

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5349 - L2 Version 5
Chandra X-Ray Center

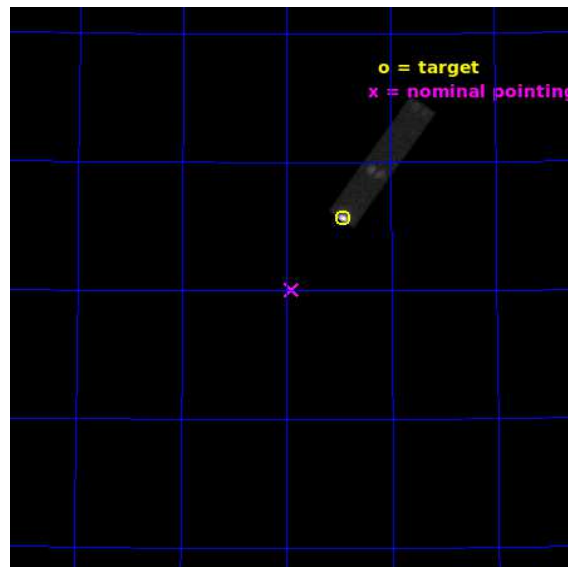
L2 Processing Date : Oct 4 2020

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1 Front

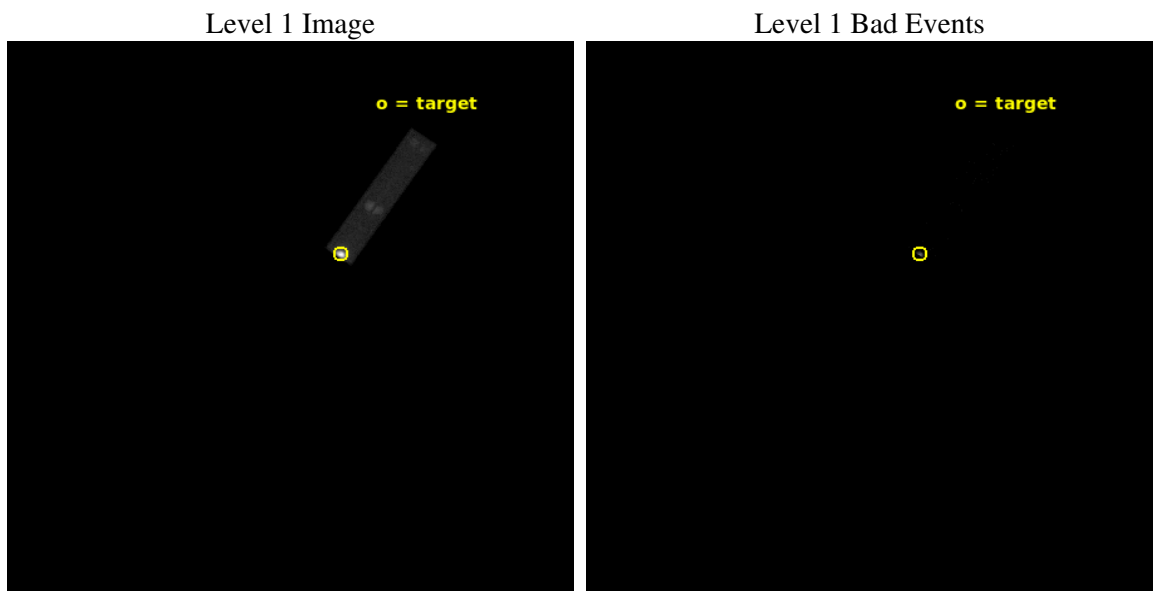
seq_num	290446	Sequence number
obs_id	5349	Observation id
title	Monitoring the health of the HRC UV Ion shield	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.47554329692	Nominal RA [deg]
dec_nom	38.504402877757	Nominal Dec [deg]
roll_nom	304.35997906602	Nominal Roll [deg]
revision	5	Processing version of data
ontime	3186.9813928902	[s]
livetime	1197.6156717556	Ontime multiplied by DTCOR
l2events	497778	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3186.9813928902	[s]
caldbver	4.9.2	 	l1events	615867	Number of level 1 events
date	2020-10-05T00:20:29	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

