

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20755 - L2 Version 2
Chandra X-Ray Center

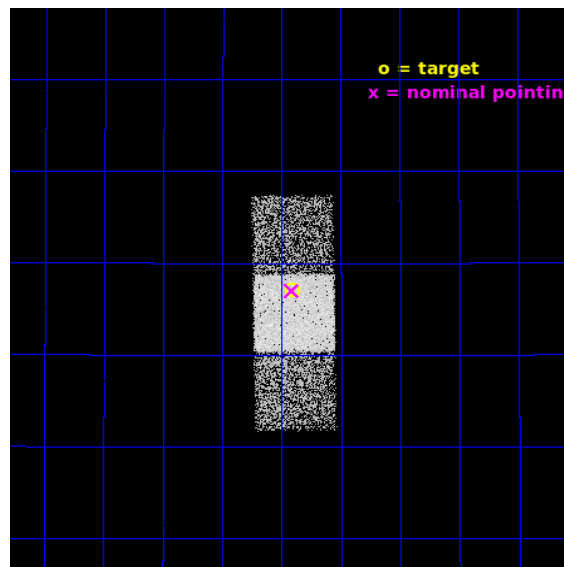
L2 Processing Date : Oct 24 2020

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1 Front

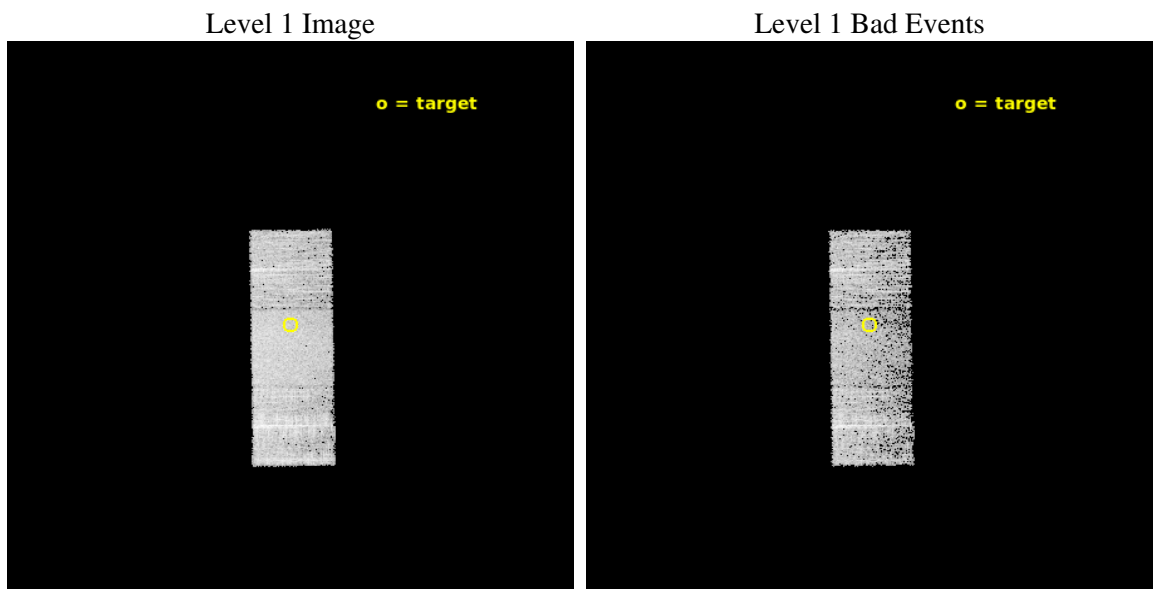
seq_num	703620	Sequence number
obs_id	20755	Observation id
title	A Chandra Snapshot Survey of Extremely Red Quasars from SDSS BOSS and WISE	Proposal title
observer	Gordon Garmire	Principal investigator
object	J1013+3427	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	153.352083	Observer's specified target RA [deg]
dec_targ	34.450722	Observer's specified target Dec [deg]
ra_nom	153.35347185822	Nominal RA [deg]
dec_nom	34.450119912356	Nominal Dec [deg]
roll_nom	89.149892780169	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4112.5503059626	Sum of GTIs [s]
livetime	4058.8168085997	Livetime [s]
ontime6	4112.5092660189	Sum of GTIs [s]
ontime7	4112.5503059626	Sum of GTIs [s]
ontime8	4112.468225956	Sum of GTIs [s]
l2events	22023	Number of level 2 events



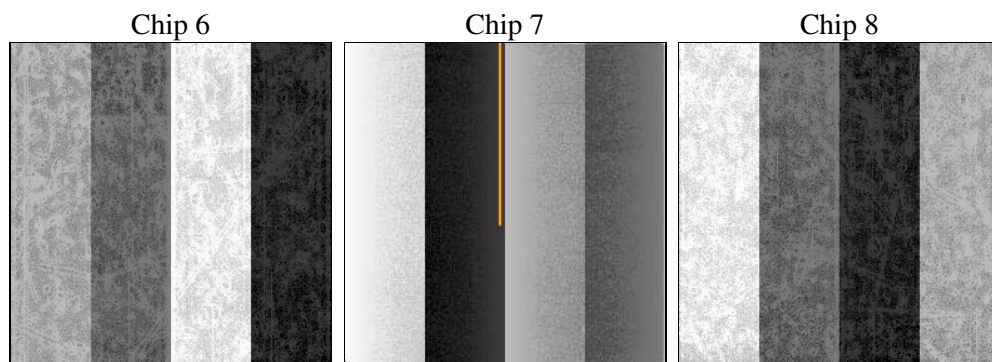
2 OBI

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	4112.5503059626	Sum of GTIs [s]
caldsver	4.9.3	 	ontime6	4112.5092660189	Sum of GTIs [s]
date	2020-10-24T04:59:33	Date and time of file creation	ontime7	4112.5503059626	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	4112.468225956	Sum of GTIs [s]
			l1events	107339	Number of level 1 events

2.1.4 Events

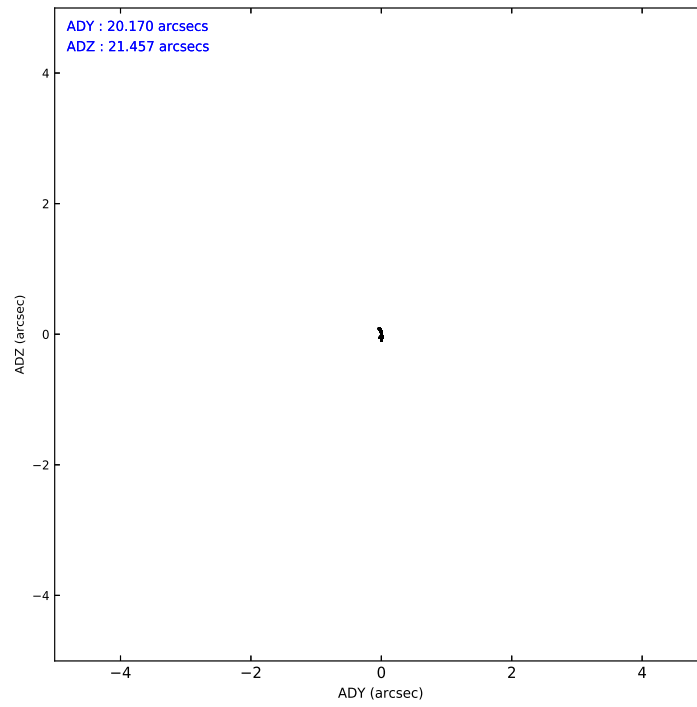
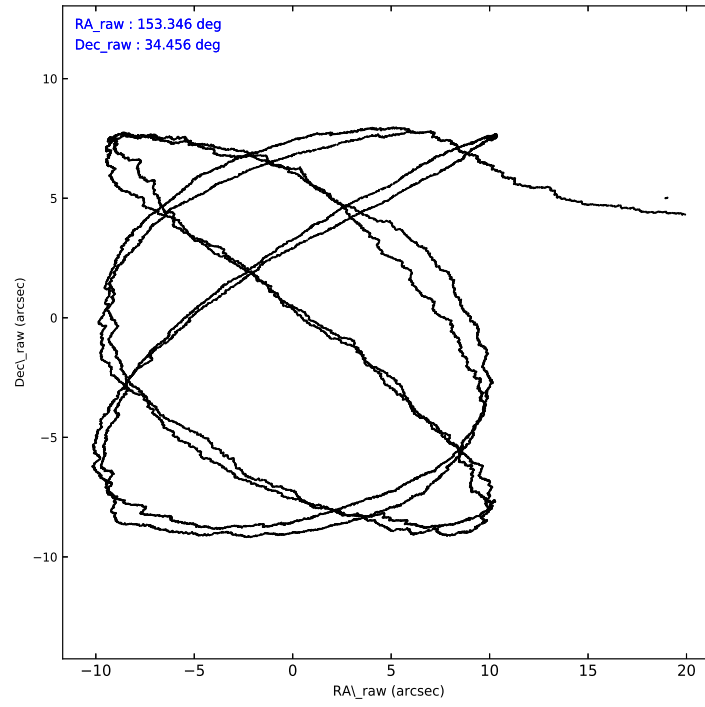
	ccd 6	ccd 7	ccd 8
level 1 events	30762	37411	39166
rejected events	27396	21138	28977
rejected %	89%	56%	73%

