

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5659 - L2 Version 4
Chandra X-Ray Center

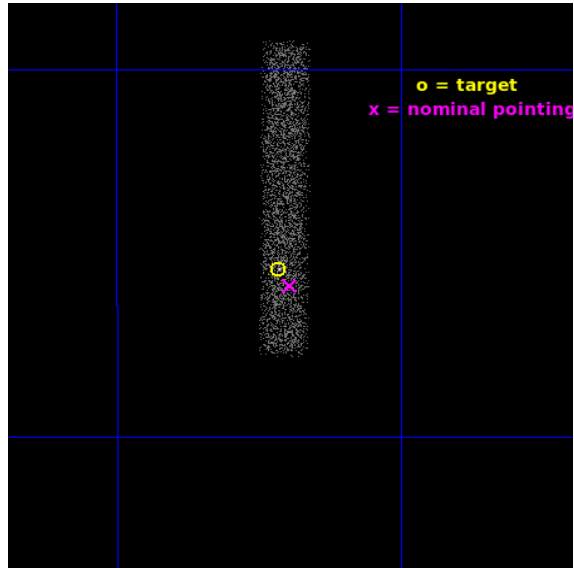
L2 Processing Date : Oct 7 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

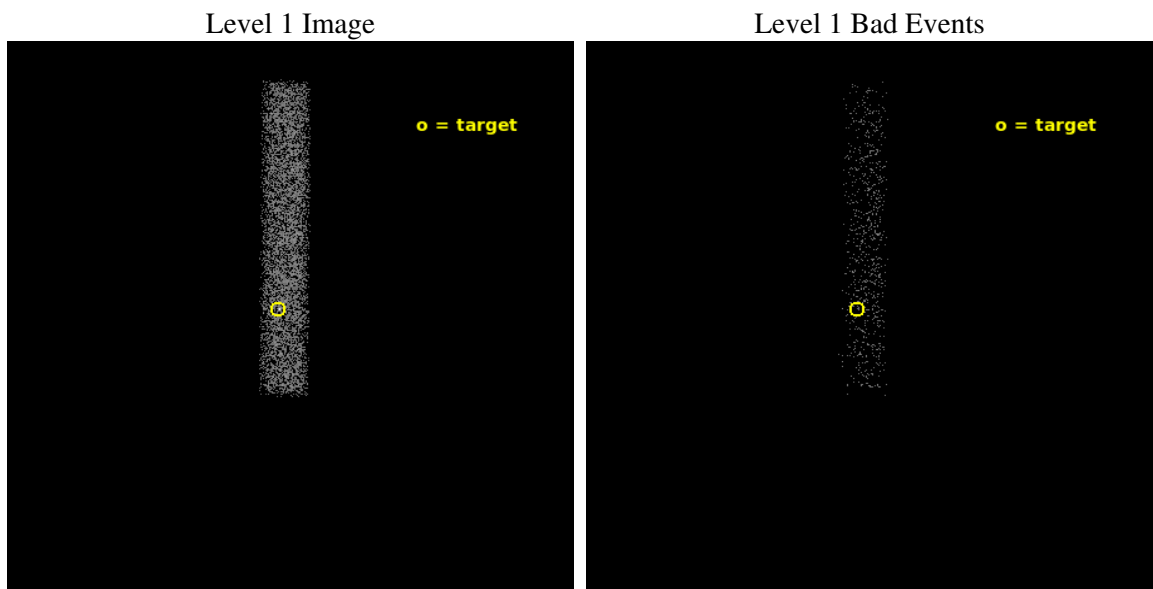
seq_num	701082	Sequence number
obs_id	5659	Observation id
title	X-ray Properties of AGNs with Intermediate-mass Black Holes	Propos
observer	Dr. Luis Ho	Principal investigator
object	SDSS J024912.86-081525.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	42.30375	Observer's specified target RA [deg]
dec_targ	-8.257111	Observer's specified target Dec [deg]
ra_nom	42.298767240599	Nominal RA [deg]
dec_nom	-8.2648231187665	Nominal Dec [deg]
roll_nom	270.30137453988	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5667.600084424	Sum of GTIs [s]
livetime	5140.214116111	Livetime [s]
ontime7	5667.600084424	Sum of GTIs [s]
l2events	4677	Number of level 2 events



2 OBI

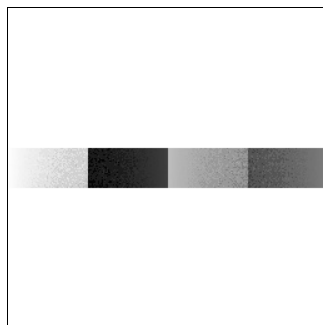
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5489.367000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5667.600084424	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	5667.600084424	Sum of GTIs [s]
date	2020-10-07T04:34:23	Date and time of file creation	l1events	10280	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

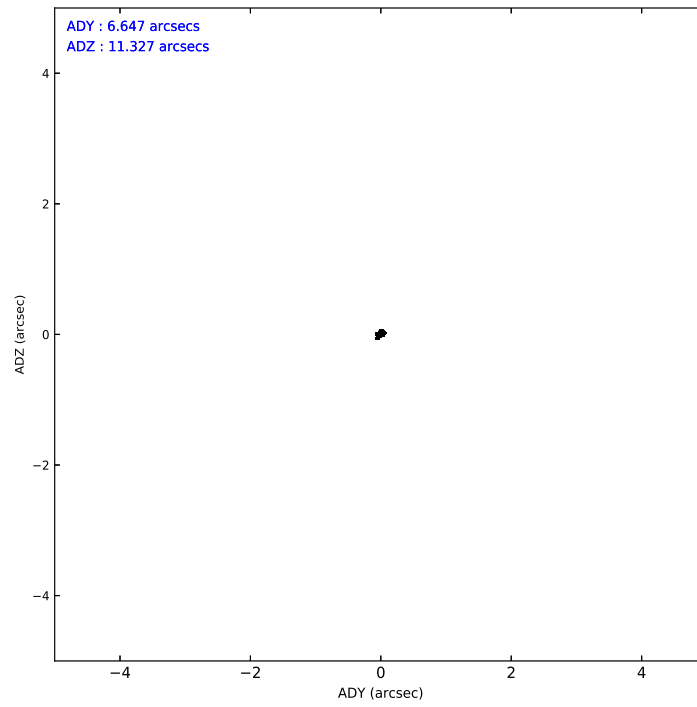
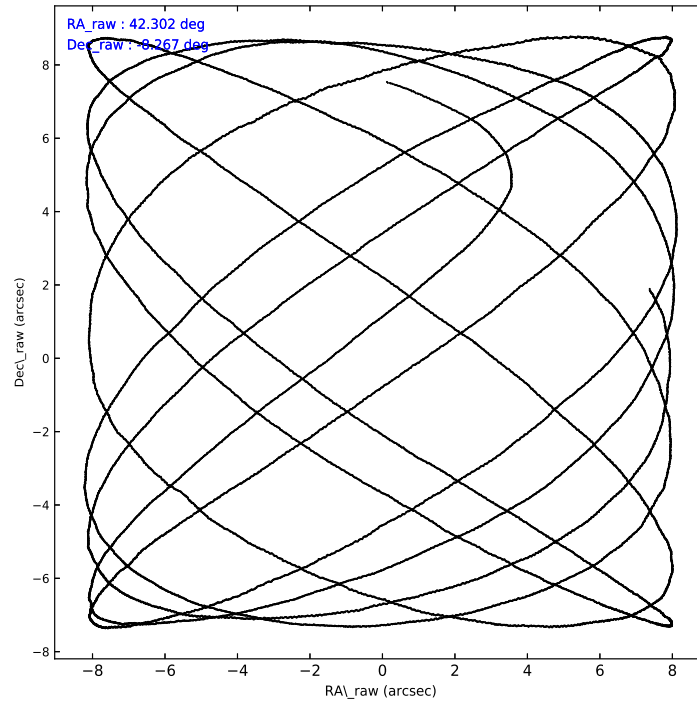
	ccd 7
level 1 events	10280
rejected events	5455
rejected %	53%

