

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20199 - L2 Version 2
Chandra X-Ray Center

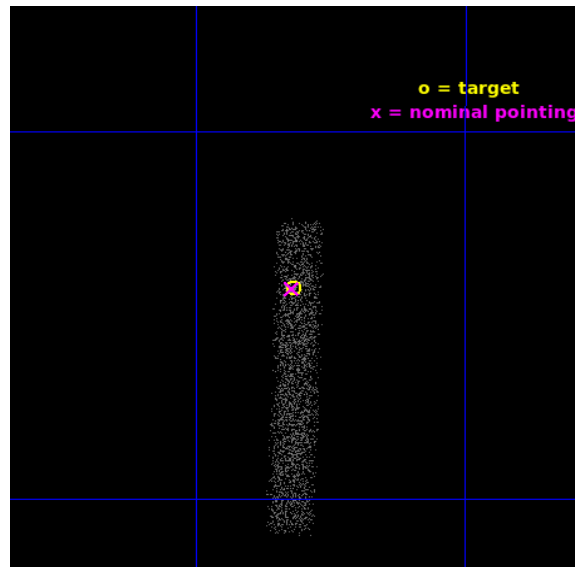
L2 Processing Date : Oct 25 2020

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1 Front

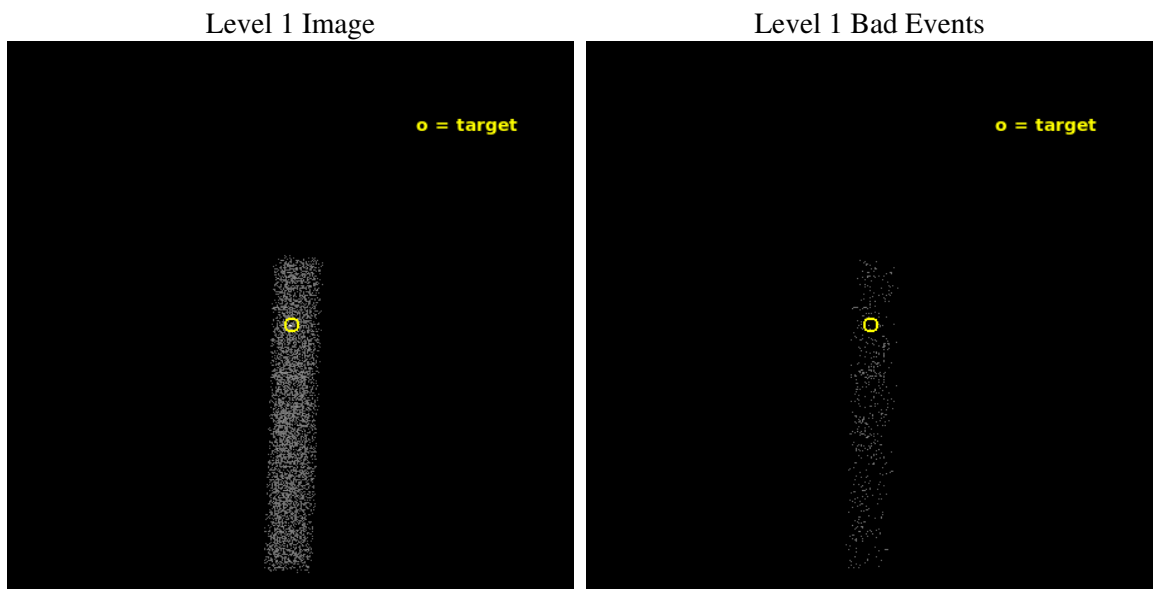
seq_num	401926	Sequence number
obs_id	20199	Observation id
title	The Nature of INTEGRAL Sources in the Galactic Plane	Proposal titl
observer	John Tomsick	Principal investigator
object	IGR J17528-2022	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.204583	Observer's specified target RA [deg]
dec_targ	-20.404111	Observer's specified target Dec [deg]
ra_nom	268.20543877178	Nominal RA [deg]
dec_nom	-20.404613058409	Nominal Dec [deg]
roll_nom	91.815315890412	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5069.5996977091	Sum of GTIs [s]
livetime	4597.8593304091	Livetime [s]
ontime7	5069.5996977091	Sum of GTIs [s]
l2events	3432	Number of level 2 events



2 OBI

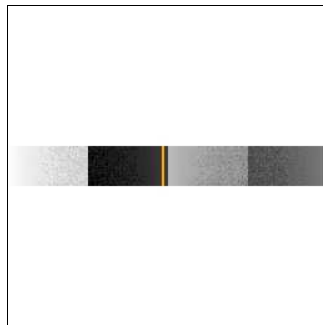
2.1 OBI

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	10.9.2	Processing system revision	ontime	5069.5996977091	Sum of GTIs [s]
caldbver	4.9.3	 	ontime7	5069.5996977091	Sum of GTIs [s]
date	2020-10-25T15:51:14	Date and time of file creation	l1events	6973	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

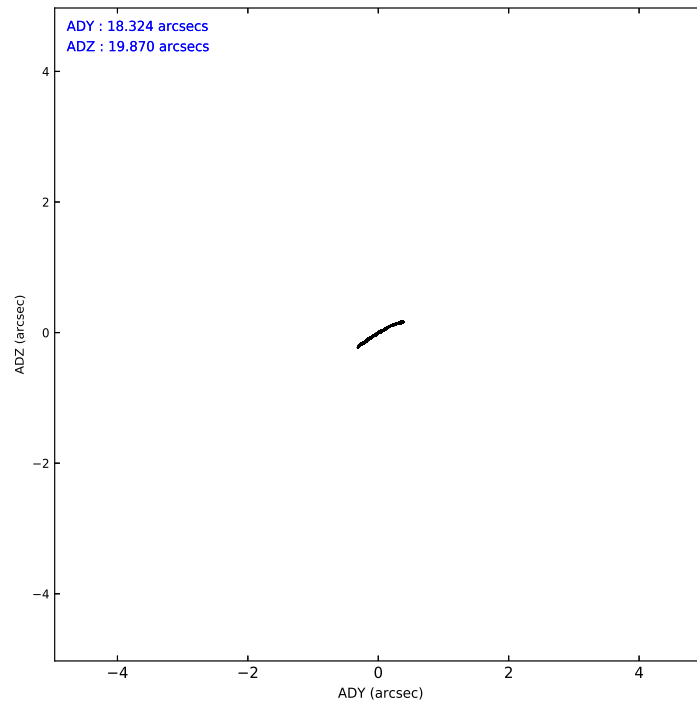
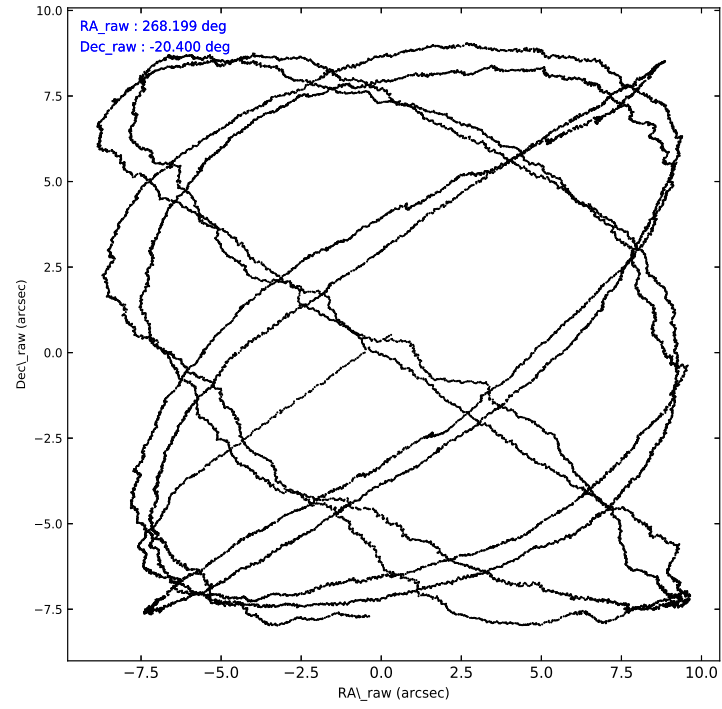
	ccd 7
level 1 events	6973
rejected events	3389
rejected %	48%

