

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5292 - L2 Version 6
Chandra X-Ray Center

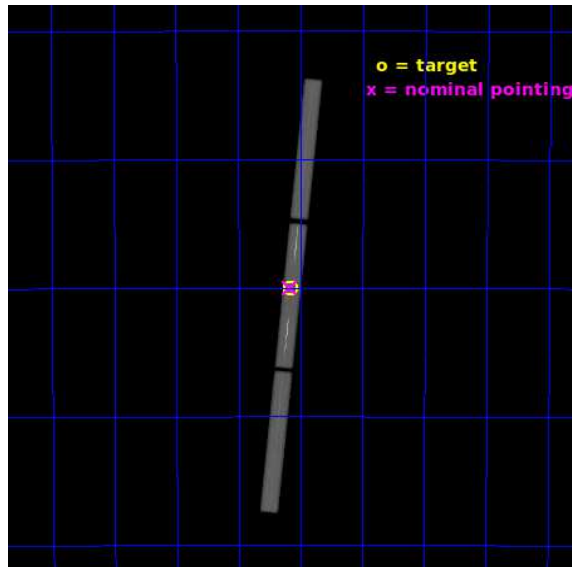
L2 Processing Date : Sep 24 2020

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1 Front

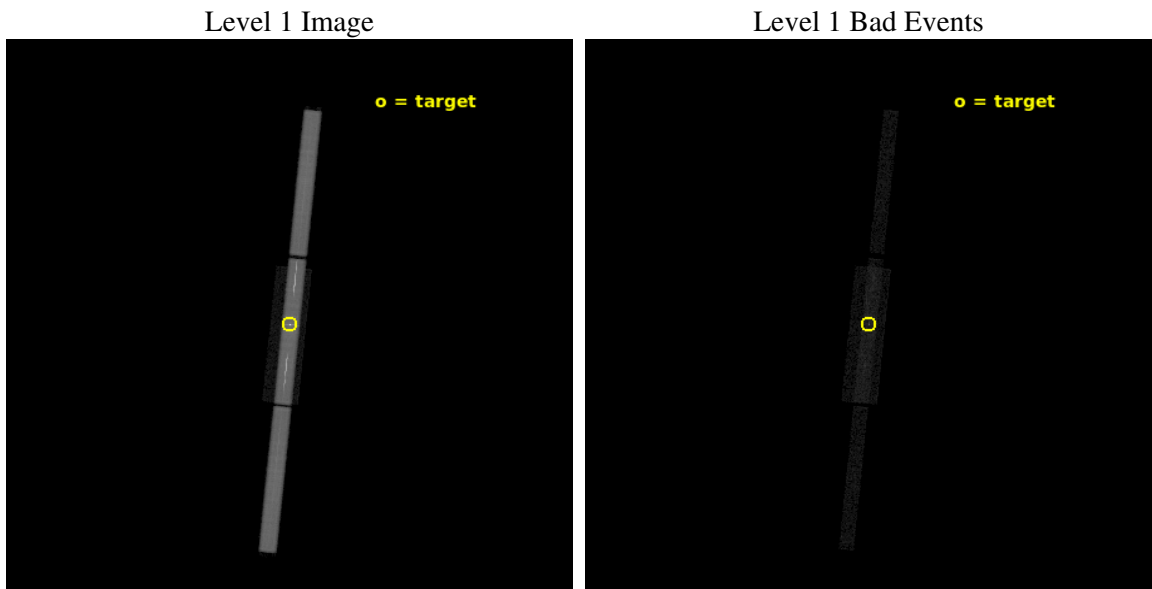
seq_num	300144	Sequence number
obs_id	5292	Observation id
title	A HRC-S LETG Observation of V4743 Sgr	Proposal title
observer	Regents' Professor Sumner Starrfield	Principal investigator
object	V4743 Sgr	Source name
ra_targ	285.289167	Observer's specified target RA [deg]
dec_targ	-22.001639	Observer's specified target Dec [deg]
ra_nom	285.29293278256	Nominal RA [deg]
dec_nom	-21.998888310823	Nominal Dec [deg]
roll_nom	95.556285638539	Nominal Roll [deg]
revision	6	Processing version of data
ontime	10308.425451458	[s]
liveltime	10236.361092964	Ontime multiplied by DTCOR
l2events	621927	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	10193.682000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	10308.425451458	[s]
caldsver	4.9.2	 	l1events	931277	Number of level 1 events
date	2020-09-24T01:41:59	Date and time of file creation	tgmethod	TGDETECT	Method used to create src1a file
revision	6	Processing version of data	zo_pos	(32869.68, 32692.78)	src1a sky pixel position

2.1.3 Events

Level 1 Events

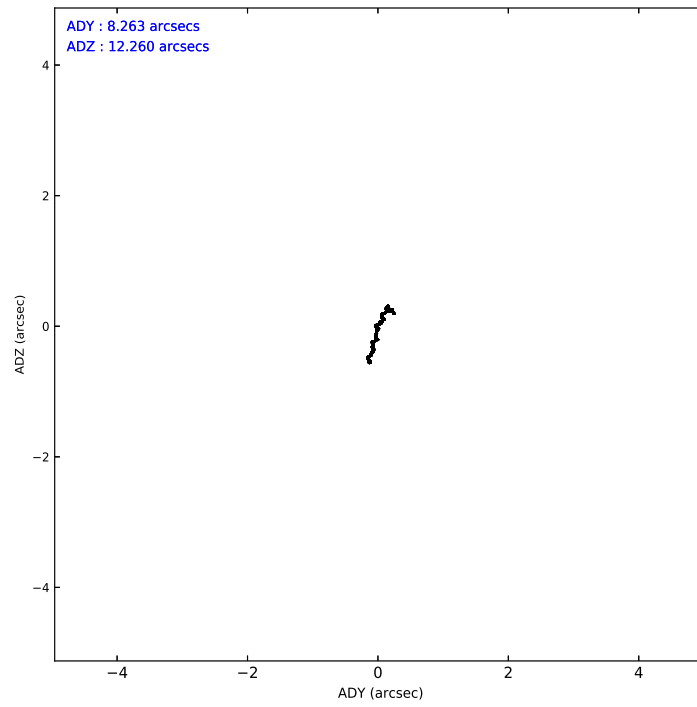
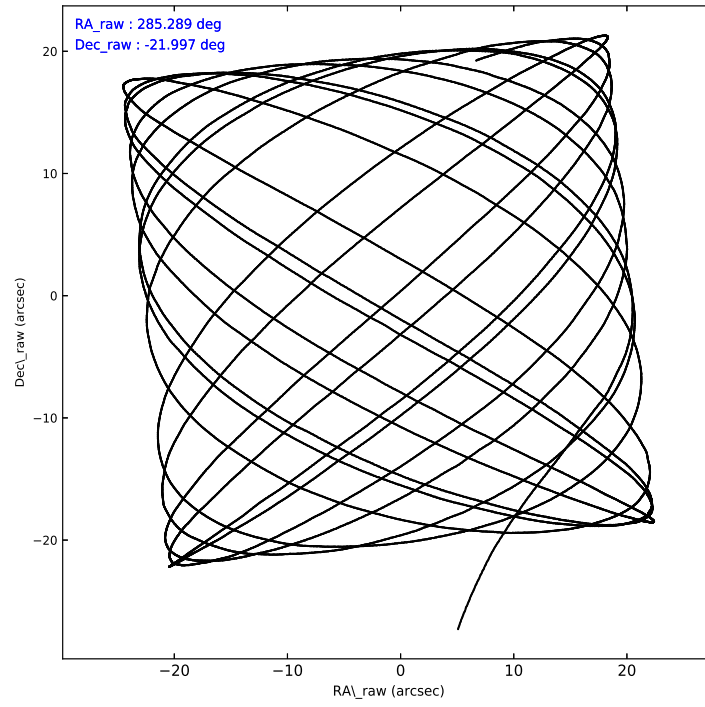
	segment 1	segment 2	segment 3
level 1 events	276439	378722	276116
rejected events	32357	47962	32468
rejected %	11%	12%	11%

