

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5305 - L2 Version 4
Chandra X-Ray Center

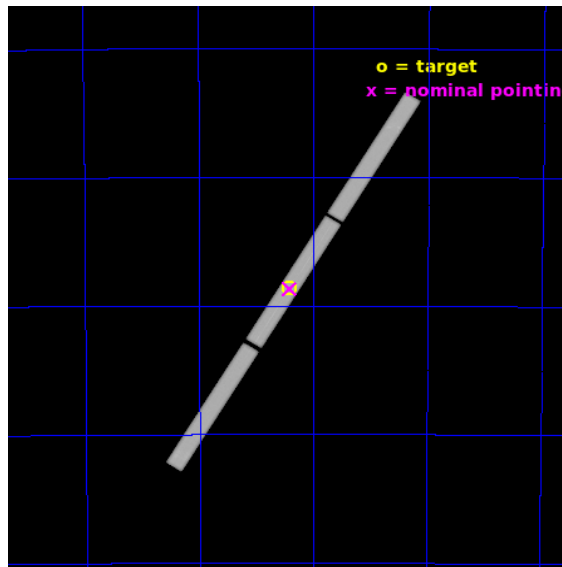
L2 Processing Date : Sep 24 2020

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1 Front

seq_num	500504	Sequence number
obs_id	5305	Observation id
title	Monitoring the spectral evolution of RXJ0720-3125 and determining its nature.	Proposal title
observer	Jacco Vink	Principal investigator
object	RX J0720.4-3125	Source name
ra_targ	110.104167	Observer's specified target RA [deg]
dec_targ	-31.430611	Observer's specified target Dec [deg]
ra_nom	110.10260372331	Nominal RA [deg]
dec_nom	-31.434178263511	Nominal Dec [deg]
roll_nom	301.72369635157	Nominal Roll [deg]
revision	4	Processing version of data
ontime	35705.107813507	[s]
livetime	35486.167286788	Ontime multiplied by DTCOR
l2events	1705990	Number of level 2 events

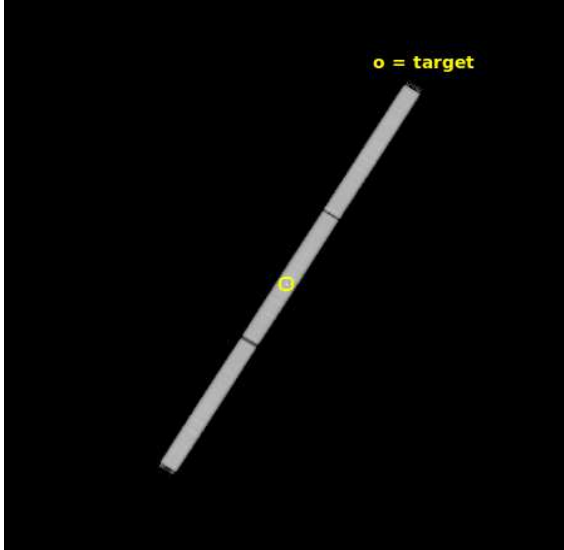


2 OBI

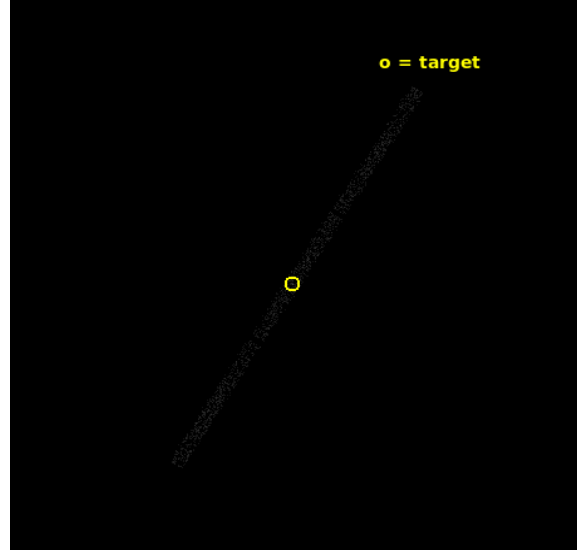
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	35875.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	35705.107813507	[s]
caldsver	4.9.2	 	l1events	2388780	Number of level 1 events
date	2020-09-24T01:47:49	Date and time of file creation	tgmethod	TGDETECT	Method used to create src1a file
revision	4	Processing version of data	zo_pos	(32738.46, 32866.15)	src1a sky pixel position

2.1.3 Events

Level 1 Events

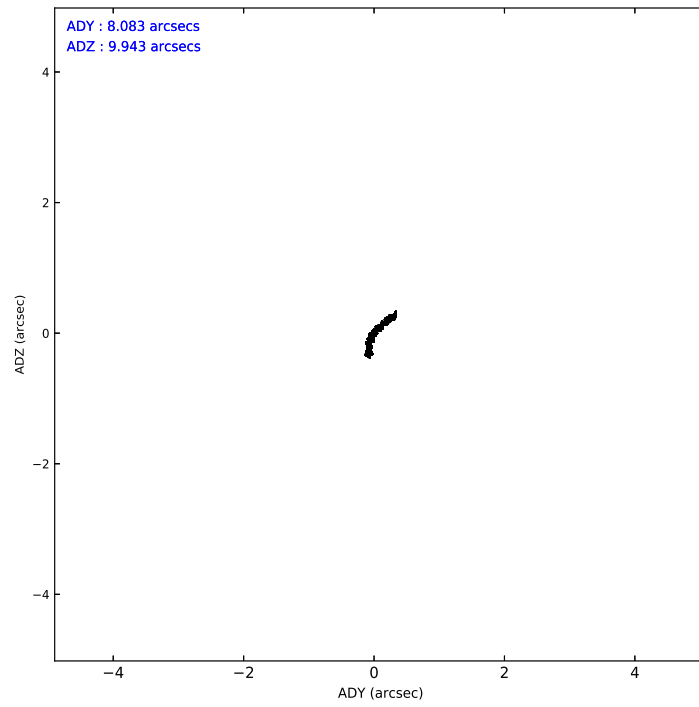
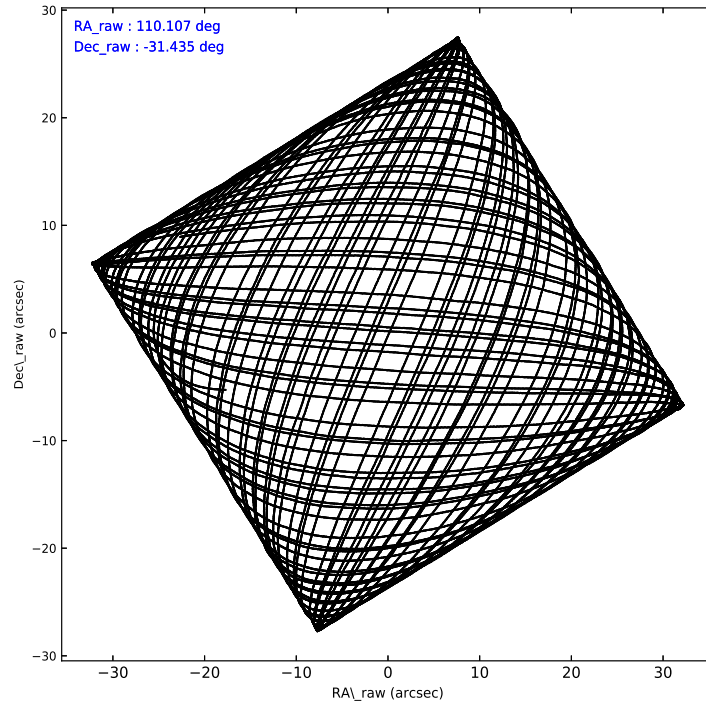
	segment 1	segment 2	segment 3
level 1 events	797896	787743	803141
rejected events	1779	1831	1830
rejected %	0%	0%	0%

