

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4778 - L2 Version 4
Chandra X-Ray Center

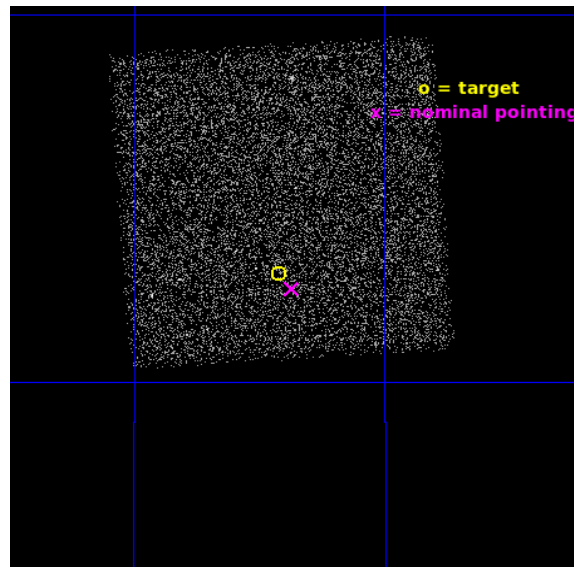
L2 Processing Date : Sep 28 2020

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

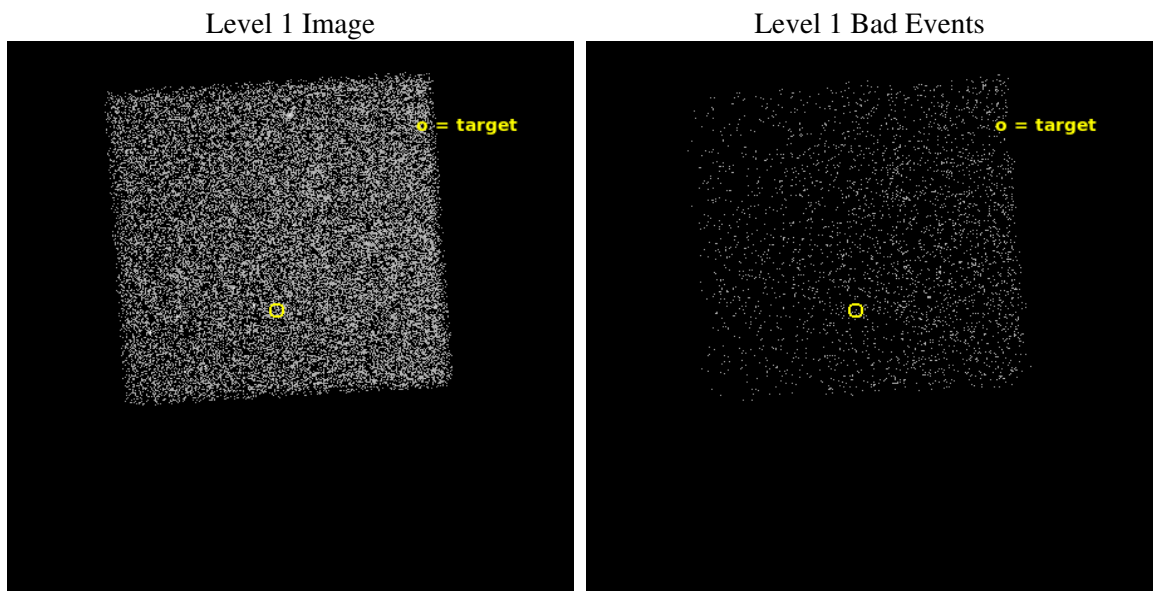
seq_num	700861	Sequence number
obs_id	4778	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	KISS F1320-226	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.1775	Observer's specified target RA [deg]
dec_targ	29.049667	Observer's specified target Dec [deg]
ra_nom	201.17121275656	Nominal RA [deg]
dec_nom	29.042533546847	Nominal Dec [deg]
roll_nom	266.21233726577	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4146.0	Sum of GTIs [s]
livetime	4090.0481414253	Livetime [s]
ontime7	4146.0	Sum of GTIs [s]
l2events	15676	Number of level 2 events



2 OBI

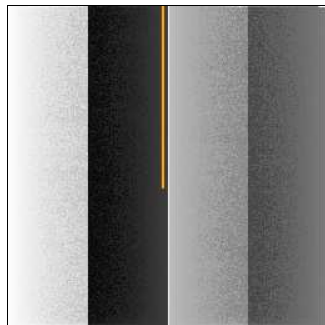
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4146.0	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	4146.0	Sum of GTIs [s]
date	2020-09-28T05:50:48	Date and time of file creation	l1events	37903	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

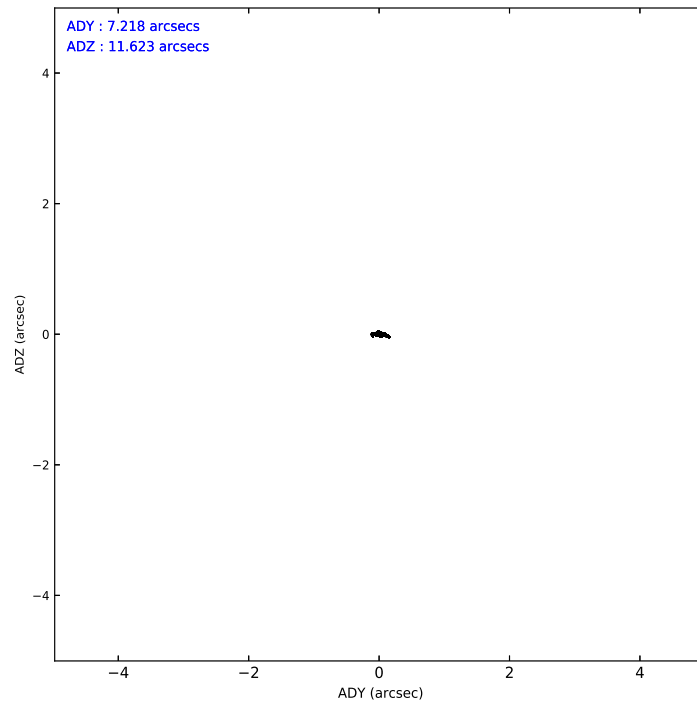
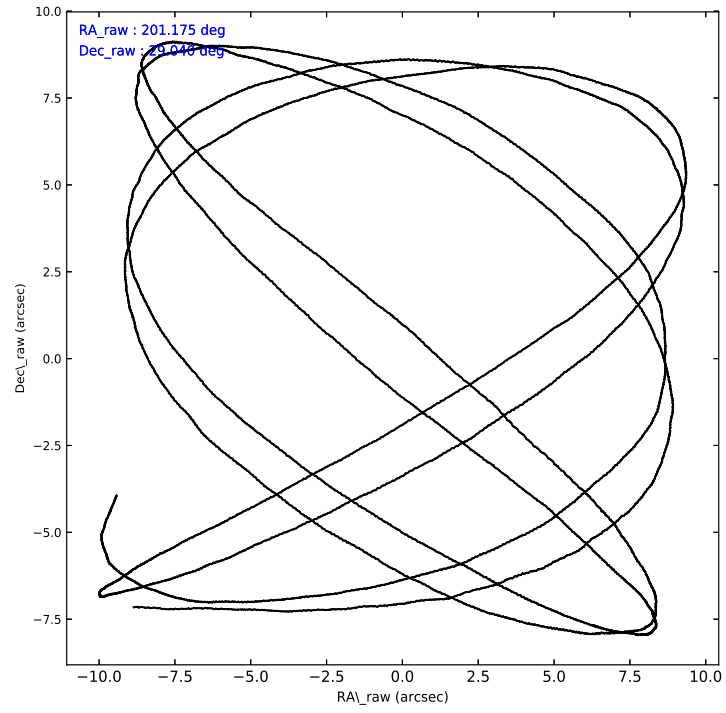
	ccd 7
level 1 events	37903
rejected events	21750
rejected %	57%

