

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6179 - L2 Version 4
Chandra X-Ray Center

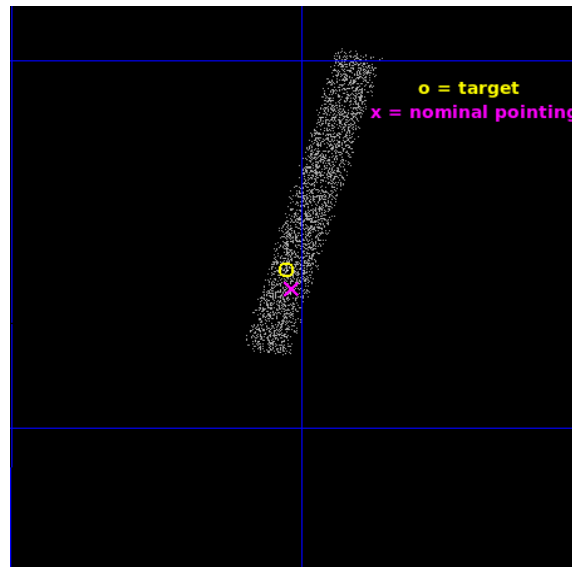
L2 Processing Date : Oct 5 2020

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1 Front

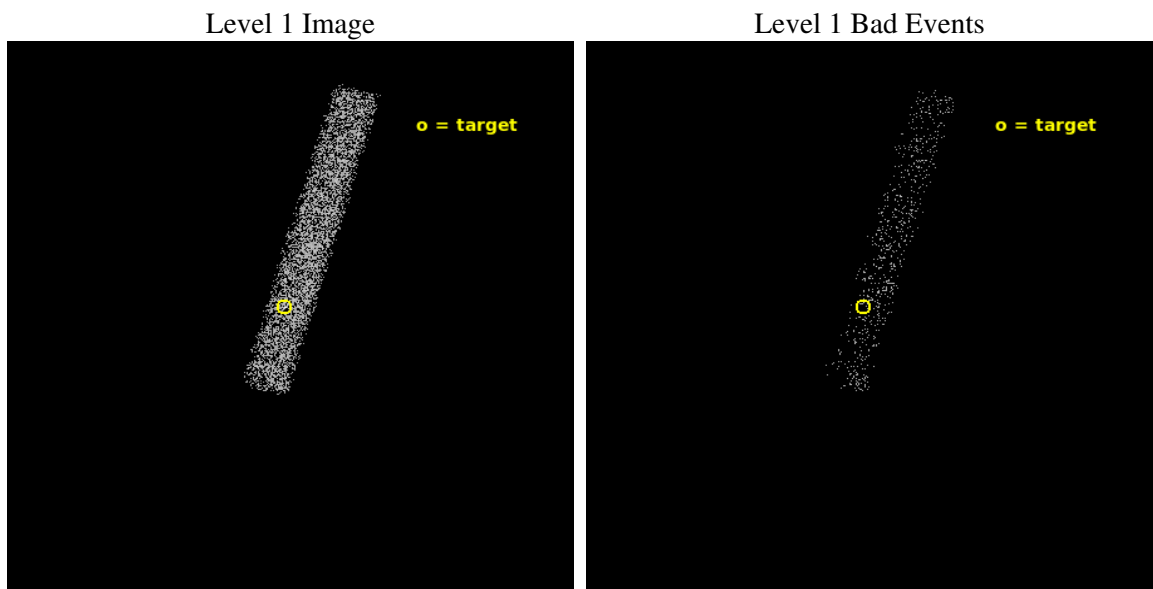
seq_num	400445	Sequence number
obs_id	6179	Observation id
title	Following the decay of the new accretion powered msec pulsar IGR J00291+5934	Proposal title
observer	Peter Jonker	Principal investigator
object	IGR J00291+5934	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	7.262917	Observer's specified target RA [deg]
dec_targ	59.571944	Observer's specified target Dec [deg]
ra_nom	7.2585009361233	Nominal RA [deg]
dec_nom	59.56332658751	Nominal Dec [deg]
roll_nom	286.57904574489	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5185.2000772357	Sum of GTIs [s]
livetime	4702.7027727514	Livetime [s]
ontime7	5185.2000772357	Sum of GTIs [s]
l2events	3305	Number of level 2 events



2 OBI

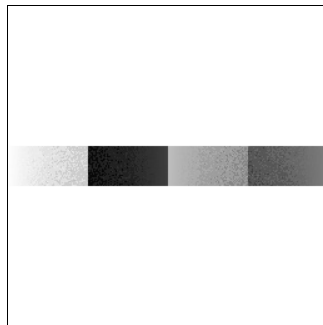
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5185.2000772357	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	5185.2000772357	Sum of GTIs [s]
date	2020-10-06T02:36:57	Date and time of file creation	l1events	8440	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

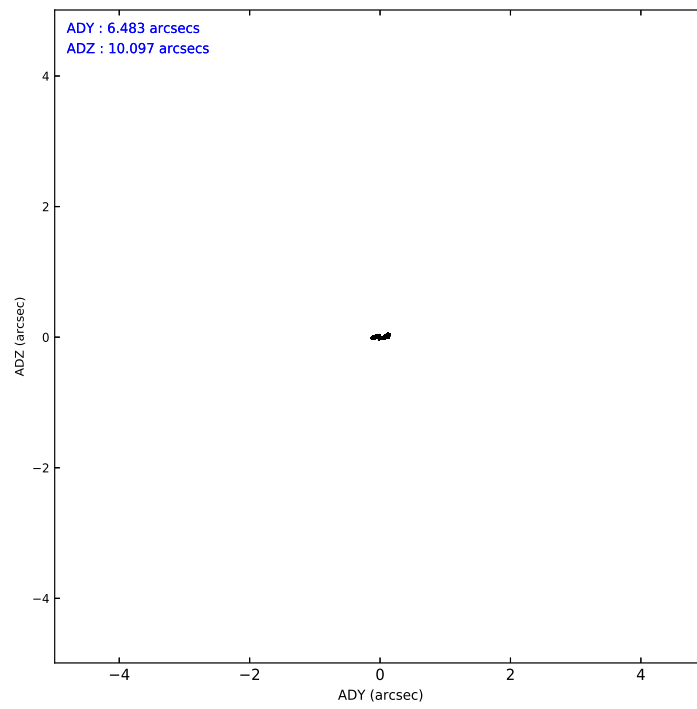
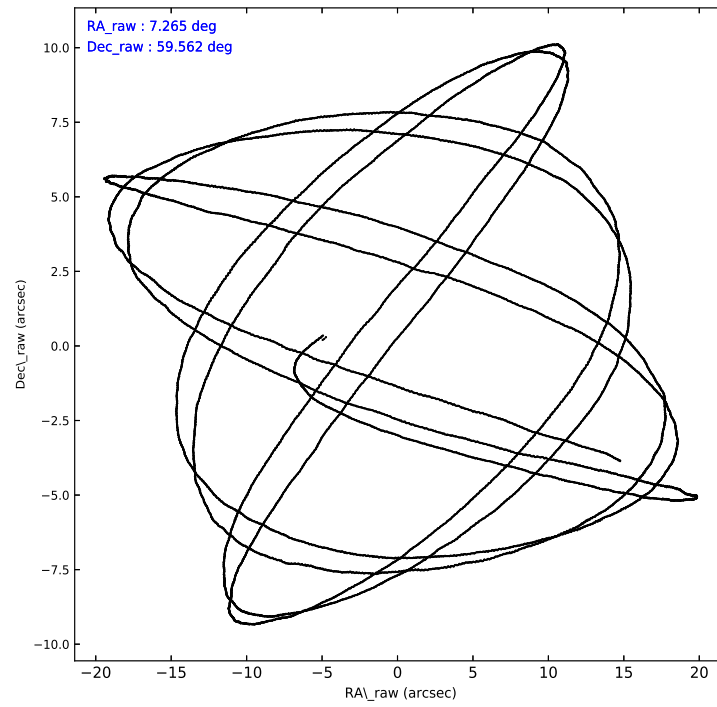
	ccd 7
level 1 events	8440
rejected events	4985
rejected %	59%