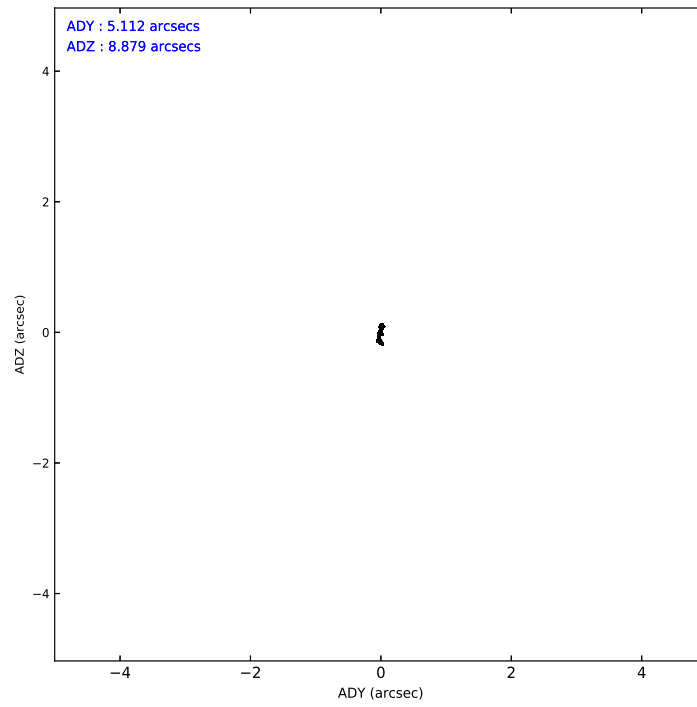
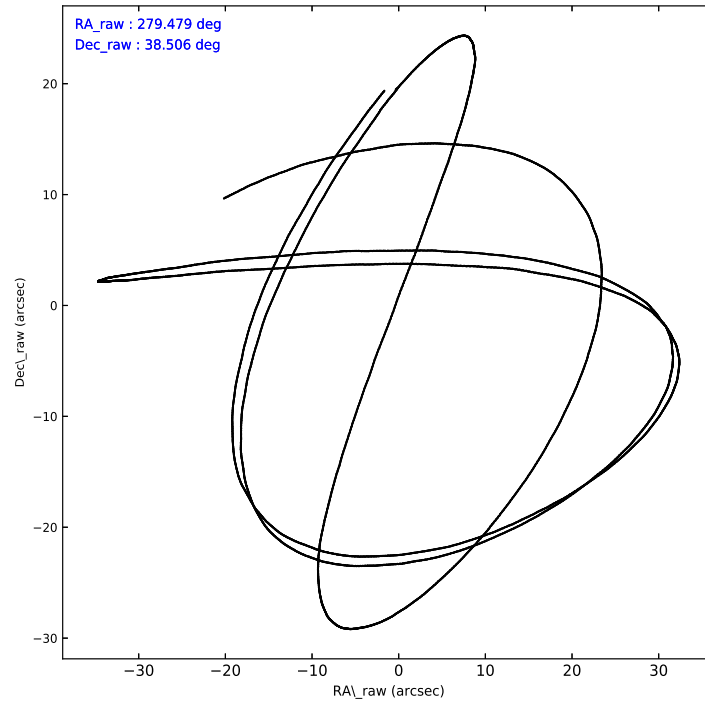
	segment 1	segment 2	segment 3
level 1 events	615847	15	5
rejected events	28201	15	5
rejected %	4%	100%	100%