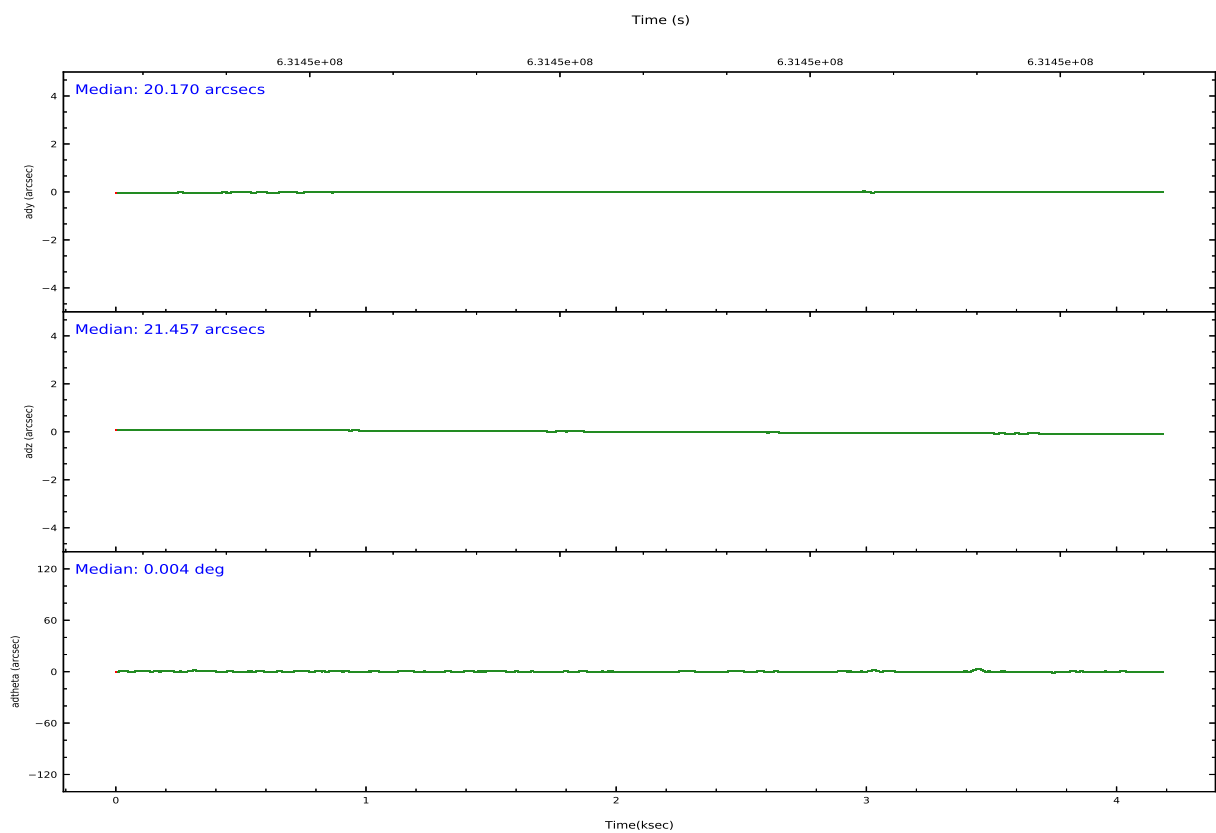
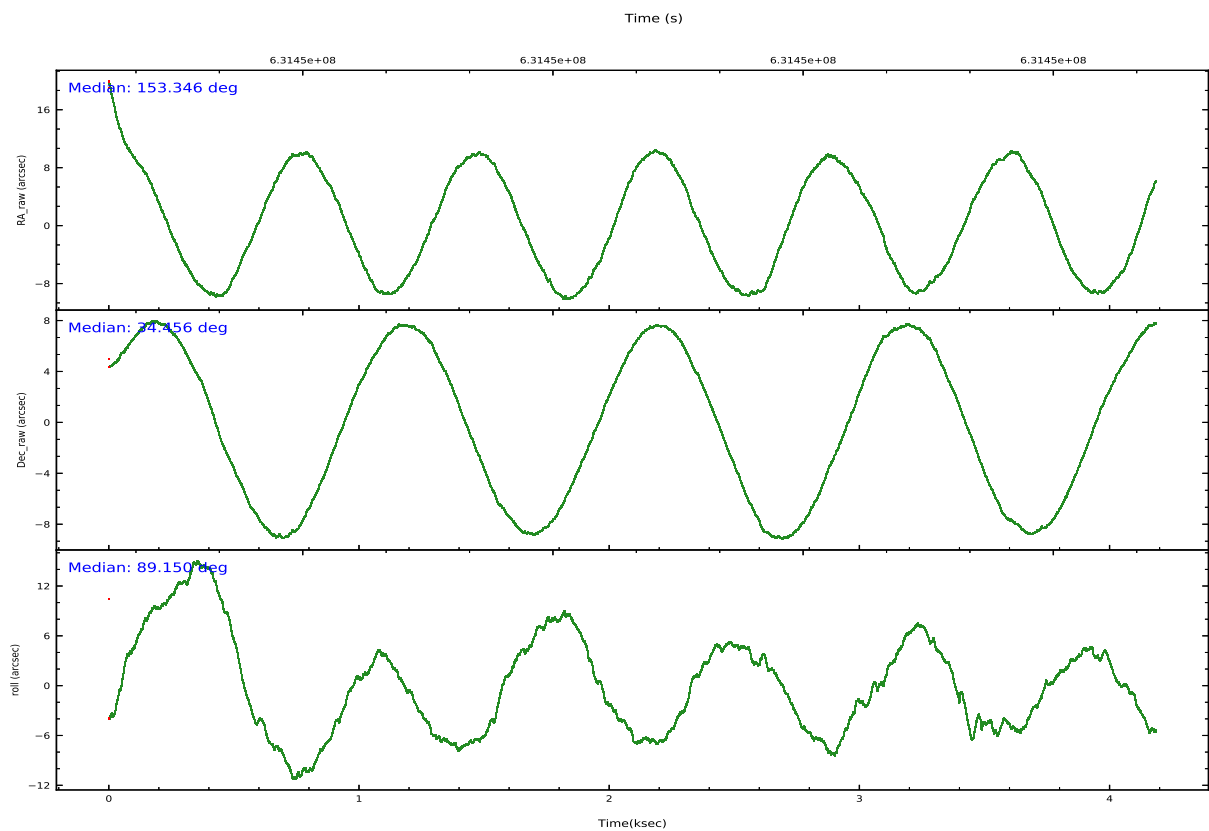
	ccd 6	ccd 7	ccd 8
grade 0 events	1105	1400	2869
	3%	3%	7%
grade 1 events	19	53	33
	0%	0%	0%
grade 2 events	777	3428	2501
	2%	9%	6%
grade 3 events	349	1343	1025
	1%	3%	2%
grade 4 events	318	1217	1016
	1%	3%	2%
grade 5 events	1392	3814	2024
	4%	10%	5%
grade 6 events	827	8904	2832
	2%	23%	7%
grade 7 events	25975	17252	26866
	84%	46%	68%

