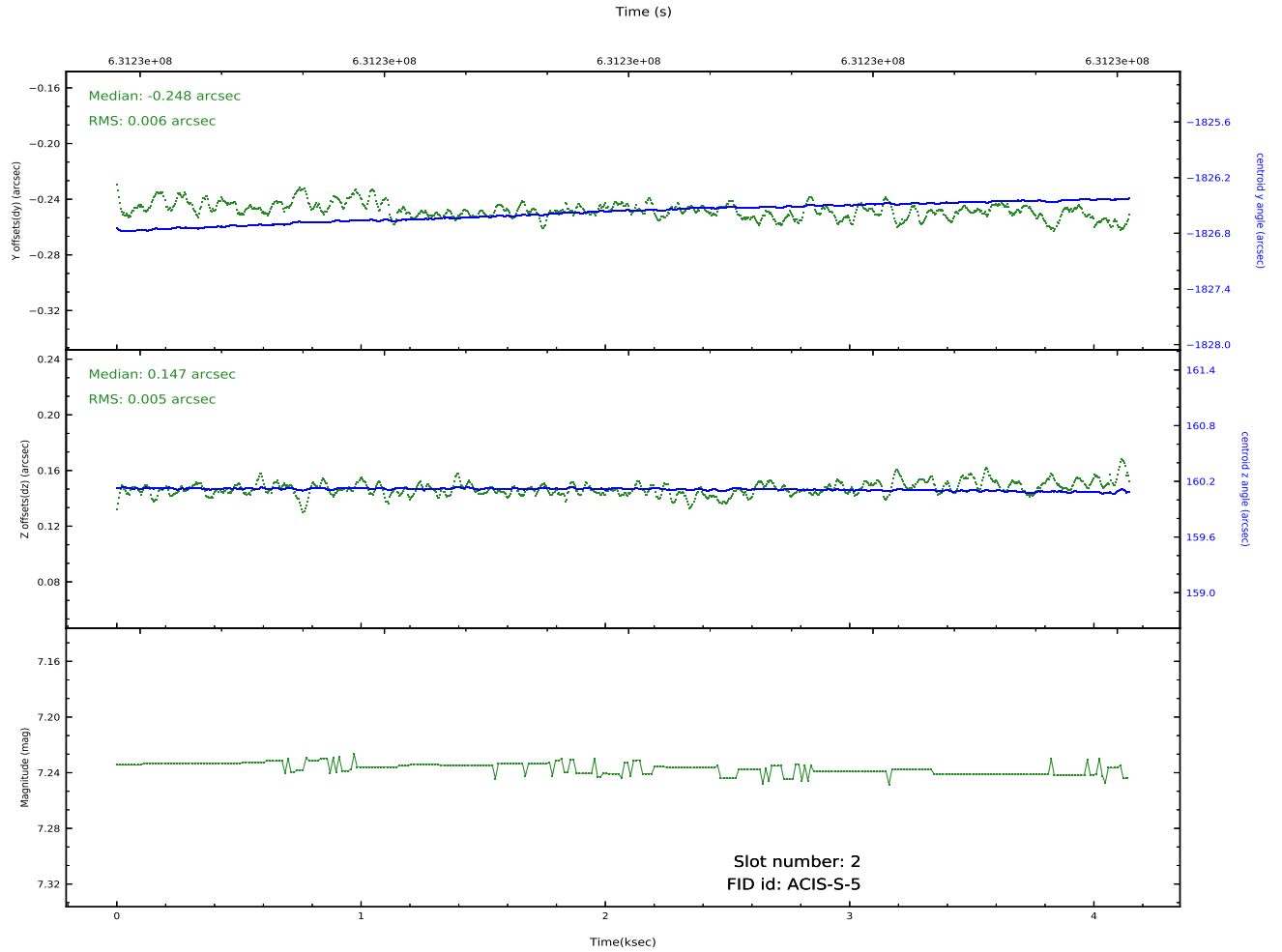
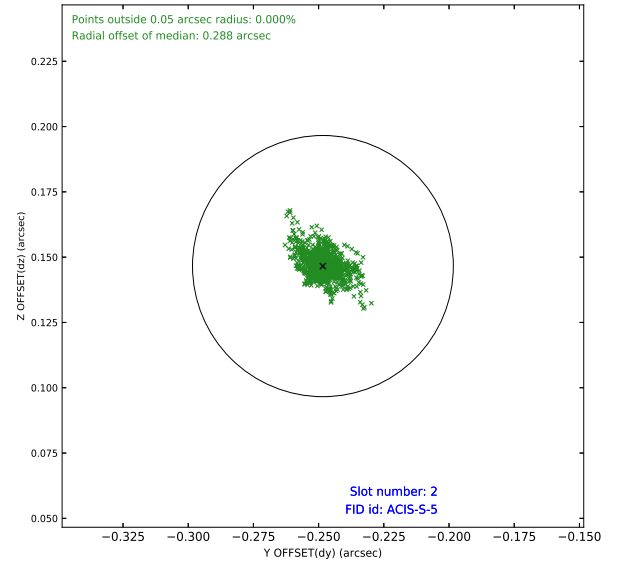
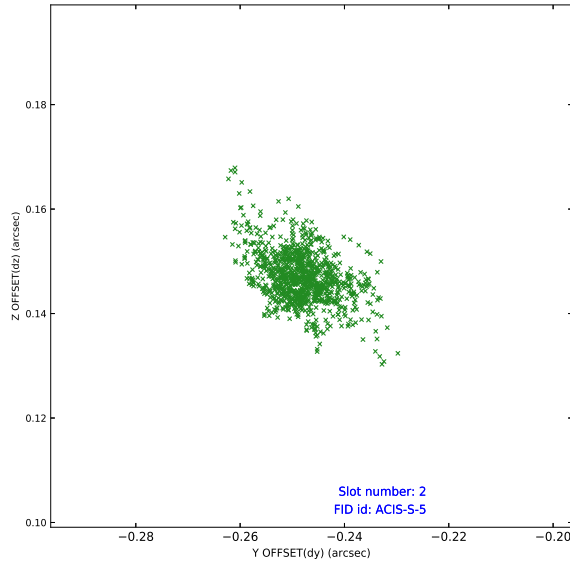
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.9264086534977

A.2 Comments