

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5662 - L2 Version 6
Chandra X-Ray Center

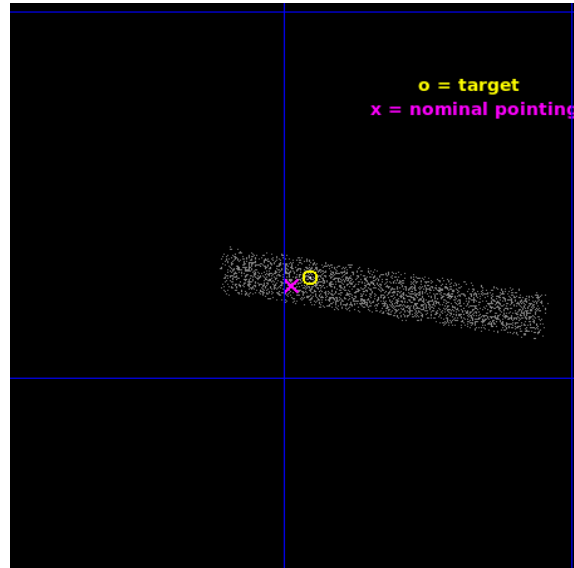
L2 Processing Date : Oct 6 2020

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

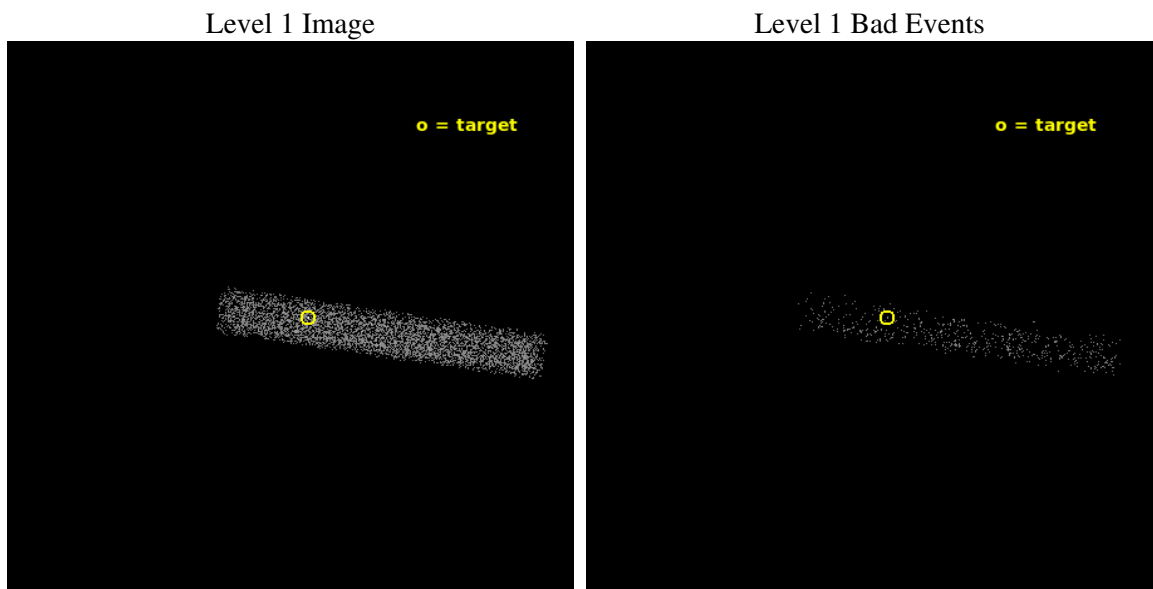
seq_num	701085	Sequence number
obs_id	5662	Observation id
title	X-ray Properties of AGNs with Intermediate-mass Black Holes	Propos
observer	Dr. Luis Ho	Principal investigator
object	SDSS J101627.32-000714.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.11375	Observer's specified target RA [deg]
dec_targ	-0.120694	Observer's specified target Dec [deg]
ra_nom	154.12168477377	Nominal RA [deg]
dec_nom	-0.12457047531039	Nominal Dec [deg]
roll_nom	8.6253748012725	Nominal Roll [deg]
revision	6	Processing version of data
ontime	5123.6000763178	Sum of GTIs [s]
livetime	4646.8348234335	Livetime [s]
ontime7	5123.6000763178	Sum of GTIs [s]
l2events	3157	Number of level 2 events



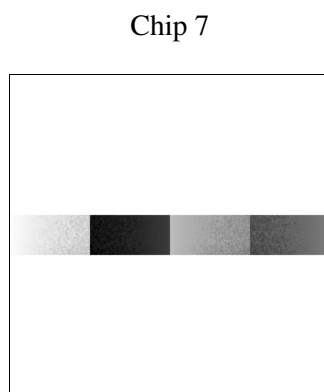
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



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	5123.6000763178	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	5123.6000763178	Sum of GTIs [s]
date	2020-10-06T21:26:48	Date and time of file creation	l1events	8339	Number of level 1 events
revision	6	Processing version of data			

2.1.4 Events

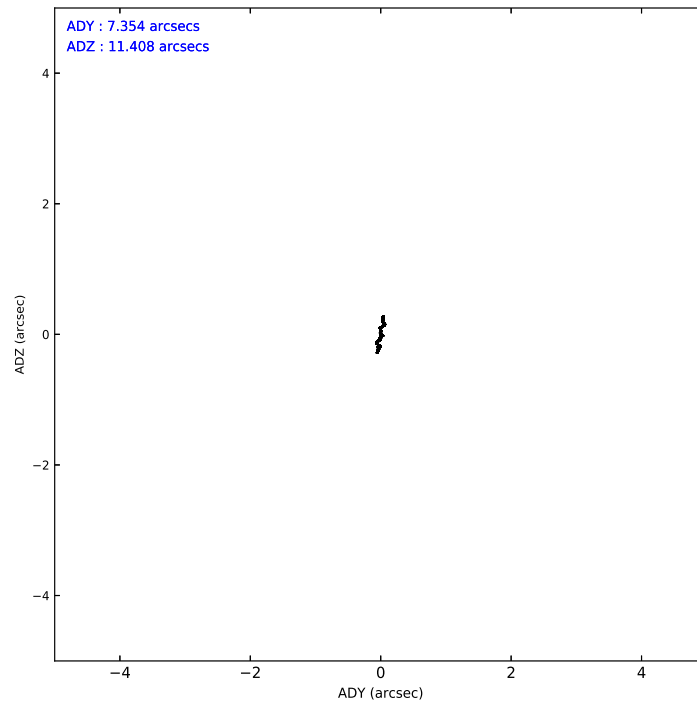
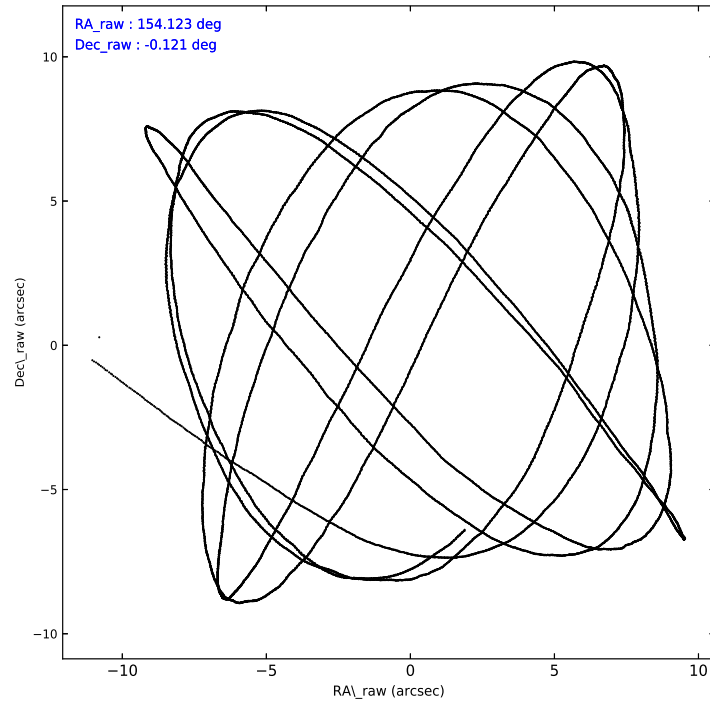
	ccd 7
level 1 events	8339
rejected events	5057
rejected %	60%

