

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6268 - L2 Version 4
Chandra X-Ray Center

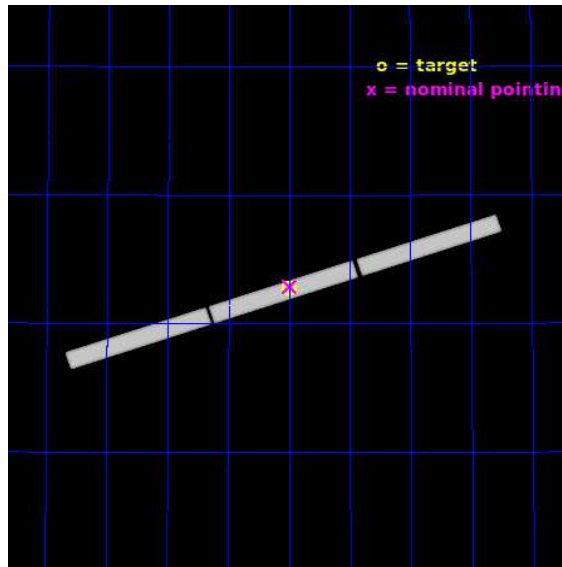
L2 Processing Date : Oct 7 2020

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1 Front

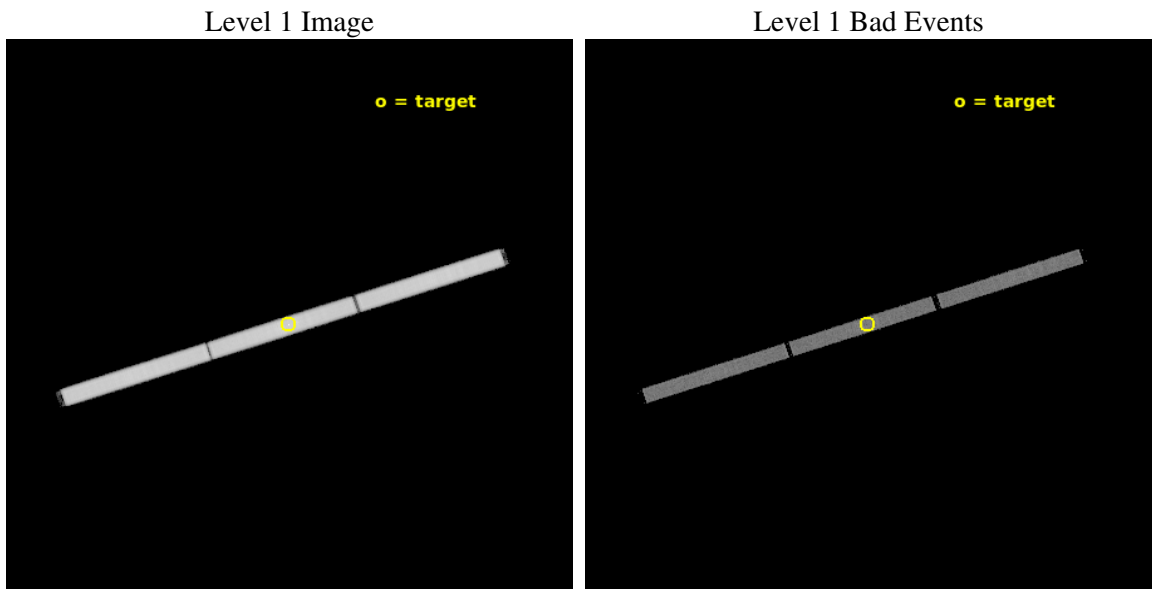
seq_num	701022	Sequence number
obs_id	6268	Observation id
title	Time variability of the warm outflow in NGC 5548	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	NGC 5548	Source name
ra_targ	214.498333	Observer's specified target RA [deg]
dec_targ	25.137056	Observer's specified target Dec [deg]
ra_nom	214.49649443099	Nominal RA [deg]
dec_nom	25.140399244876	Nominal Dec [deg]
roll_nom	161.4712953504	Nominal Roll [deg]
revision	4	Processing version of data
ontime	25185.532394797	[s]
livetime	25003.295103878	Ontime multiplied by DTCOR
l2events	1448232	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	25185.532394797	[s]
caldbver	4.9.2	 	l1events	2153536	Number of level 1 events
date	2020-10-07T23:33:48	Date and time of file creation	tgmethod	TGDETECT	Method used to create src1a file
revision	4	Processing version of data	zo_pos	(32729.05, 32673.80)	src1a sky pixel position

2.1.3 Events

Level 1 Events

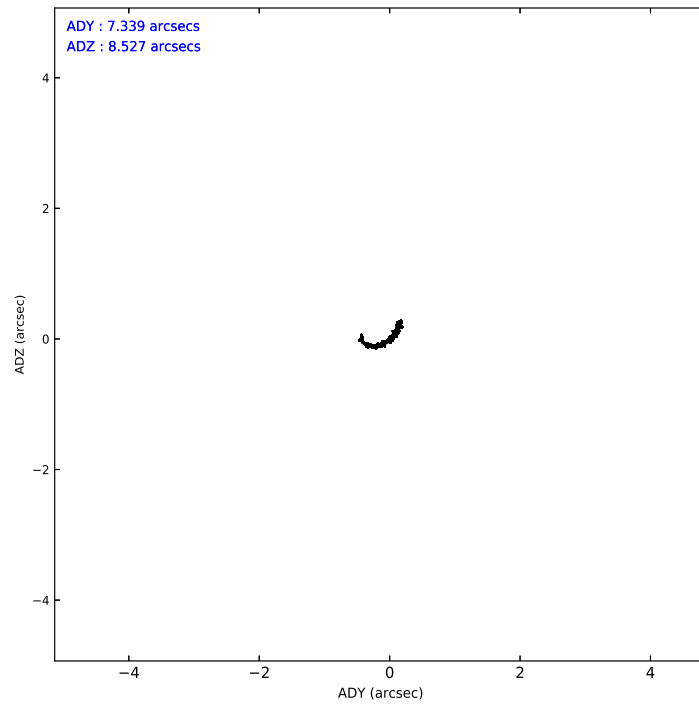
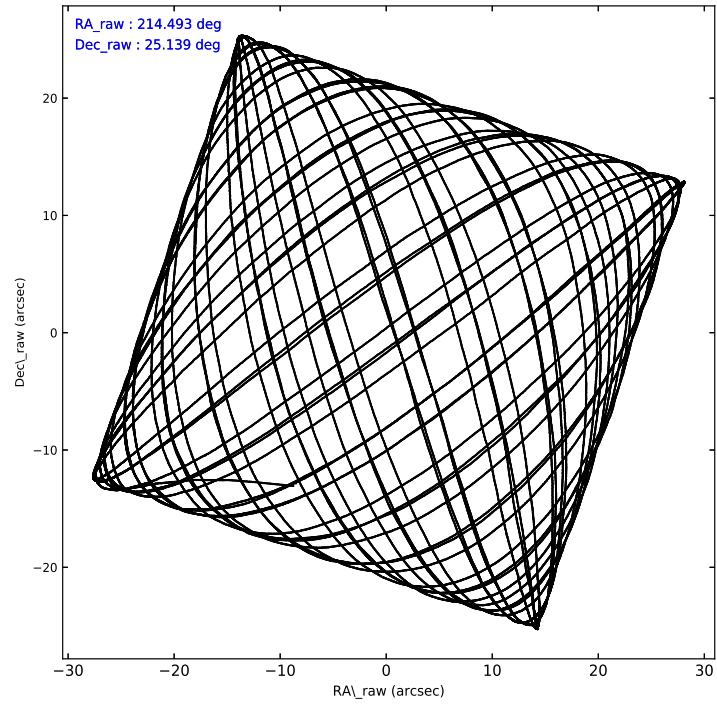
	segment 1	segment 2	segment 3
level 1 events	718979	710239	724318
rejected events	51271	50696	52073
rejected %	7%	7%	7%

