

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20399 - L2 Version 2
Chandra X-Ray Center

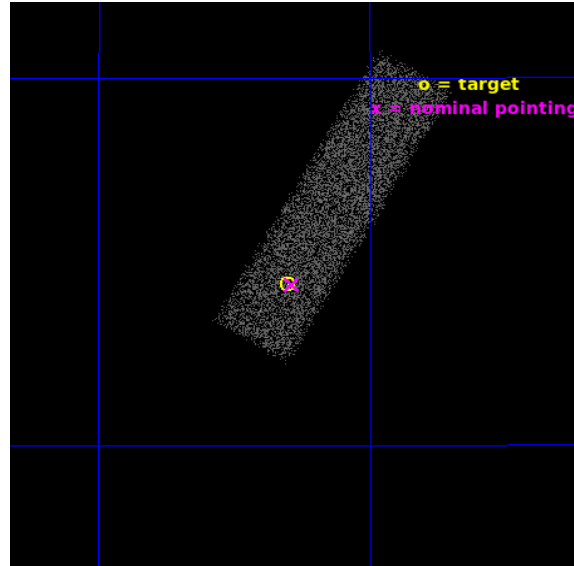
L2 Processing Date : Oct 26 2020

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1 Front

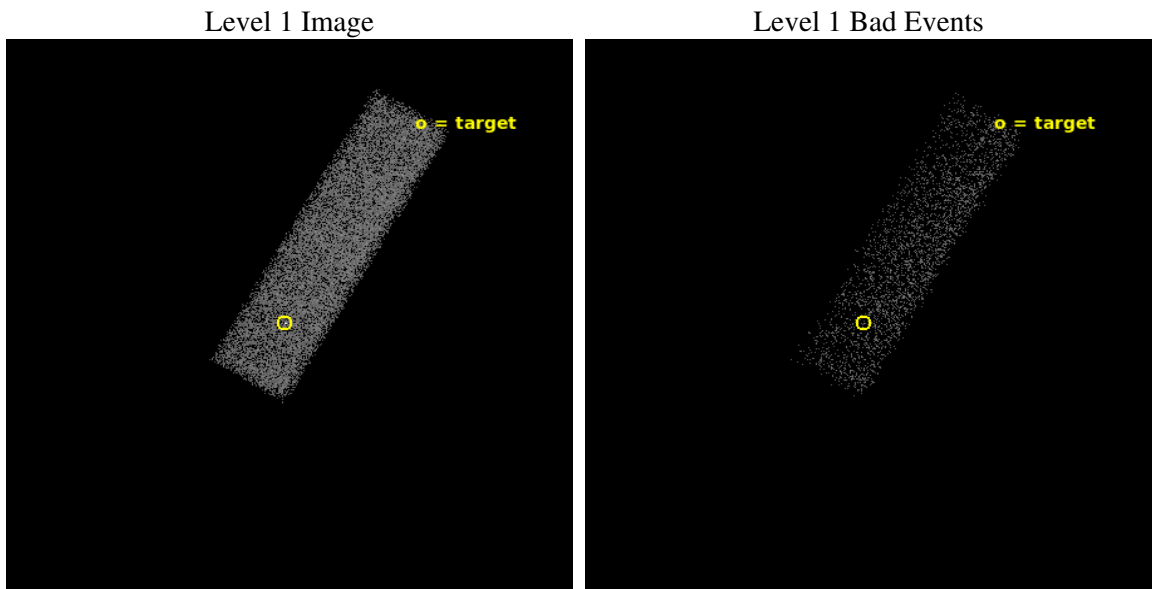
seq_num	703504	Sequence number
obs_id	20399	Observation id
title	A SEARCH FOR BEACONS IN THE EARLY UNIVERSE: A SURVEY OF HIGH REDSHIFT RADIO JETS	Proposal title
observer	Daniel Schwartz	Principal investigator
object	J0805+6144	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	121.325833	Observer's specified target RA [deg]
dec_targ	61.739917	Observer's specified target Dec [deg]
ra_nom	121.32191834407	Nominal RA [deg]
dec_nom	61.739576864951	Nominal Dec [deg]
roll_nom	300.13167616938	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10255.199388742	Sum of GTIs [s]
livetime	9754.7792150124	Livetime [s]
ontime7	10255.199388742	Sum of GTIs [s]
l2events	12202	Number of level 2 events



2 OBI

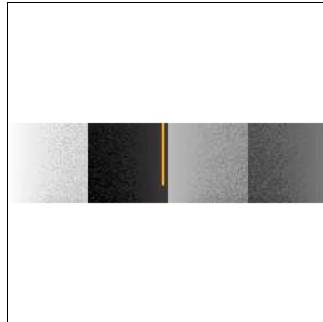
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10194.838000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	10255.199388742	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	10255.199388742	Sum of GTIs [s]
date	2020-10-26T07:06:56	Date and time of file creation	l1events	25789	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

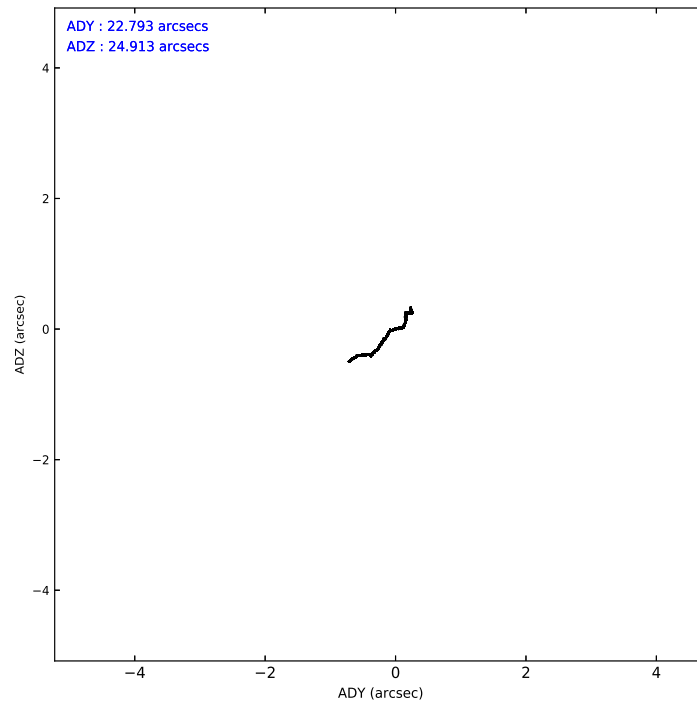
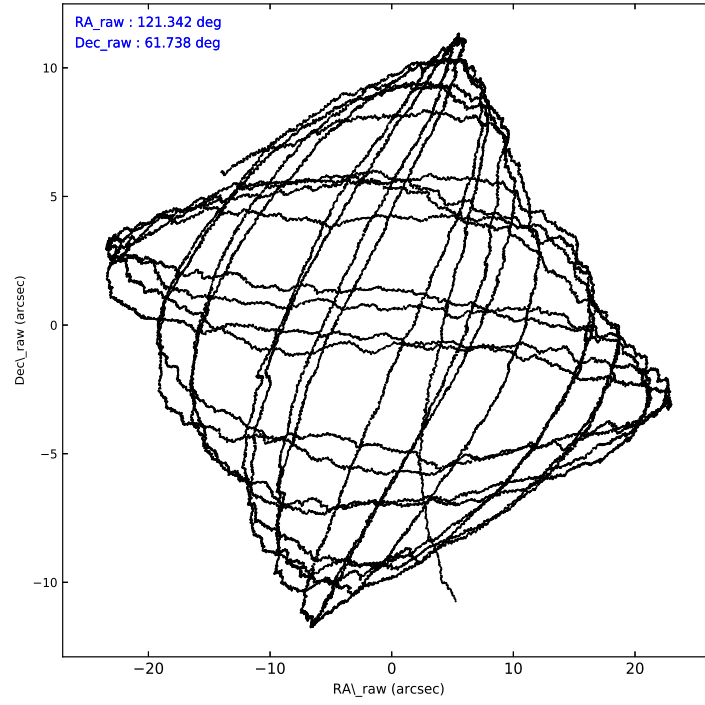
	ccd 7
level 1 events	25789
rejected events	13199
rejected %	51%