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	153.362714	153.35347185822	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.432163	34.450119912356	Alternating exposures requested	N	N
[deg] Pointing Roll	88.993988	89.149892780169	[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)	631447412.184000	631445930.89433			
Observation start date	2018-01-04T10:02:23	2018-01-04T09:38:50			
[s] Observation end time (MET)	631451412.184000	631452800.95723			
Observation end date	2018-01-04T11:09:03	2018-01-04T11:33:20			
Read mode	TIMED	TIMED			

2.3 Aspect



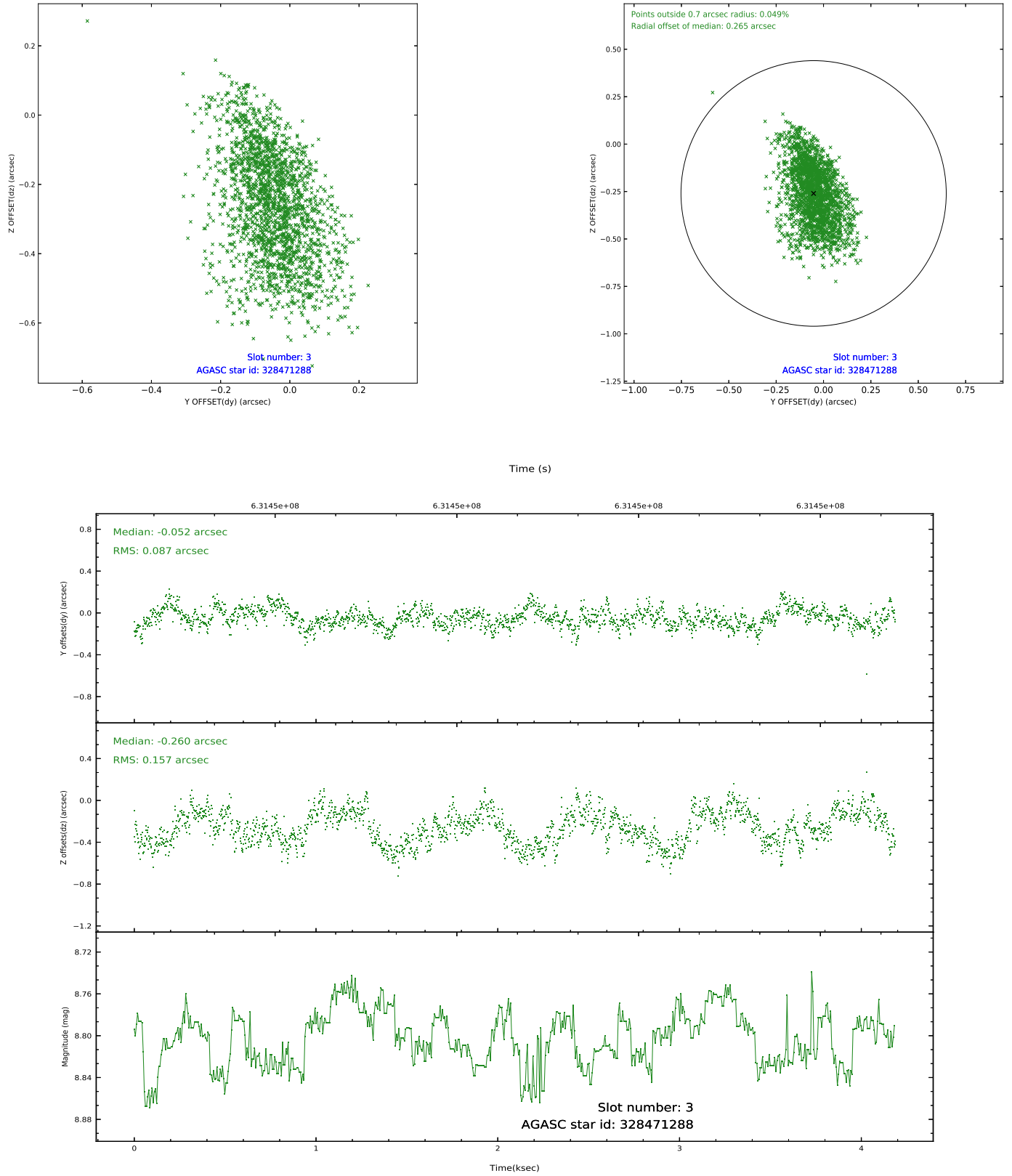


Slot Statistics

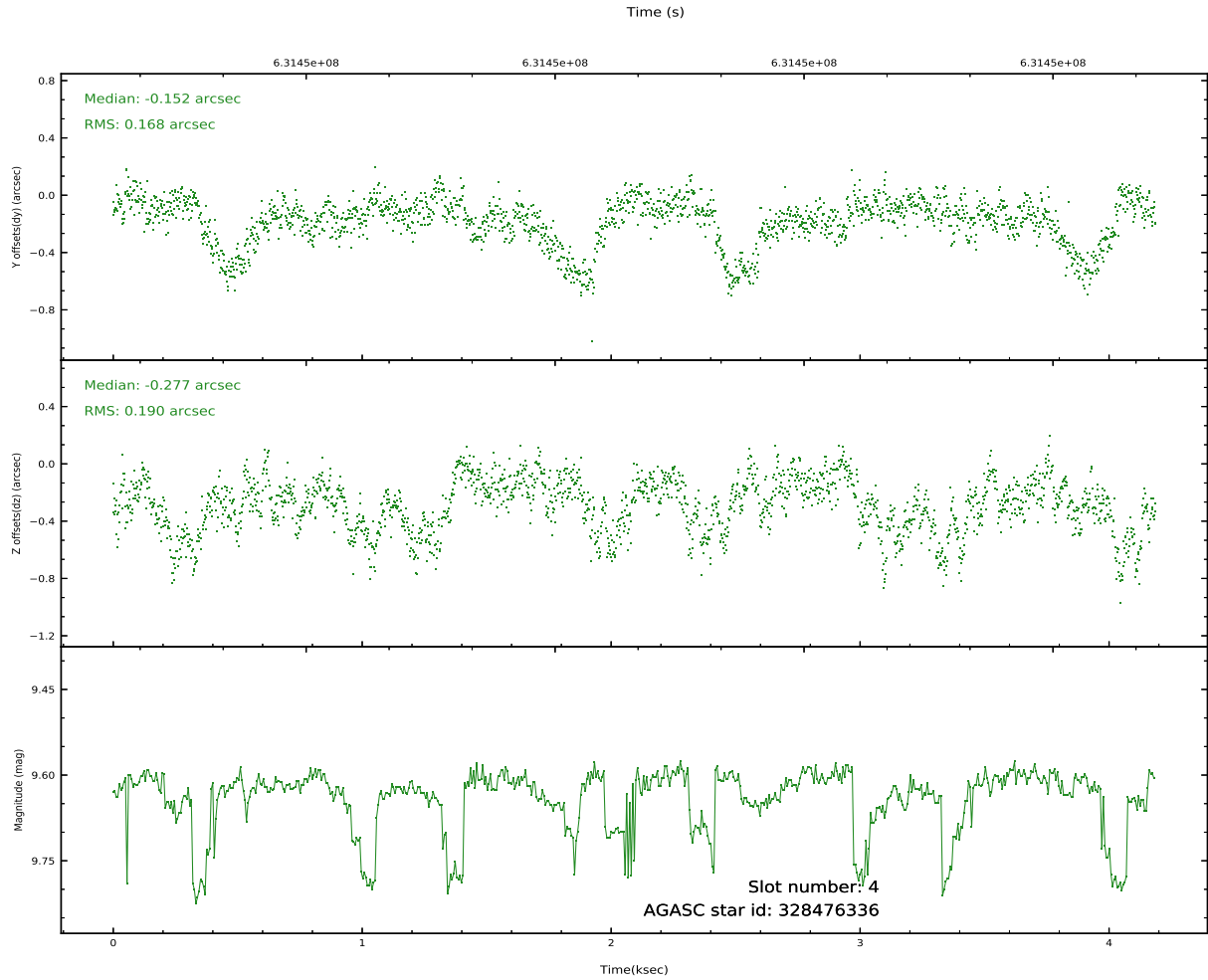
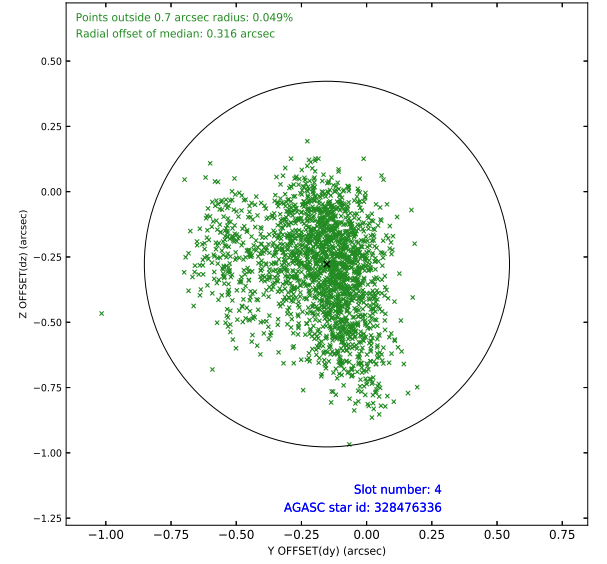
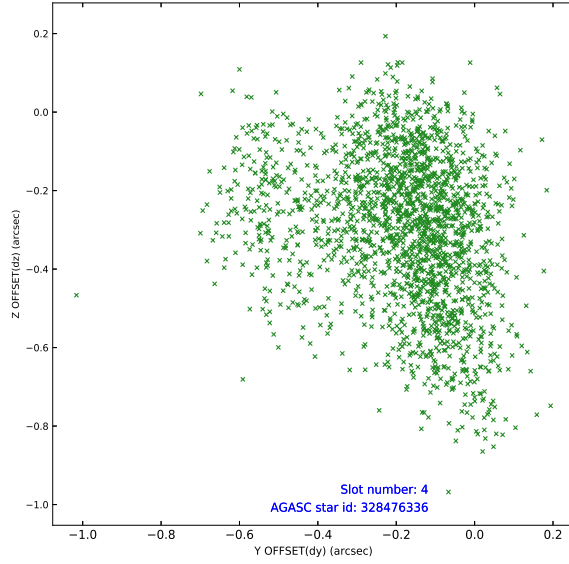
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.02	1022	1.000	0.106	-0.120	0.007	0.012	0.000000	0.000000	-773.43	-1743