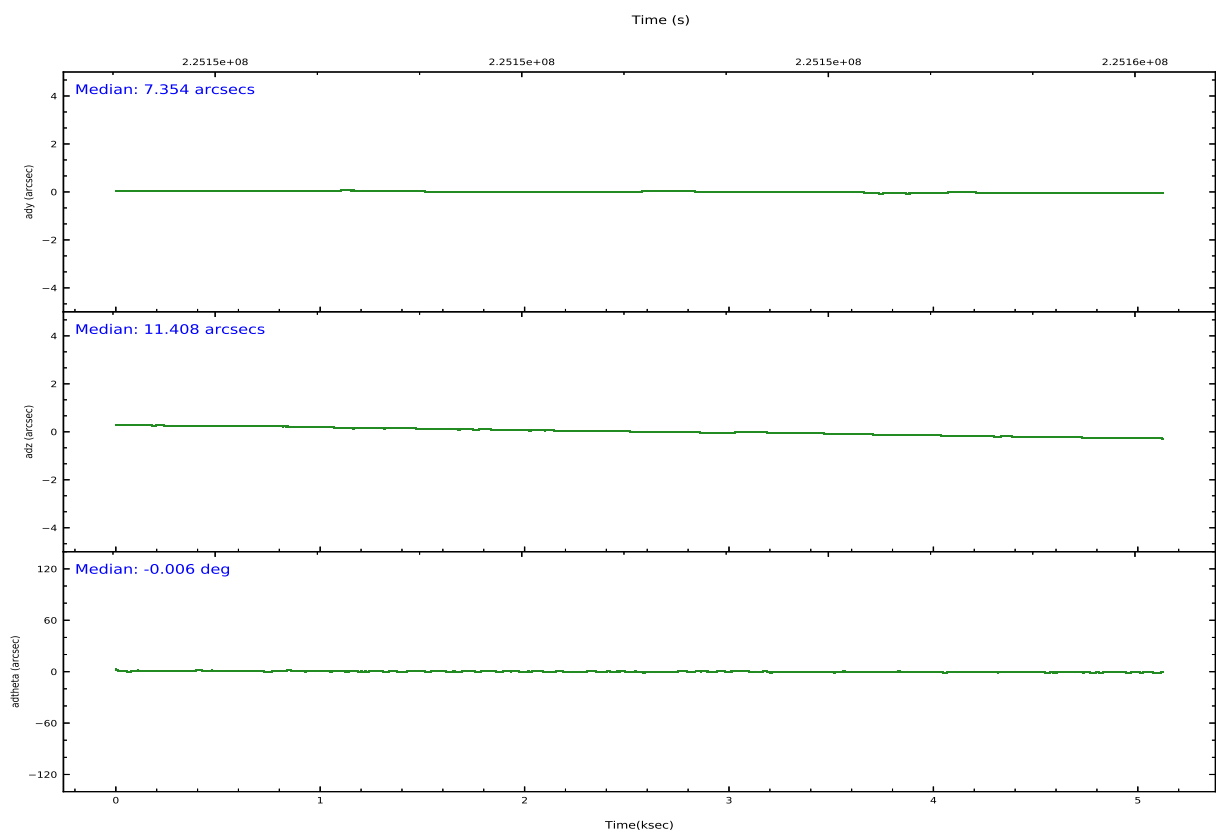
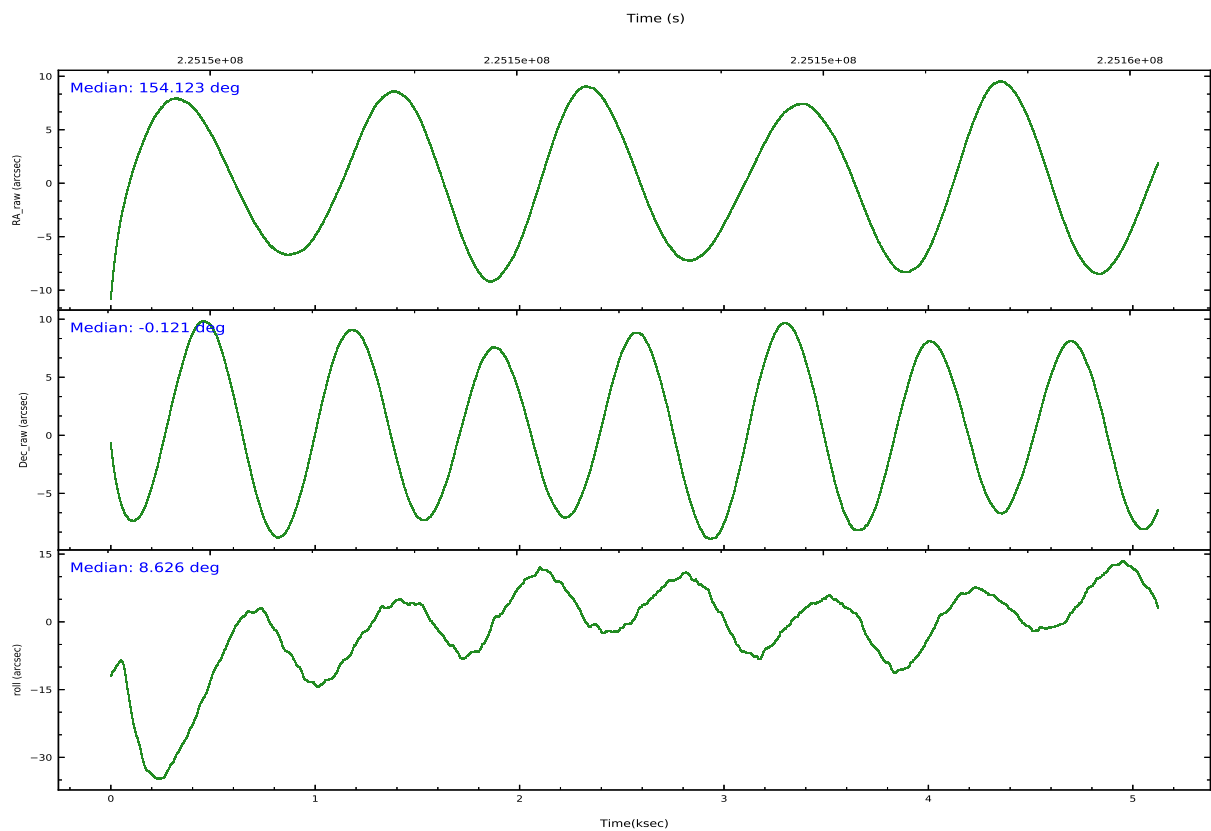
	ccd 7
grade 0 events	477
	5%
grade 1 events	8
	0%
grade 2 events	726
	8%
grade 3 events	497
	5%
grade 4 events	514
	6%
grade 5 events	669
	8%
grade 6 events	1804
	21%
grade 7 events	3644
	43%

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	154.102375	154.12168477377	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-0.138229	-0.12457047531039	Subarray start row	449	449
[deg] Pointing Roll	8.461614	8.6253748012725	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)	225150637.184000	225149268.60278			
Observation start date	2005-02-18T21:49:33	2005-02-18T21:27:48			
[s] Observation end time (MET)	225155637.184000	225156220.6656			
Observation end date	2005-02-18T23:12:53	2005-02-18T23:23:40			
Read mode	TIMED	TIMED			