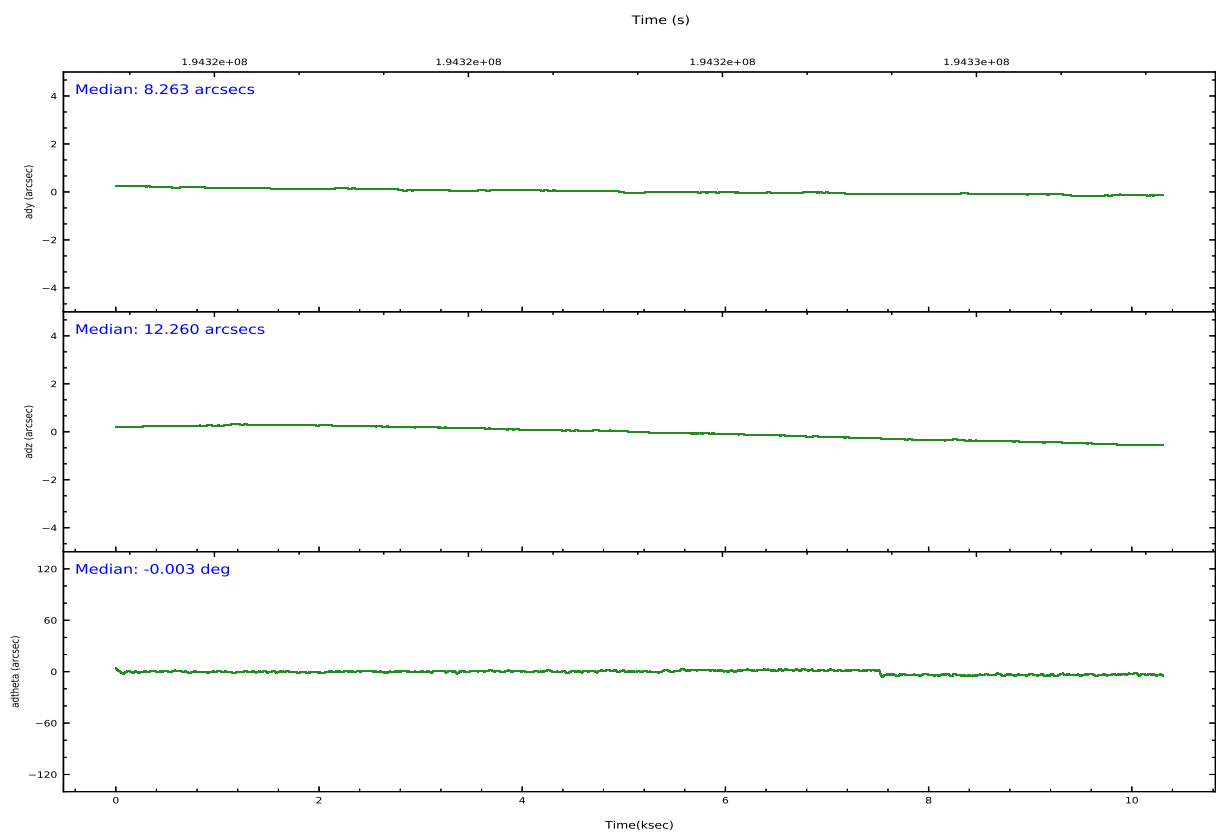
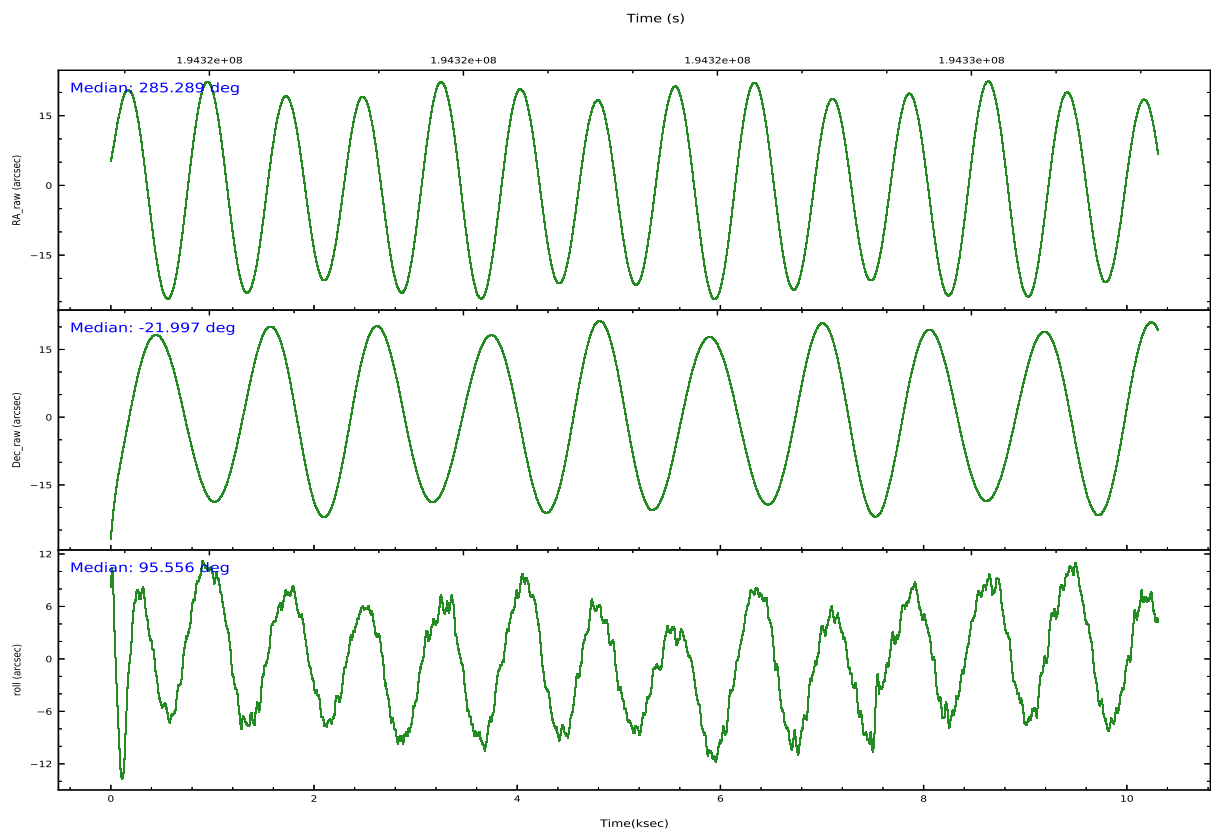
2.2 Compared Parameters

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	285.307985	285.29293278256
[deg] Pointing Dec	-22.019383	-21.998888310823
[deg] Pointing Roll	95.498364	95.55628563853899
[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)	194319144.184000	194317662.36693
Observation start date	2004-02-28T01:31:20	2004-02-28T01:07:42
[s] Observation end time (MET)	194329338.184000	194331191.85502
Observation end date	2004-02-28T04:21:14	2004-02-28T04:53:11