1	FID		ACIS-S-4	7.14	1020	1.000	0.112	-0.019	0.006	0.012	0.000000	0.000000	2139.45	163
2	FID		ACIS-S-5	7.13	1022	1.000	-0.249	0.147	0.006	0.010	0.000000	0.000000	-1824.46	159
3	GUIDE	used	328471288	8.80	2040	1.000	-0.052	-0.260	0.187	0.319	152.594208	34.130362	-1118.72	2271
4	GUIDE	used	328476336	9.63	2041	1.000	-0.152	-0.277	0.266	0.455	152.772005	34.845682	1461.14	1771
5	GUIDE	used	329389424	9.27	2043	1.000	-0.068	-0.024	0.174	0.291	153.170993	33.875228	-2013.58	539
6	GUIDE	used	329392240	9.01	2042	1.000	0.039	0.430	0.169	0.277	154.039456	33.793970	-2256.09	-2064
7	GUIDE	used	329393224	9.14	2034	1.000	0.250	0.152	0.155	0.261	154.052590	34.400835	-70.77	-2051

2.4 Star Slots

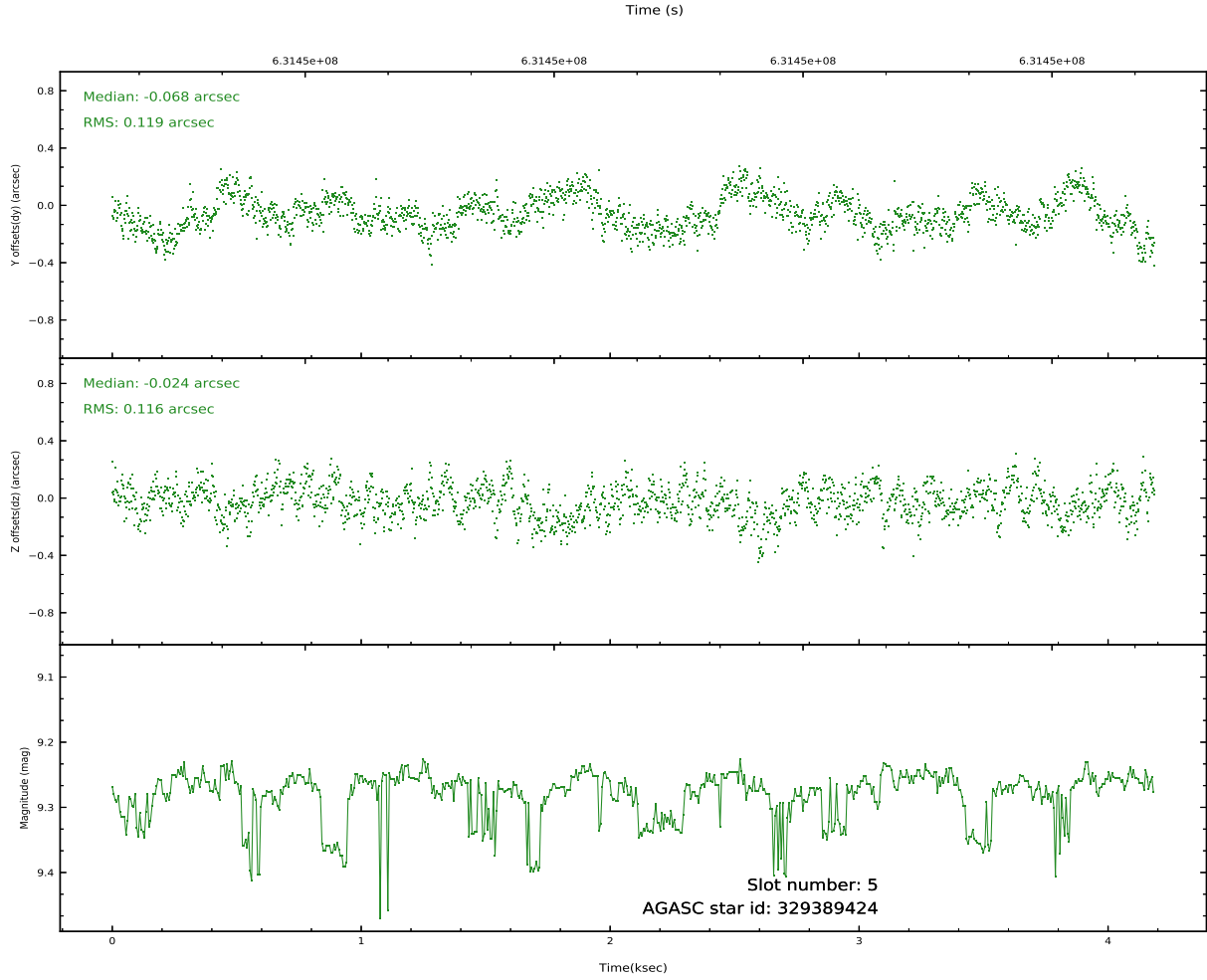
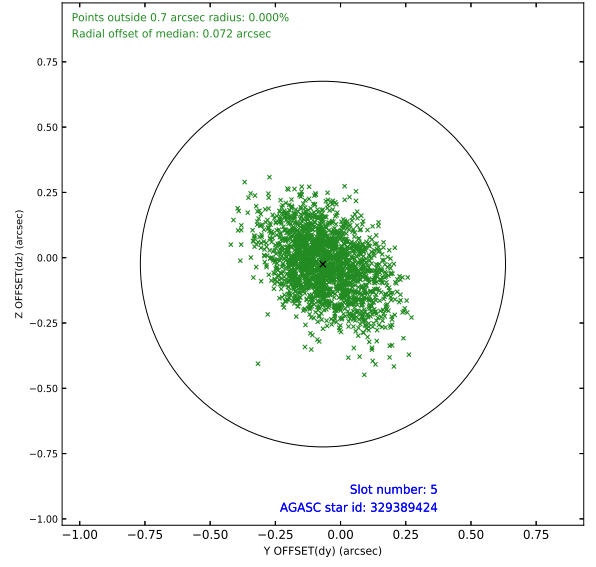
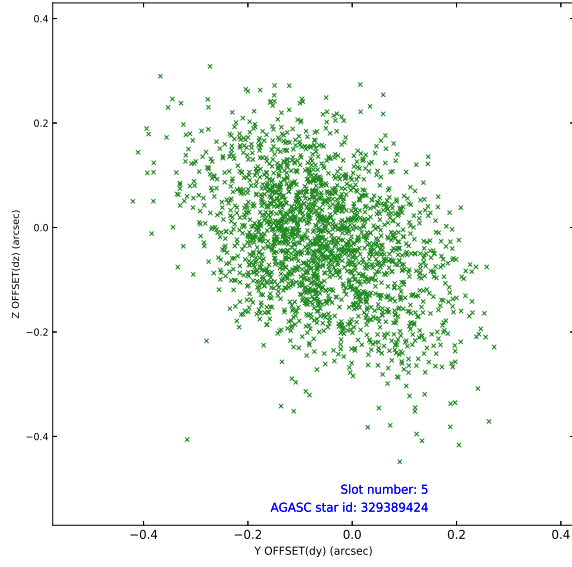
2.4.1 Slot 3