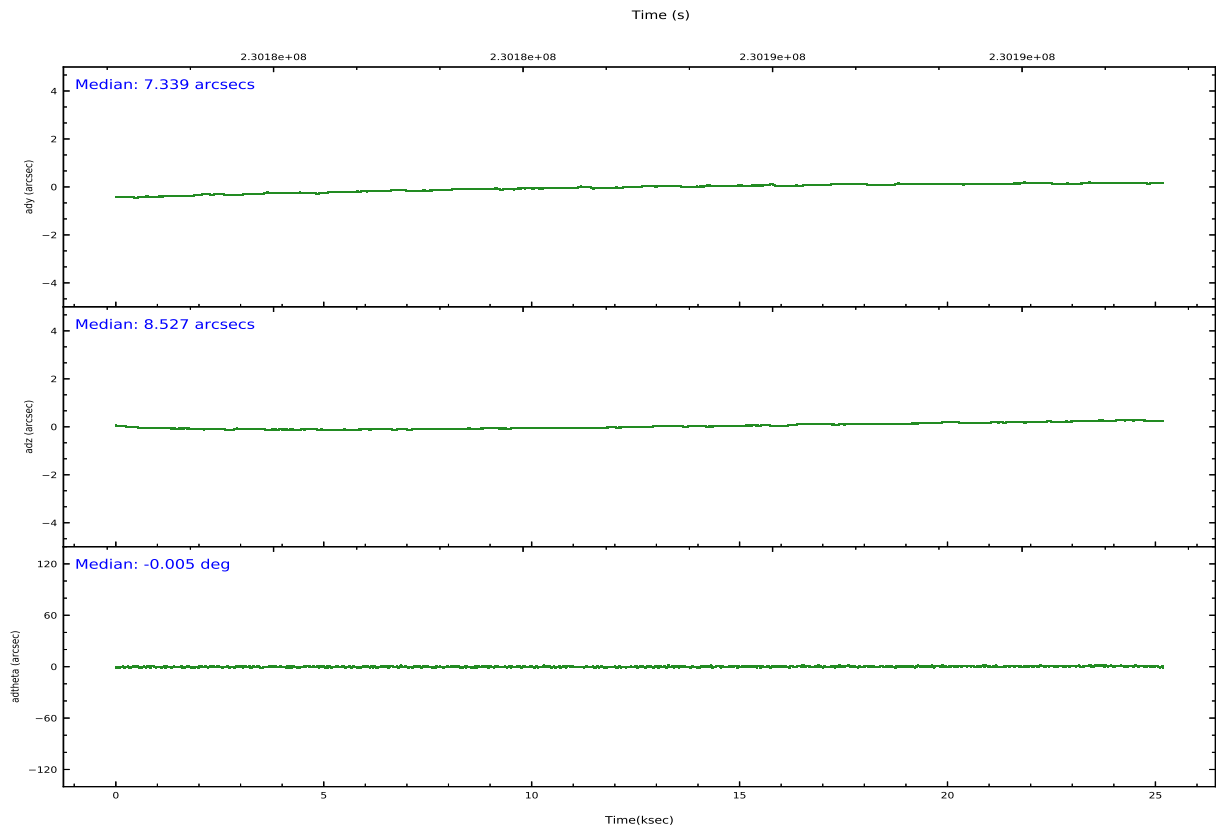
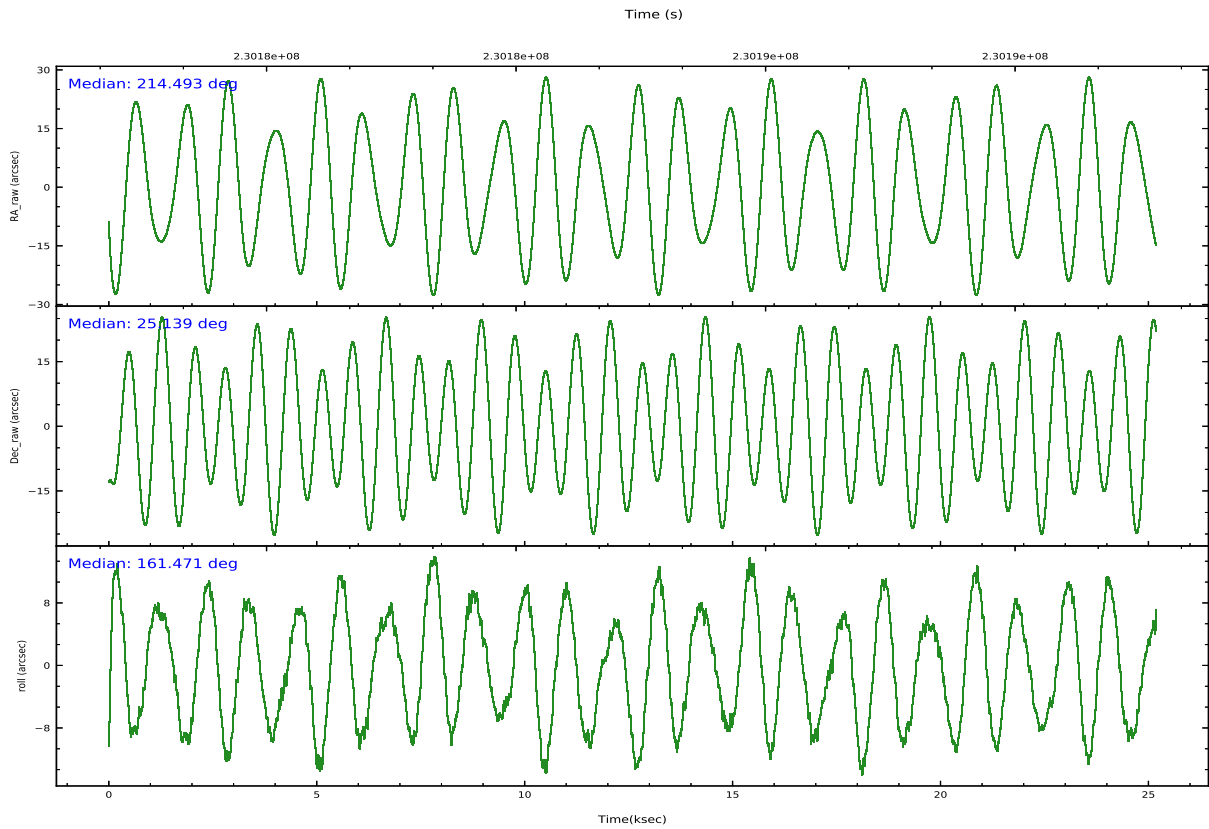
2.2 Compared Parameters

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	214.524099	214.49649443099
[deg] Pointing Dec	25.145740	25.140399244876
[deg] Pointing Roll	161.389050	161.4712953504
[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)	230172392.184000	230171536.1556
Observation start date	2005-04-18T00:45:28	2005-04-18T00:32:16
[s] Observation end time (MET)	230197392.184000	230198714.54434
Observation end date	2005-04-18T07:42:08	2005-04-18T08:05:14

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

2.3 Aspect





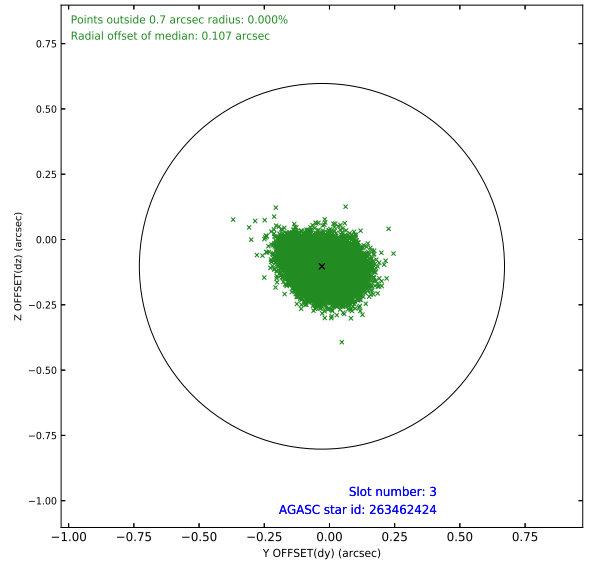
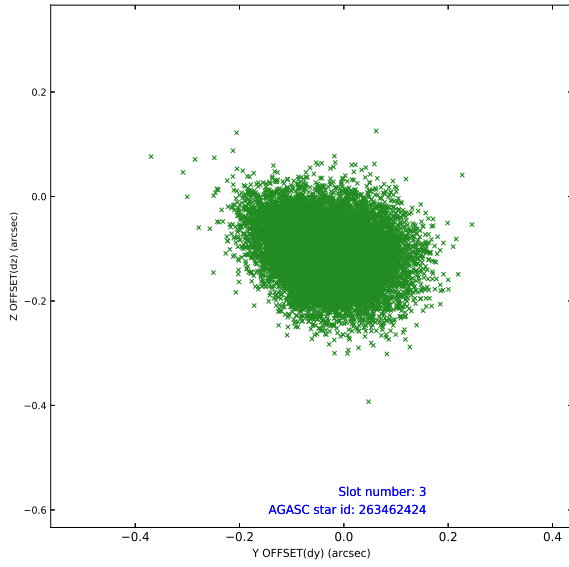
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.00	6143	1.000	0.097	-0.144	0.011	0.017	0.000000	0.000000	-1161.48	-457
1	FID		HRC-S-2	7.00	6143	1.000	0.195	-0.114	0.005	0.009	0.000000	0.000000	1238.11	-449
2	FID		HRC-S-3	7.01	6143	1.000	0.097	-0.044	0.011	0.019	0.000000	0.000000	-1164.02	572
3	GUIDE	used	263462424	8.92	12271	1.000	-0.029	-0.103	0.098	0.158	214.158904	25.947326	2042.25	-2358
4	GUIDE	used	263464240	9.57	12277	1.000	-0.005	0.103	0.114	0.181	213.729943	25.011897	2304.38	1276
5	GUIDE	used	263464688	9.21	12270	1.000	0.042	-0.004	0.094	0.151	214.654702	25.305283	-219.08	-679
6	GUIDE	used	263195064	9.28	12280	1.000	-0.031	0.041	0.097	0.163	215.129983	24.745063	-2336.11	730
7	GUIDE	used	263192808	9.59	12260	1.000	0.024	-0.037	0.103	0.171	215.197131	24.910235	-2351.64	97