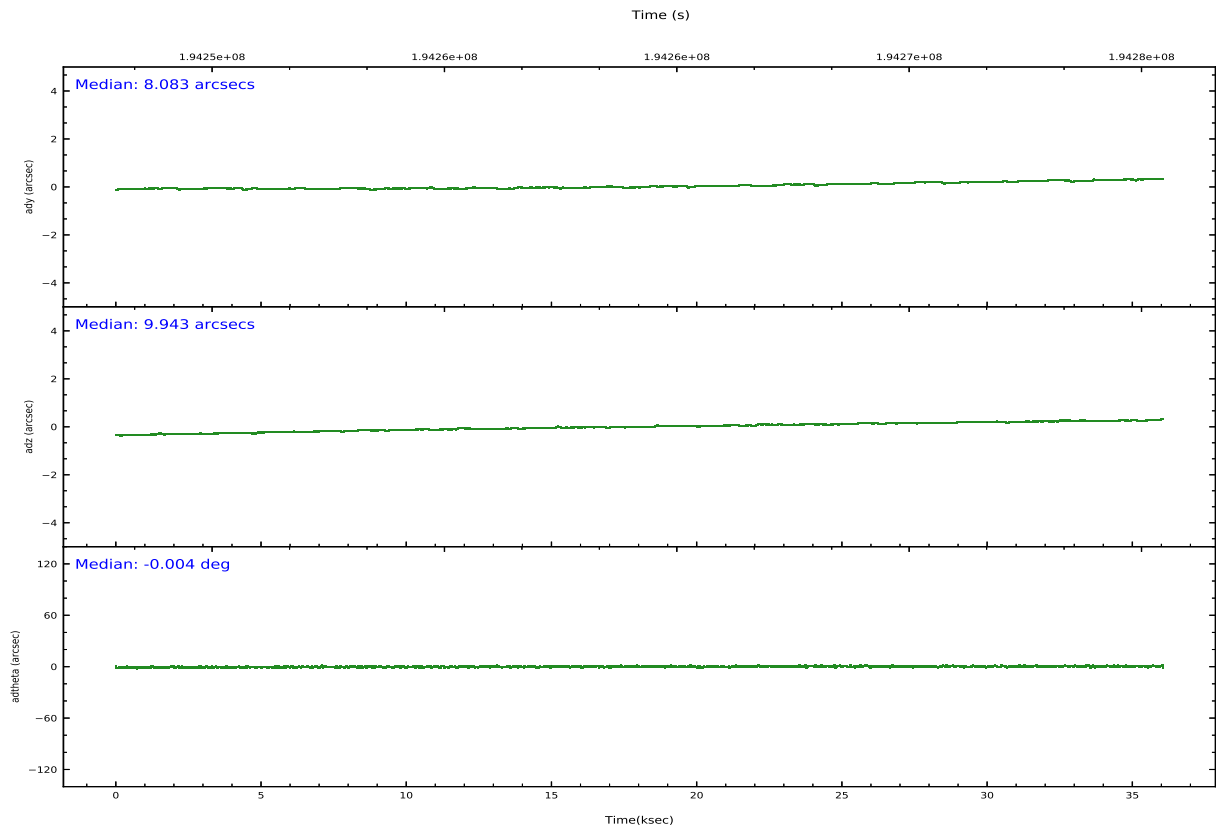
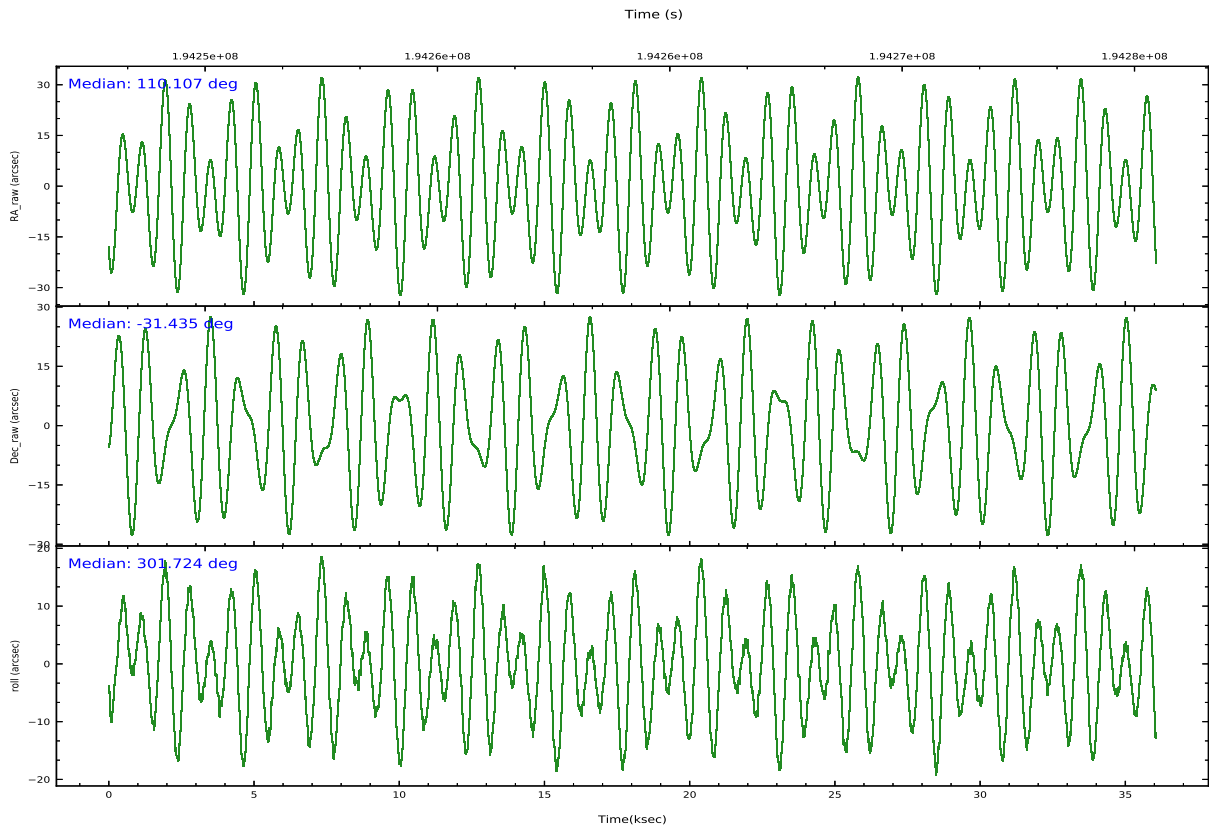
2.2 Compared Parameters

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	110.076643	110.10260372331
[deg] Pointing Dec	-31.422377	-31.434178263511
[deg] Pointing Roll	301.646126	301.72369635157
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	194244870.184000	194244158.07621
Observation start date	2004-02-27T04:53:26	2004-02-27T04:42:38
[s] Observation end time (MET)	194280745.184000	194281499.34035
Observation end date	2004-02-27T14:51:21	2004-02-27T15:04:59

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

2.3 Aspect





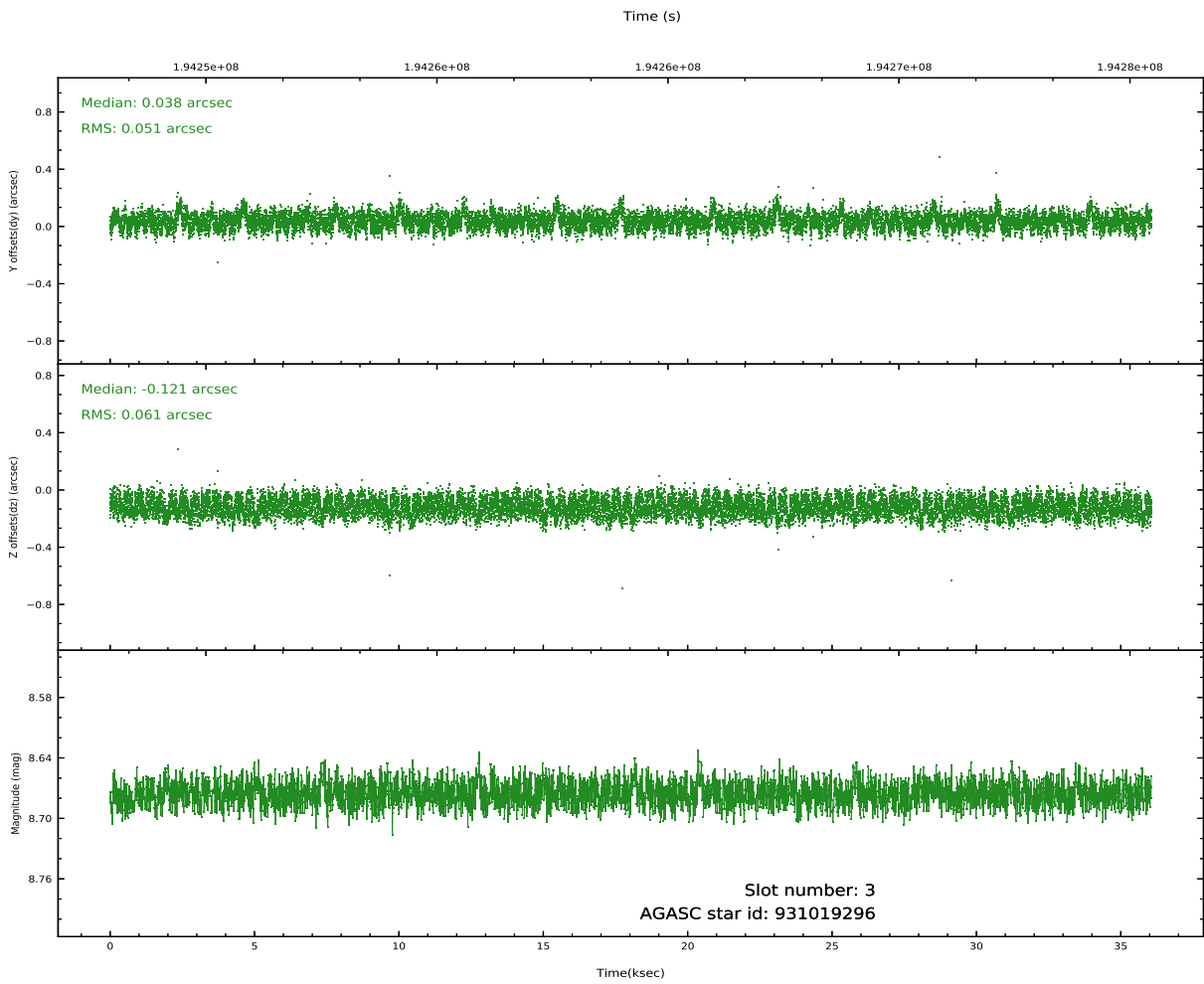
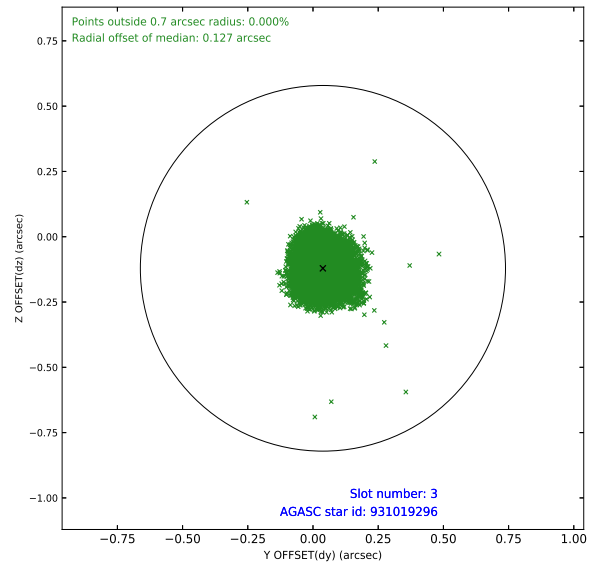
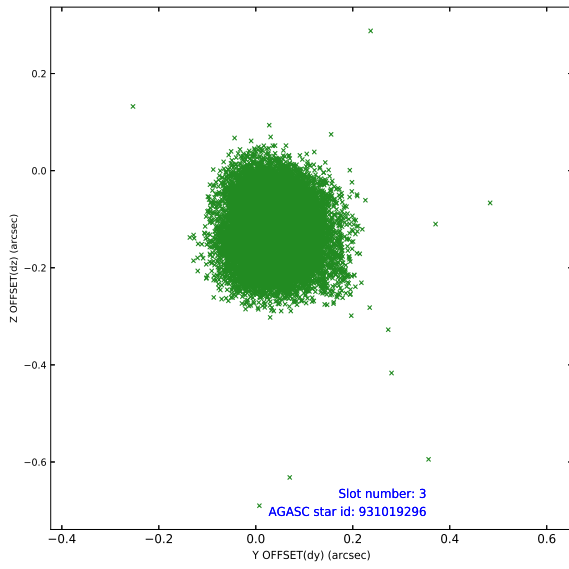
Slot Statistics