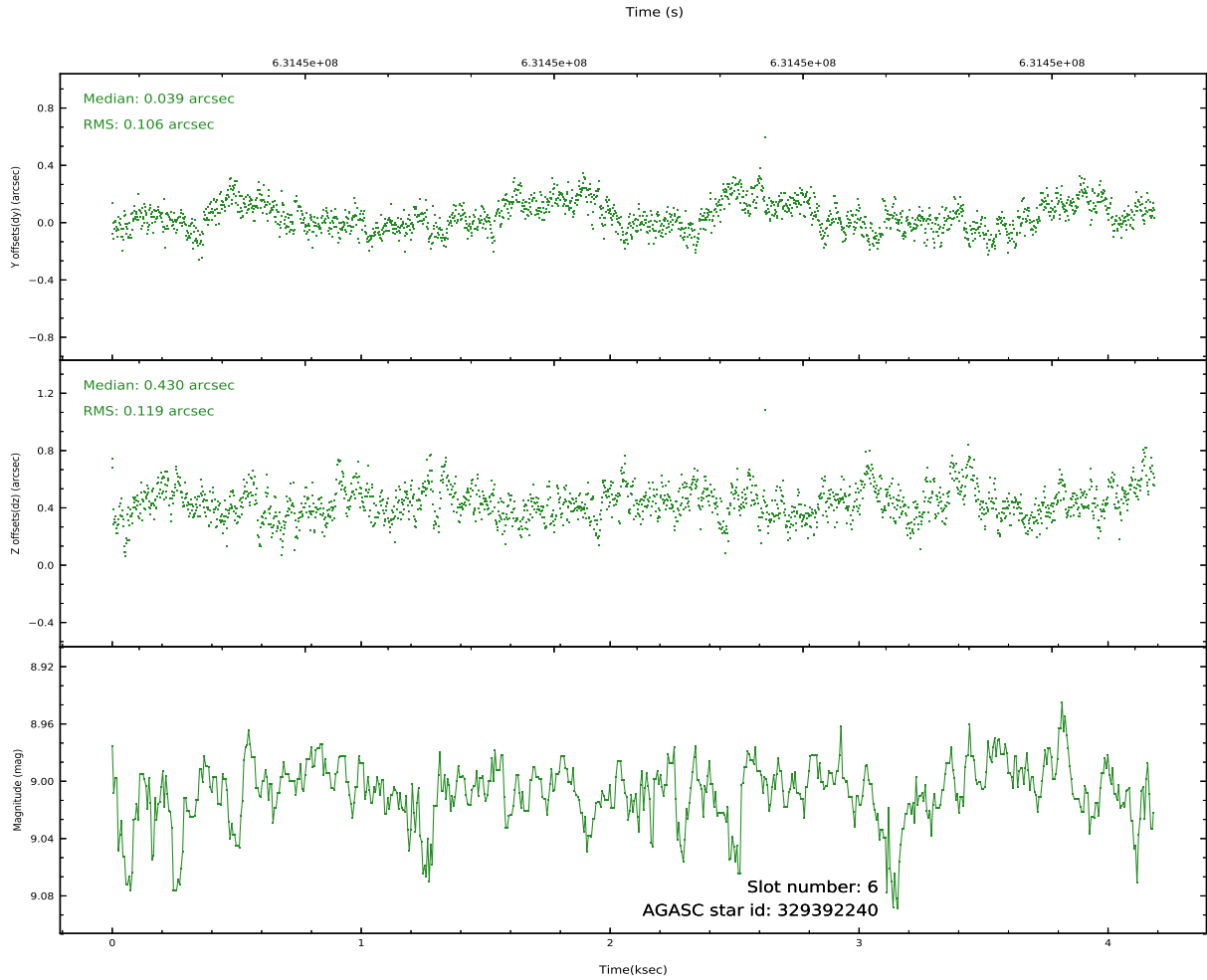
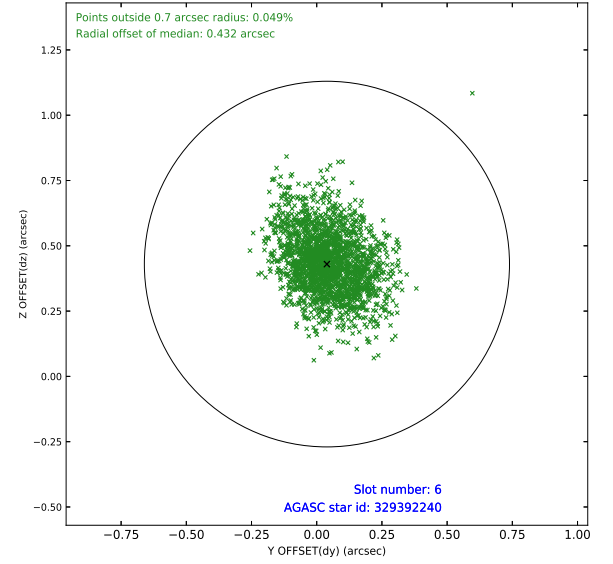
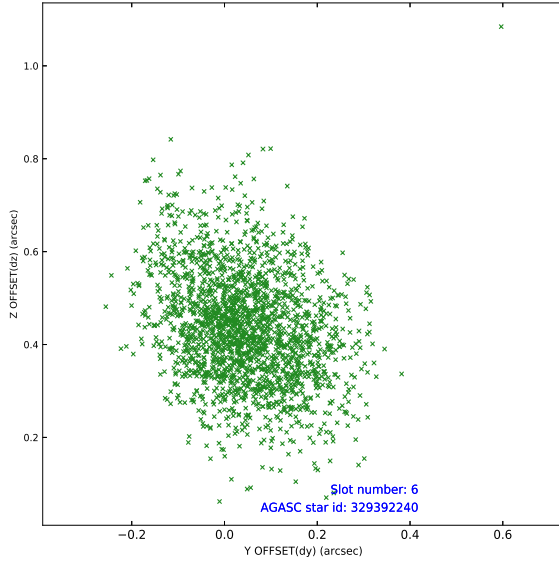
2.4.2 Slot 4