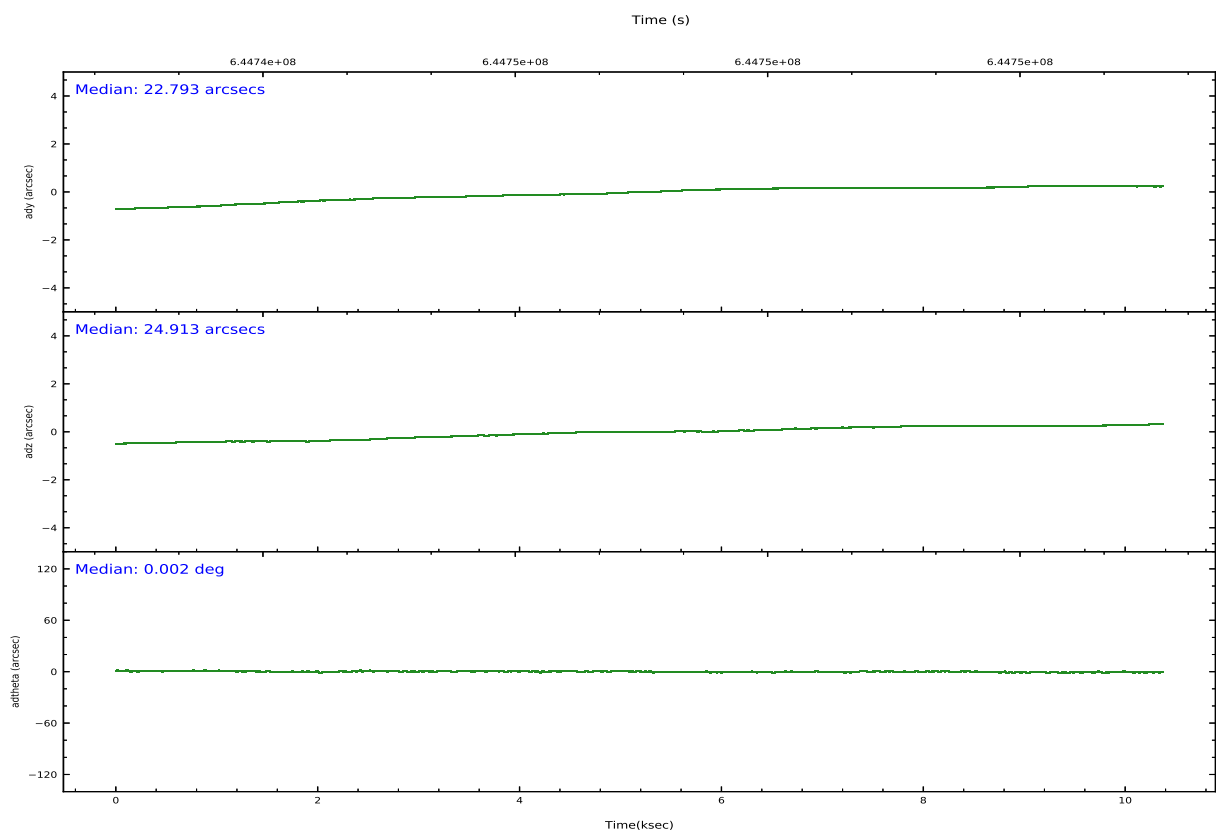
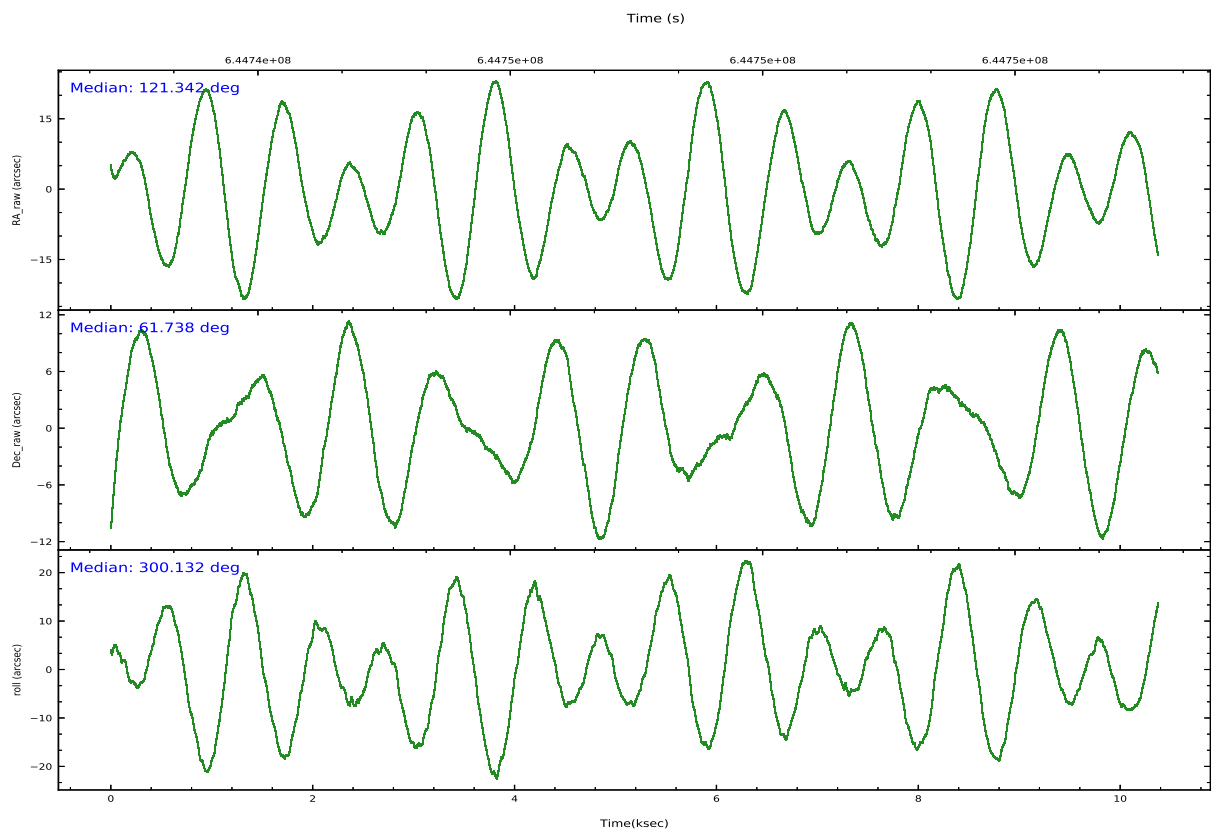
	ccd 7
grade 0 events	1338
	5%
grade 1 events	41
	0%
grade 2 events	2720
	10%
grade 3 events	1353
	5%
grade 4 events	1342
	5%
grade 5 events	2741
	10%
grade 6 events	5837
	22%
grade 7 events	10417
	40%

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	121.291254	121.32191834407	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	61.750863	61.739576864951	Subarray start row	385	385
[deg] Pointing Roll	300.030466	300.13167616938	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	644743724.184000	644742927.14114			
Observation start date	2018-06-07T07:27:35	2018-06-07T07:15:27			
[s] Observation end time (MET)	644753919.184000	644755035.97936			
Observation end date	2018-06-07T10:17:30	2018-06-07T10:37:15			
Read mode	TIMED	TIMED			