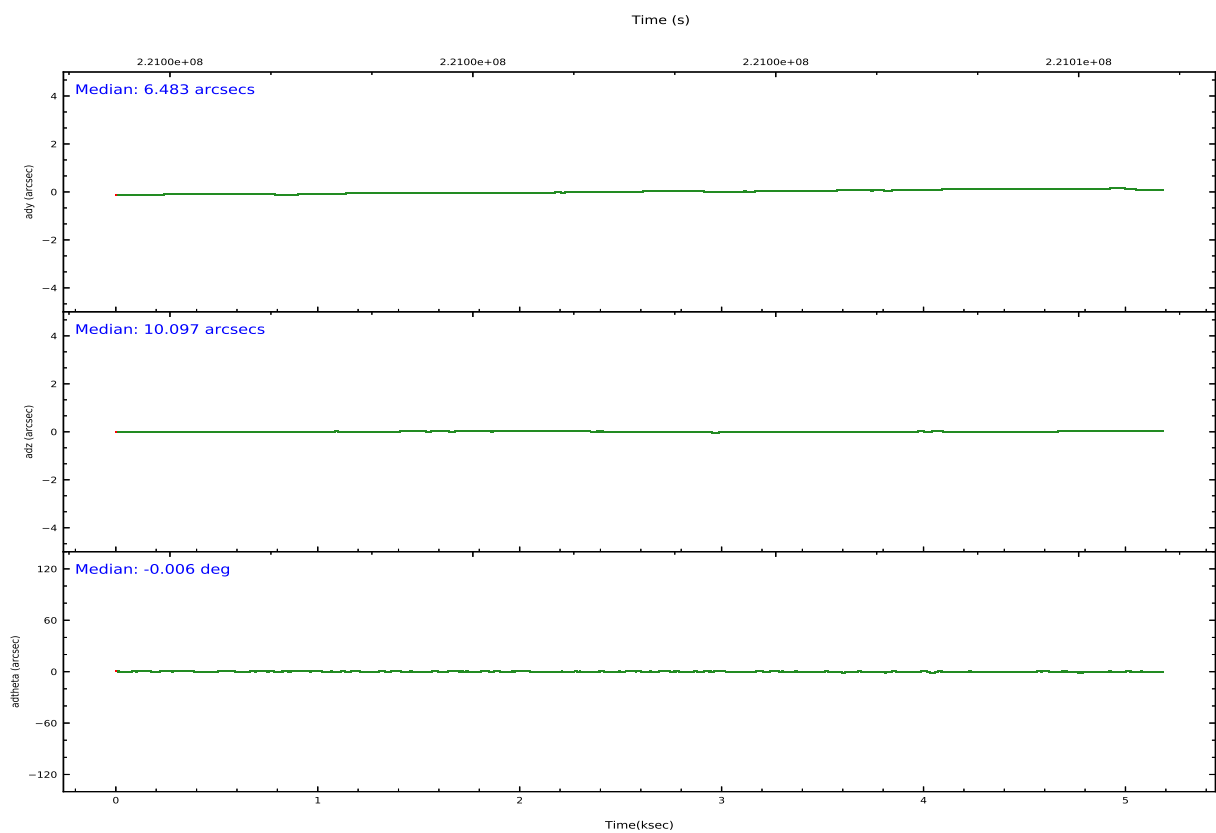
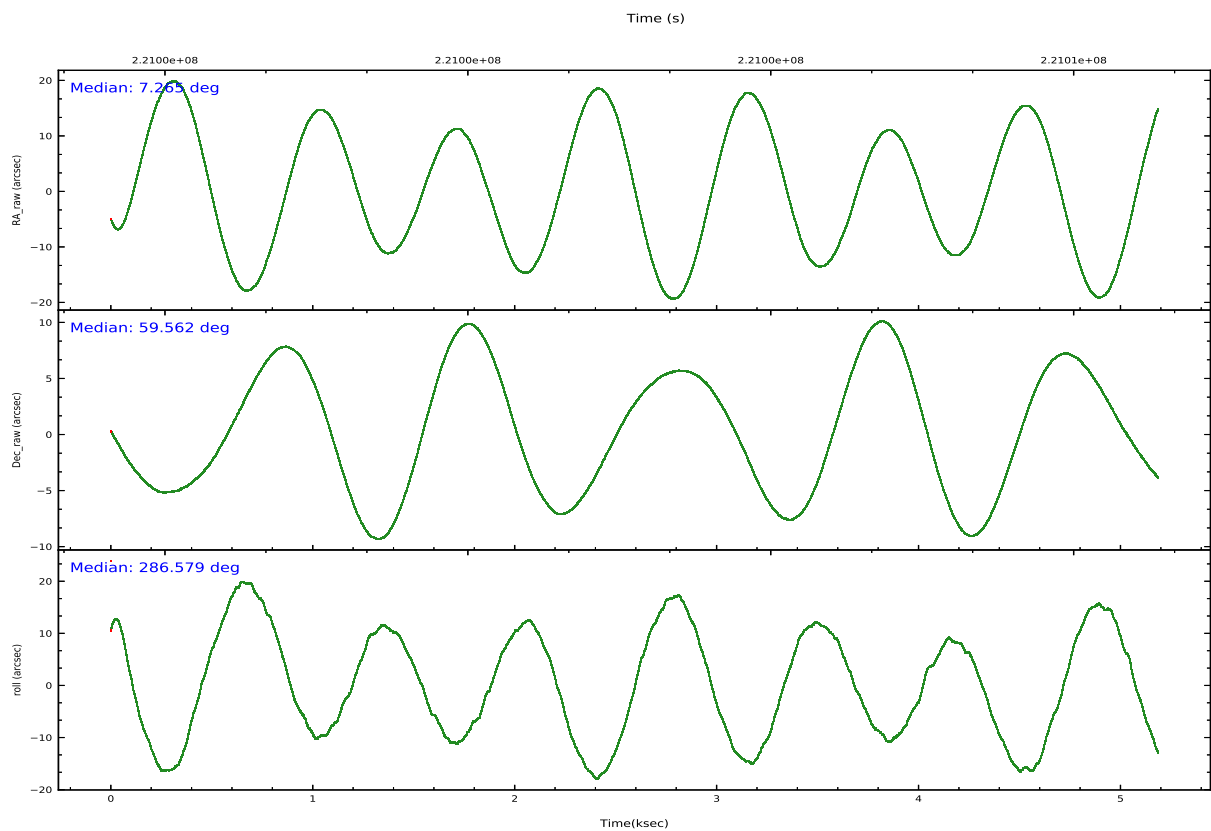
	ccd 7
grade 0 events	407
	4%
grade 1 events	8
	0%
grade 2 events	739
	8%
grade 3 events	496
	5%
grade 4 events	508
	6%
grade 5 events	764
	9%
grade 6 events	1843
	21%
grade 7 events	3675
	43%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	7.225511	7.2585009361233	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	59.580782	59.56332658751	Subarray start row	449	449
[deg] Pointing Roll	286.456441	286.57904574489	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)	221001918.184000	221000889.44043			
Observation start date	2005-01-01T21:24:14	2005-01-01T21:08:09			
[s] Observation end time (MET)	221006918.184000	221007858.41575			
Observation end date	2005-01-01T22:47:34	2005-01-01T23:04:18			
Read mode	TIMED	TIMED			

