

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5444 - L2 Version 7
Chandra X-Ray Center

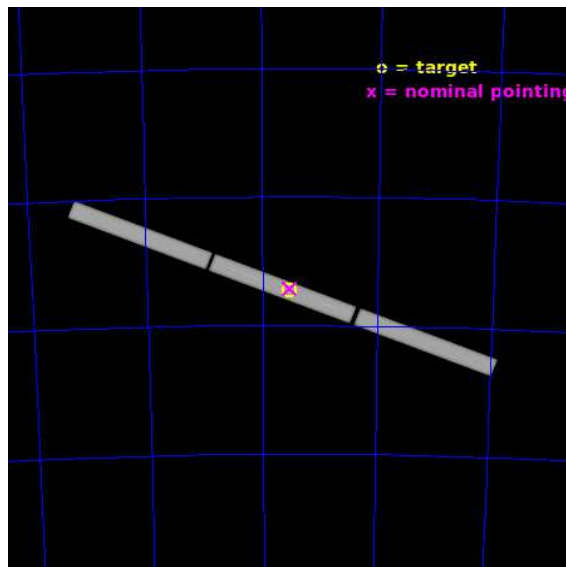
L2 Processing Date : Oct 8 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	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
3	Gratings	16
3.1	LETG Arm	16
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

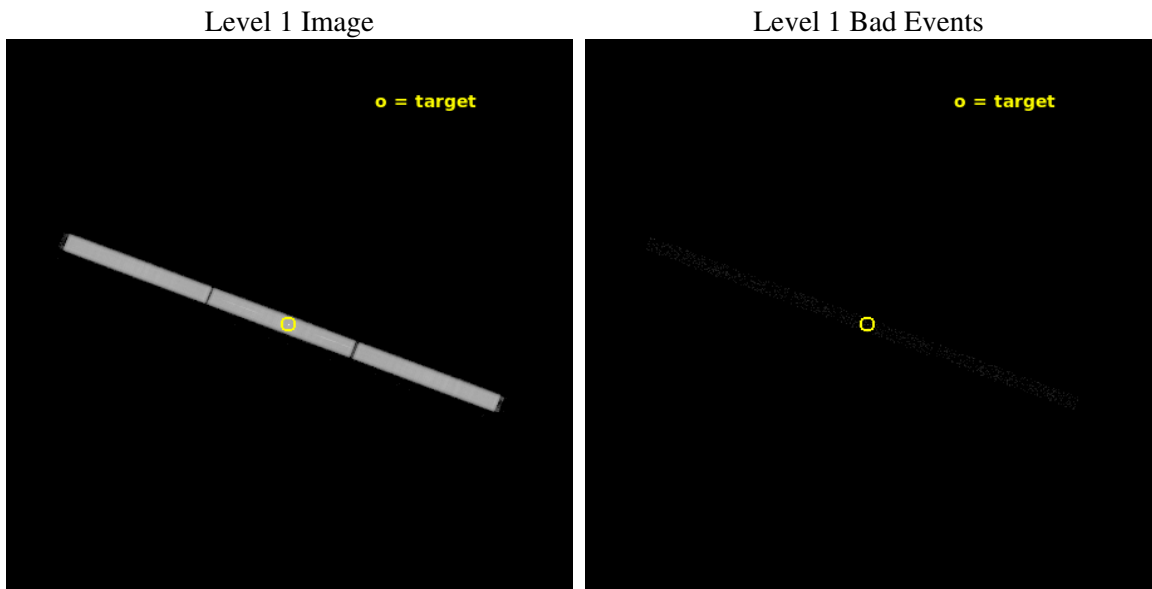
seq_num	300160	Sequence number
obs_id	5444	Observation id
title	Testing Accretion Scenarios at the Eddington Limit	Proposal title
observer	Dr. Vadim Burwitz	Principal investigator
object	RXJ0513.9-6951	Source name
ra_targ	78.461667	Observer's specified target RA [deg]
dec_targ	-69.863056	Observer's specified target Dec [deg]
ra_nom	78.451784115428	Nominal RA [deg]
dec_nom	-69.861484198158	Nominal Dec [deg]
roll_nom	201.25646027475	Nominal Roll [deg]
revision	7	Processing version of data
ontime	25160.93239665	[s]
livetime	24985.842247748	Ontime multiplied by DTCOR
l2events	1459818	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	2	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	25160.93239665	[s]
caldbver	4.9.2	 	l1events	2026974	Number of level 1 events
date	2020-10-08T12:04:01	Date and time of file creation	tgmethod	TGDETECT	Method used to create src1a file
revision	7	Processing version of data	zo_pos	(32677.73, 32723.18)	src1a sky pixel position

2.1.3 Events

Level 1 Events

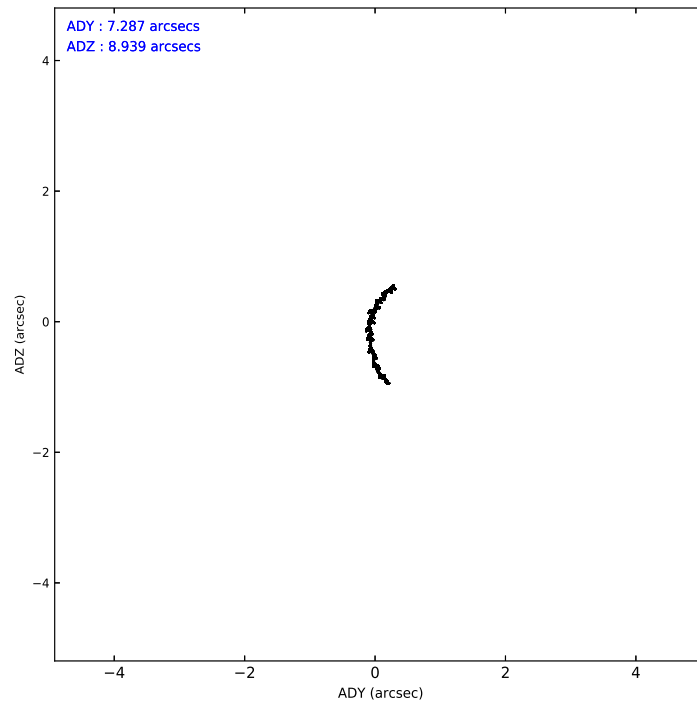
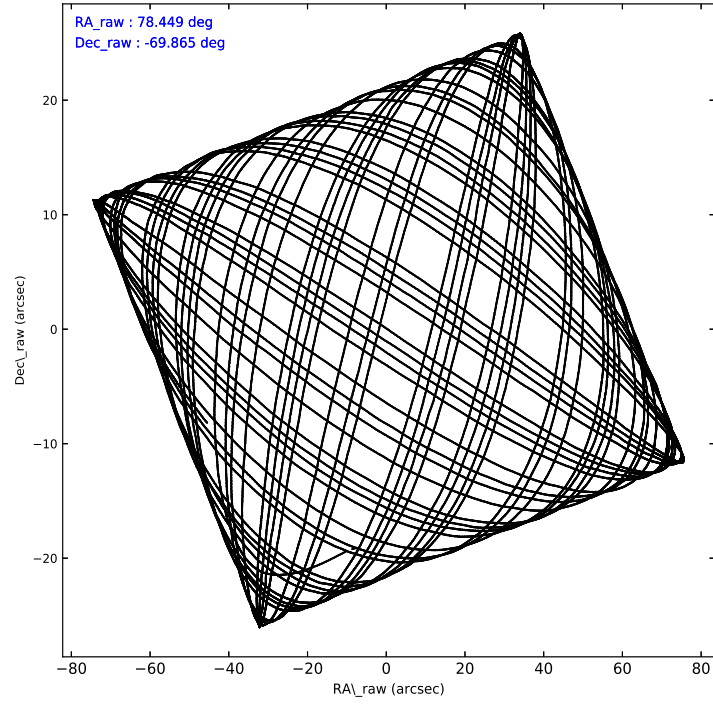
	segment 1	segment 2	segment 3
level 1 events	685314	671519	670141
rejected events	25710	23804	24827
rejected %	3%	3%	3%