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	6.99	8793	1.000	0.125	-0.198	0.008	0.013	0.000000	0.000000	-1162.31	-458
1	FID		HRC-S-2	6.98	8794	1.000	0.163	-0.112	0.005	0.010	0.000000	0.000000	1237.27	-451
2	FID		HRC-S-3	7.00	8795	1.000	0.102	0.008	0.008	0.014	0.000000	0.000000	-1164.92	571
3	GUIDE	used	931019296	8.68	17586	1.000	0.038	-0.121	0.086	0.133	109.471771	-31.694370	-133.31	-2093
4	GUIDE	used	931022960	8.95	17555	1.000	0.002	-0.040	0.079	0.129	109.733092	-31.864448	805.69	-1729
5	GUIDE	used	931160352	8.63	17583	1.000	-0.089	0.070	0.067	0.113	110.268138	-30.864891	-1397.68	1556
6	GUIDE	used	931018016	8.48	17494	1.000	-0.038	-0.014	0.073	0.118	109.684535	-31.226562	-1231.28	-658
7	GUIDE	used	931163512	8.46	17583	1.000	0.085	0.106	0.088	0.133	110.894384	-31.299941	952.53	2368

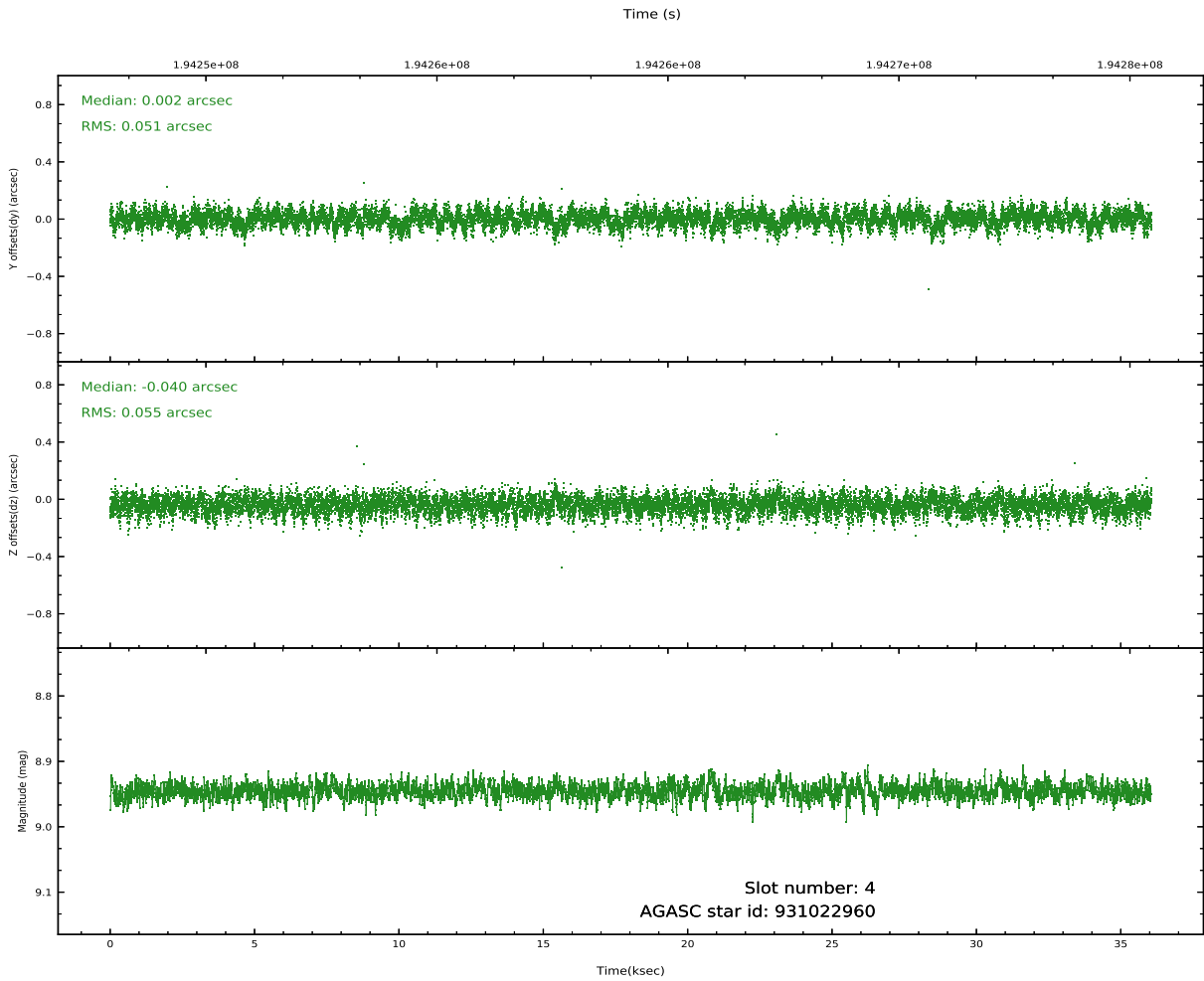
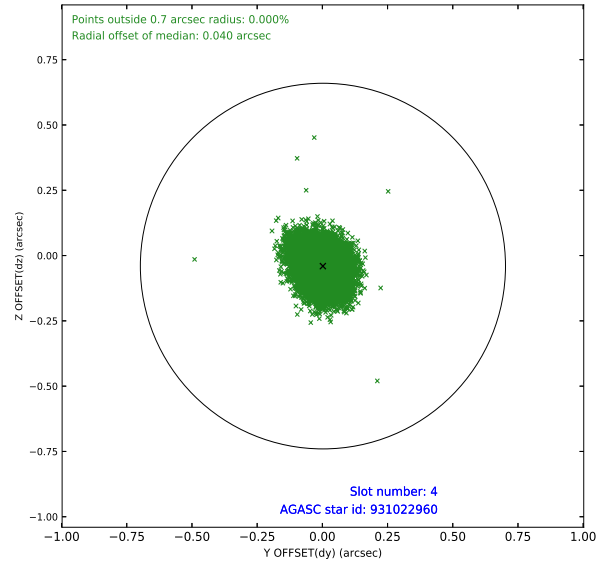
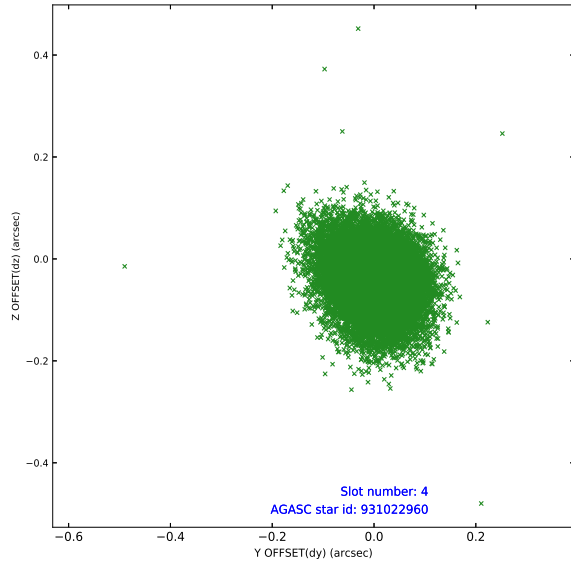
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2.4 Star Slots