2.3 Aspect



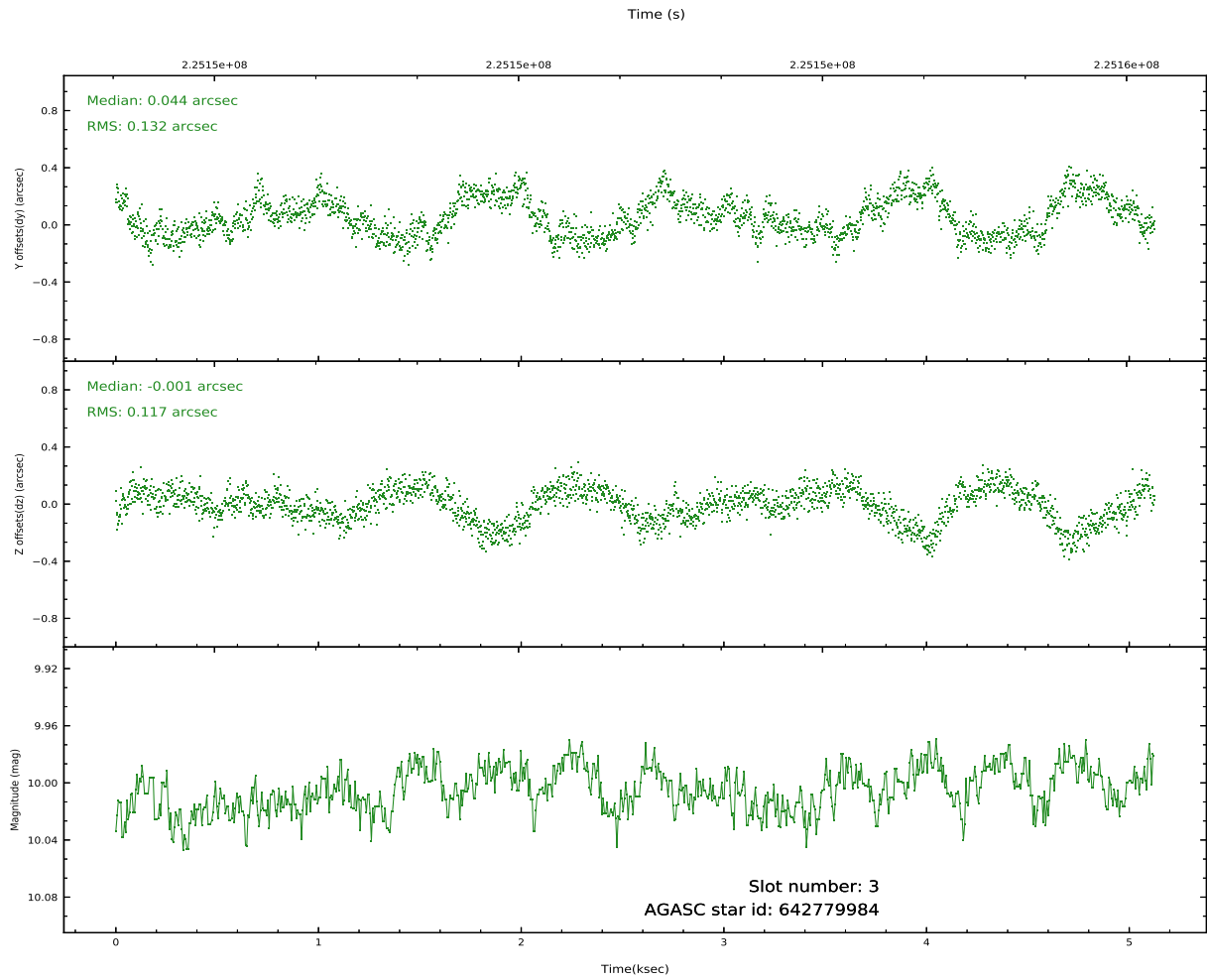
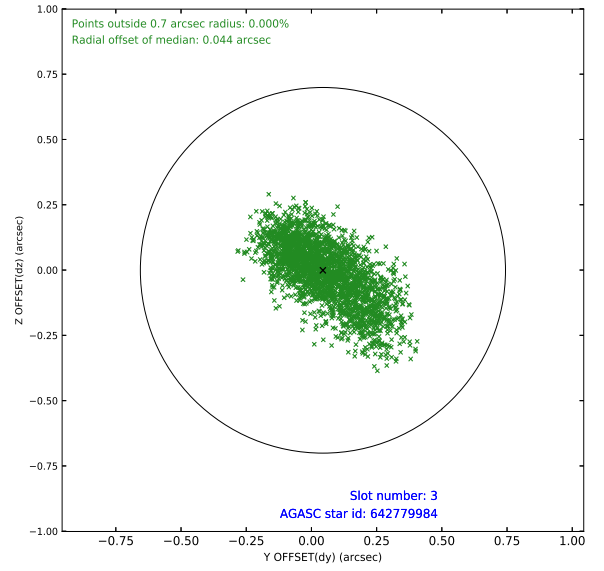
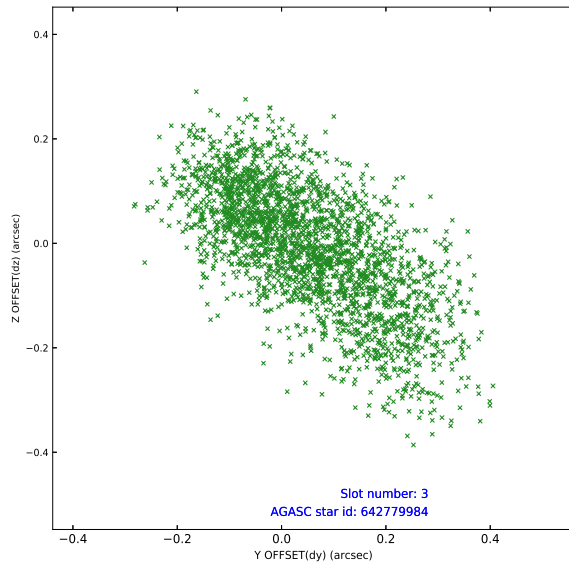