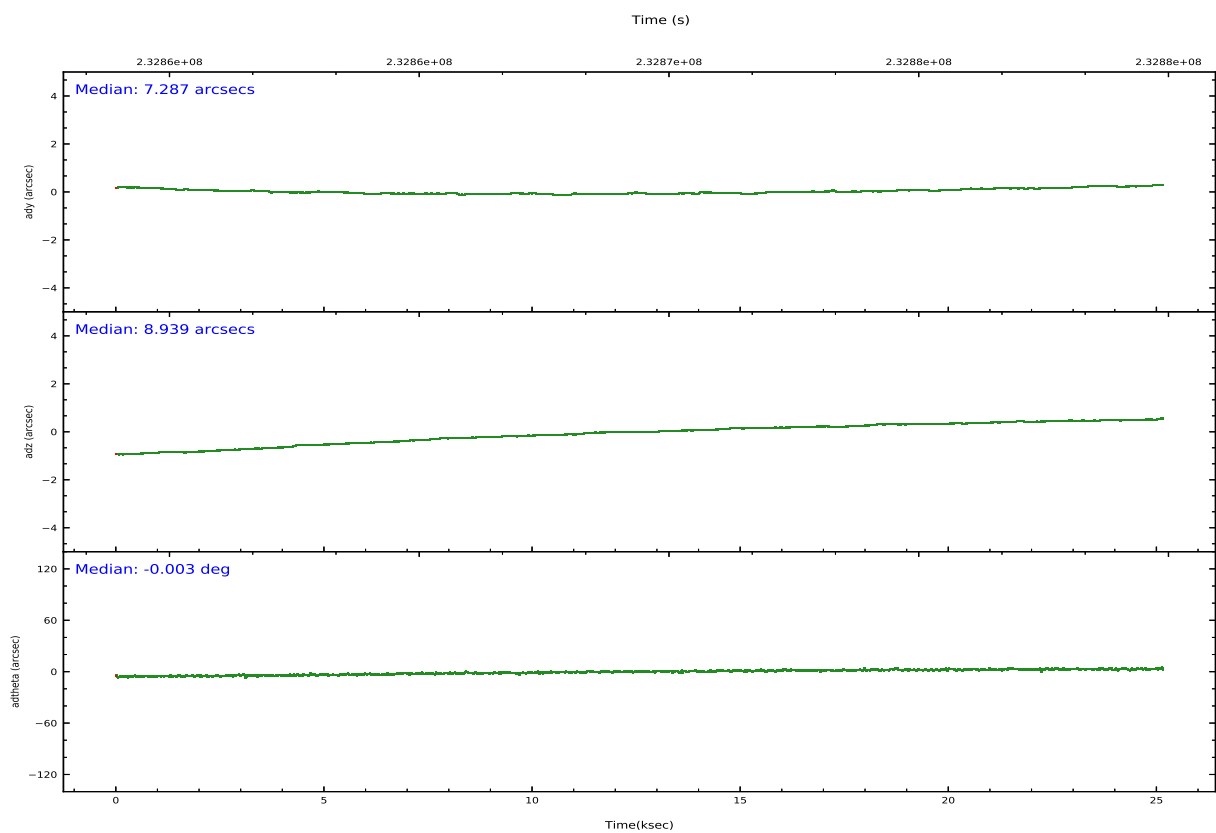
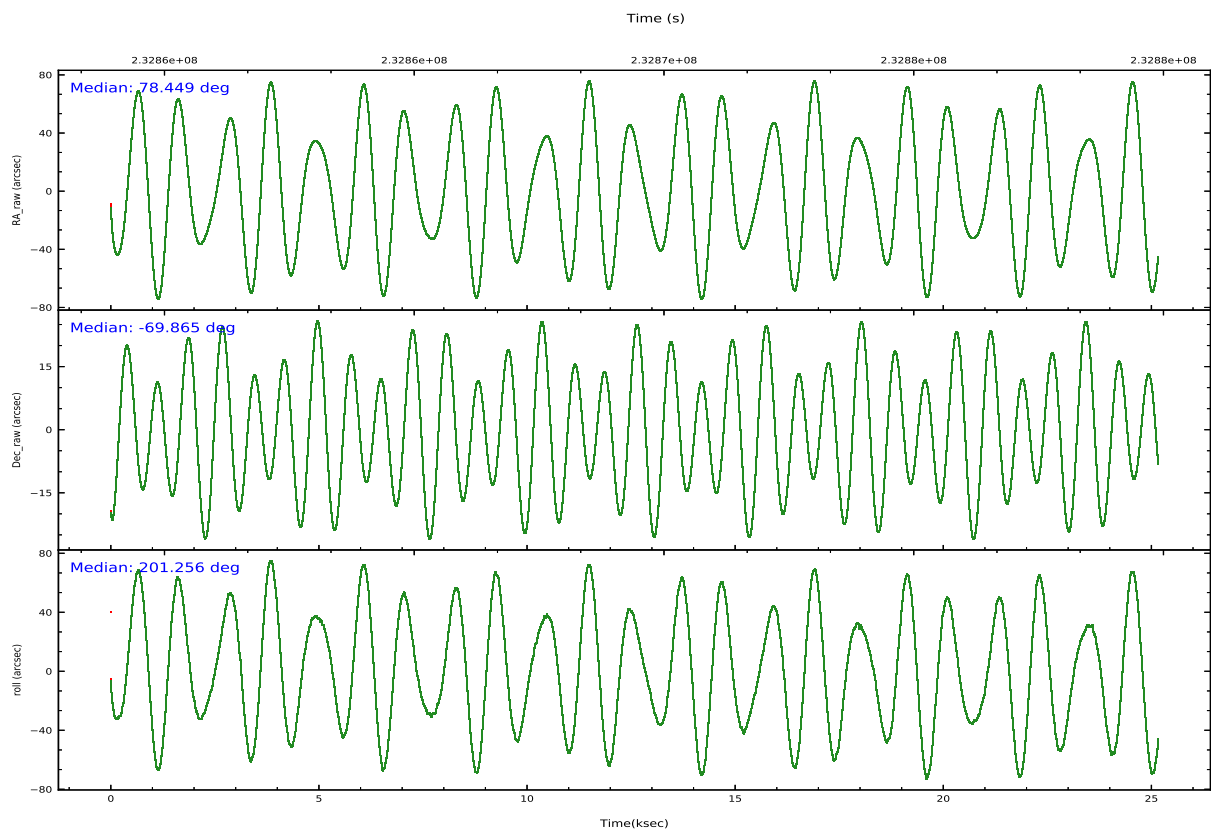
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	78.497523	78.451784115428
[deg] Pointing Dec	-69.841460	-69.861484198158
[deg] Pointing Roll	201.243881	201.25646027475
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	232856872.184000	232855859.57778
Observation start date	2005-05-19T02:26:48	2005-05-19T02:10:59
[s] Observation end time (MET)	232881872.184000	232882604.904
Observation end date	2005-05-19T09:23:28	2005-05-19T09:36:44