2.3 Aspect



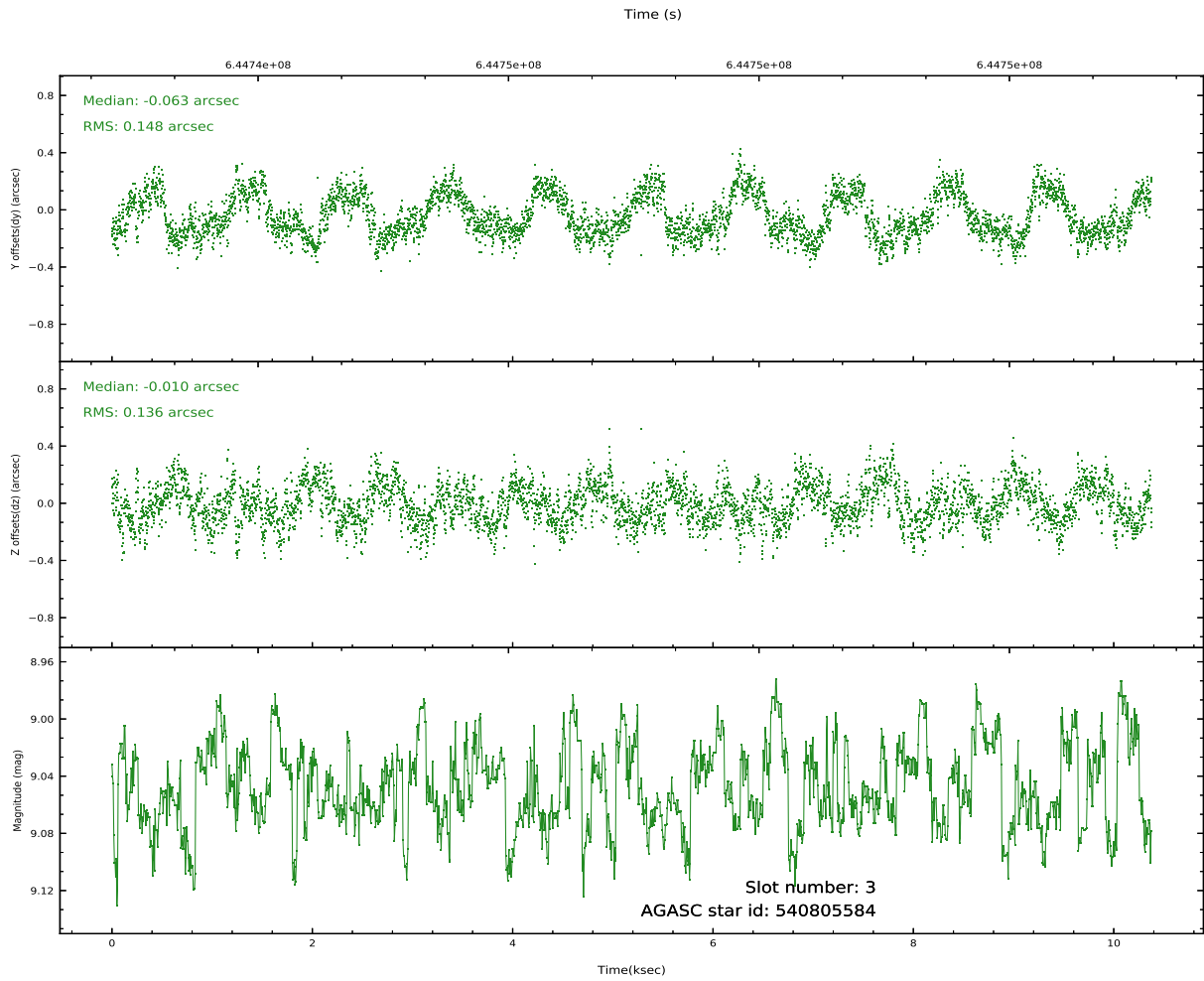
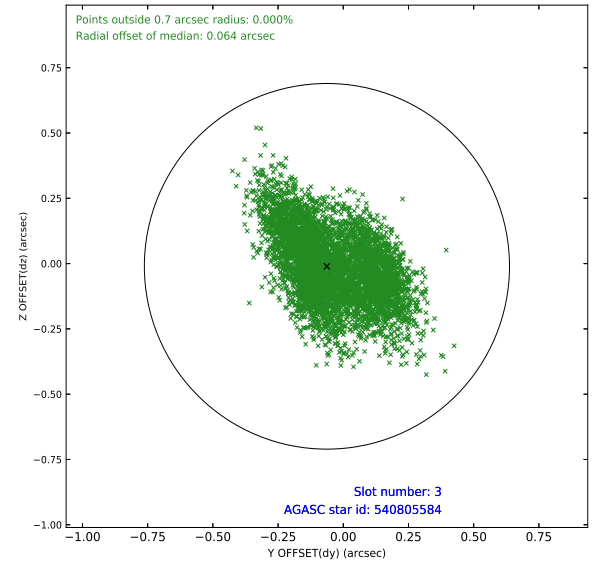
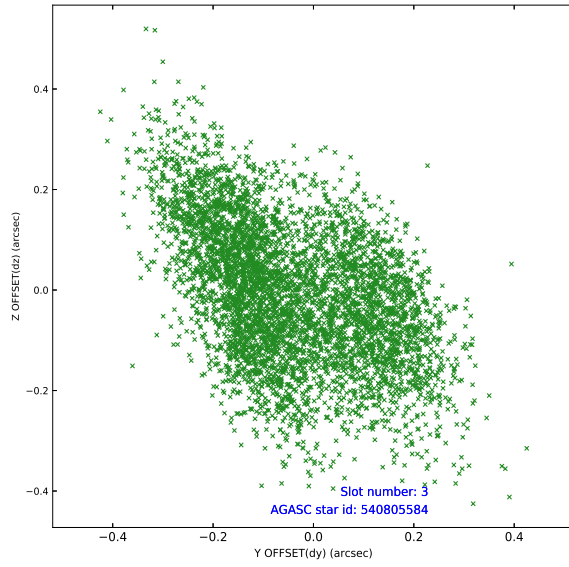