Slot Statistics

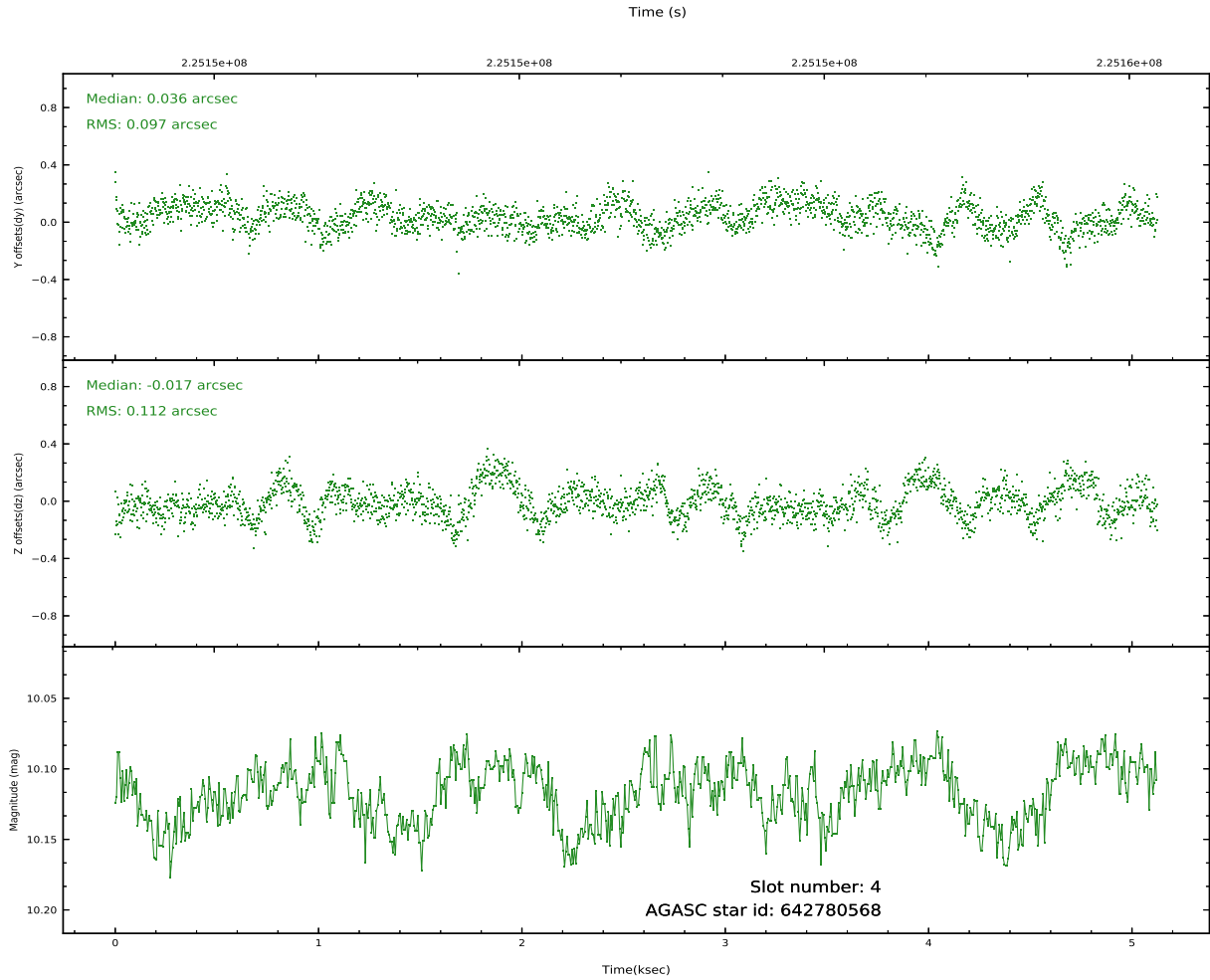
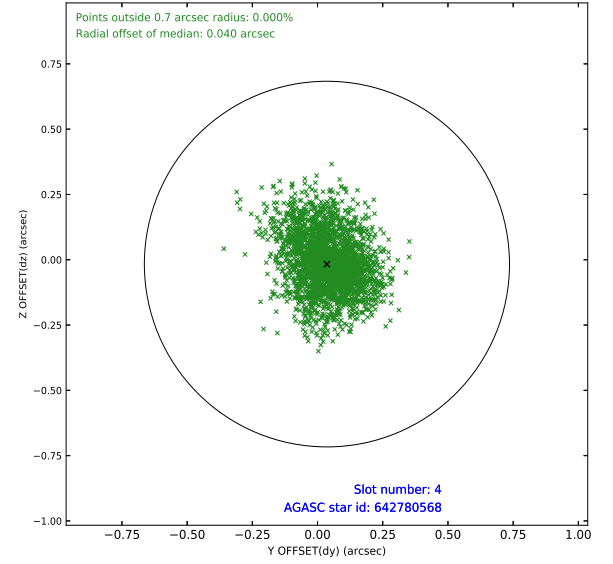
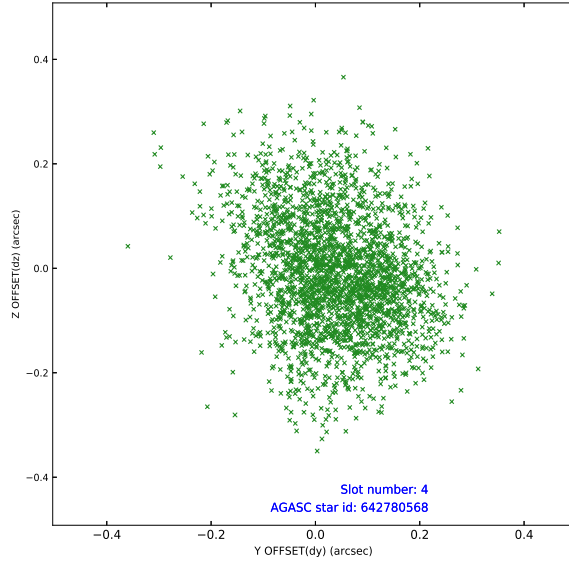
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1250	1.000	-0.068	-0.056	0.008	0.012	0.000000	0.000000	-760.13	-1732
1	FID		ACIS-S-4	7.20	1250	1.000	0.140	0.048	0.006	0.010	0.000000	0.000000	2152.76	174
2	FID		ACIS-S-5	7.23	1251	1.000	-0.104	0.017	0.007	0.012	0.000000	0.000000	-1811.54	169
3	GUIDE	used	642779984	10.00	2501	1.000	0.044	-0.001	0.188	0.308	153.549370	-0.552503	-2188.01	-1181
4	GUIDE	used	642780568	10.12	2496	1.000	0.036	-0.017	0.156	0.256	153.574830	-0.346791	-1989.30	-463
5	GUIDE	used	642789392	9.74	2492	1.000	0.027	0.037	0.178	0.289	154.722606	-0.376093	2082.30	-1175
6	GUIDE	used	642780936	10.44	2498	1.000	-0.079	0.002	0.247	0.390	153.525234	-0.480995	-2235.32	-915
7	GUIDE	used	642788160	10.39	2496	1.000	0.027	-0.051	0.334	0.547	154.715016	-0.427802	2027.67	-1355

2.4 Star Slots

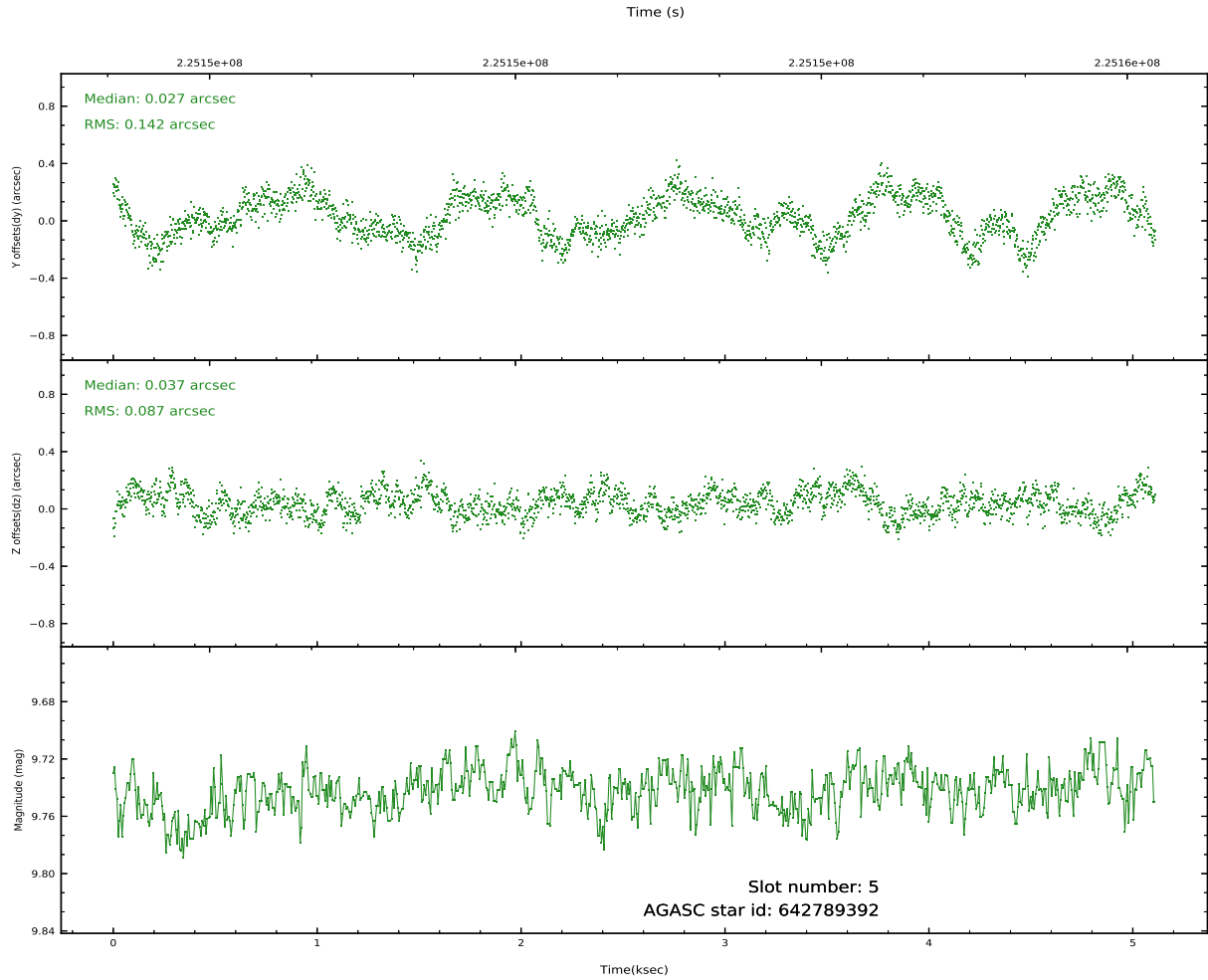
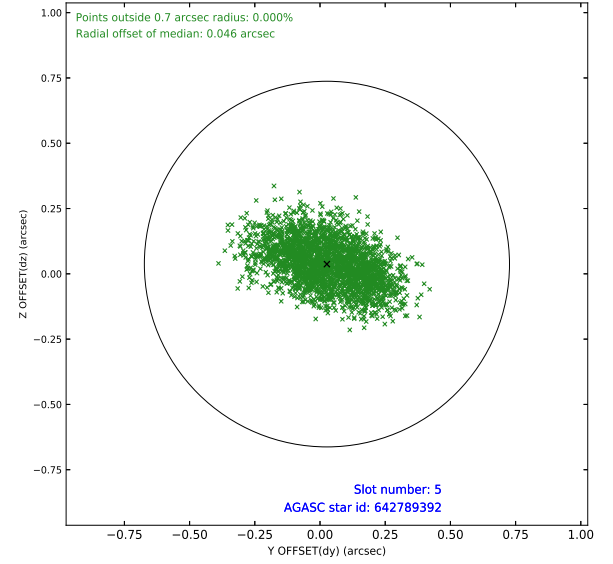
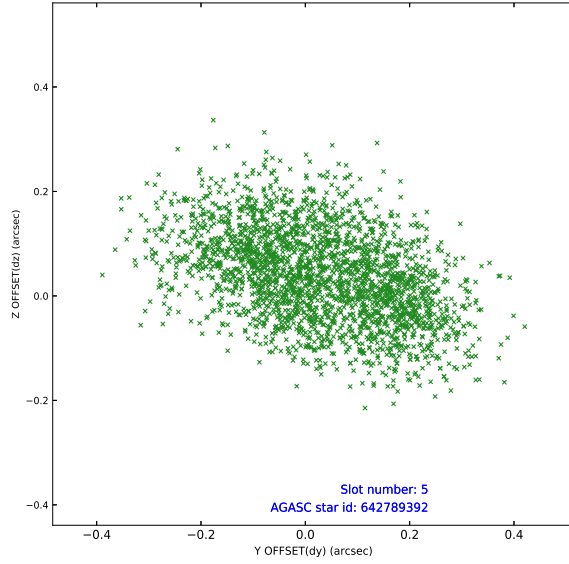
2.4.1 Slot 3