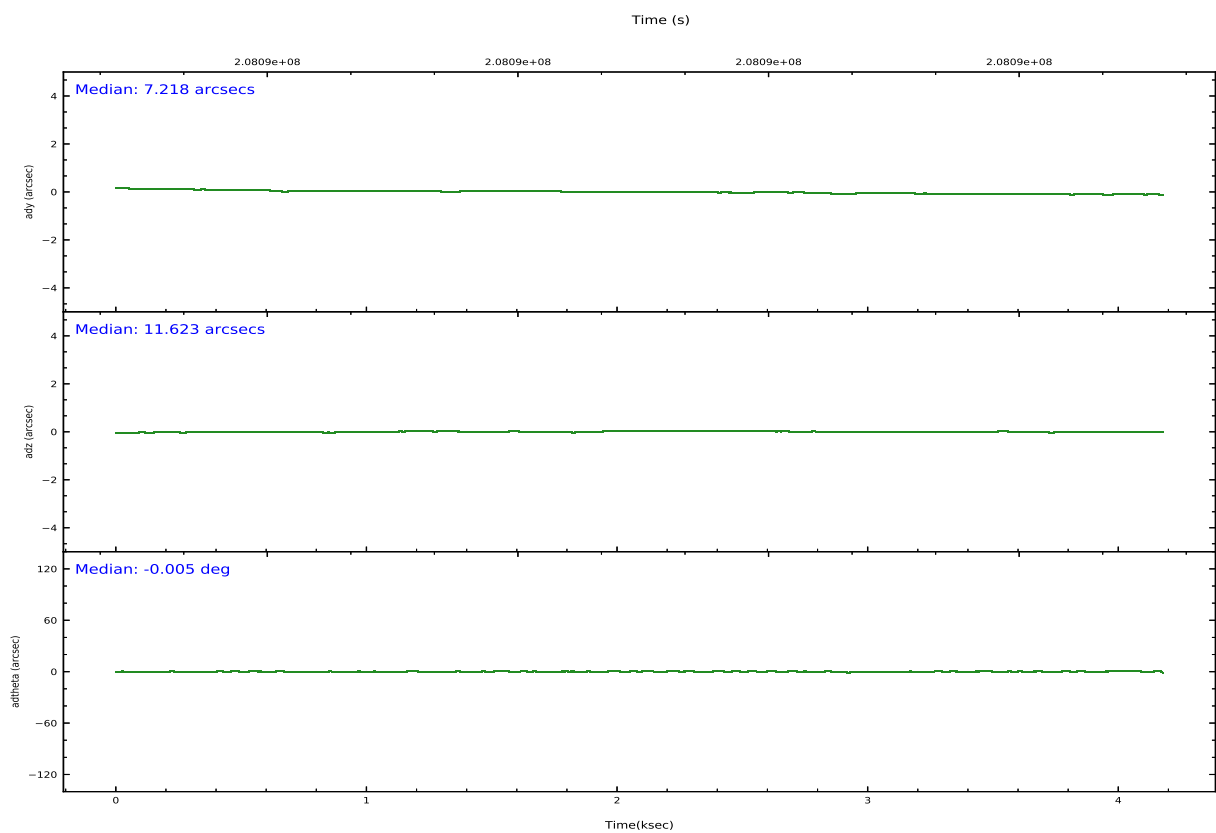
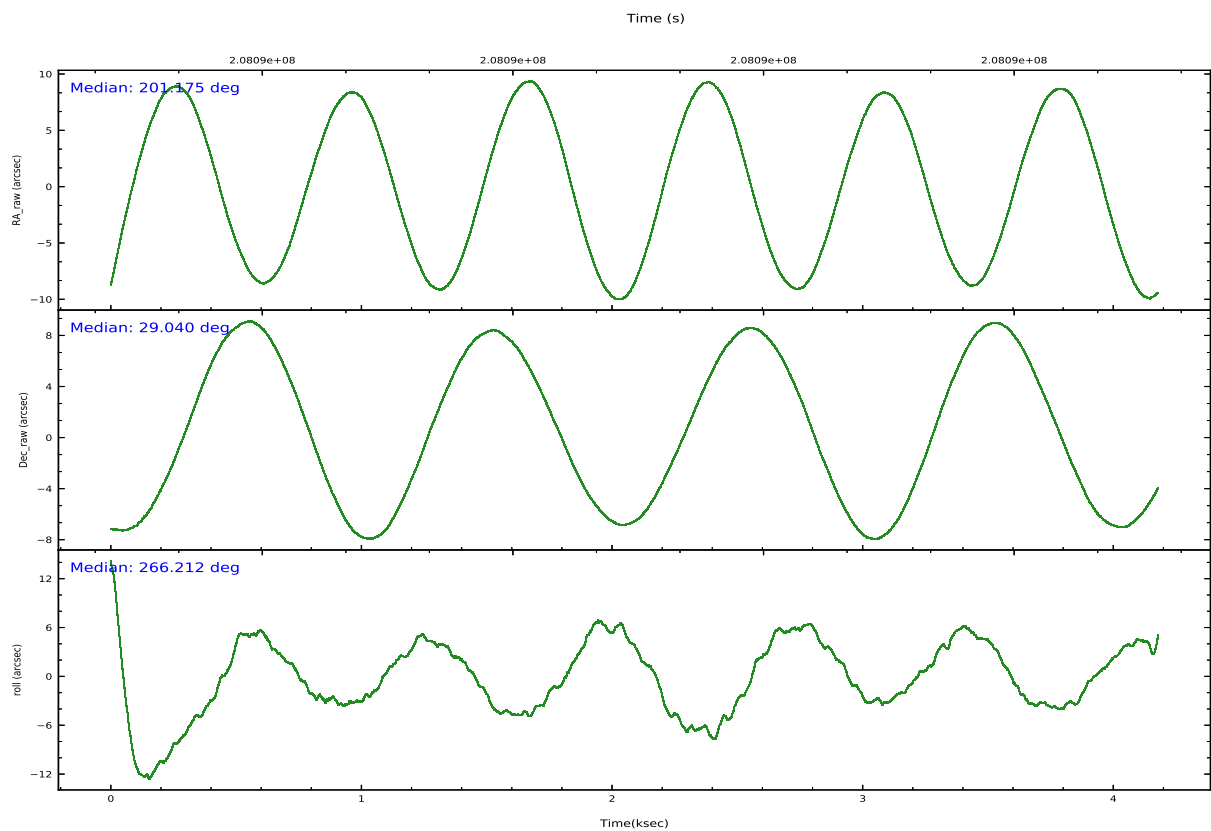
	ccd 7
grade 0 events	1516
	3%
grade 1 events	30
	0%
grade 2 events	3201
	8%
grade 3 events	1460
	3%
grade 4 events	1424
	3%
grade 5 events	3747
	9%
grade 6 events	8577
	22%
grade 7 events	17948
	47%

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	201.160701	201.17121275656	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.064540	29.042533546847	Alternating exposures requested	N	N
[deg] Pointing Roll	266.064479	266.21233726577	[s] Primary exposure time	0.000000	3
[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)	208087575.184000	208086862.61231			
Observation start date	2004-08-05T10:05:11	2004-08-05T09:54:22			
[s] Observation end time (MET)	208091575.184000	208092343.28756			
Observation end date	2004-08-05T11:11:51	2004-08-05T11:25:43			
Read mode	TIMED	TIMED			

