

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5667 - L2 Version 4
Chandra X-Ray Center

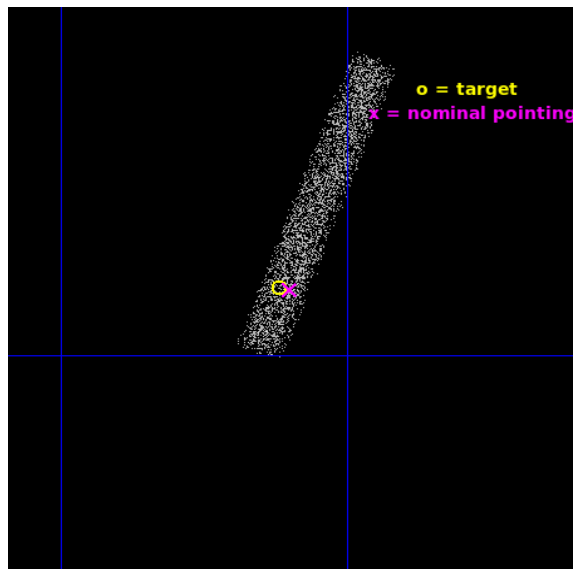
L2 Processing Date : Oct 10 2020

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1 Front

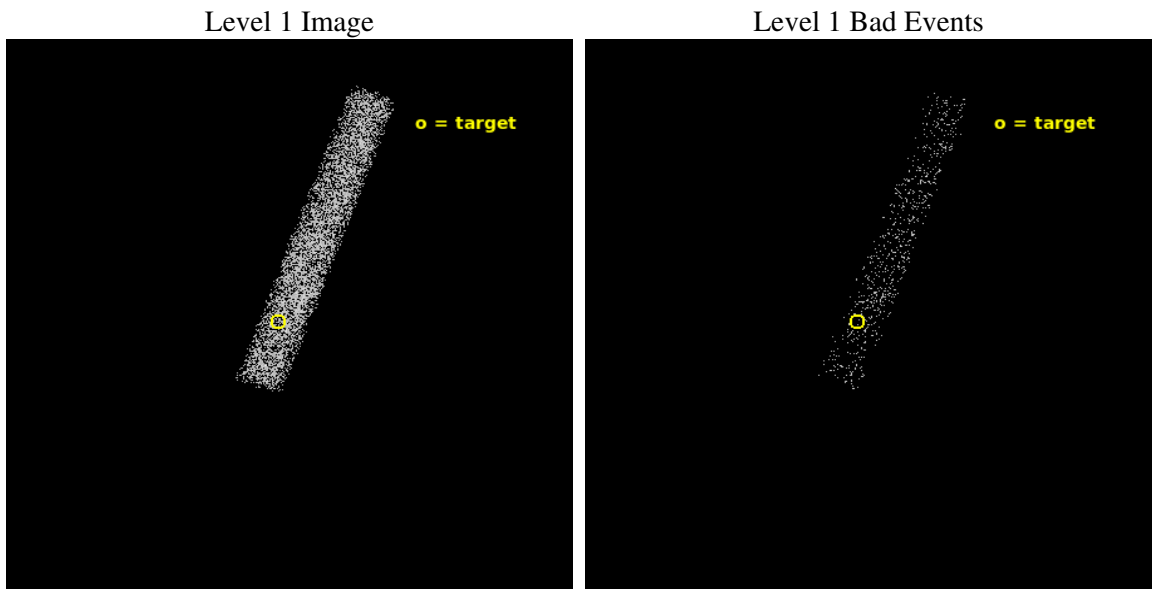
seq_num	701090	Sequence number
obs_id	5667	Observation id
title	X-ray Properties of AGNs with Intermediate-mass Black Holes	Propos
observer	Dr. Luis Ho	Principal investigator
object	SDSS J233837.10-002810.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	354.654583	Observer's specified target RA [deg]
dec_targ	-0.469528	Observer's specified target Dec [deg]
ra_nom	354.6499710572	Nominal RA [deg]
dec_nom	-0.47040106920201	Nominal Dec [deg]
roll_nom	290.61254892396	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5186.0000772476	Sum of GTIs [s]
liveltime	4703.4283305348	Livetime [s]
ontime7	5186.0000772476	Sum of GTIs [s]
l2events	4131	Number of level 2 events



2 OBI

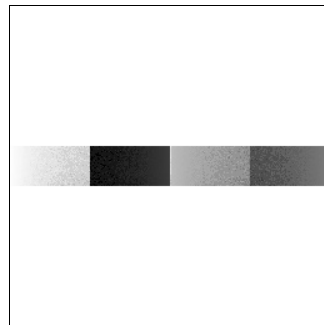
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5186.0000772476	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	5186.0000772476	Sum of GTIs [s]
date	2020-10-11T02:49:59	Date and time of file creation	l1events	9833	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

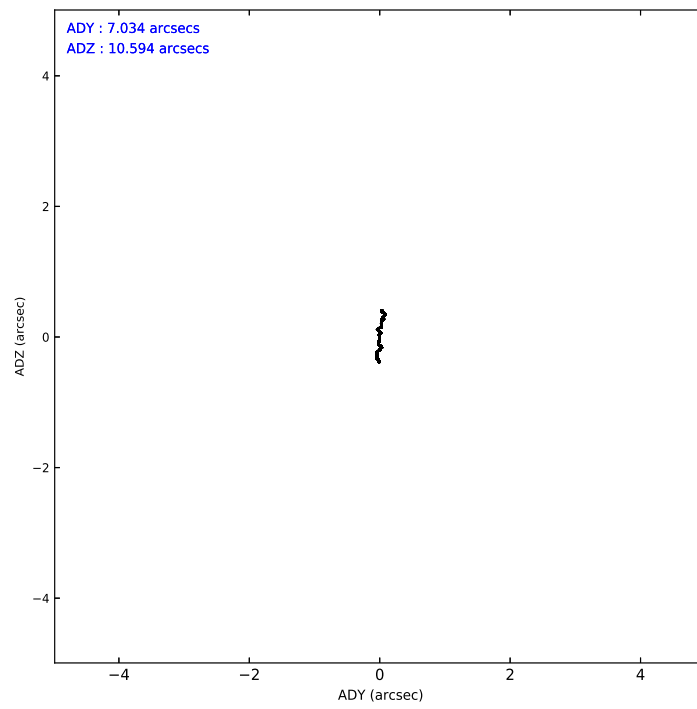
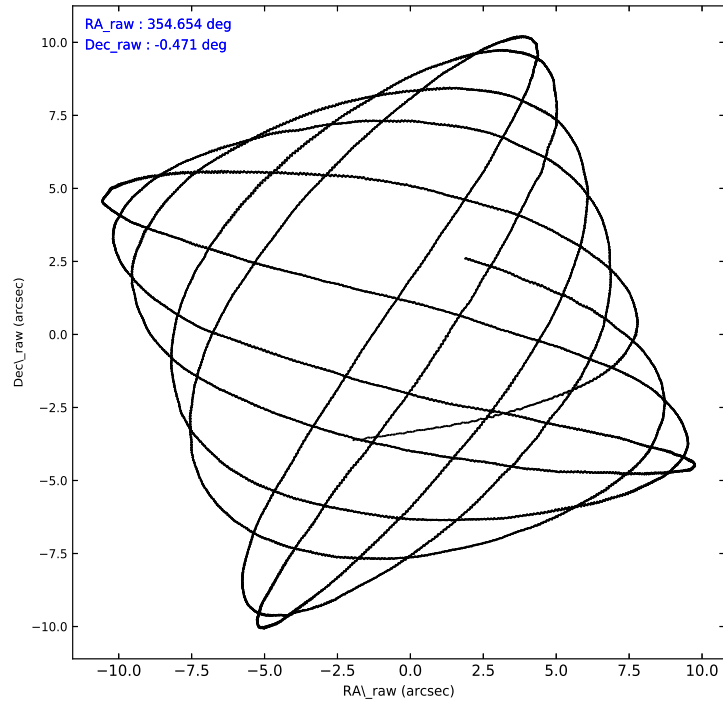
	ccd 7
level 1 events	9833
rejected events	5569
rejected %	56%