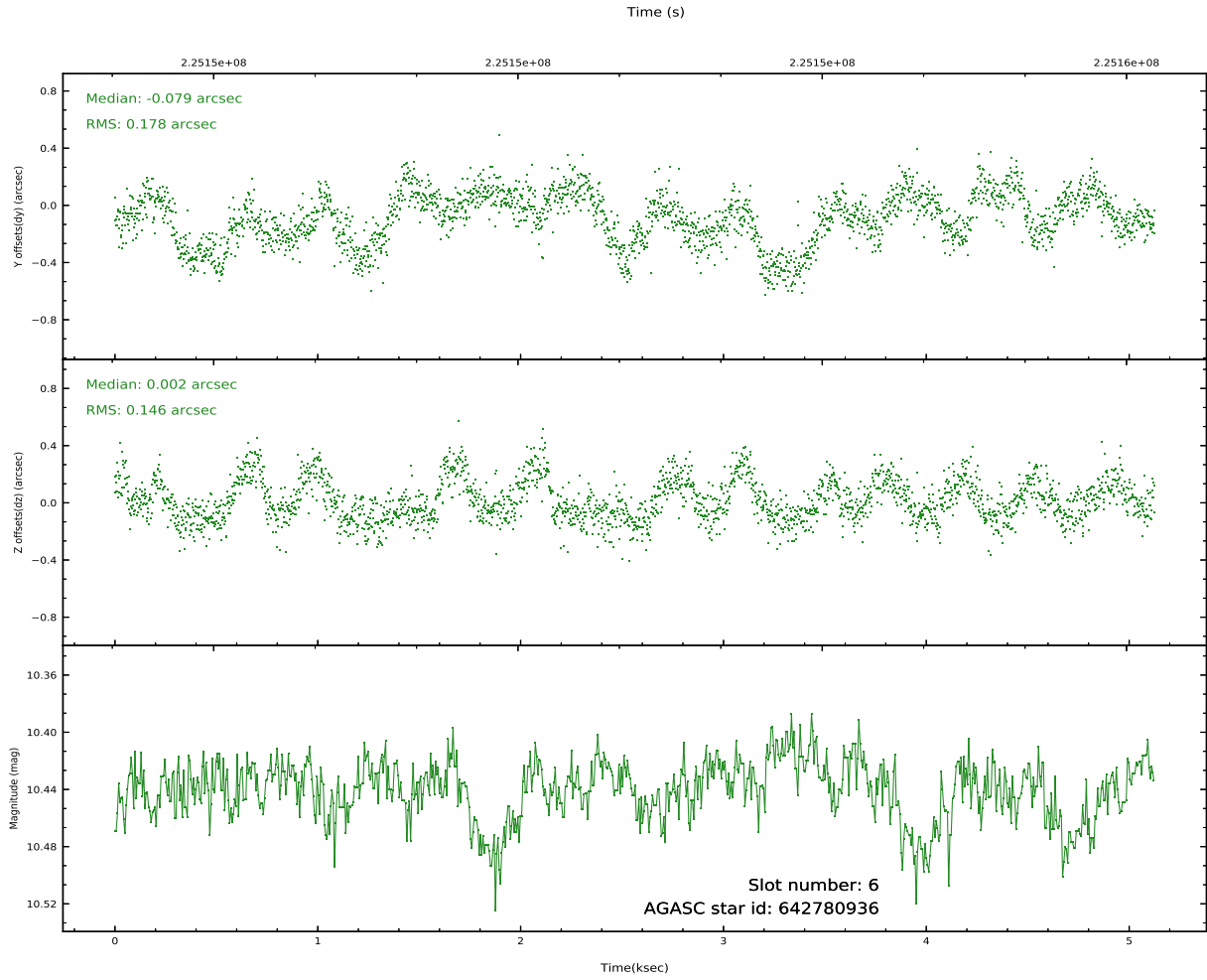
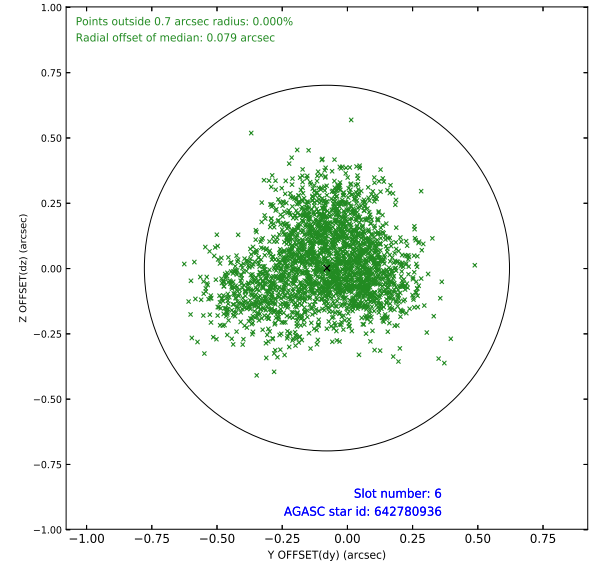
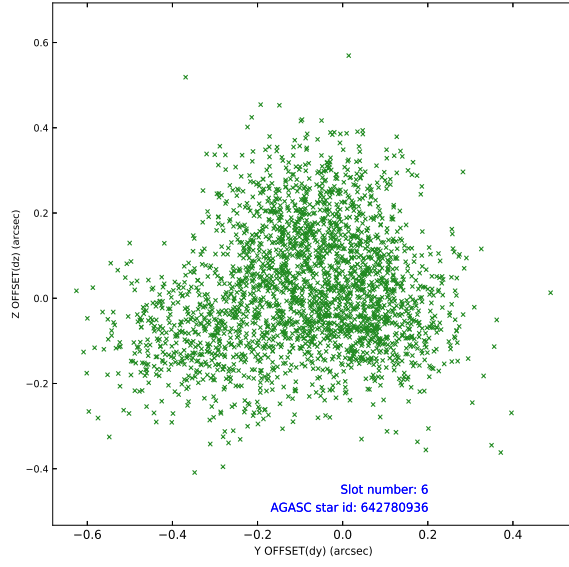
2.4.2 Slot 4