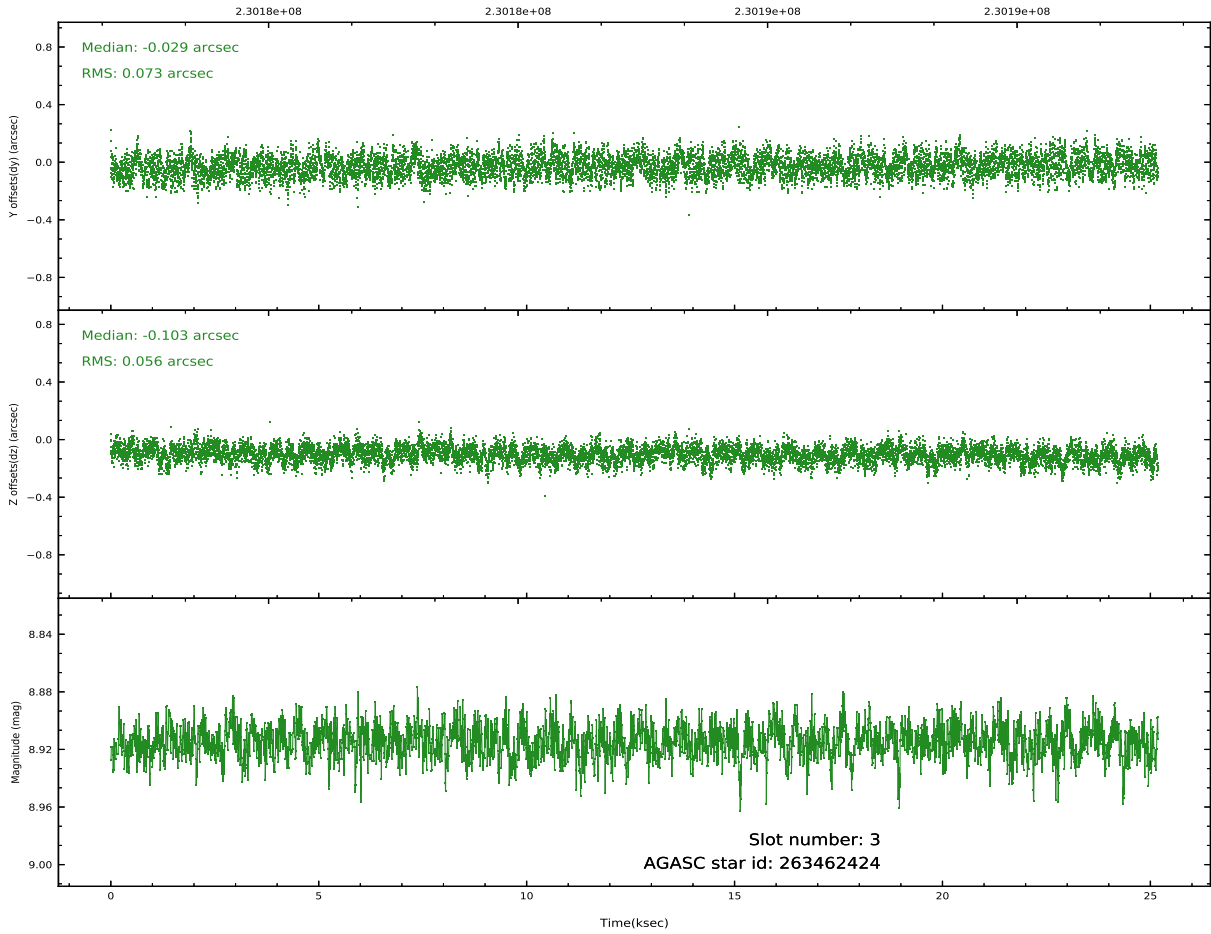
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2.4 Star Slots

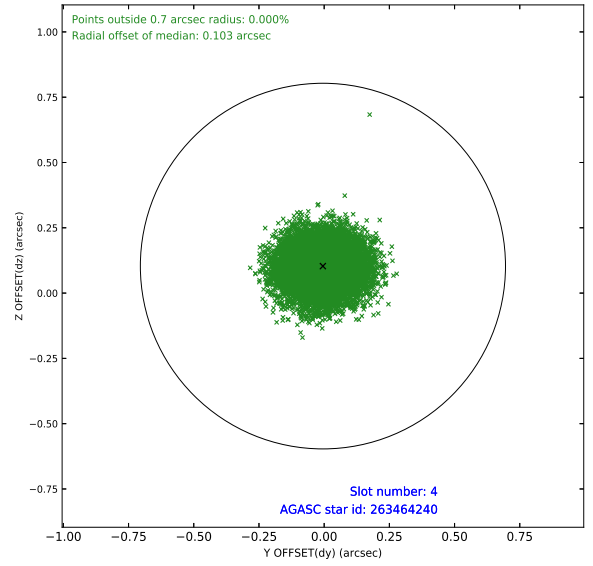
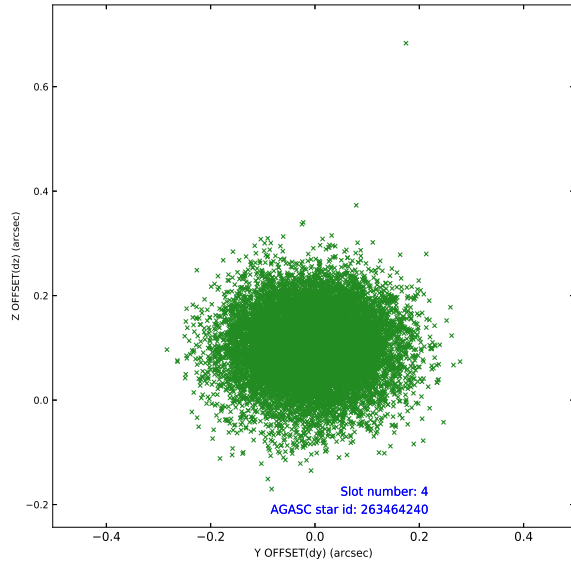
2.4.1 Slot 3



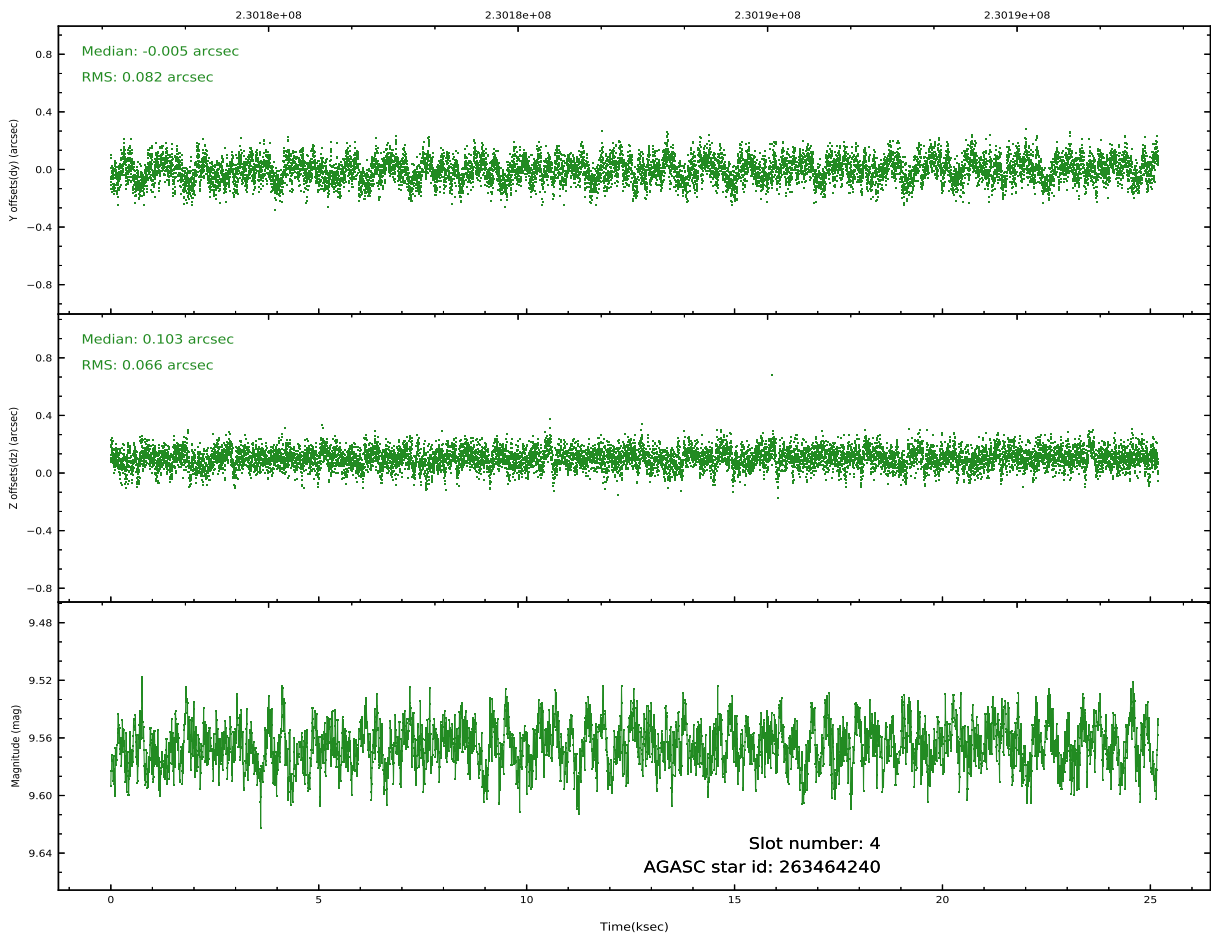
Time (s)