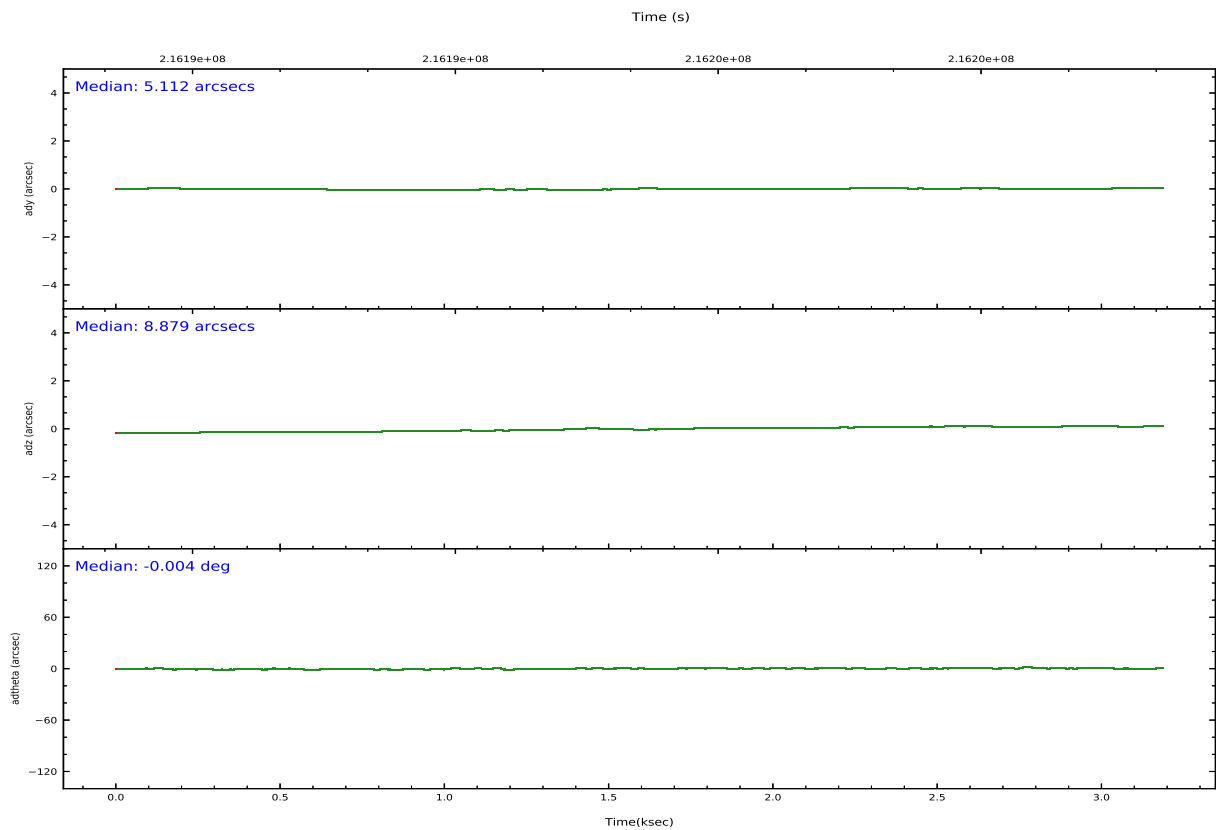
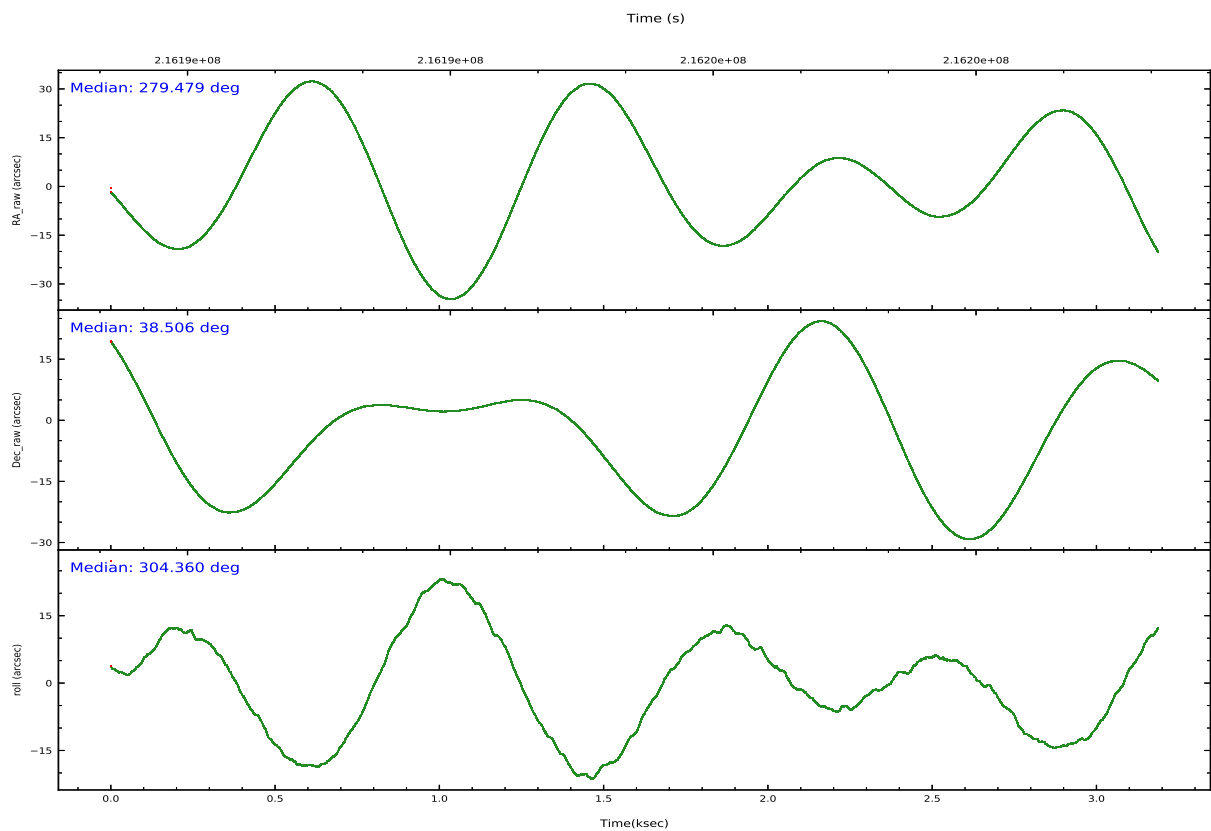
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.445487	279.47554329692
[deg] Pointing Dec	38.515789	38.504402877757
[deg] Pointing Roll	304.315684	304.35997906602
[s] Window start time (MET)	215654464.184000	215654464.184000
[s] Window stop time (MET)	218246404.184000	218246404.184000
[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)	216193554.184000	216193178.48677
Observation start date	2004-11-07T05:44:50	2004-11-07T05:39:38
[s] Observation end time (MET)	216196554.184000	216197225.69945
Observation end date	2004-11-07T06:34:50	2004-11-07T06:47:05