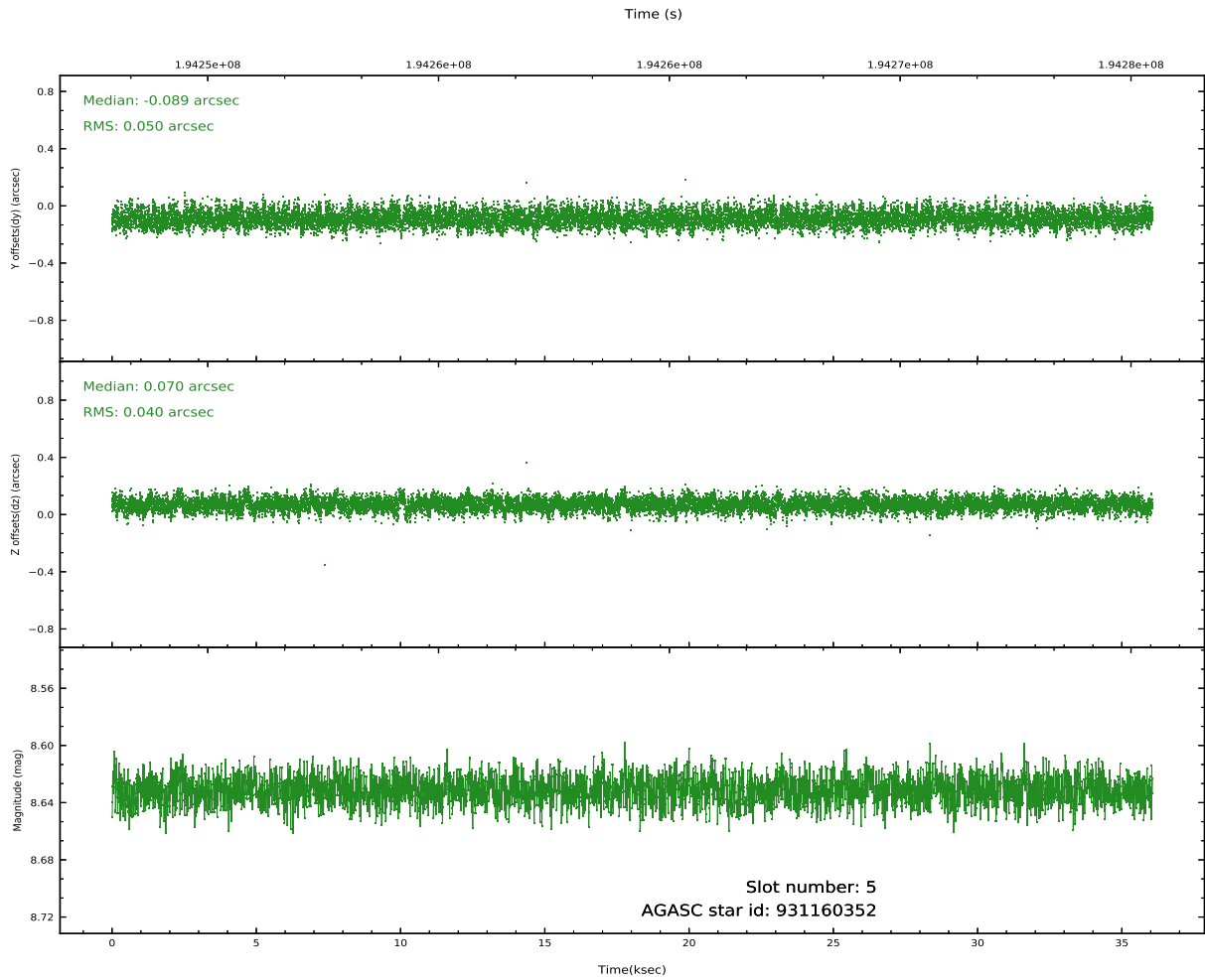
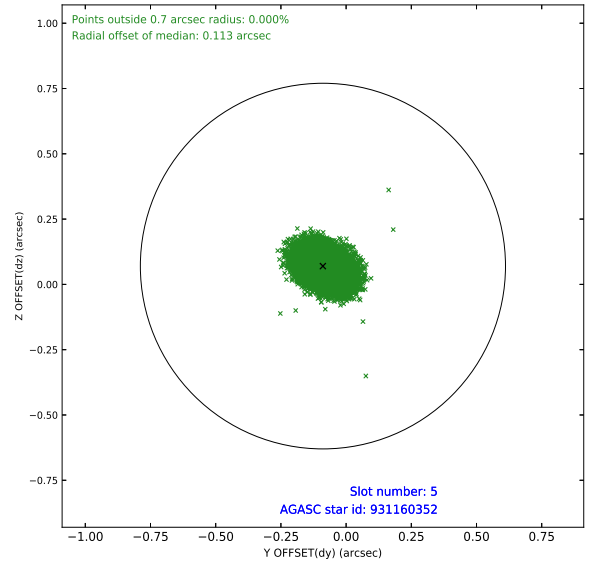
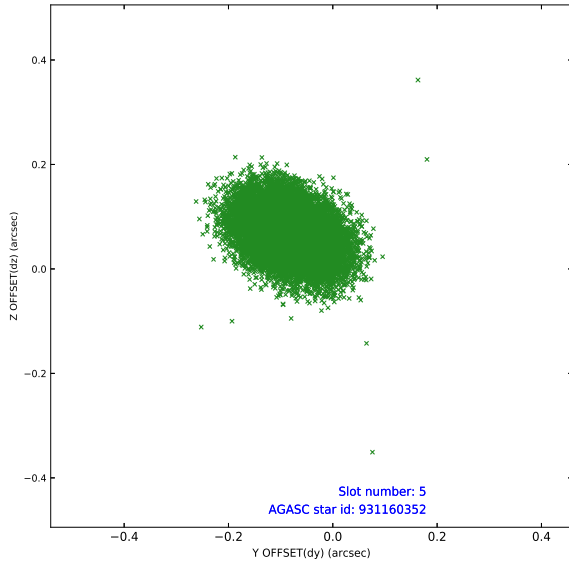
2.4.1 Slot 3