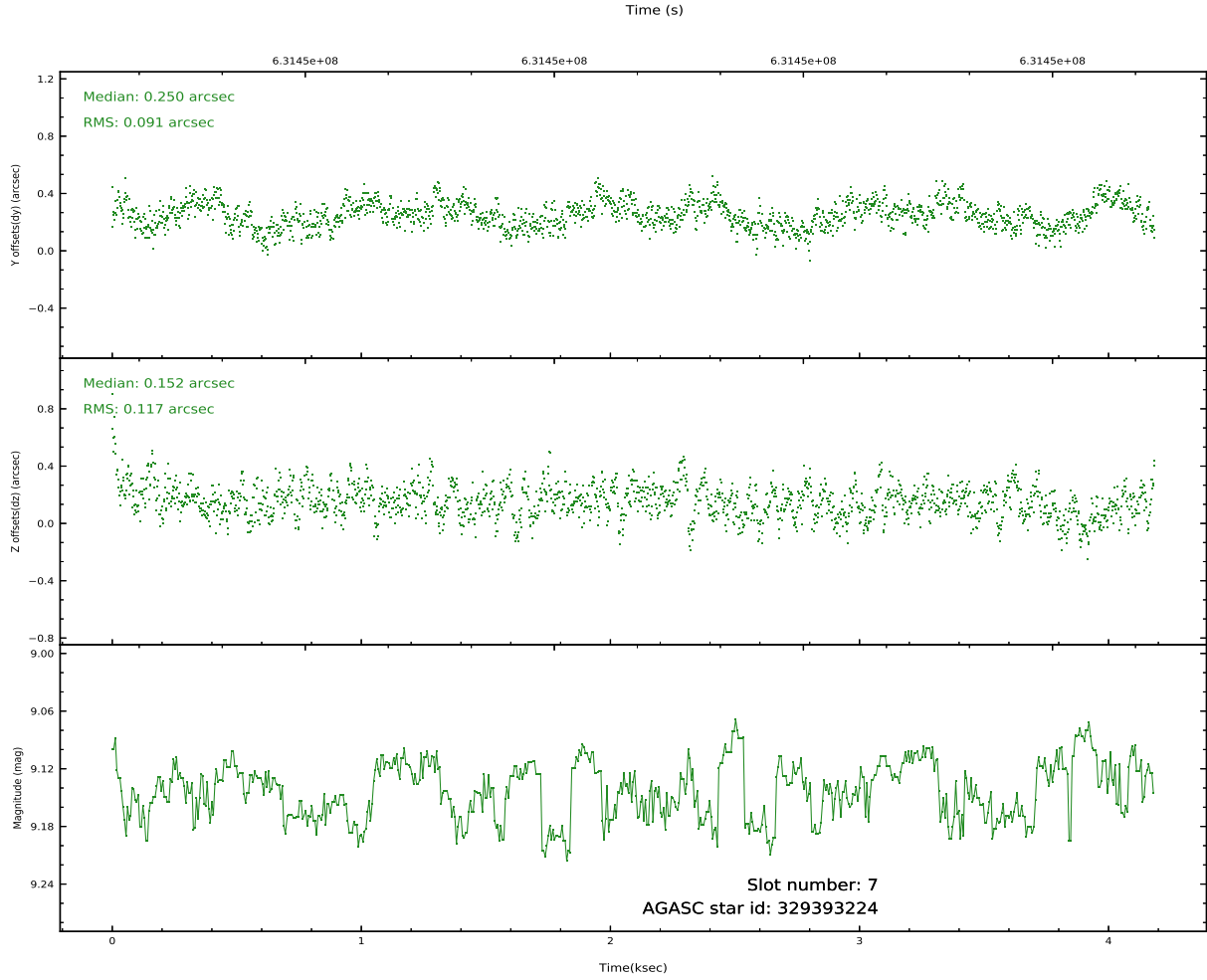
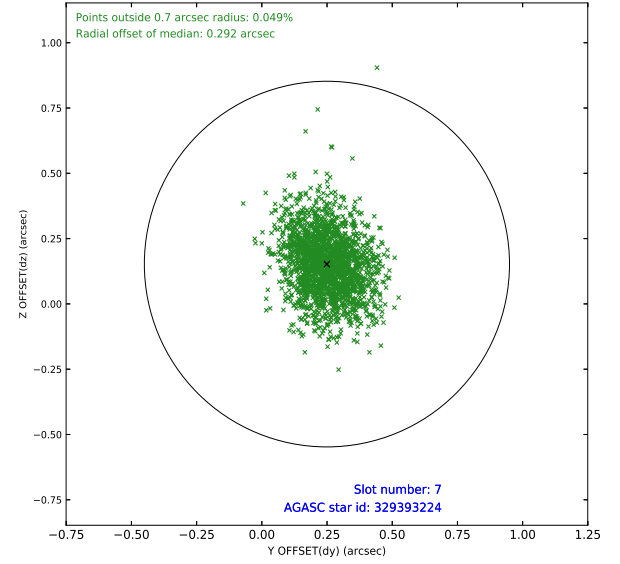
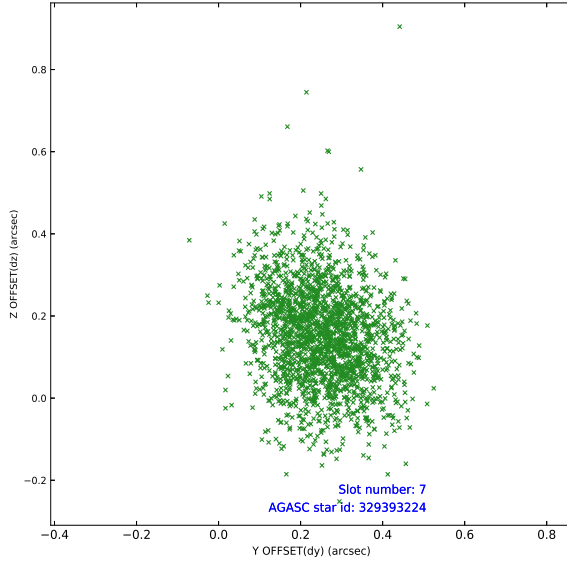
2.4.3 Slot 5