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

2.3 Aspect



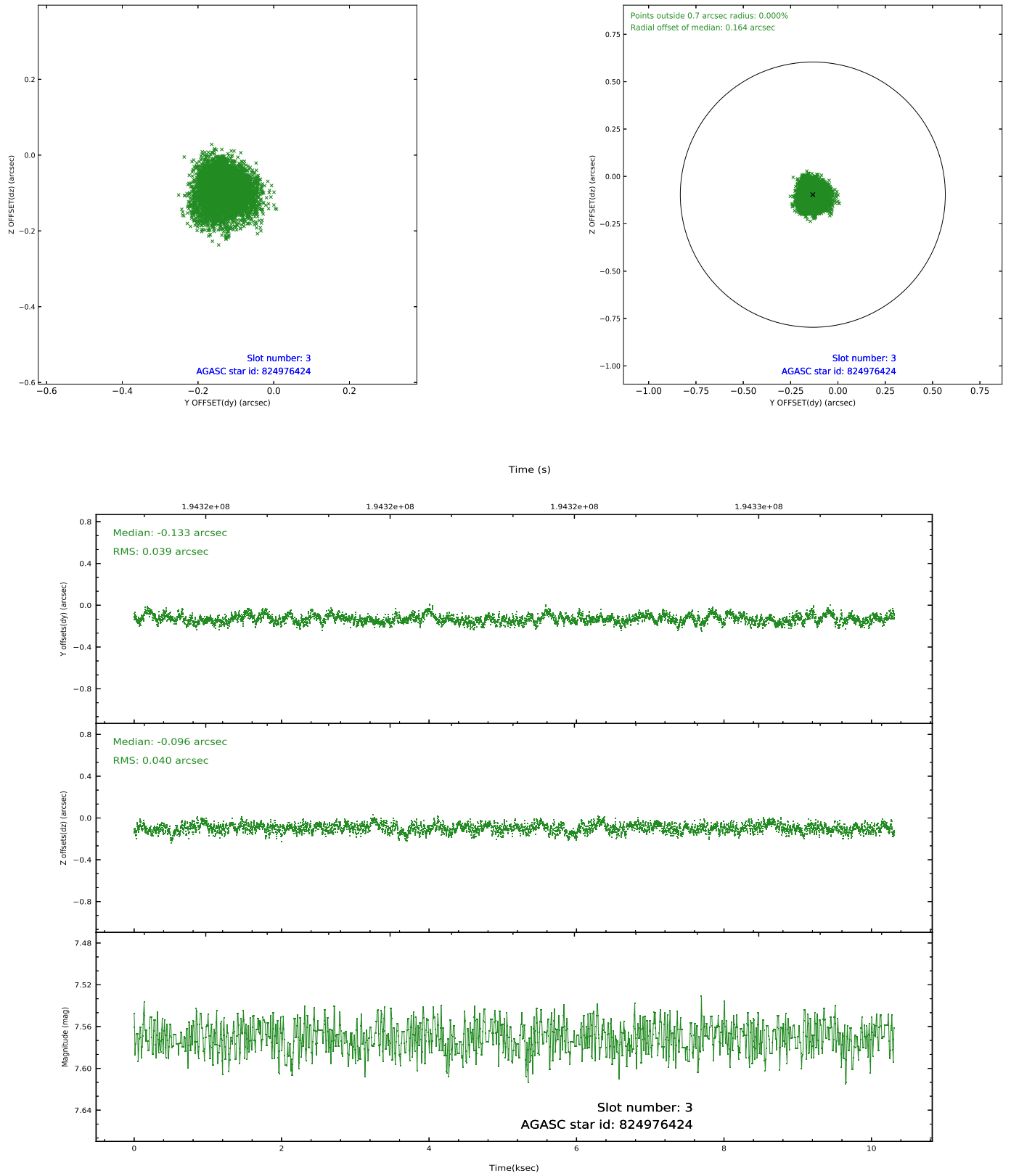


Slot Statistics

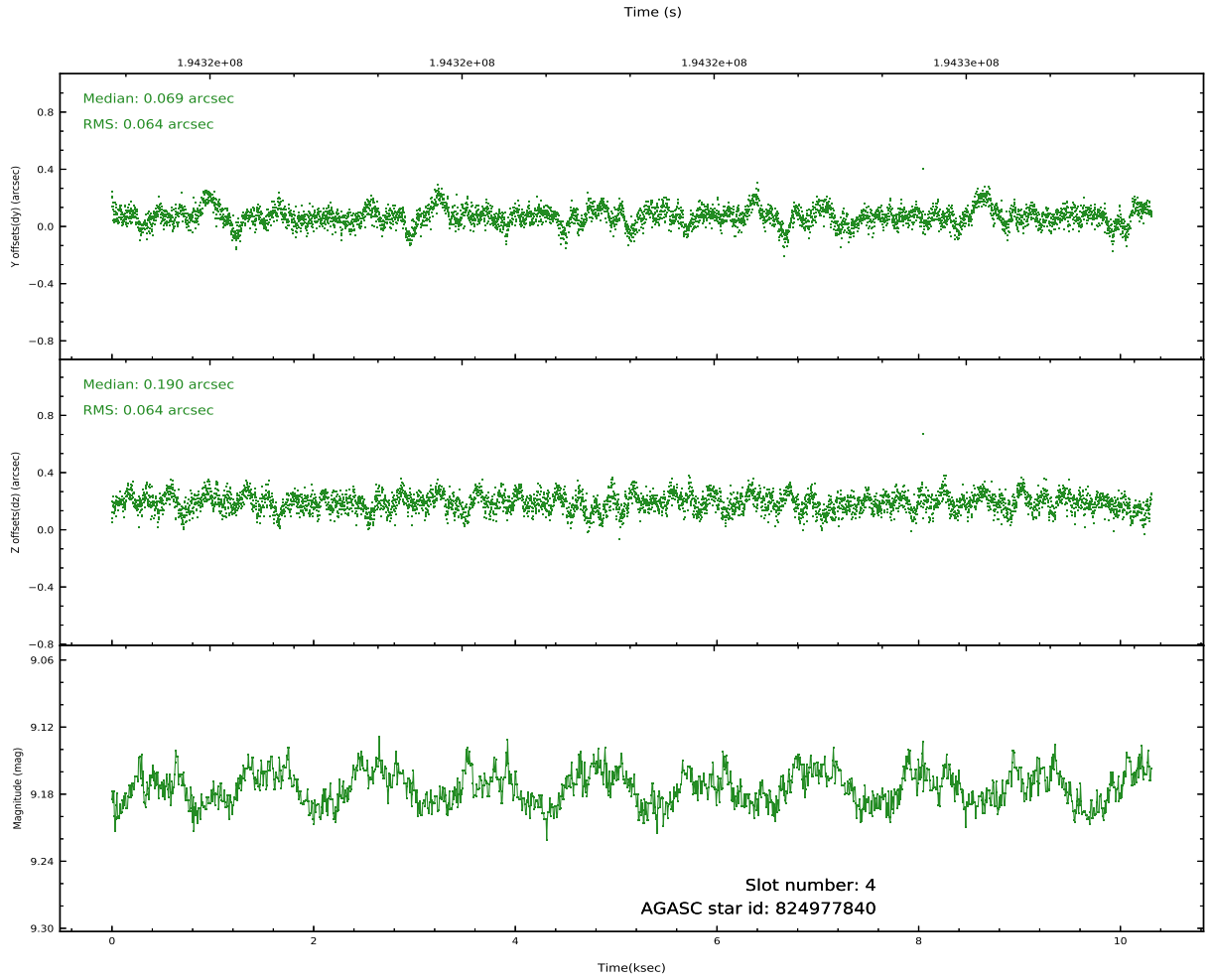
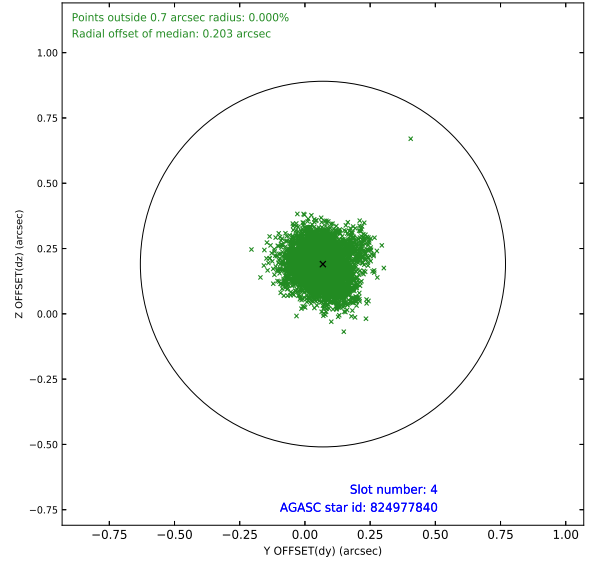
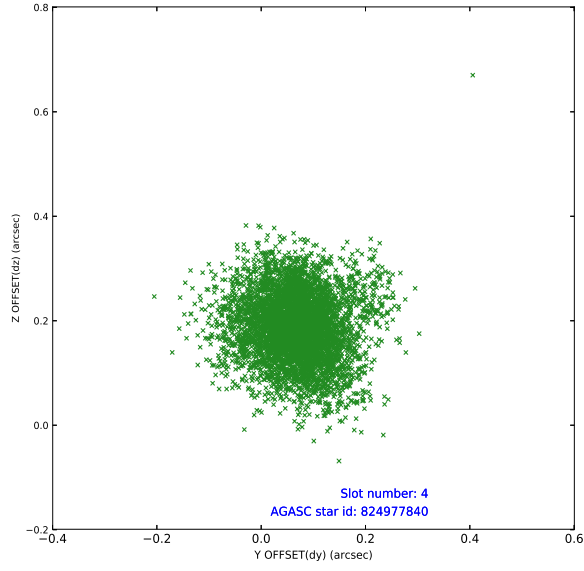
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-2	7.02	2515	1.000	0.100	-0.079	0.018	0.077	0.000000	0.000000	1237.19	-453
1	FID		HRC-S-3	7.04	2515	1.000	0.049	-0.114	0.012	0.021	0.000000	0.000000	-1164.77	568
2	FID		HRC-S-4	7.01	2514	1.000	0.259	-0.102	0.018	0.078	0.000000	0.000000	1235.46	571
3	GUIDE	used	824976424	7.57	5030	1.000	-0.133	-0.096	0.061	0.096	284.900091	-21.828249	813.44	1291
4	GUIDE	used	824977840	9.17	5028	1.000	0.069	0.190	0.096	0.162	285.448876	-22.329632	-1156.70	-359
5	GUIDE	used	824979304	8.98	5029	1.000	0.136	0.134	0.087	0.142	285.497931	-22.093264	-325.95	-604
6	GUIDE	used	824979864	9.40	5028	1.000	-0.065	-0.207	0.132	0.218	284.670947	-21.972498	366.93	2101
7	GUIDE	used	824984488	9.62	2510	1.000	-0.006	-0.035	0.130	0.210	284.803811	-21.903683	573.08	1637