2.3 Aspect



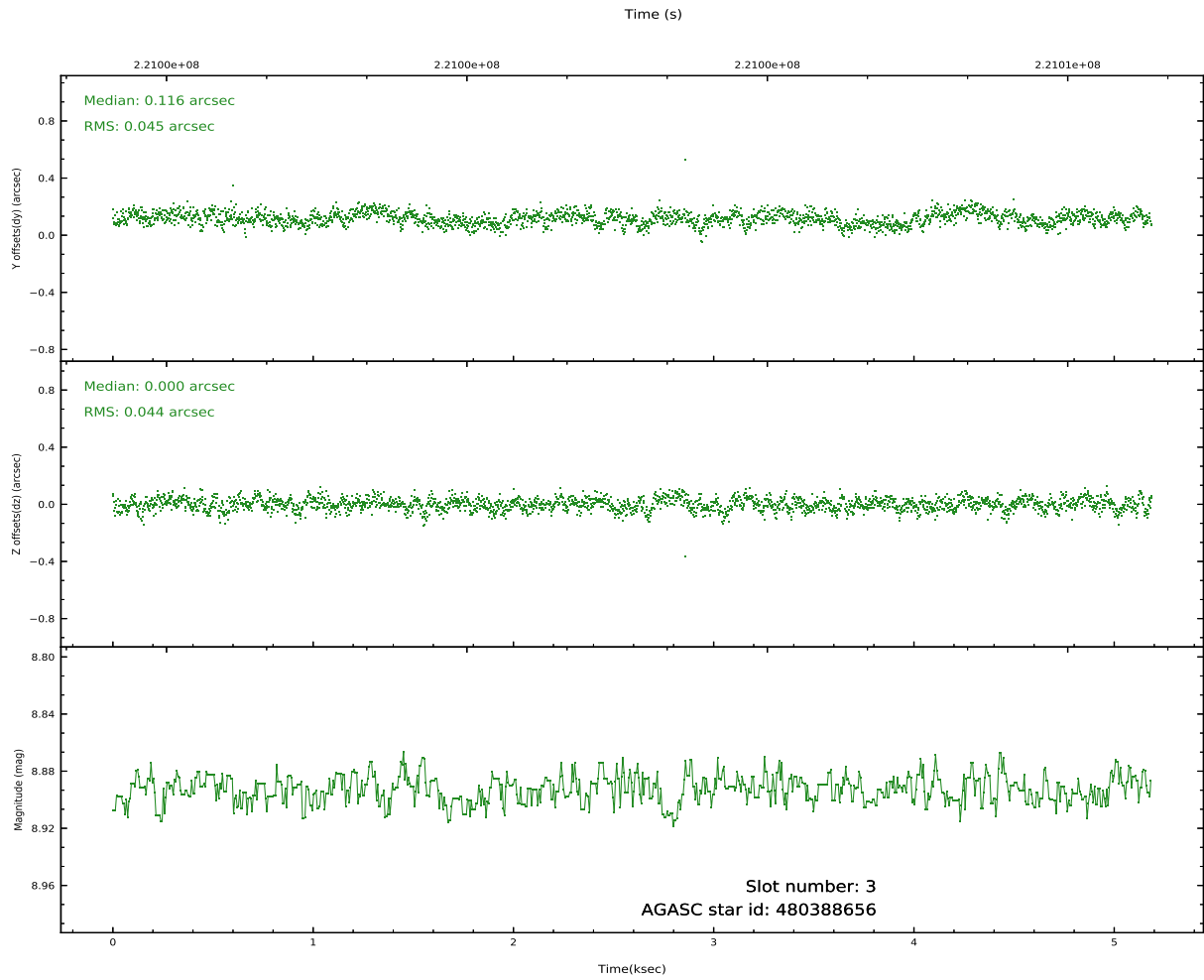
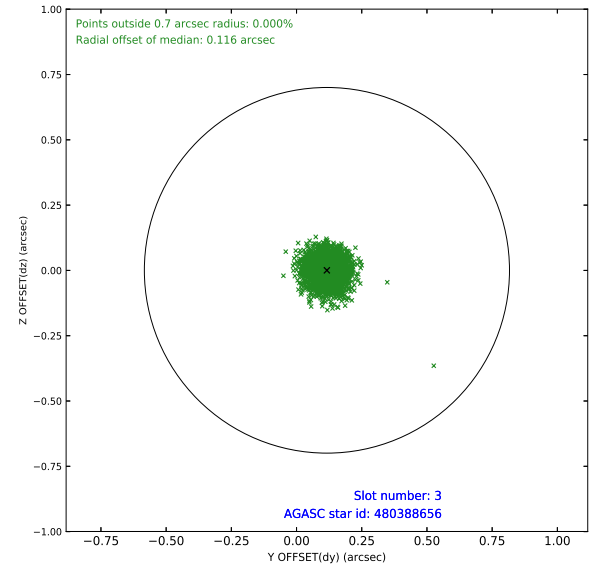
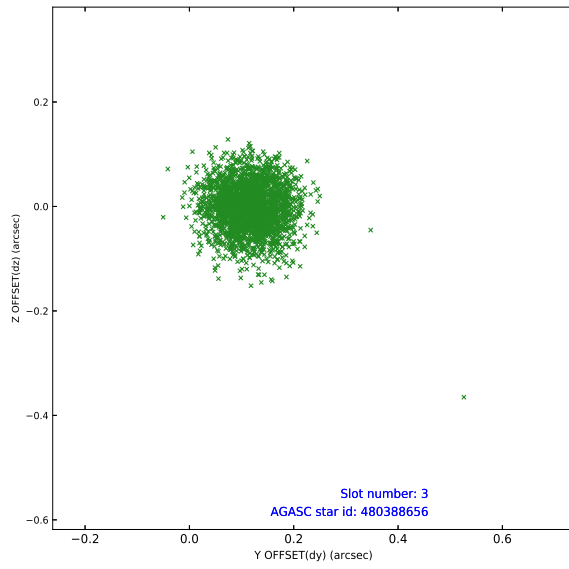