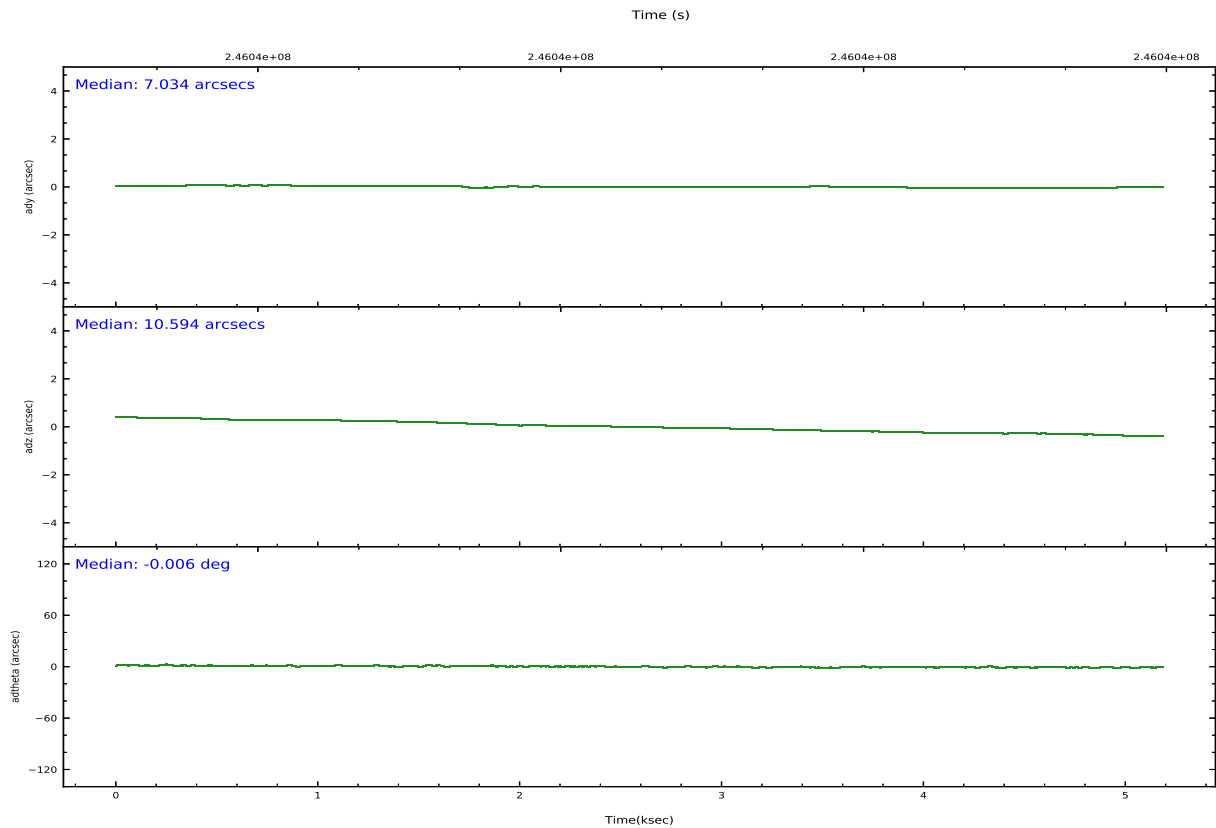
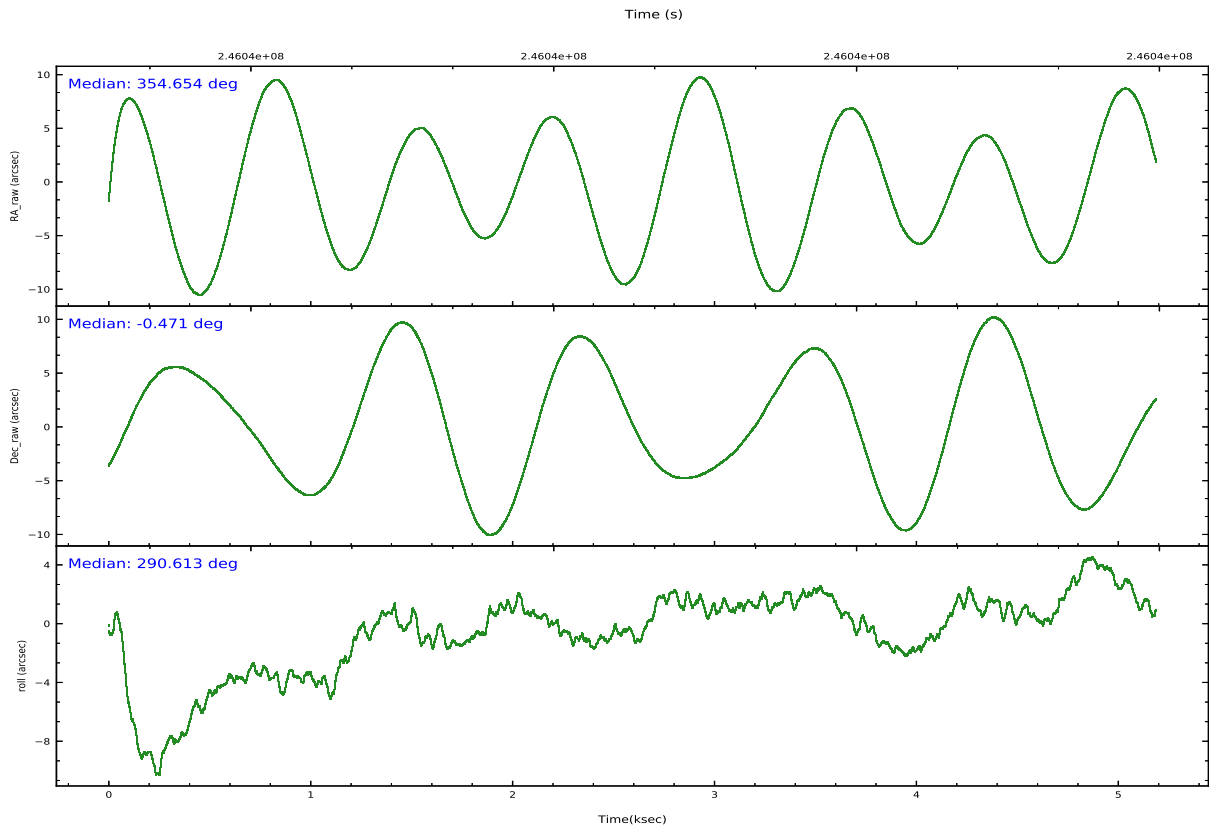
	ccd 7
grade 0 events	470
	4%
grade 1 events	13
	0%
grade 2 events	886
	9%
grade 3 events	561
	5%
grade 4 events	569
	5%
grade 5 events	854
	8%
grade 6 events	2430
	24%
grade 7 events	4050
	41%

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	354.632172	354.6499710572	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-0.454284	-0.47040106920201	Subarray start row	449	449
[deg] Pointing Roll	290.455067	290.61254892396	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)	246036482.184000	246035309.66912			
Observation start date	2005-10-18T15:26:58	2005-10-18T15:08:29			
[s] Observation end time (MET)	246041482.184000	246041710.79441			
Observation end date	2005-10-18T16:50:18	2005-10-18T16:55:10			
Read mode	TIMED	TIMED			