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



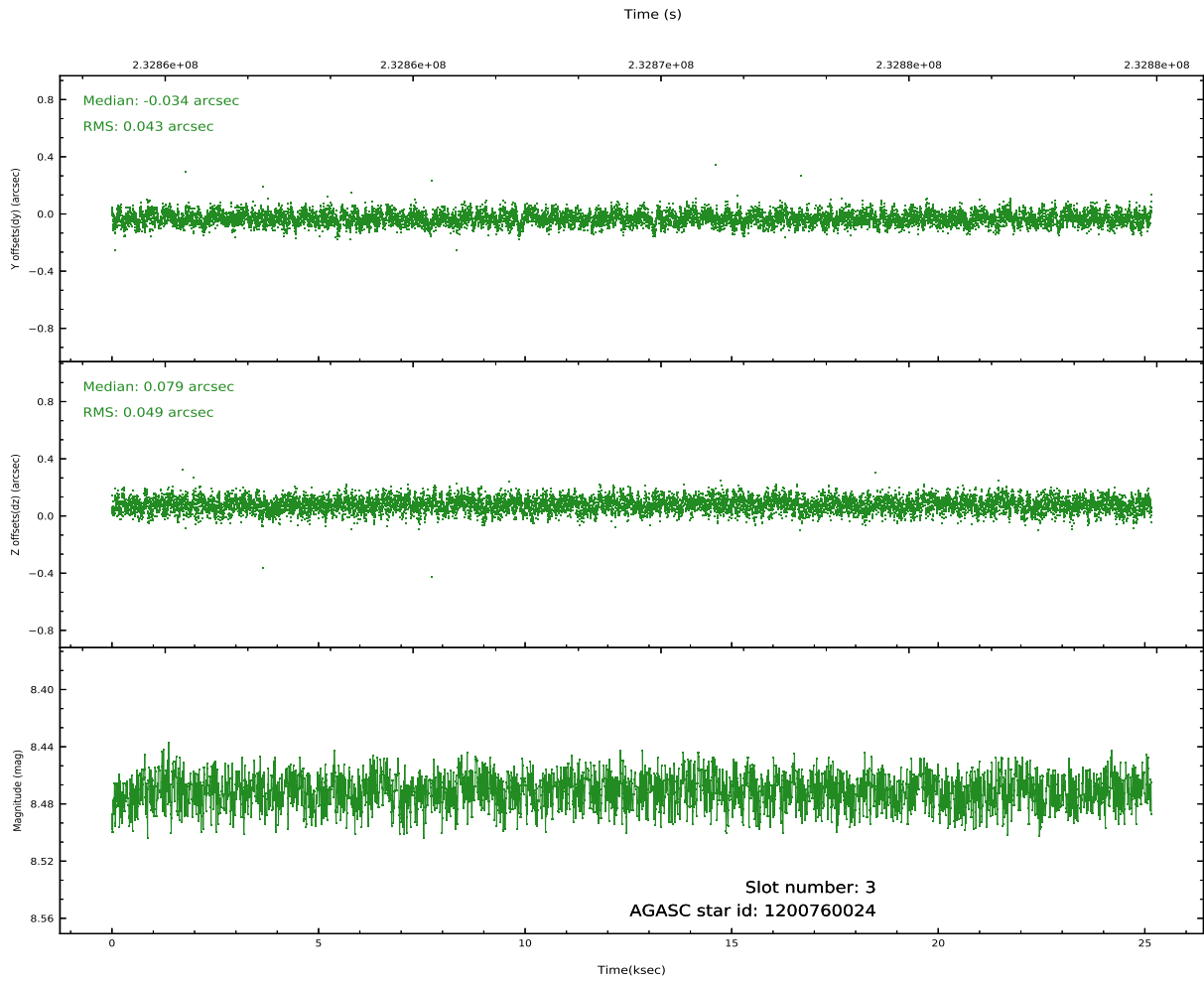
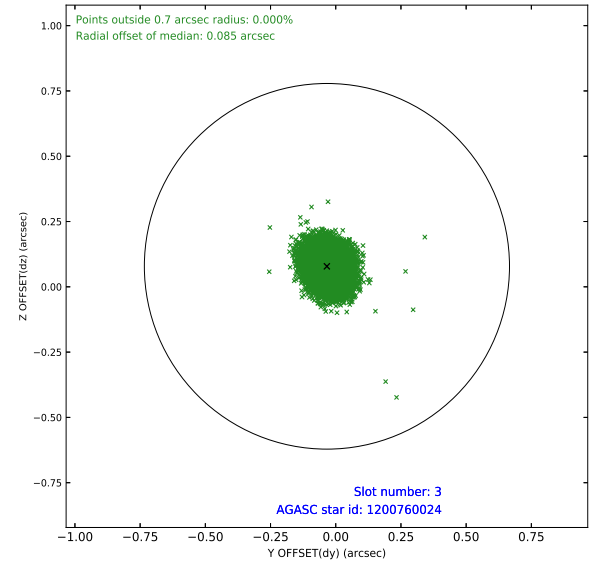
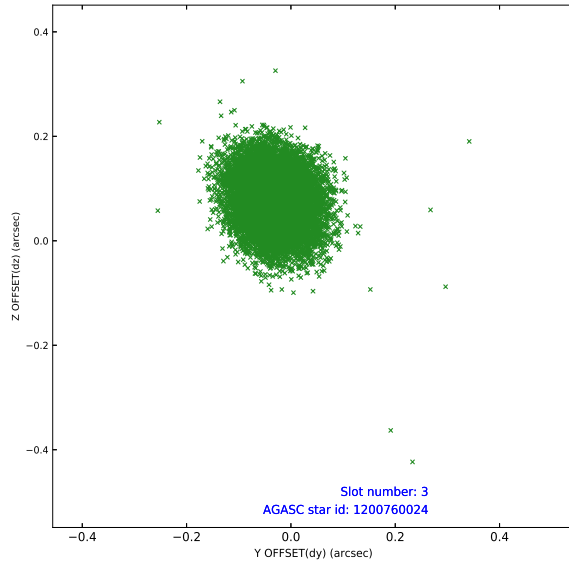


Slot Statistics

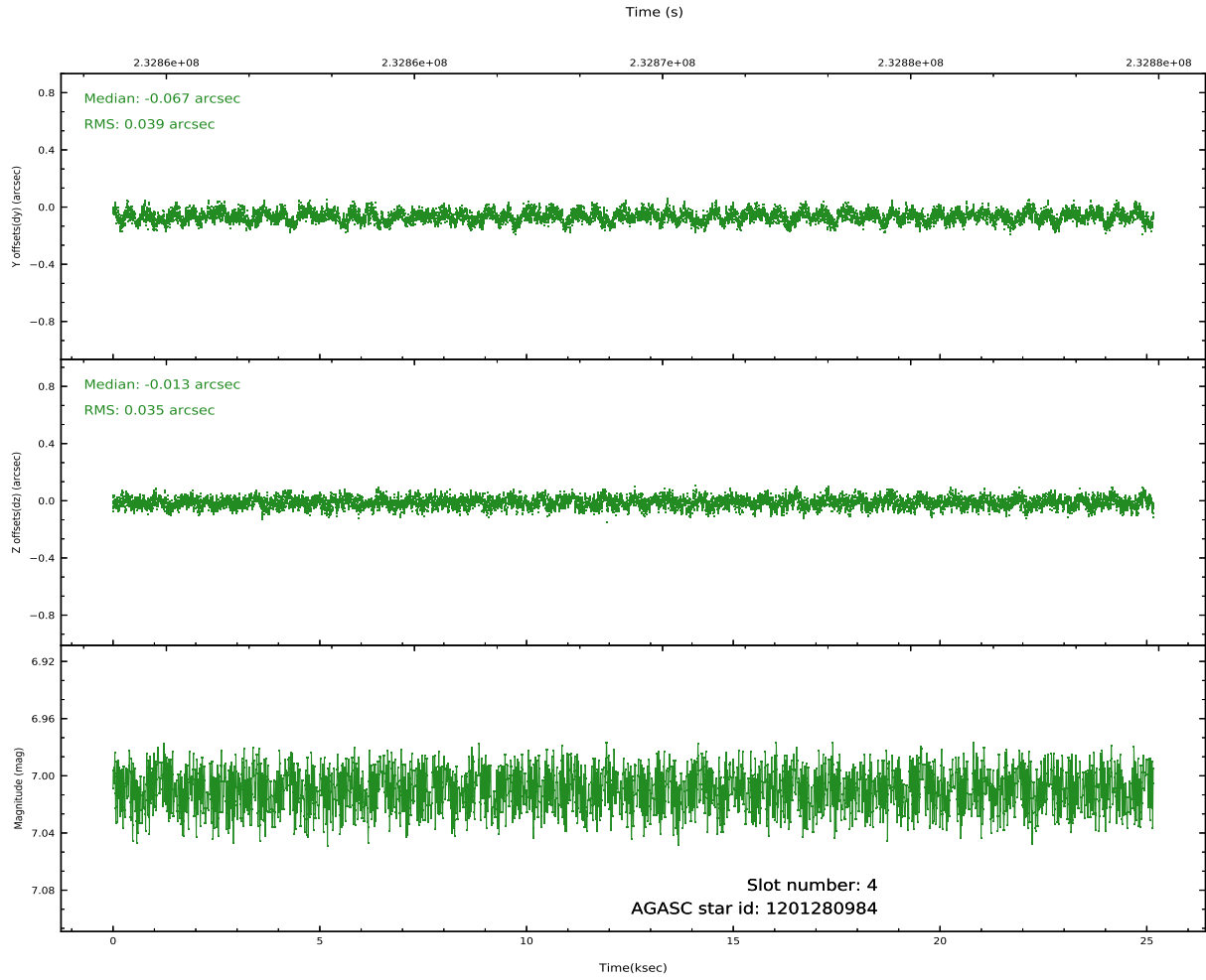
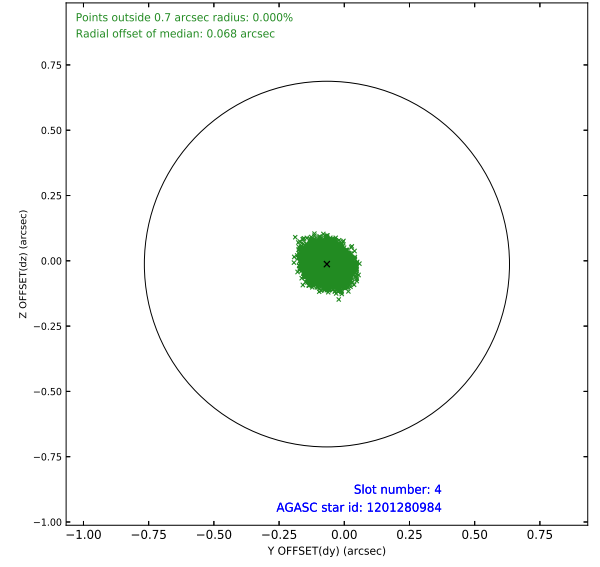
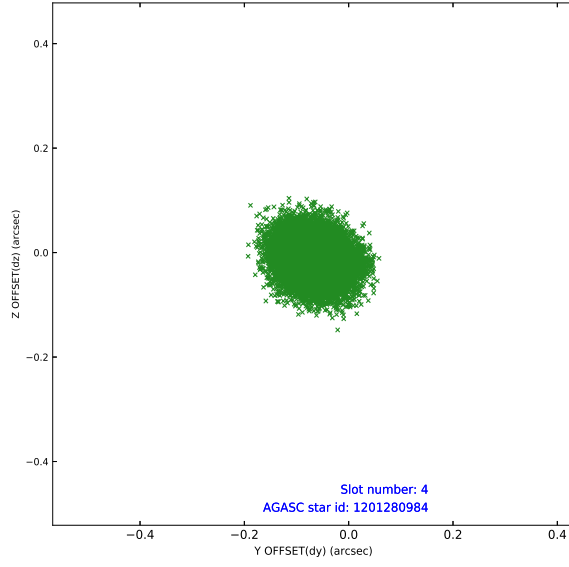
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-2	7.04	6138	1.000	0.205	-0.130	0.009	0.015	0.000000	0.000000	1238.28	-450
1	FID		HRC-S-3	7.05	6137	1.000	0.061	-0.068	0.009	0.014	0.000000	0.000000	-1164.06	572
2	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0
3	GUIDE	used	1200760024	8.47	12274	1.000	-0.034	0.079	0.069	0.112	77.625244	-69.320410	357.36	-2142
4	GUIDE	used	1201280984	7.01	12274	1.000	-0.067	-0.013	0.057	0.088	77.867422	-69.546090	355.55	-1274
5	GUIDE	used	1201409432	9.04	12270	1.000	0.030	-0.043	0.077	0.127	79.317334	-70.259796	-381.09	1770
6	GUIDE	used	1201280072	8.53	12272	1.000	0.089	0.048	0.062	0.102	77.357470	-69.714246	1165.27	-929
7	GUIDE	used	1201411776	8.87	12265	1.000	-0.014	-0.072	0.099	0.154	79.010603	-70.456328	226.80	2289

