

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5440 - L2 Version 4
Chandra X-Ray Center

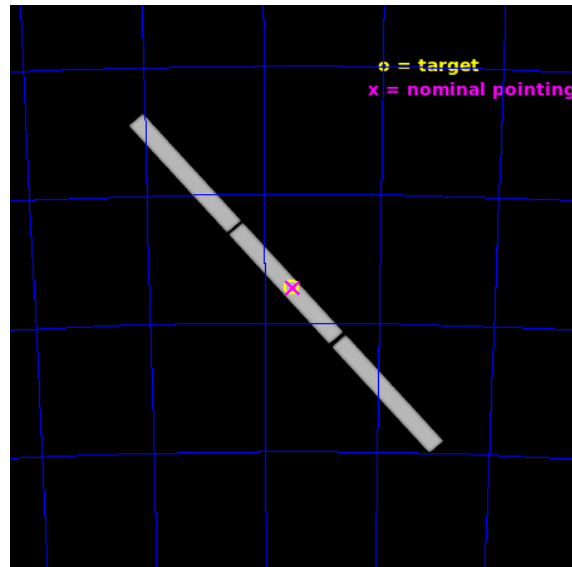
L2 Processing Date : Oct 7 2020

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1 Front

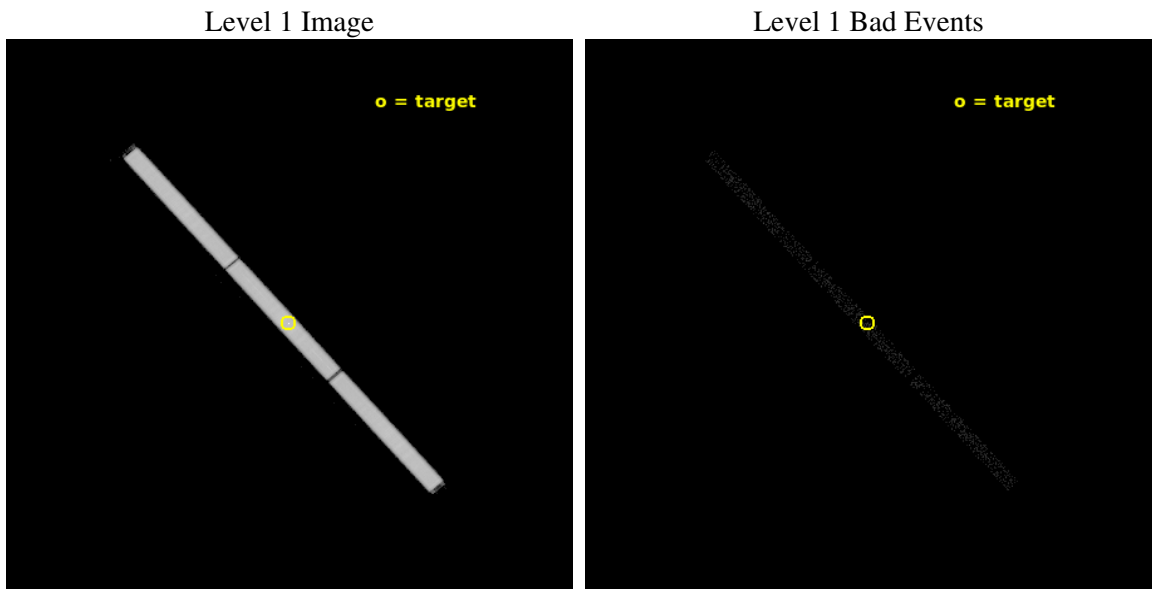
seq_num	300156	Sequence number
obs_id	5440	Observation id
title	Testing Accretion Scenarios at the Eddington Limit	Proposal title
observer	Dr. Vadim Burwitz	Principal investigator
object	RXJ0513.9-6951	Source name
ra_targ	78.461667	Observer's specified target RA [deg]
dec_targ	-69.863056	Observer's specified target Dec [deg]
ra_nom	78.450284000451	Nominal RA [deg]
dec_nom	-69.863819111437	Nominal Dec [deg]
roll_nom	228.54943708348	Nominal Roll [deg]
revision	4	Processing version of data
ontime	24712.751123697	[s]
livetime	24533.124998516	Ontime multiplied by DTCOR
l2events	1430624	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	24600.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	24712.751123697	[s]
caldsver	4.9.2	 	l1events	2052520	Number of level 1 events
date	2020-10-07T23:39:07	Date and time of file creation	tgmethod	TGDETECT	Method used to create src1a file
revision	4	Processing version of data	zo_pos	(32664.98, 32784.80)	src1a sky pixel position

2.1.3 Events

Level 1 Events

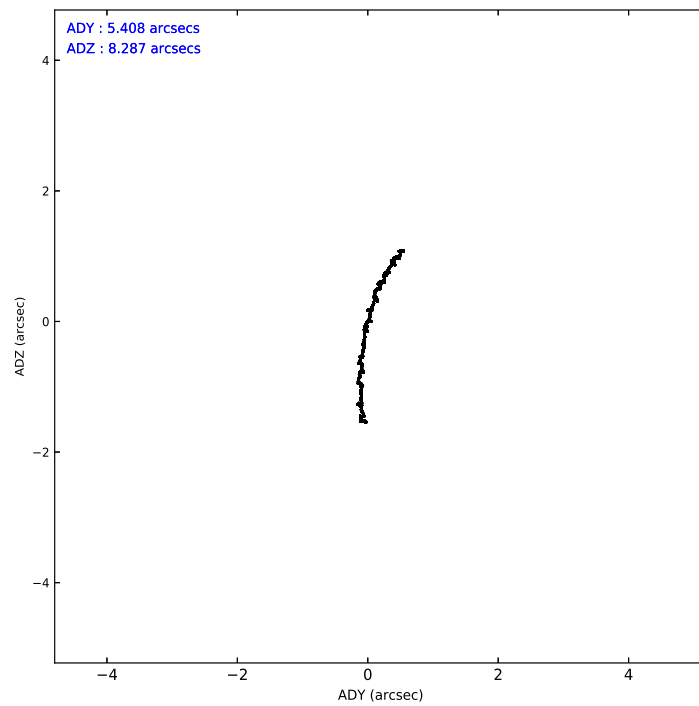
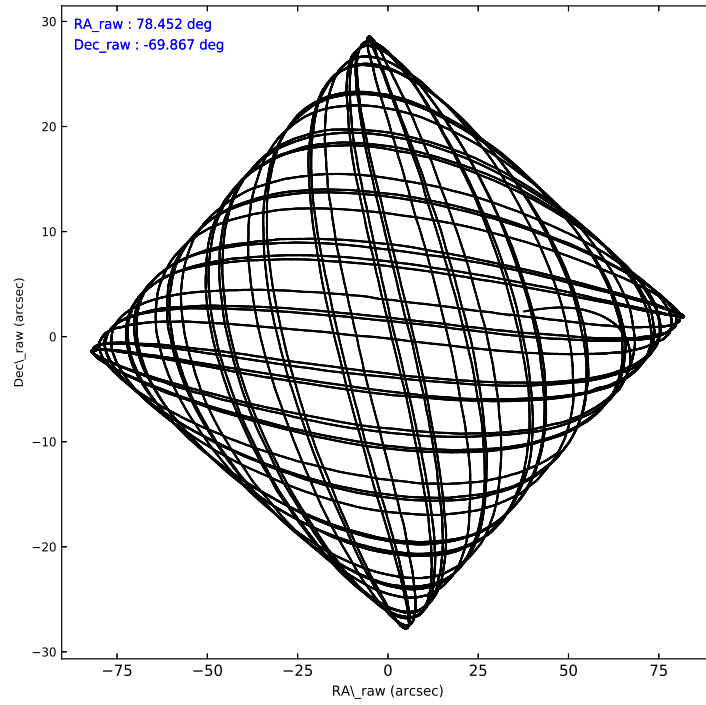
	segment 1	segment 2	segment 3
level 1 events	683931	679309	689280
rejected events	27542	27051	28020
rejected %	4%	3%	4%