2.4.4 Slot 6

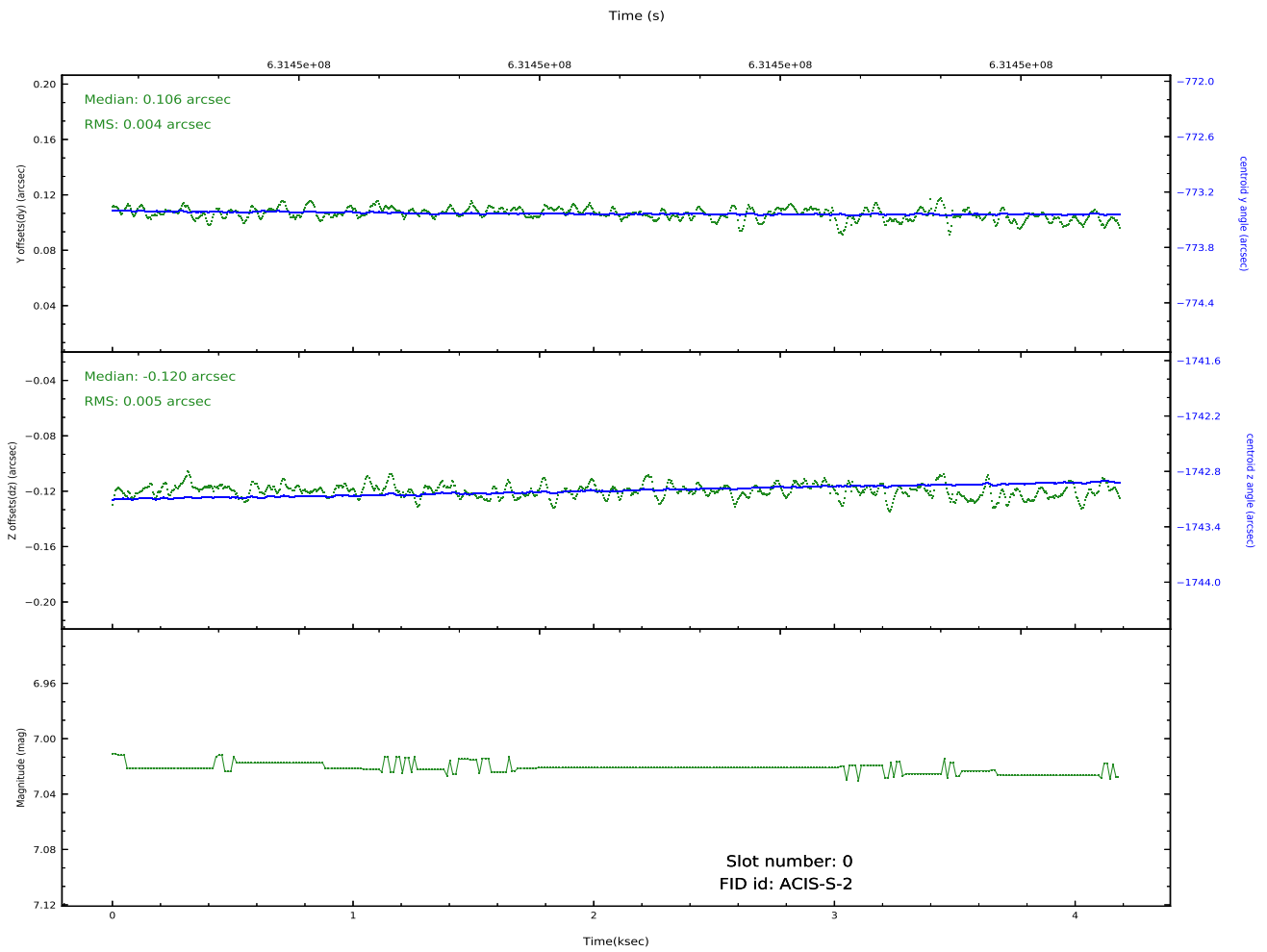
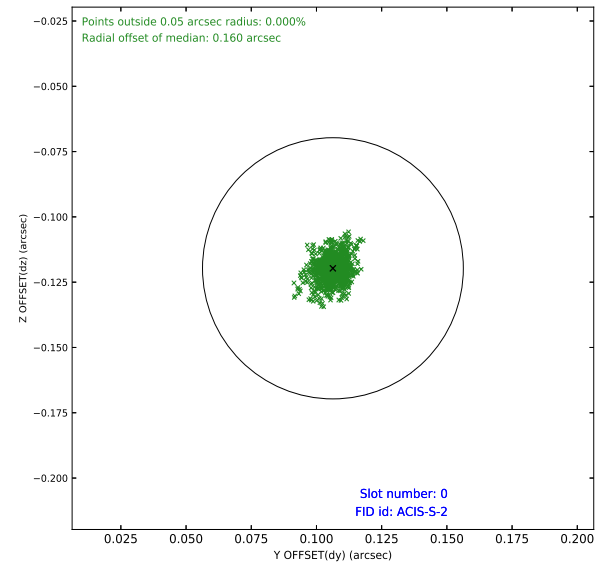
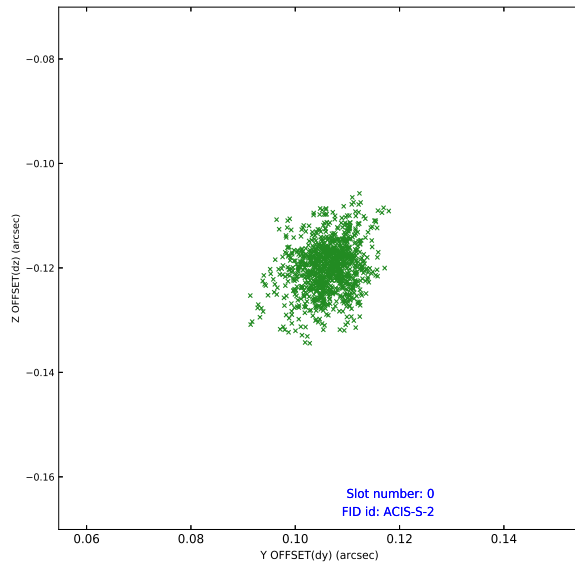