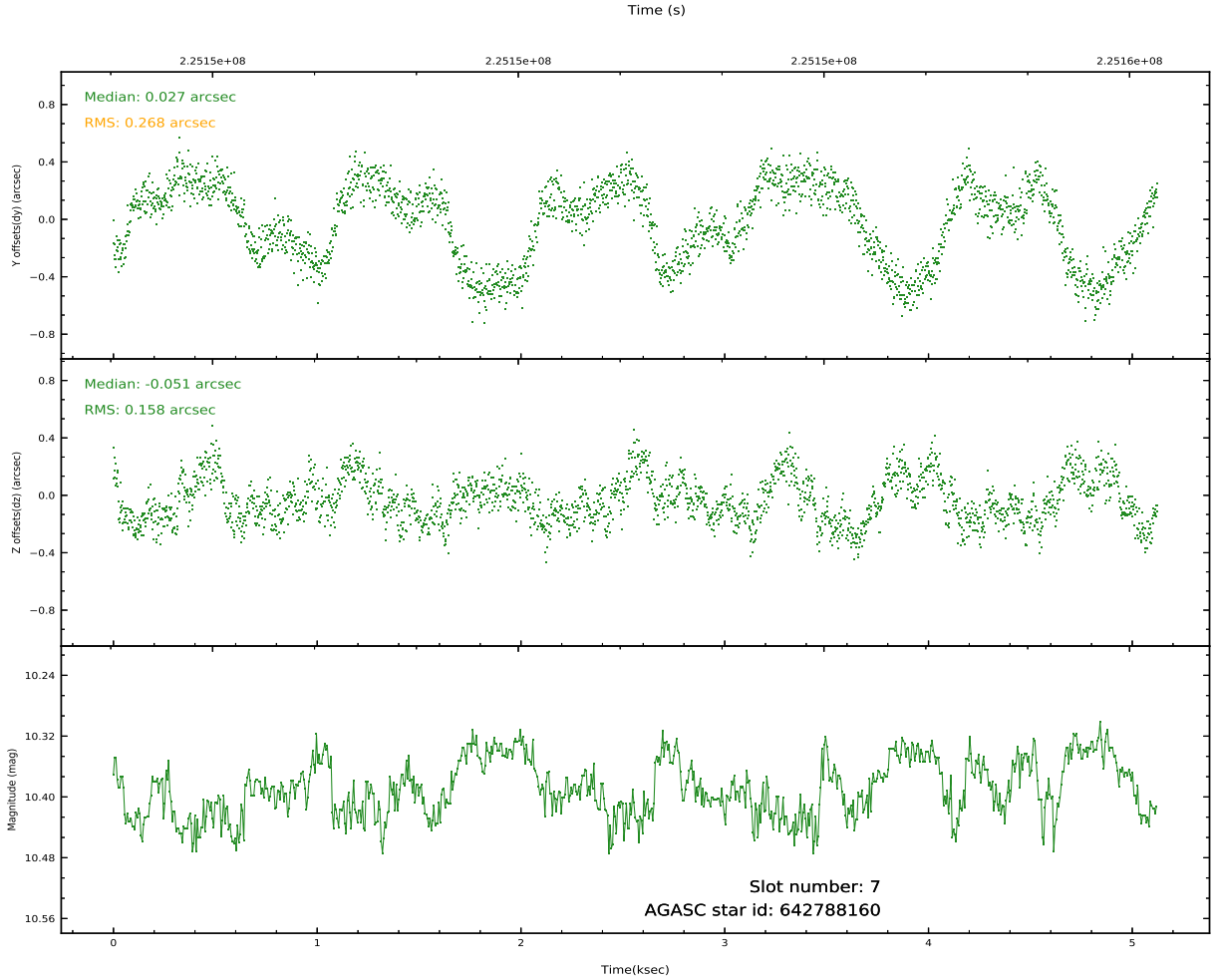
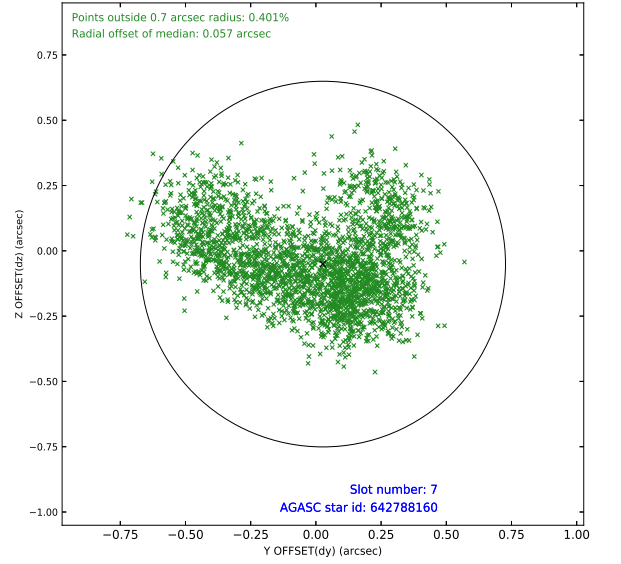
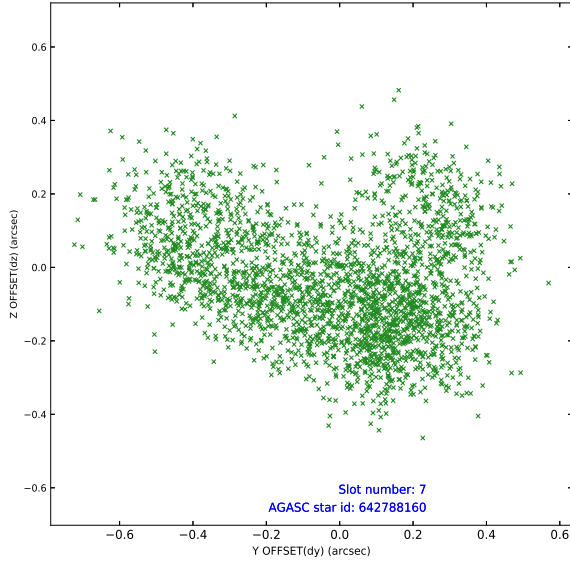
2.4.3 Slot 5