2.3 Aspect





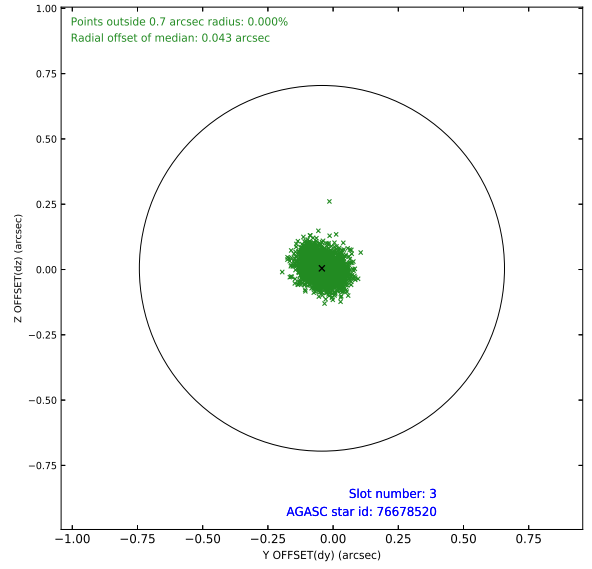
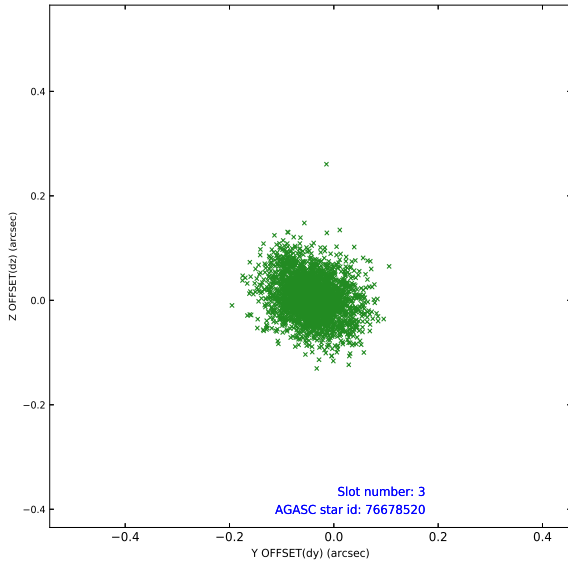
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	1266	1.000	0.050	-0.100	0.016	0.024	0.000000	0.000000	936.31	-1727
1	FID		ACIS-S-5	7.24	1266	1.000	-0.106	0.016	0.007	0.011	0.000000	0.000000	-1812.20	168
2	FID		ACIS-S-6	7.35	1266	1.000	0.033	0.096	0.013	0.021	0.000000	0.000000	400.57	814
3	GUIDE	used	76678520	8.97	2532	1.000	-0.043	0.005	0.063	0.105	354.768103	0.123630	-1778.28	1185
4	GUIDE	used	688263280	8.35	2530	1.000	0.033	-0.115	0.053	0.088	354.862722	-0.977889	2055.69	119
5	GUIDE	used	688265464	9.11	2531	1.000	-0.003	-0.002	0.078	0.127	354.316914	-1.050307	1615.14	-1813
6	GUIDE	used	688391136	9.09	2531	1.000	-0.008	0.092	0.078	0.124	355.227715	-0.740201	1714.59	1648
7	GUIDE	used	688262408	8.68	2530	1.000	0.021	0.019	0.057	0.094	354.566096	-0.868573	1315.14	-743

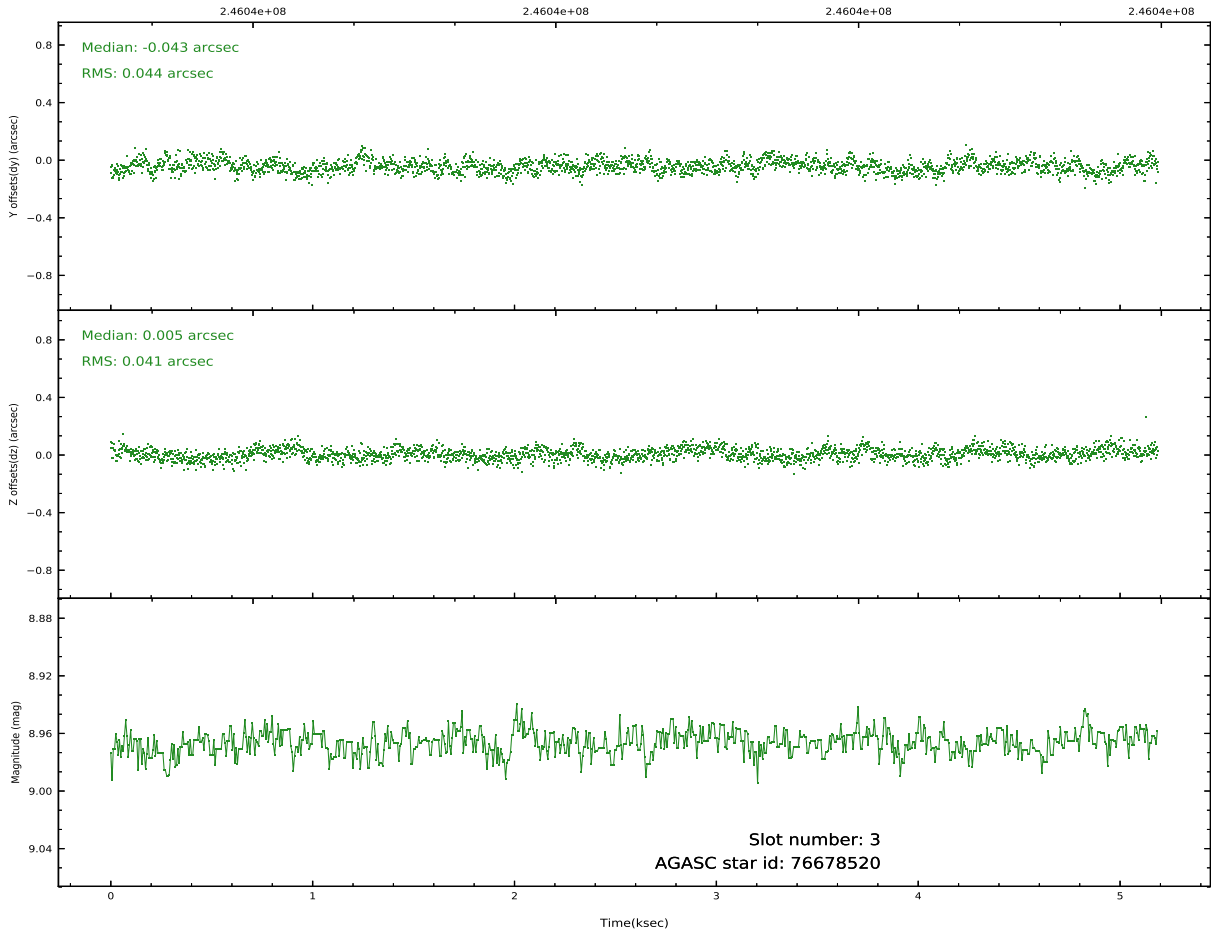
∞

2.4 Star Slots

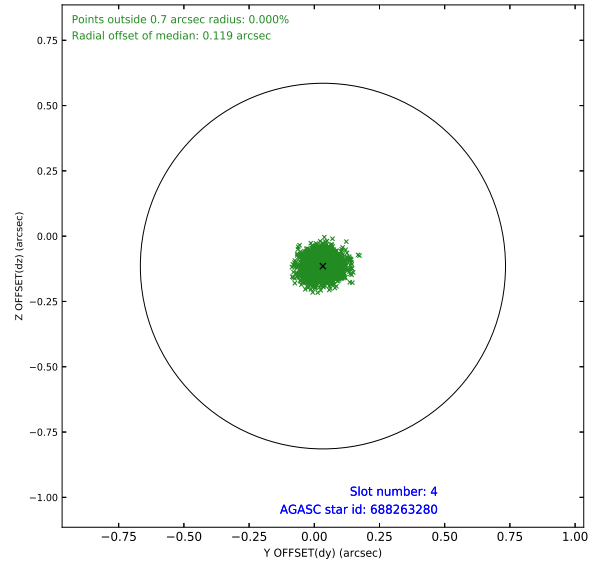
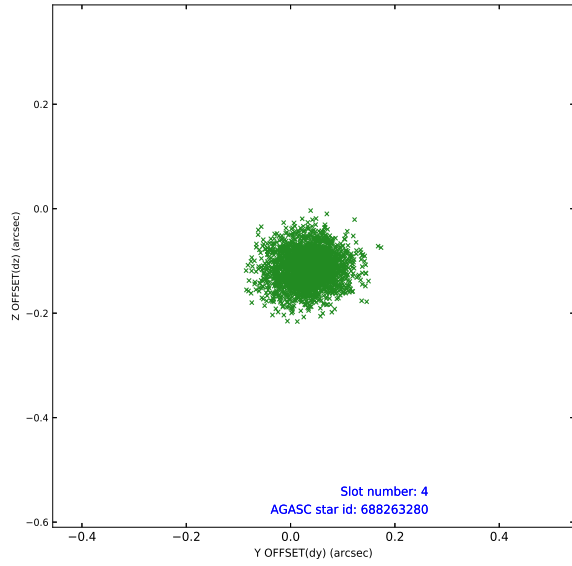
2.4.1 Slot 3