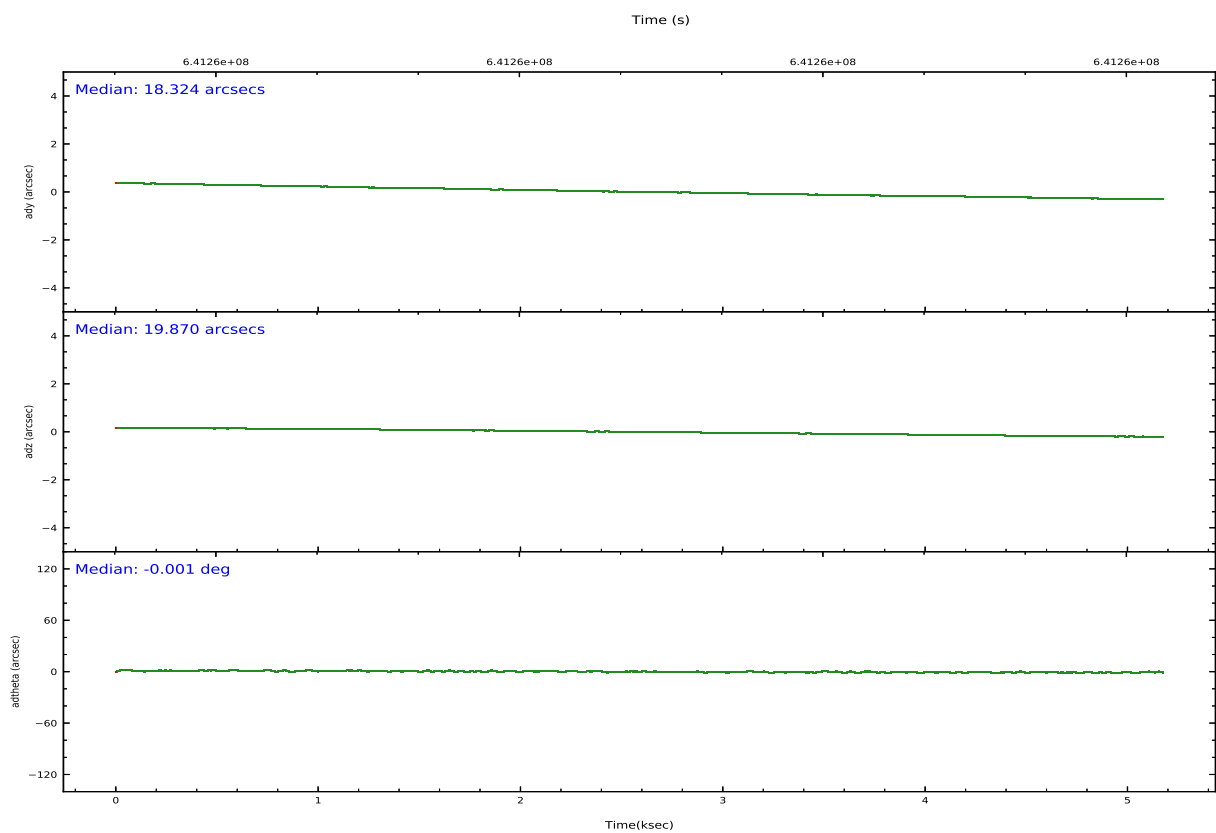
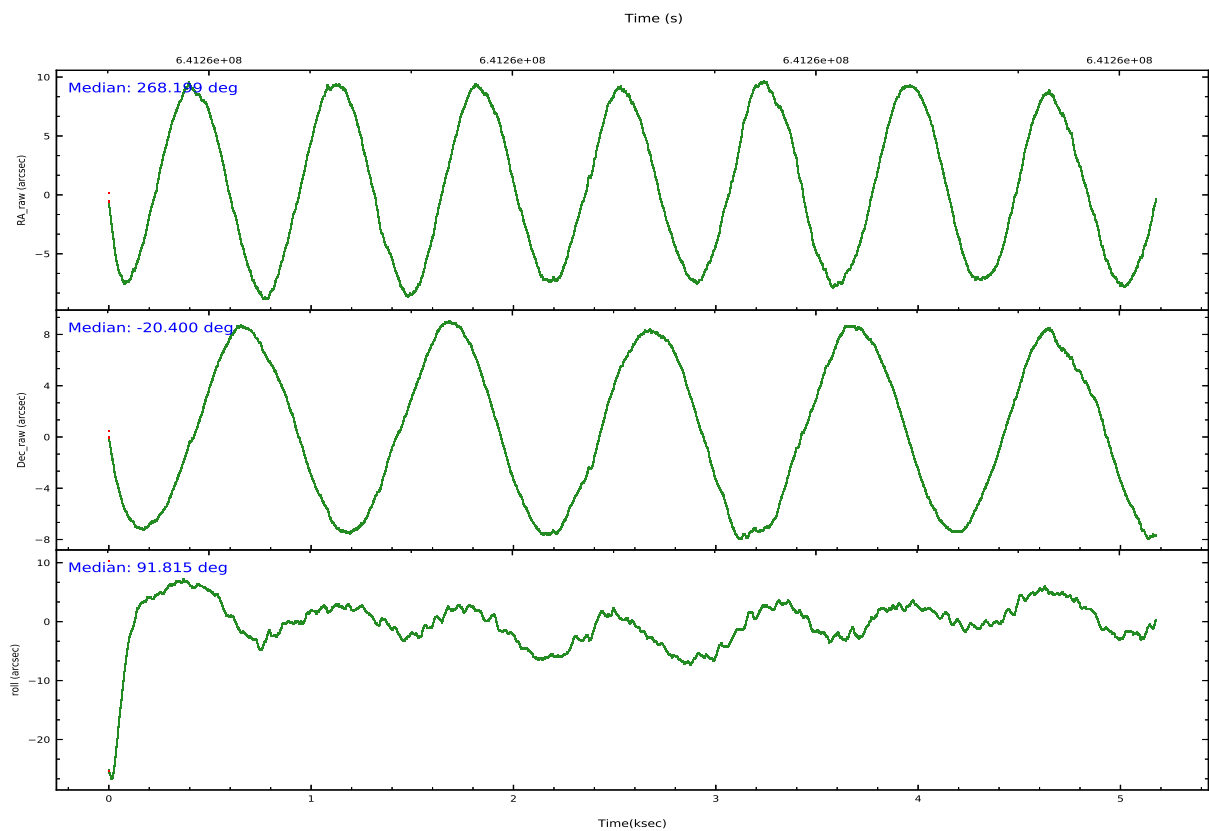
	ccd 7
grade 0 events	431
	6%
grade 1 events	10
	0%
grade 2 events	672
	9%
grade 3 events	488
	6%
grade 4 events	440
	6%
grade 5 events	610
	8%
grade 6 events	1553
	22%
grade 7 events	2769
	39%

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	268.215038	268.20543877178	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-20.422611	-20.404613058409	Subarray start row	449	449
[deg] Pointing Roll	91.666519	91.81531589041199	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	641259682.184000	641258938.09772			
Observation start date	2018-04-27T23:40:13	2018-04-27T23:28:58			
[s] Observation end time (MET)	641264682.184000	641265245.4356			
Observation end date	2018-04-28T01:03:33	2018-04-28T01:14:05			
Read mode	TIMED	TIMED			