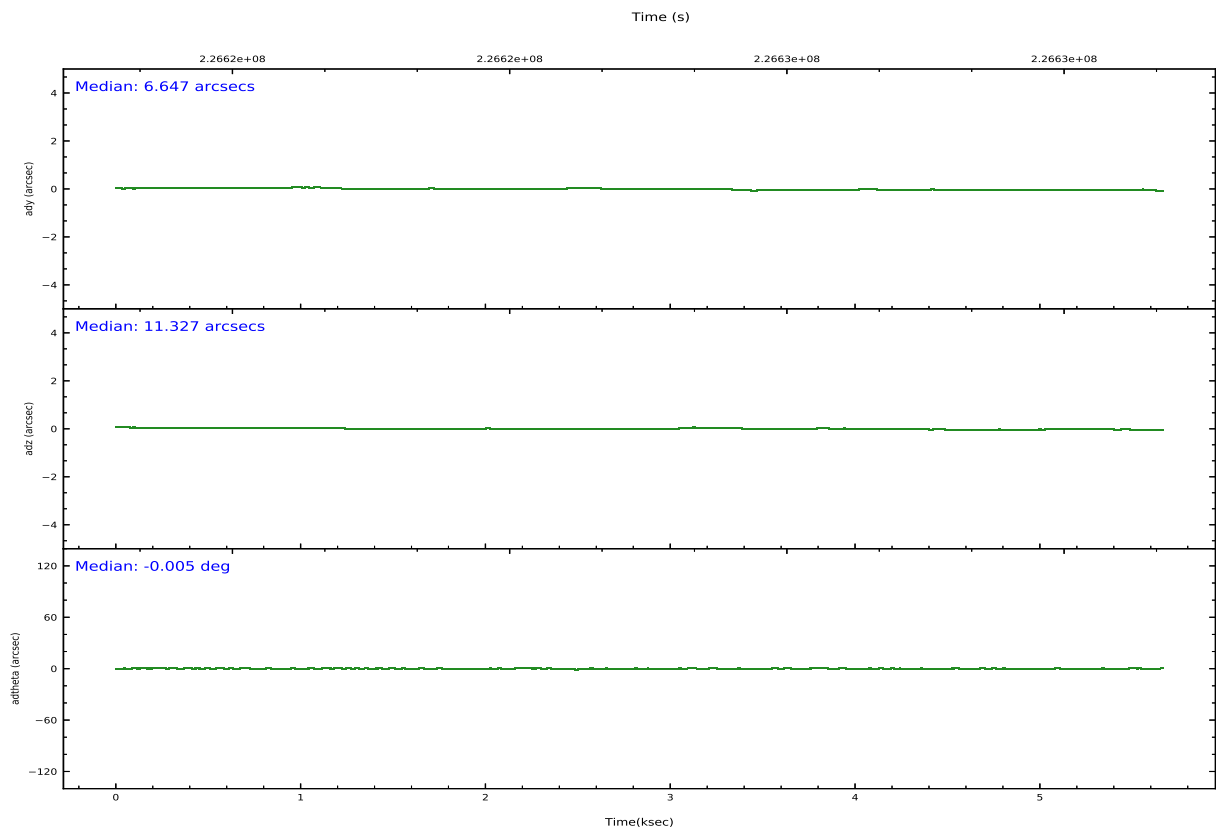
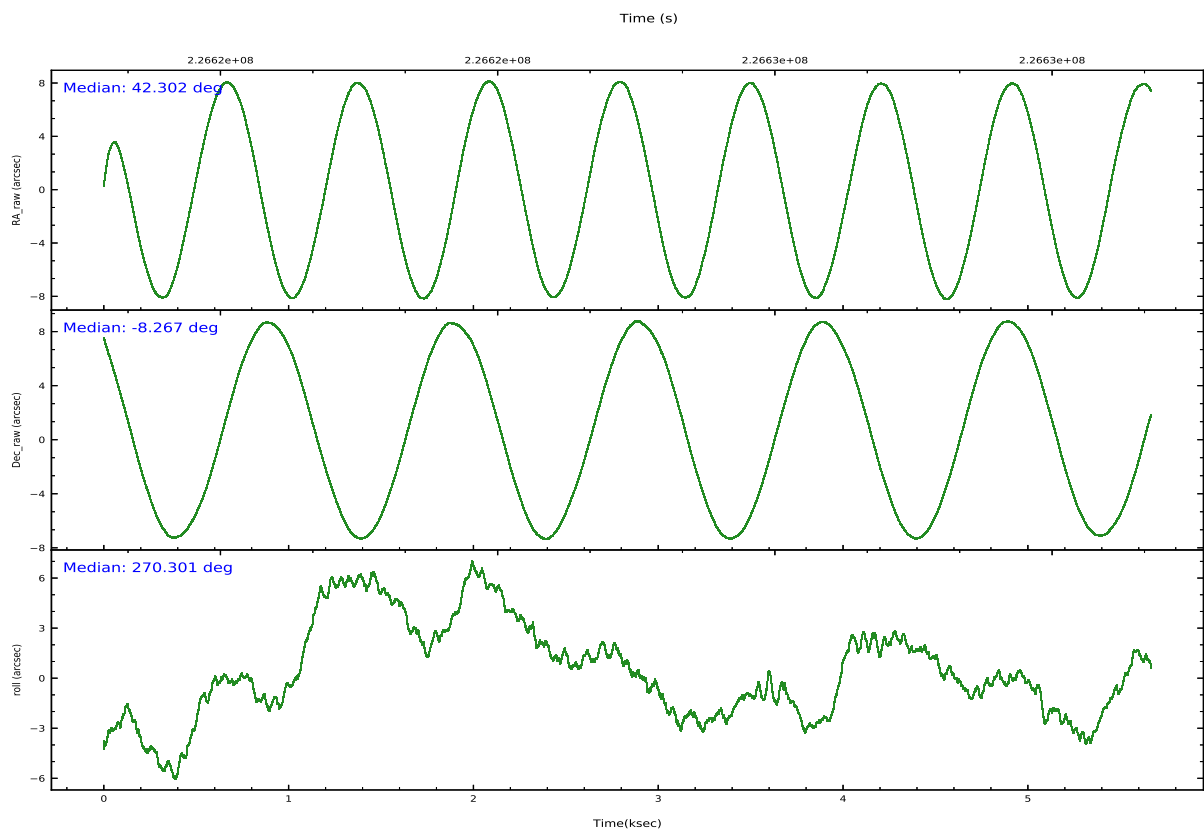
	ccd 7
grade 0 events	676
	6%
grade 1 events	13
	0%
grade 2 events	950
	9%
grade 3 events	643
	6%
grade 4 events	629
	6%
grade 5 events	796
	7%
grade 6 events	2581
	25%
grade 7 events	3992
	38%

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	42.287877	42.298767240599	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-8.243316	-8.2648231187665	Subarray start row	449	449
[deg] Pointing Roll	270.141661	270.30137453988	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)	226622047.184000	226620964.18193			
Observation start date	2005-03-07T22:33:03	2005-03-07T22:16:04			
[s] Observation end time (MET)	226627537.184000	226627761.98223			
Observation end date	2005-03-08T00:04:33	2005-03-08T00:09:21			
Read mode	TIMED	TIMED			