Slot Statistics

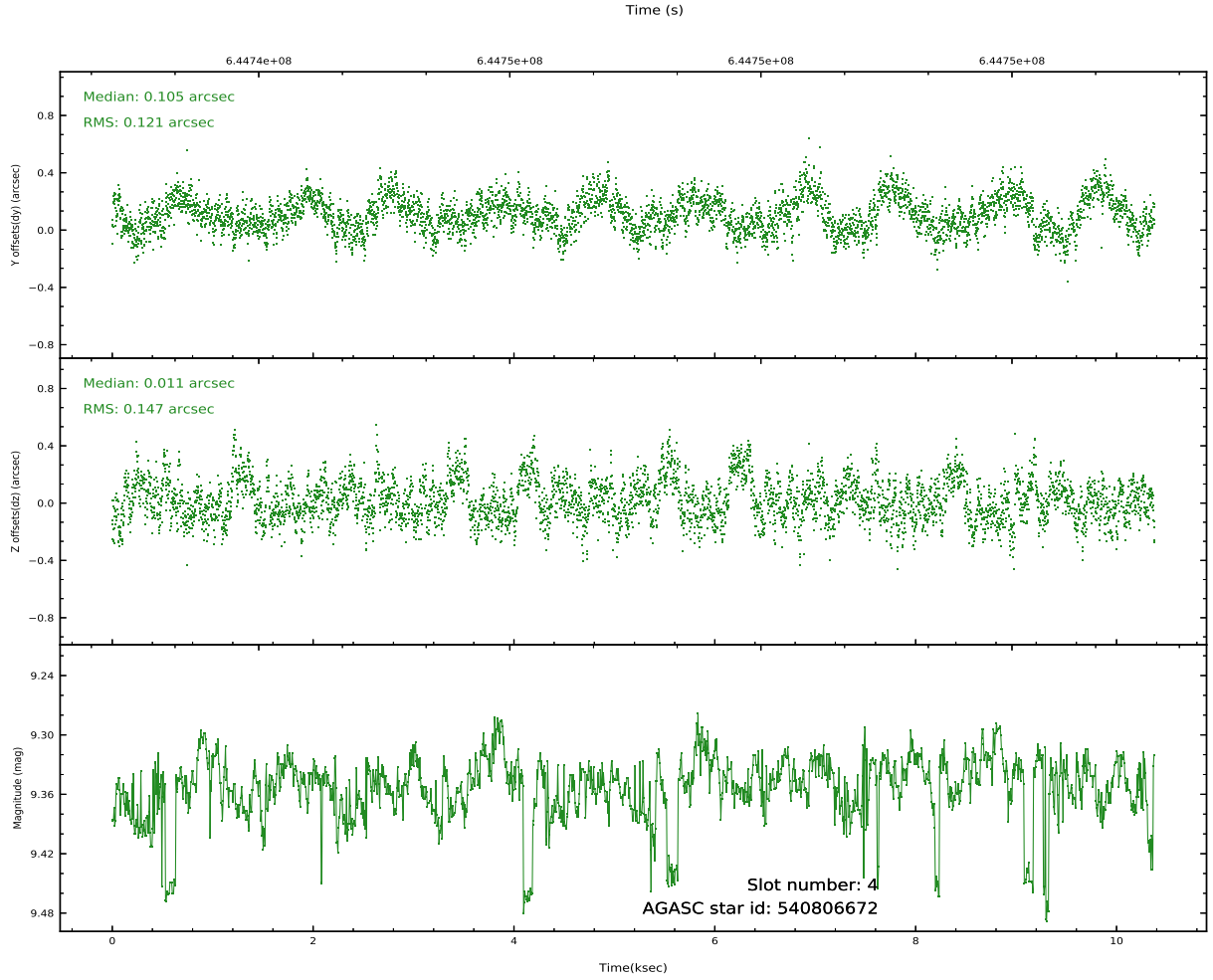
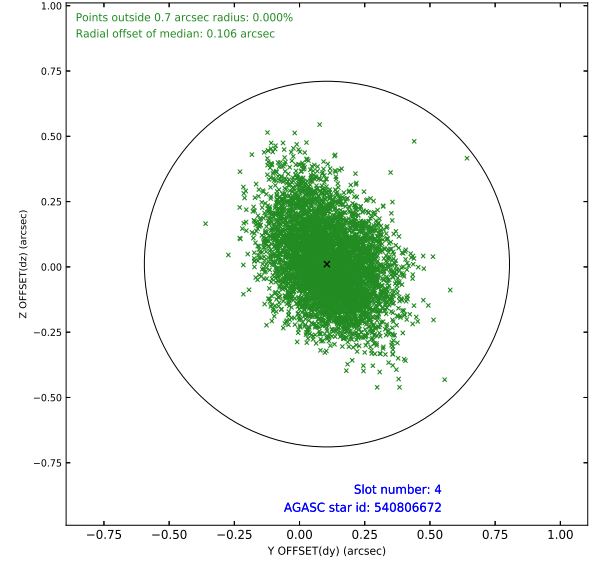
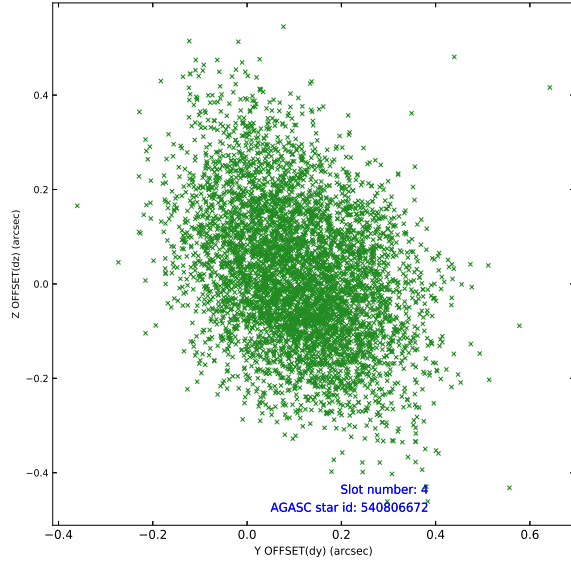
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.07	2531	1.000	0.259	-0.065	0.010	0.017	0.000000	0.000000	920.18	-1742
1	FID		ACIS-S-4	7.09	2531	1.000	-0.015	-0.075	0.011	0.018	0.000000	0.000000	2137.82	161
2	FID		ACIS-S-5	7.12	2532	1.000	-0.270	0.152	0.008	0.015	0.000000	0.000000	-1828.35	156
3	GUIDE	used	540805584	9.05	5061	1.000	-0.063	-0.010	0.217	0.341	121.852449	62.486103	-1828.15	2134
4	GUIDE	used	540806672	9.35	5055	1.000	0.105	0.011	0.201	0.331	121.059050	61.833405	-455.06	-192
5	GUIDE	used	540819816	9.39	5051	1.000	0.222	-0.001	0.206	0.350	120.839319	61.694479	-212.13	-768
6	GUIDE	used	540819080	7.12	5062	1.000	0.093	-0.287	0.162	0.295	120.569114	60.993476	1724.03	-2452
7	GUIDE	used	541196456	8.39	5057	1.000	-0.387	0.291	0.273	0.427	121.462068	62.544435	-2331.90	1675

2.4 Star Slots

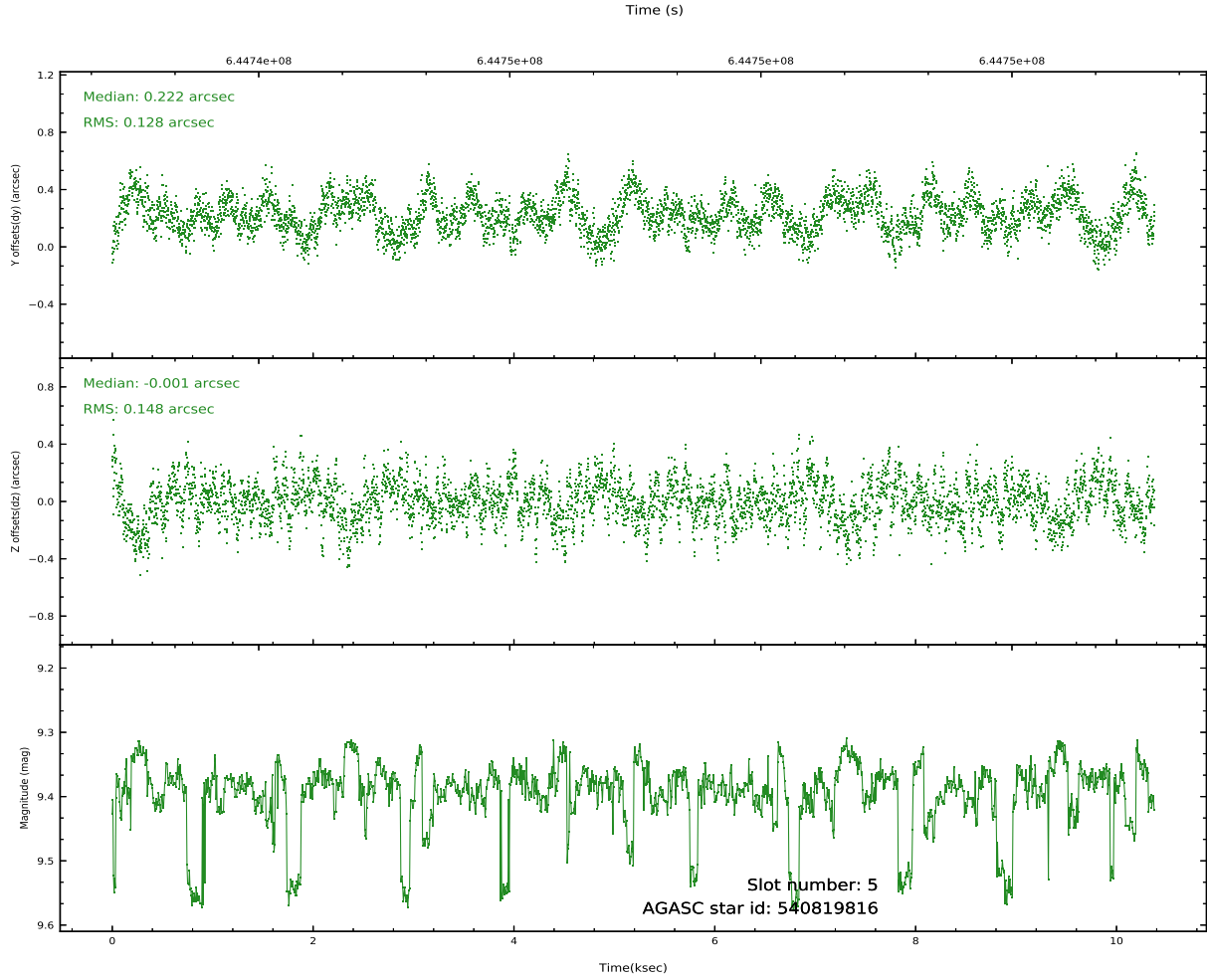
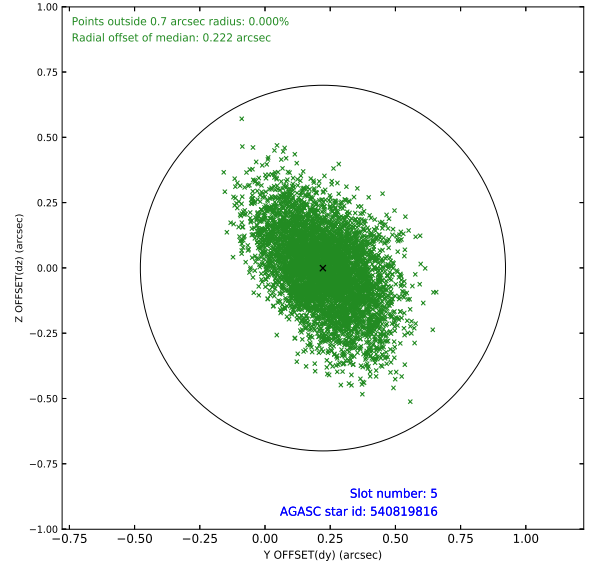
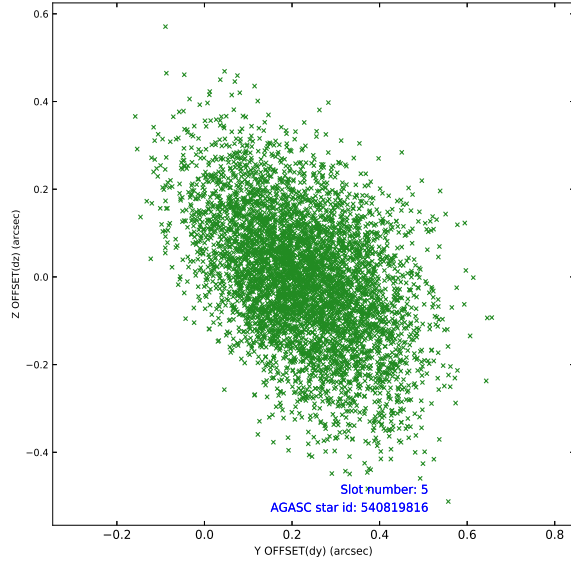
2.4.1 Slot 3