2.3 Aspect



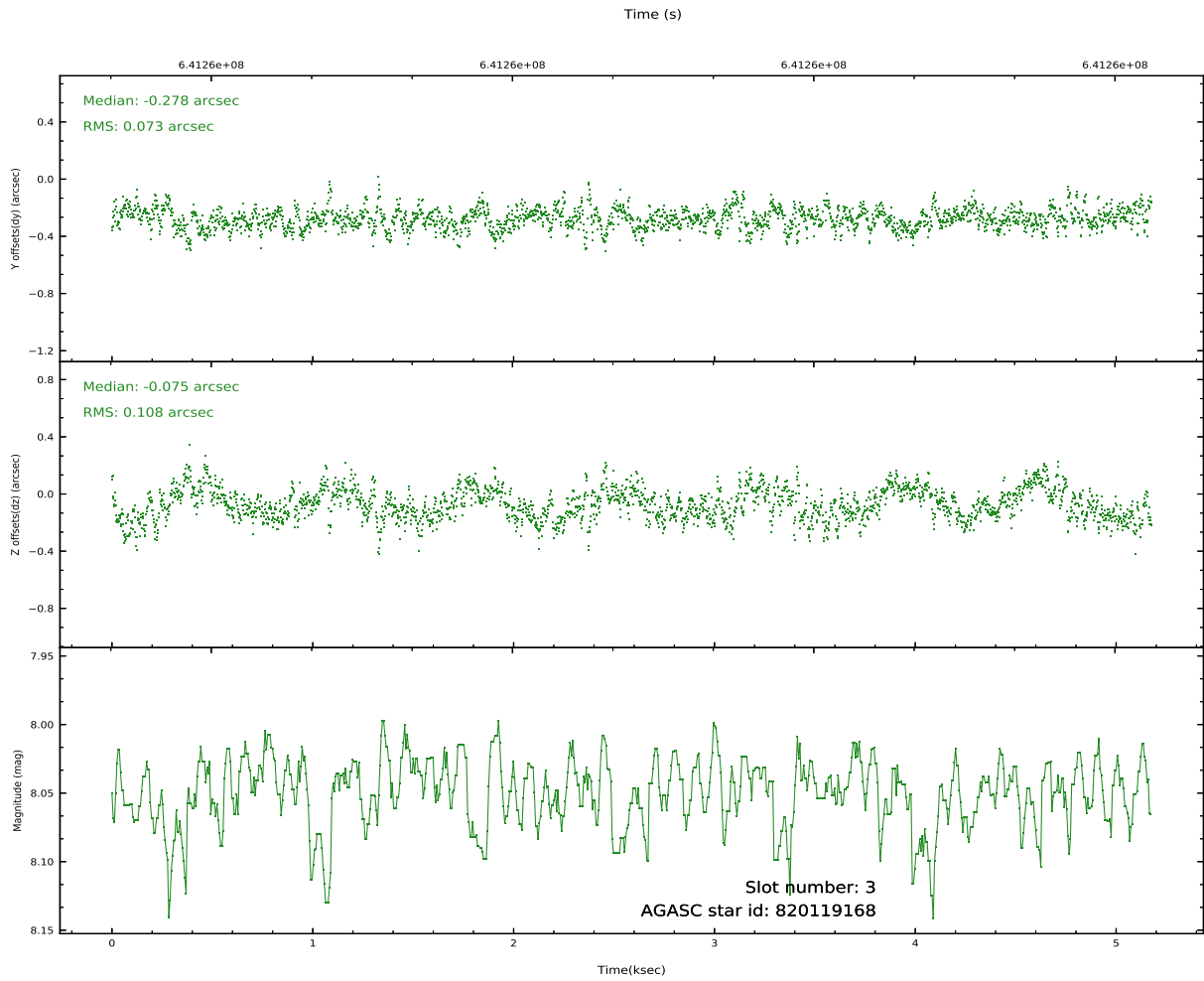
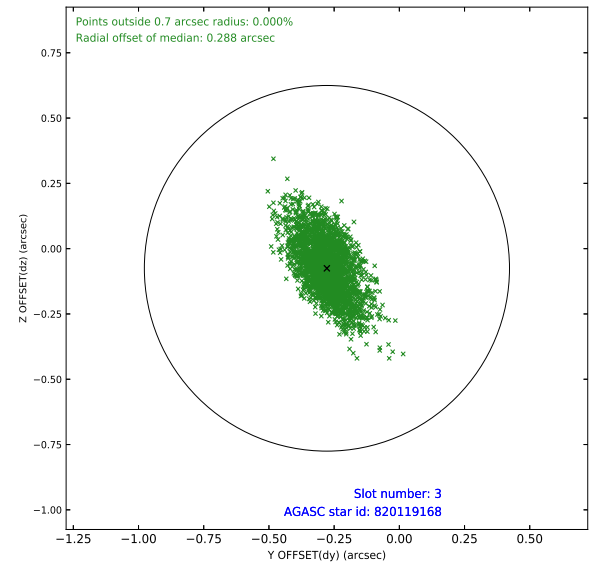
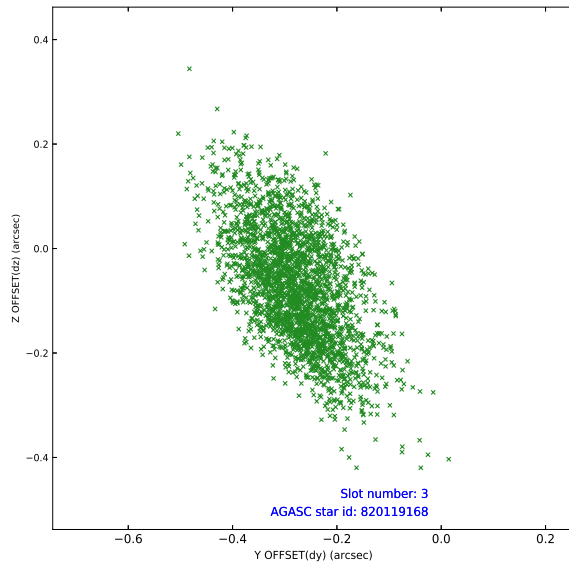