2.4 Star Slots

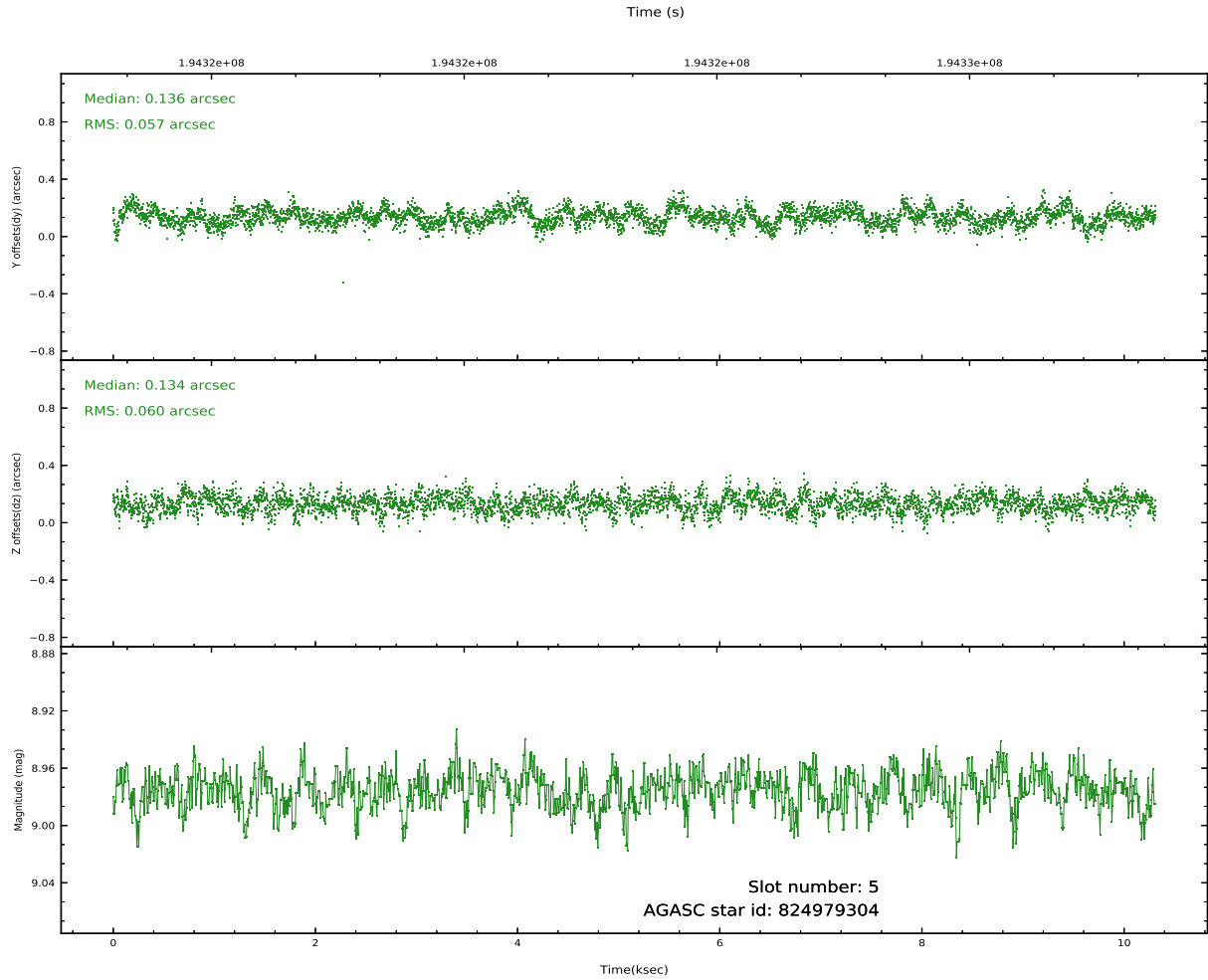
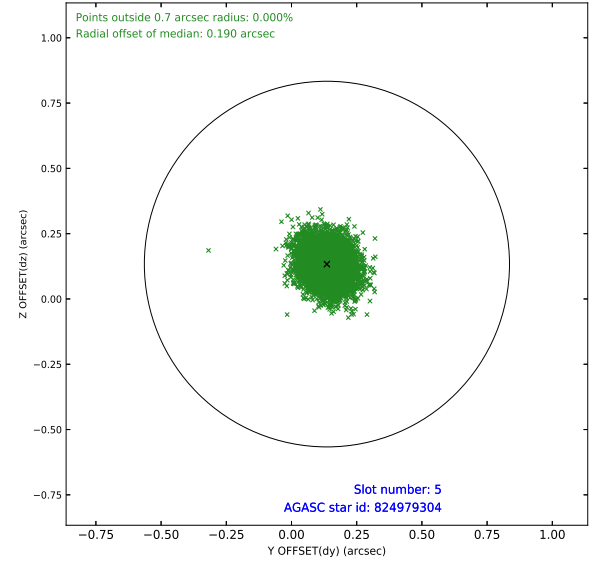
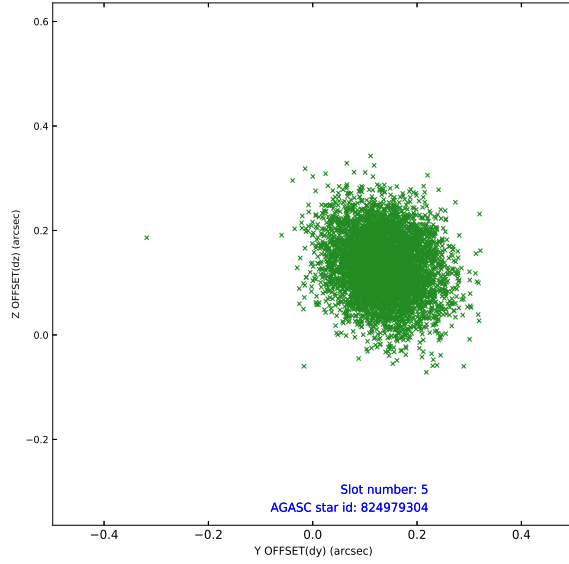
2.4.1 Slot 3