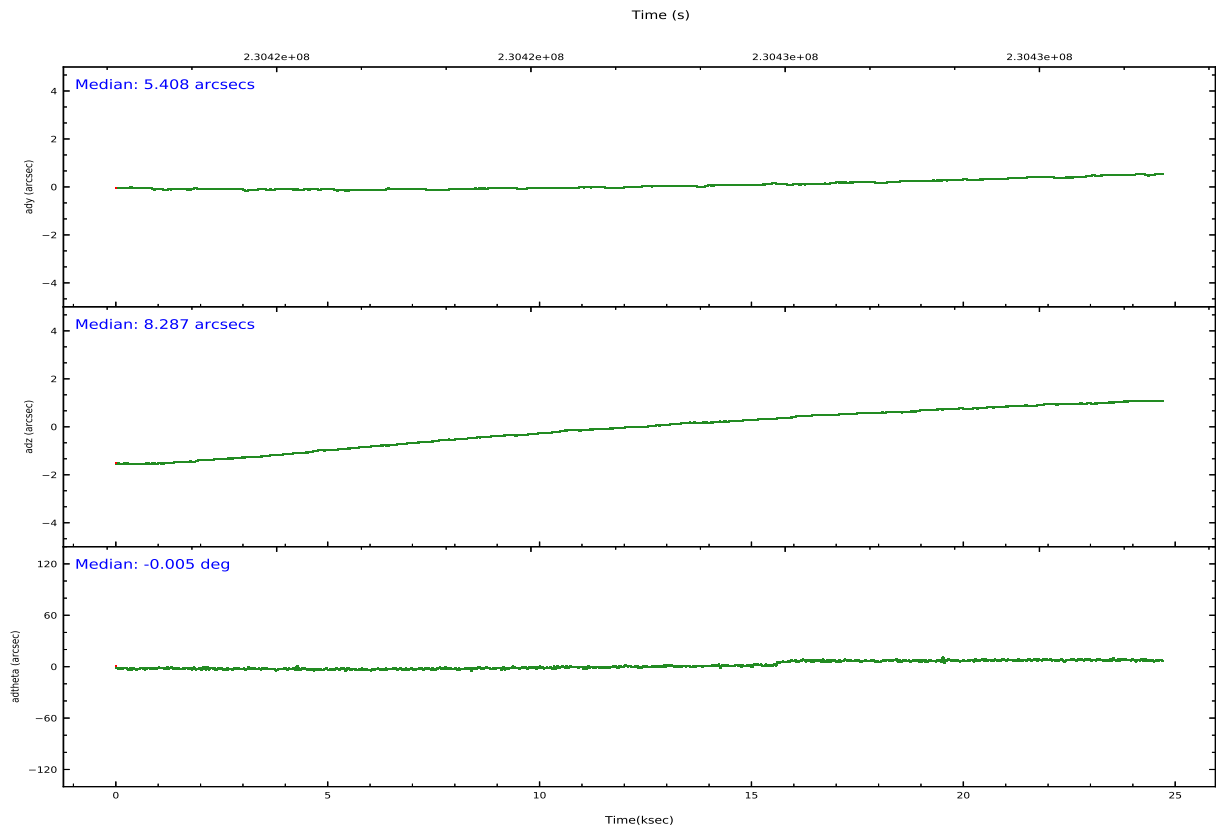
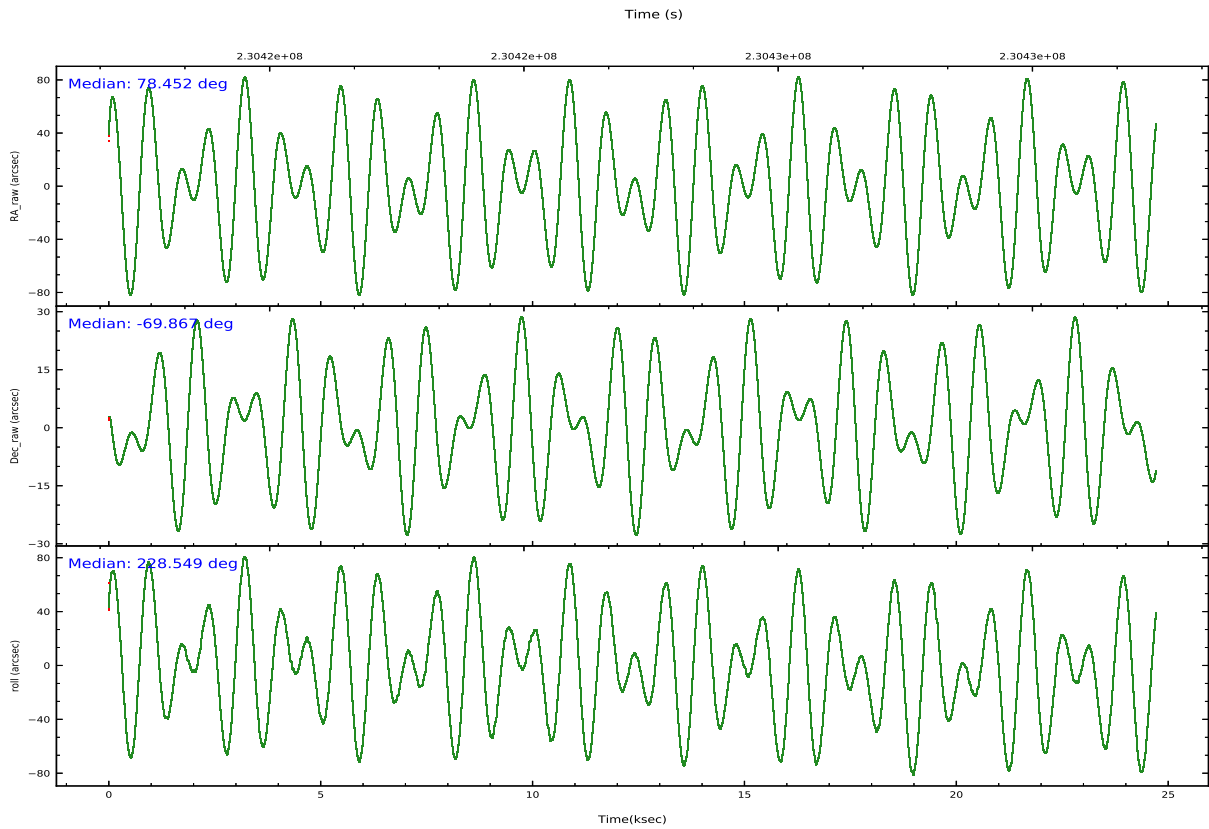
2.2 Compared Parameters

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	78.464777	78.45028400045101
[deg] Pointing Dec	-69.838193	-69.863819111437
[deg] Pointing Roll	228.497225	228.54943708348
[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)	230412318.184000	230411213.454
Observation start date	2005-04-20T19:24:14	2005-04-20T19:06:53
[s] Observation end time (MET)	230436918.184000	230437712.2677
Observation end date	2005-04-21T02:14:14	2005-04-21T02:28:32

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

2.3 Aspect



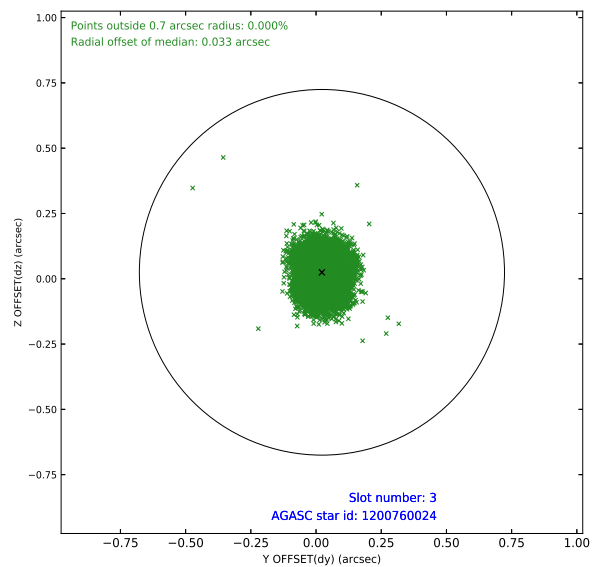
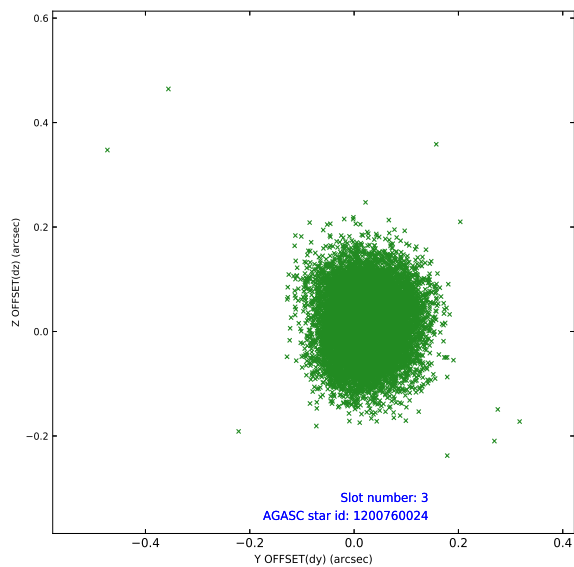