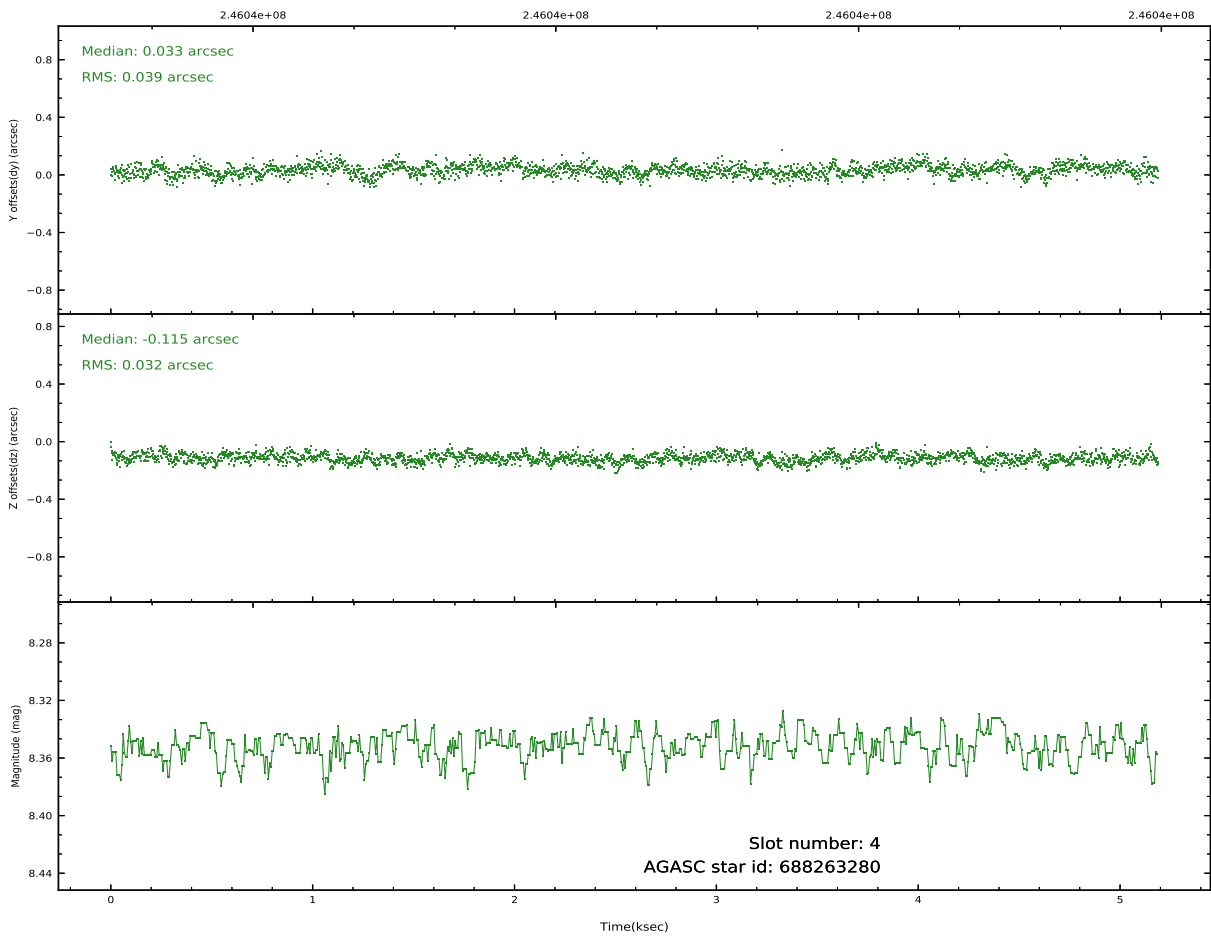
Time (s)



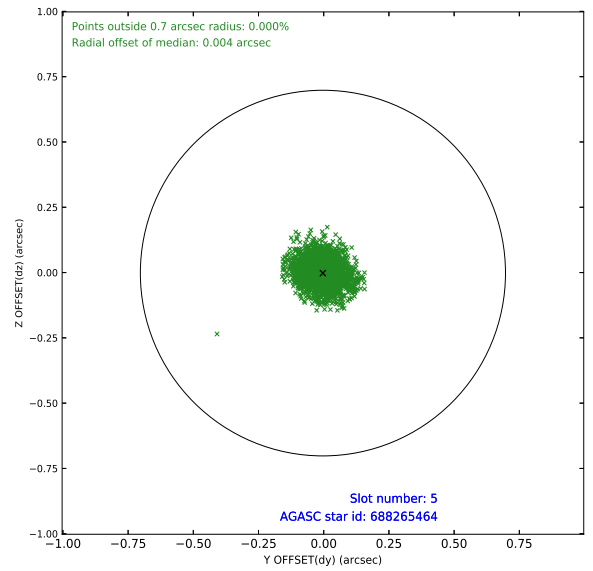
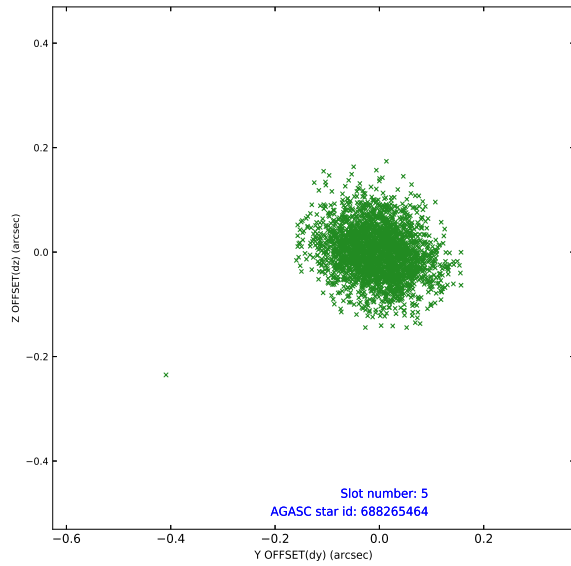
2.4.2 Slot 4