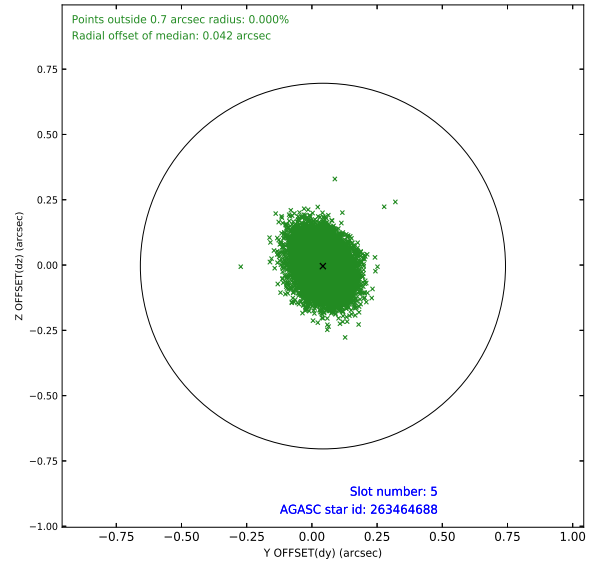
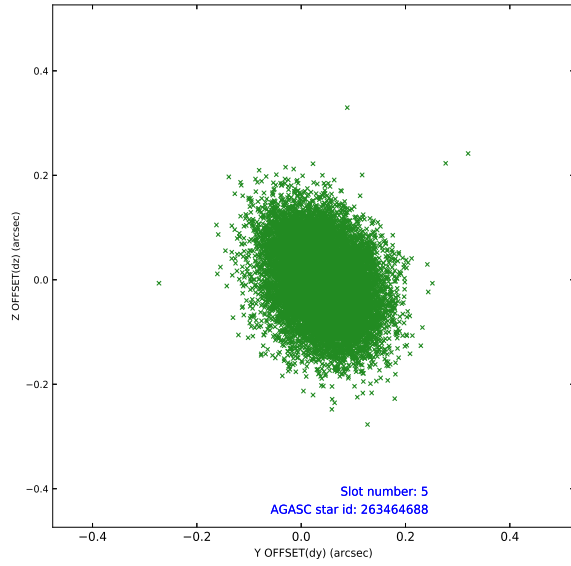
2.4.2 Slot 4



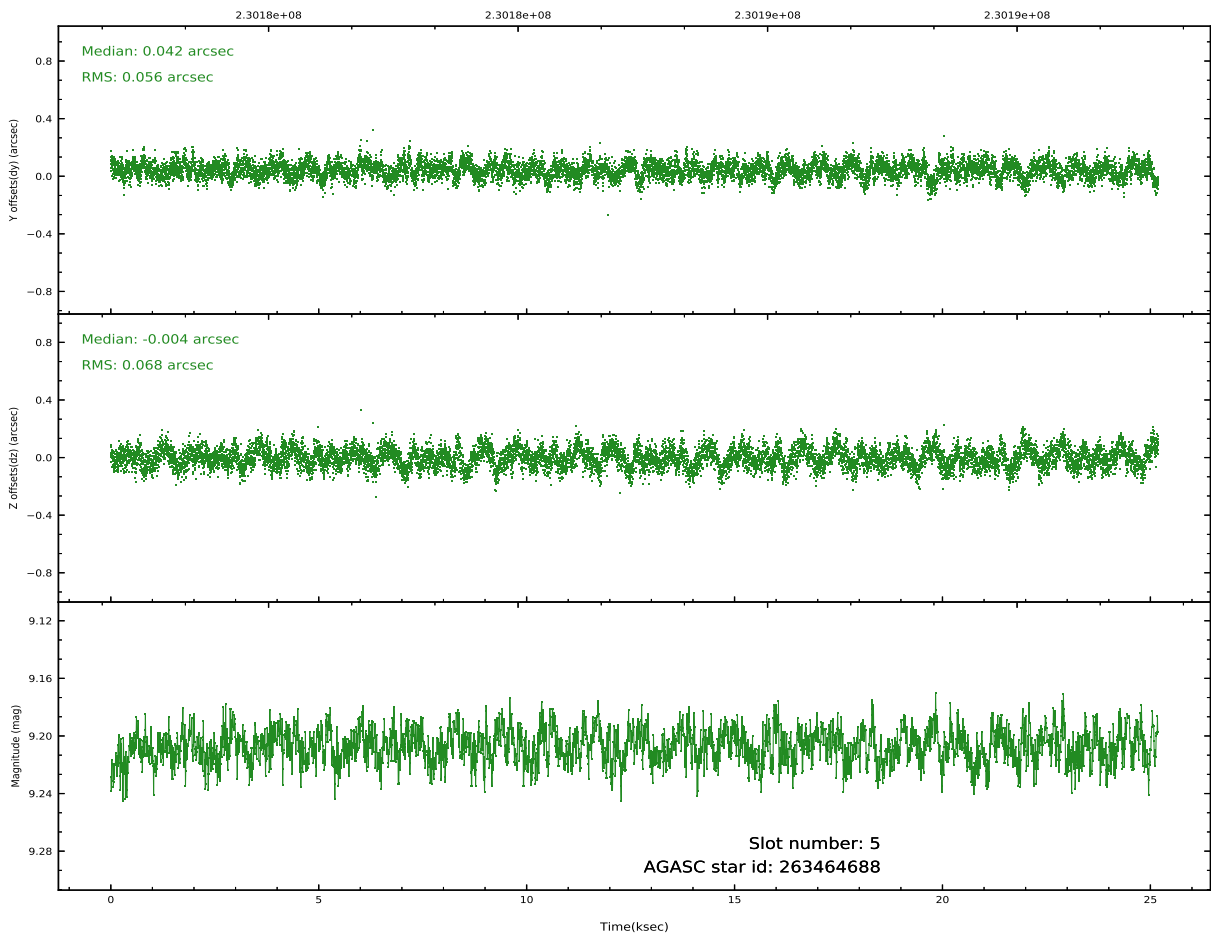
Time (s)



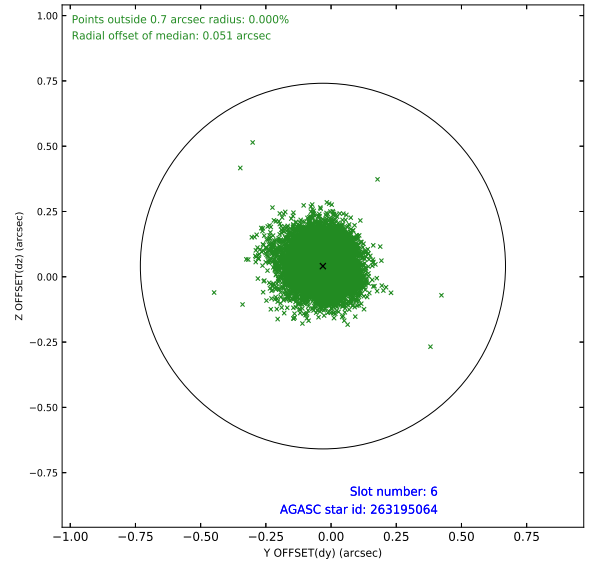
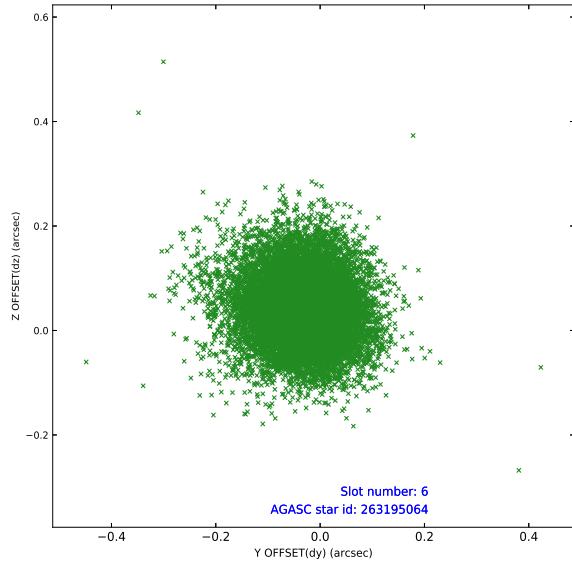
2.4.3 Slot 5