2.3 Aspect



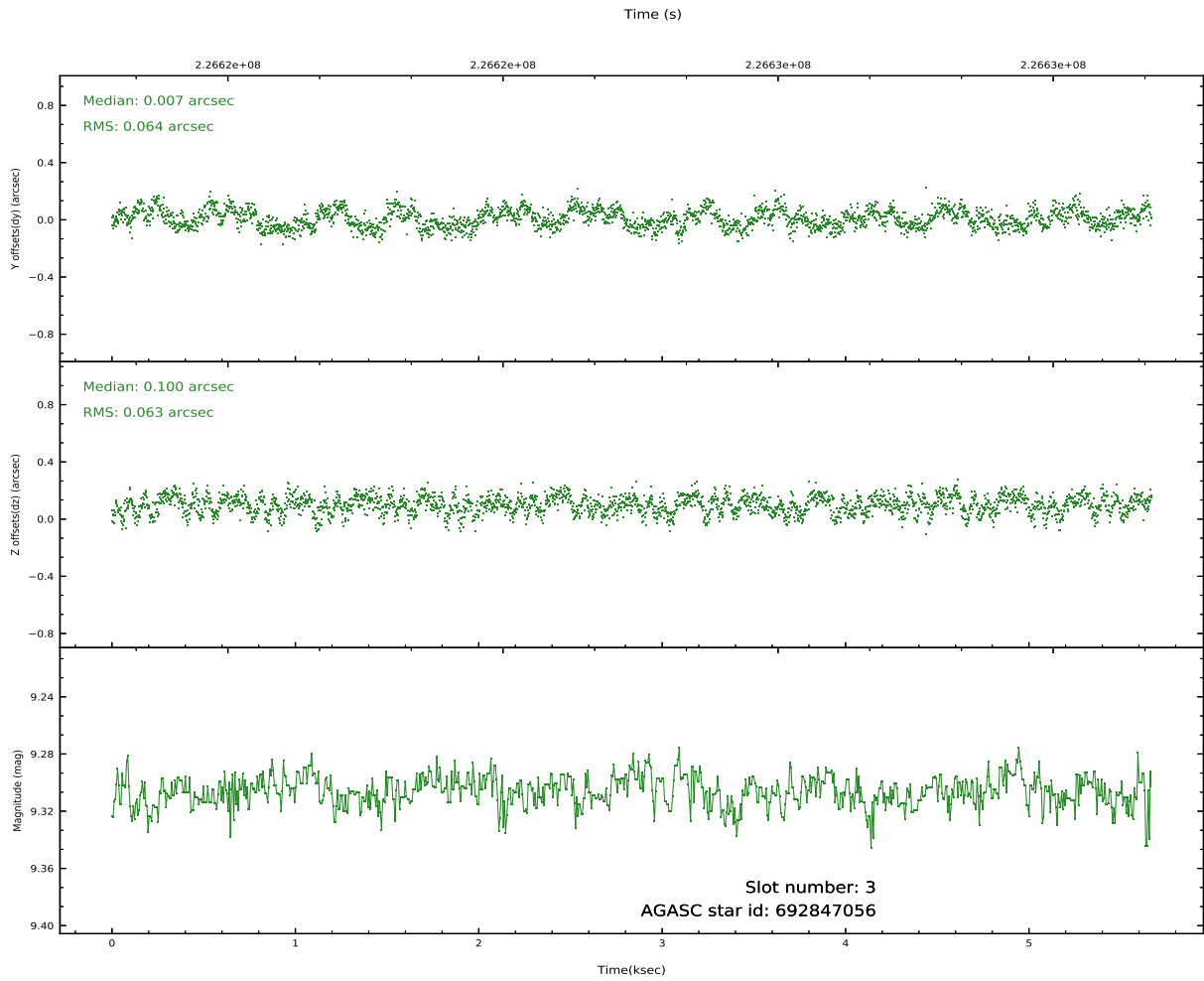
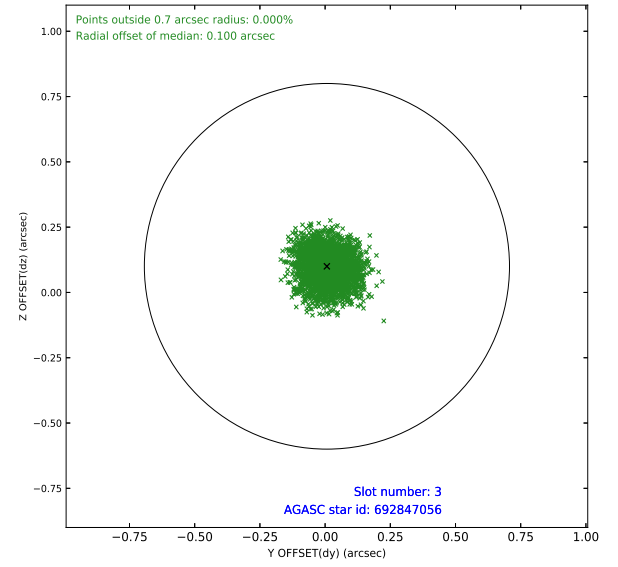
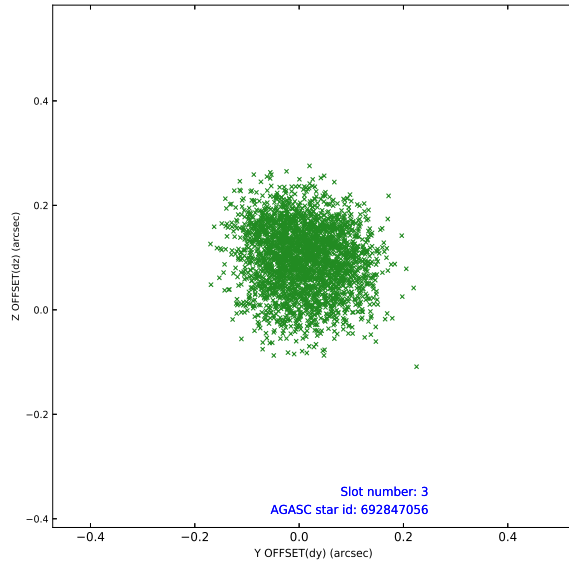