2.3 Aspect



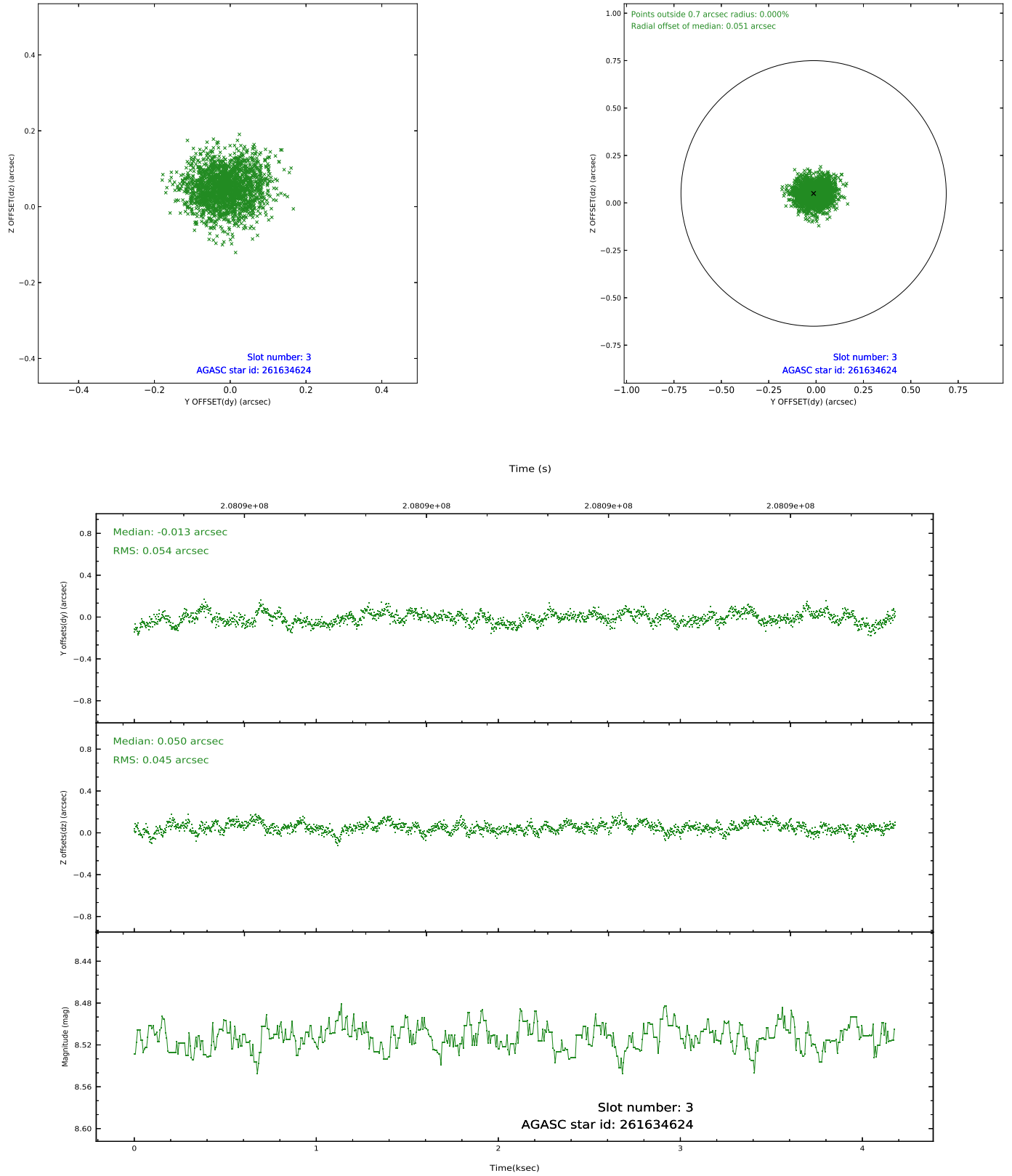


Slot Statistics

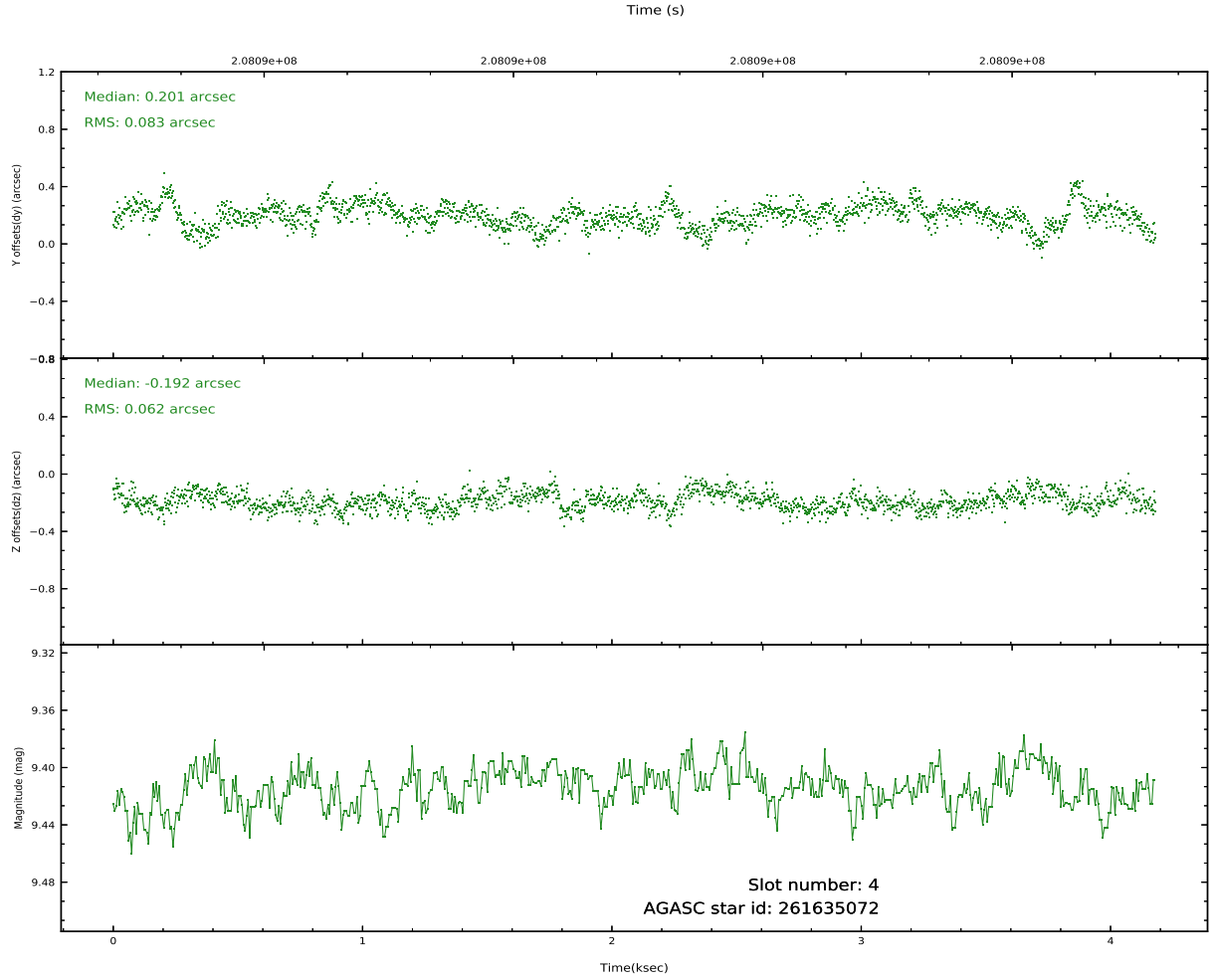
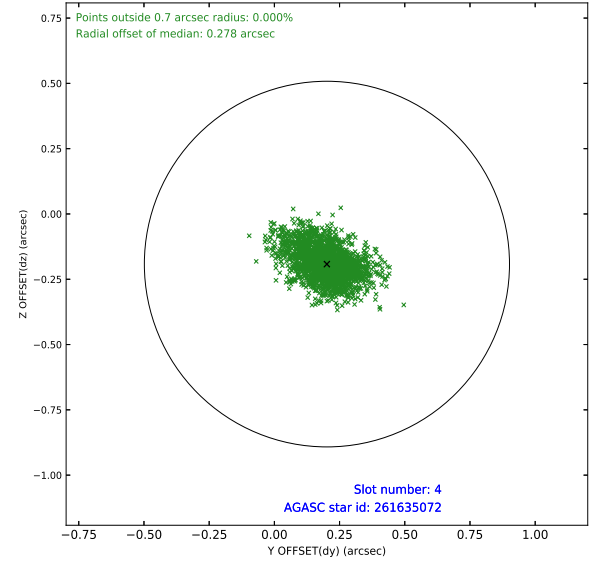
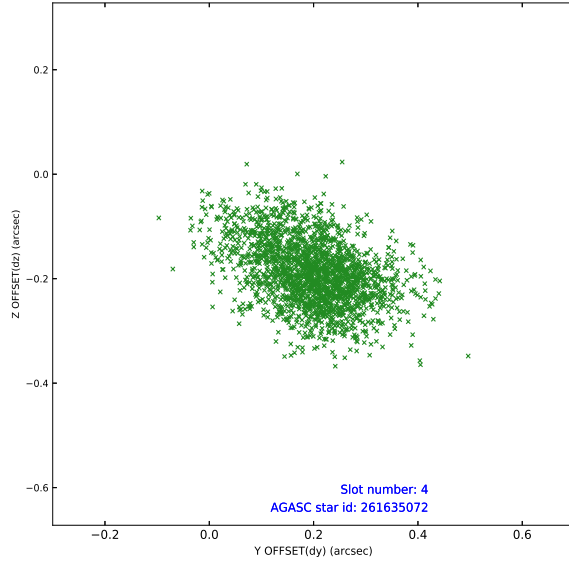
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1020	1.000	-0.059	-0.049	0.008	0.012	0.000000	0.000000	-759.99	-1732
1	FID		ACIS-S-4	7.20	1020	1.000	0.116	0.041	0.006	0.011	0.000000	0.000000	2152.75	174
2	FID		ACIS-S-5	7.23	1020	1.000	-0.089	0.016	0.008	0.014	0.000000	0.000000	-1810.99	169
3	GUIDE	used	261634624	8.51	2040	1.000	-0.013	0.050	0.075	0.121	200.748061	28.522128	2035.58	-1168
4	GUIDE	used	261635072	9.41	2039	1.000	0.201	-0.192	0.108	0.188	200.638913	28.520080	2066.54	-1513
5	GUIDE	used	261635280	9.42	2039	1.000	0.031	-0.138	0.100	0.165	200.698979	28.862615	823.60	-1403
6	GUIDE	used	262538384	10.08	2038	1.000	-0.053	0.147	0.145	0.255	201.107455	29.696999	-2259.70	-323
7	GUIDE	used	262541040	8.12	2039	1.000	-0.157	0.139	0.078	0.122	201.795177	28.874292	539.12	2042