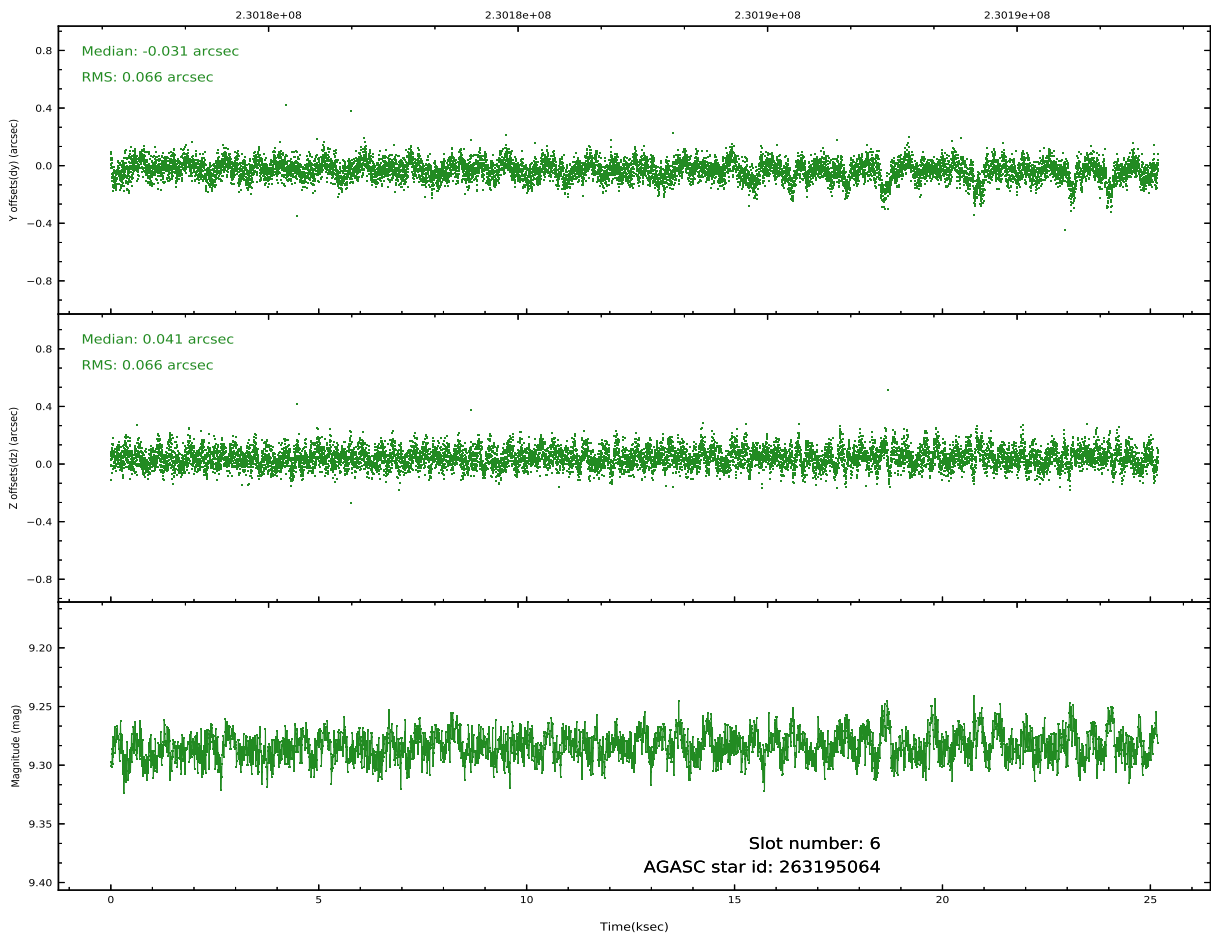
Time (s)



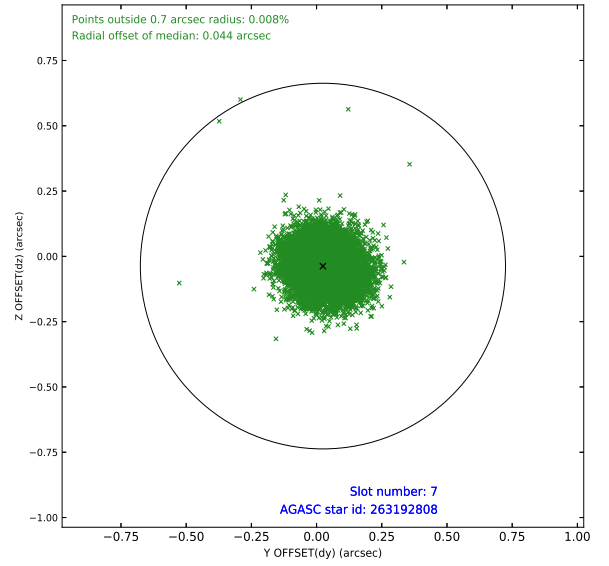
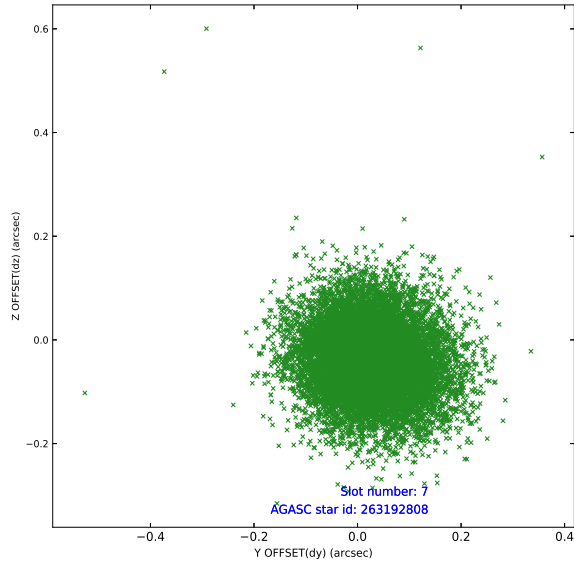
2.4.4 Slot 6



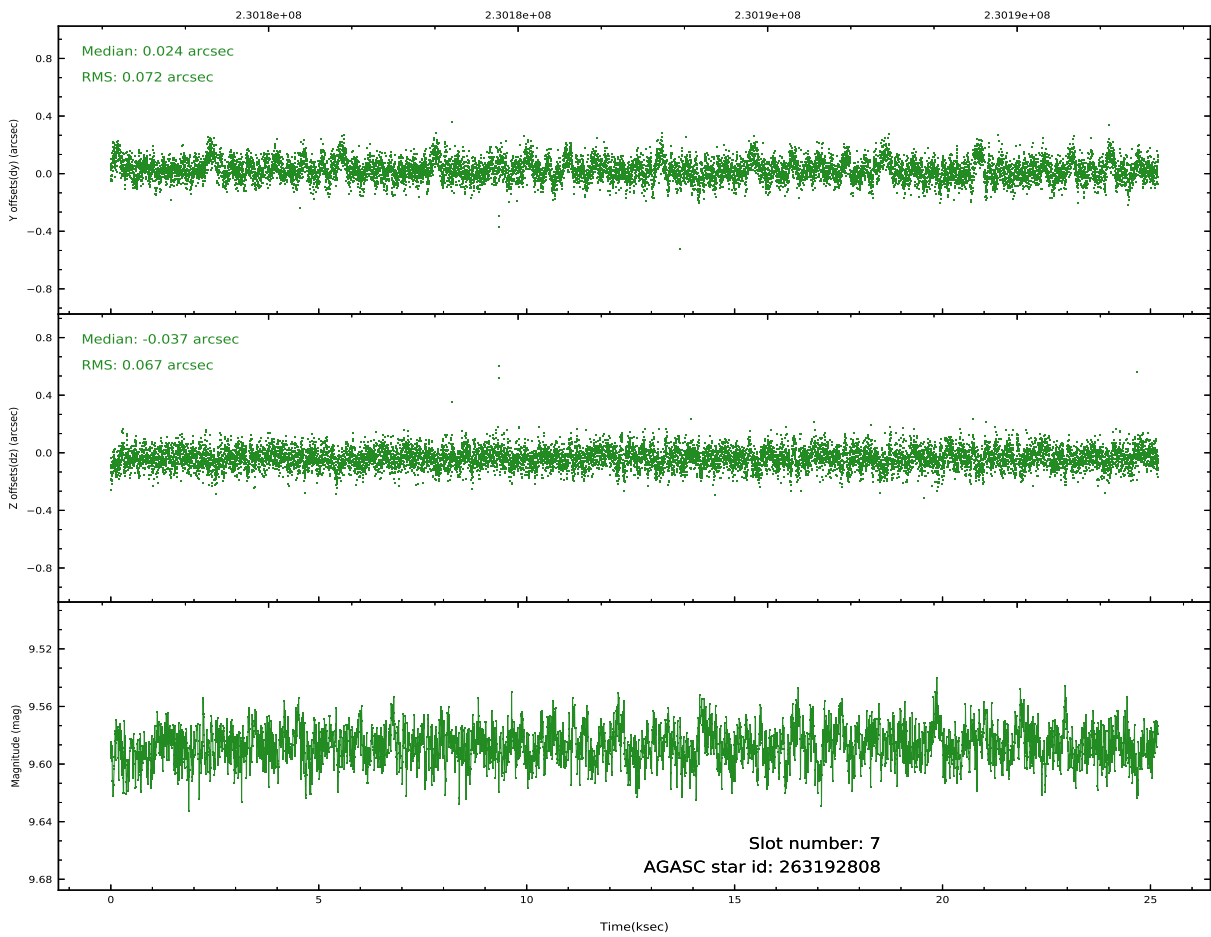
Time (s)