2.4.4 Slot 6

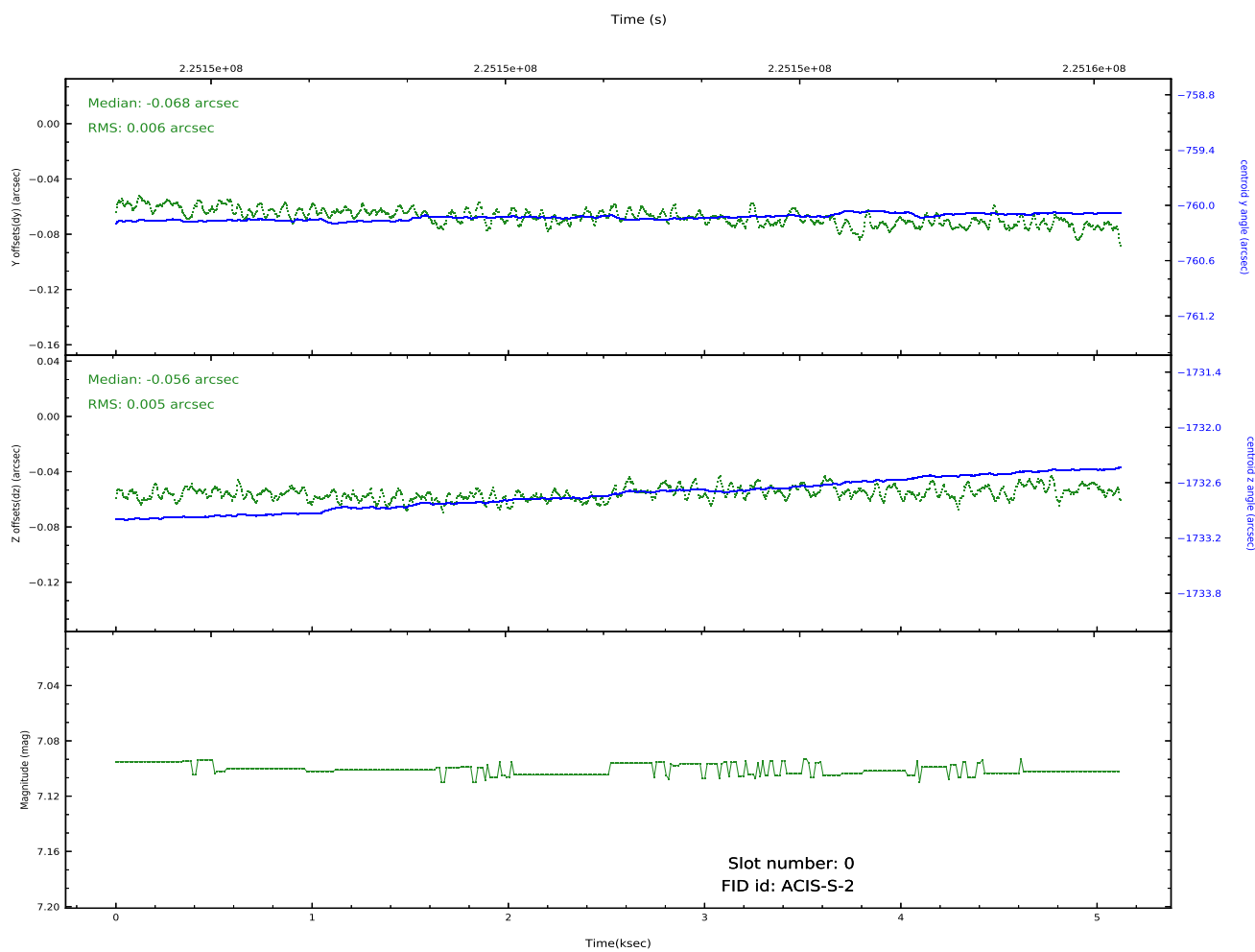
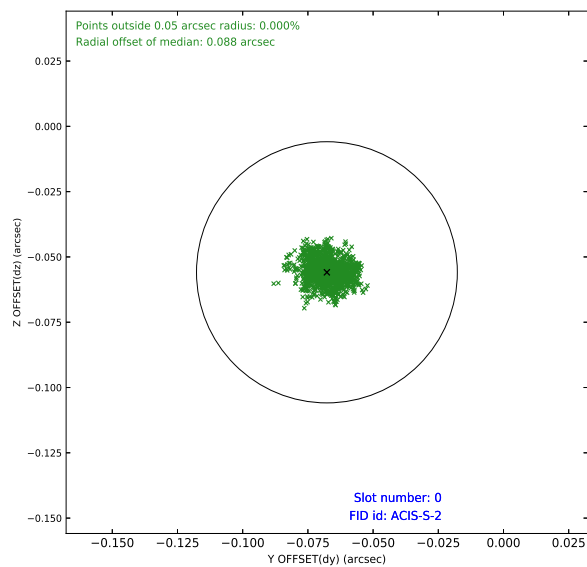
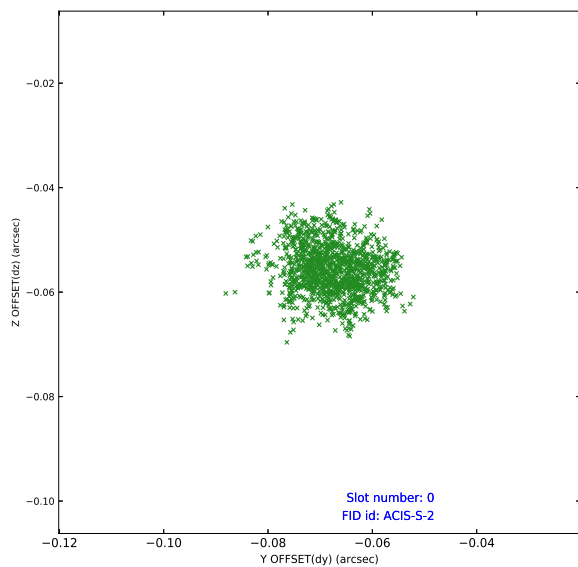


2.4.5 Slot 7

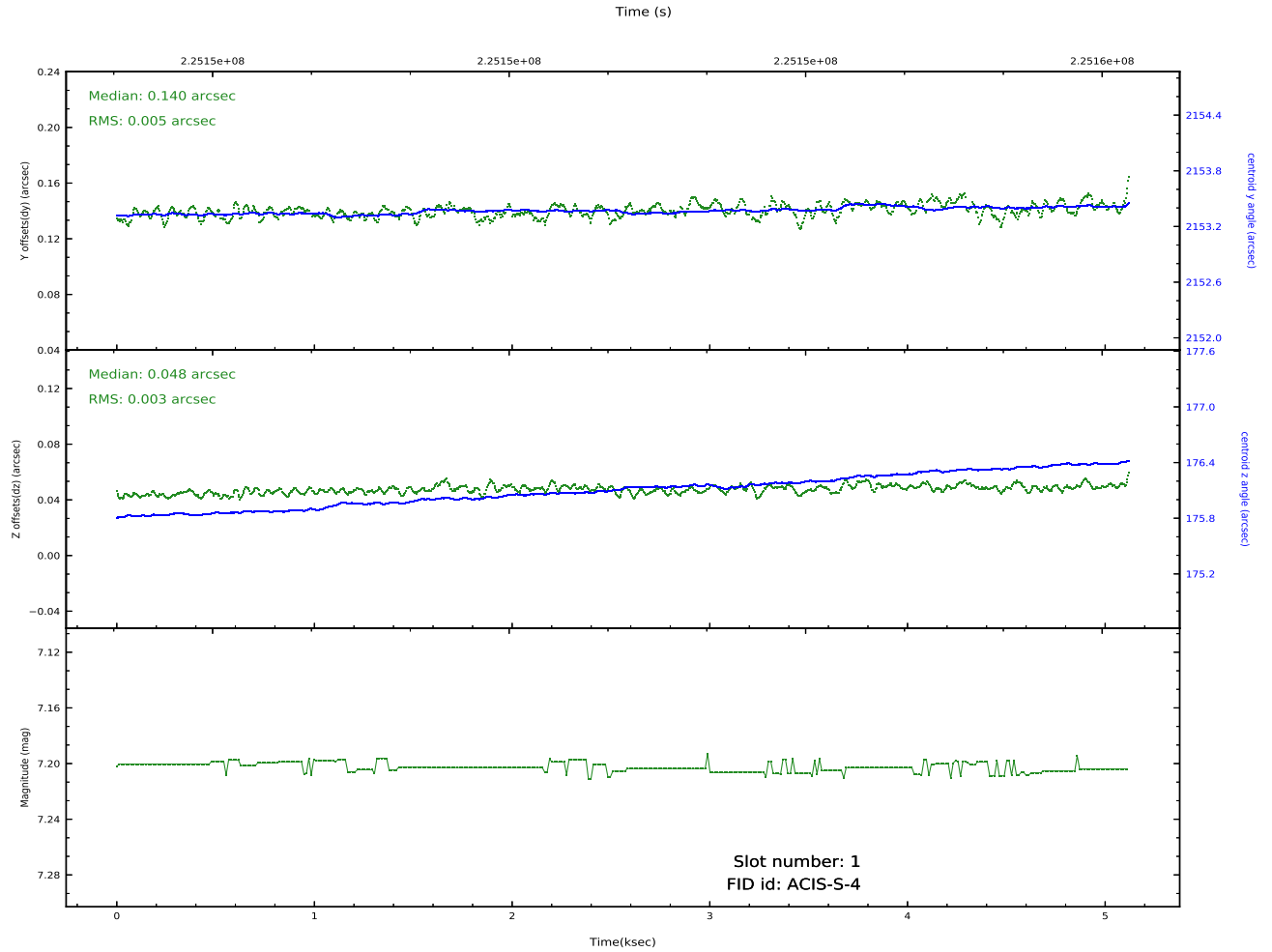
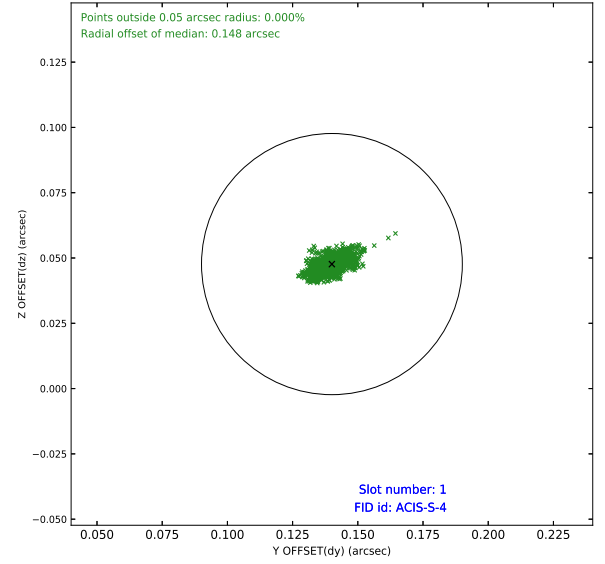
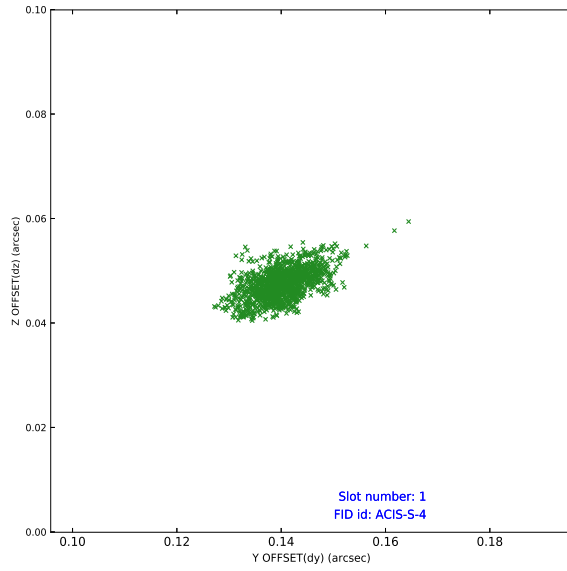