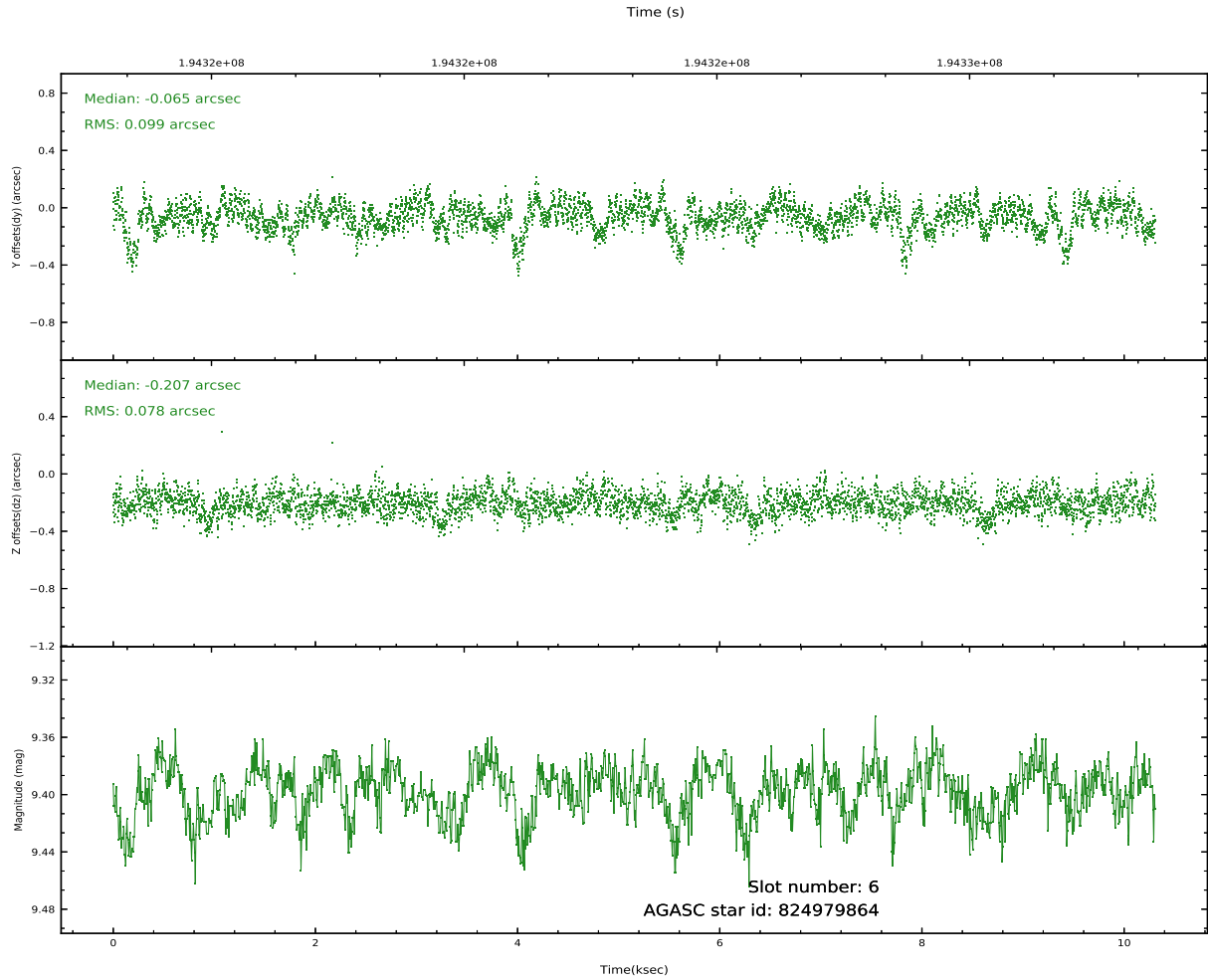
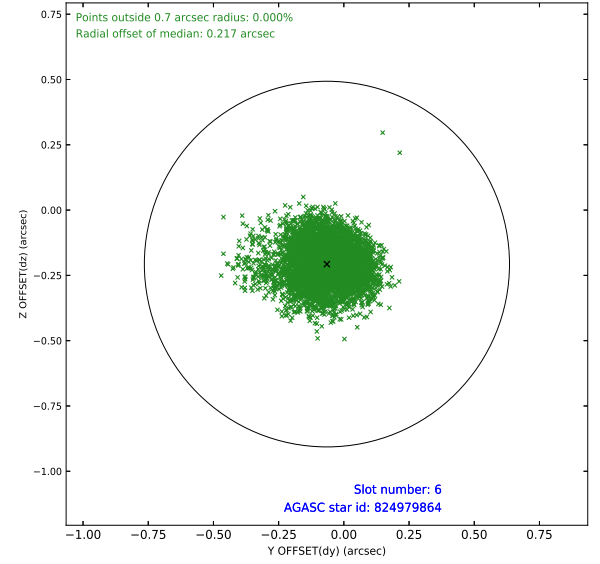
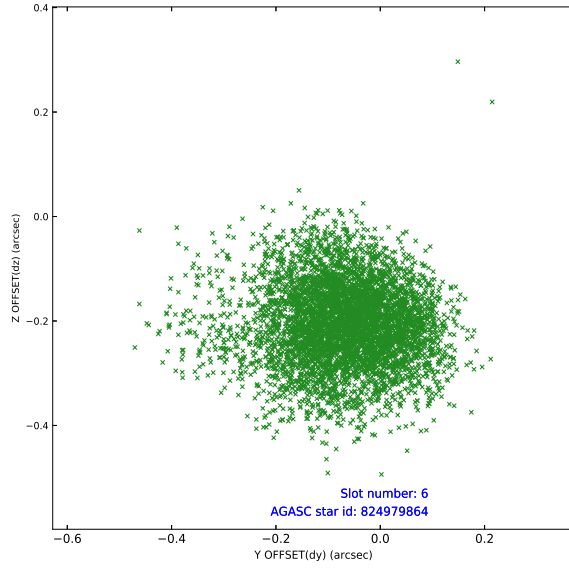
2.4.2 Slot 4



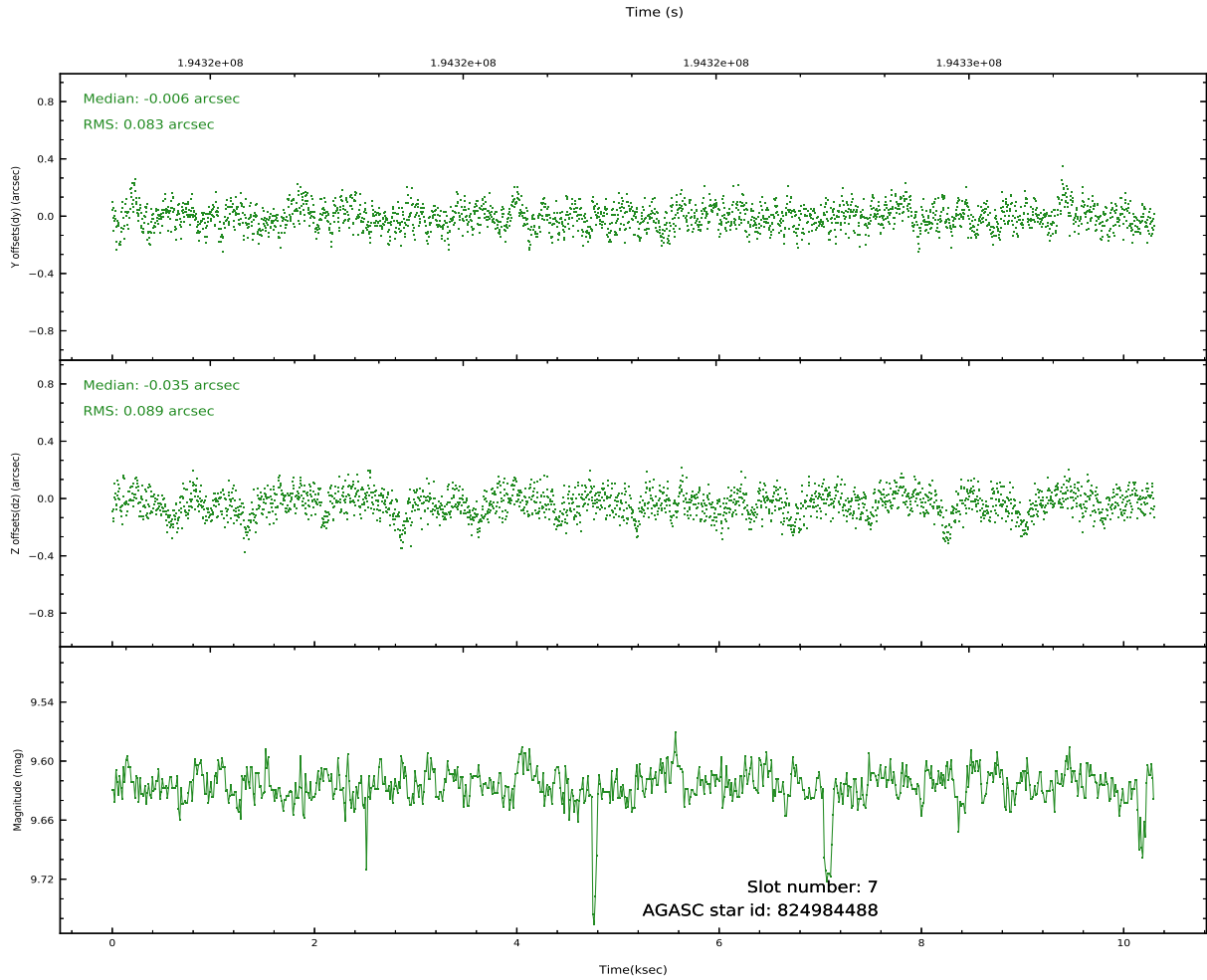
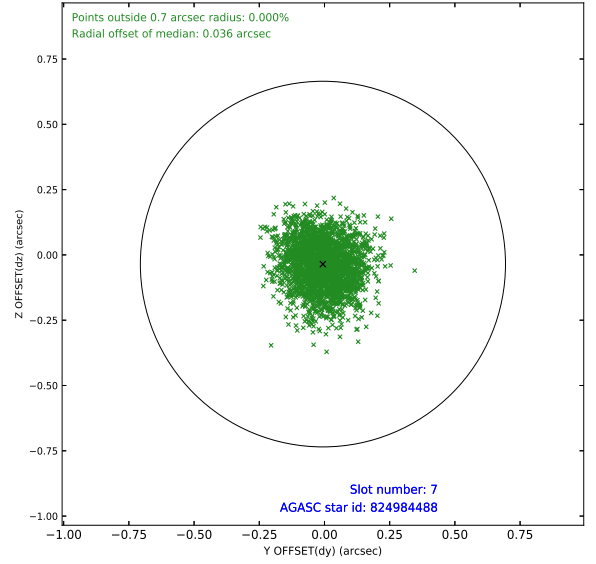
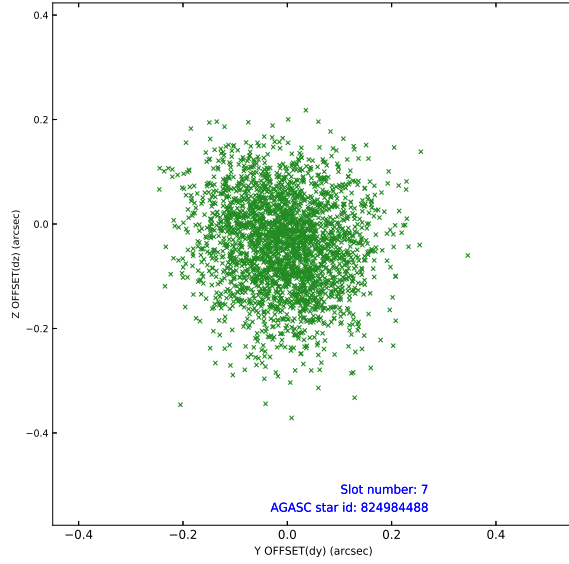
2.4.3 Slot 5