Slot Statistics

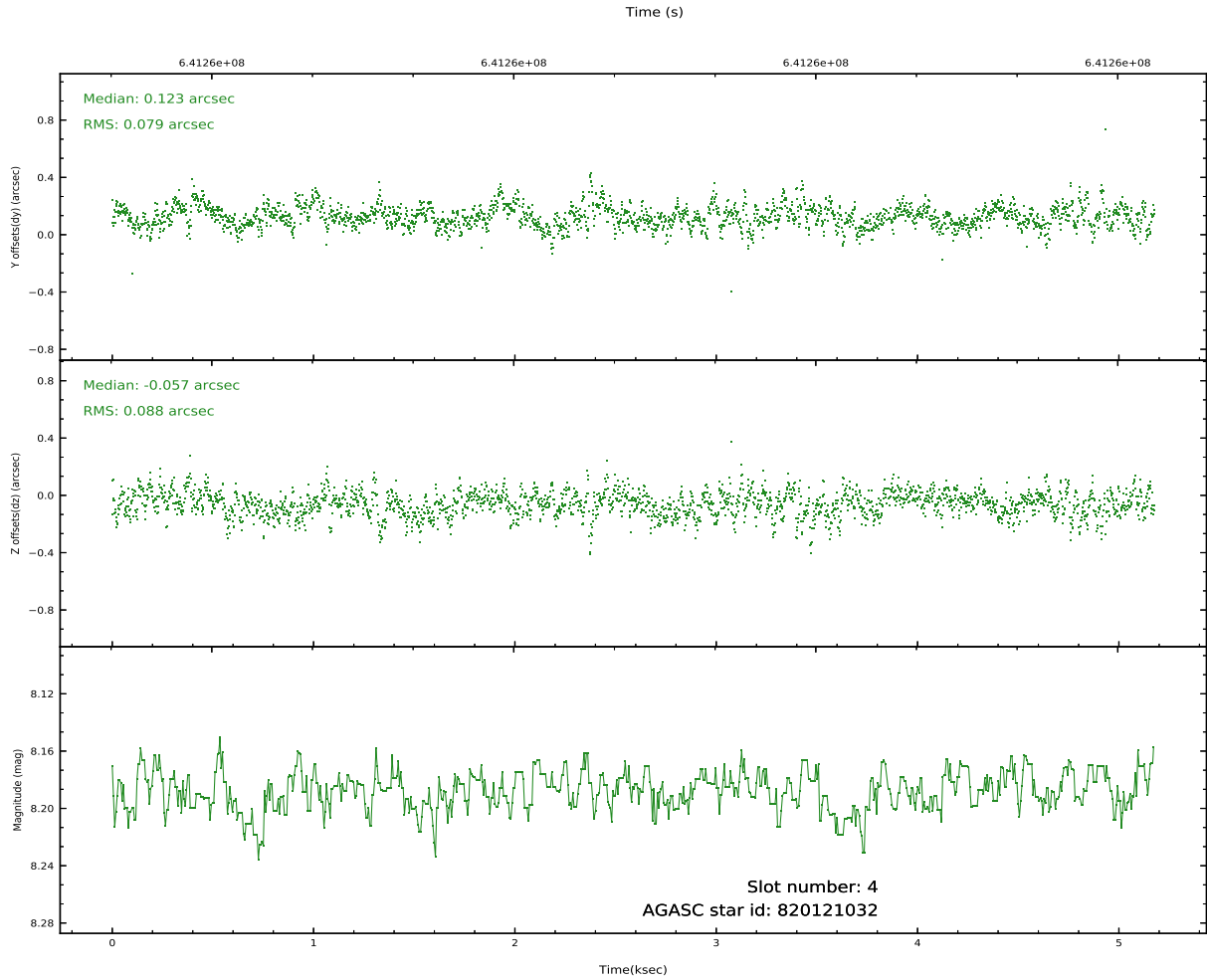
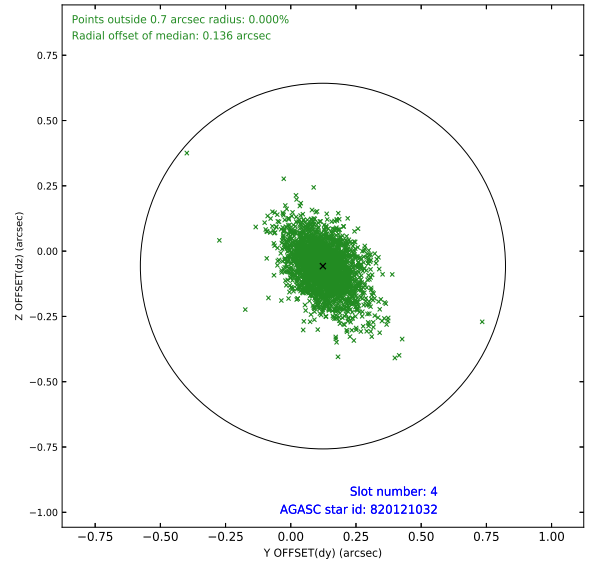
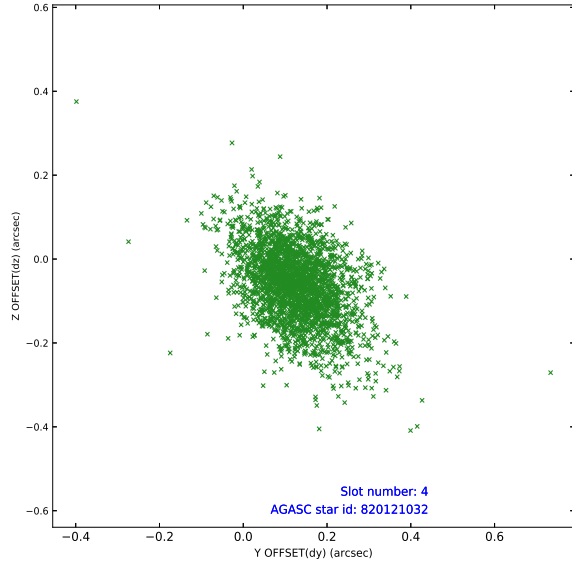
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.26	1263	1.000	0.326	-0.216	0.009	0.014	0.000000	0.000000	924.82	-1737
1	FID		ACIS-S-5	7.28	1263	1.000	-0.300	0.248	0.008	0.013	0.000000	0.000000	-1824.00	159
2	FID		ACIS-S-6	7.43	1263	1.000	-0.047	-0.019	0.010	0.019	0.000000	0.000000	388.94	804
3	GUIDE	used	820119168	8.05	2526	1.000	-0.278	-0.075	0.134	0.237	267.932854	-19.779597	2338.55	888
4	GUIDE	used	820121032	8.19	2519	1.000	0.123	-0.057	0.117	0.211	267.981285	-20.437665	-30.89	789
5	GUIDE	used	820253896	6.92	2526	1.000	-0.157	0.208	0.118	0.217	268.446257	-19.887246	1903.40	-838
6	GUIDE	used	820644800	8.81	2526	1.000	0.169	-0.126	0.150	0.252	267.803773	-20.964535	-1910.31	1438
7	GUIDE	used	820642448	8.25	2525	1.000	0.145	0.050	0.128	0.243	267.956852	-21.058711	-2264.81	933

2.4 Star Slots

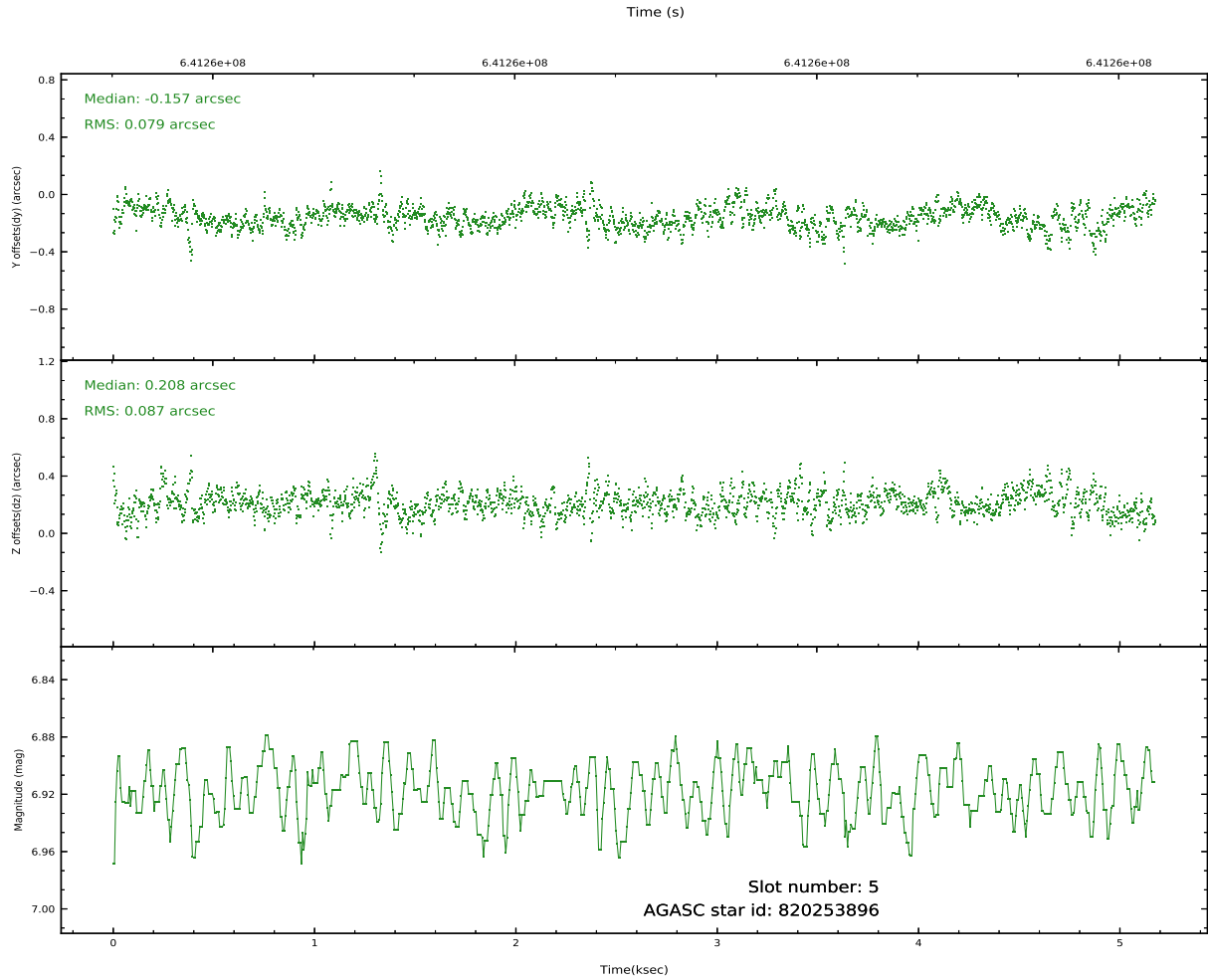
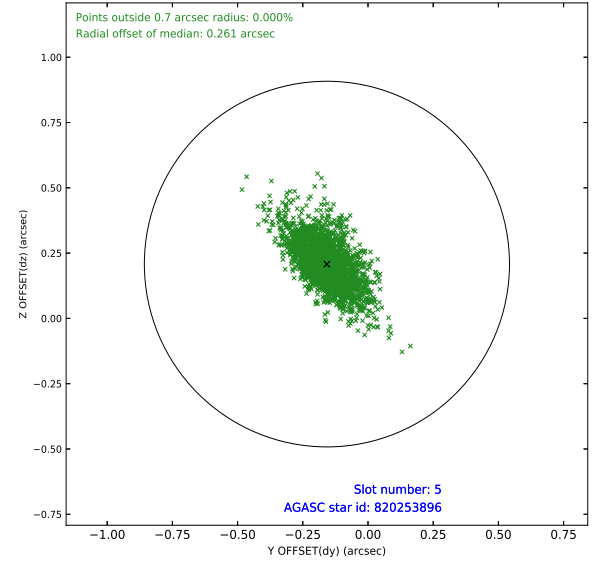
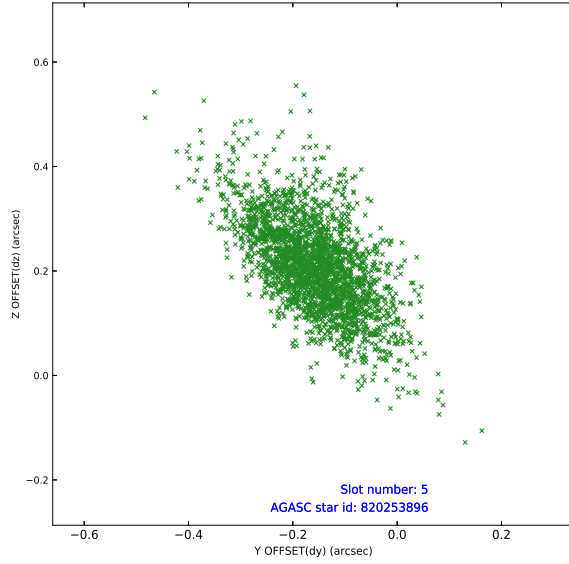
2.4.1 Slot 3