2.4.5 Slot 7

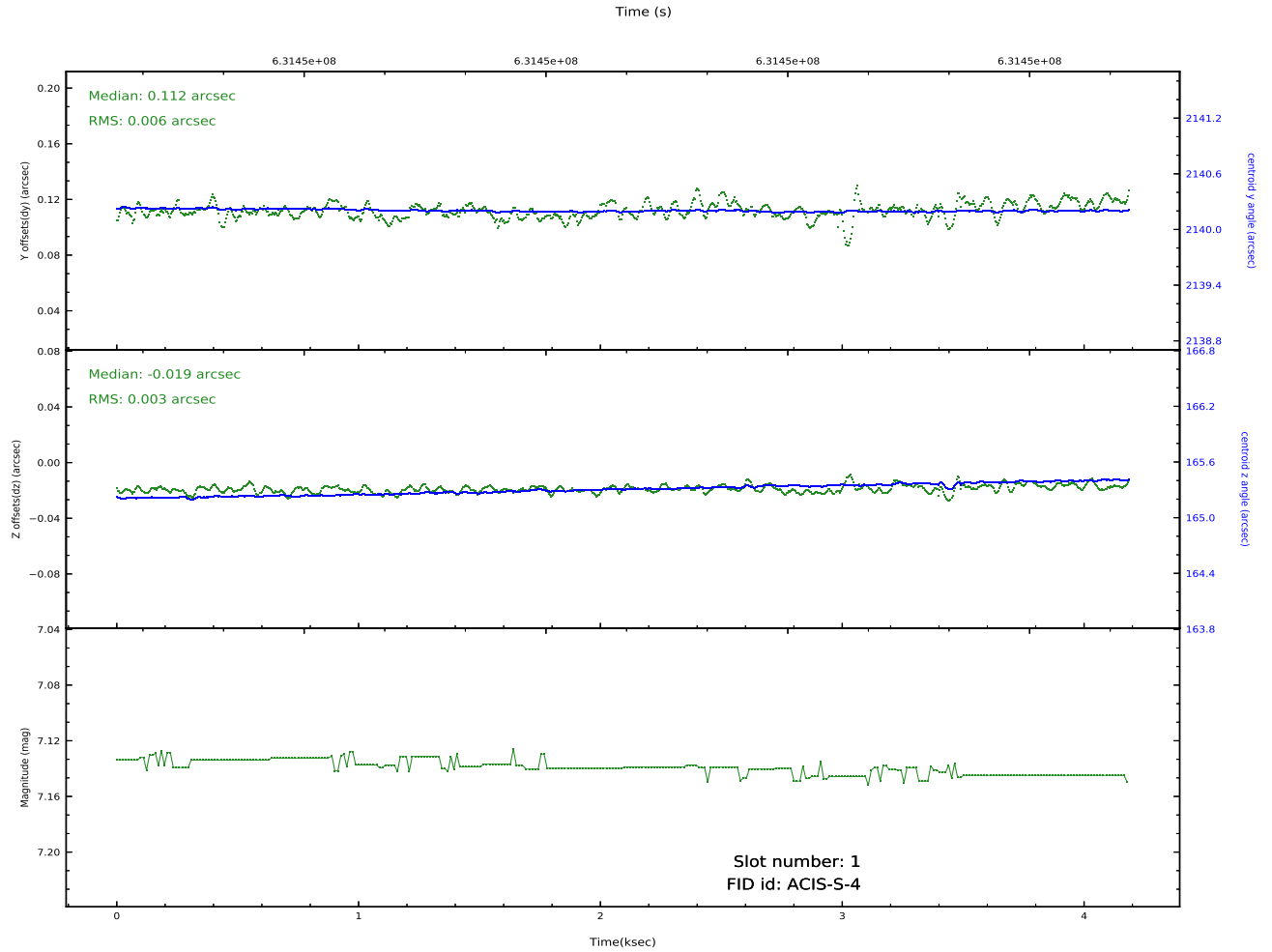
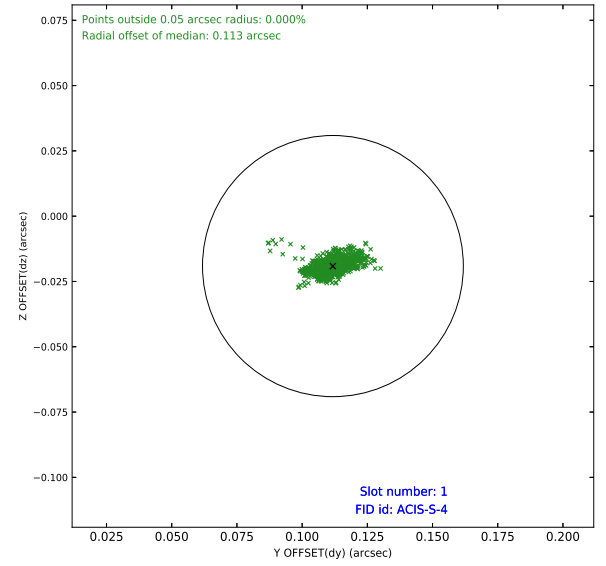
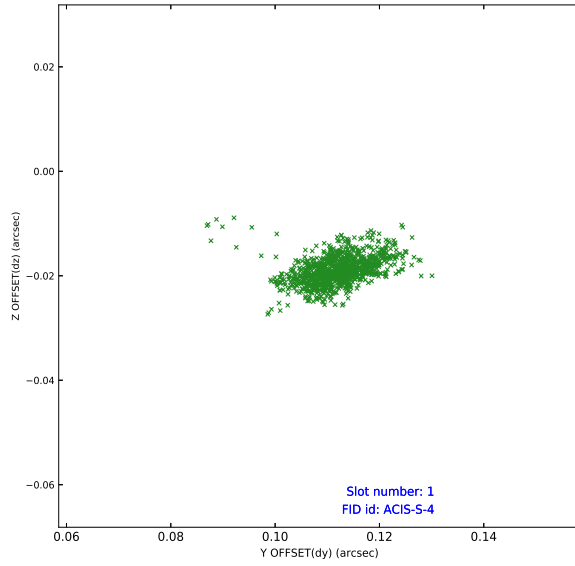


2.5 FID Slots

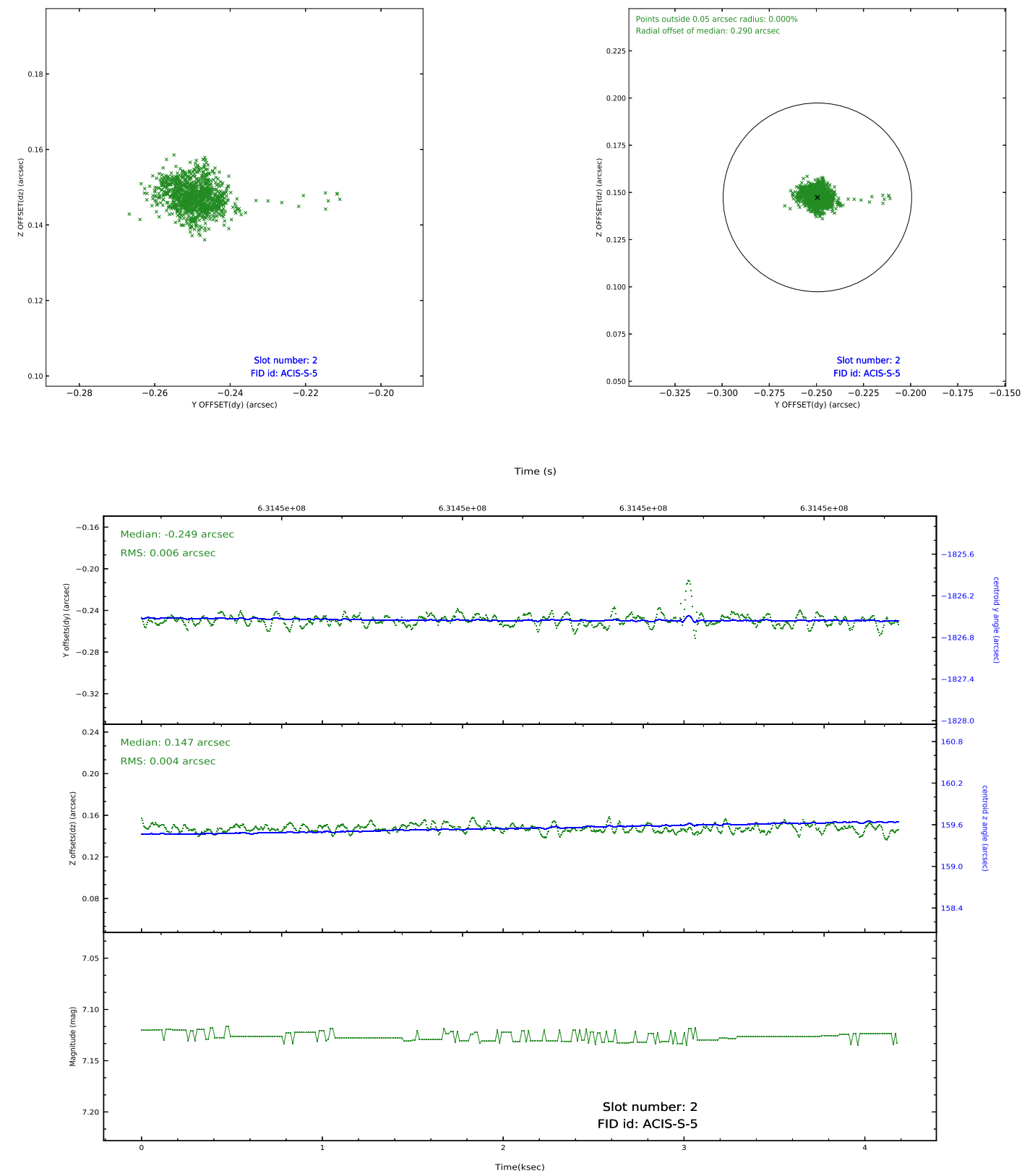
2.5.1 Slot 0



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	4.1125503034592

A.2 Comments