Slot Statistics

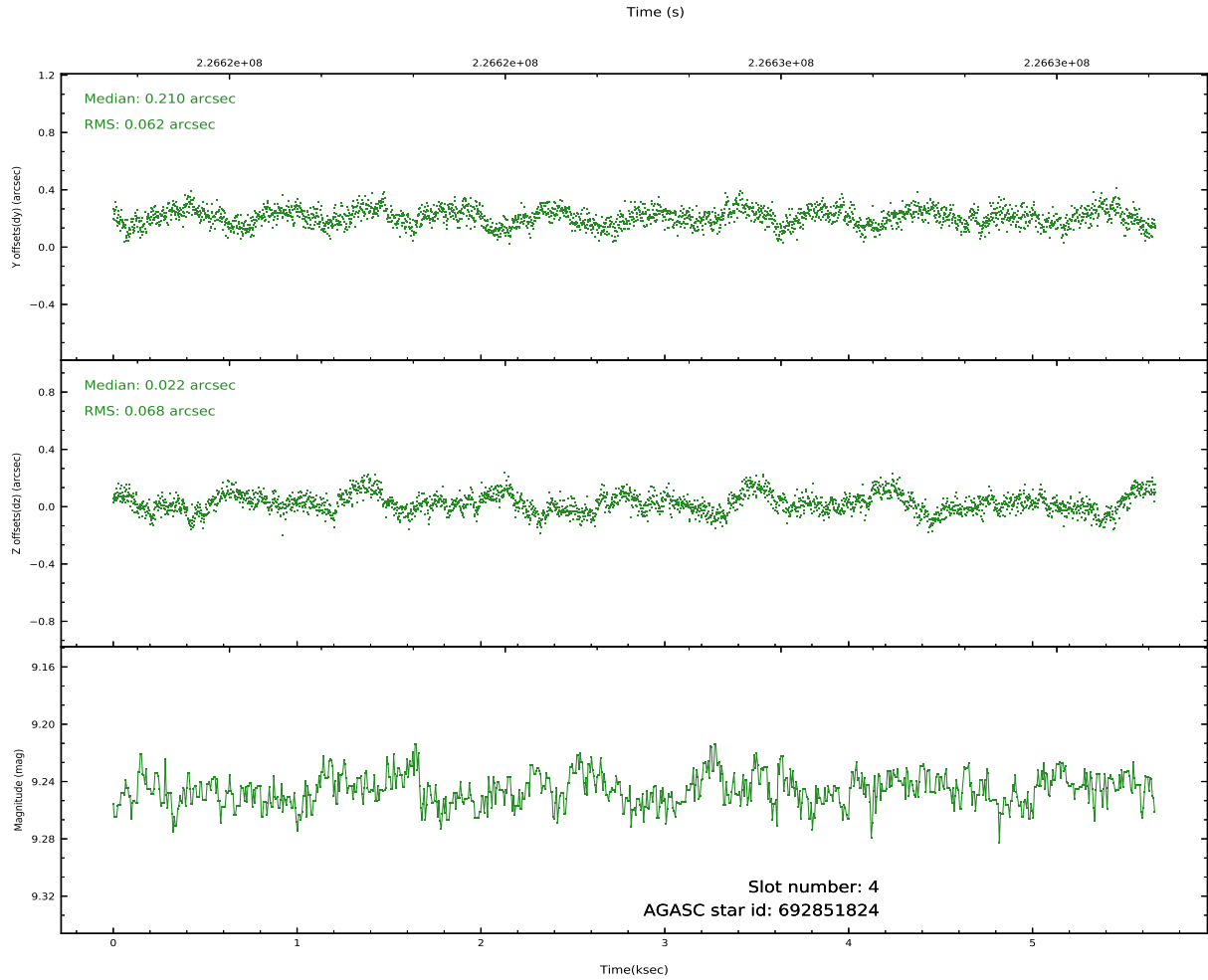
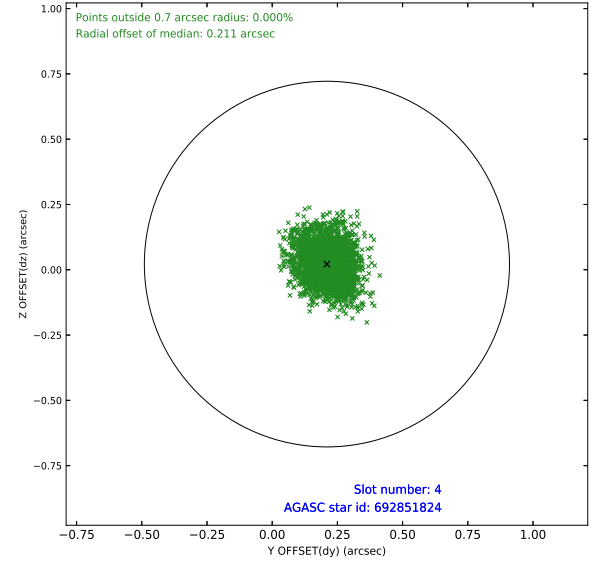
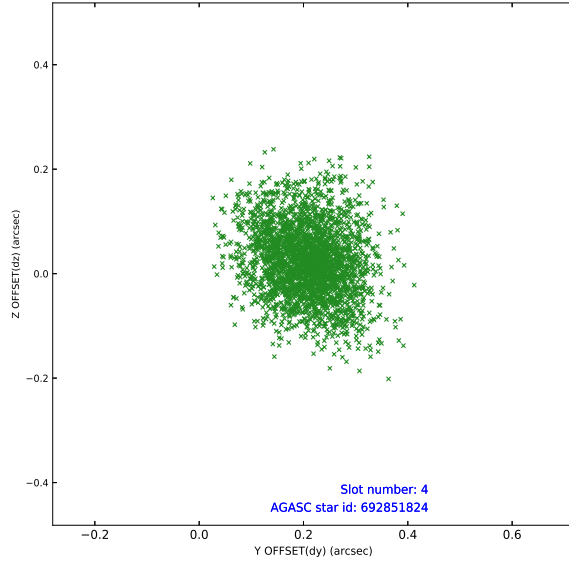
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1383	1.000	-0.079	-0.052	0.007	0.012	0.000000	0.000000	-759.42	-1732
1	FID		ACIS-S-4	7.20	1383	1.000	0.133	0.052	0.006	0.010	0.000000	0.000000	2153.55	174
2	FID		ACIS-S-5	7.23	1383	1.000	-0.085	0.009	0.007	0.012	0.000000	0.000000	-1810.95	169
3	GUIDE	used	692847056	9.31	2764	1.000	0.007	0.100	0.098	0.150	42.804476	-8.329257	314.92	1839
4	GUIDE	used	692851824	9.25	2760	1.000	0.210	0.022	0.099	0.163	42.192027	-8.759054	1855.94	-344
5	GUIDE	used	692854008	9.43	2763	1.000	-0.126	0.114	0.090	0.150	42.250944	-7.685031	-2009.52	-126
6	GUIDE	used	692854632	8.13	2757	1.000	-0.057	-0.230	0.075	0.121	41.632650	-8.028072	-779.49	-2334
7	GUIDE	used	692847136	9.46	2764	1.000	-0.032	-0.003	0.110	0.172	42.935208	-8.269333	100.65	2305