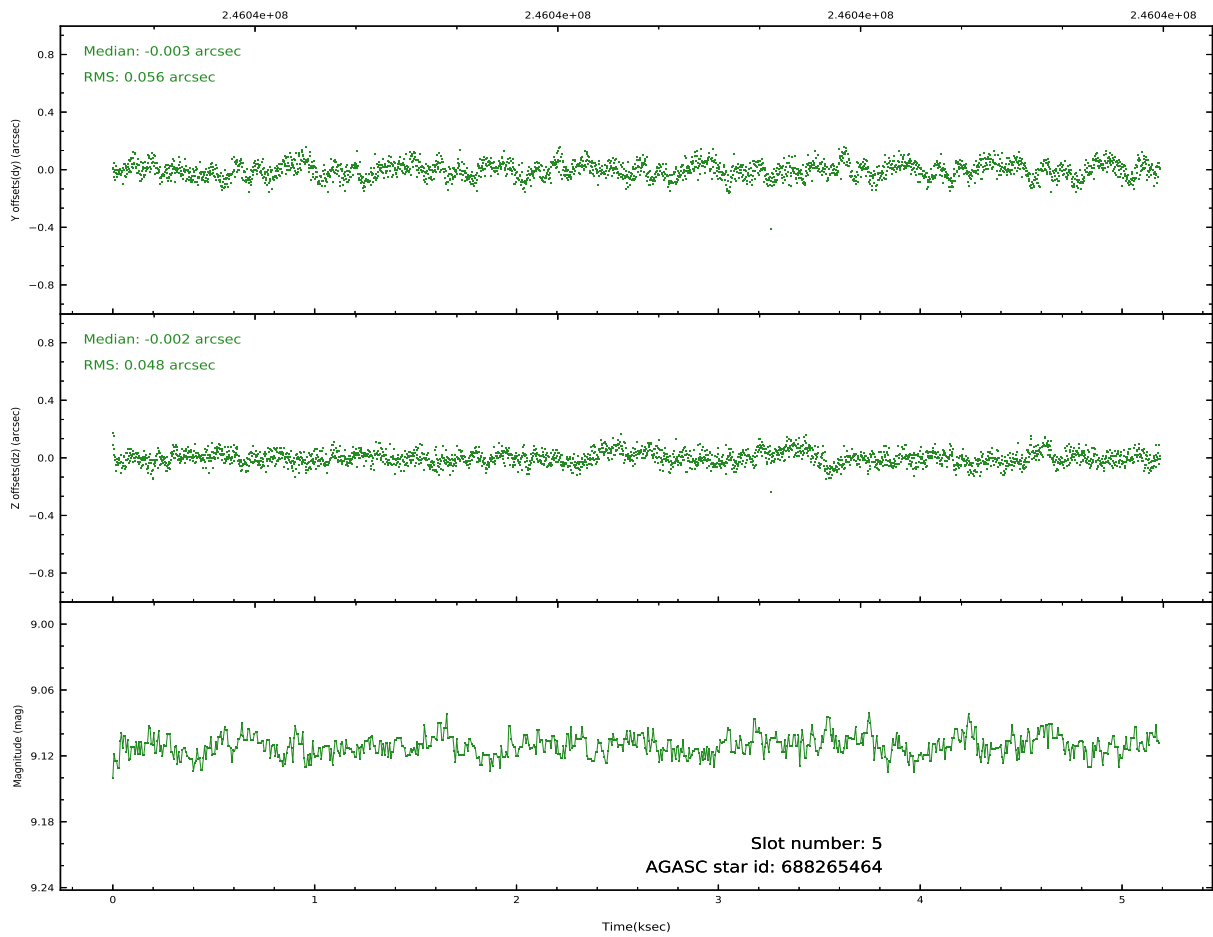
Time (s)



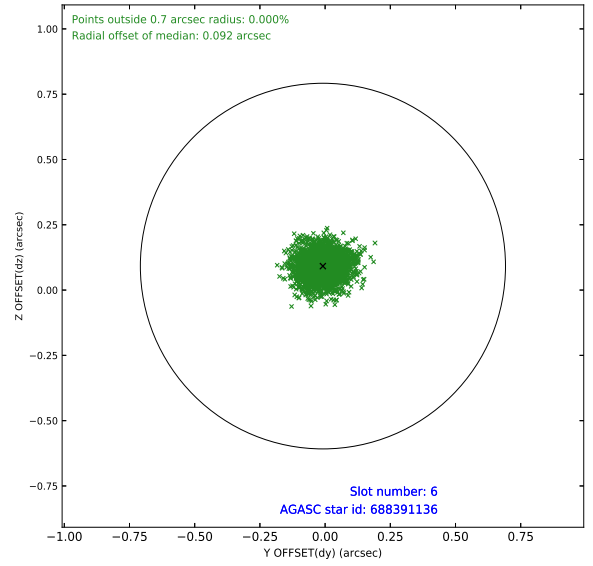
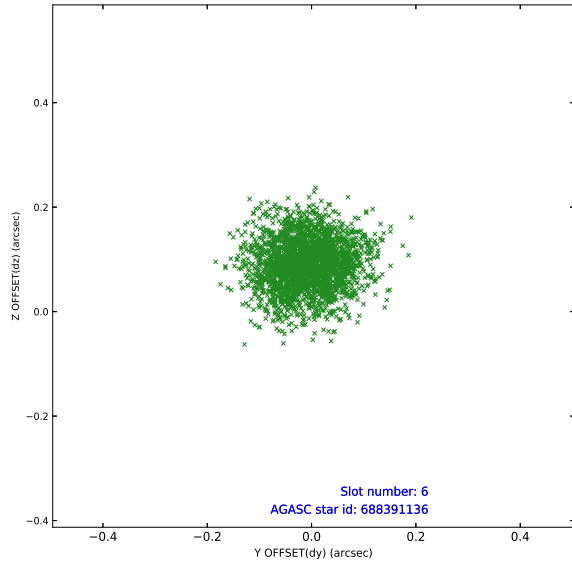
2.4.3 Slot 5



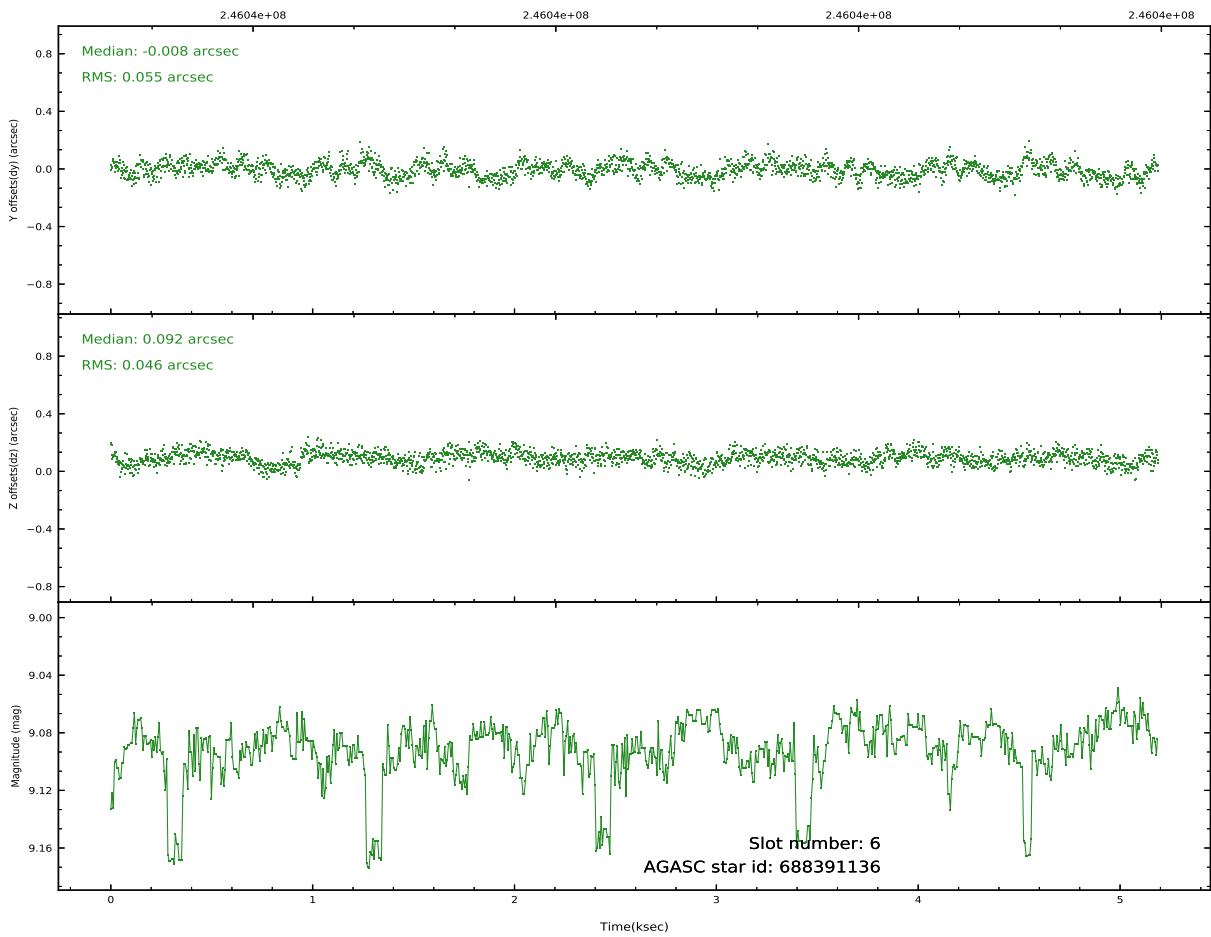
Time (s)