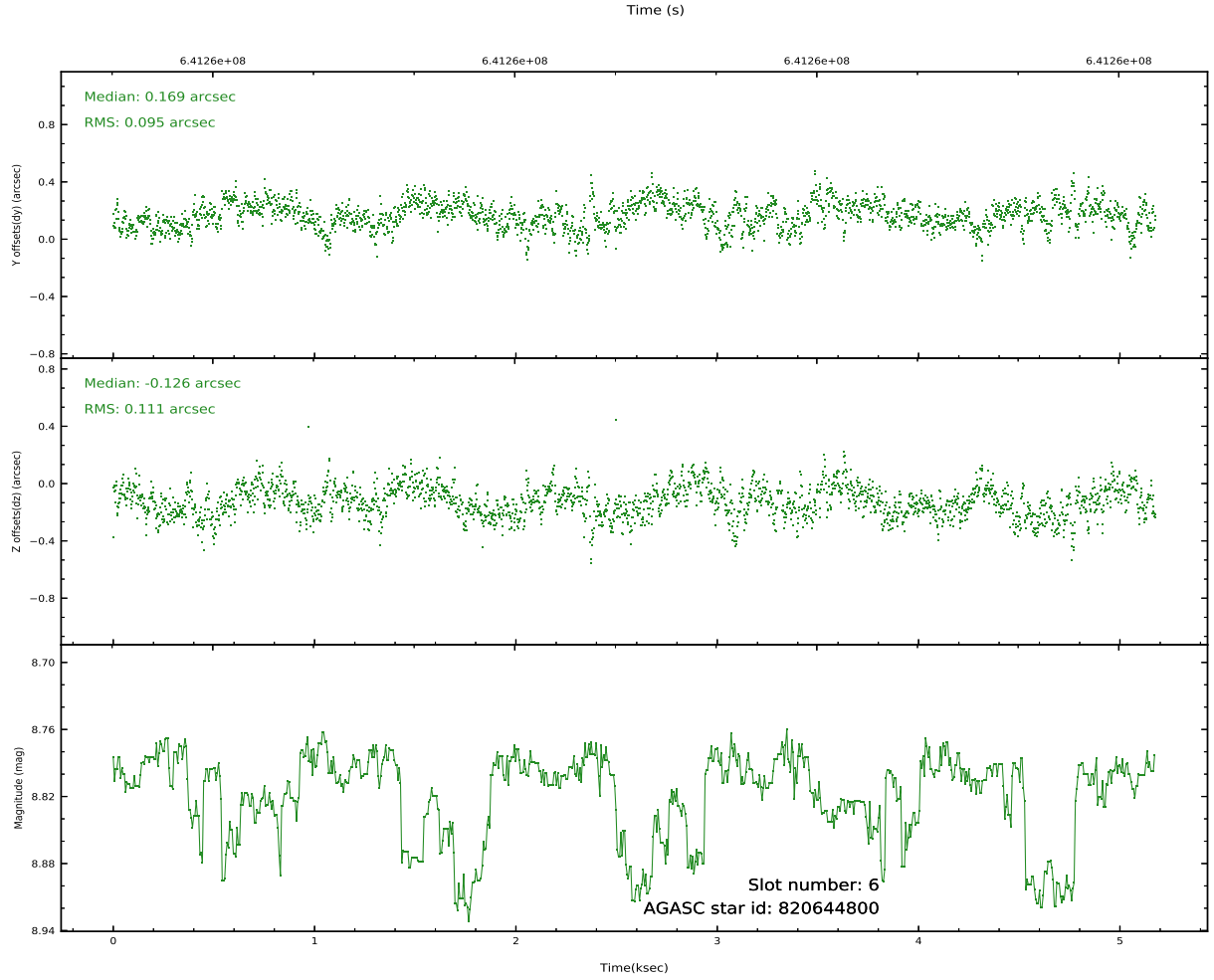
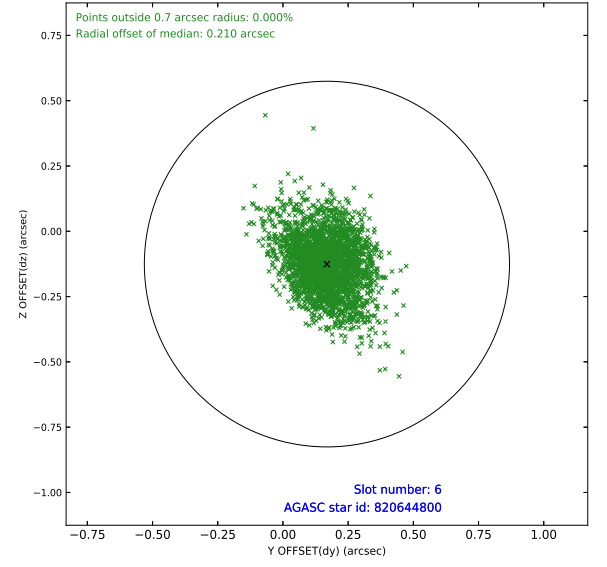
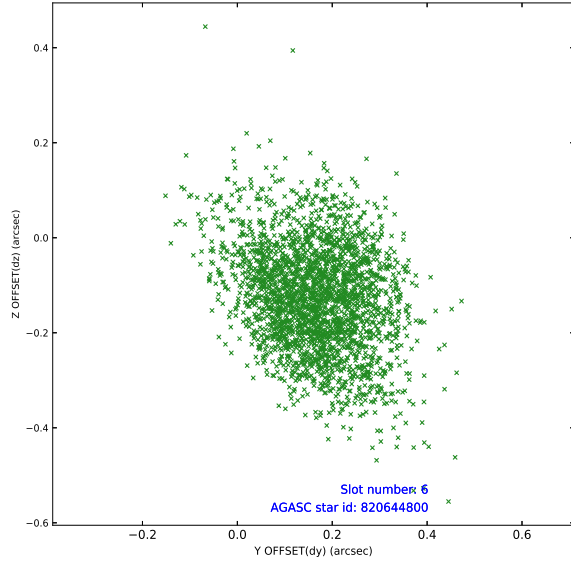
2.4.2 Slot 4