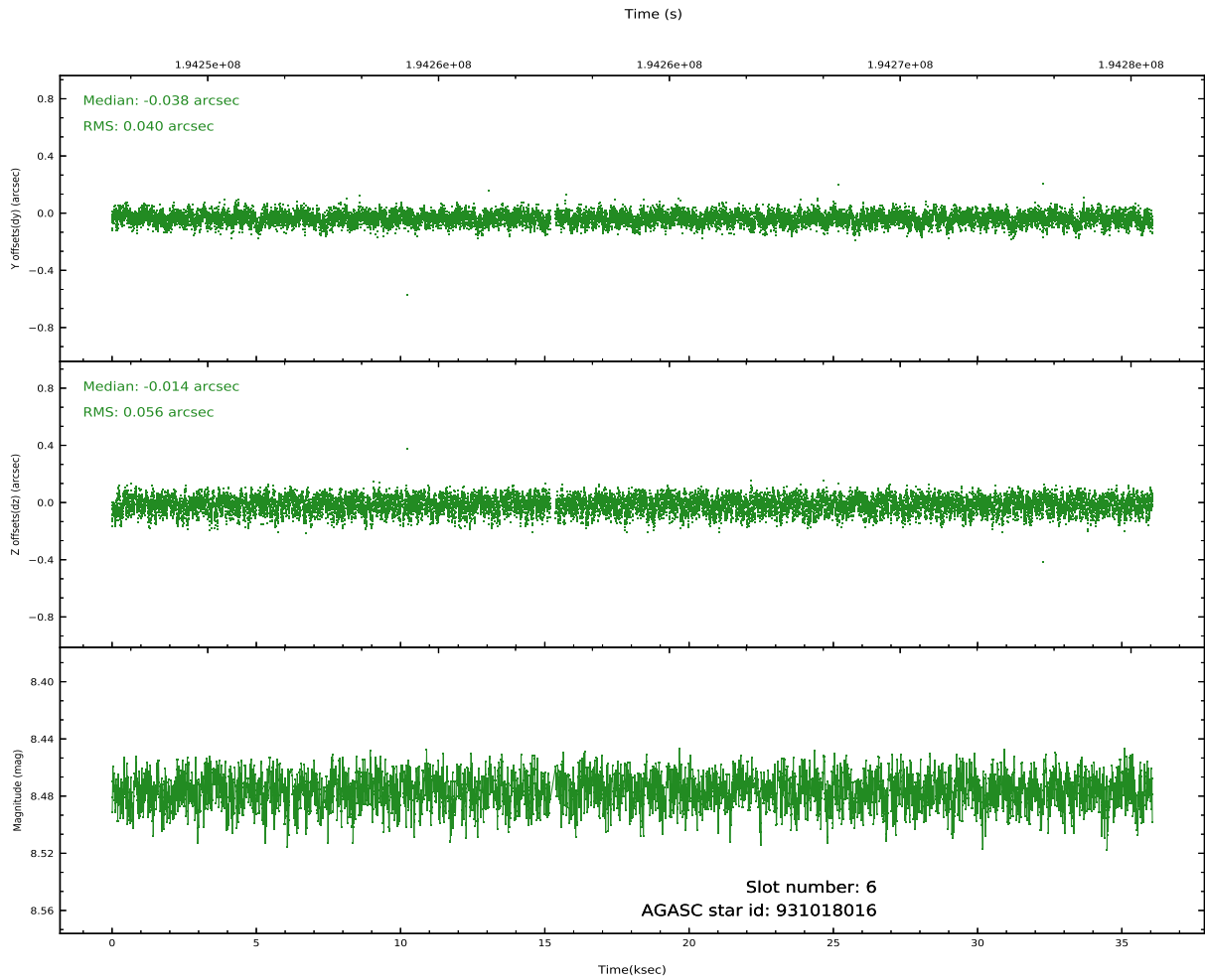
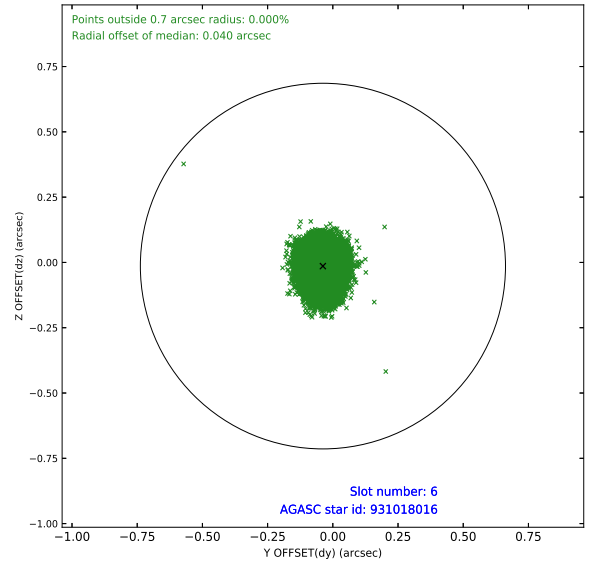
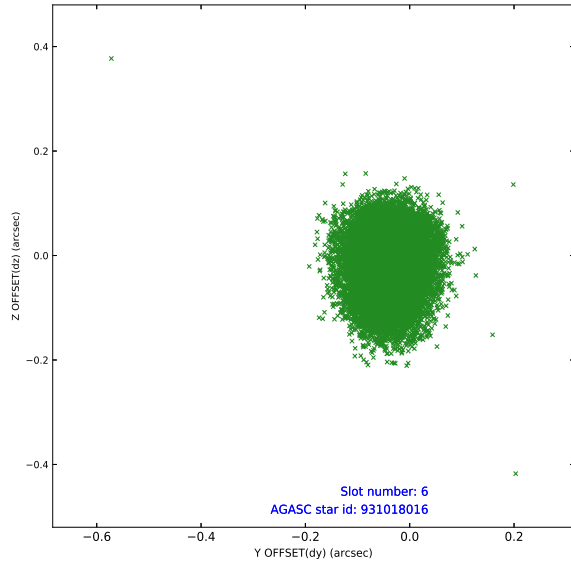
2.4.2 Slot 4



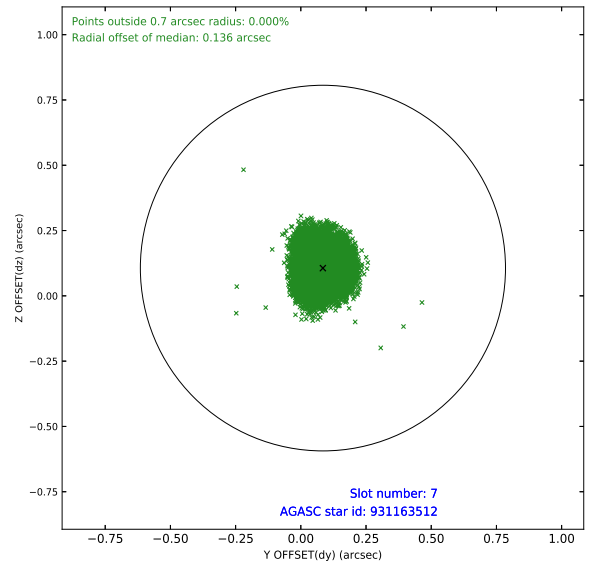
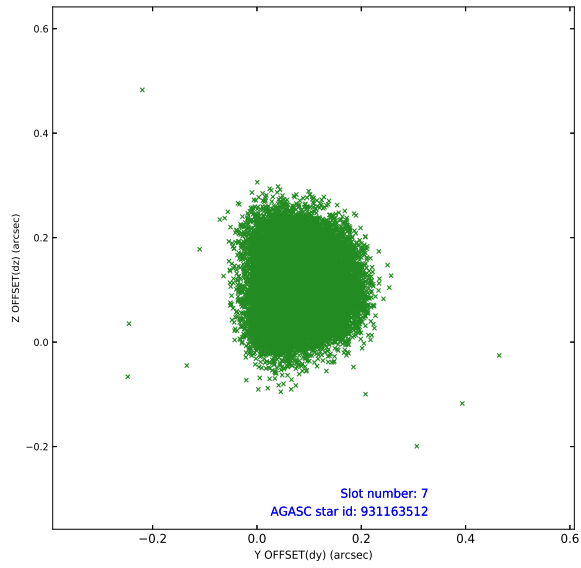
2.4.3 Slot 5