2.5 FID Slots

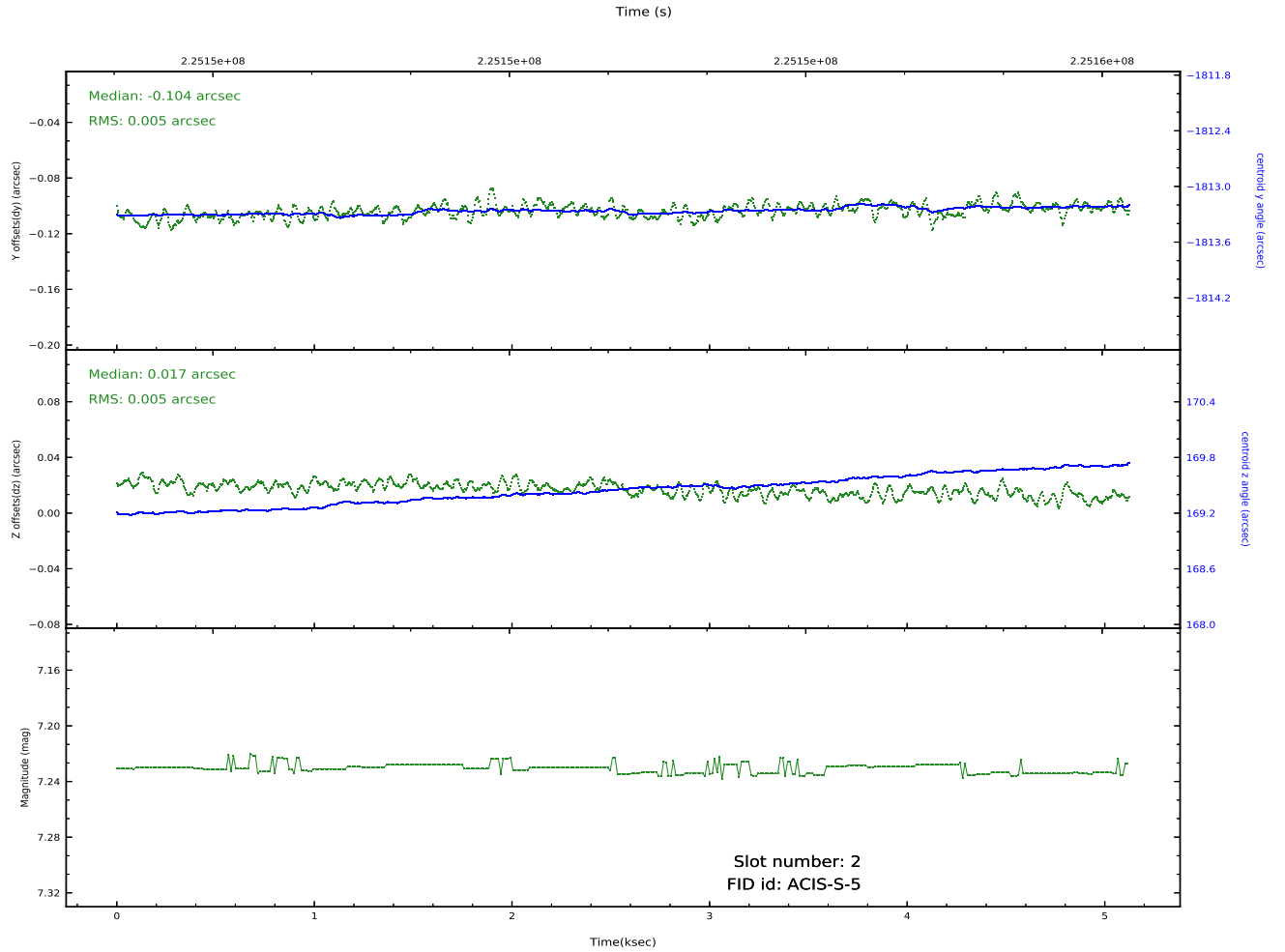
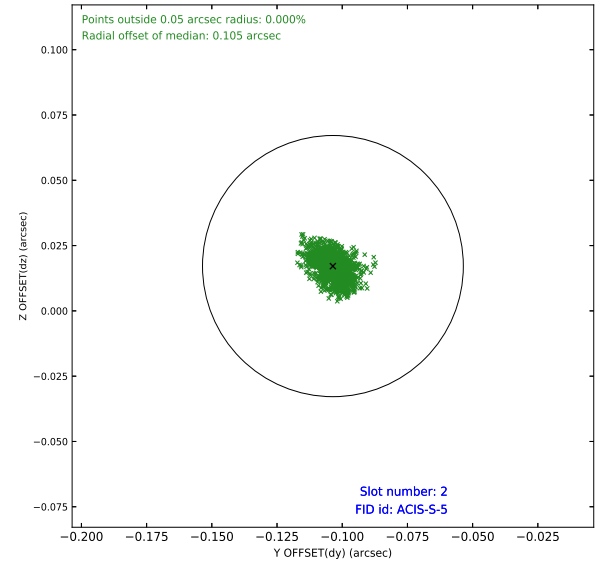
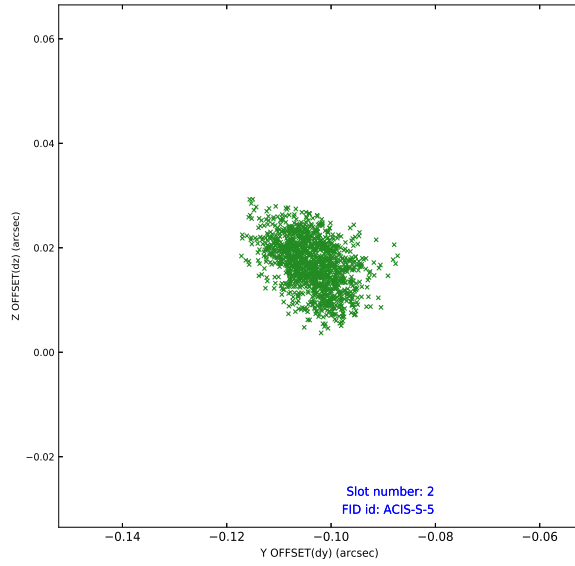
2.5.1 Slot 0



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)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1236

A.2 Comments