Slot Statistics

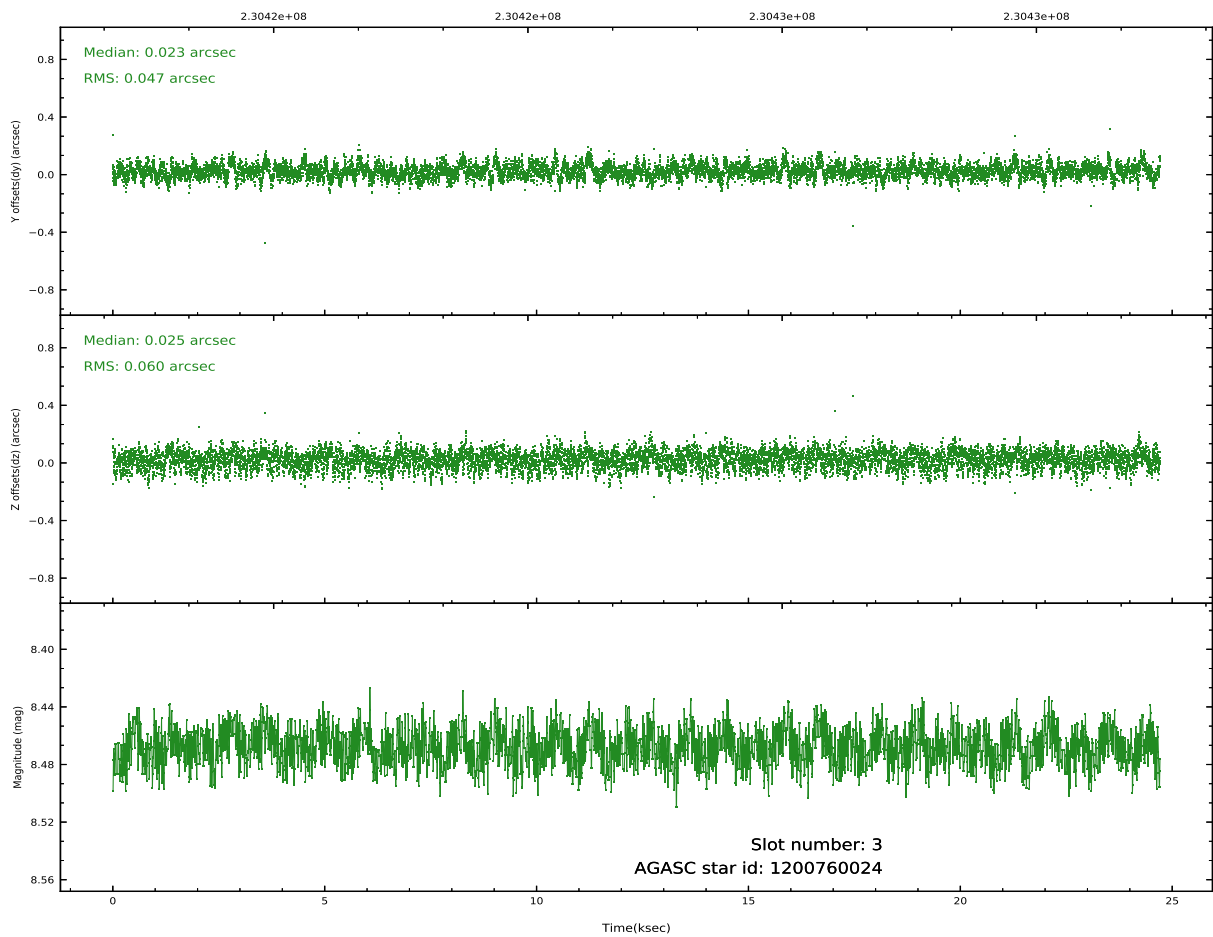
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-2	6.99	6029	1.000	0.140	-0.170	0.032	0.047	0.000000	0.000000	1240.10	-449
1	FID		HRC-S-3	7.00	6027	1.000	0.115	-0.096	0.014	0.027	0.000000	0.000000	-1162.14	572
2	FID		HRC-S-4	6.94	6028	1.000	0.151	-0.028	0.032	0.051	0.000000	0.000000	1238.48	575
3	GUIDE	used	1200760024	8.47	12053	1.000	0.023	0.025	0.082	0.132	77.625244	-69.320410	-682.95	-2029
4	GUIDE	used	1201280984	7.02	12056	1.000	-0.053	-0.046	0.055	0.088	77.867422	-69.546090	-286.56	-1257
5	GUIDE	used	1201407648	9.15	12054	1.000	0.058	0.059	0.095	0.153	78.636737	-70.585025	1877.32	1935
6	GUIDE	used	1201411776	8.86	12030	1.000	0.049	-0.016	0.096	0.150	79.010603	-70.456328	1233.05	1968
7	GUIDE	used	1201409432	9.03	12042	1.000	-0.073	-0.019	0.093	0.150	79.317334	-70.259796	454.95	1786

2.4 Star Slots

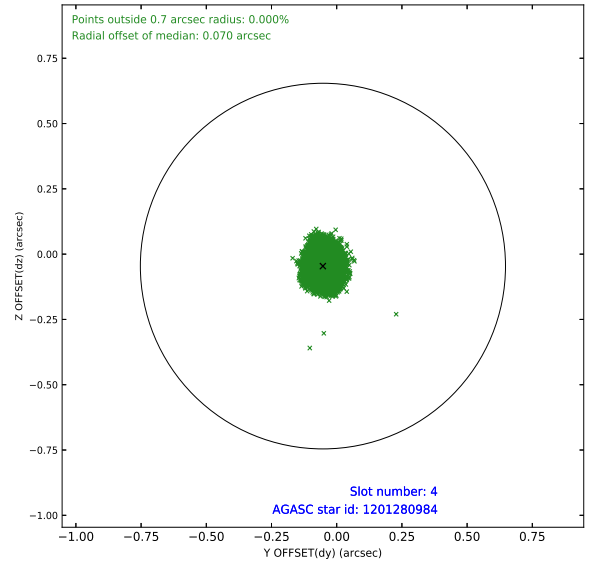
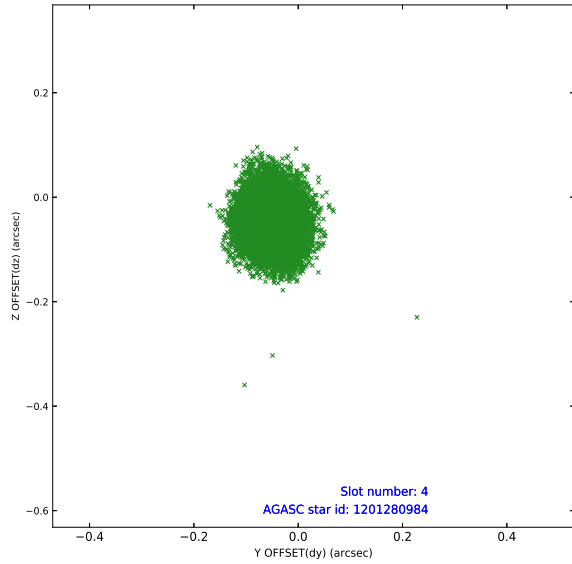
2.4.1 Slot 3



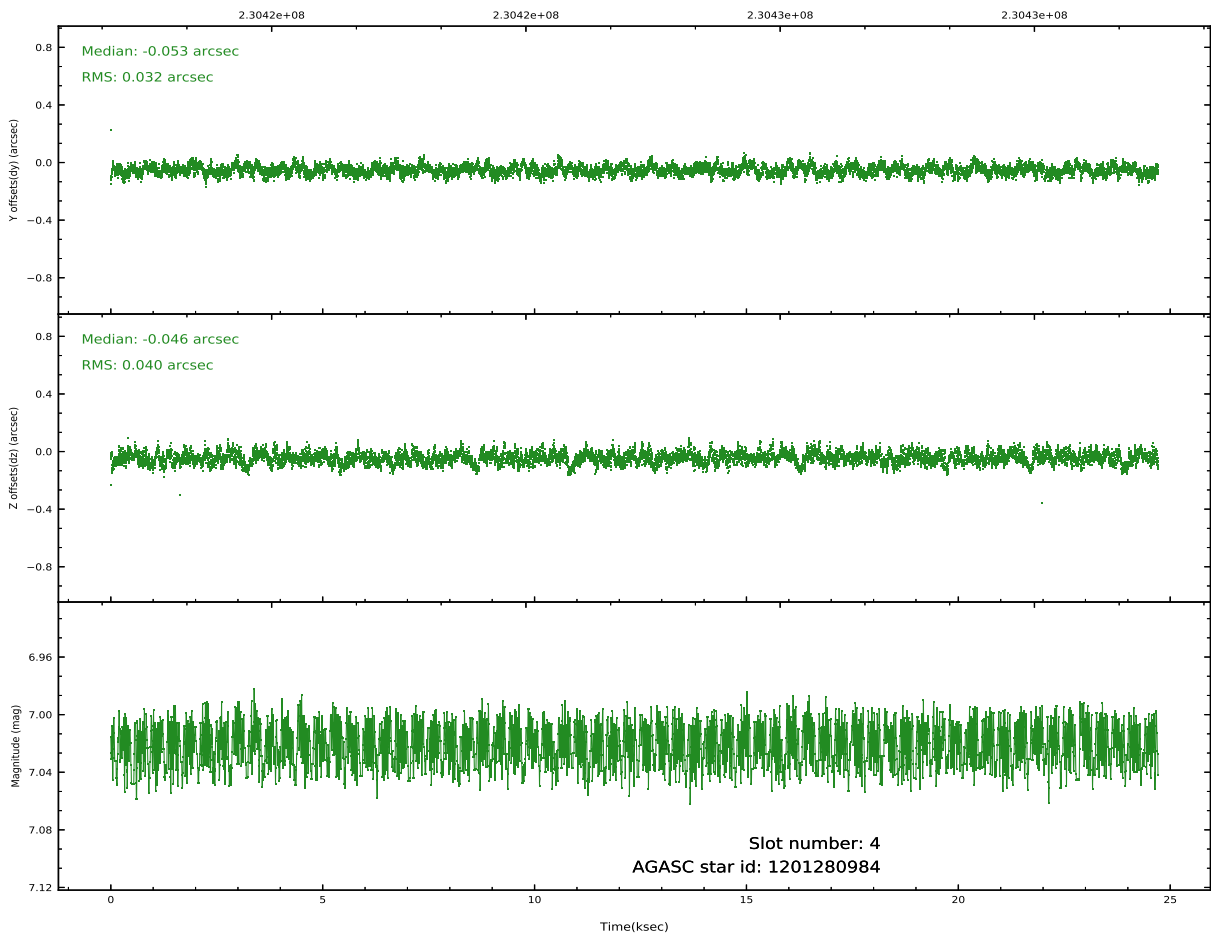
Time (s)