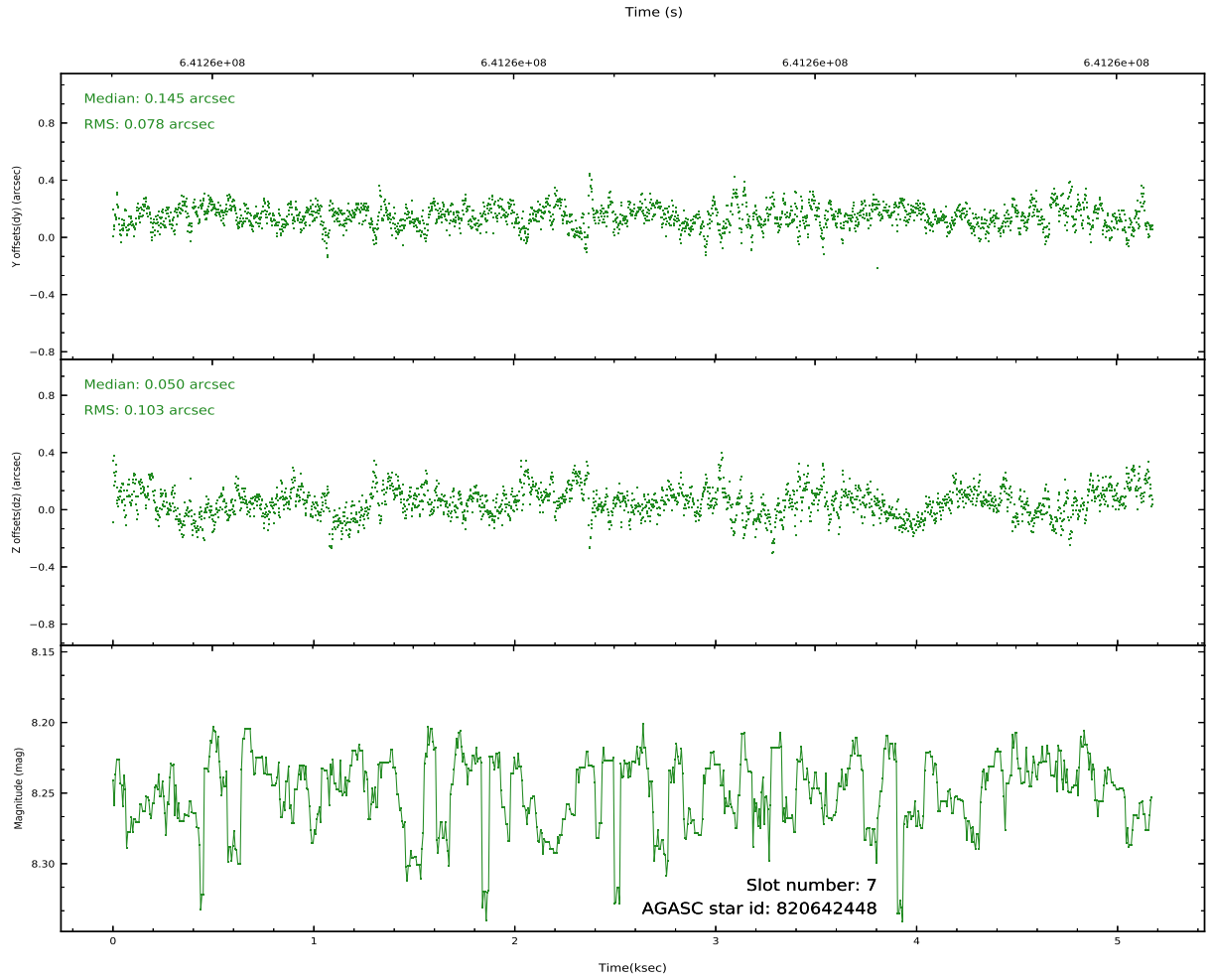
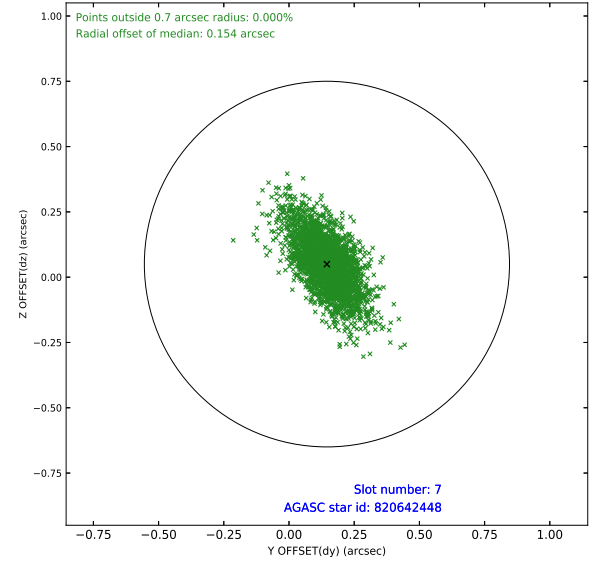
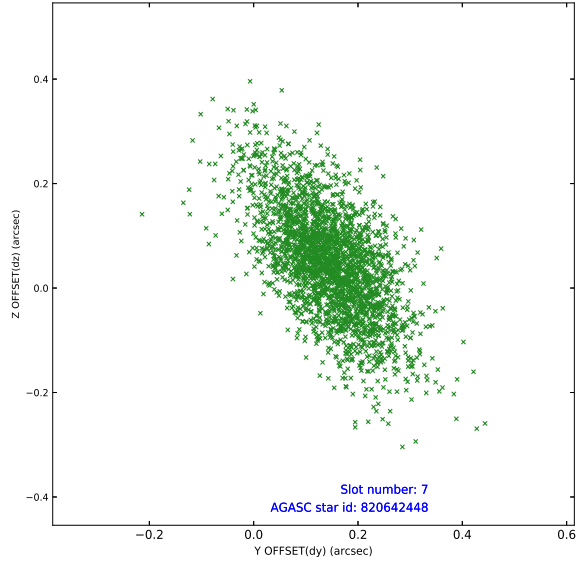
2.4.3 Slot 5