2.4 Star Slots

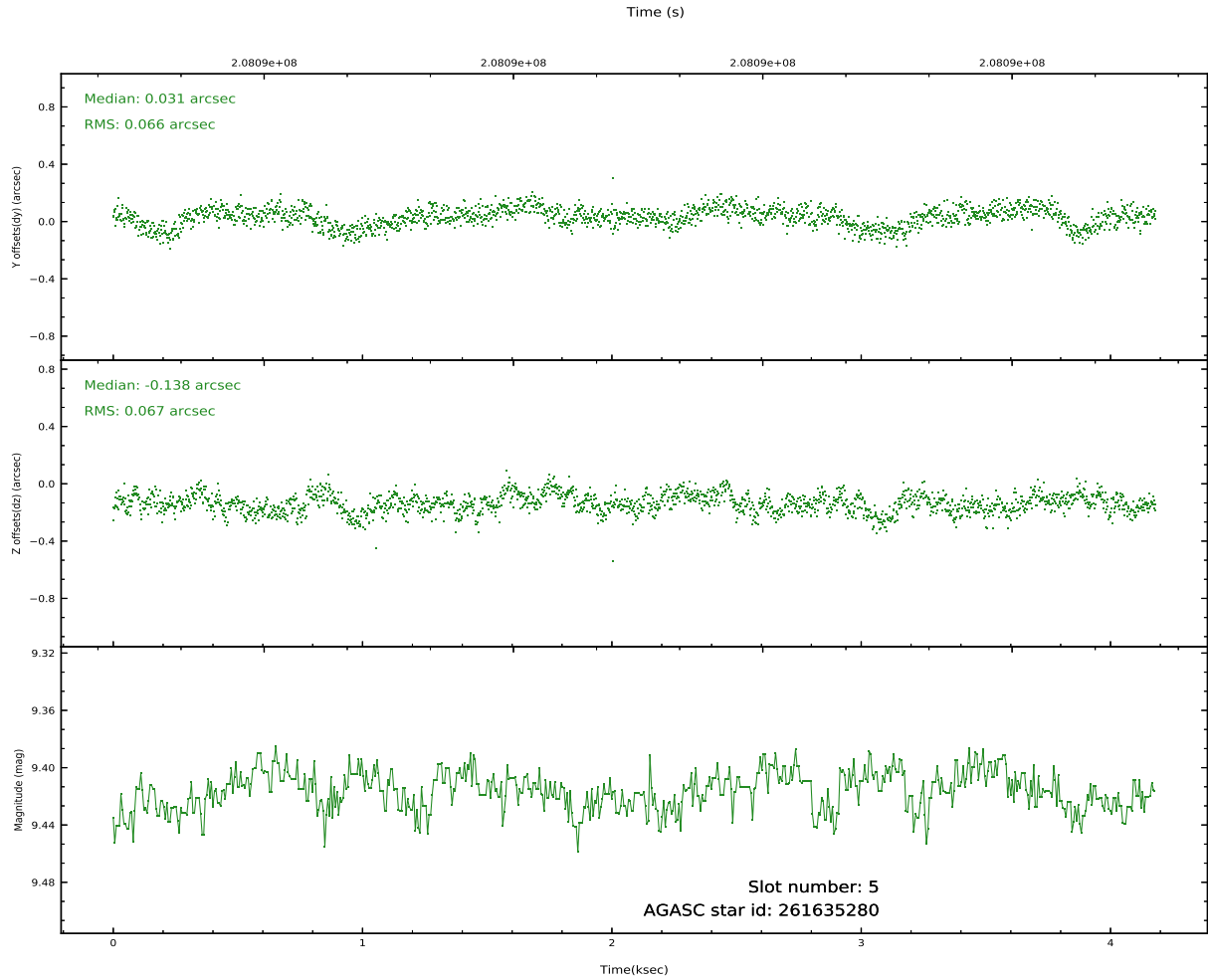
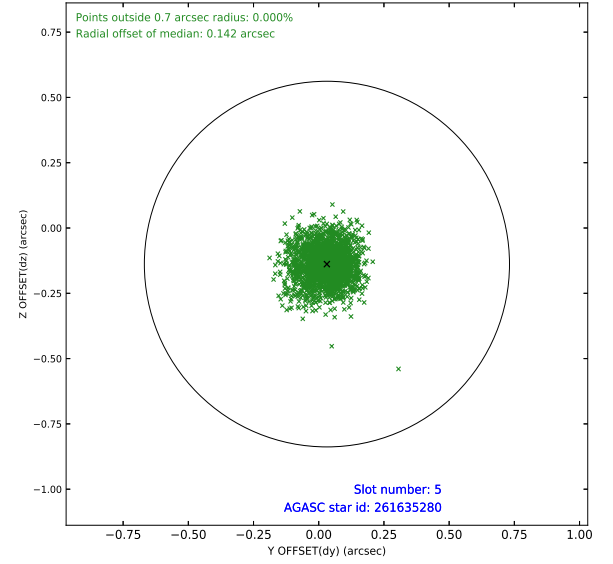
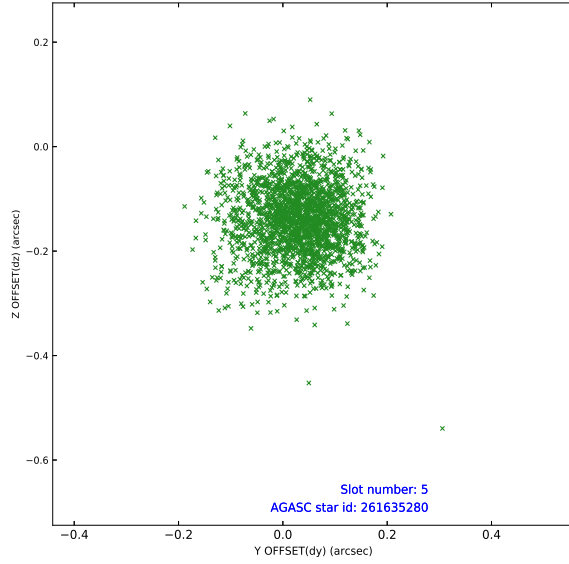
2.4.1 Slot 3