Slot Statistics

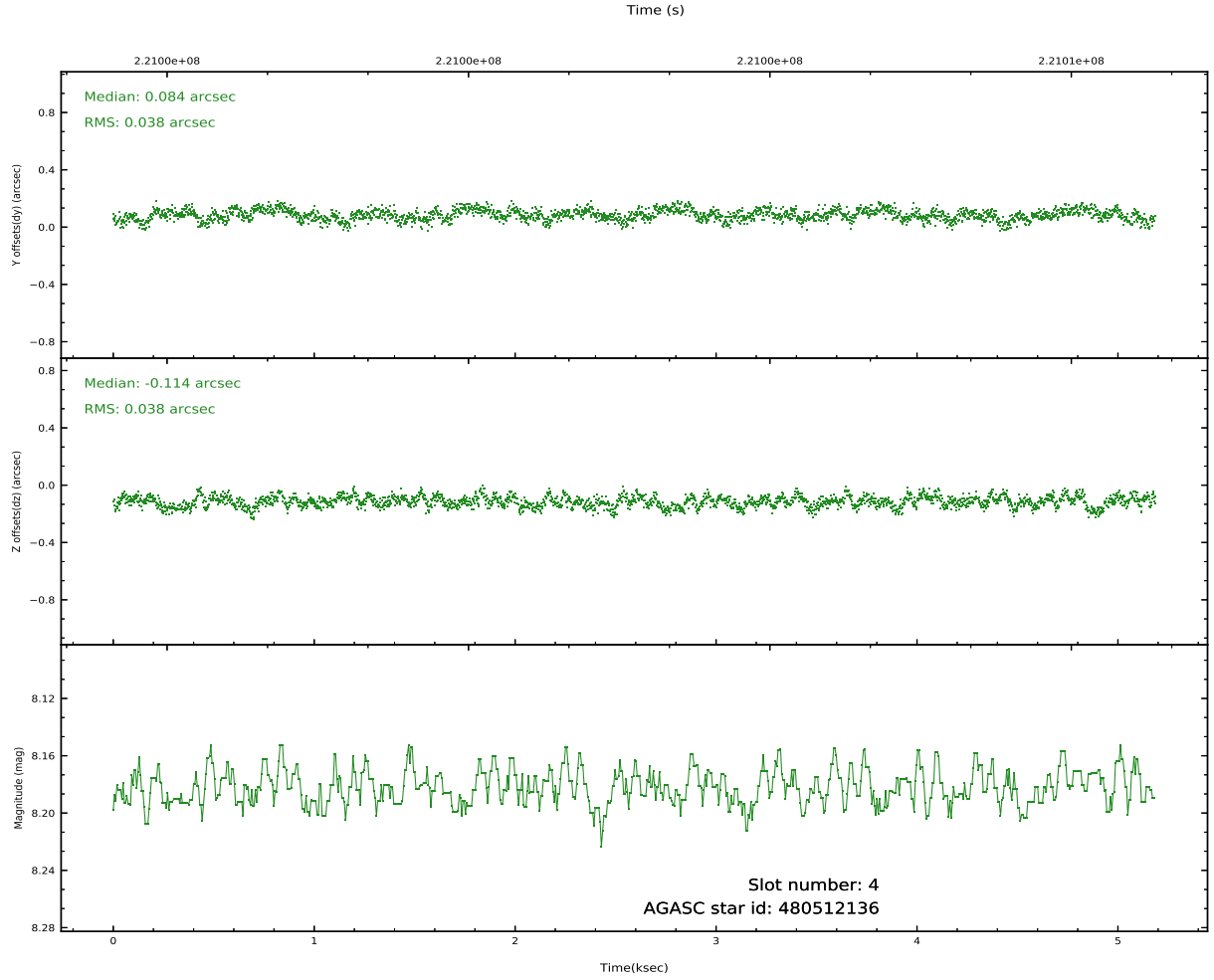
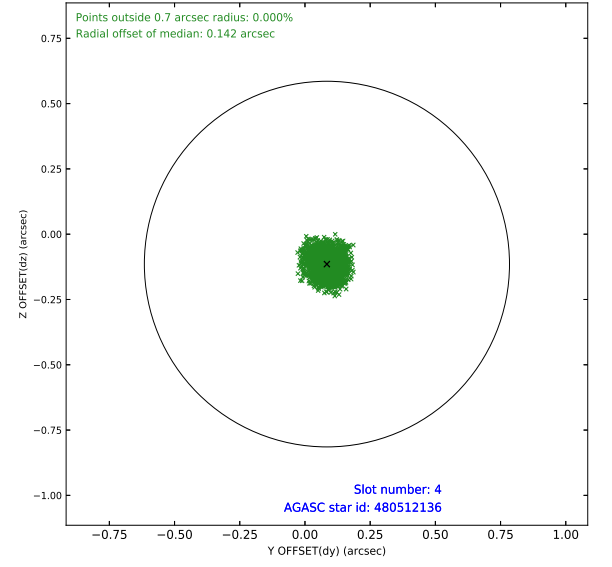
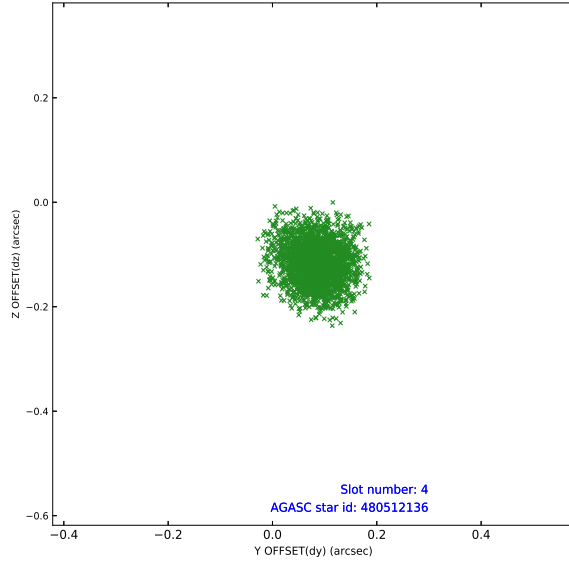
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1266	1.000	-0.092	-0.056	0.007	0.011	0.000000	0.000000	-759.26	-1731
1	FID		ACIS-S-4	7.20	1266	1.000	0.153	0.060	0.005	0.009	0.000000	0.000000	2153.67	176
2	FID		ACIS-S-5	7.23	1266	1.000	-0.092	0.006	0.006	0.011	0.000000	0.000000	-1810.66	170
3	GUIDE	used	480388656	8.89	2531	1.000	0.116	0.000	0.067	0.106	6.593066	59.181927	1041.83	-1523
4	GUIDE	used	480512136	8.18	2531	1.000	0.084	-0.114	0.058	0.093	7.475231	59.254866	1255.64	108
5	GUIDE	used	480513376	8.58	2529	1.000	0.069	-0.060	0.072	0.115	7.508901	59.105688	1788.55	18
6	GUIDE	used	526278336	9.22	2527	1.000	-0.095	0.127	0.076	0.122	7.887747	60.072116	-1364.45	1643
7	GUIDE	used	526276608	8.60	2530	1.000	-0.180	0.050	0.086	0.133	7.524994	60.151139	-1818.95	1097