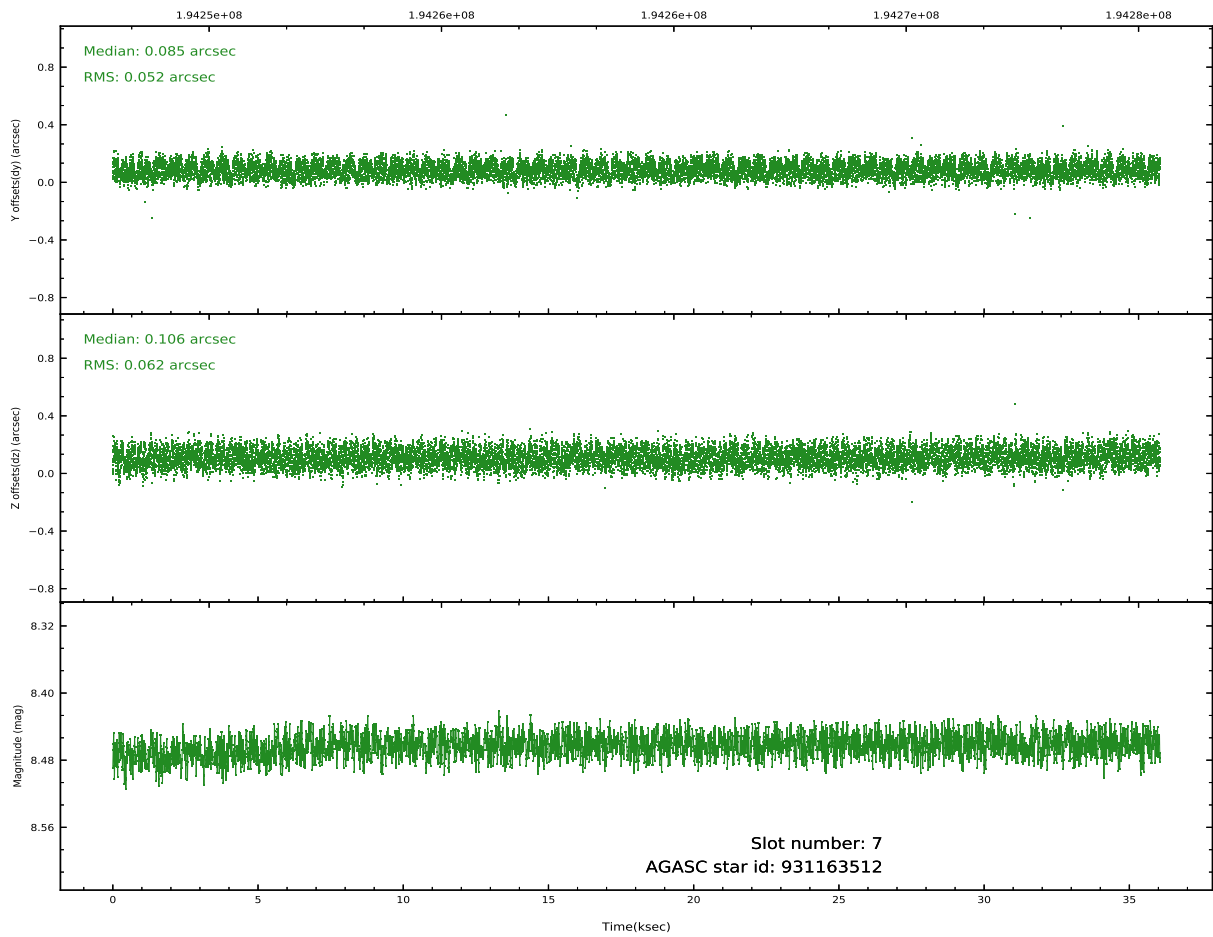
2.4.4 Slot 6



2.4.5 Slot 7

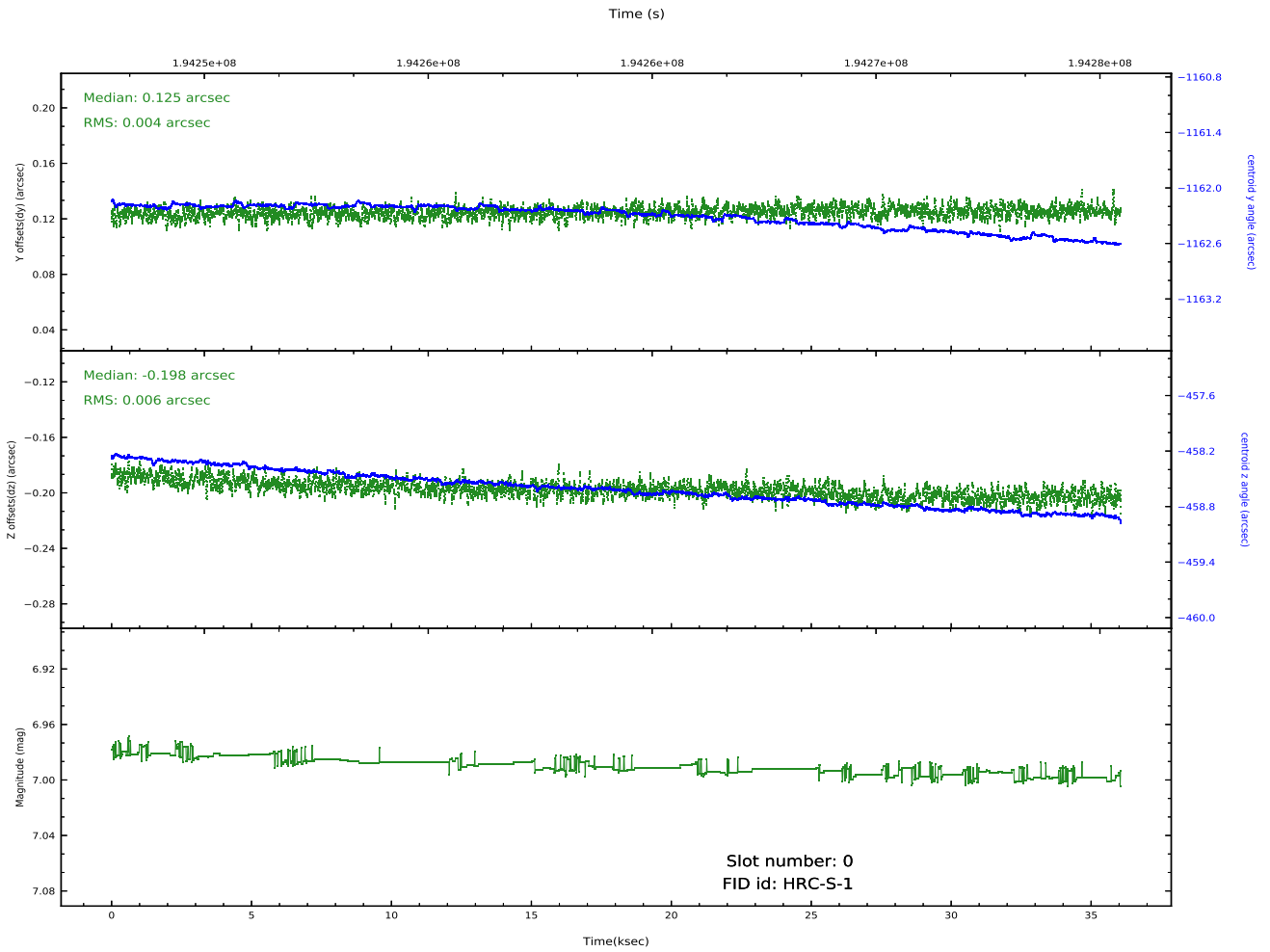
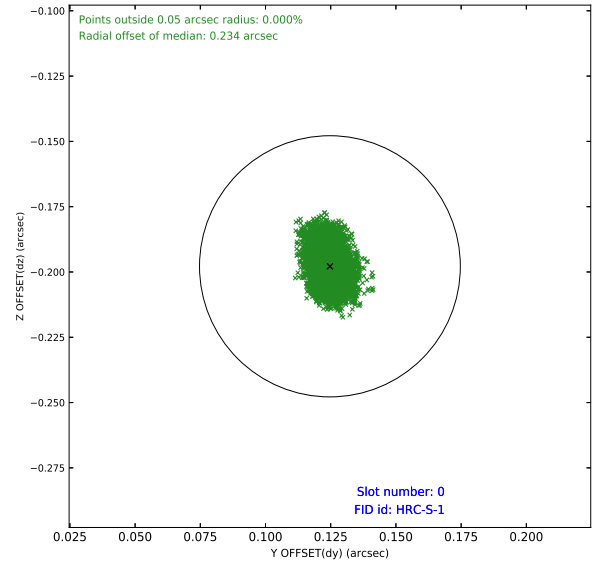
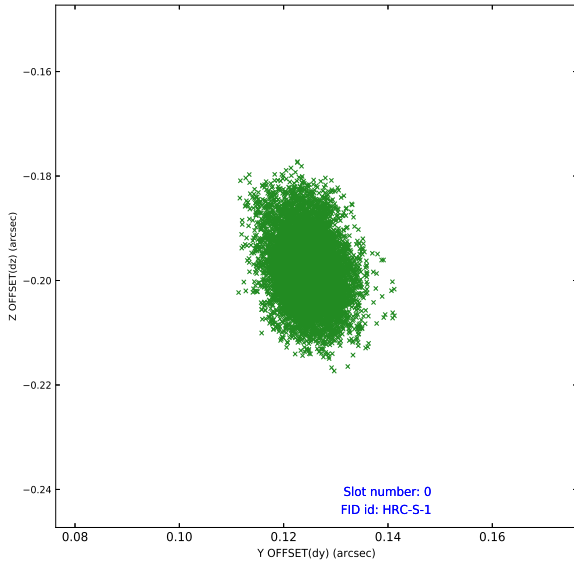


Time (s)