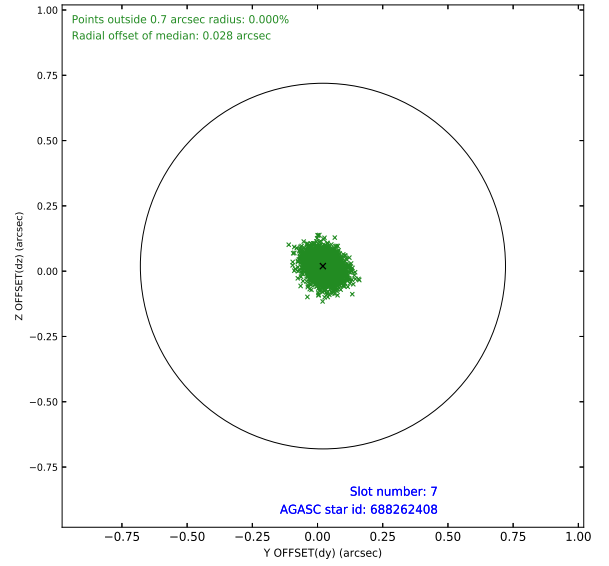
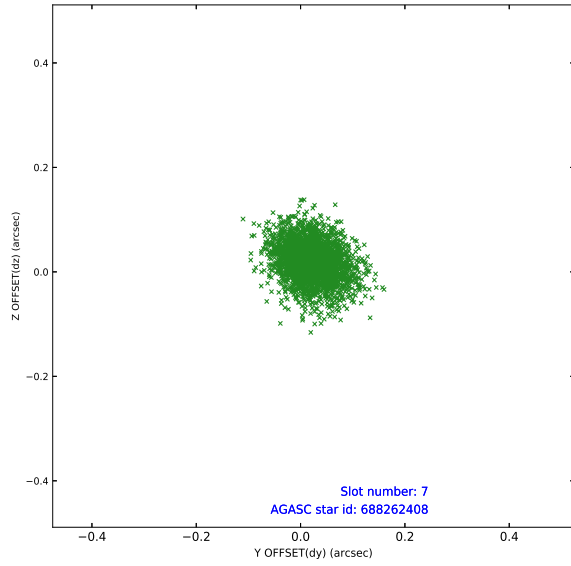
2.4.4 Slot 6



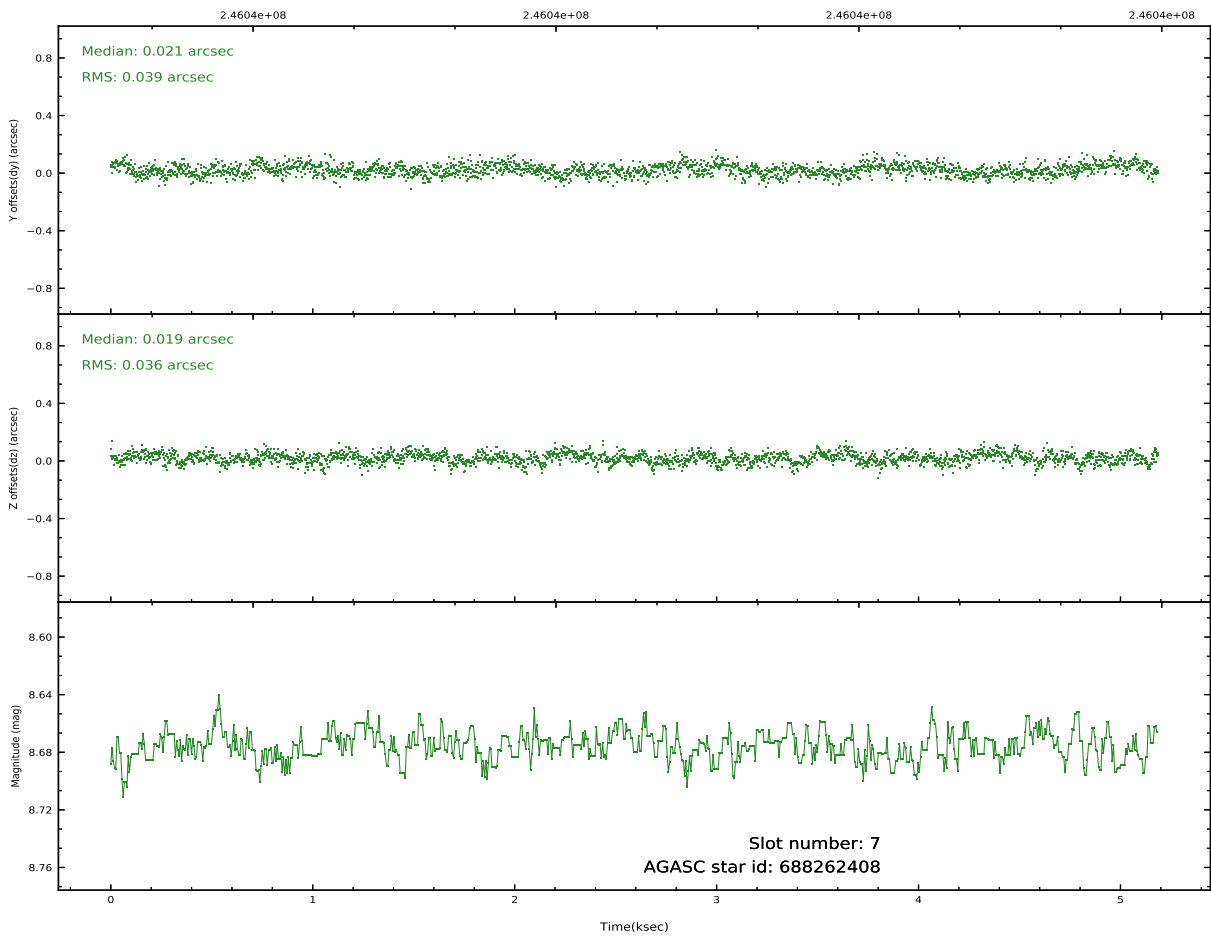
Time (s)