2.4 Star Slots

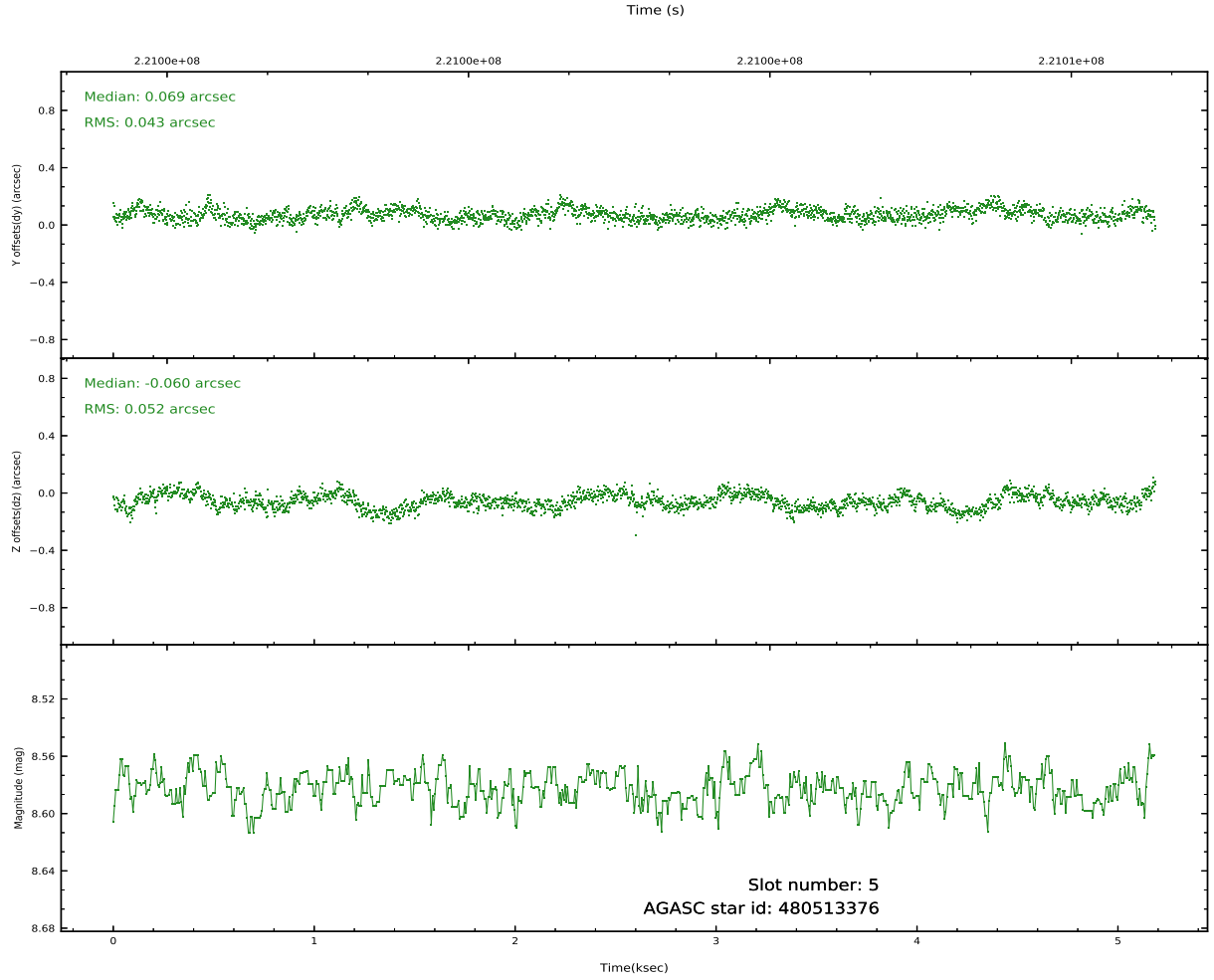
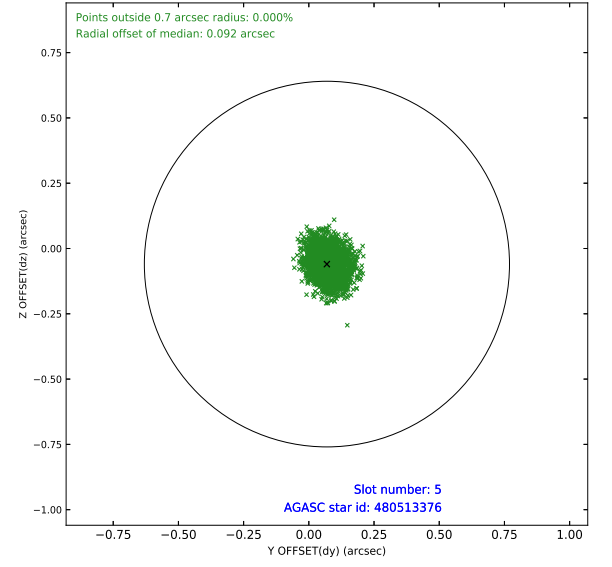
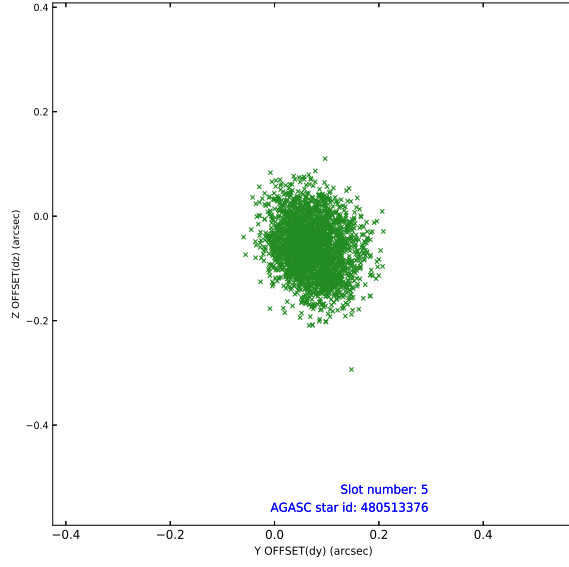
2.4.1 Slot 3



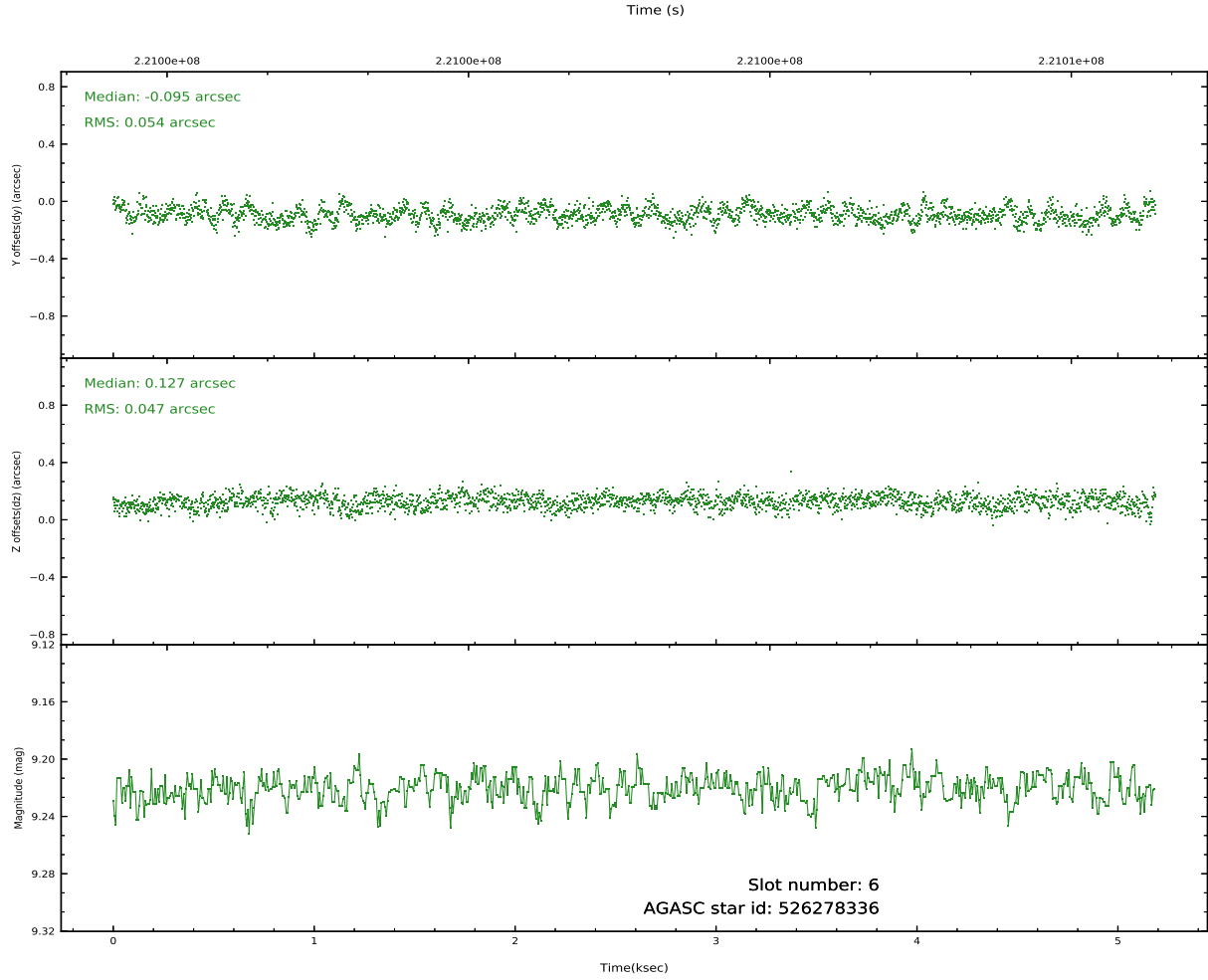
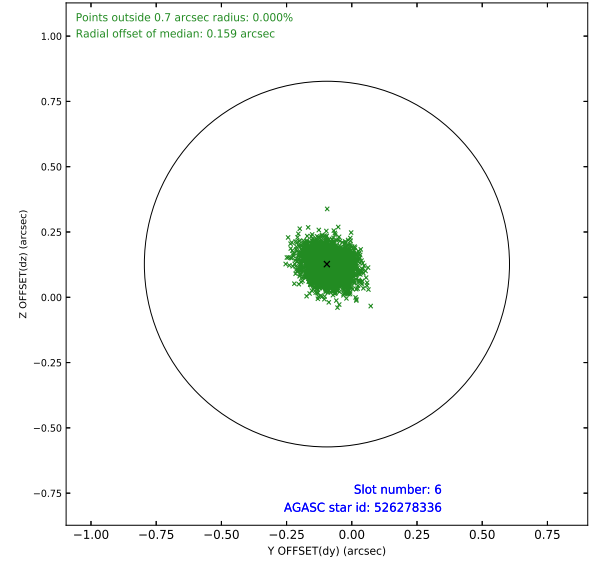
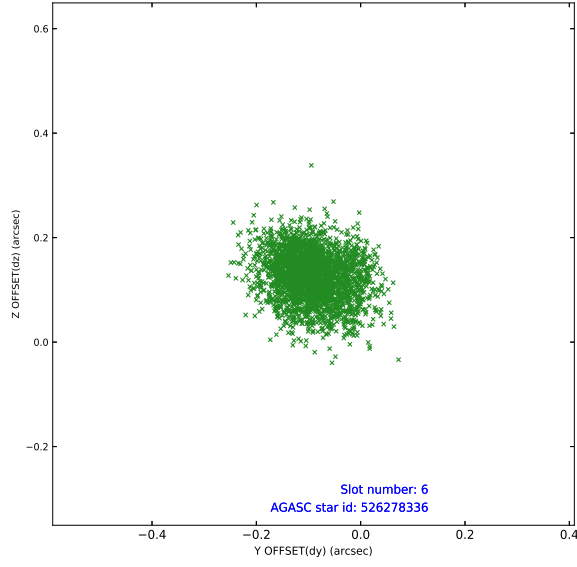
2.4.2 Slot 4