2.4.4 Slot 6

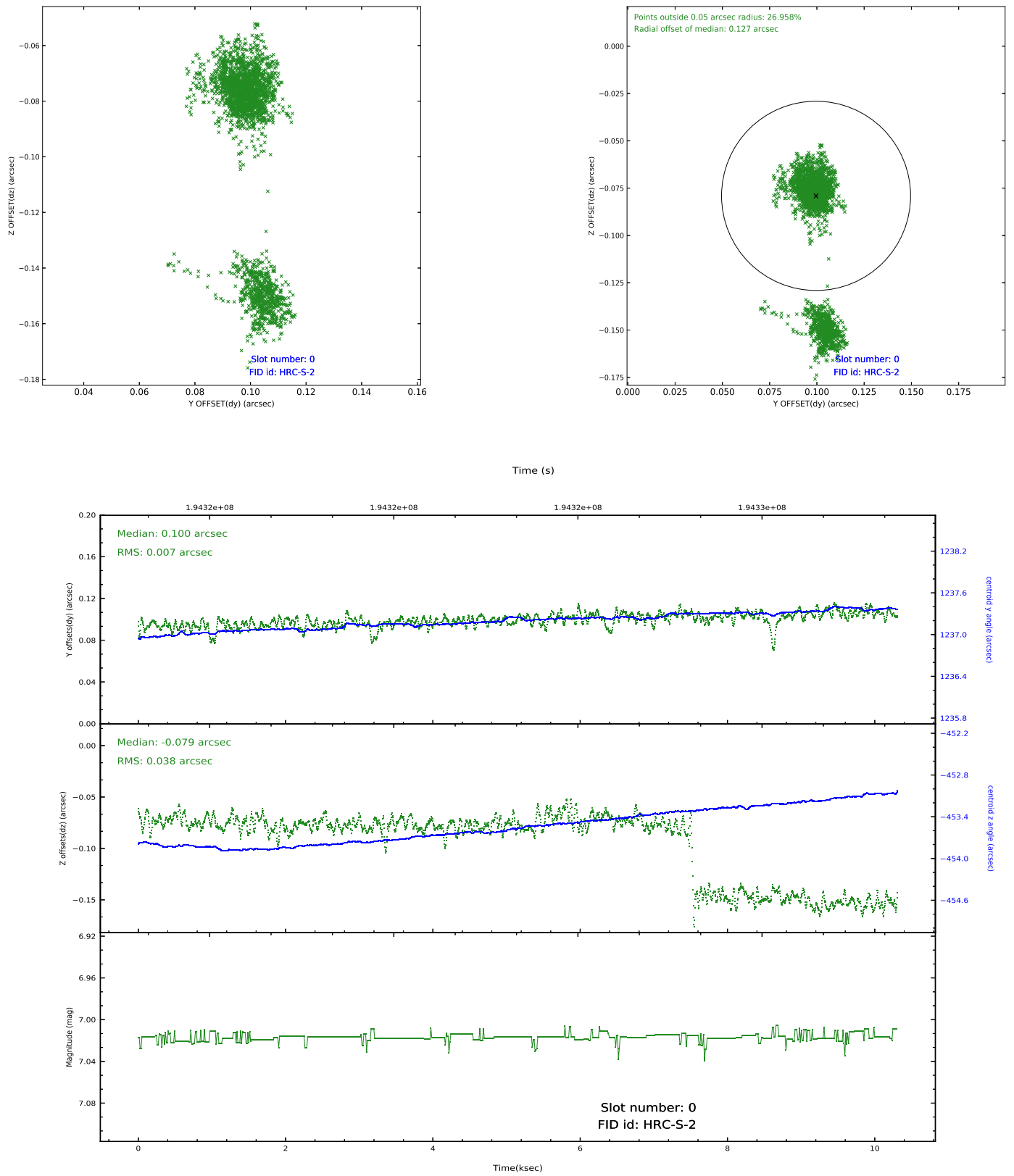


2.4.5 Slot 7

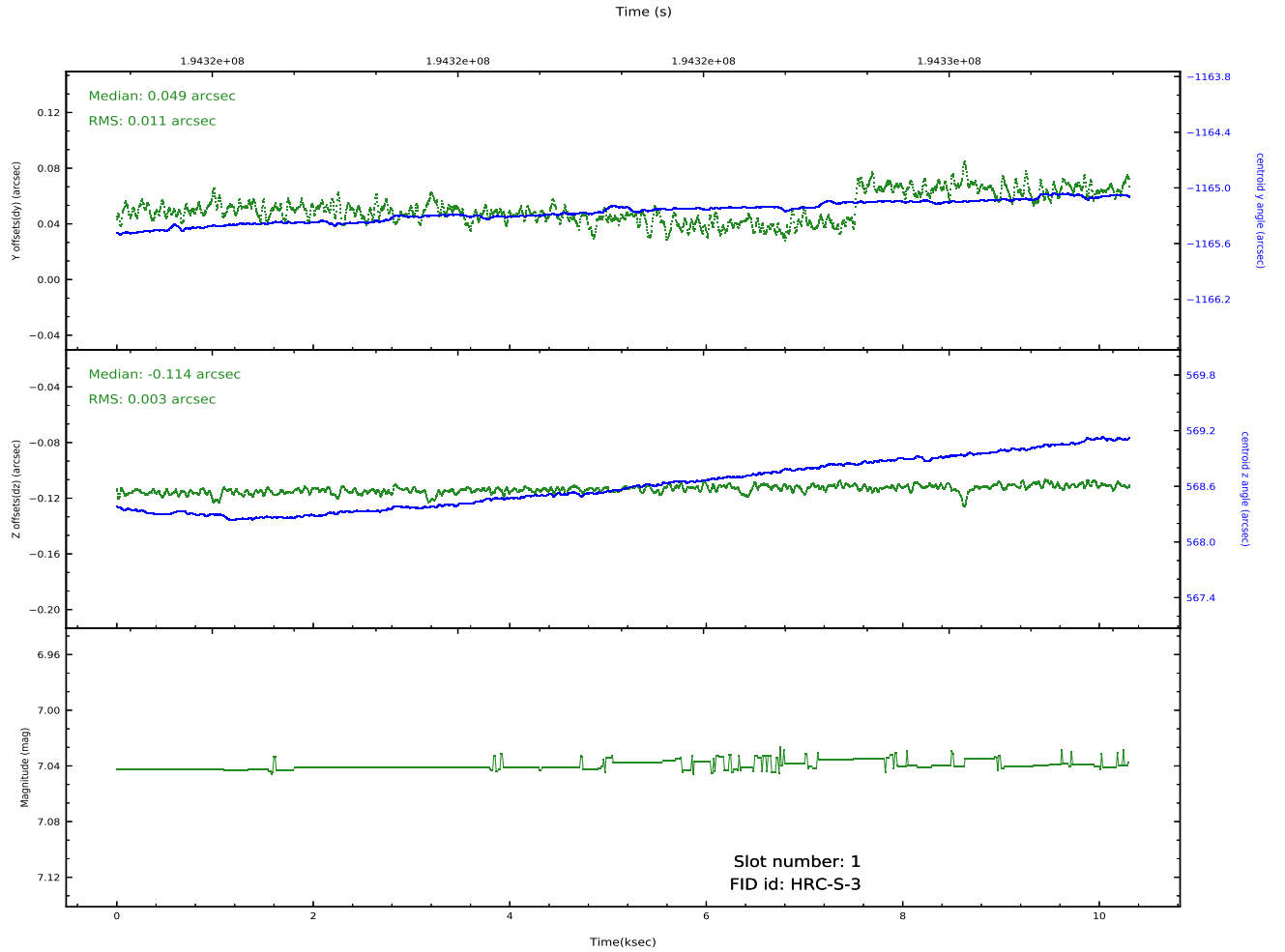
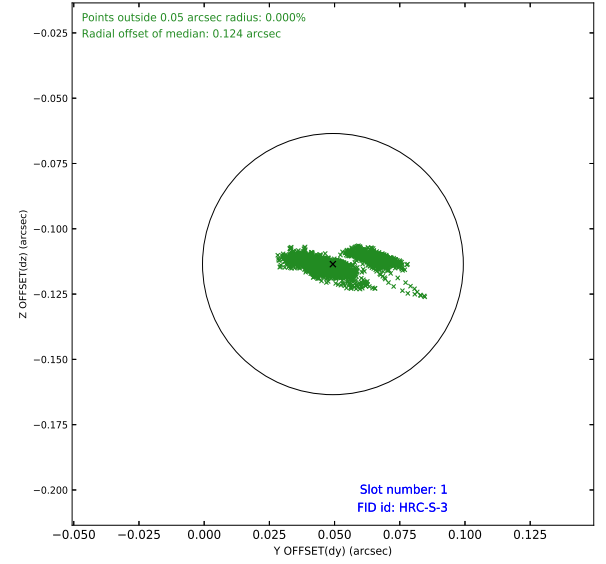
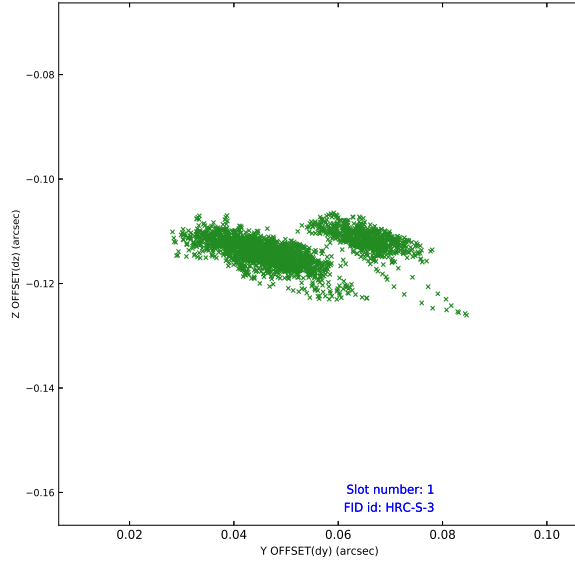