2.4 Star Slots

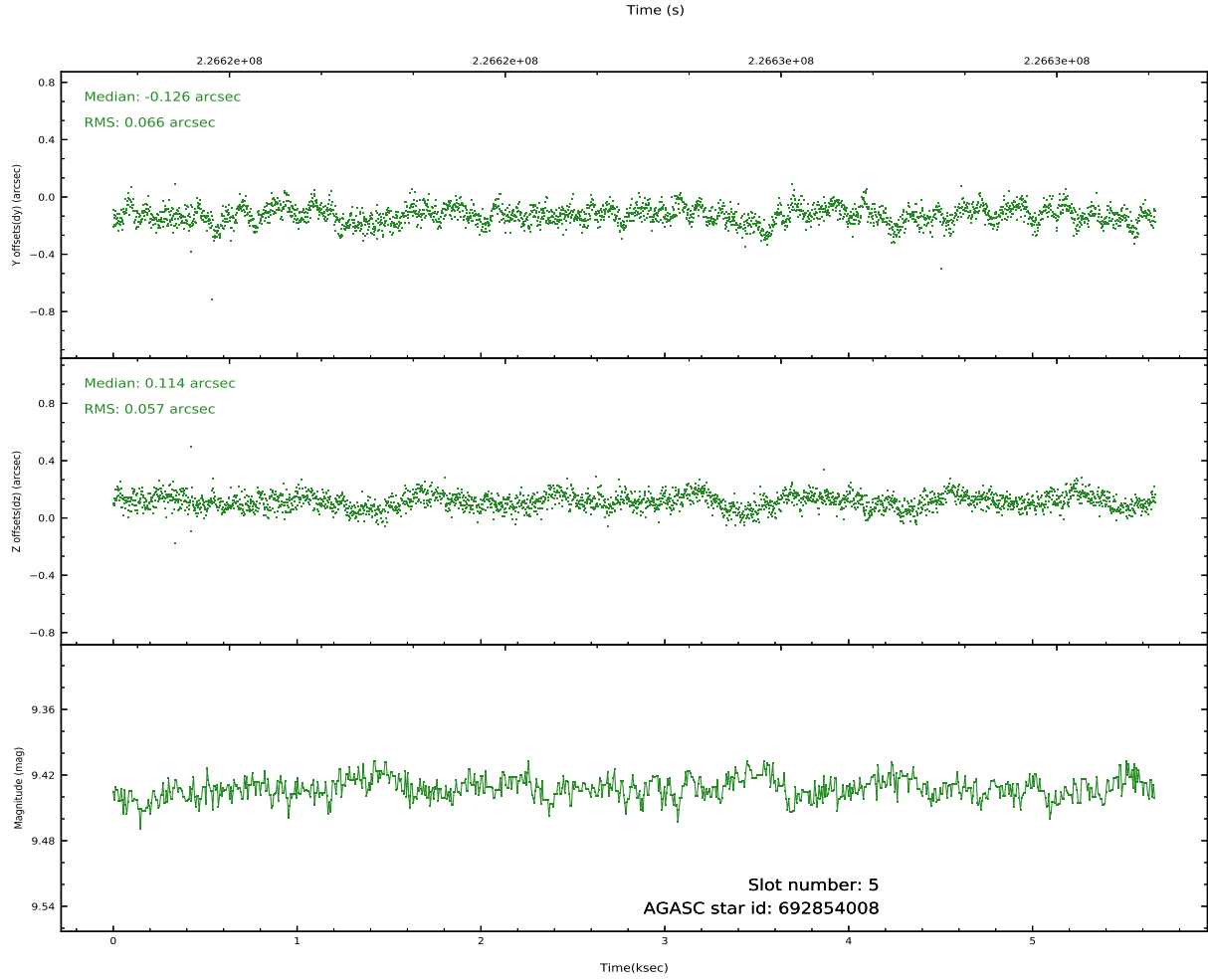
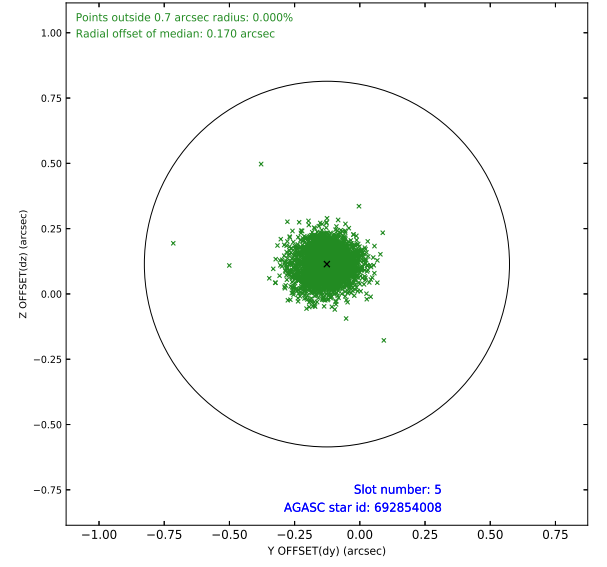
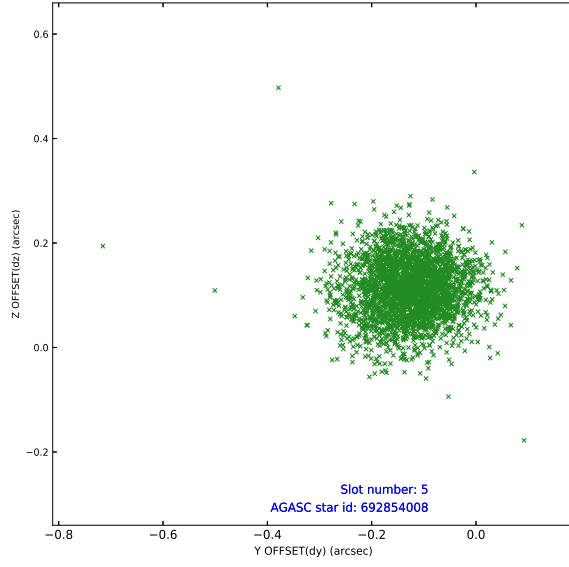
2.4.1 Slot 3



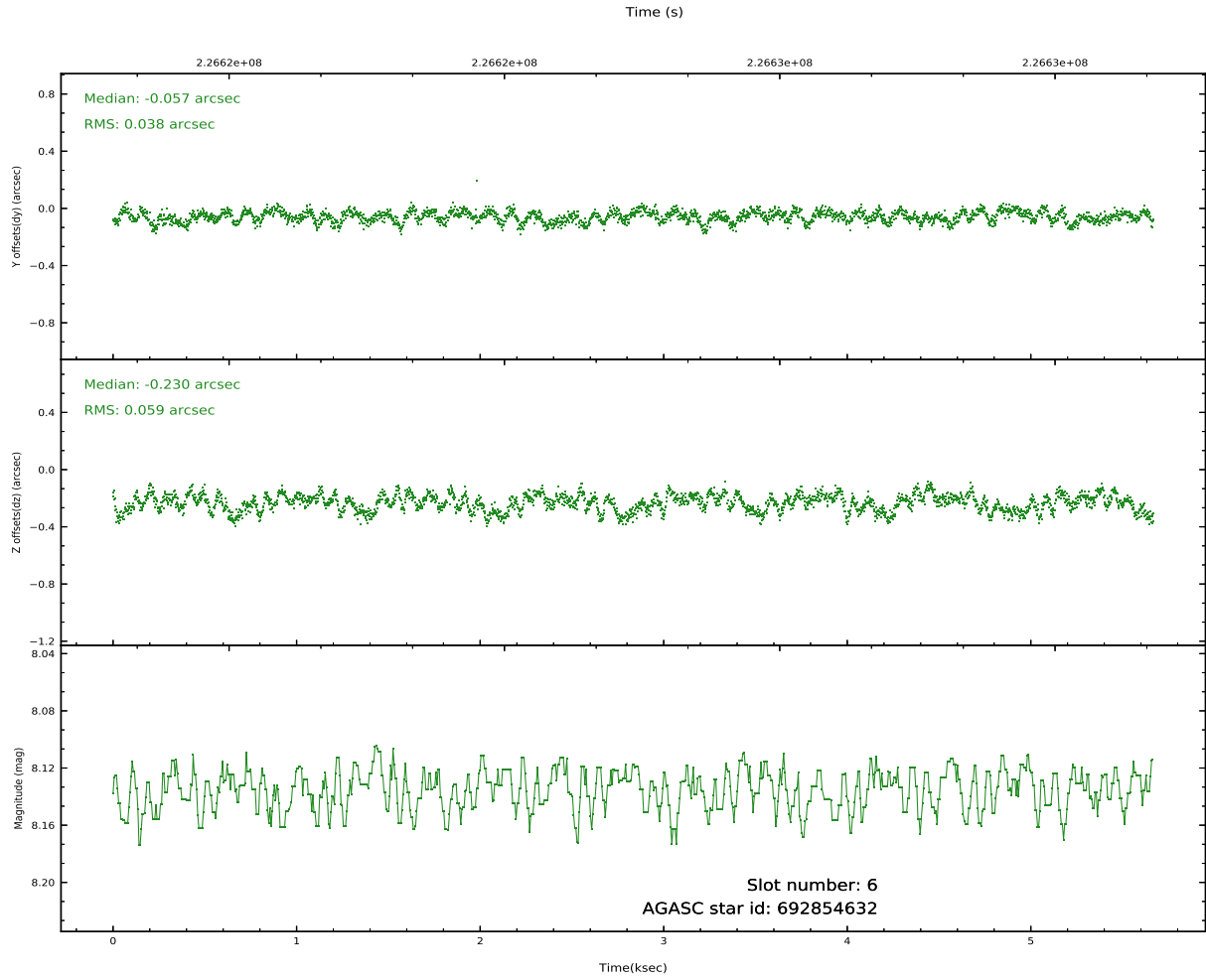
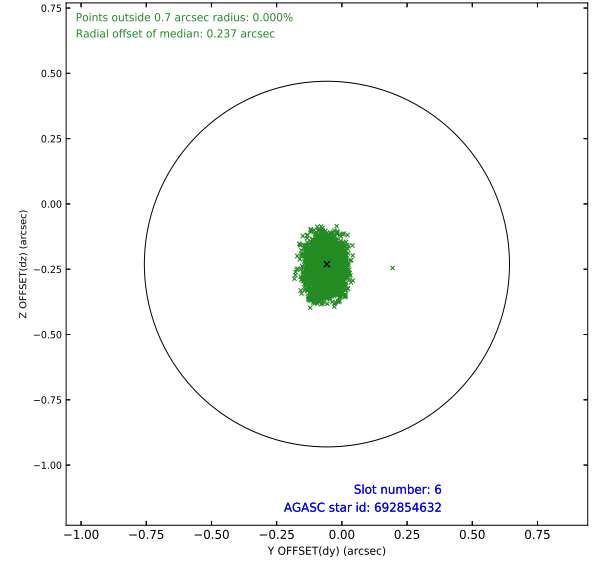
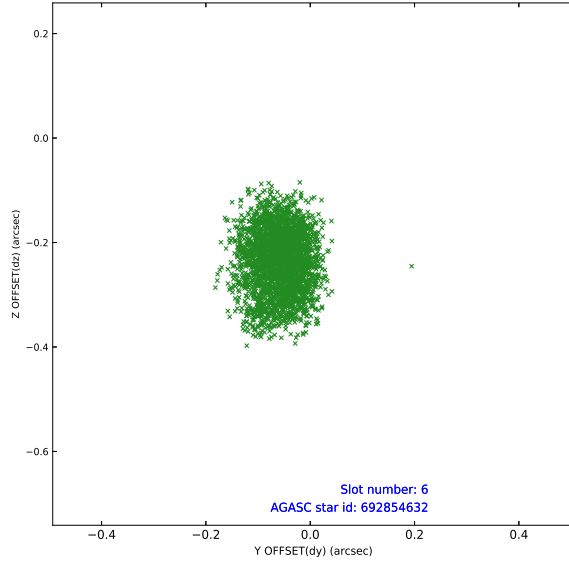
2.4.2 Slot 4