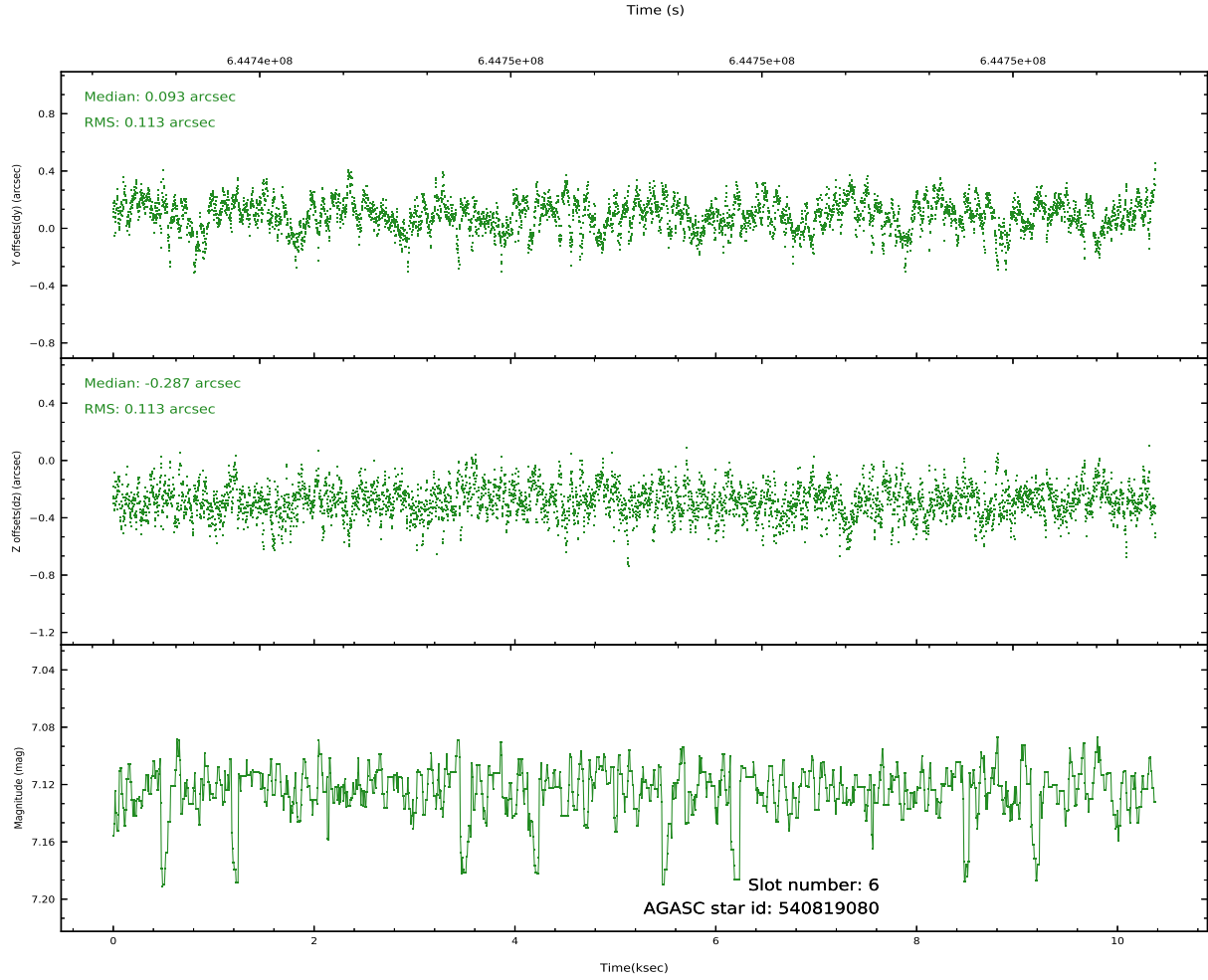
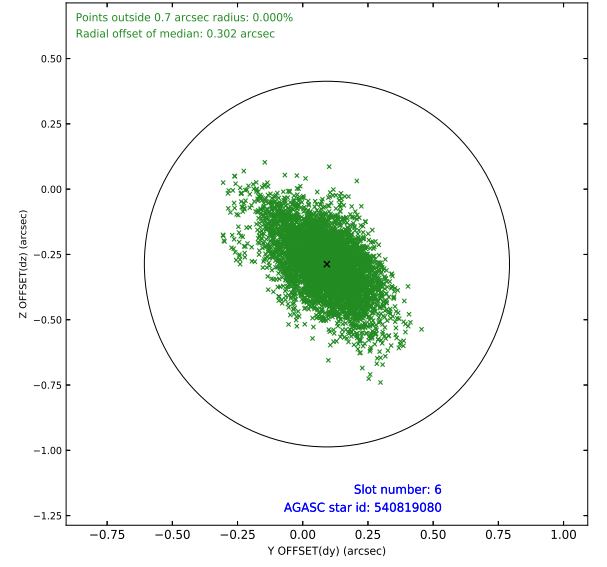
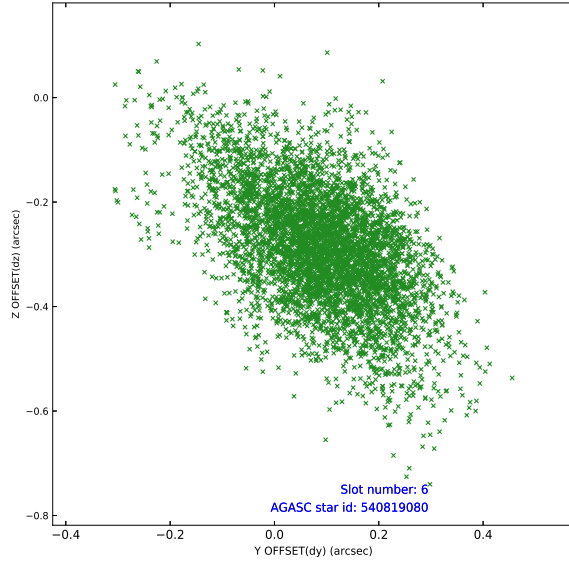
2.4.2 Slot 4