2.4.5 Slot 7

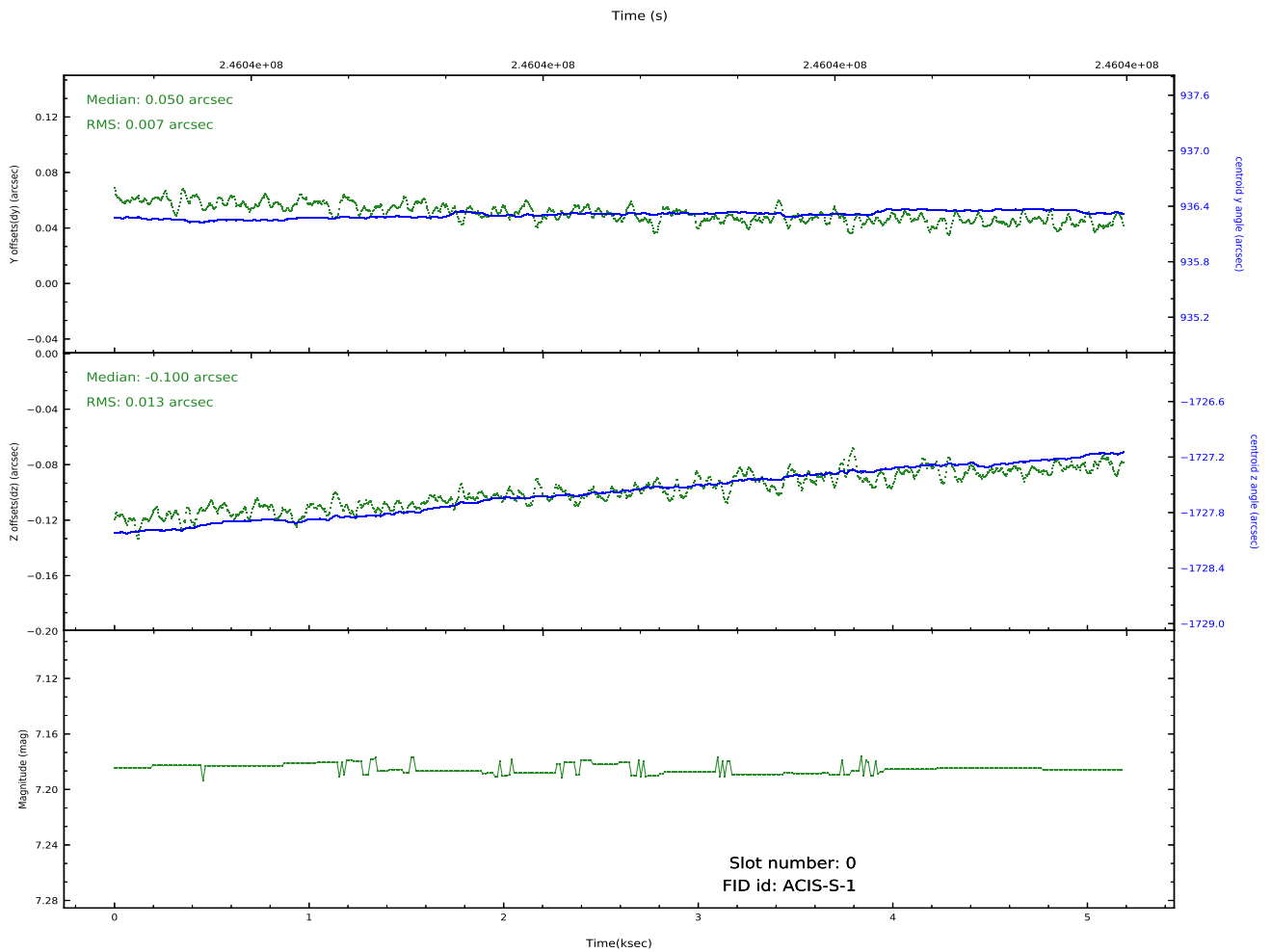
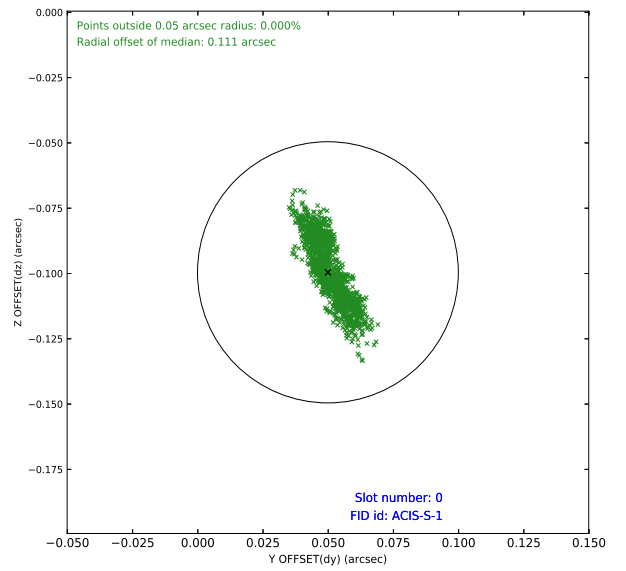
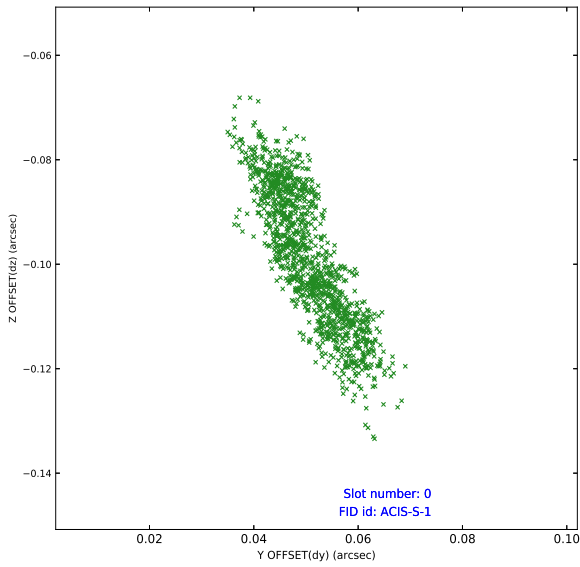


Time (s)

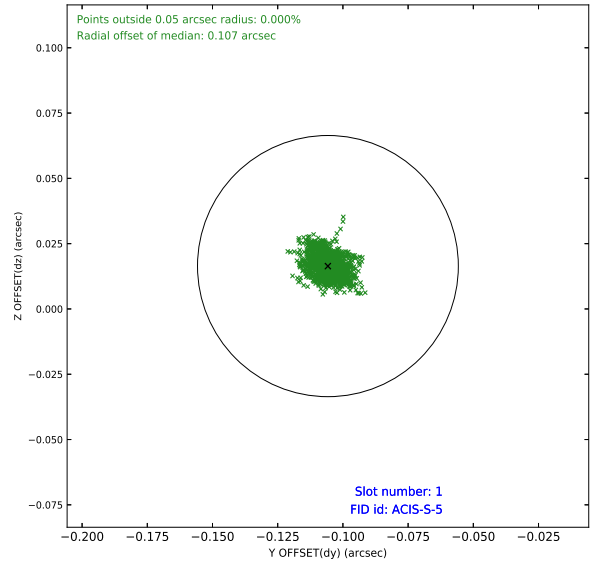
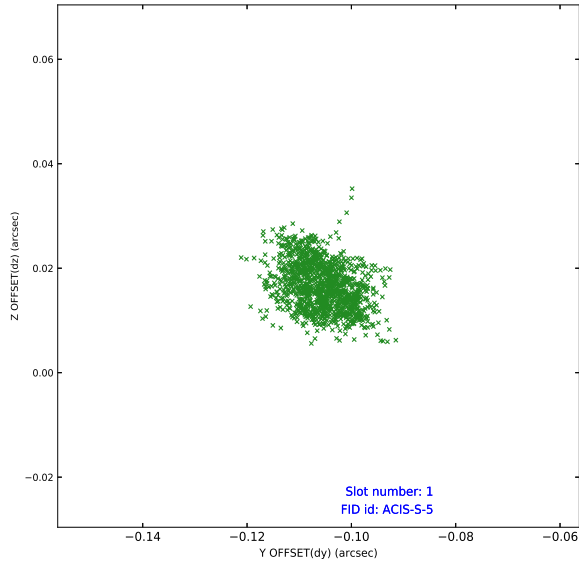