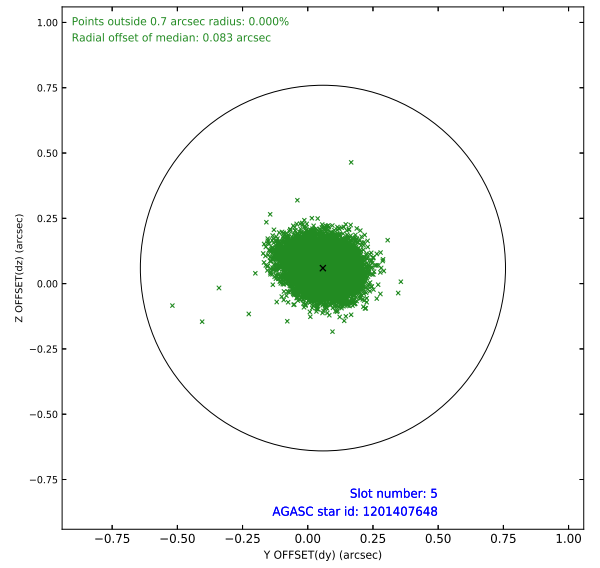
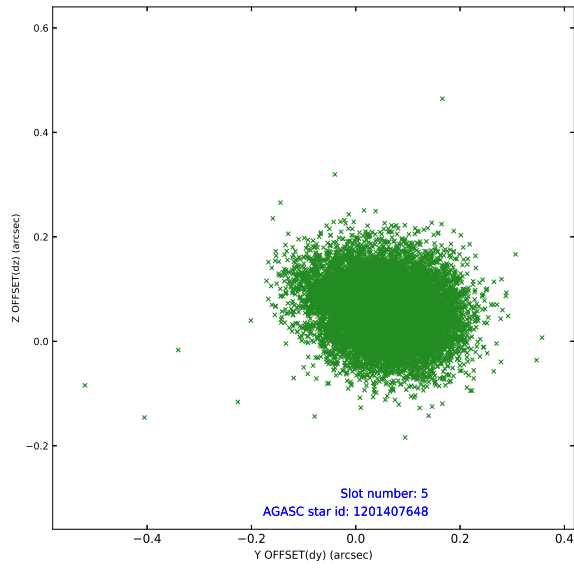
2.4.2 Slot 4



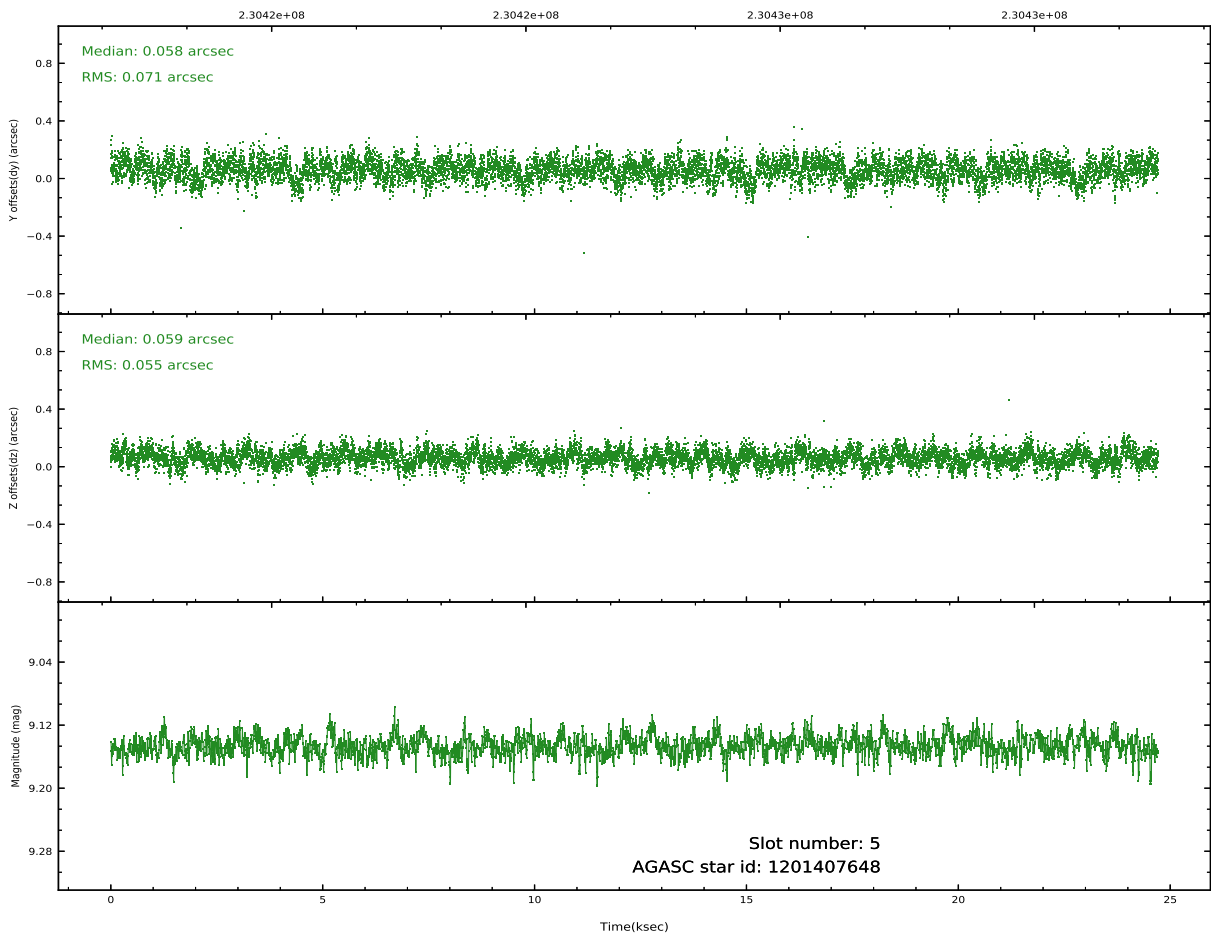
Time (s)



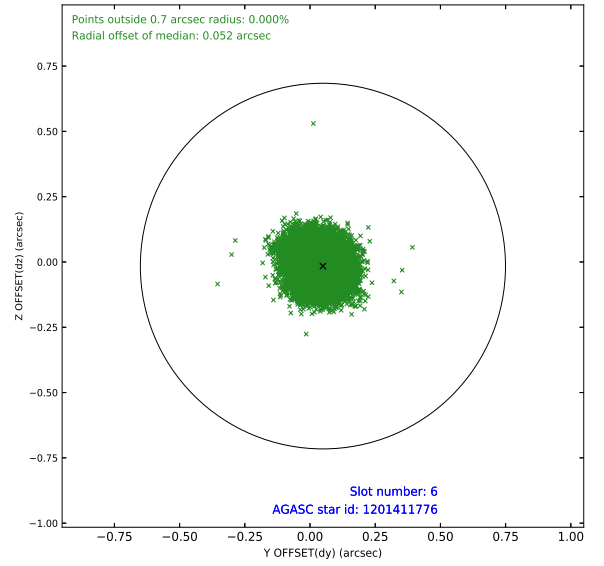
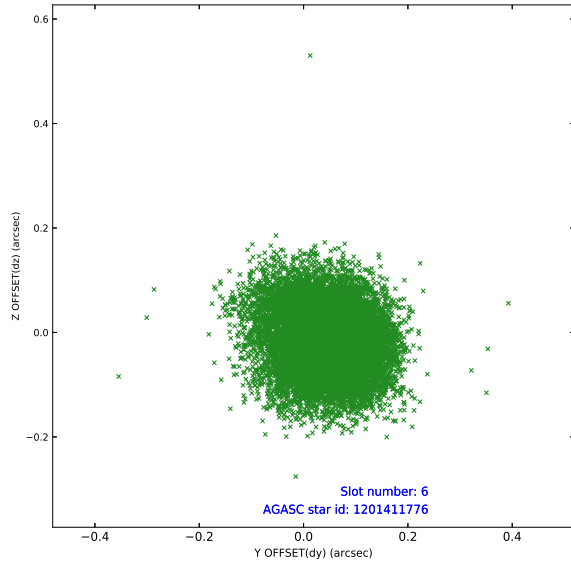
2.4.3 Slot 5