2.4 Star Slots

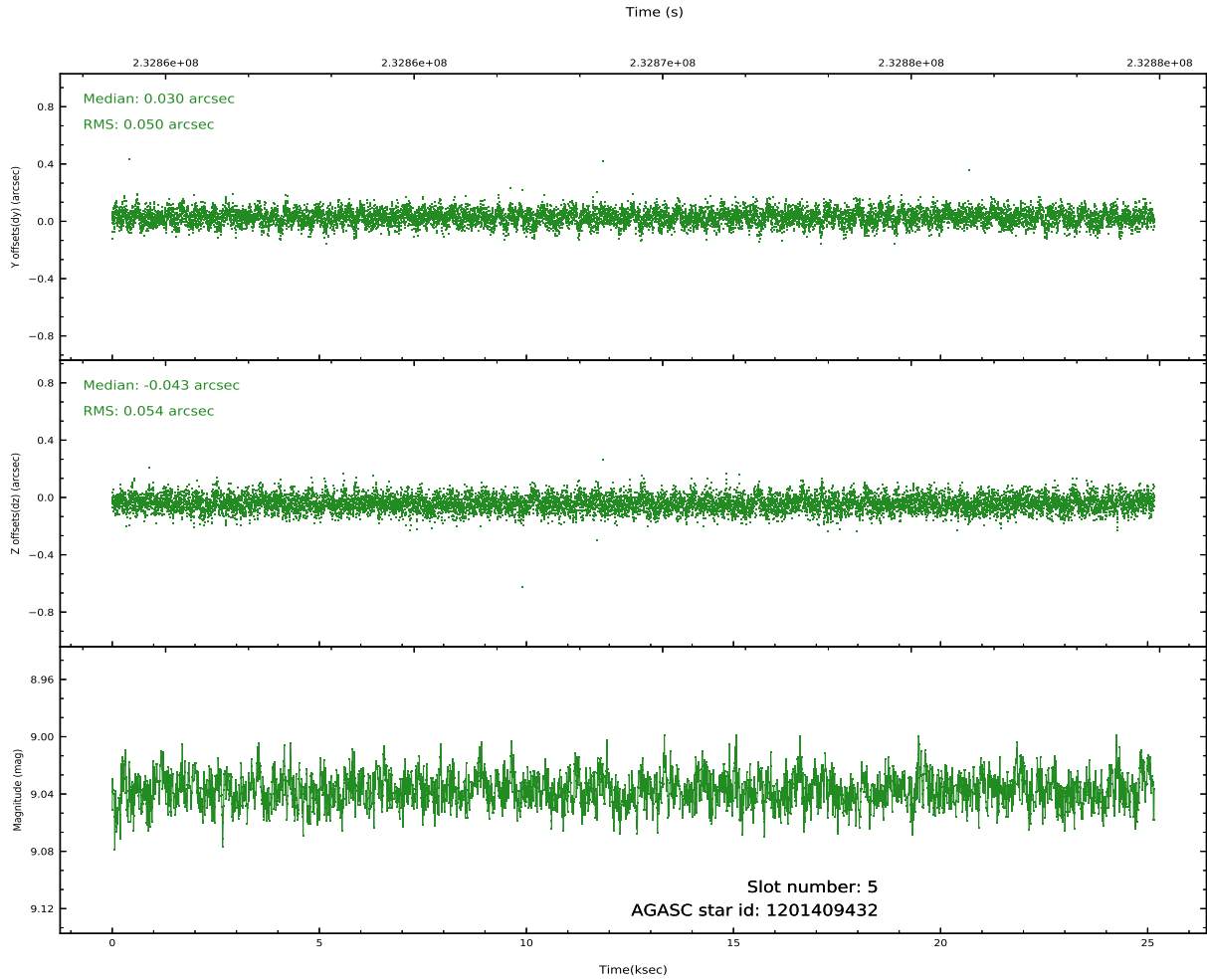
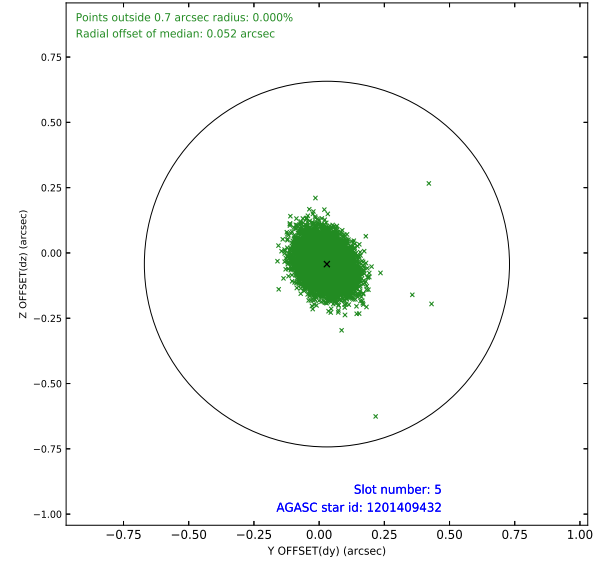
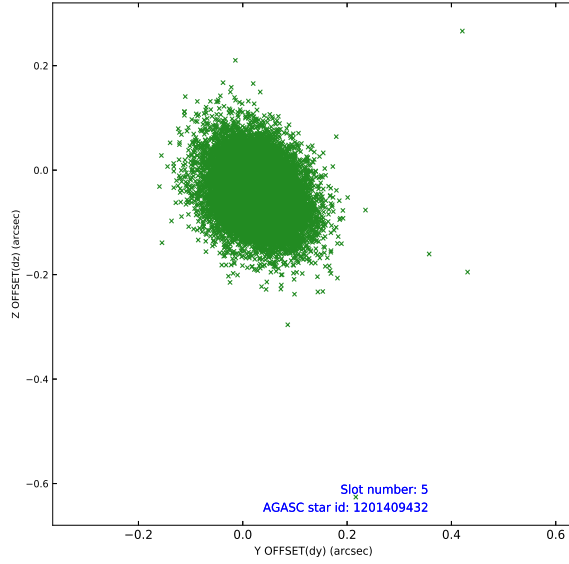
2.4.1 Slot 3