2.5 FID Slots

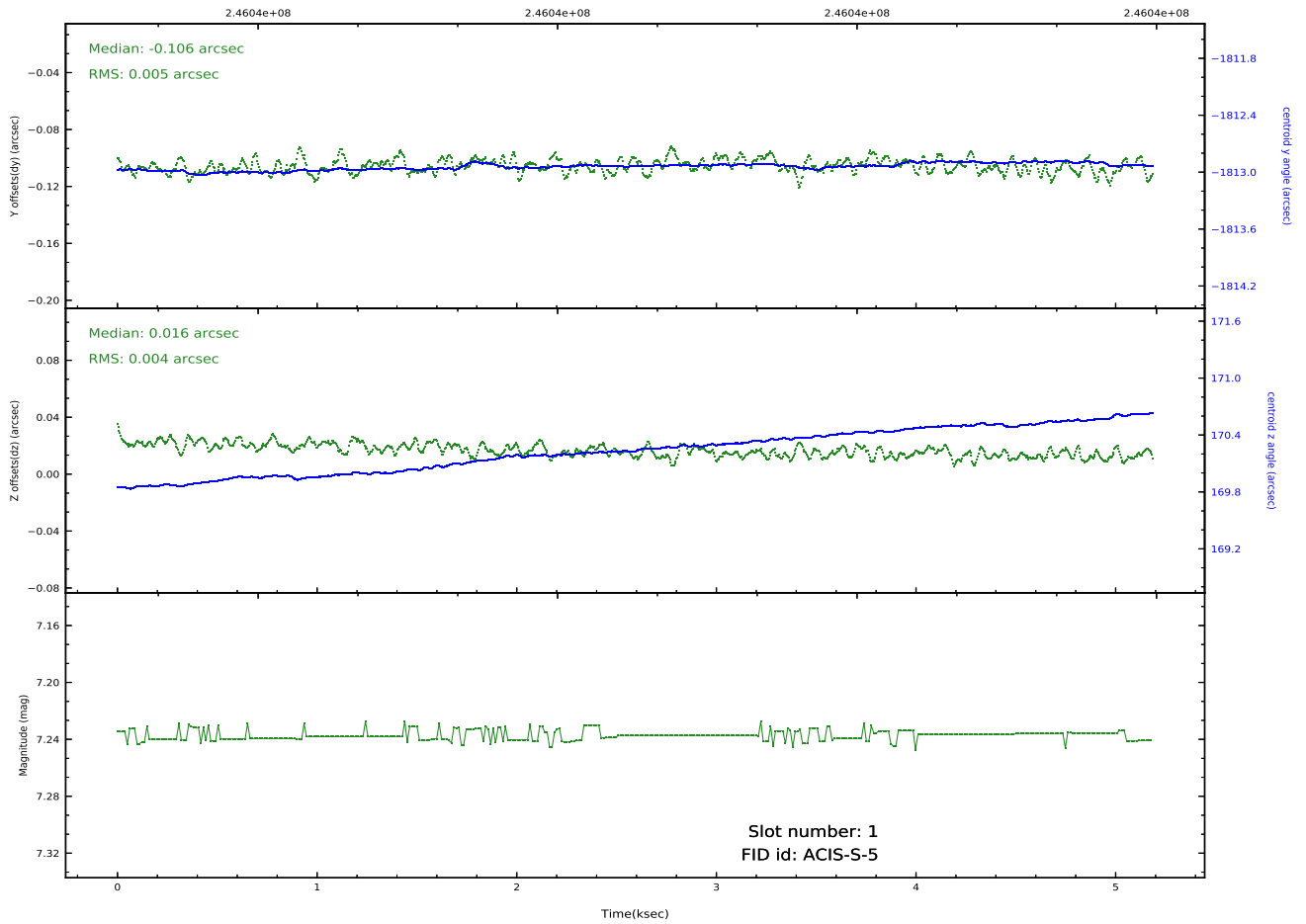
2.5.1 Slot 0



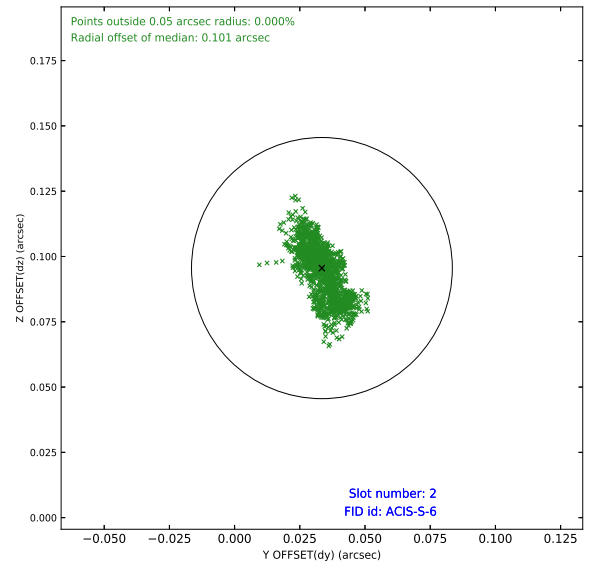
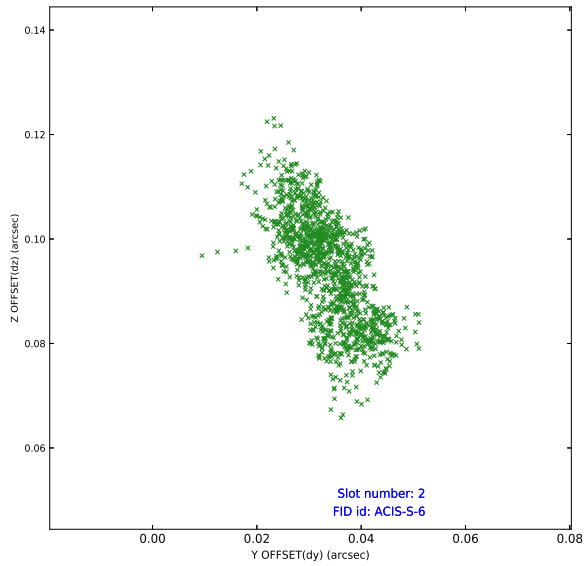
2.5.2 Slot 1



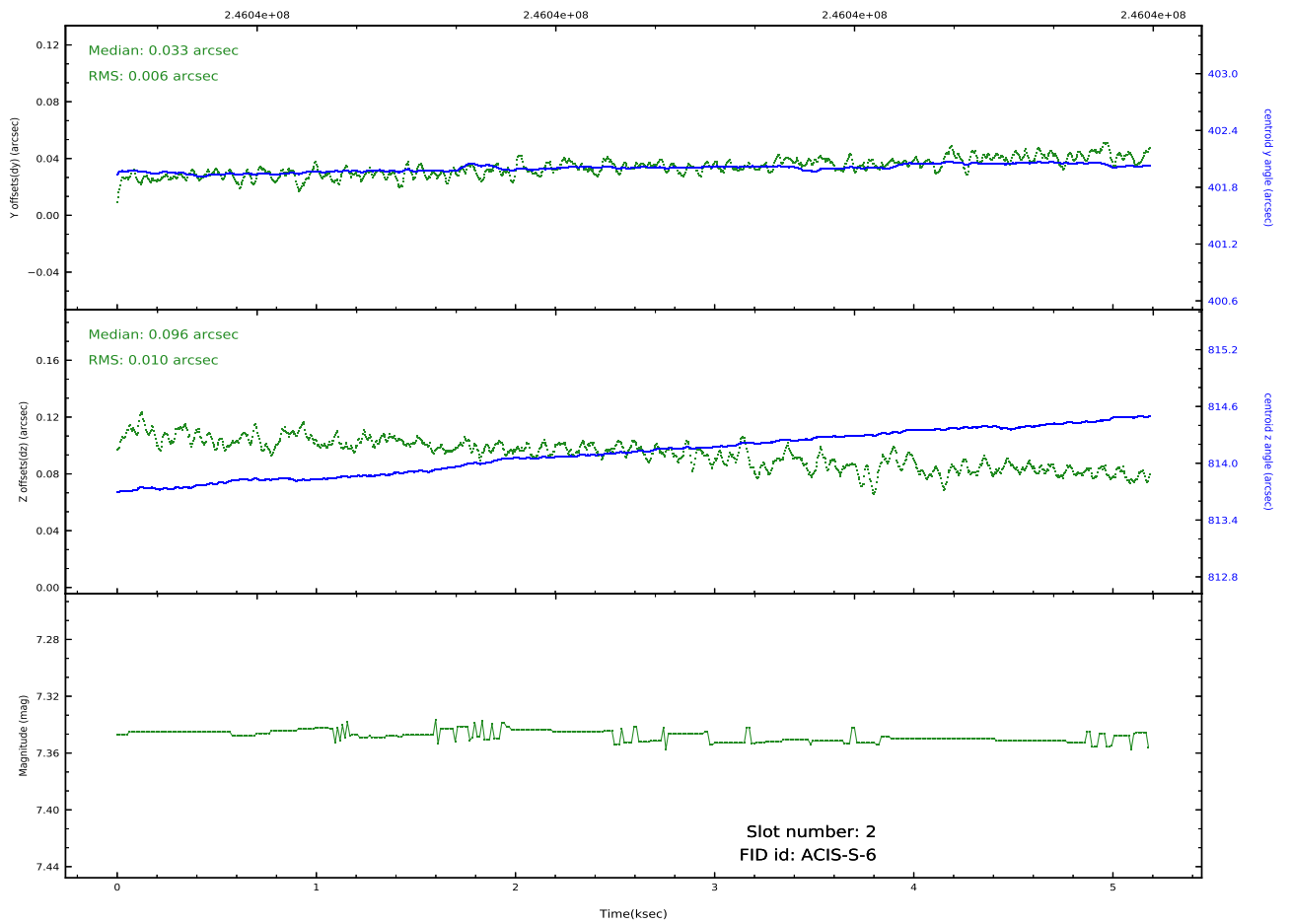
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.186

A.2 Comments