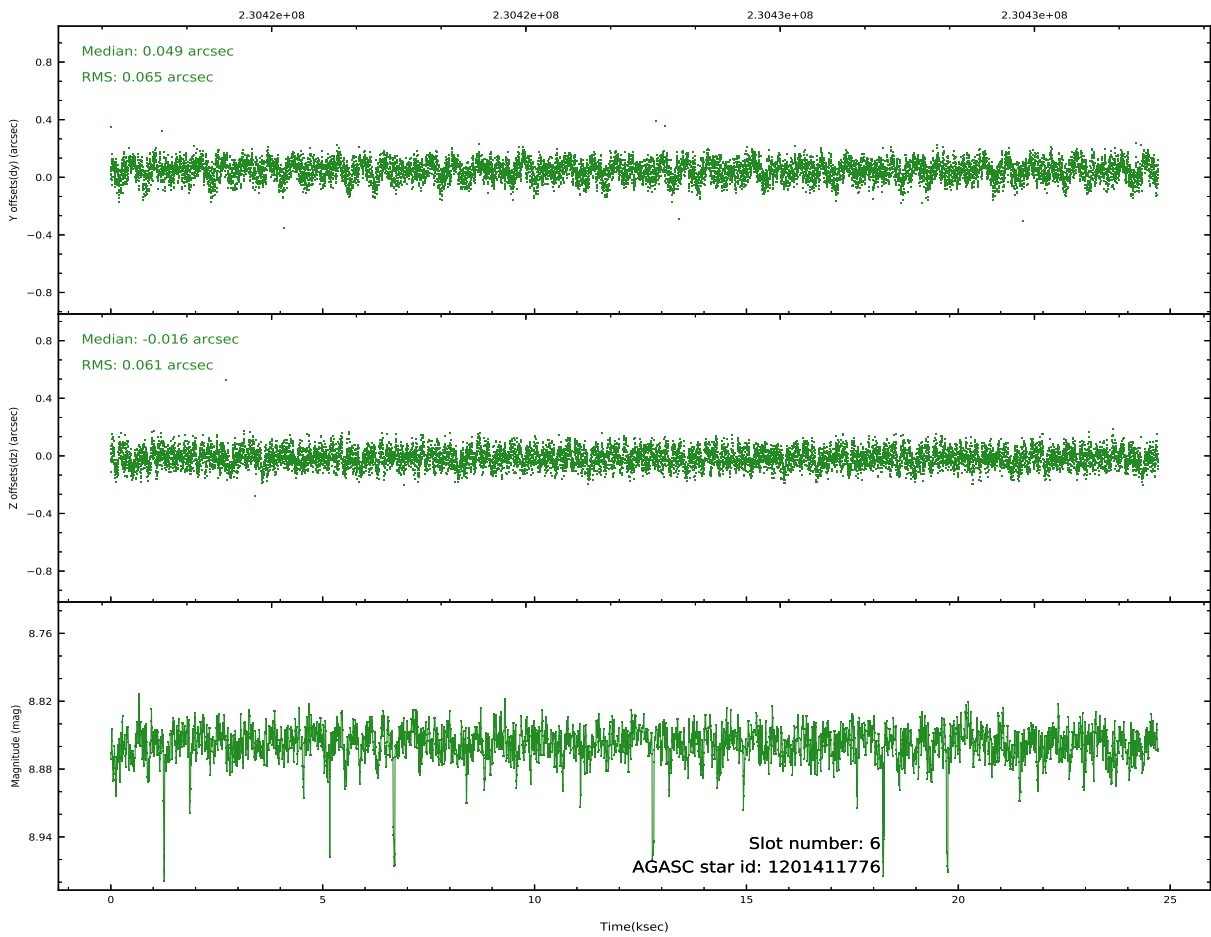
Time (s)



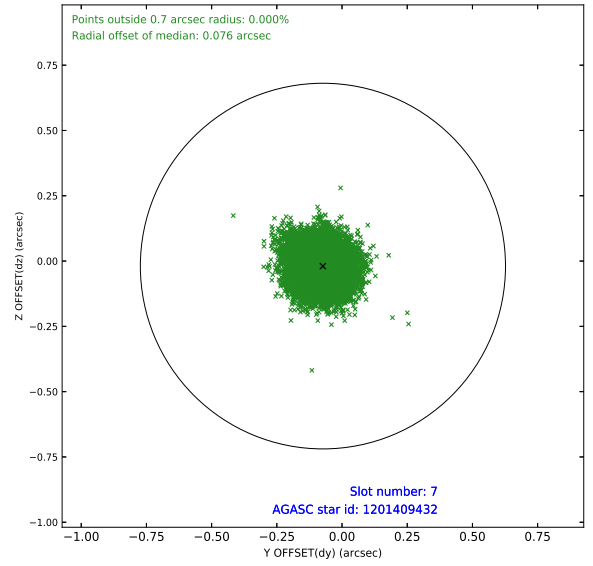
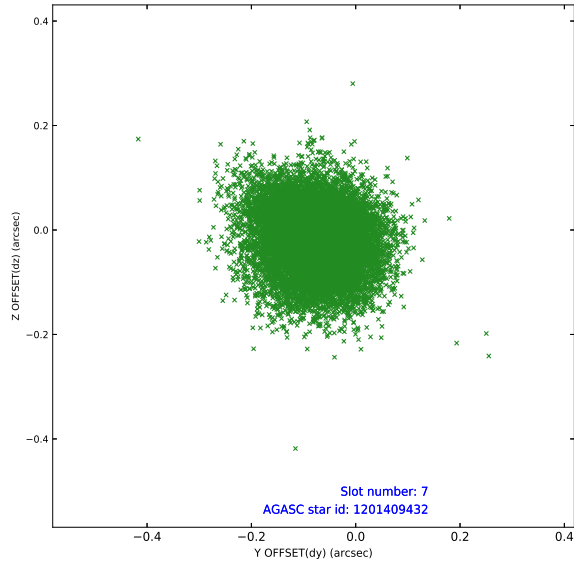
2.4.4 Slot 6



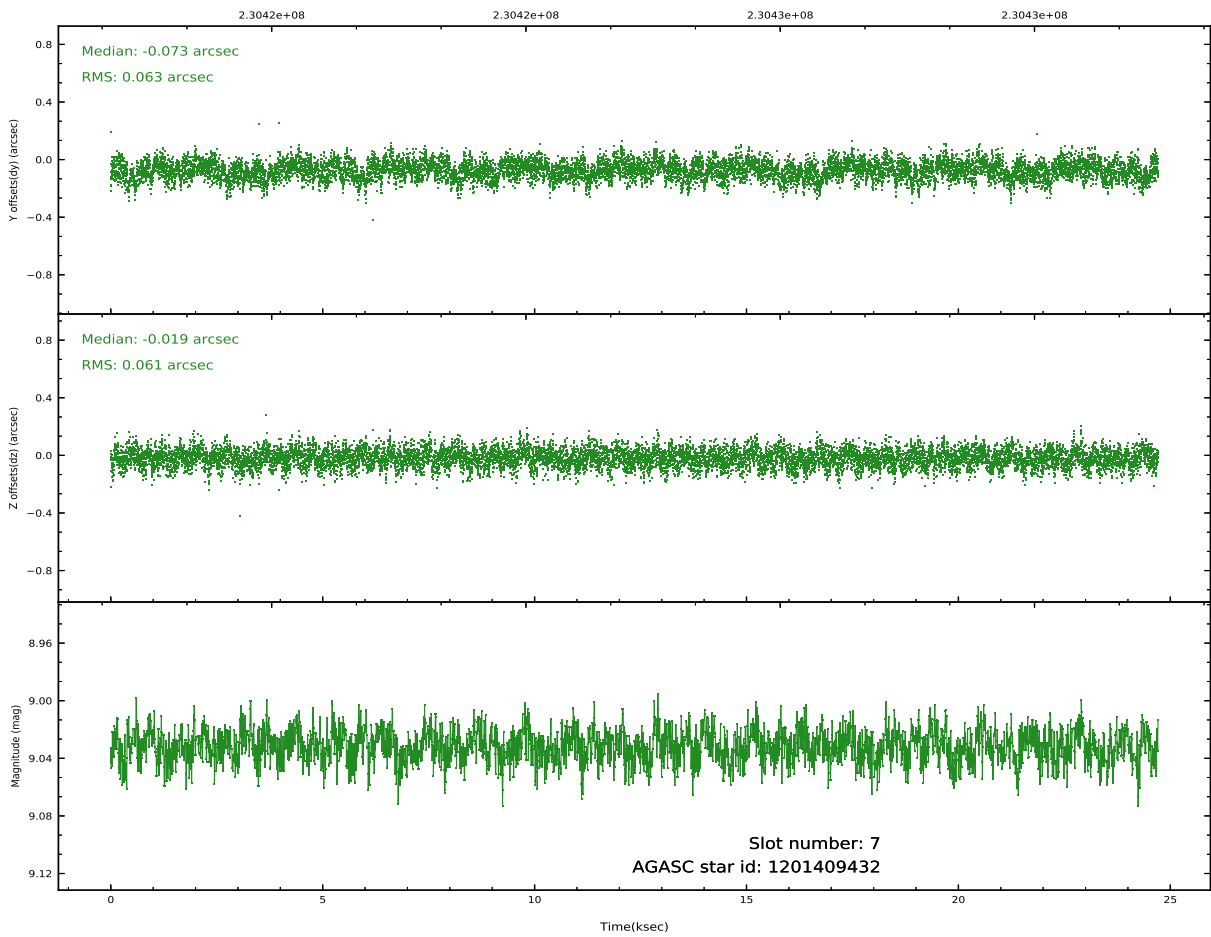
Time (s)