2.4.5 Slot 7

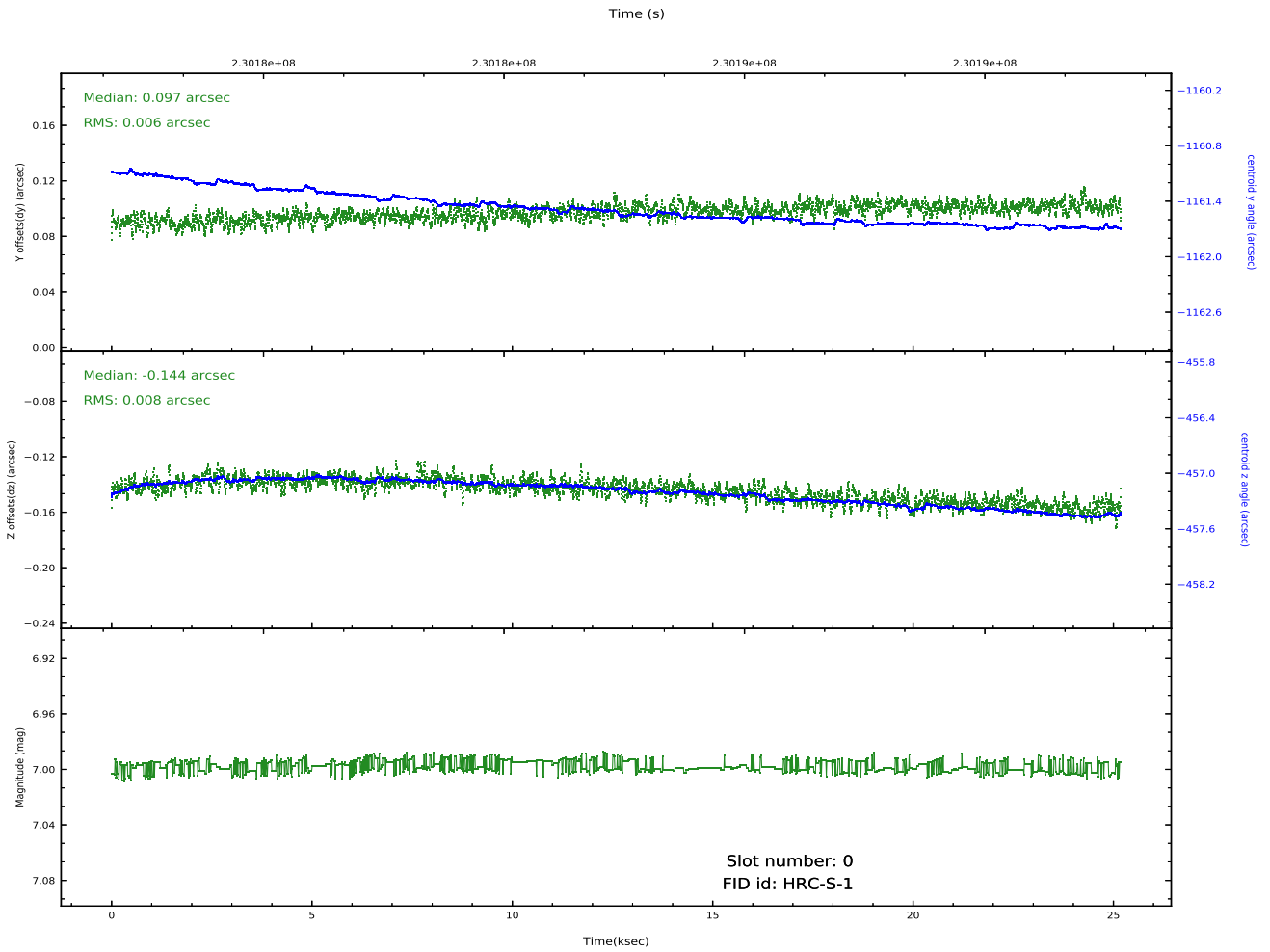
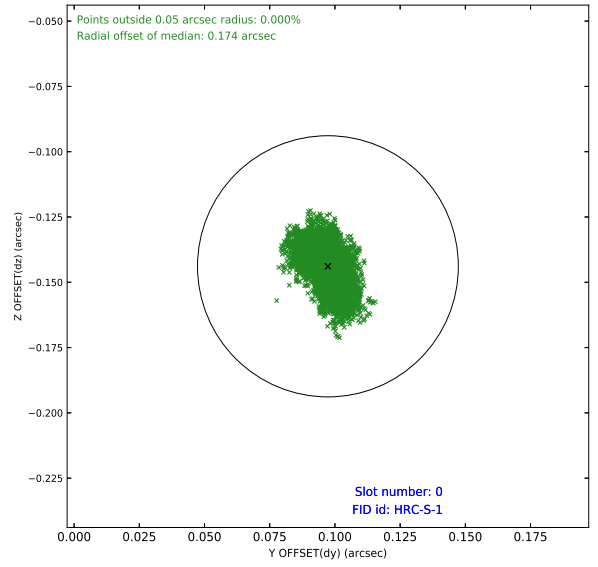
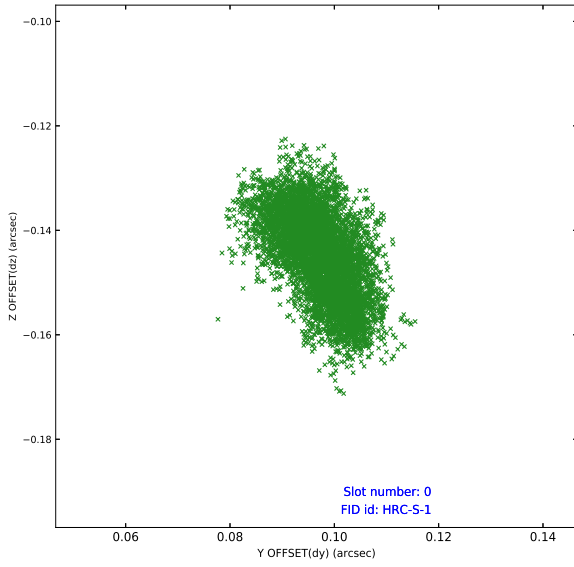


Time (s)