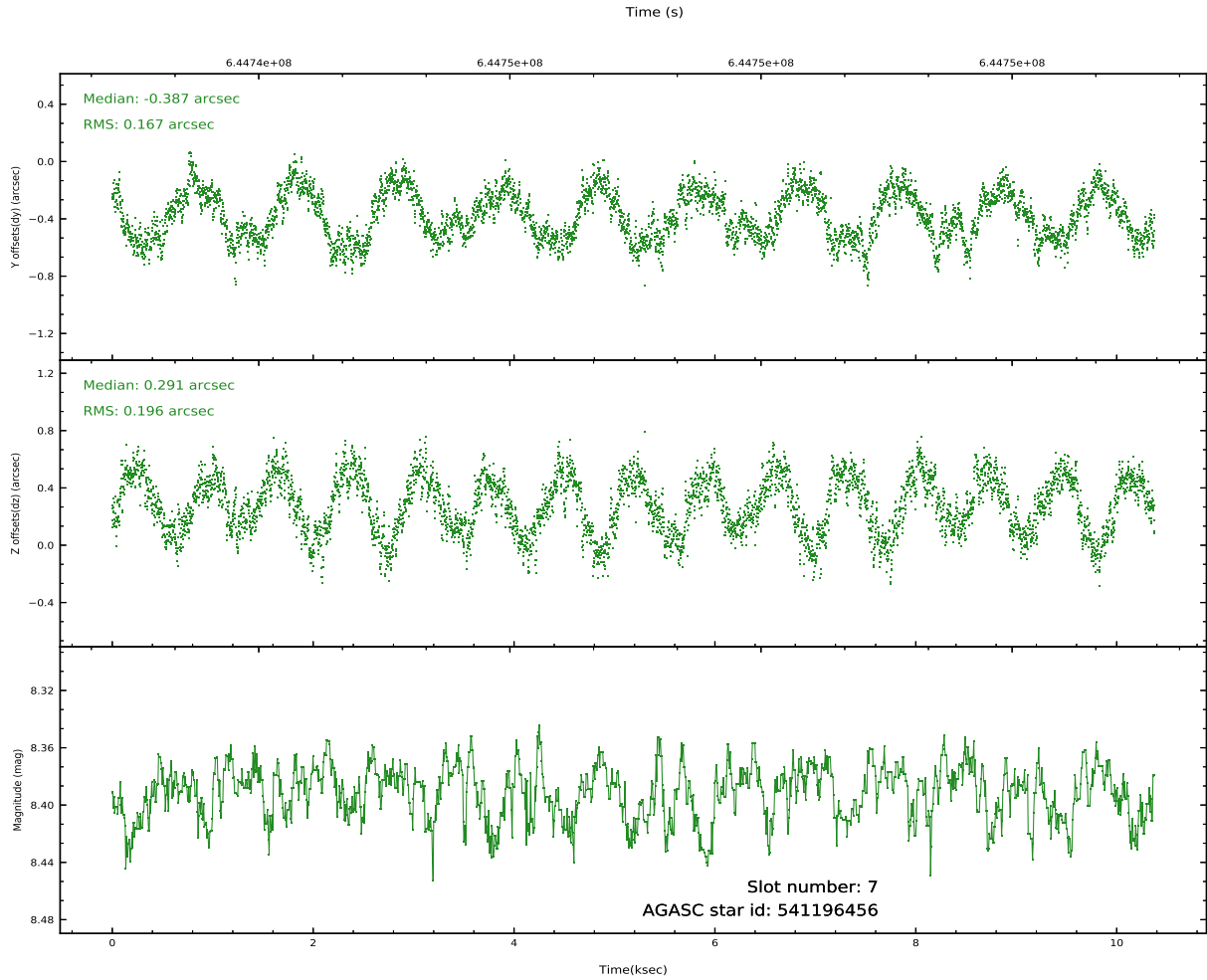
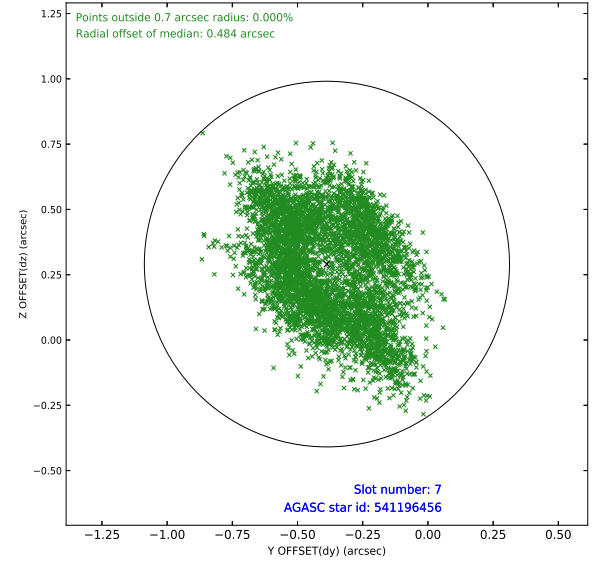
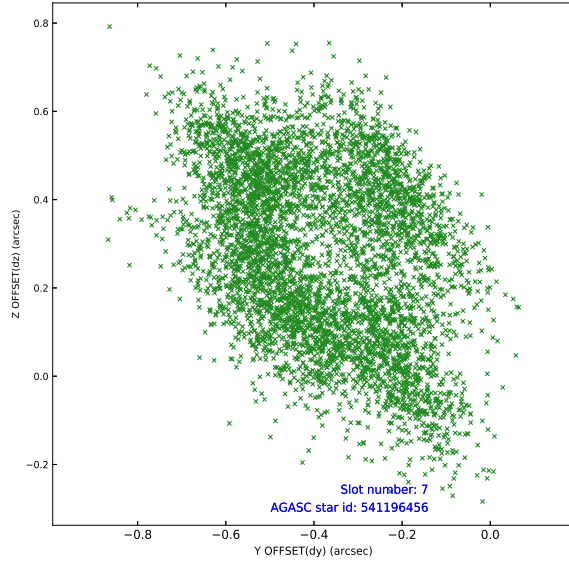
2.4.3 Slot 5