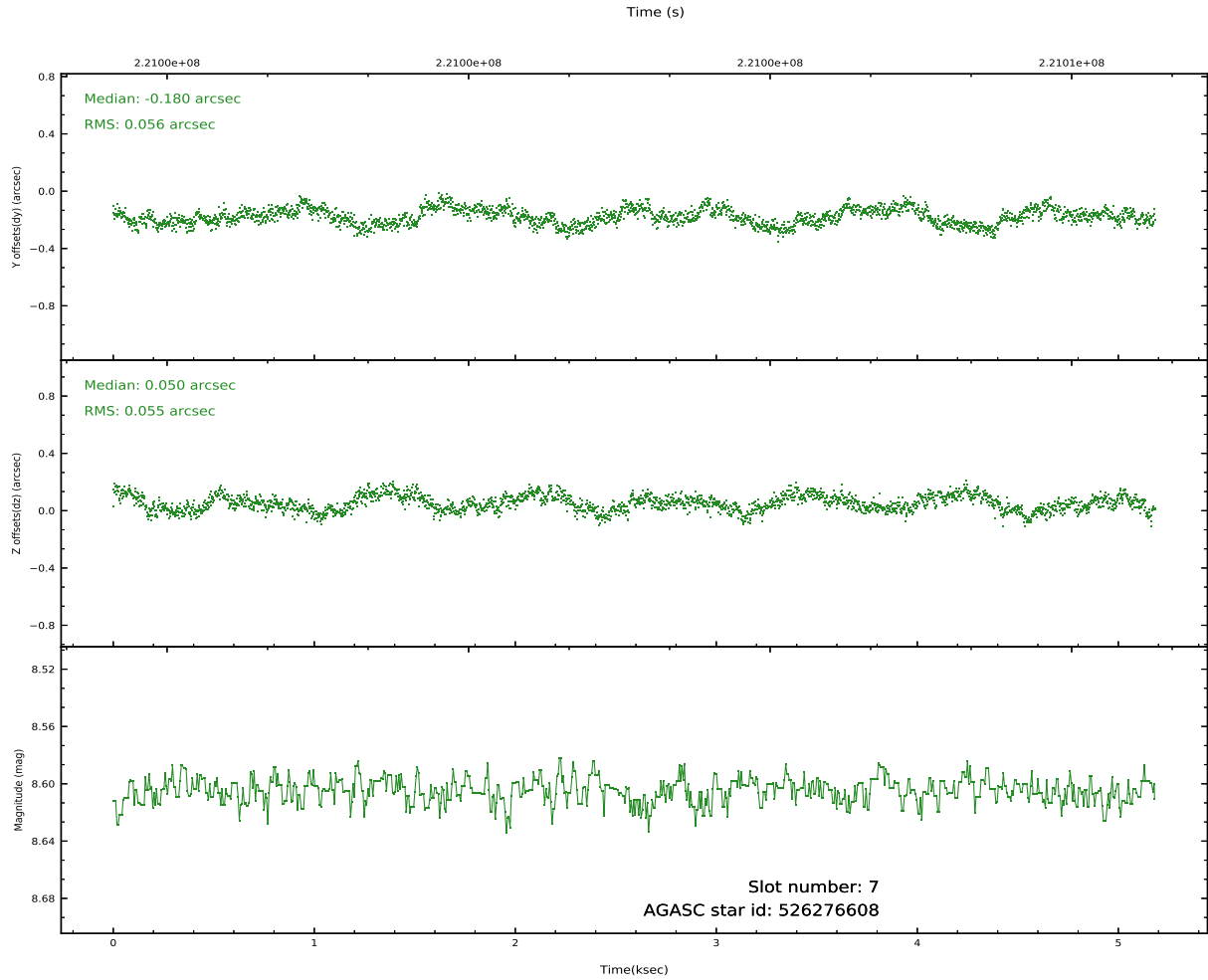
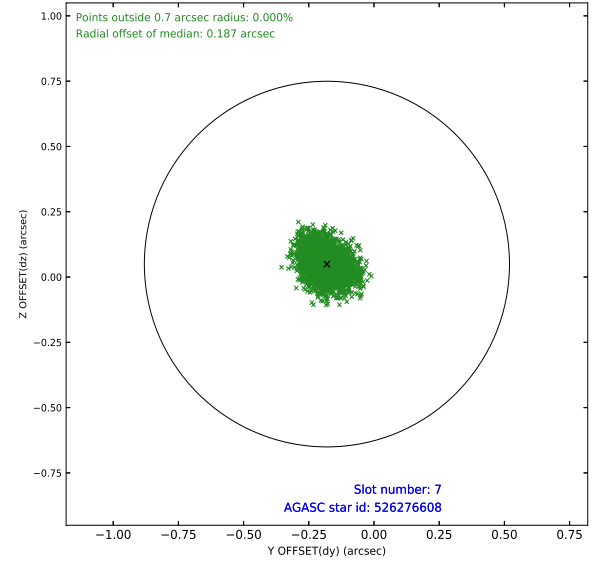
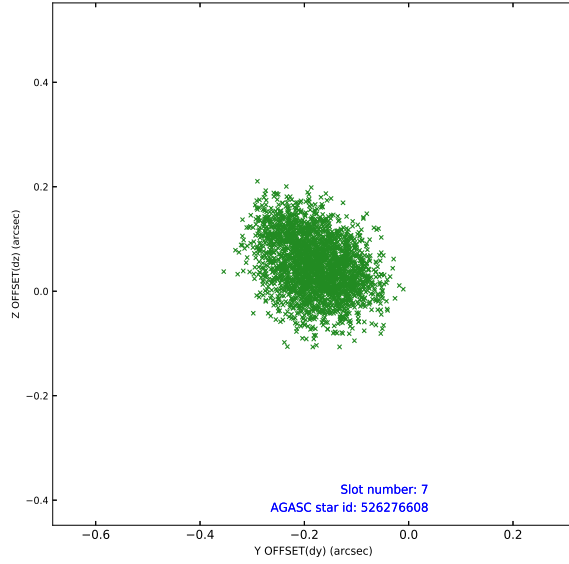
2.4.3 Slot 5