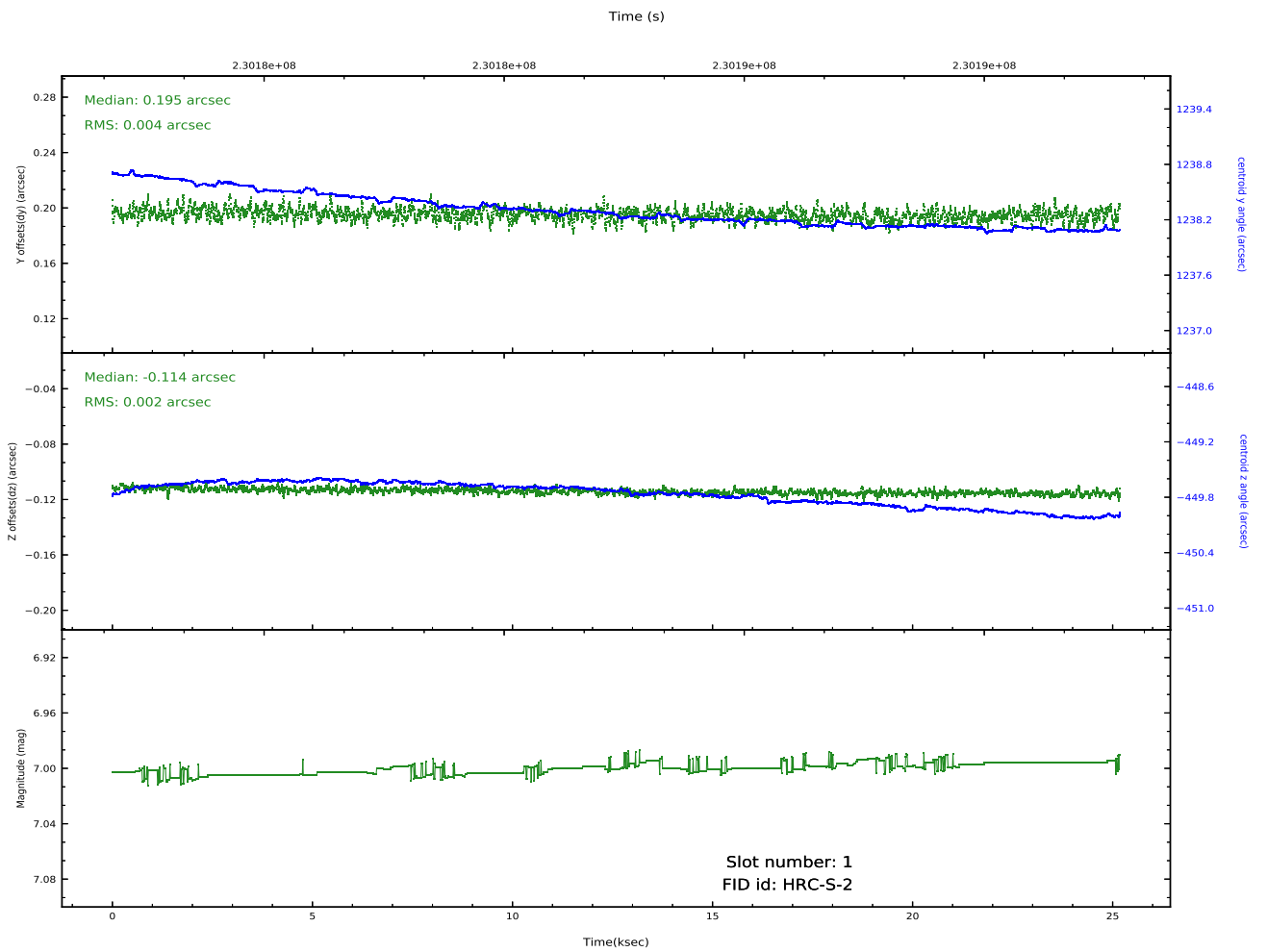
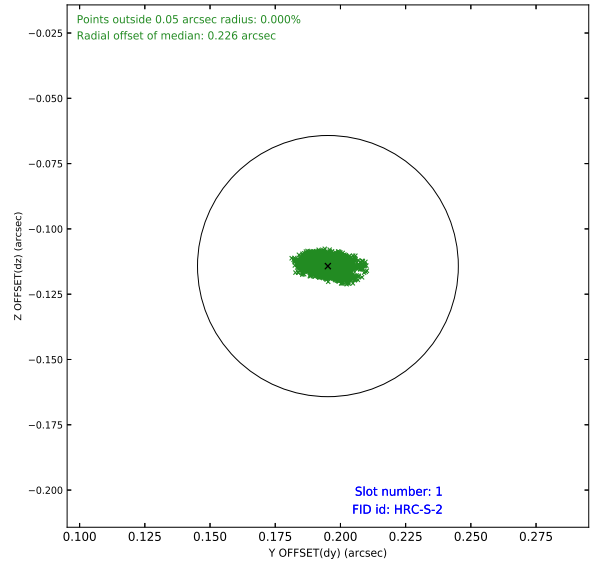
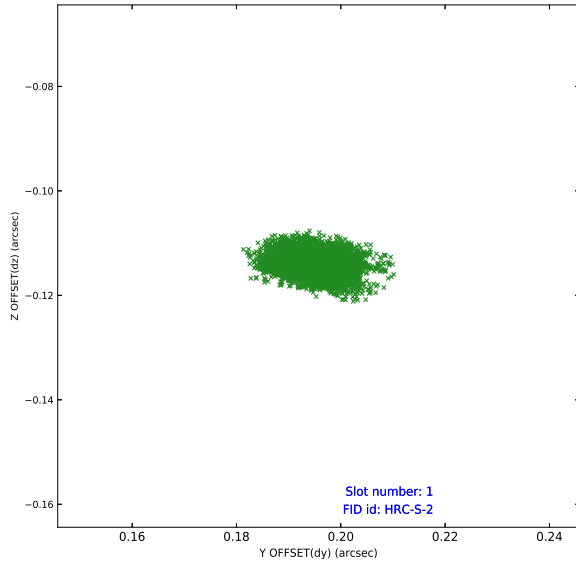


2.5 FID Slots

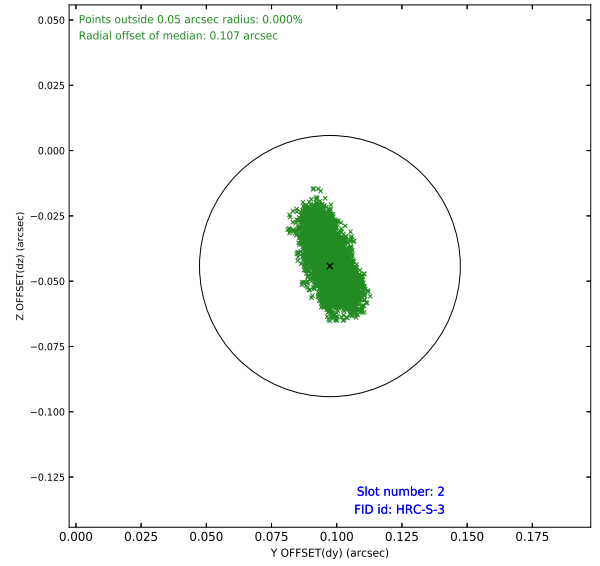
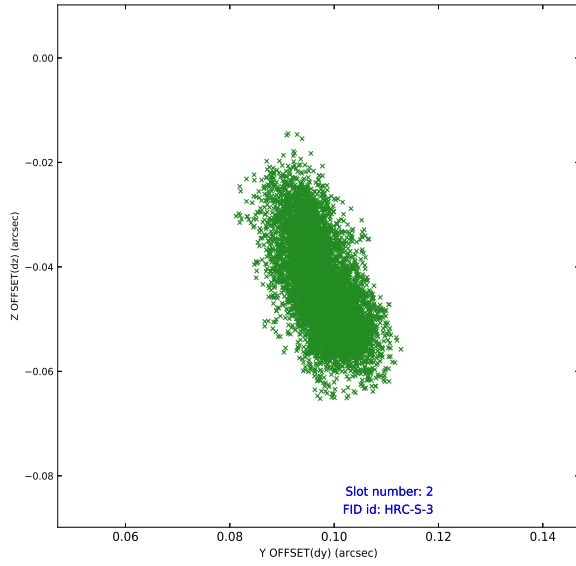
2.5.1 Slot 0