2.4.4 Slot 6

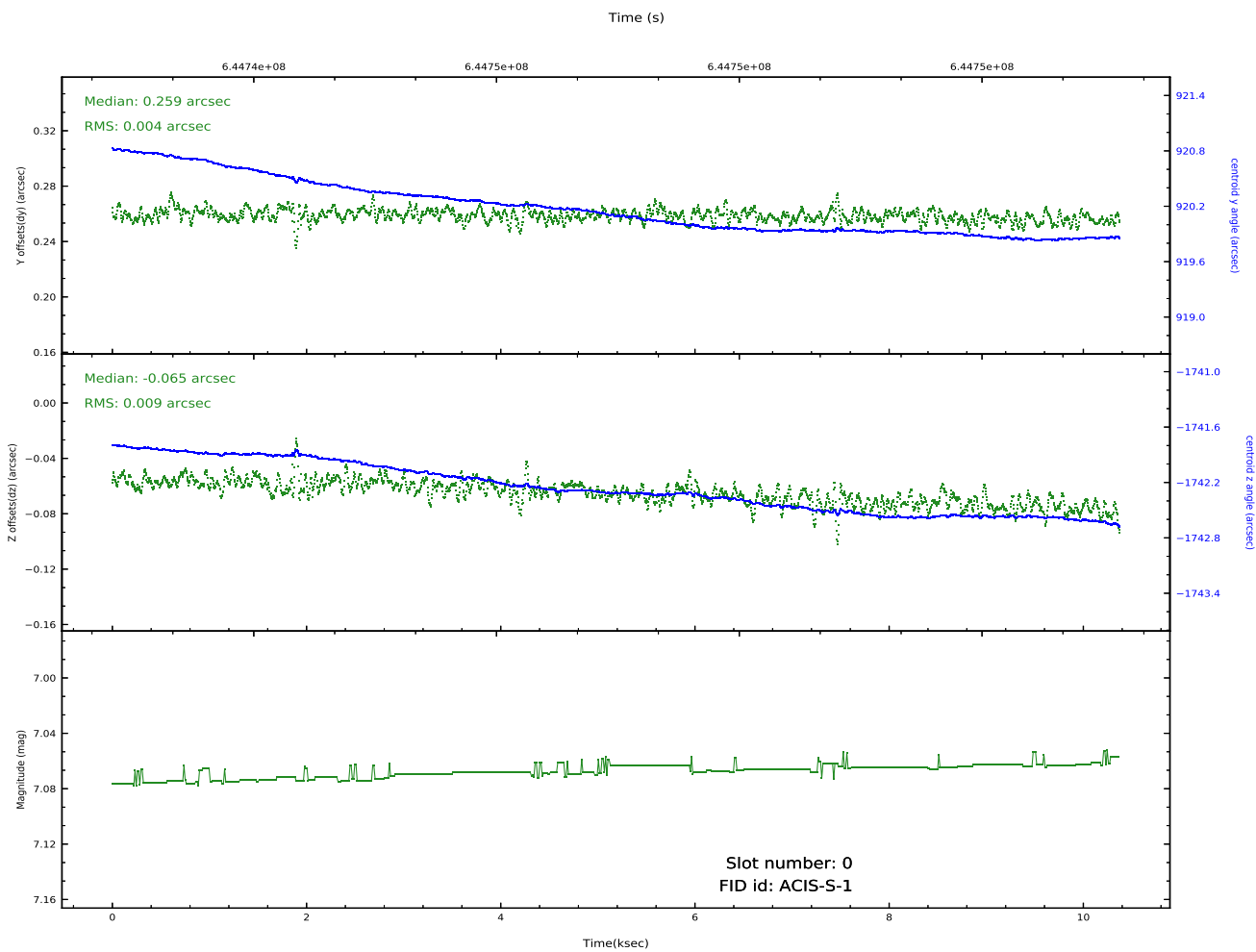
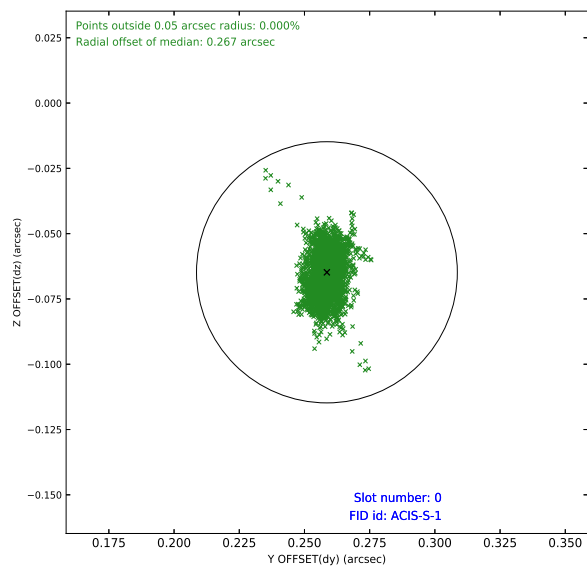
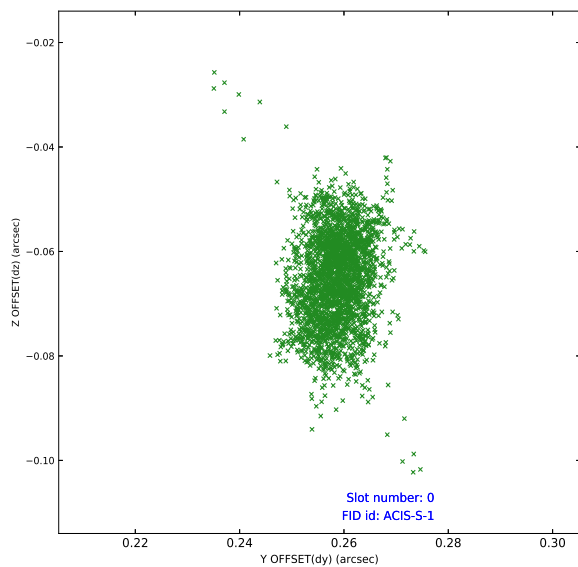


2.4.5 Slot 7

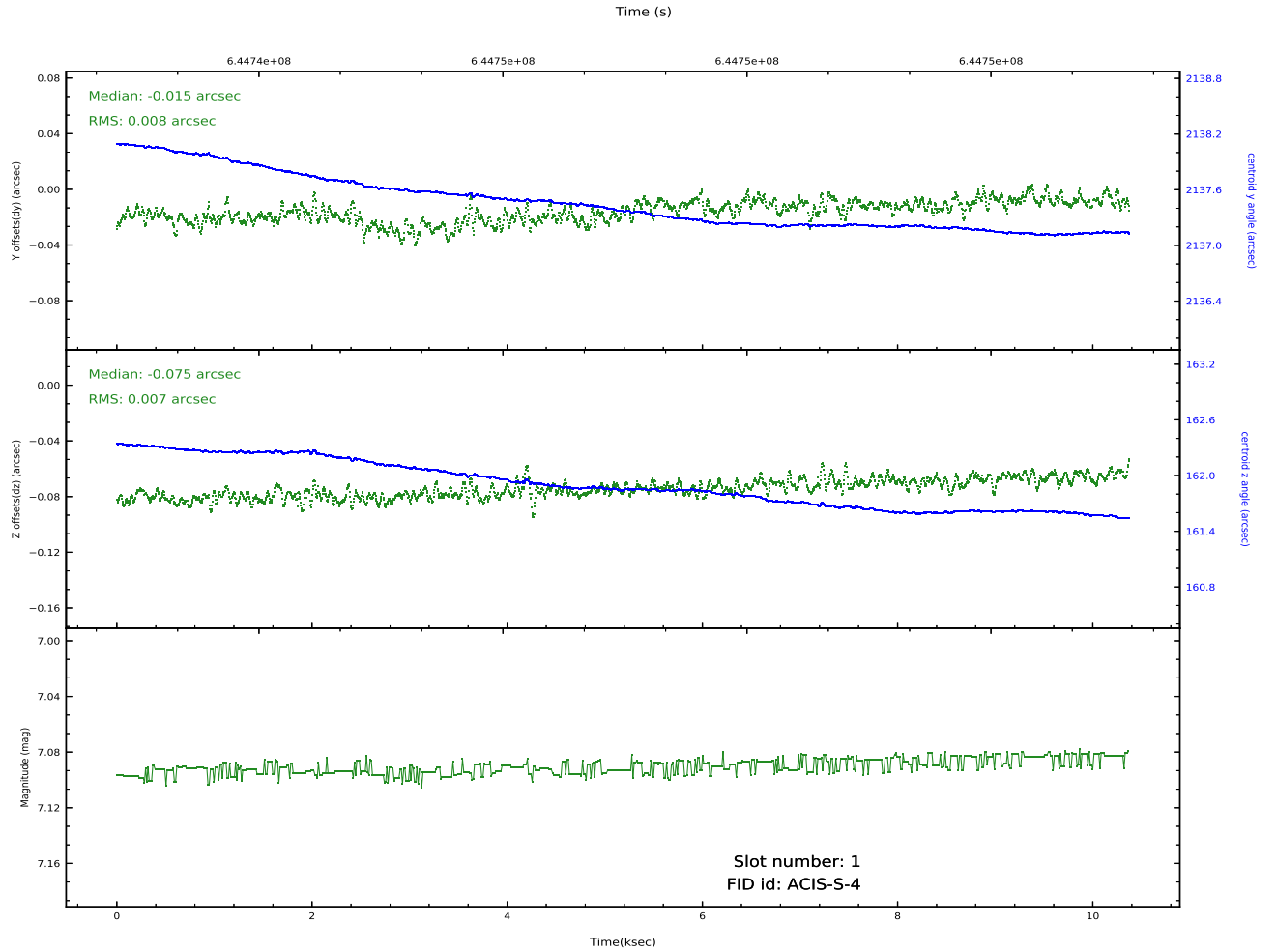
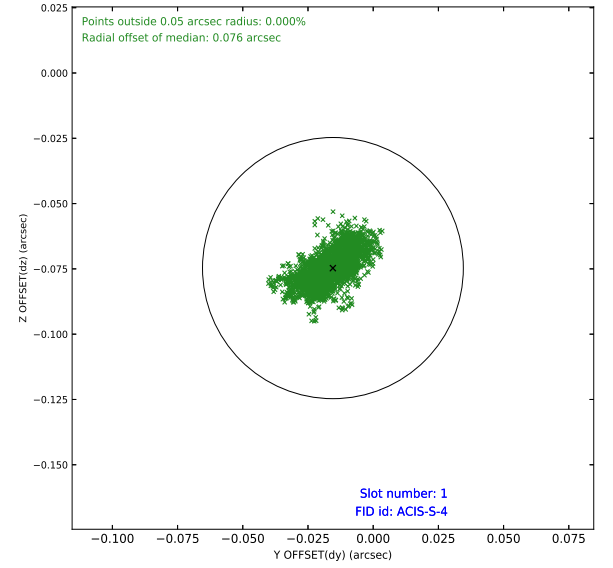
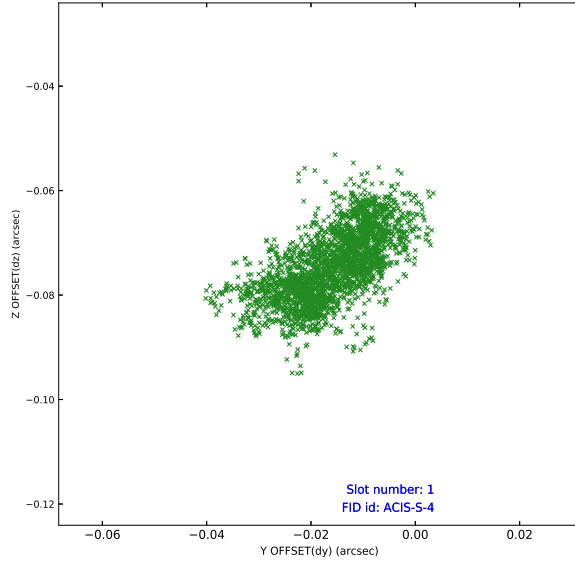