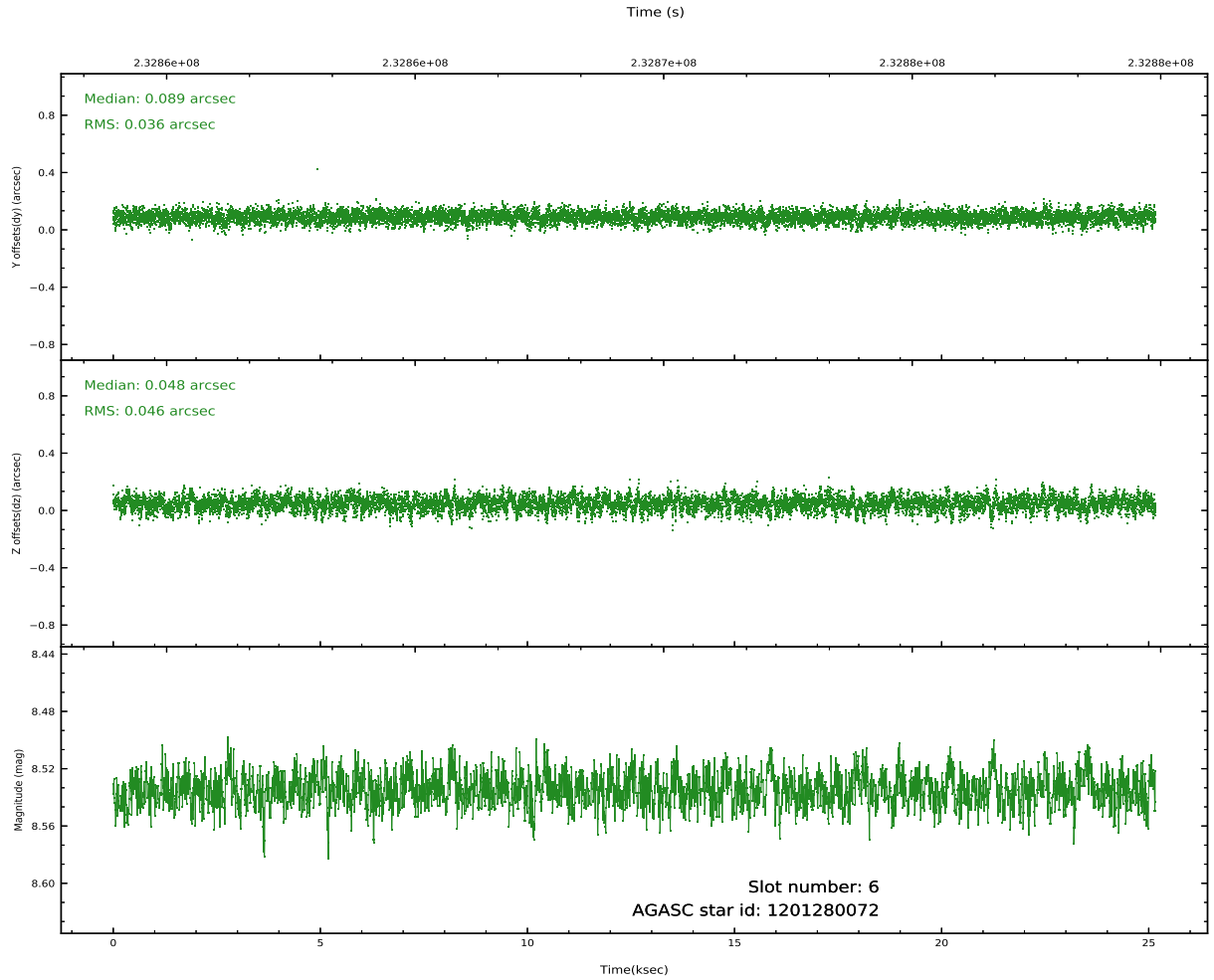
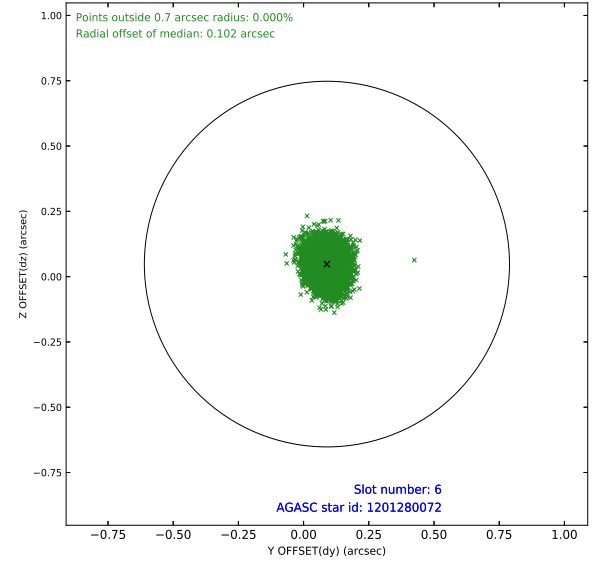
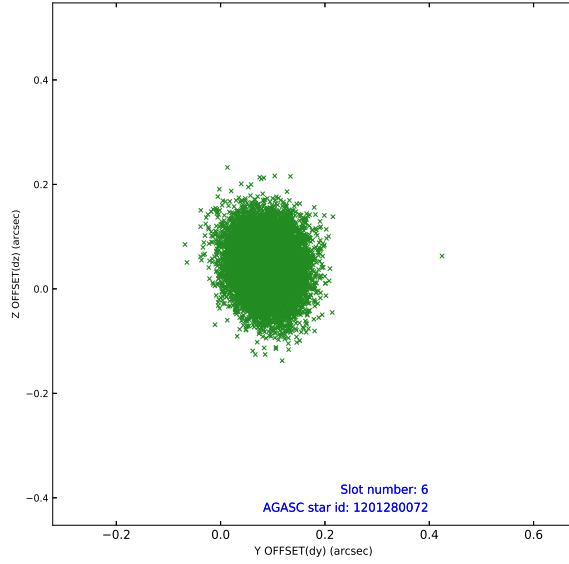
2.4.2 Slot 4