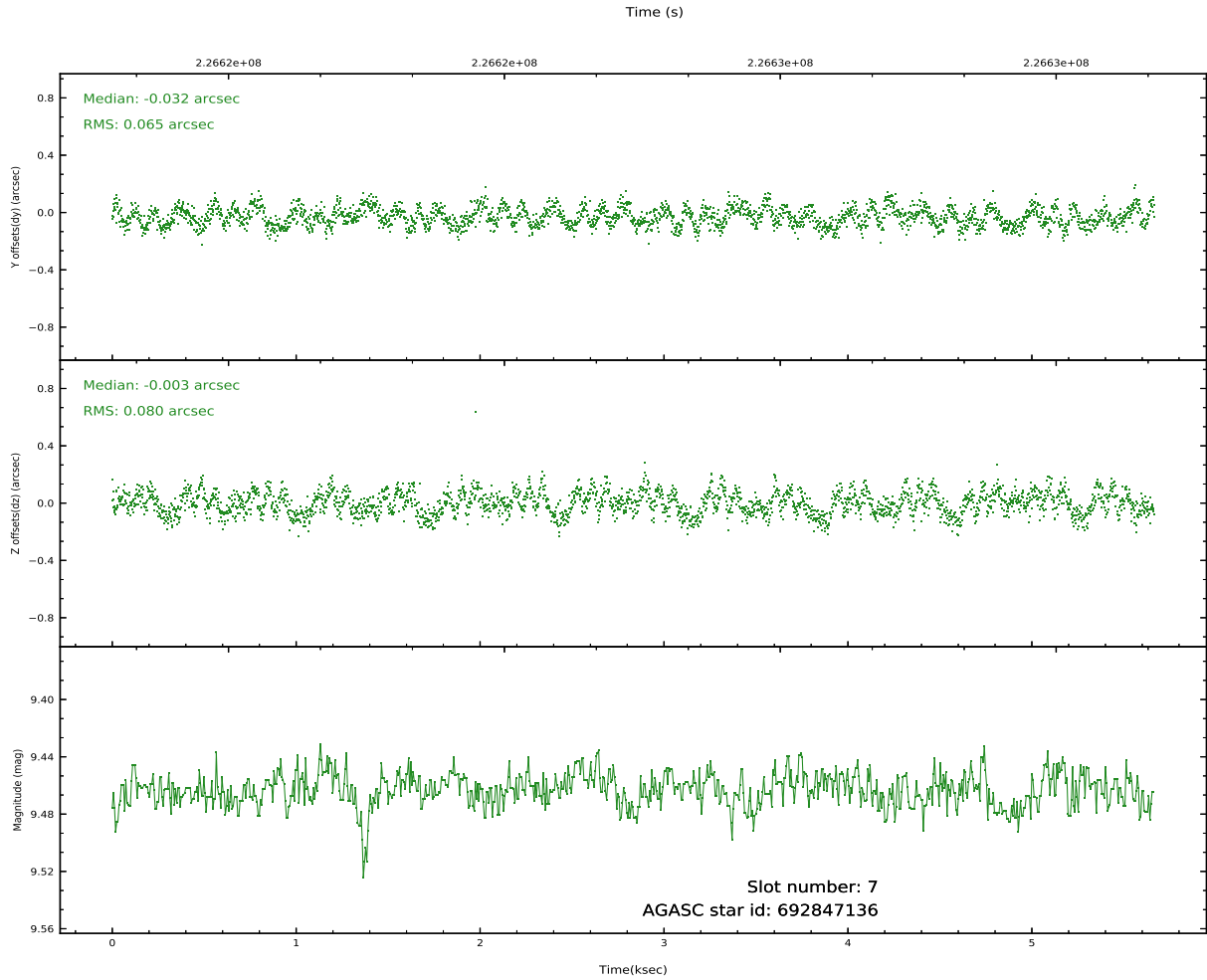
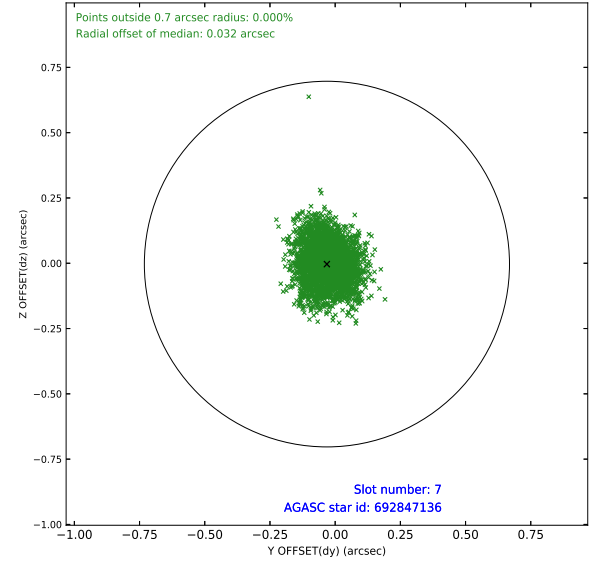
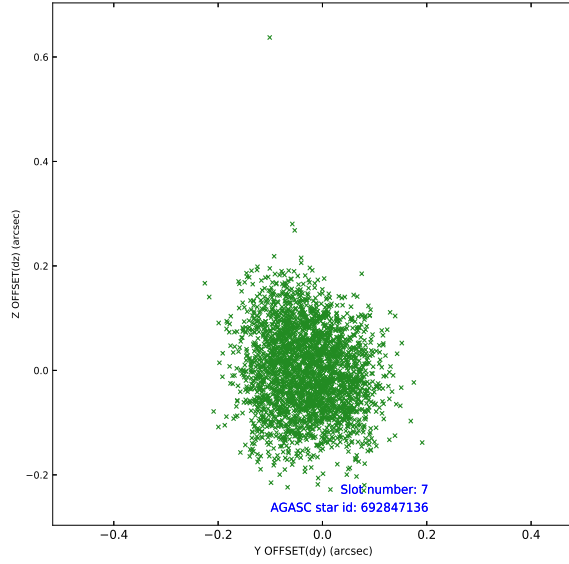
2.4.3 Slot 5