2.4.4 Slot 6

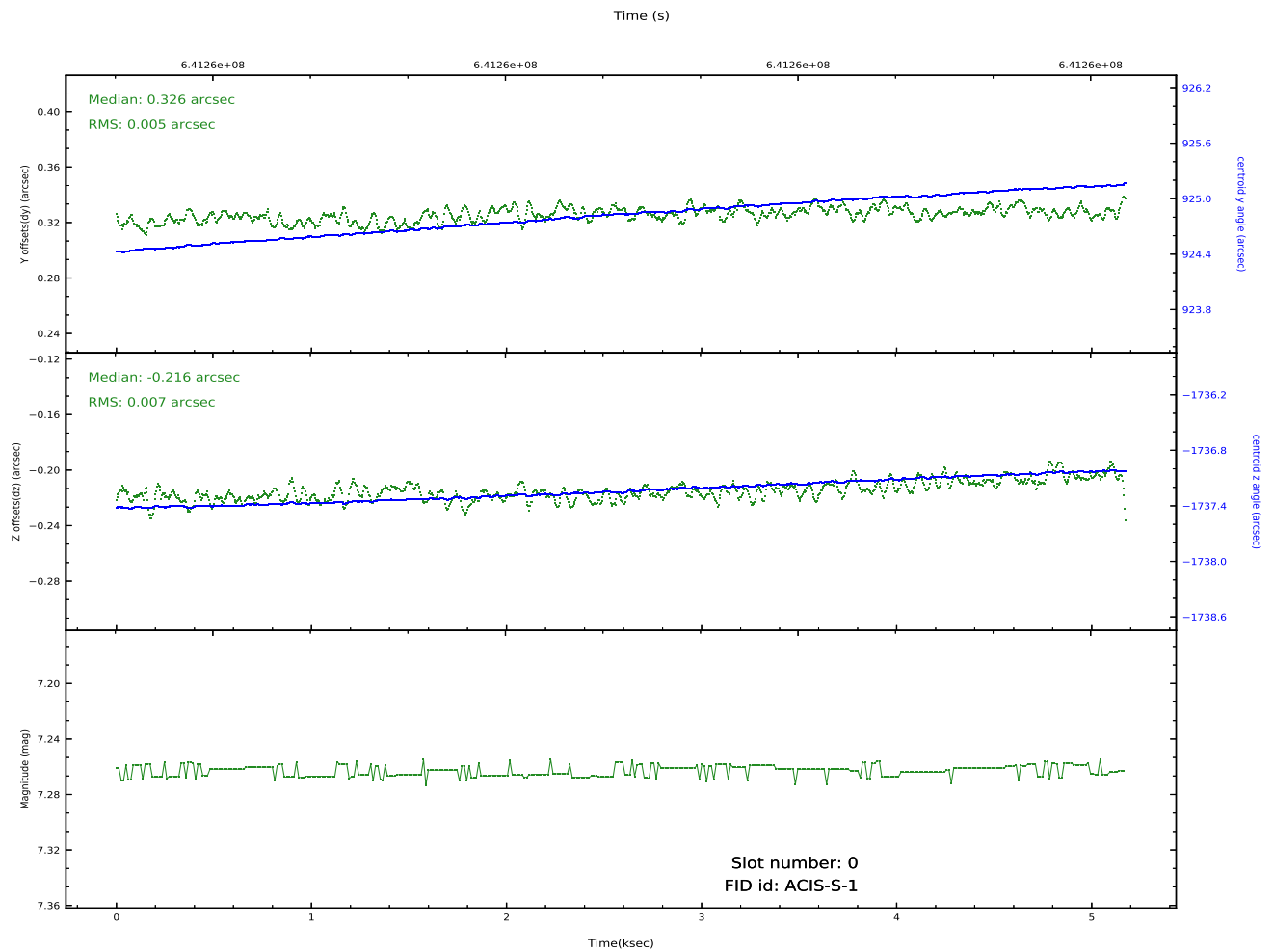
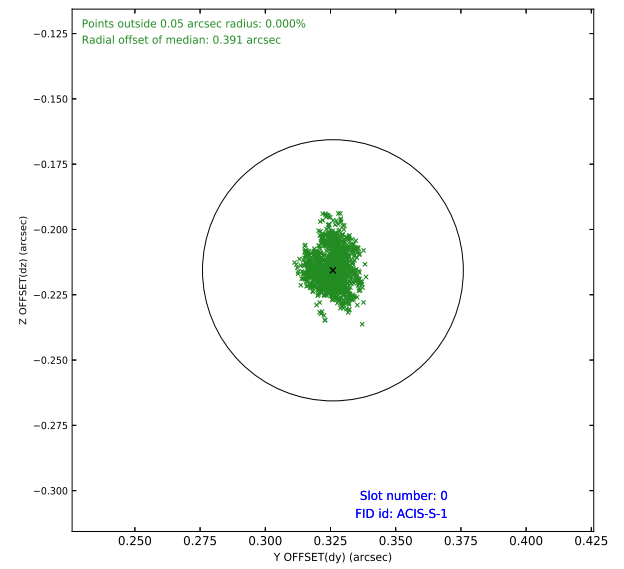
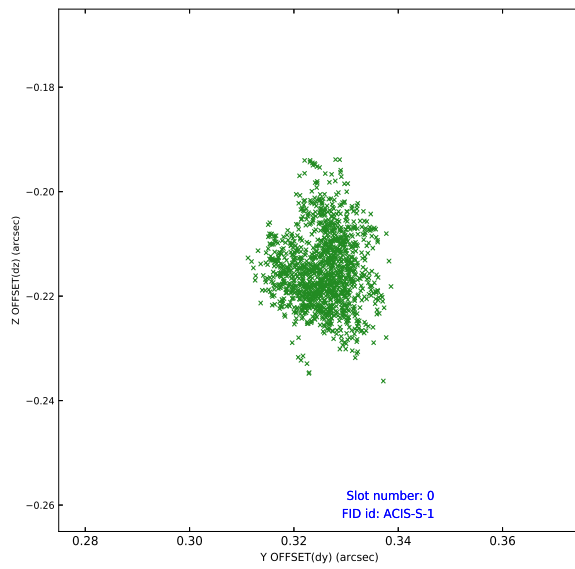


2.4.5 Slot 7

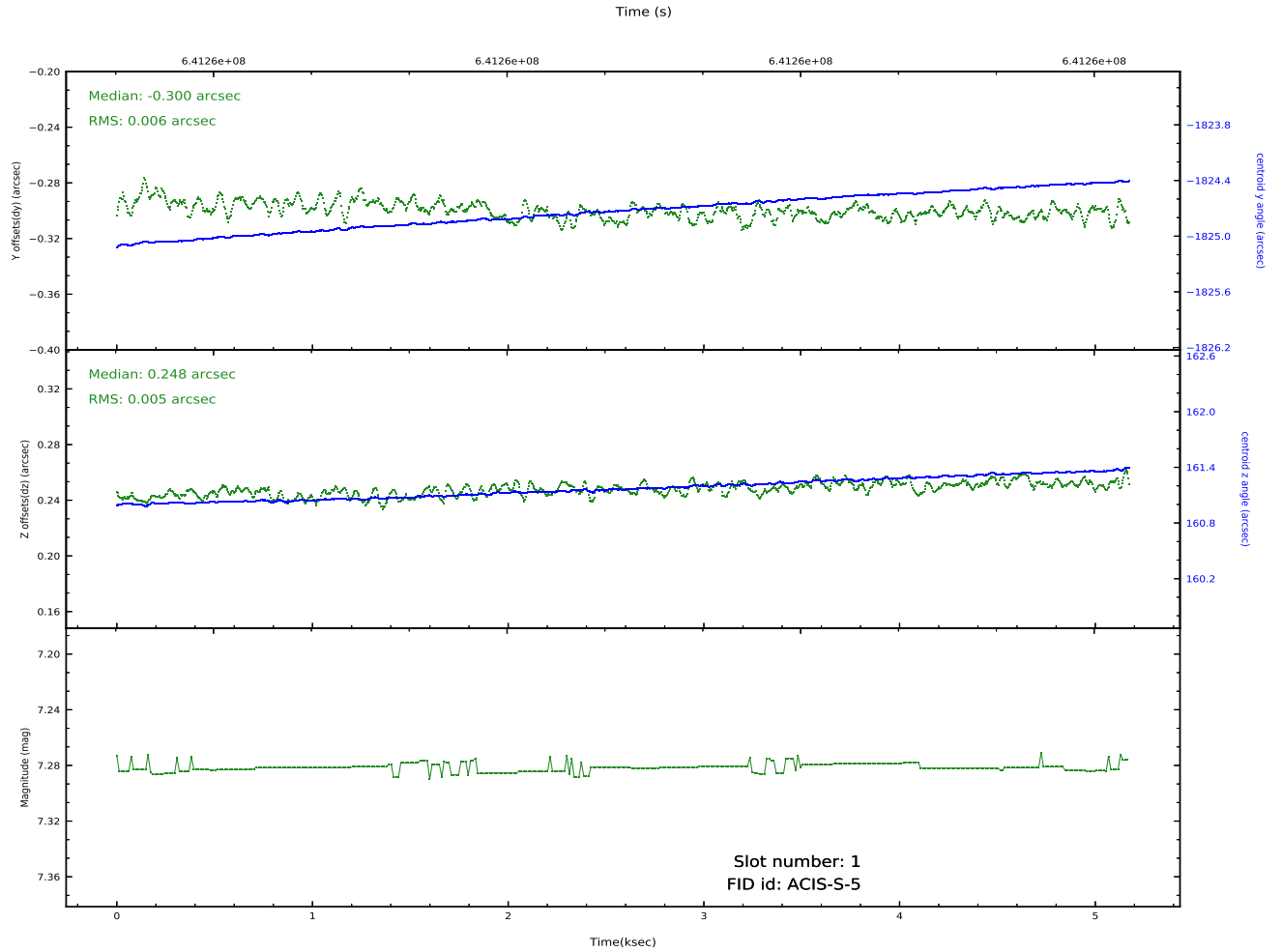
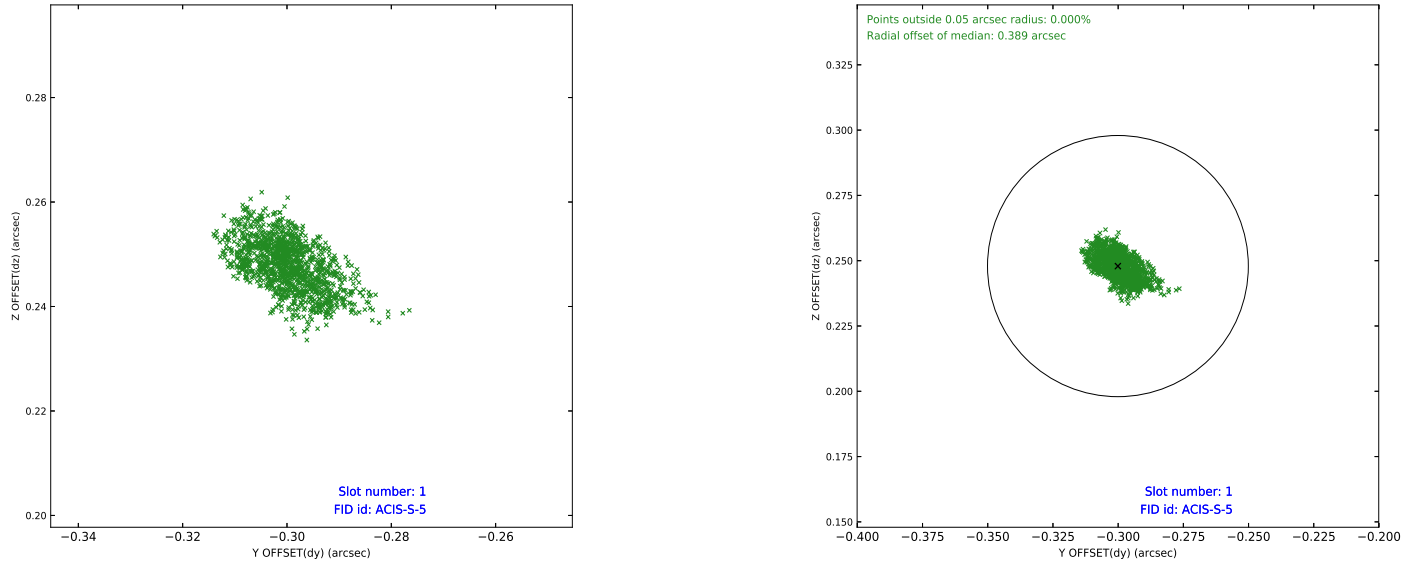