2.5 FID Slots

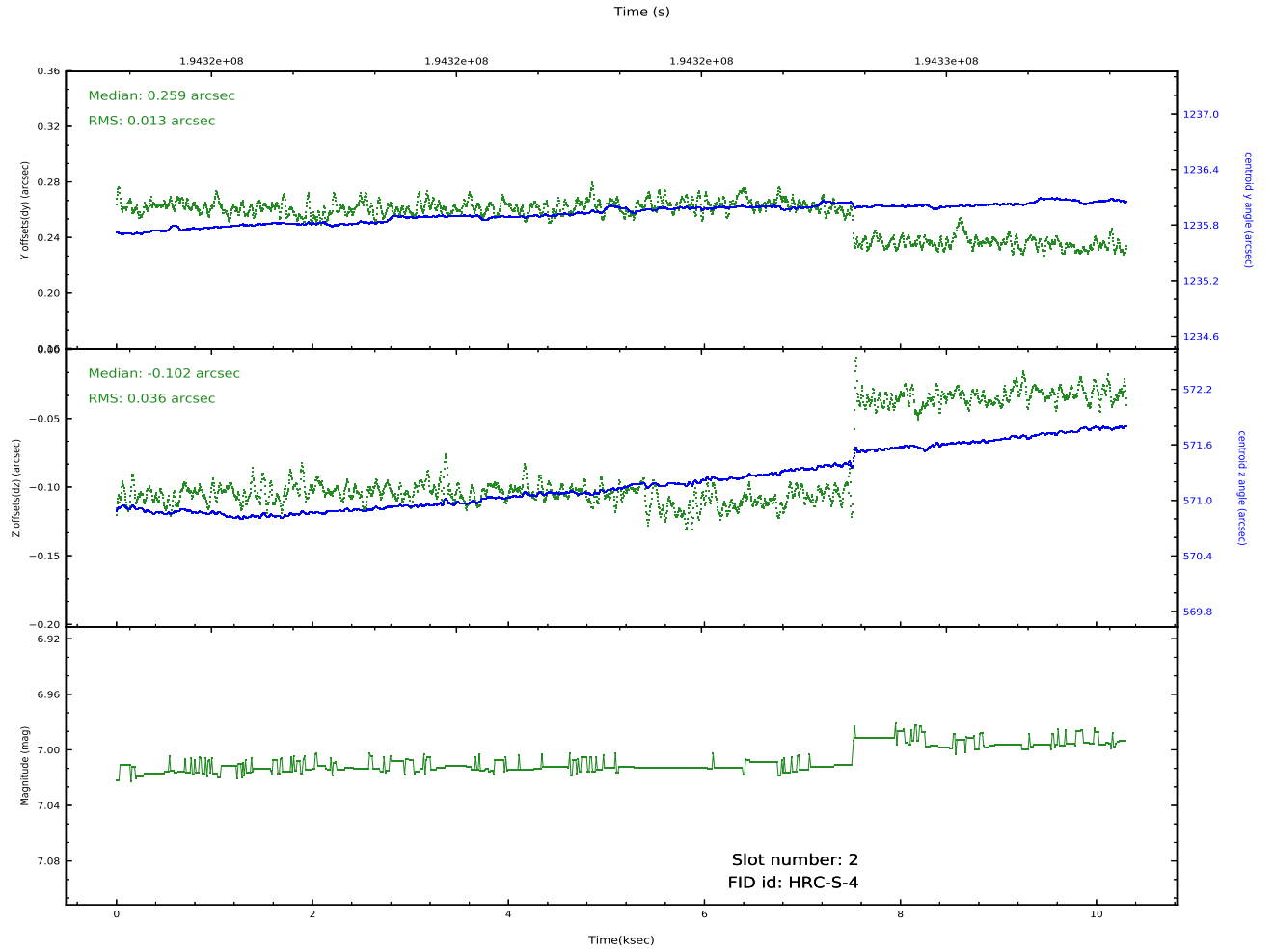
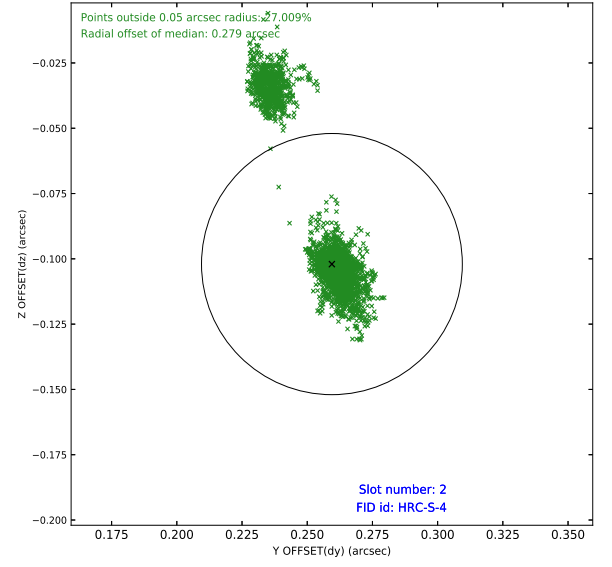
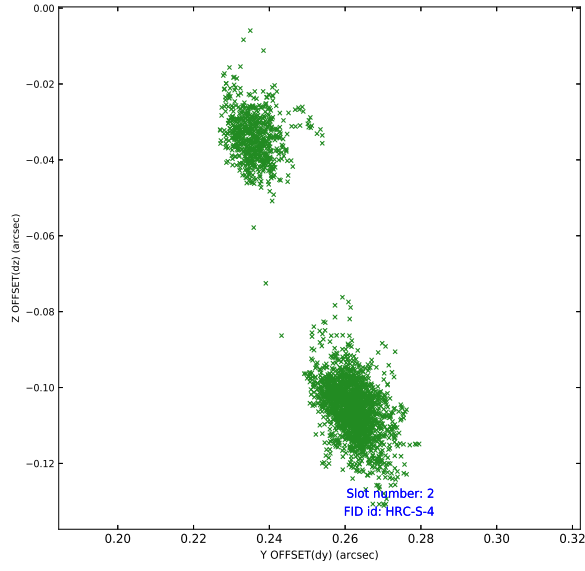
2.5.1 Slot 0