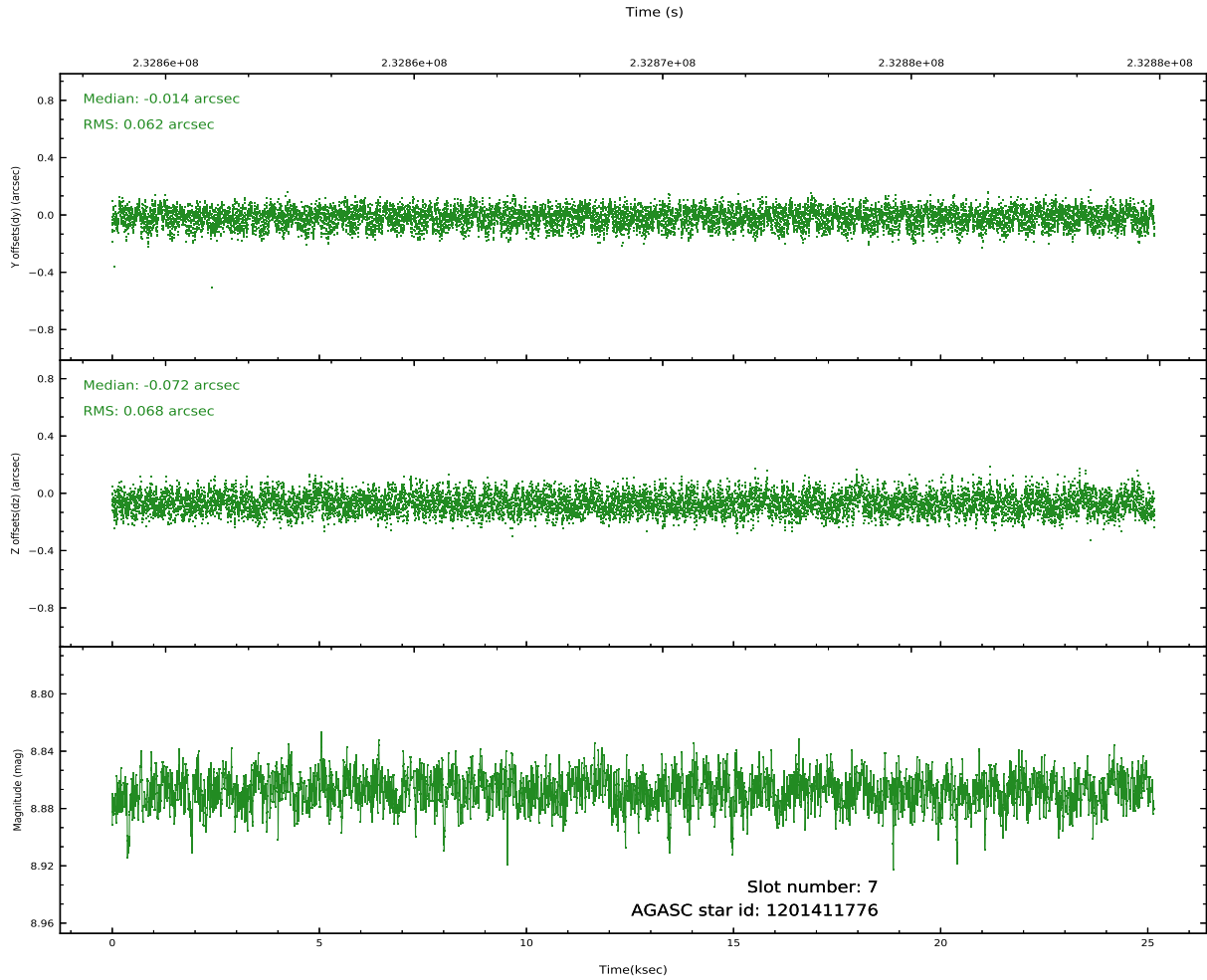
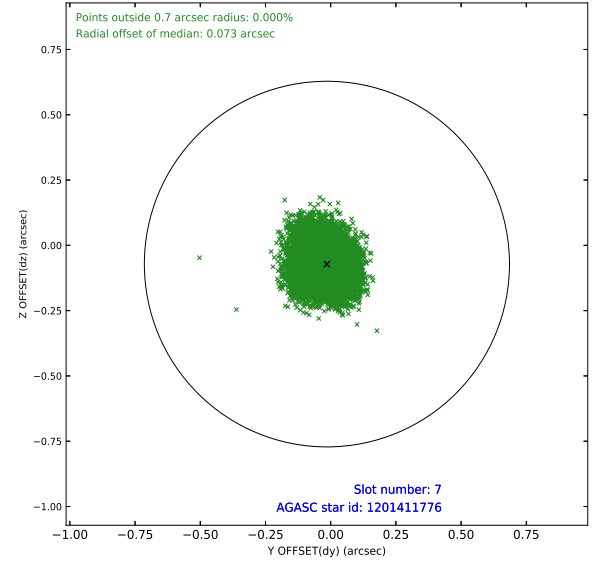
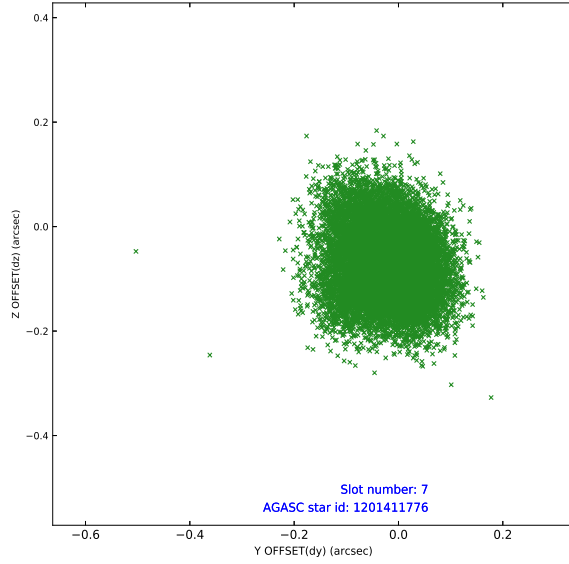
2.4.3 Slot 5