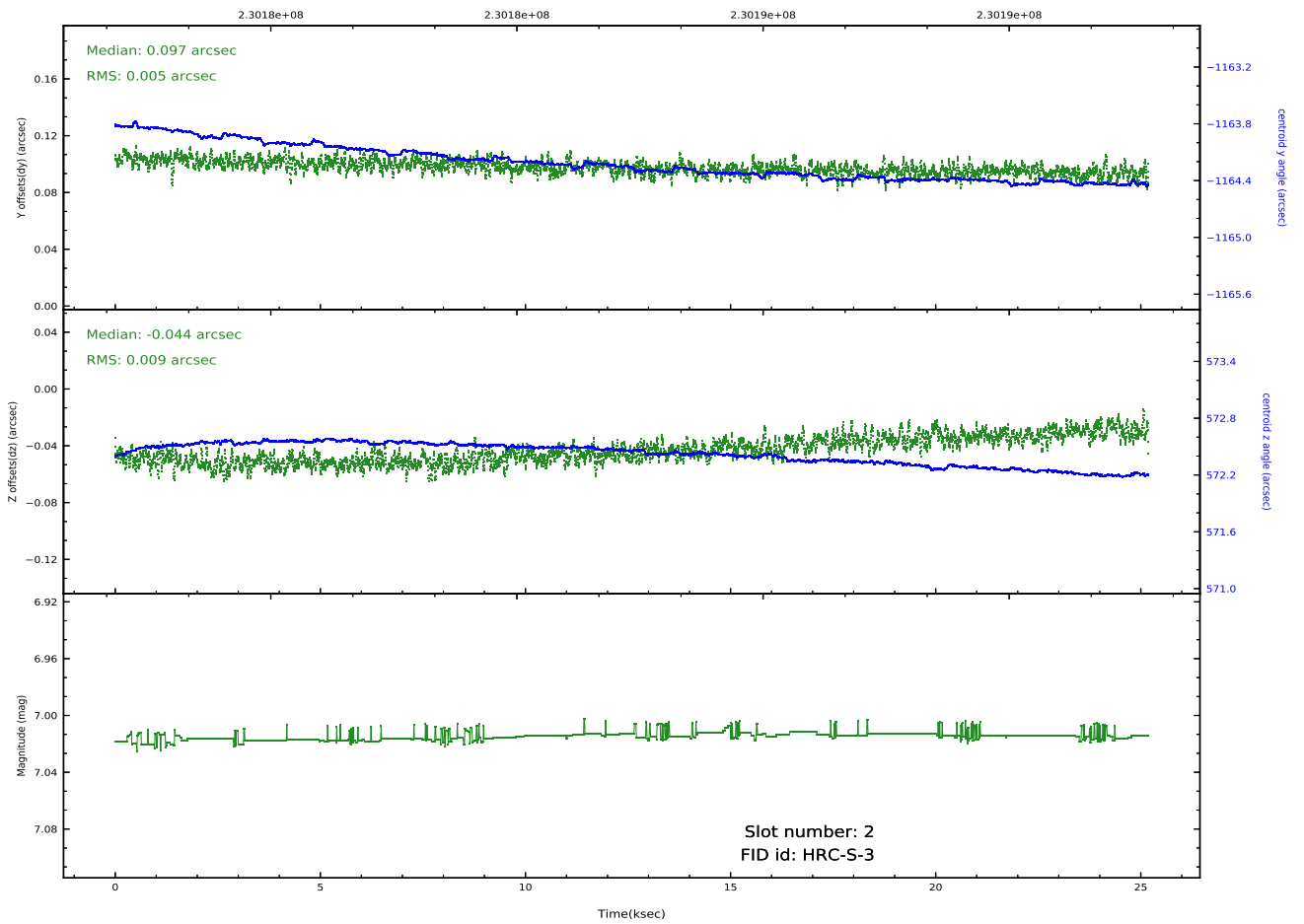
2.5.2 Slot 1



2.5.3 Slot 2

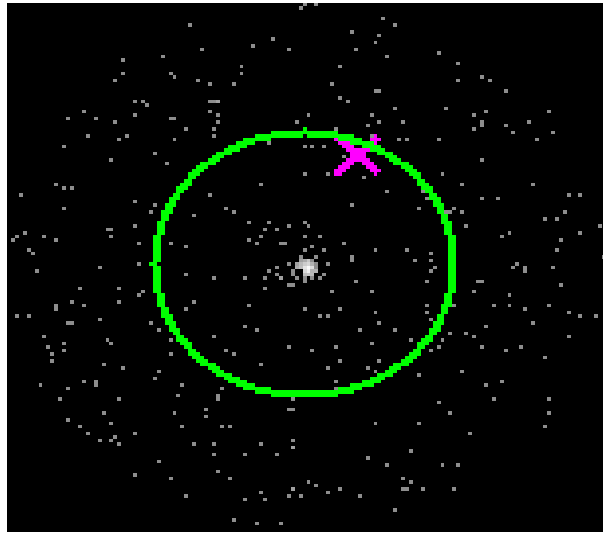


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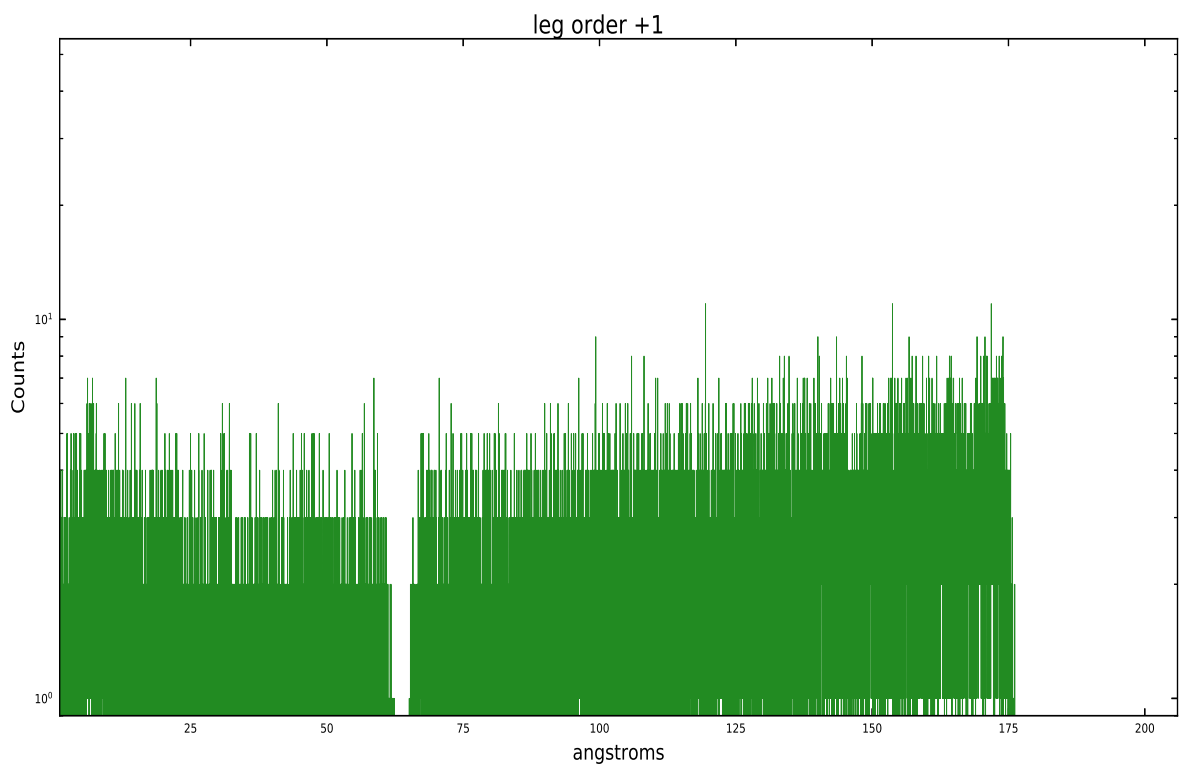
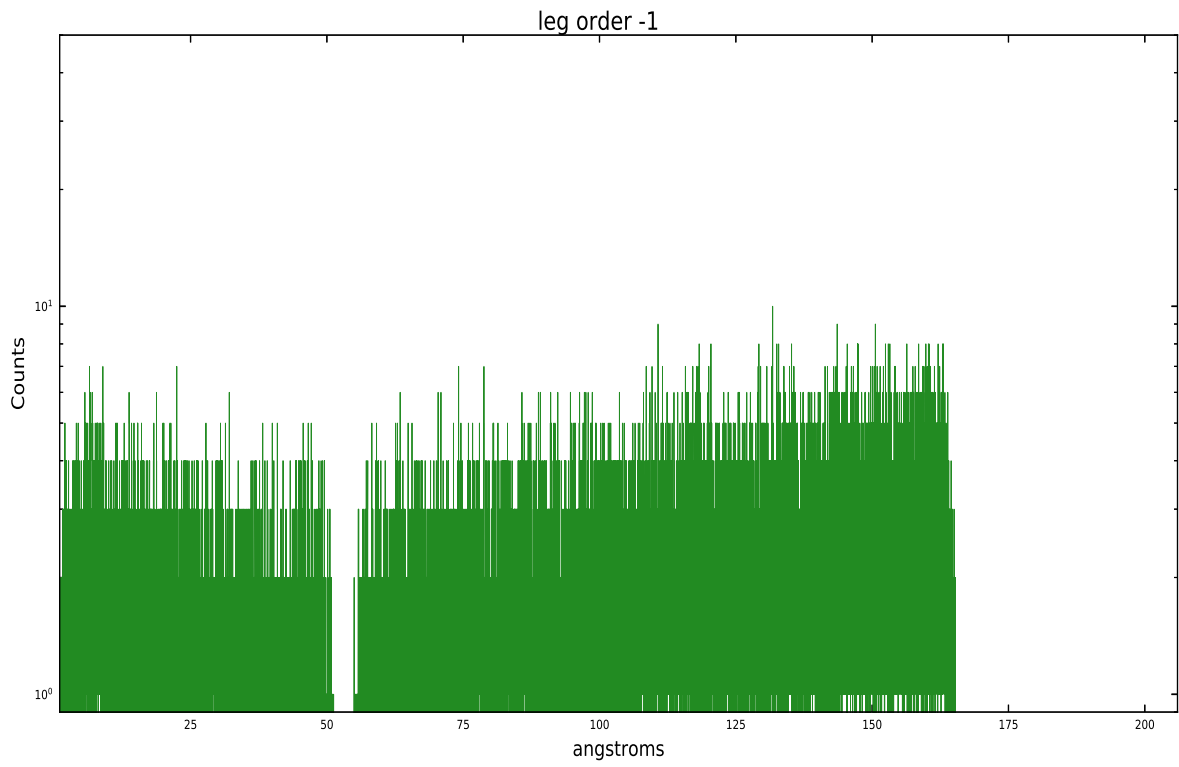


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Melania Nynka
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.18553

A.2 Comments