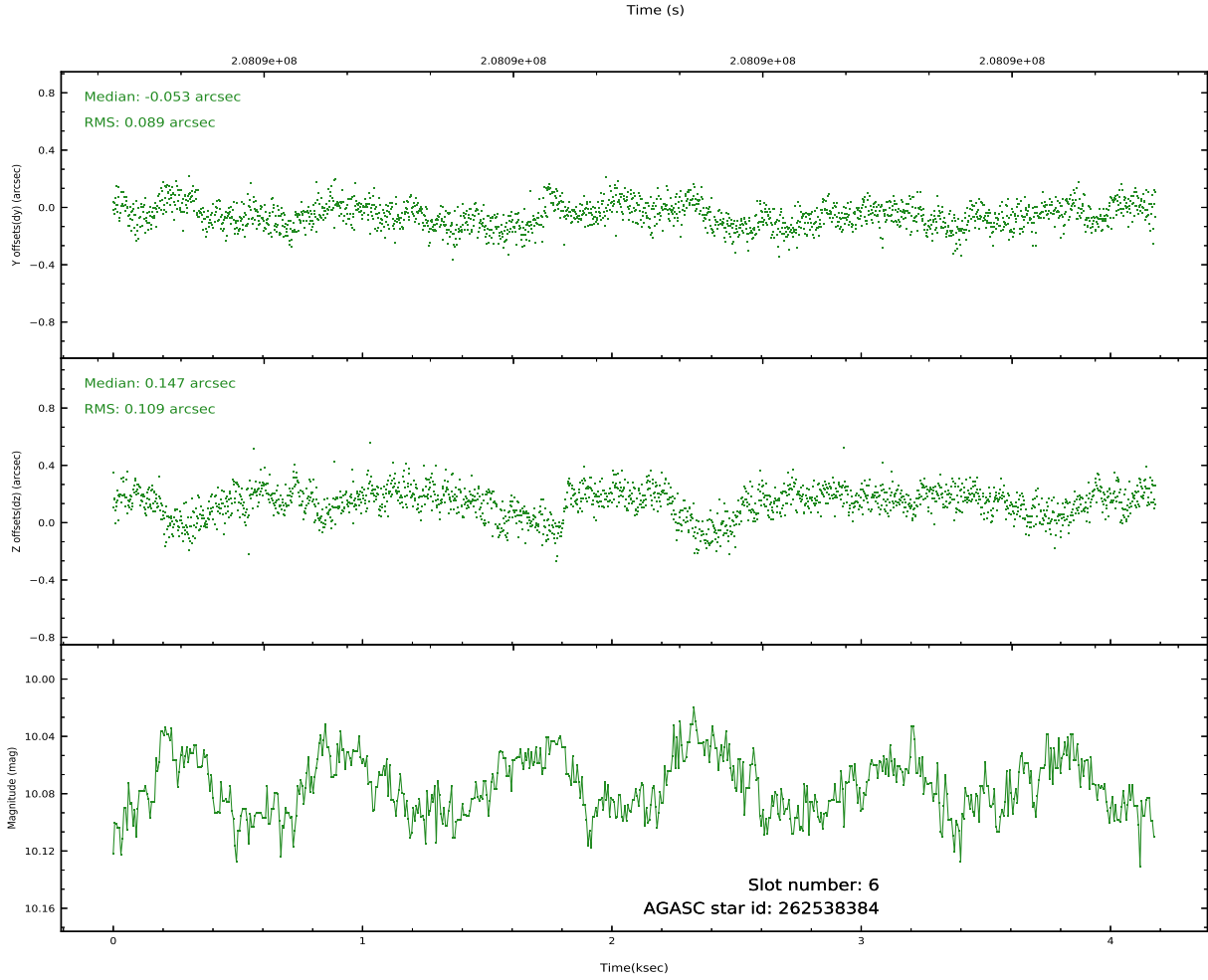
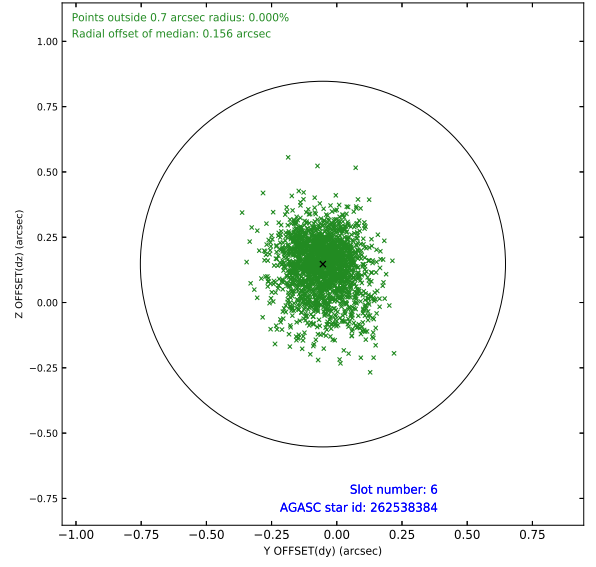
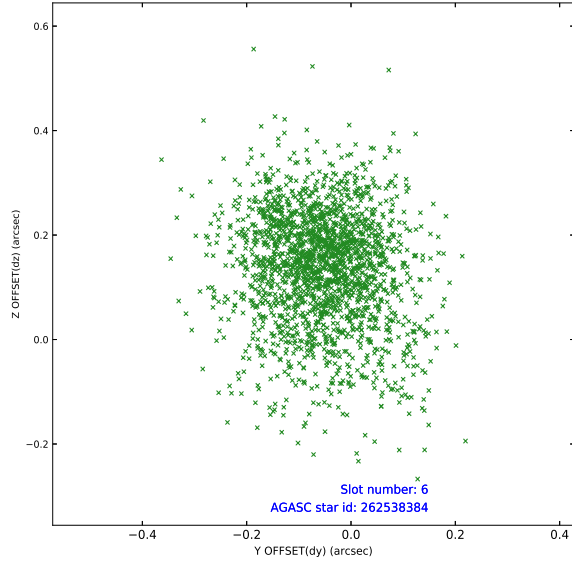
2.4.2 Slot 4