2.5 FID Slots

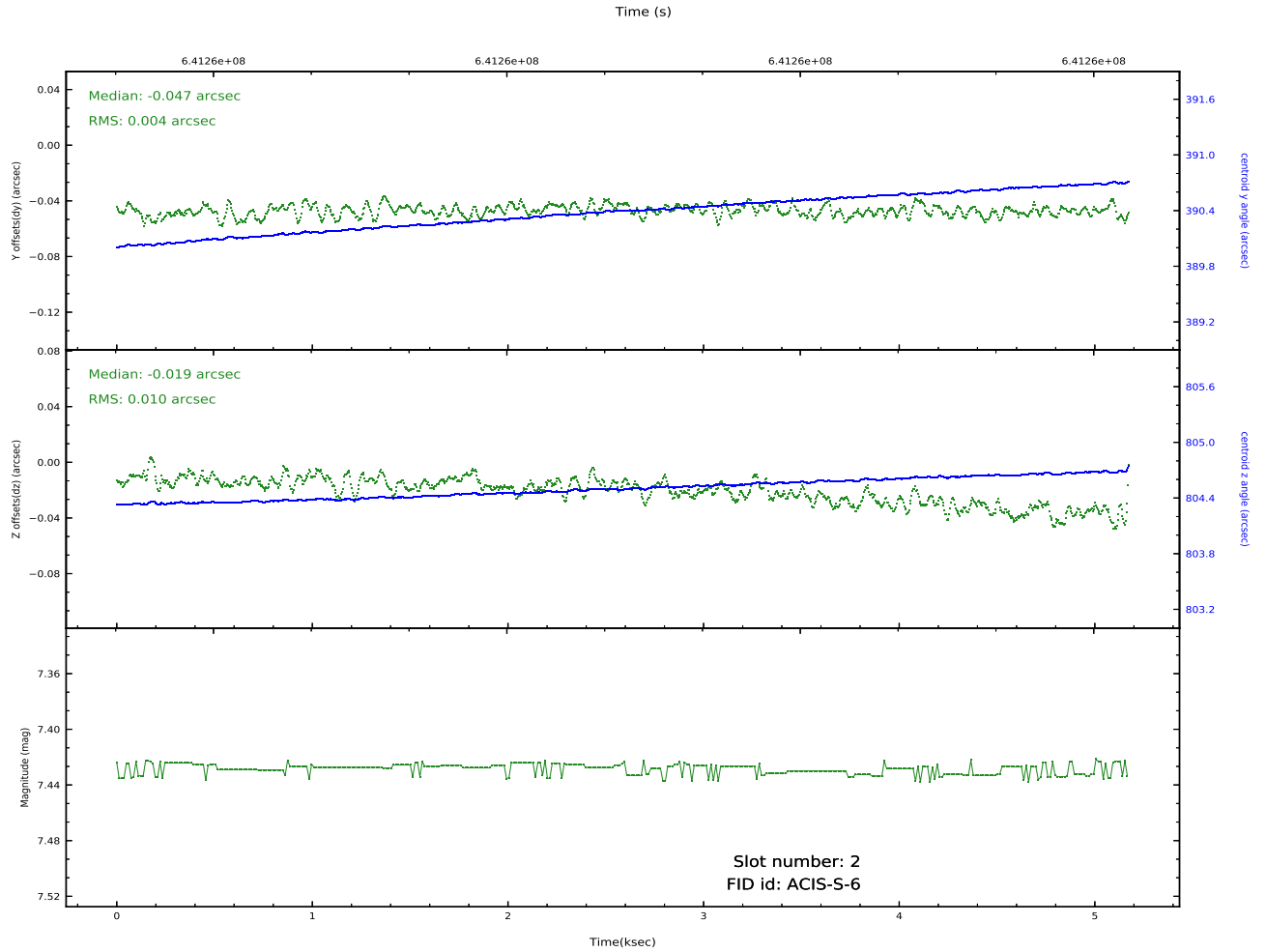
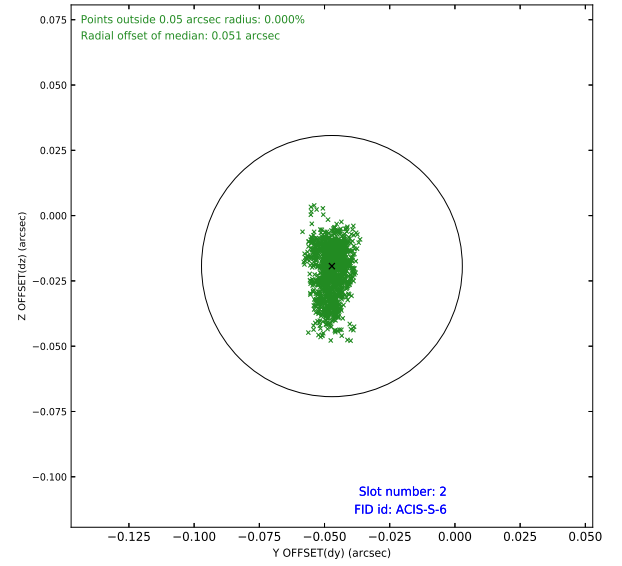
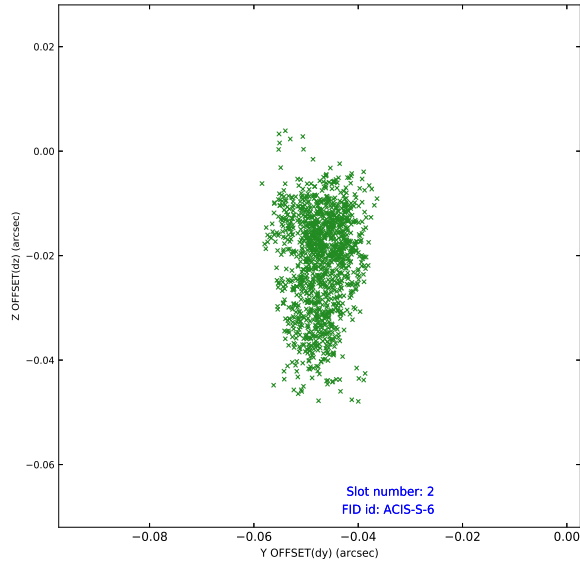
2.5.1 Slot 0



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)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0695996977091

A.2 Comments