2.5.2 Slot 1

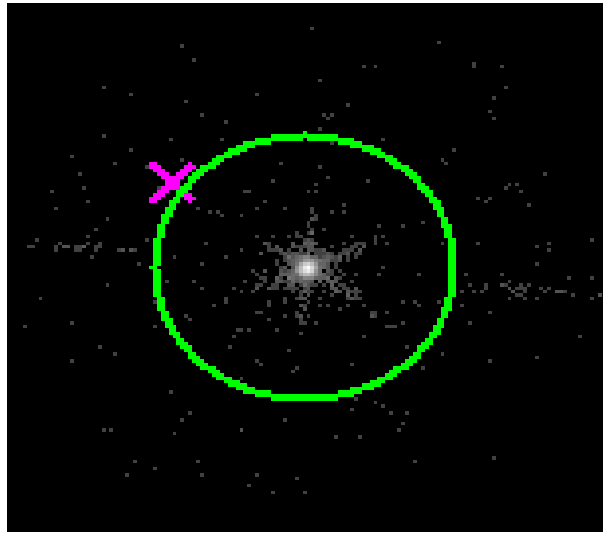


2.5.3 Slot 2

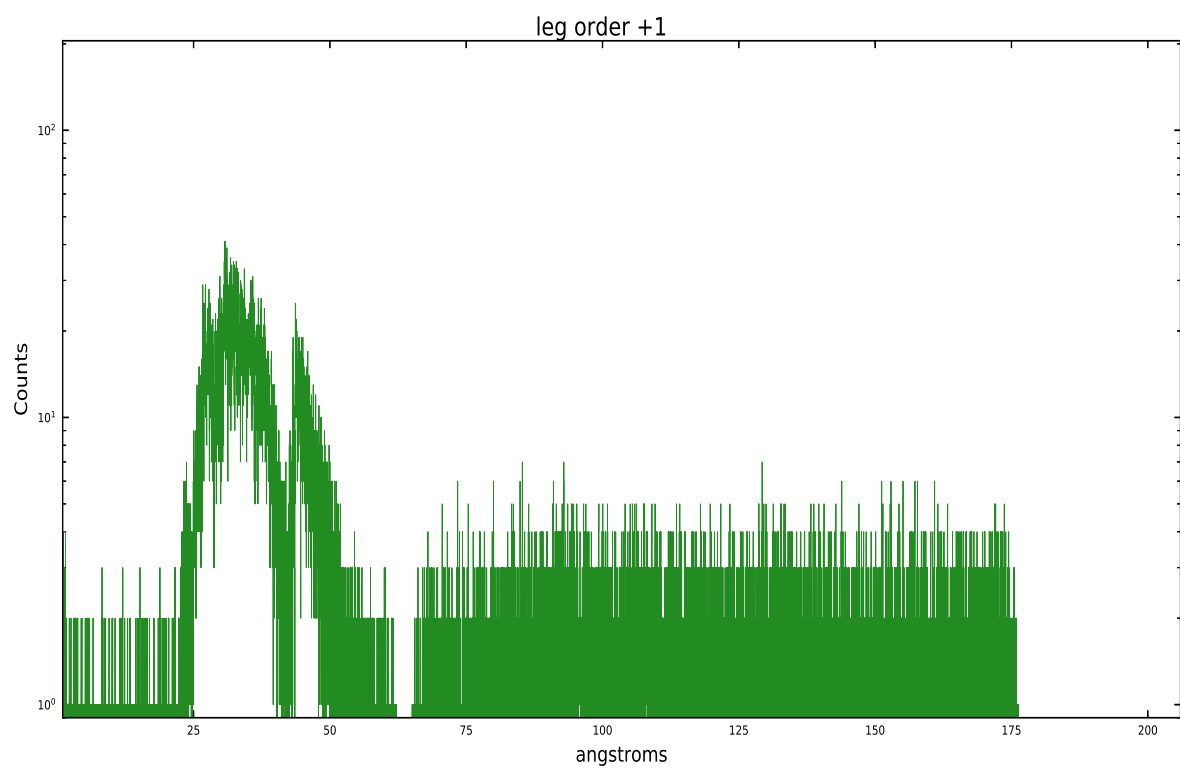
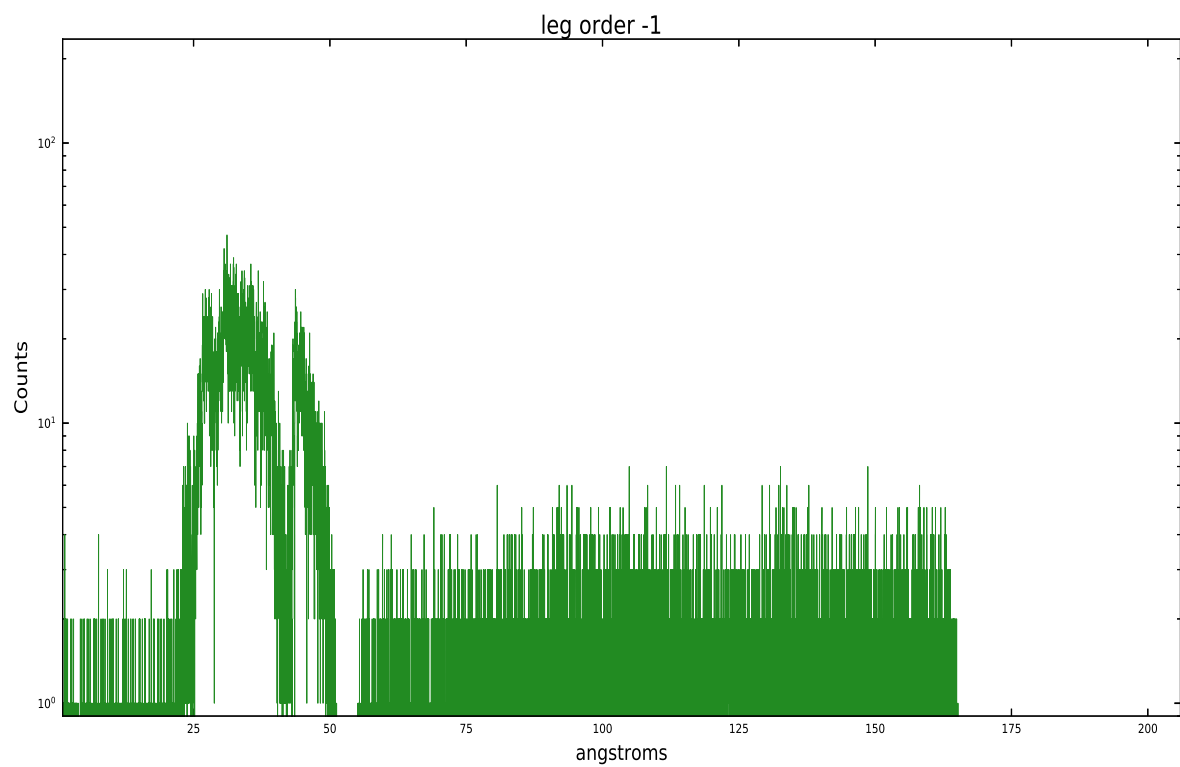


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2020.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.308

A.2 Comments