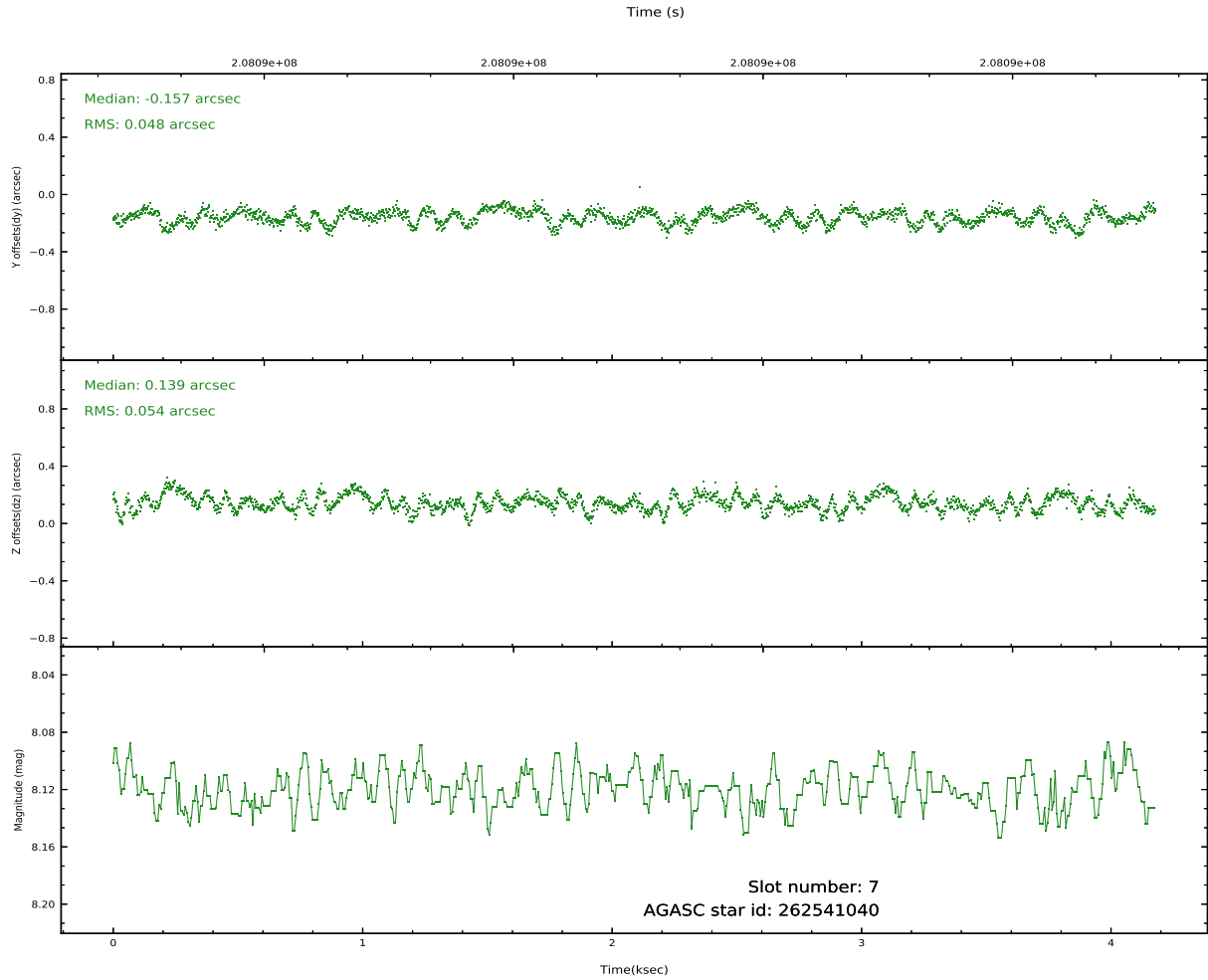
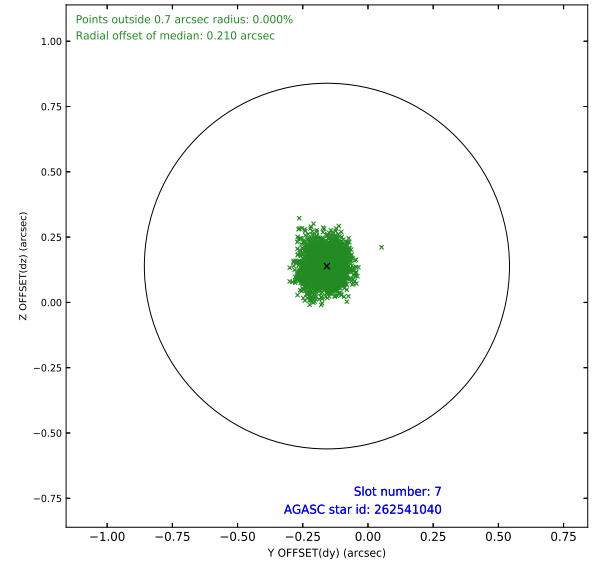
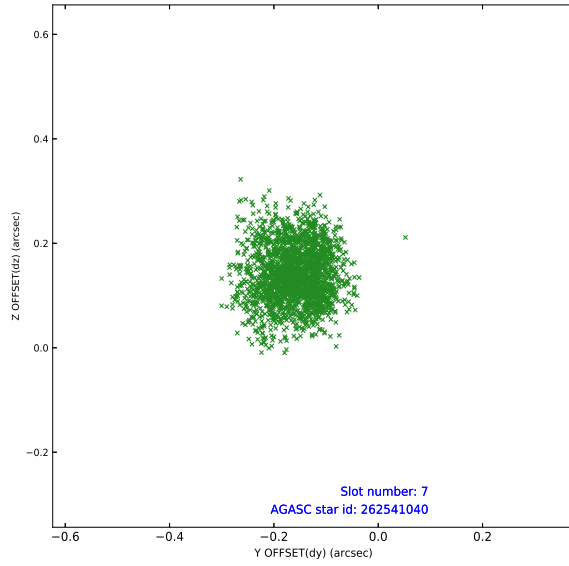
2.4.3 Slot 5