2.5 FID Slots

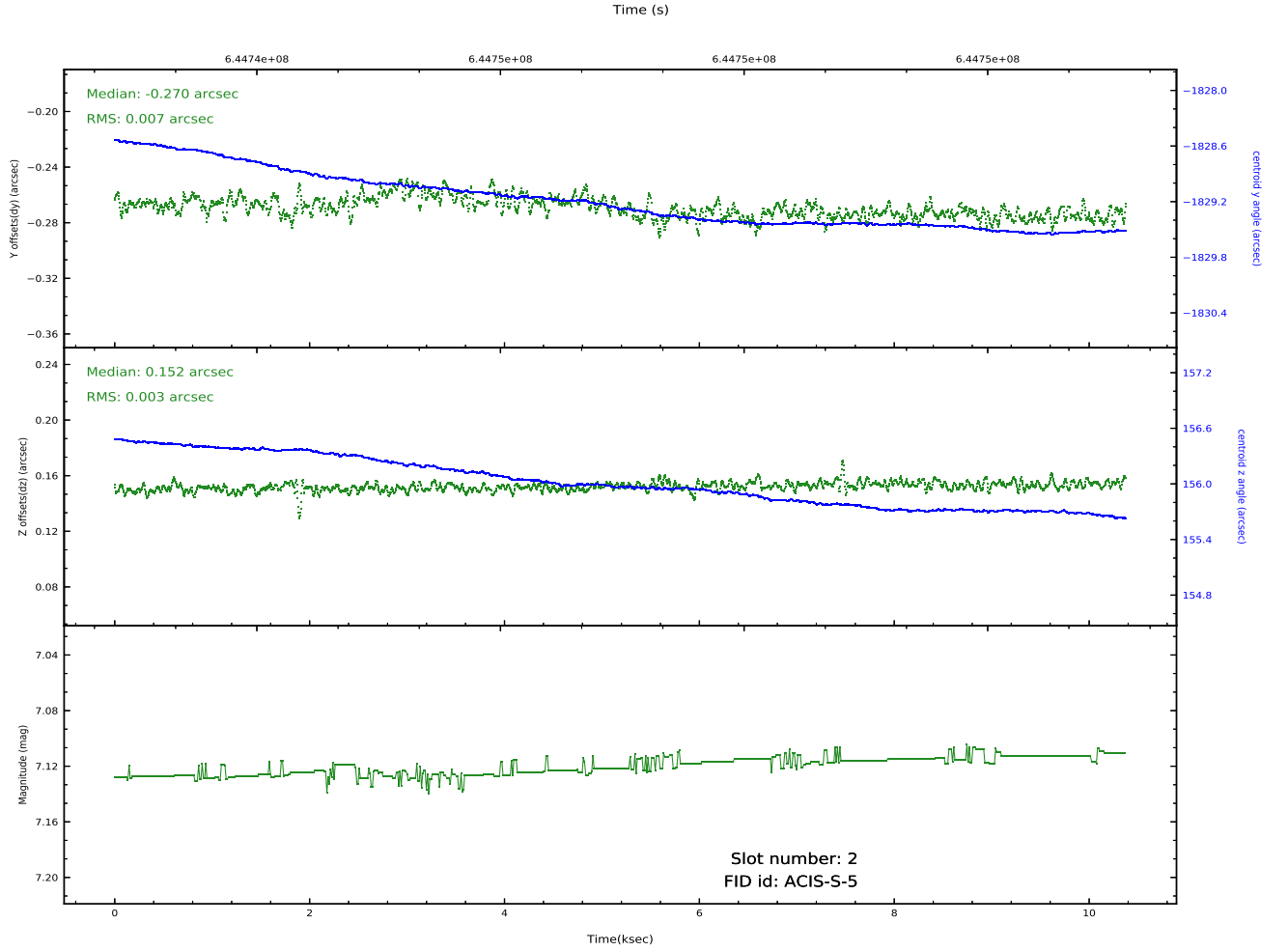
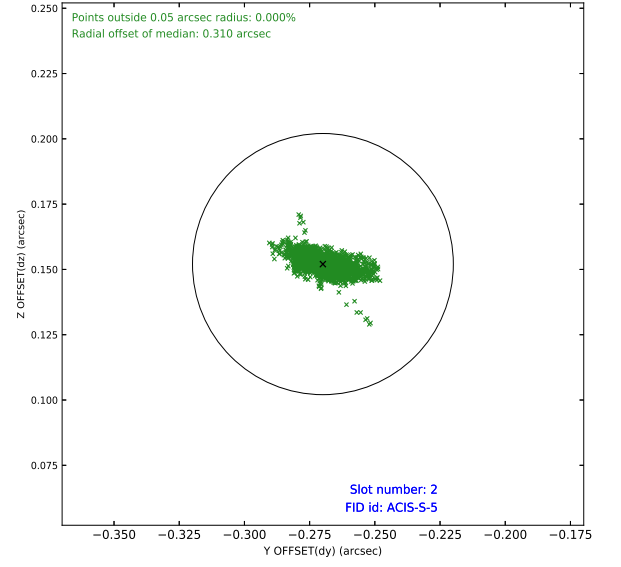
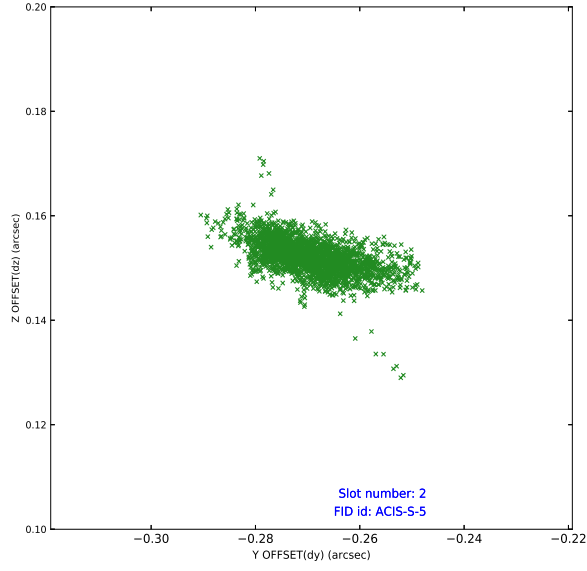
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.255199388742

A.2 Comments