2.4.4 Slot 6

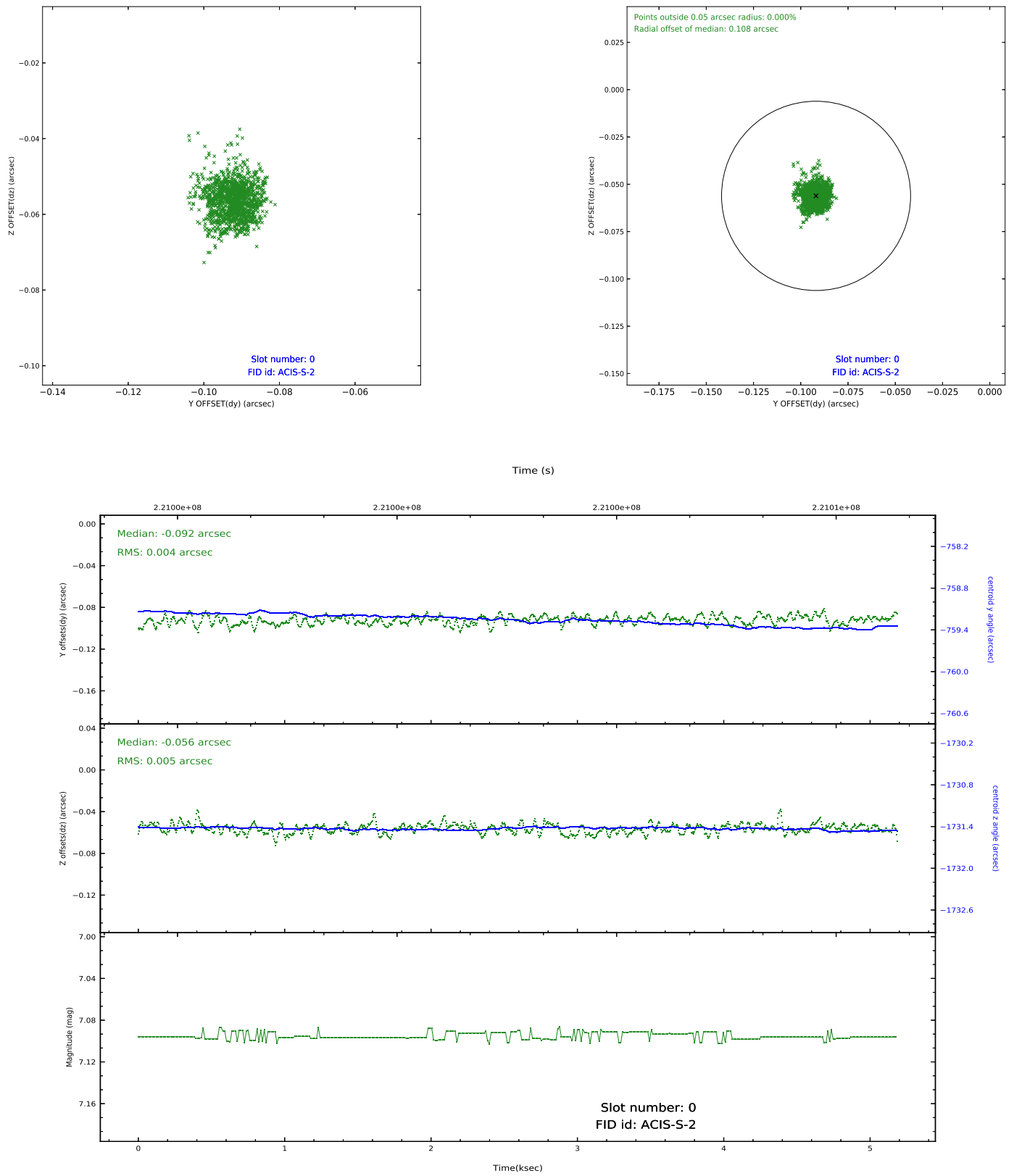


2.4.5 Slot 7

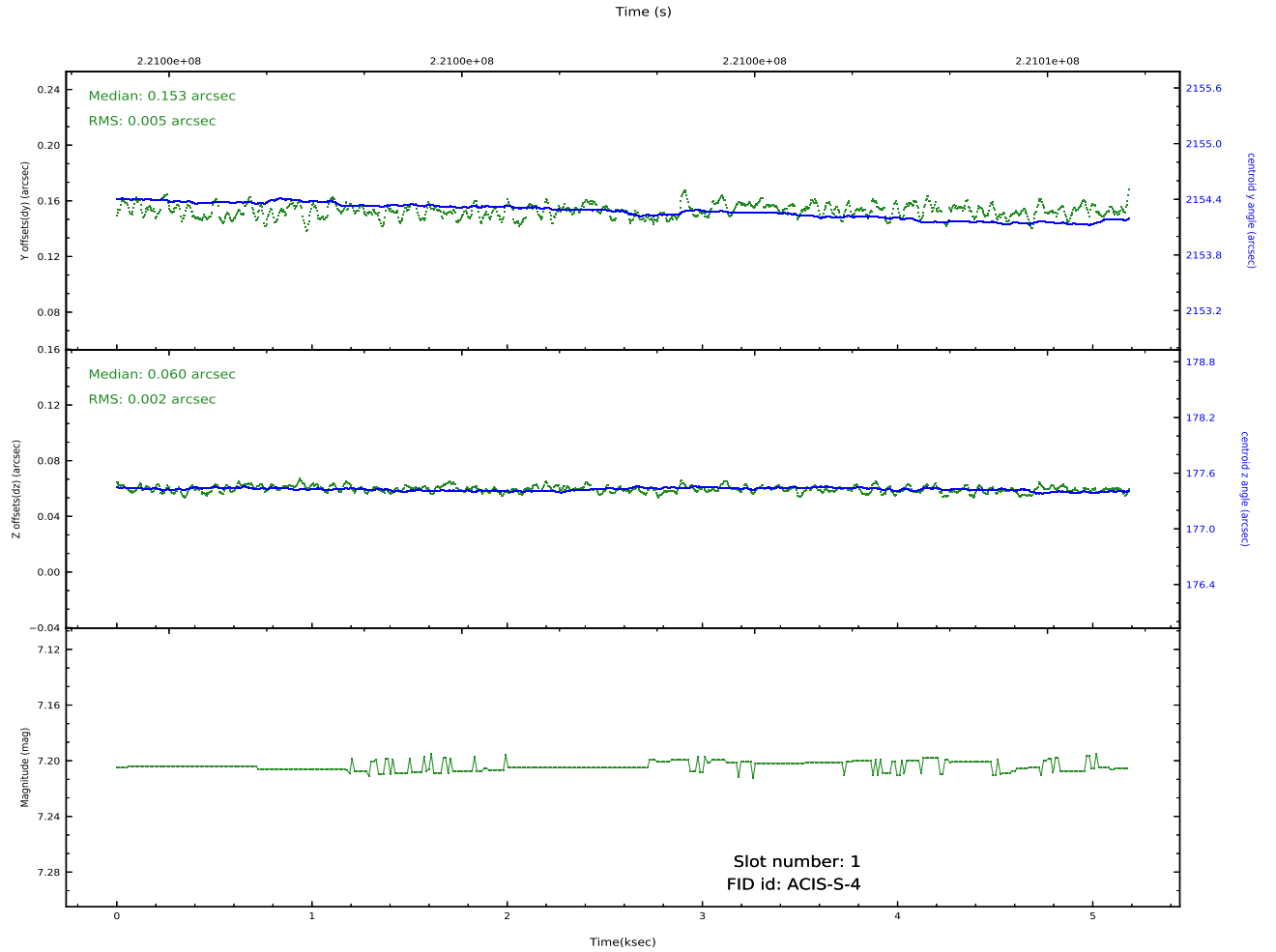
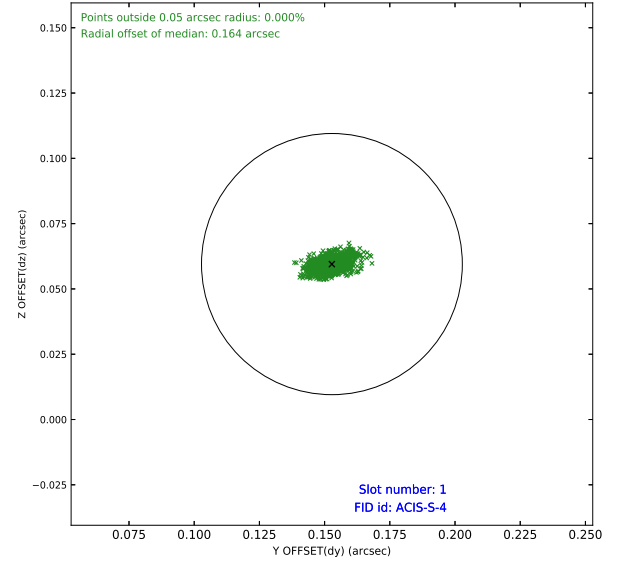
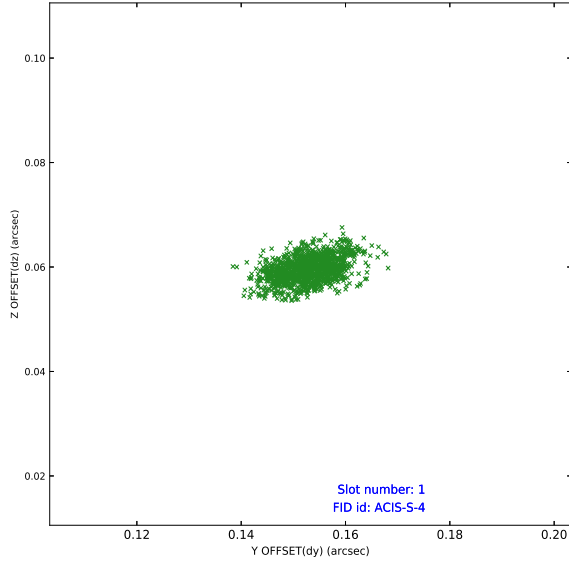