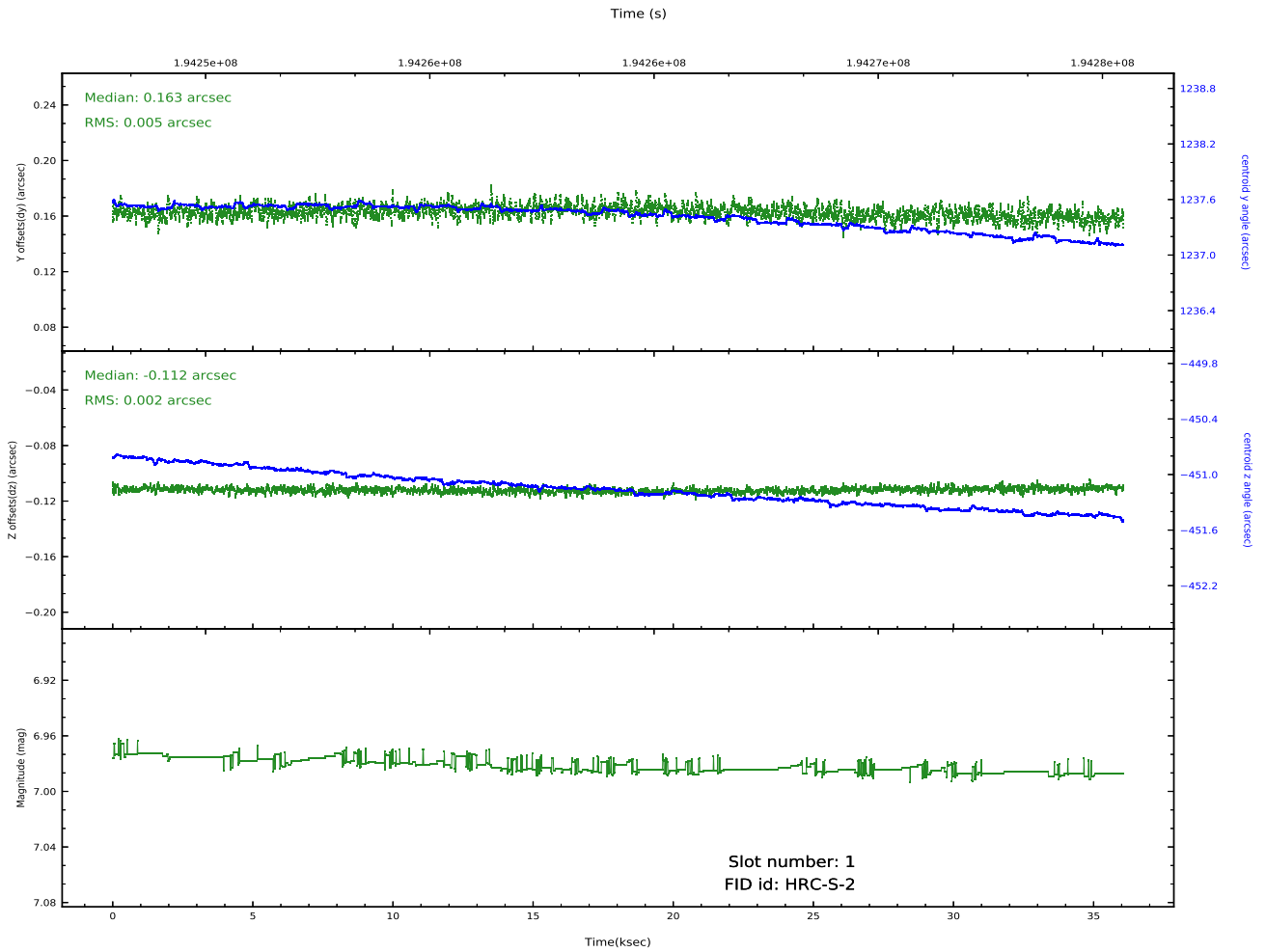
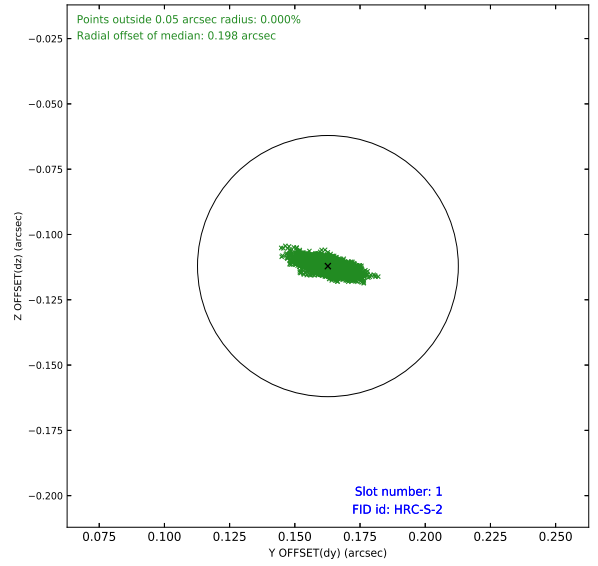
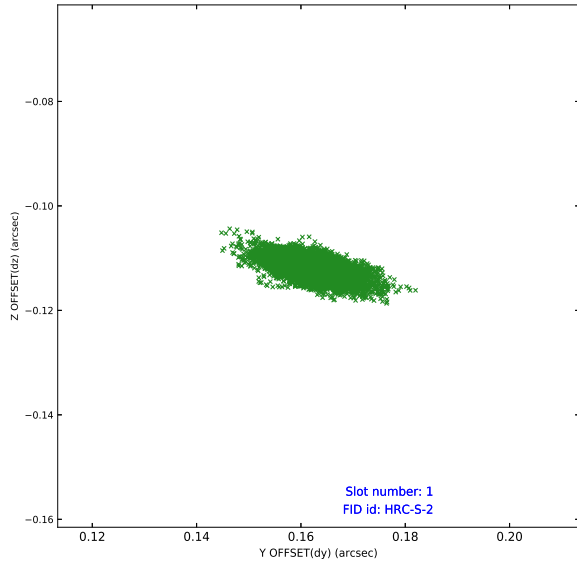


2.5 FID Slots

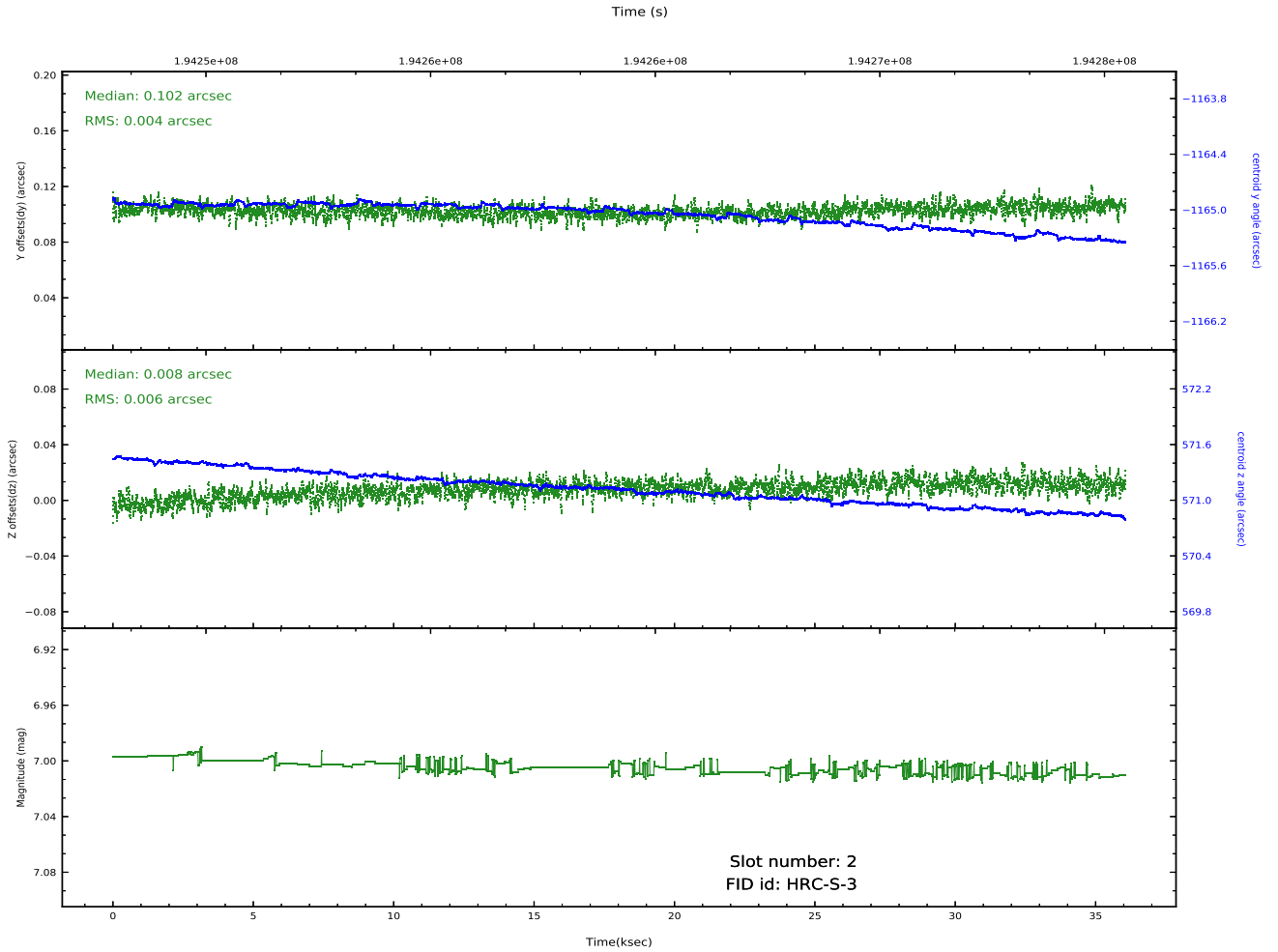
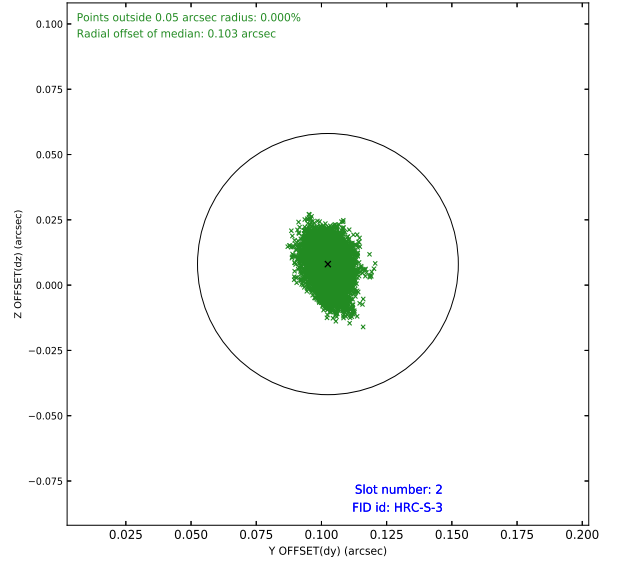
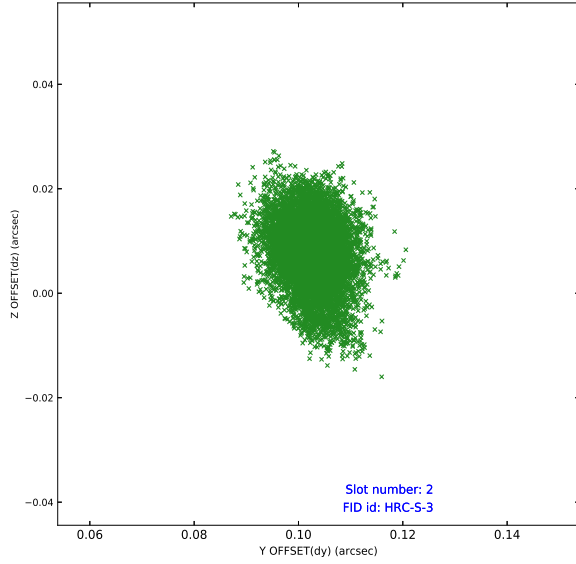
2.5.1 Slot 0