2.4.5 Slot 7

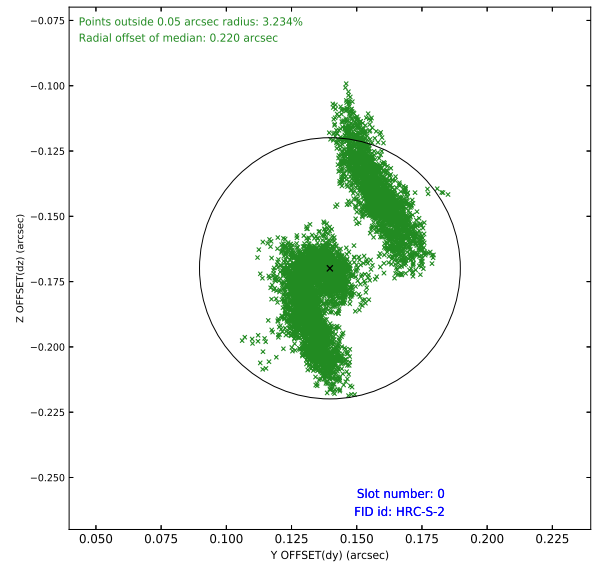
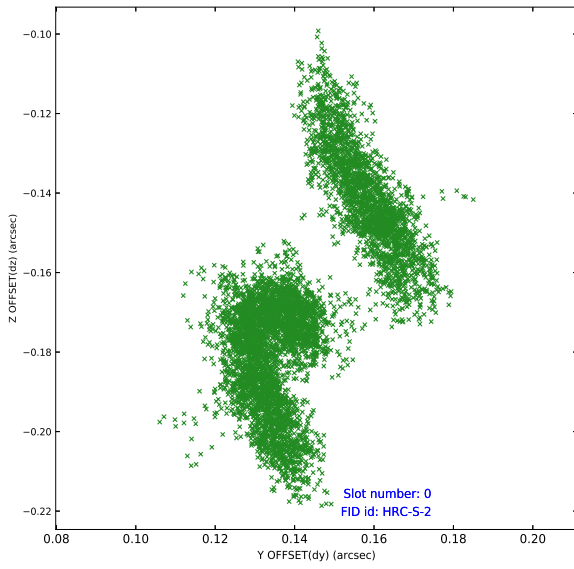


Time (s)

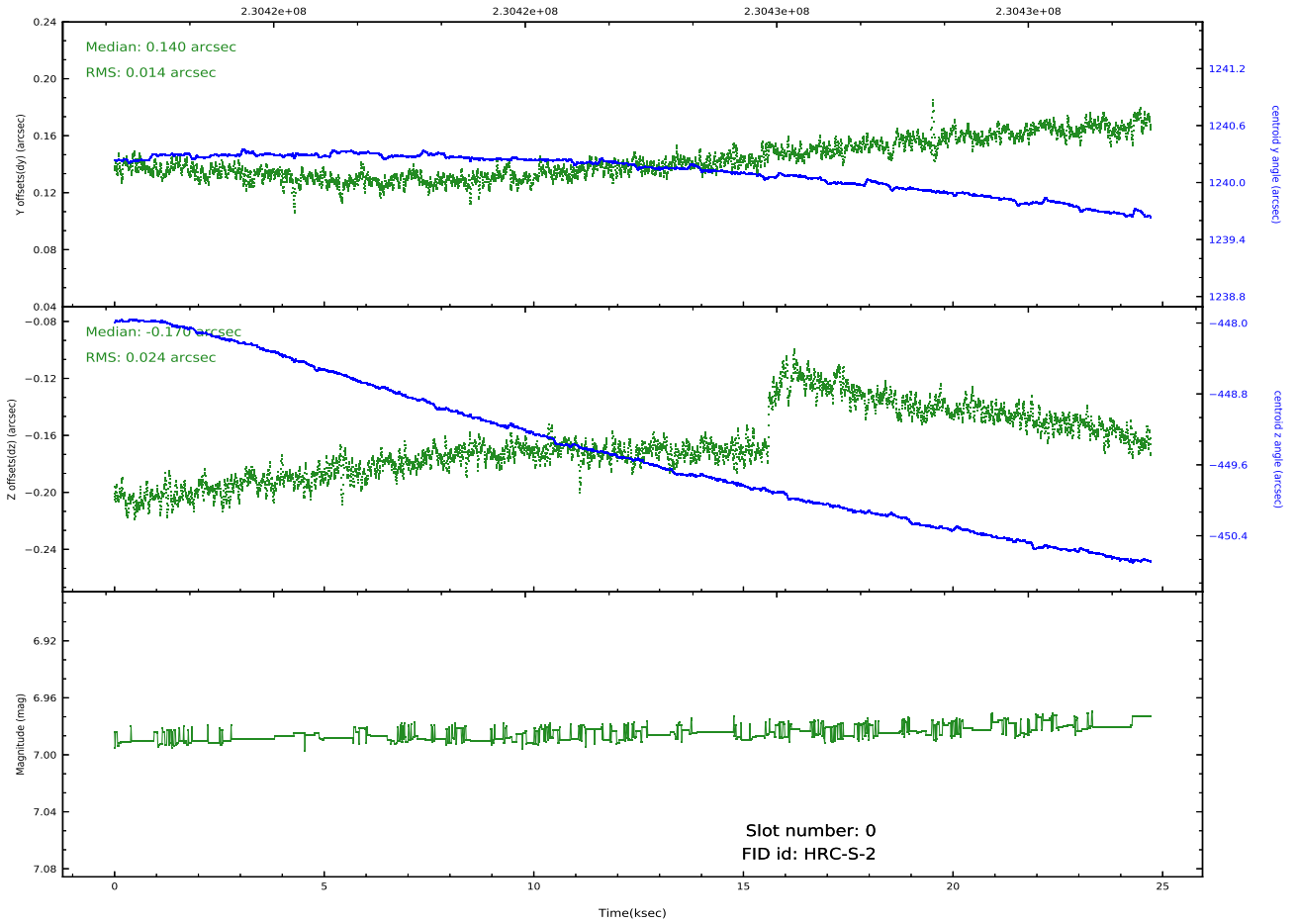


2.5 FID Slots

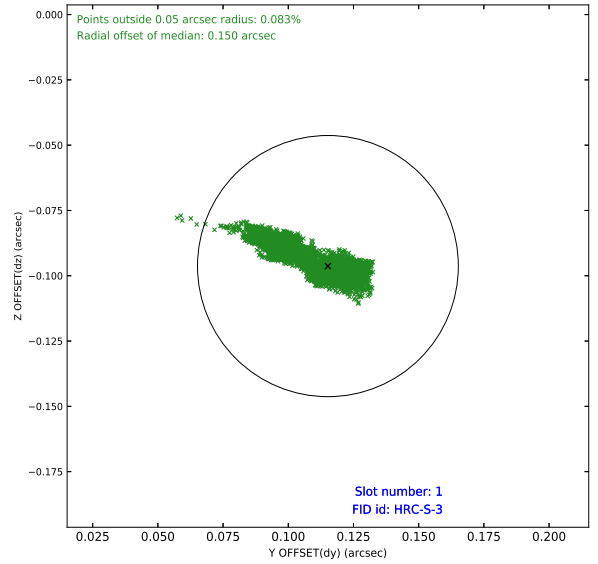
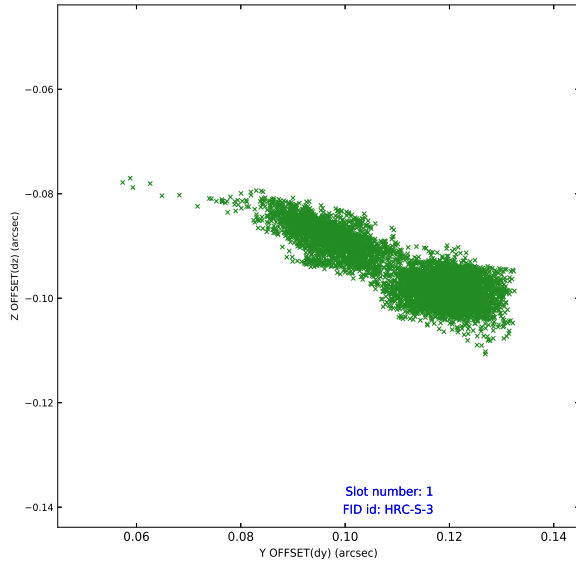
2.5.1 Slot 0