2.4.4 Slot 6

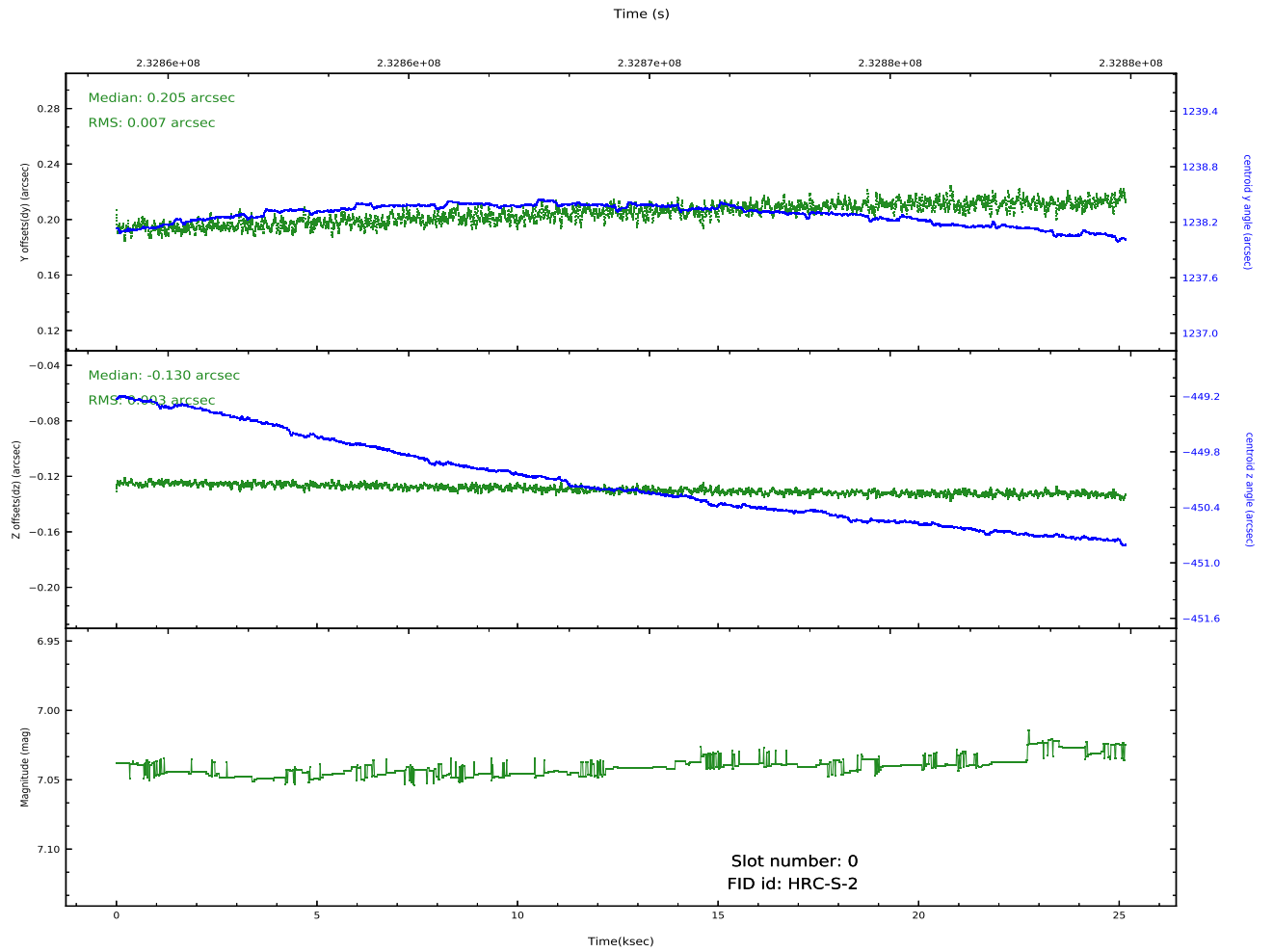
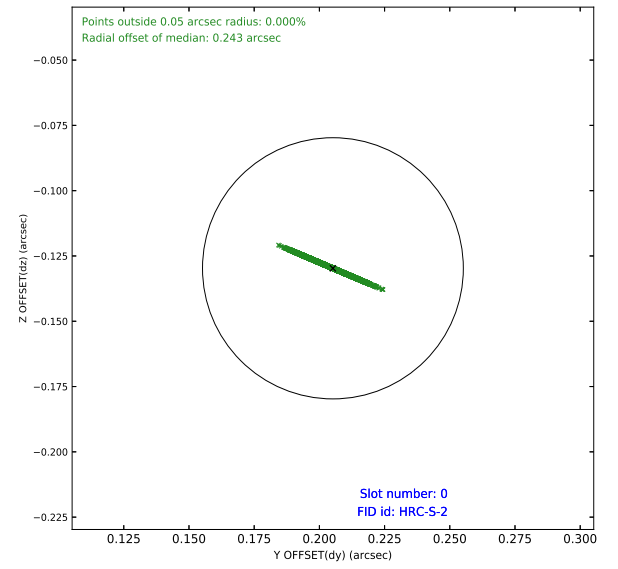
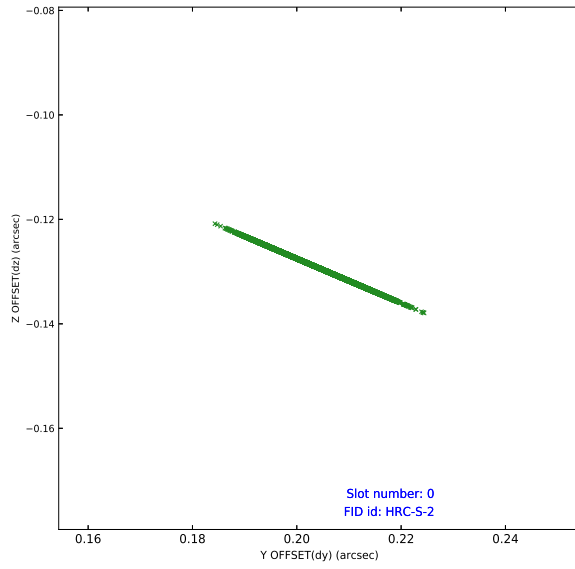


2.4.5 Slot 7

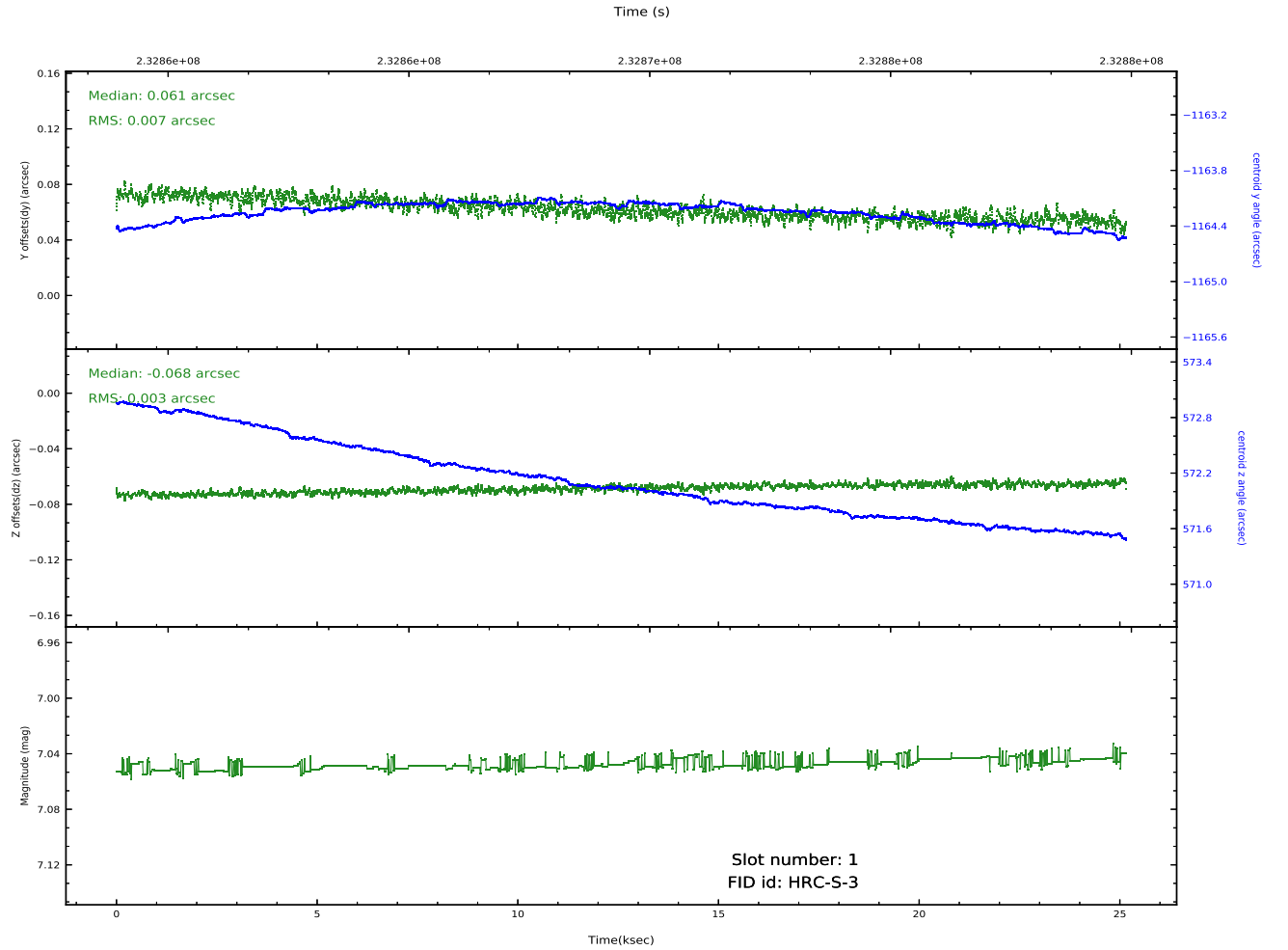
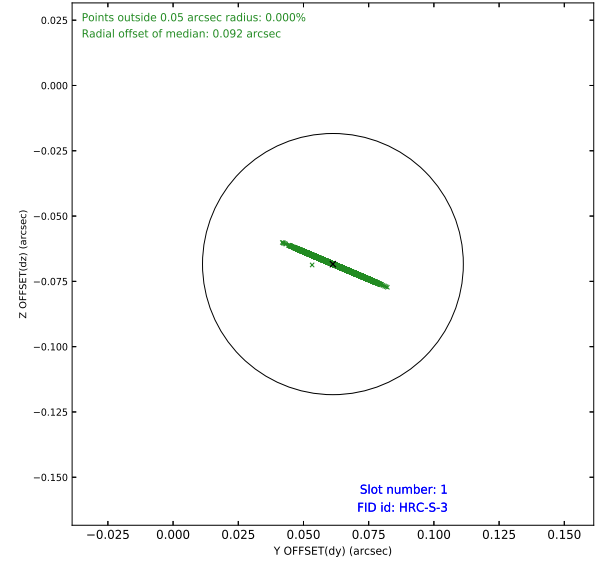
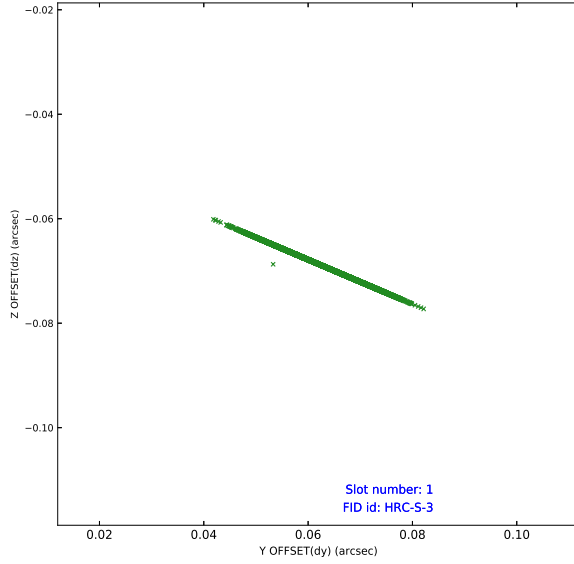