2.4.4 Slot 6

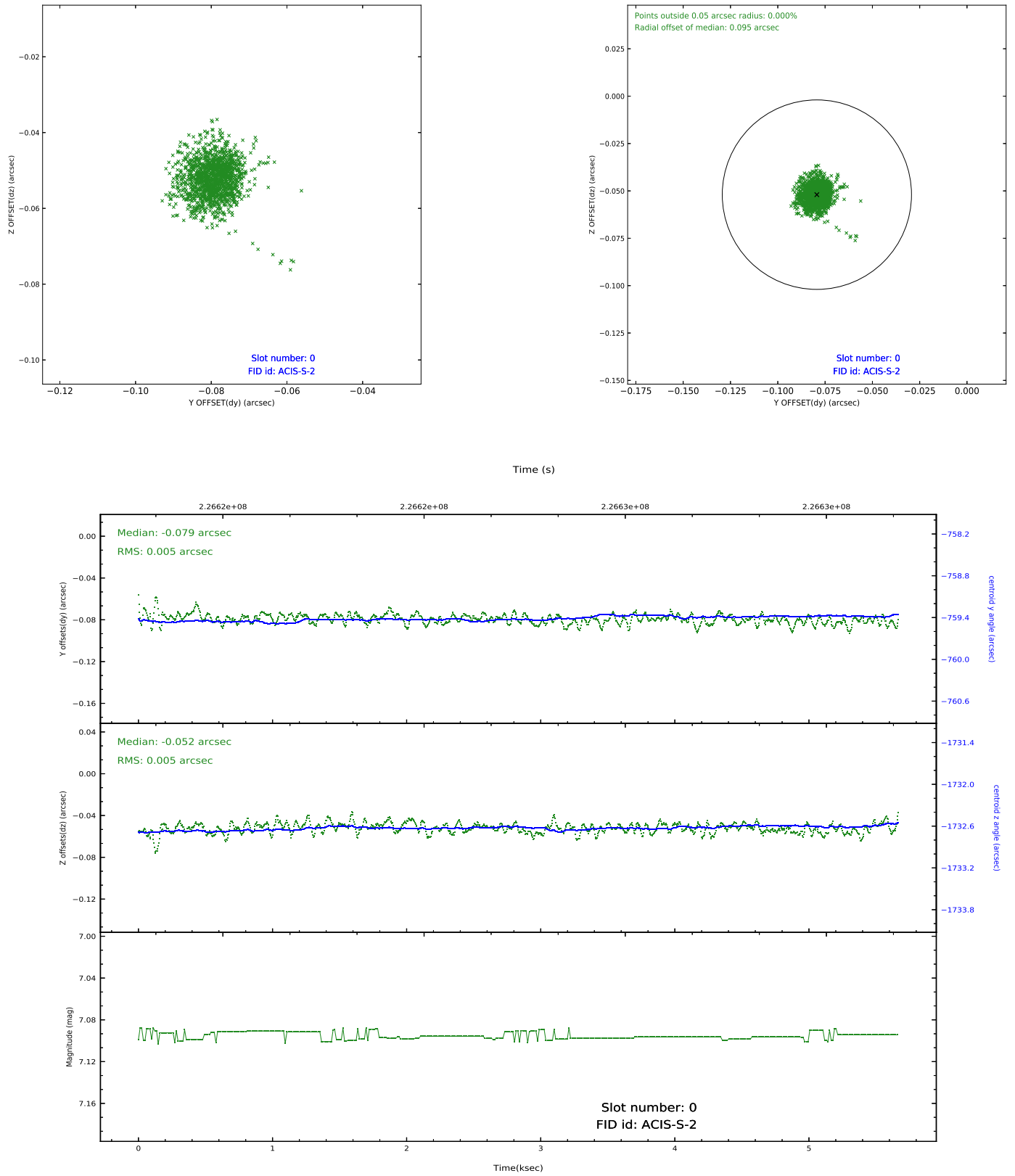


2.4.5 Slot 7

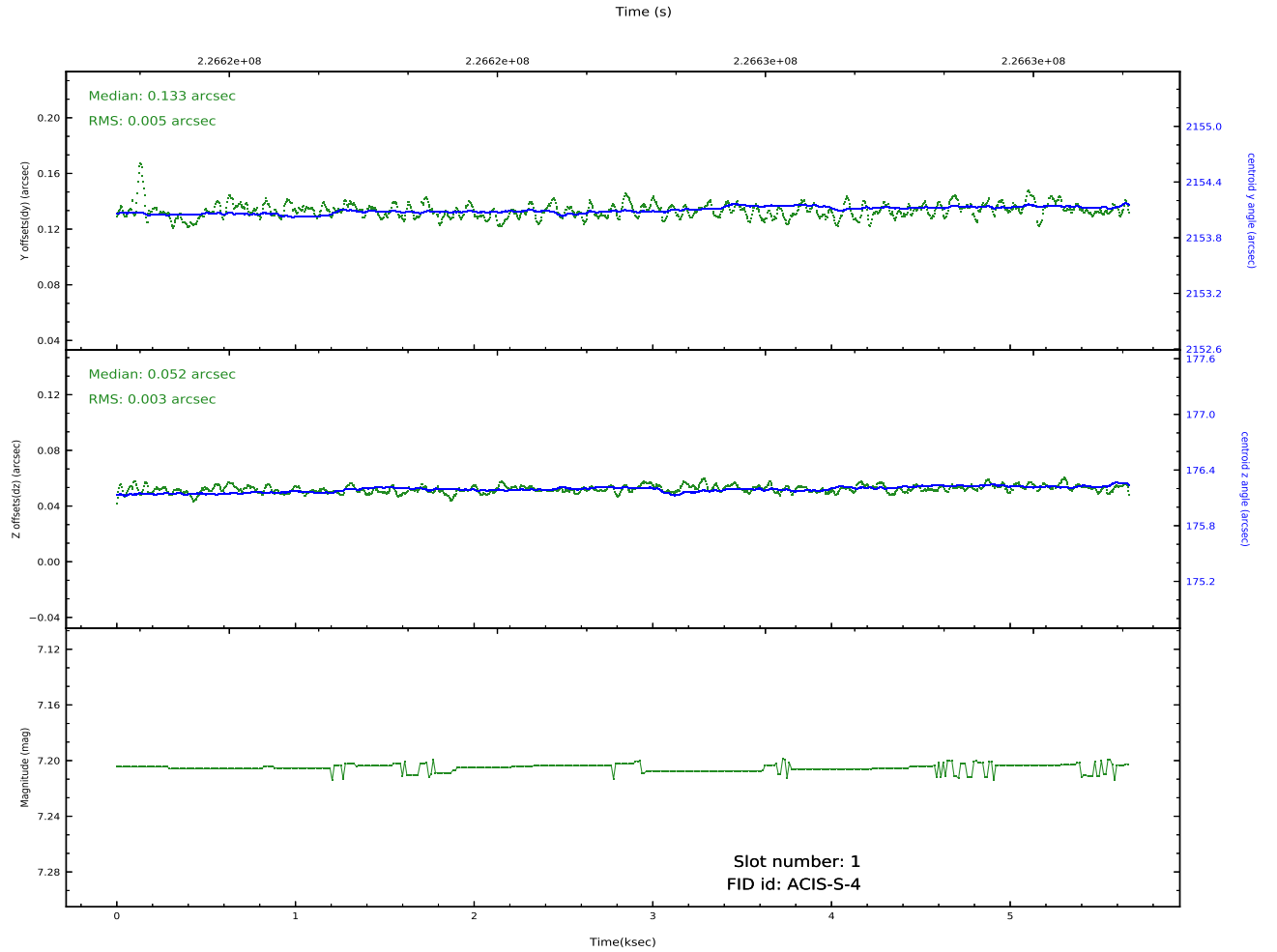
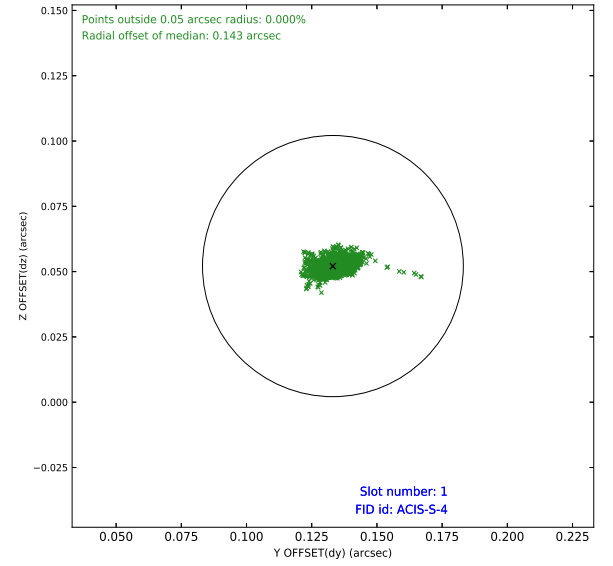
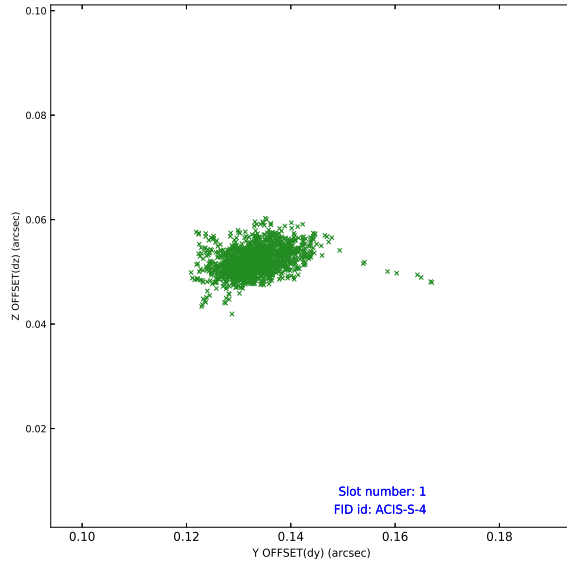