2.4.4 Slot 6

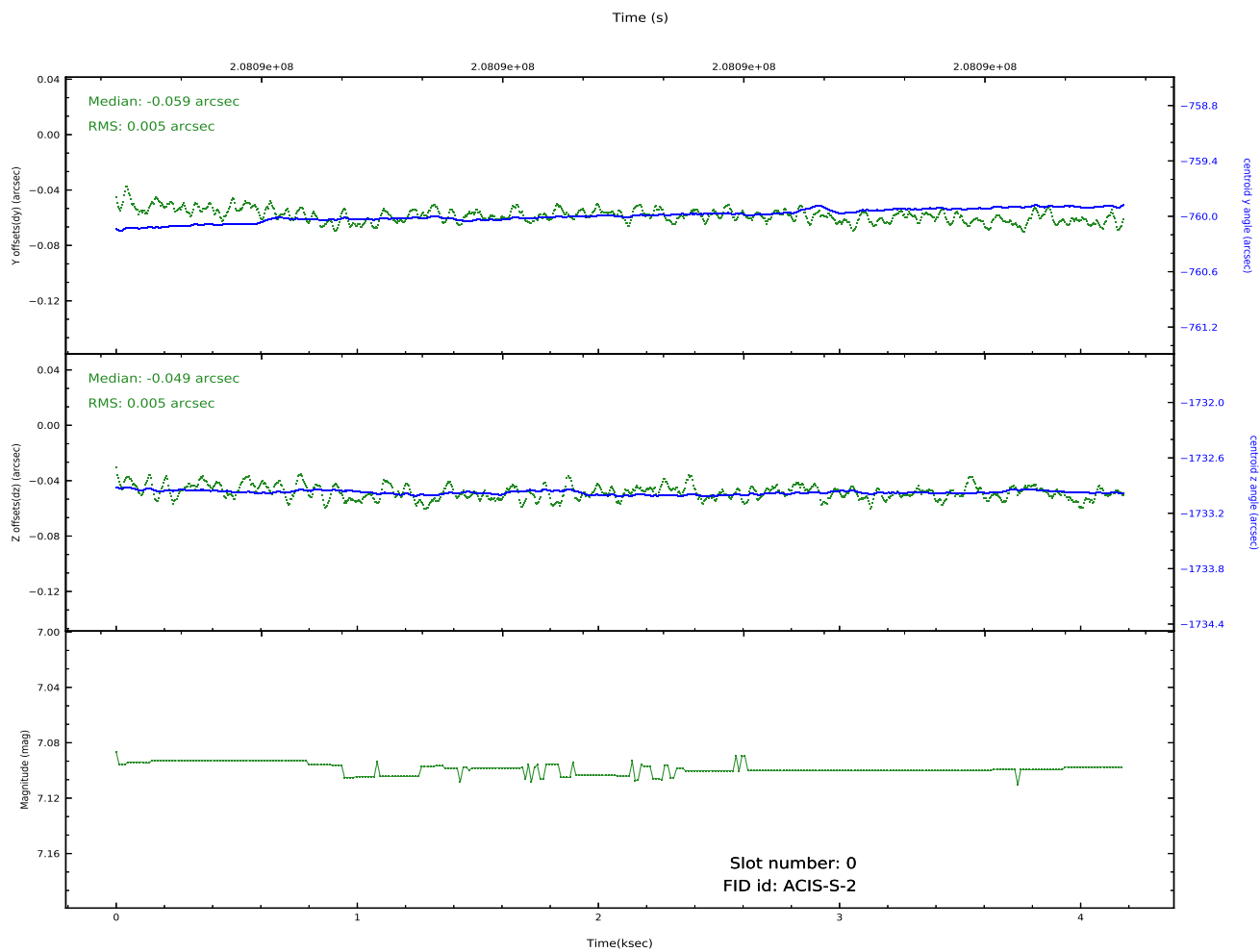
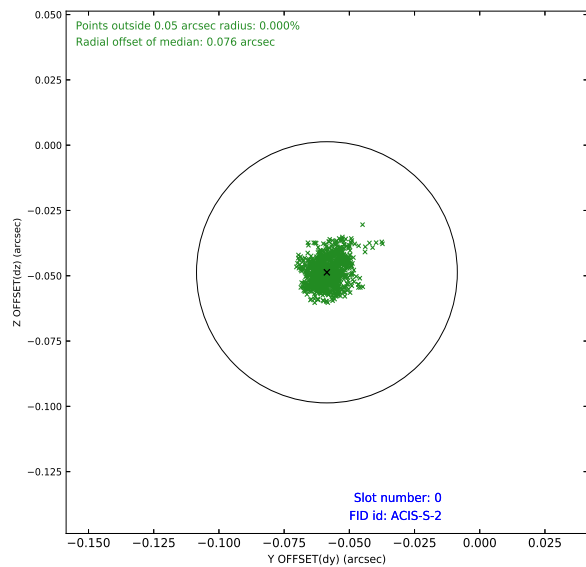
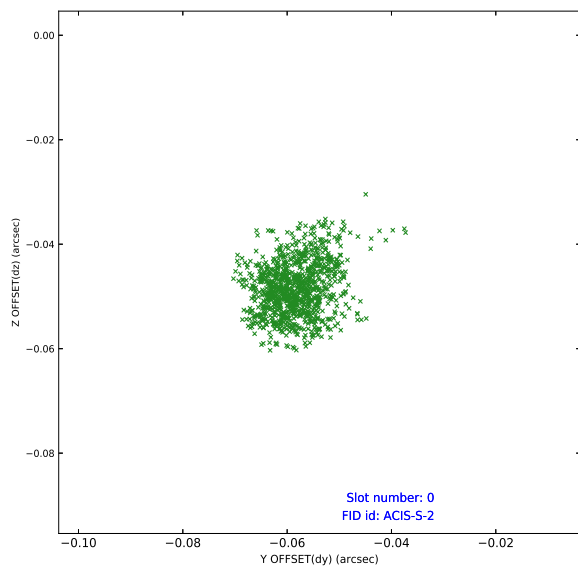


2.4.5 Slot 7

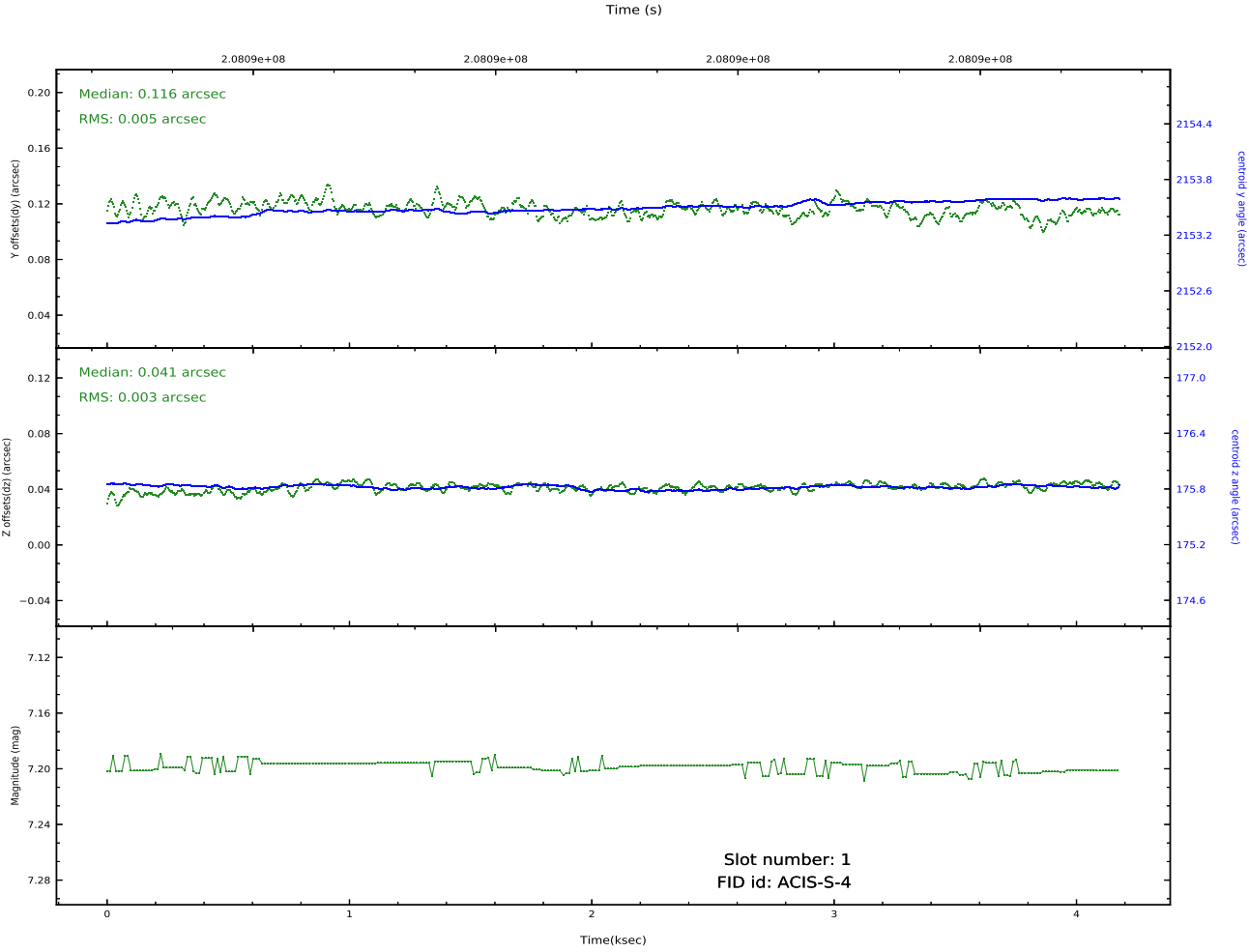
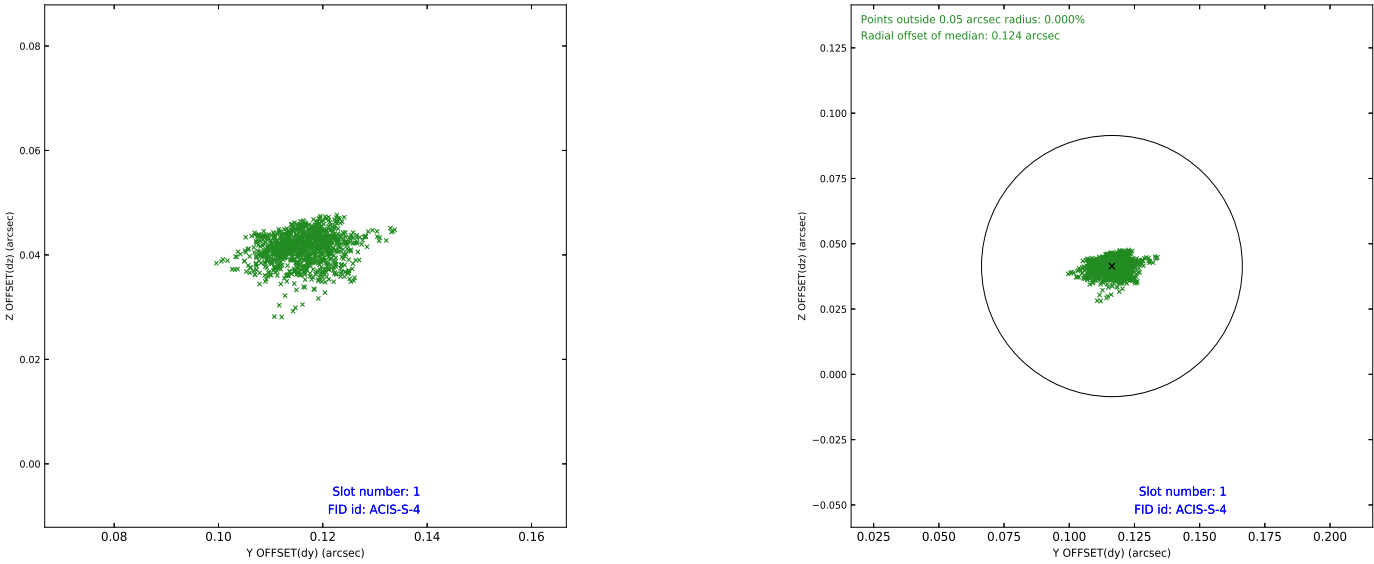