2.5 FID Slots

2.5.1 Slot 0

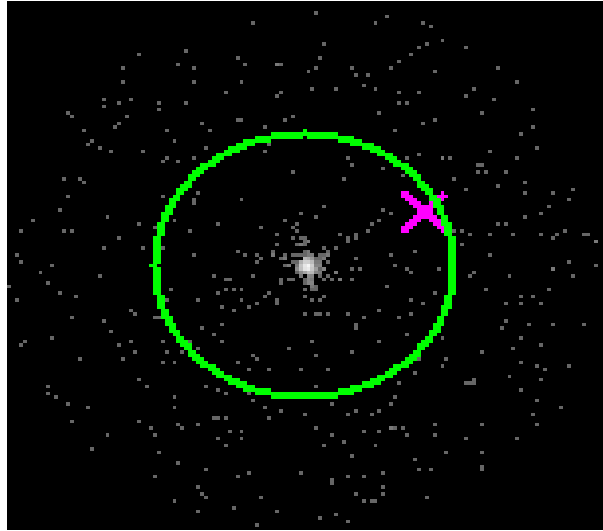


2.5.2 Slot 1

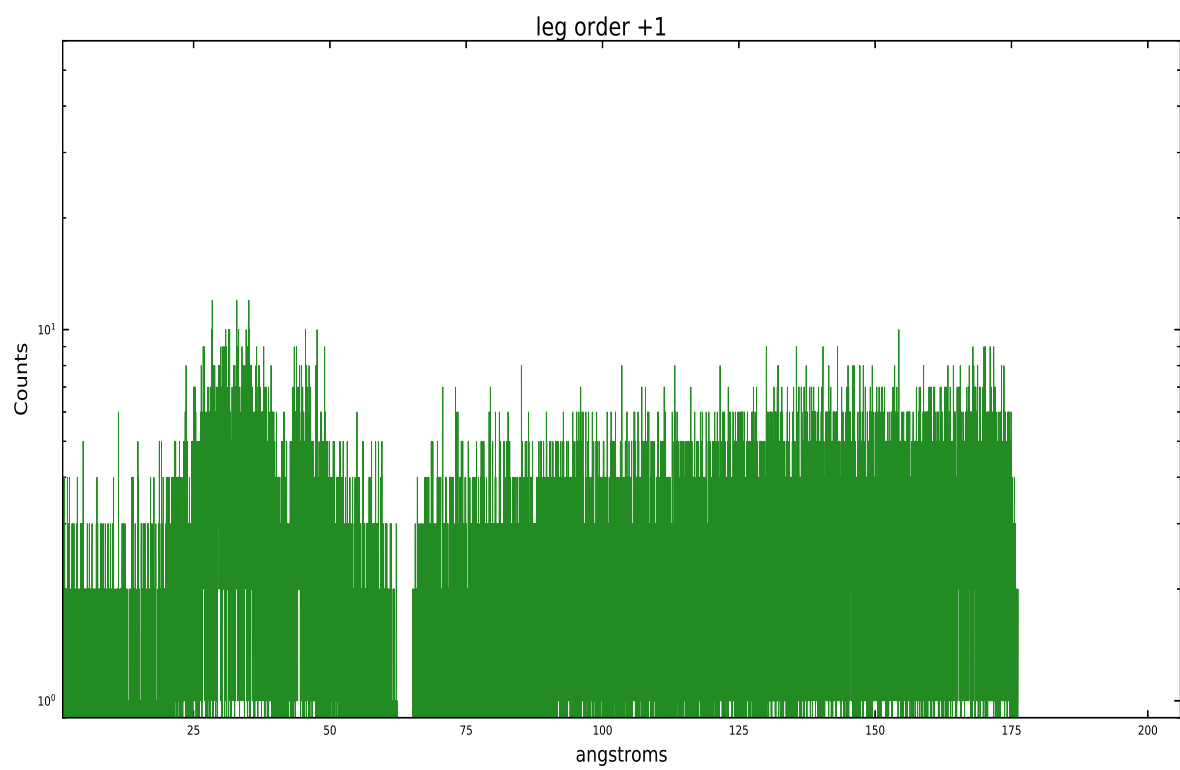
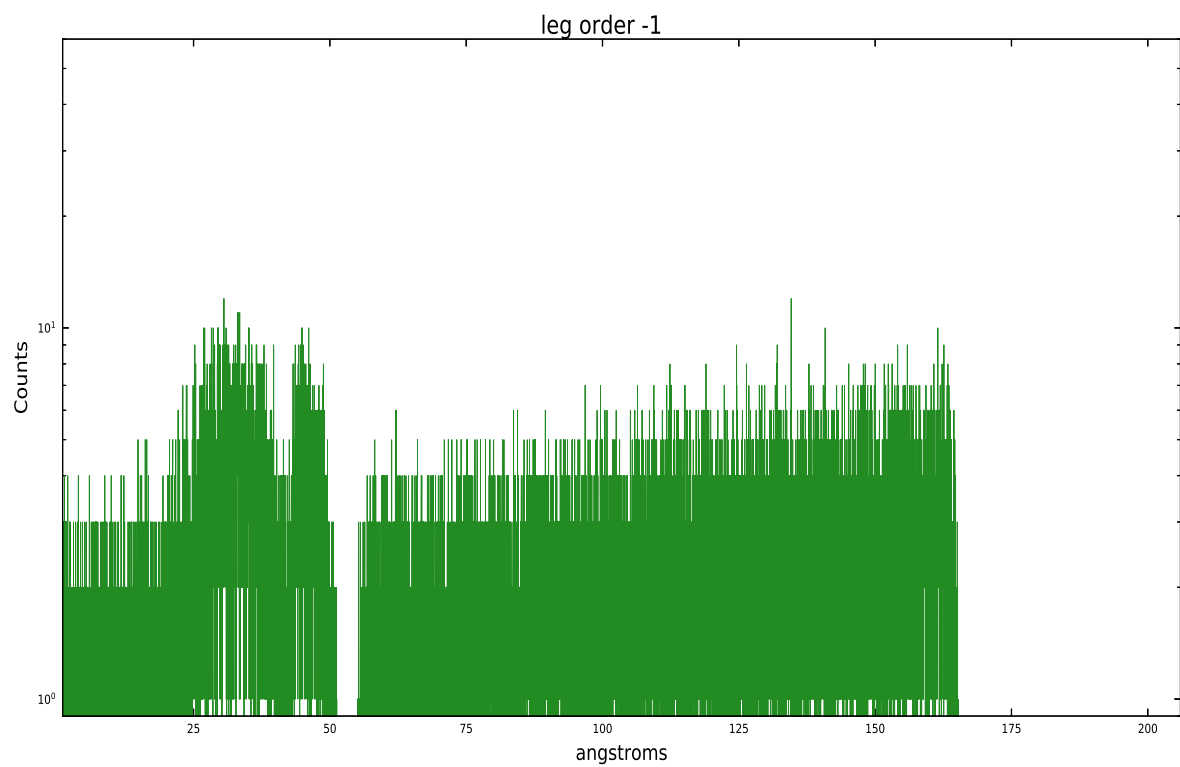


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.16093

A.2 Comments