2.5 FID Slots

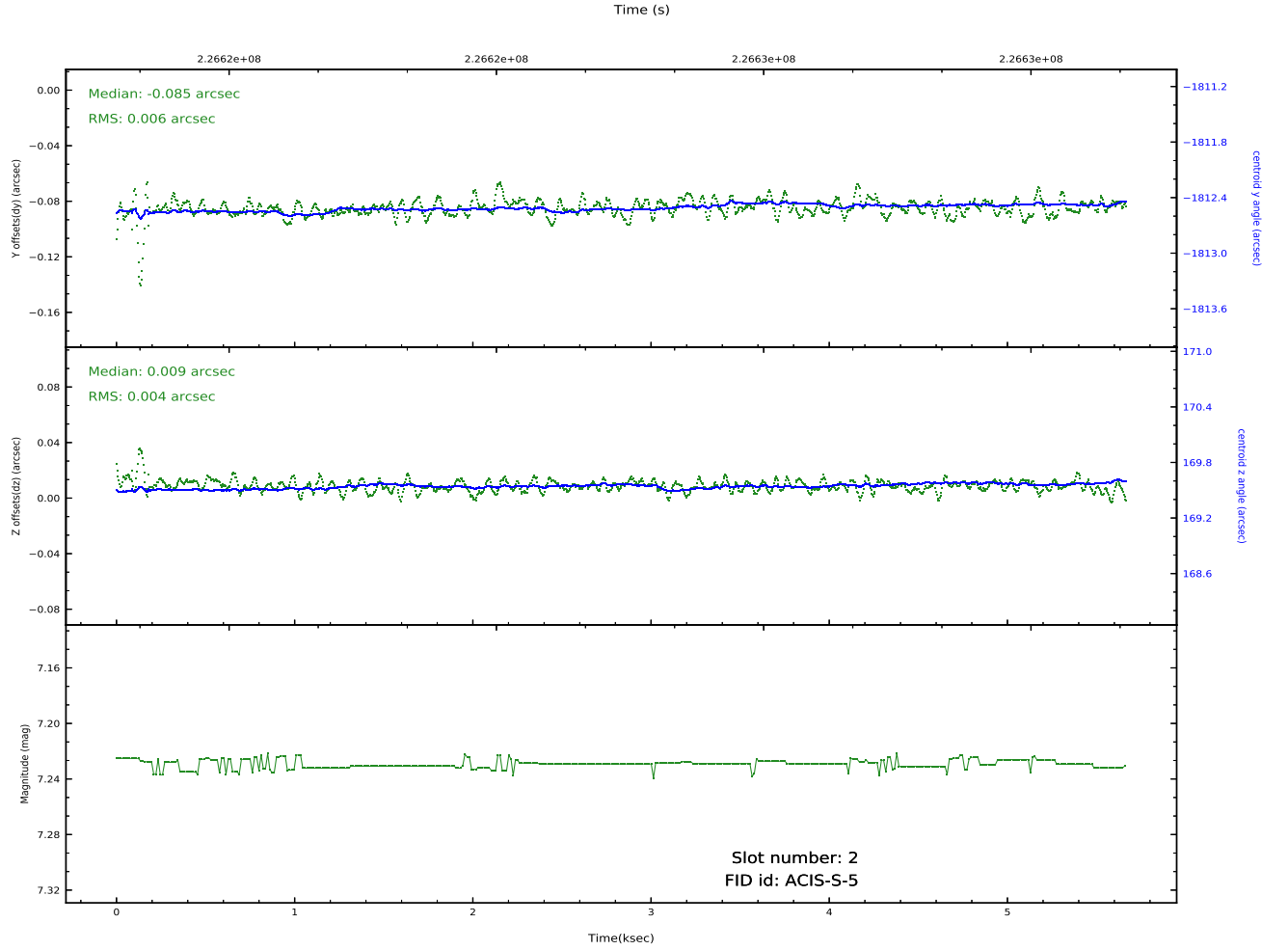
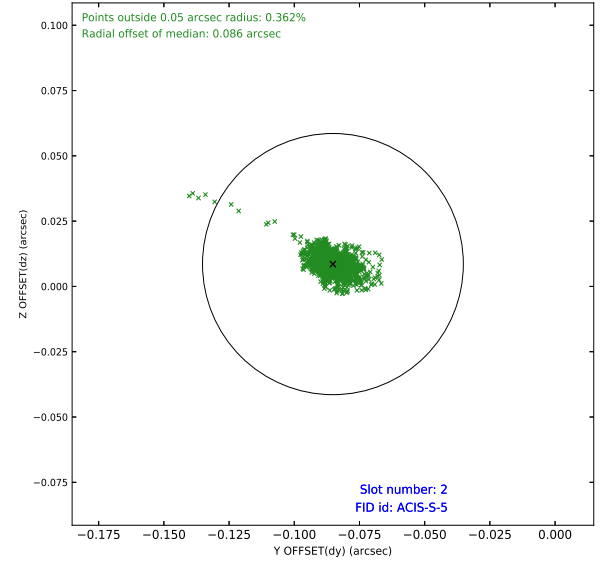
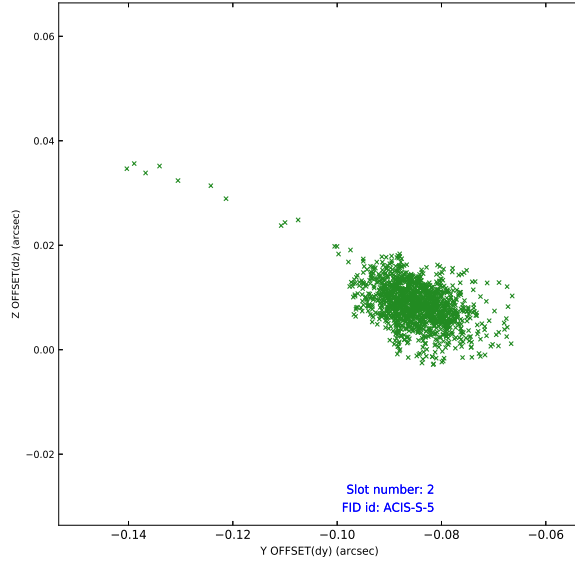
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6676

A.2 Comments