2.5 FID Slots

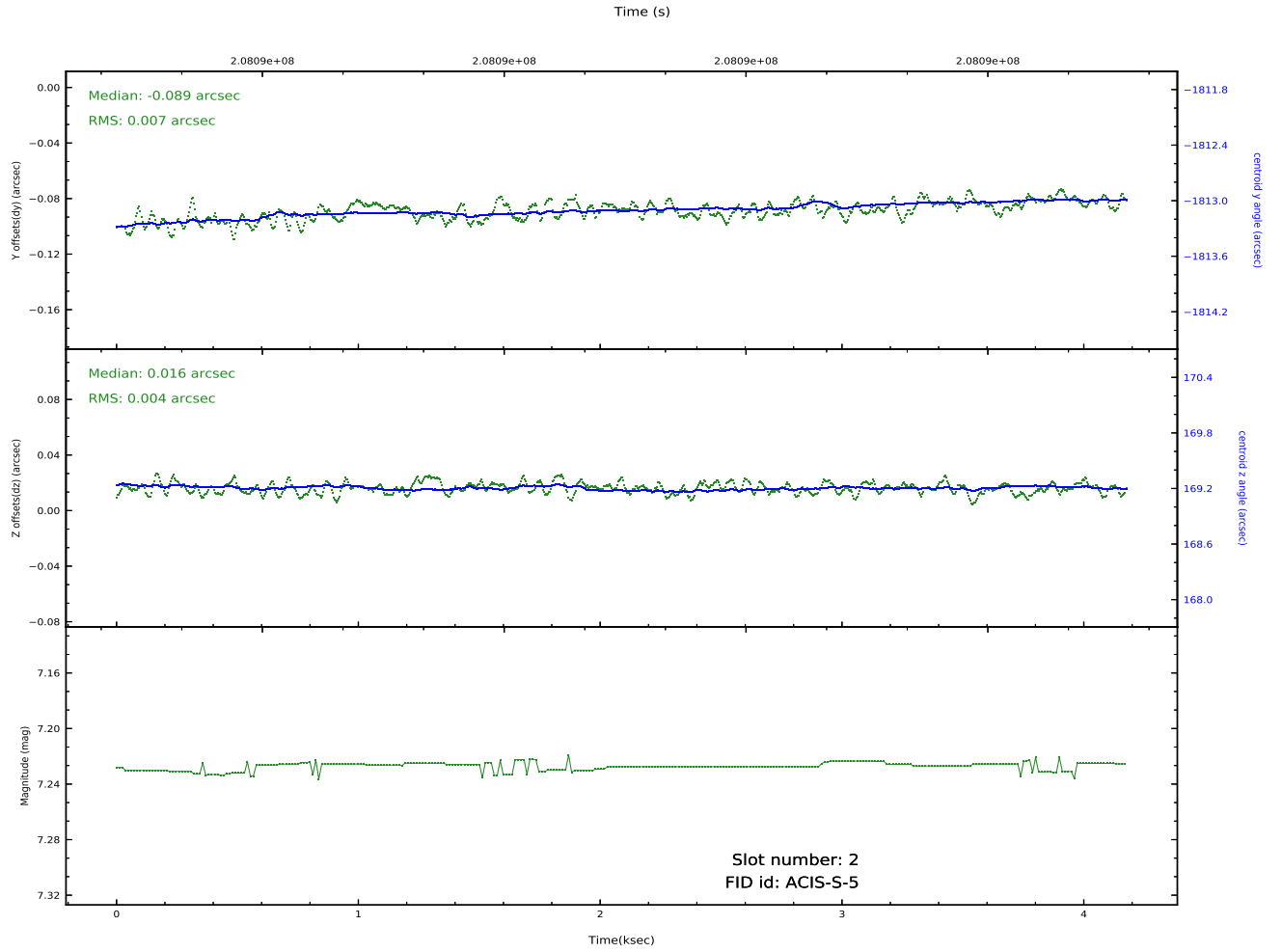
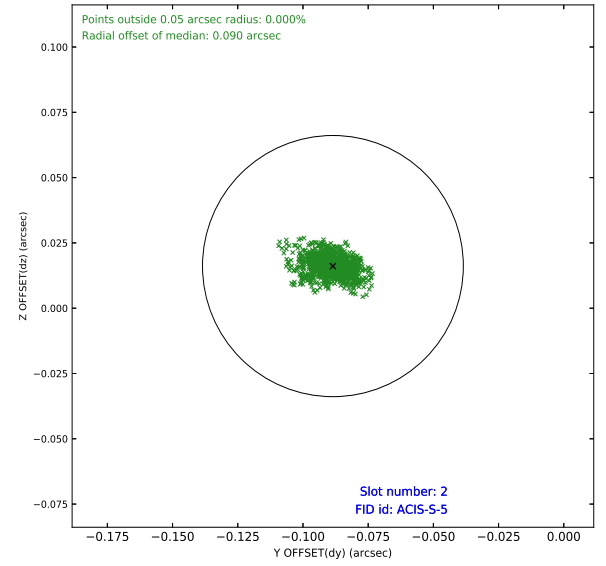
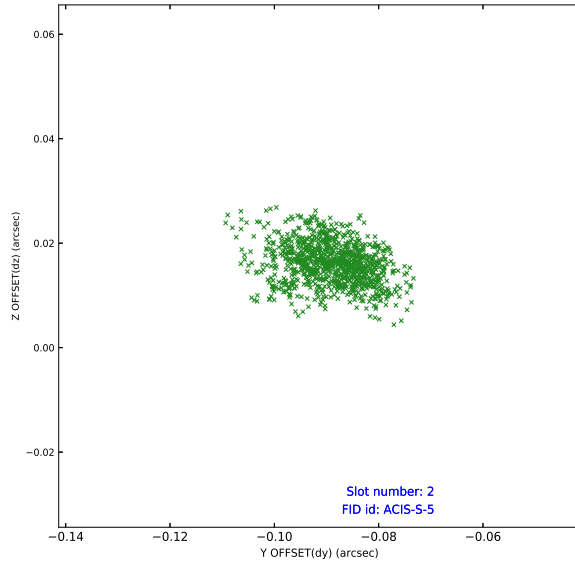
2.5.1 Slot 0



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.146

A.2 Comments