2.5.2 Slot 1

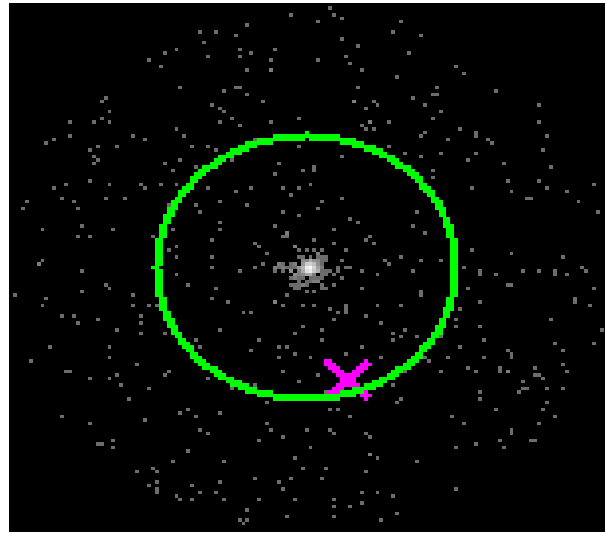


2.5.3 Slot 2

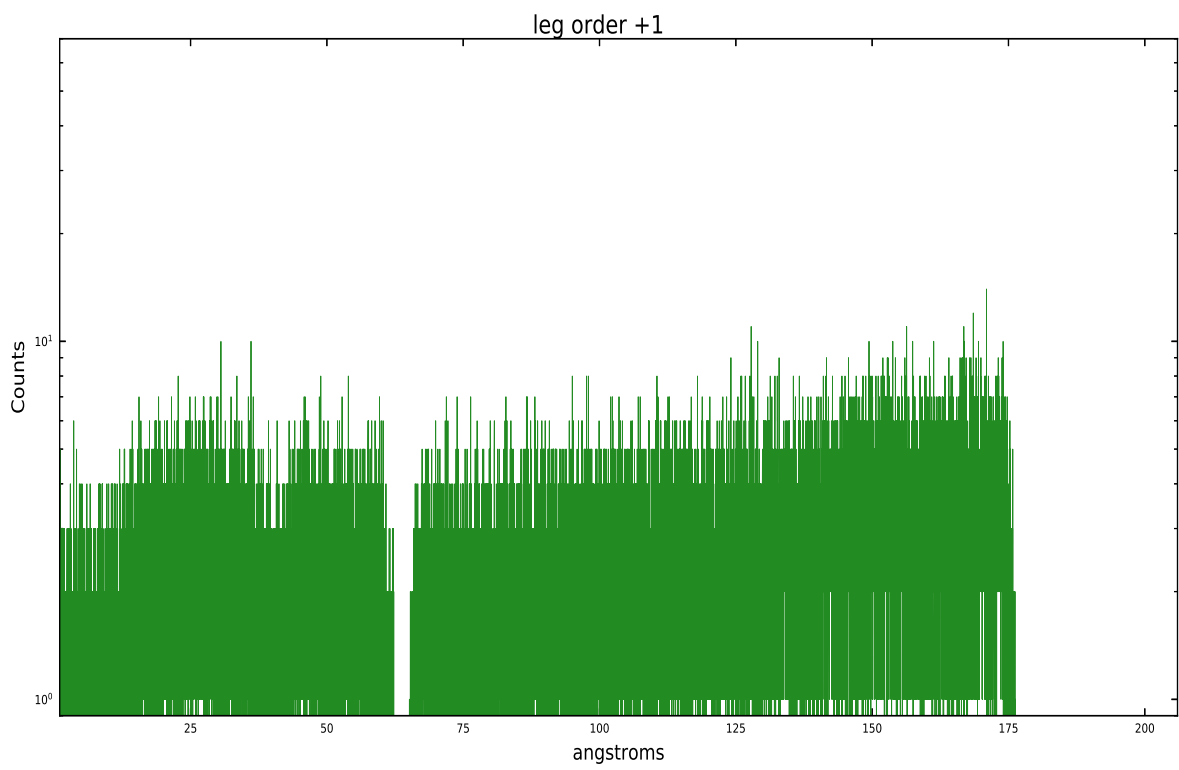
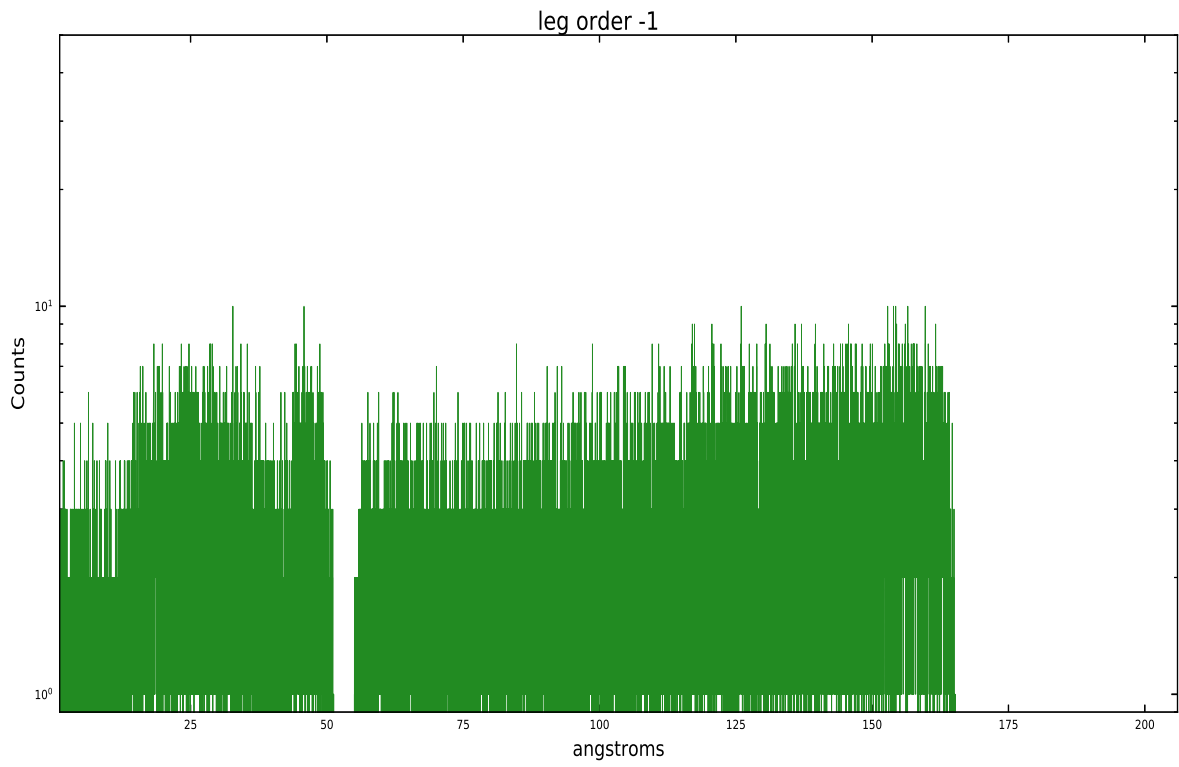


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Melania Nynka
V&V Date (YYYY-MM-DD)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.705

A.2 Comments