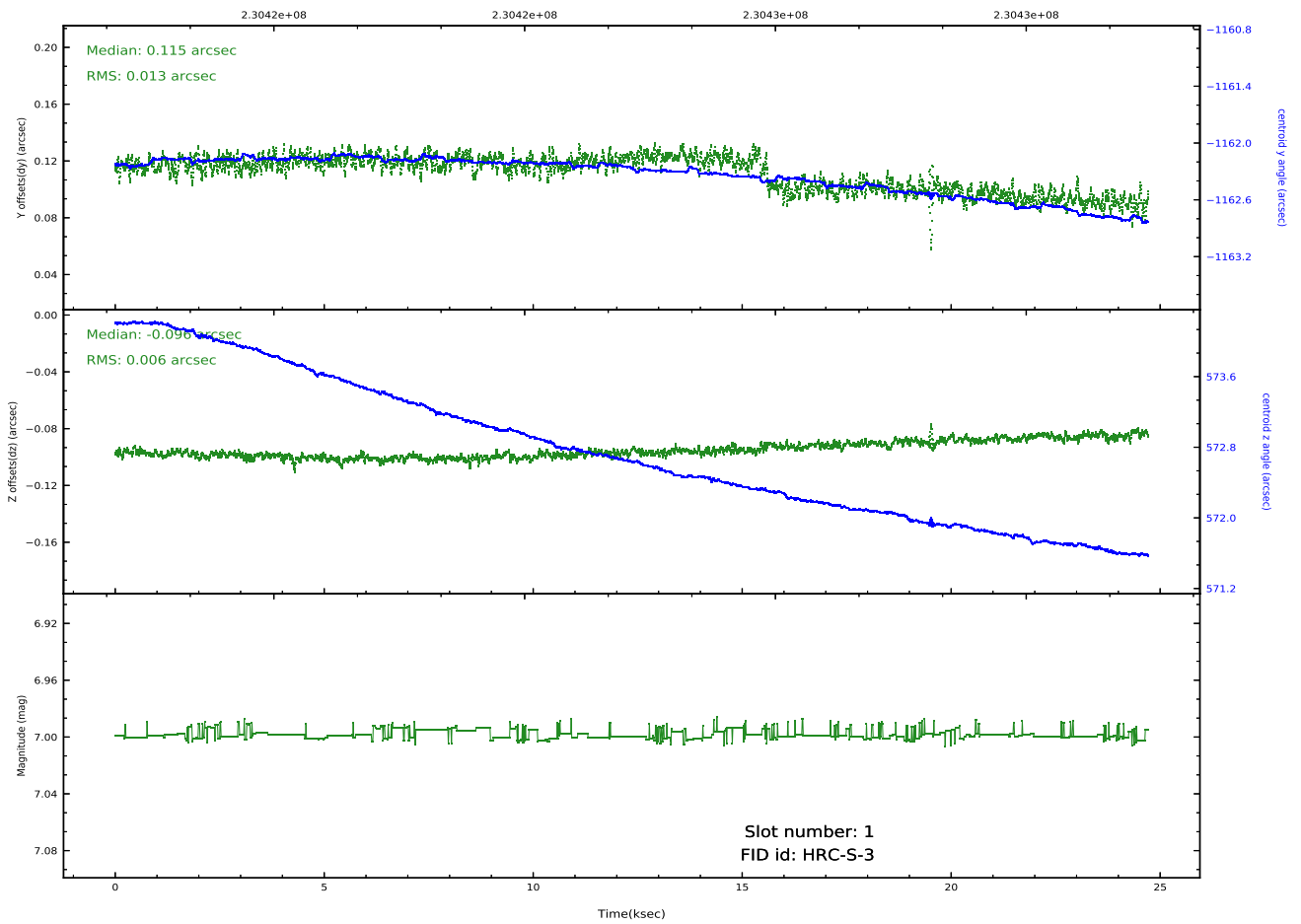
Time (s)



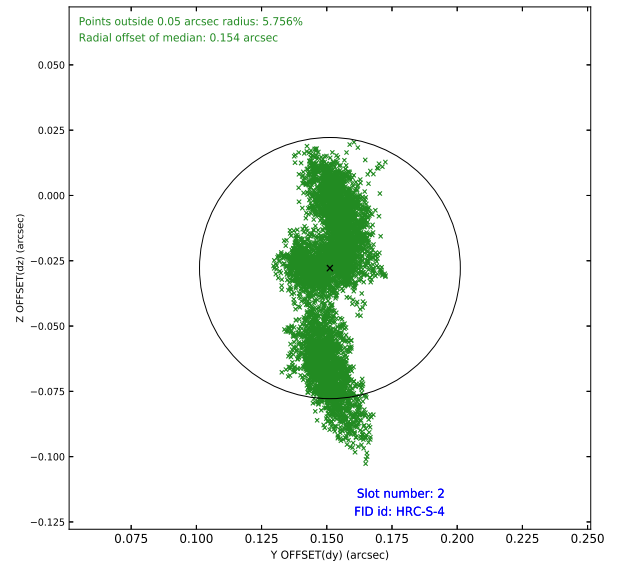
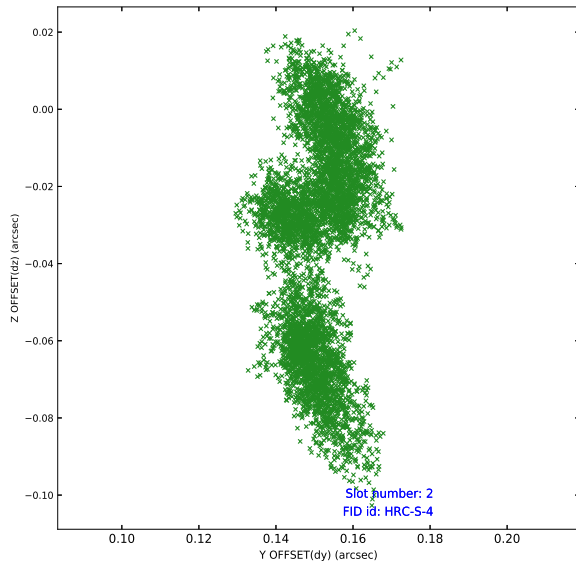
2.5.2 Slot 1



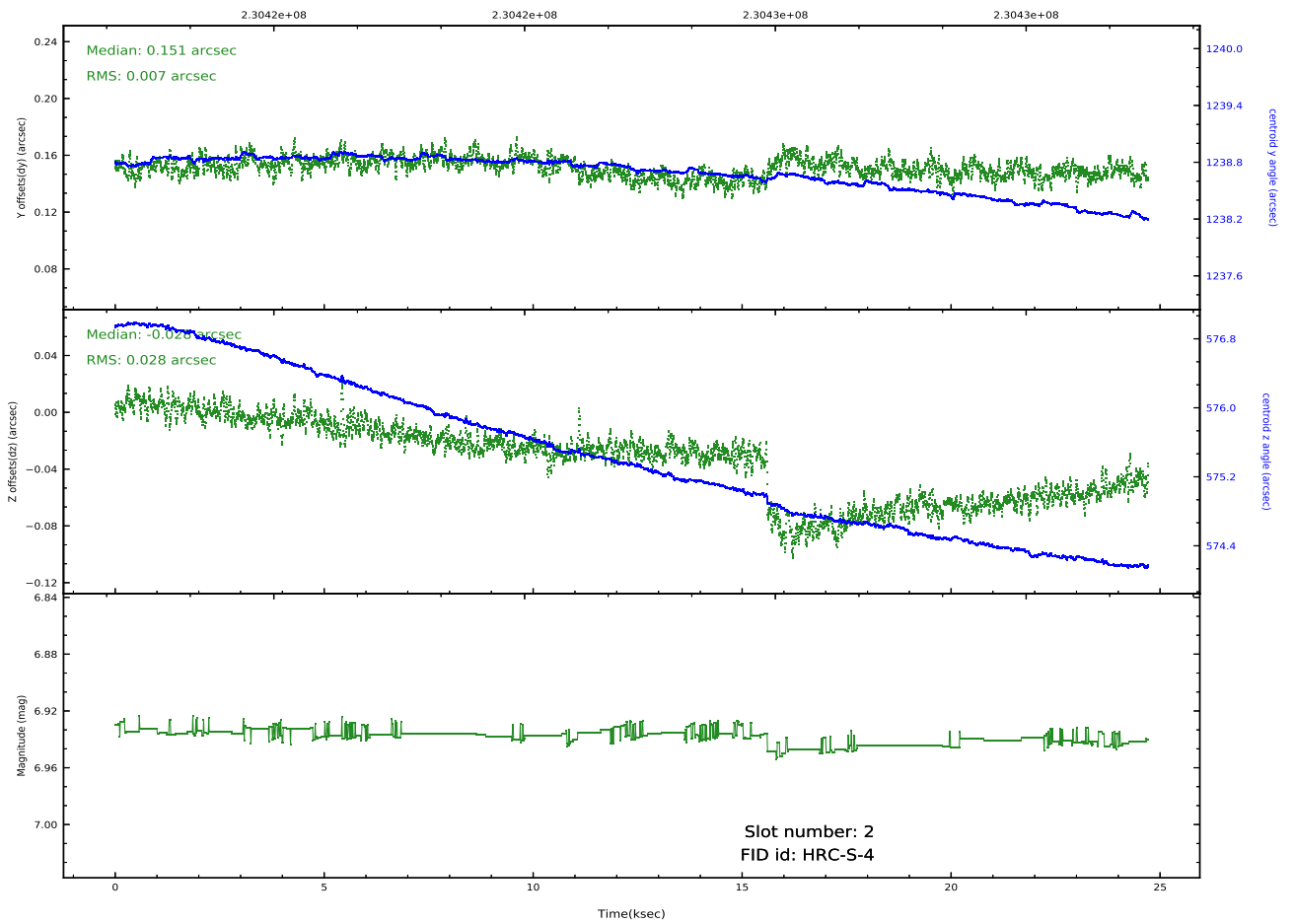
Time (s)