2.5 FID Slots

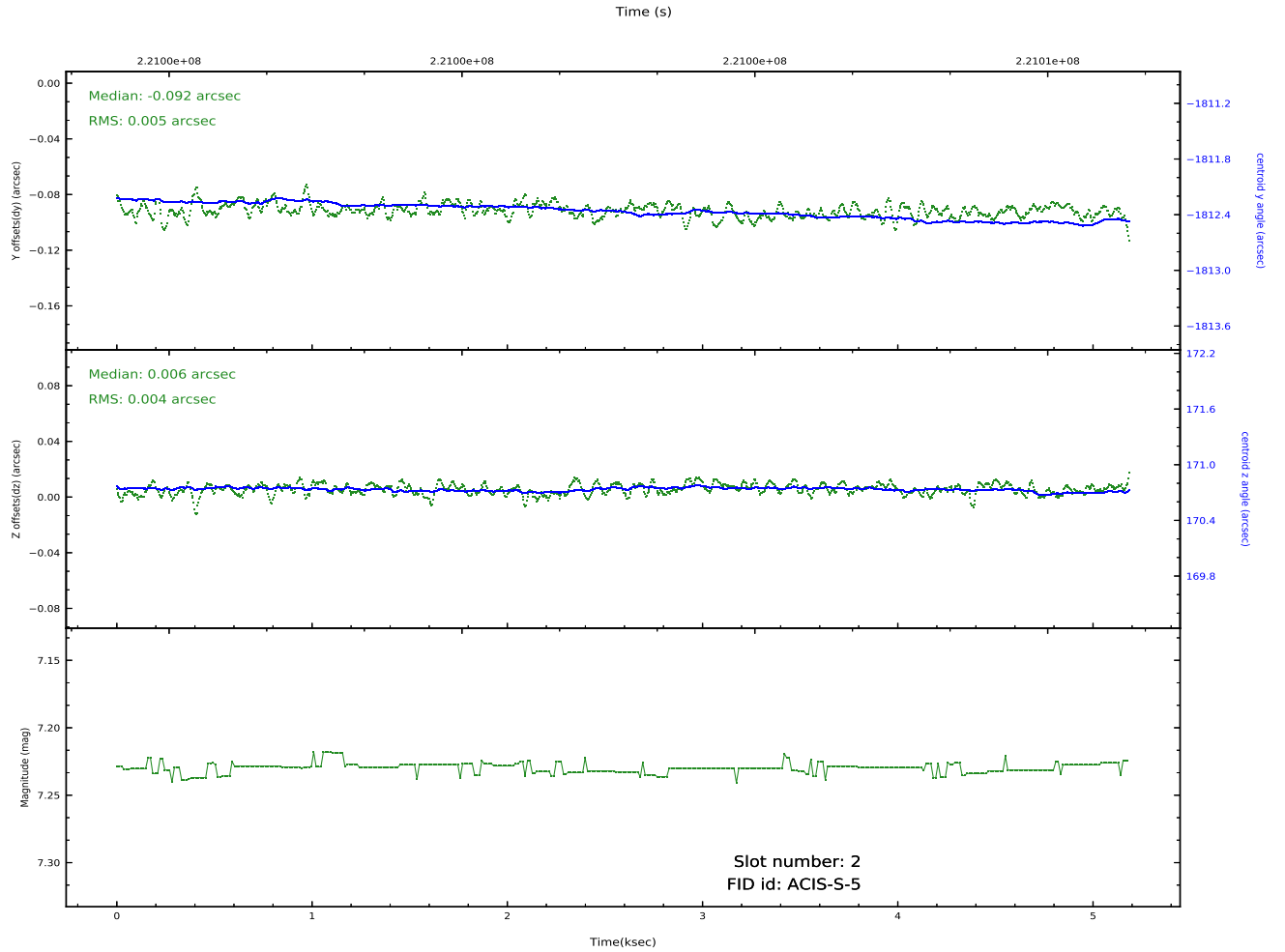
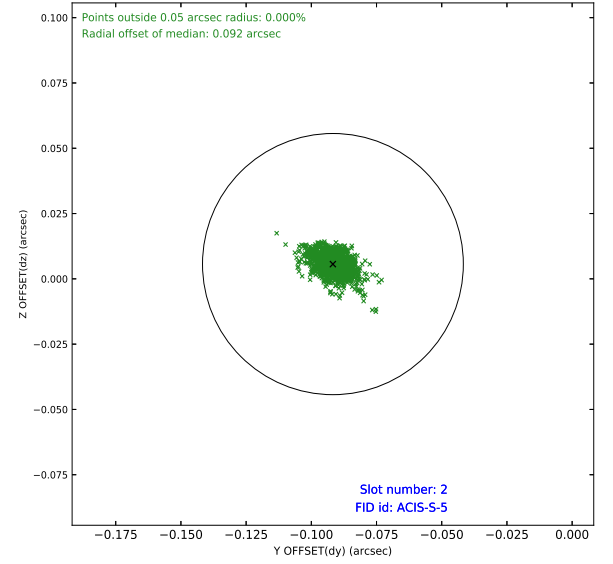
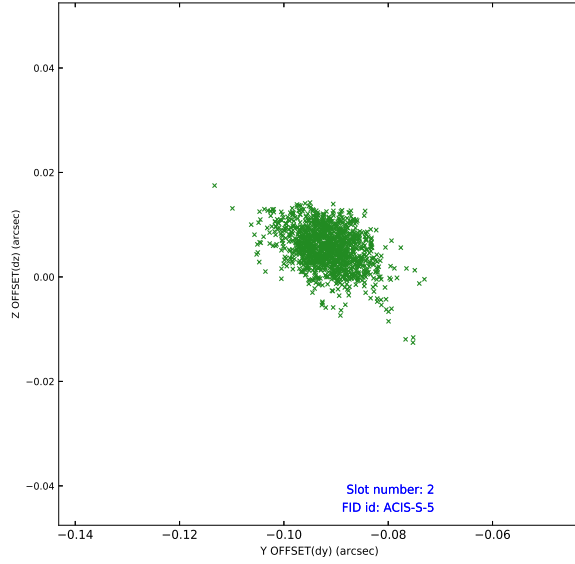
2.5.1 Slot 0



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)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1852

A.2 Comments