2.5.3 Slot 2

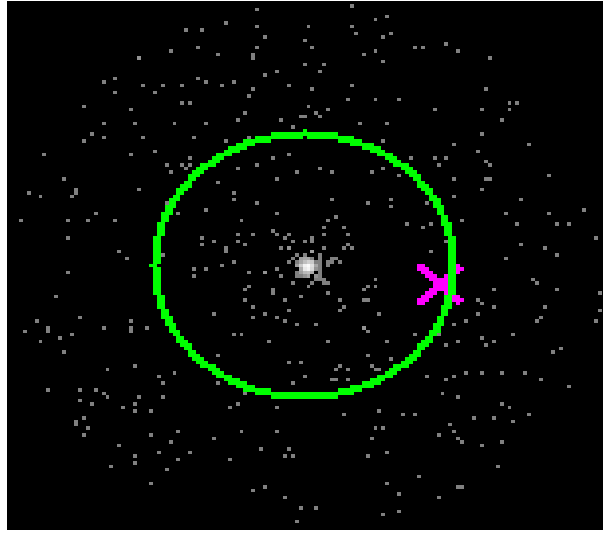


Time (s)

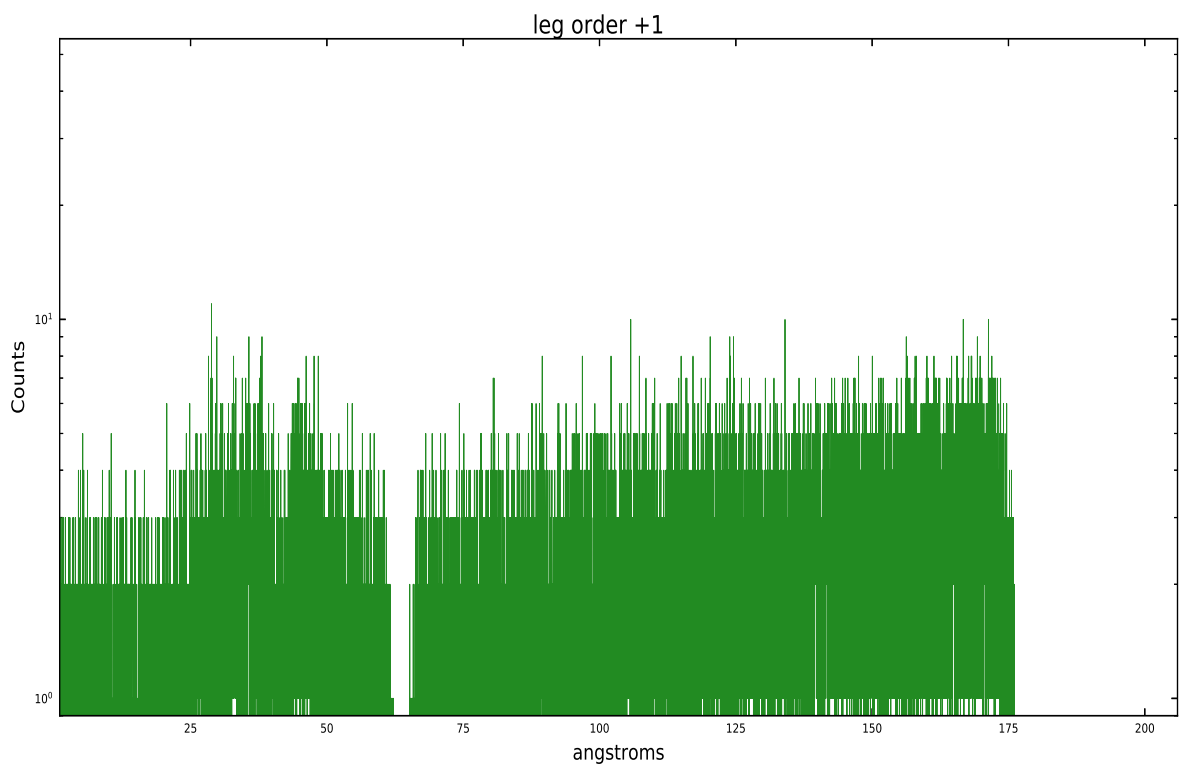
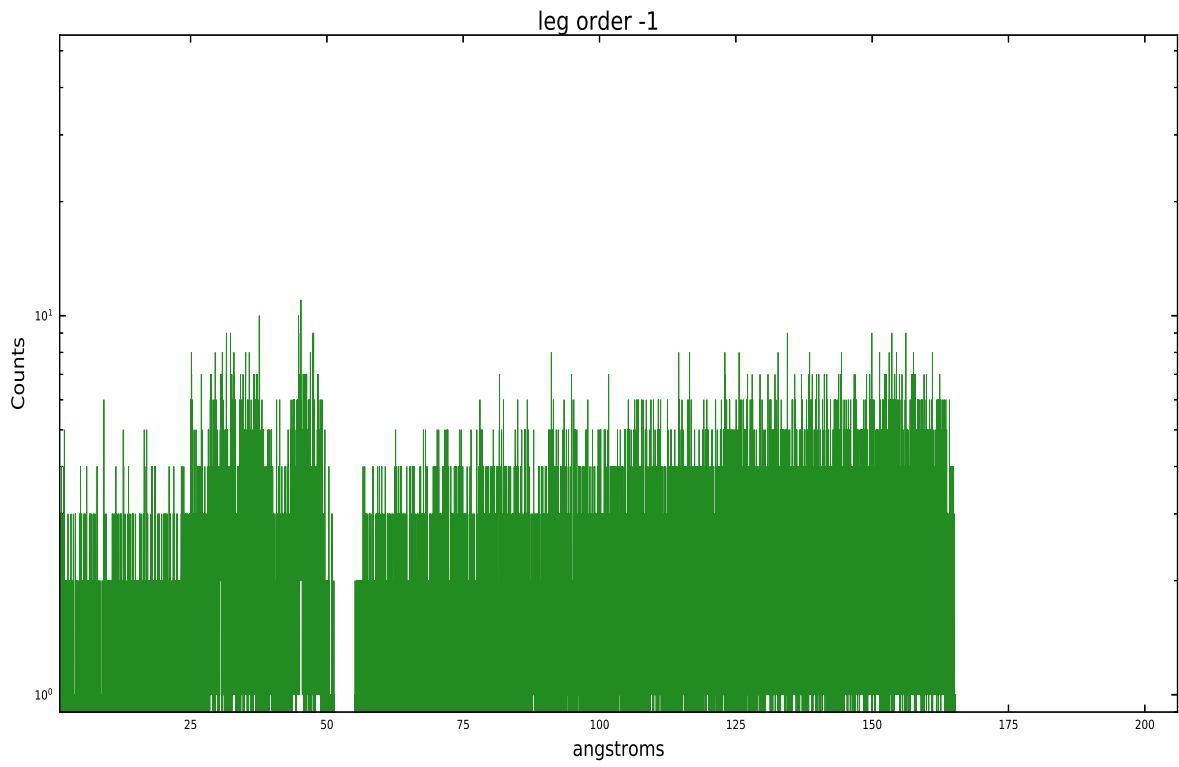


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	David Principe
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.71275

A.2 Comments