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

2.3 Aspect



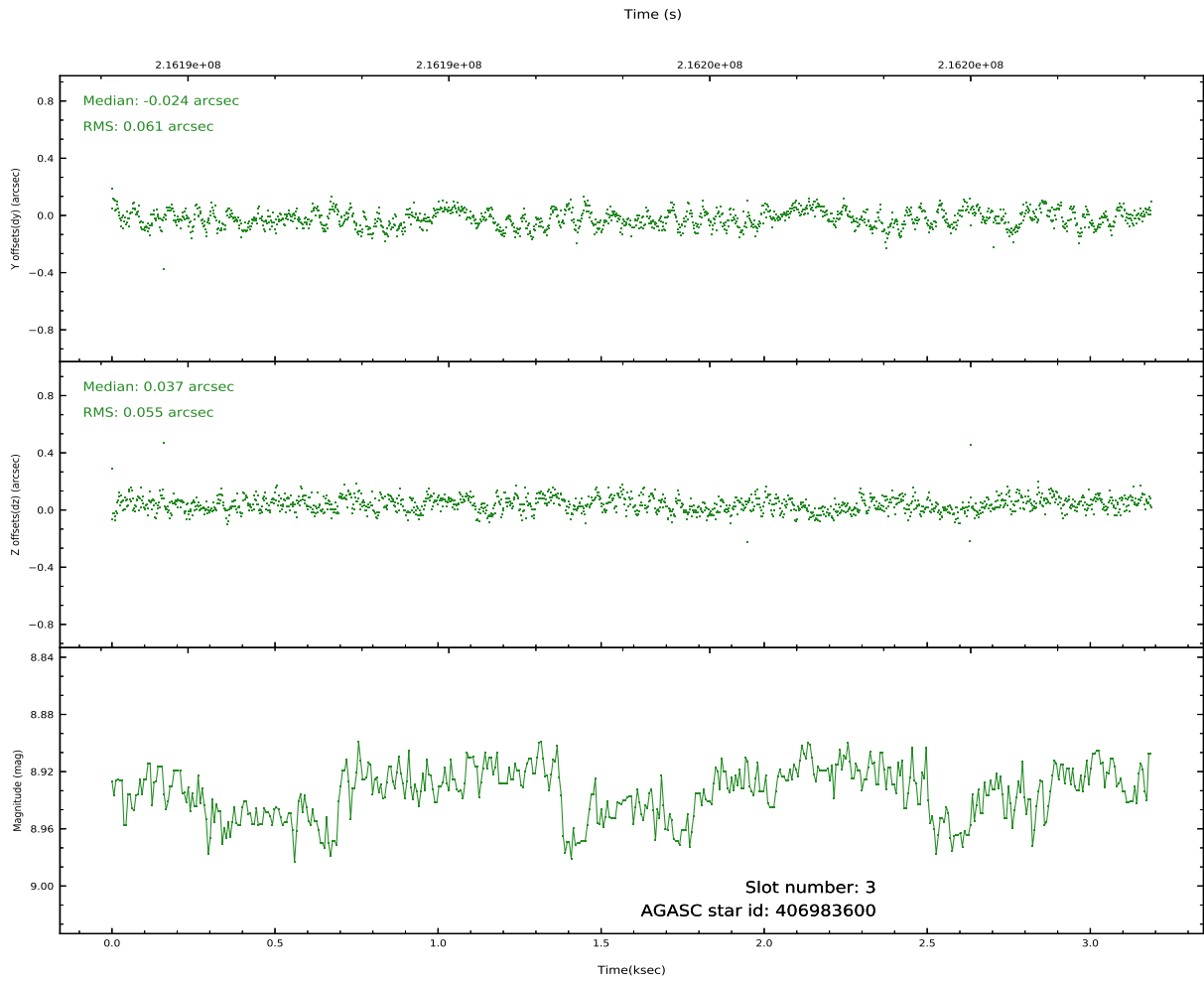
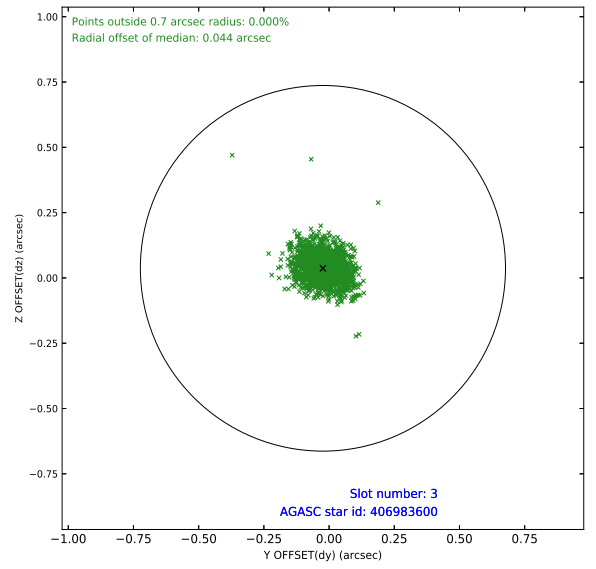
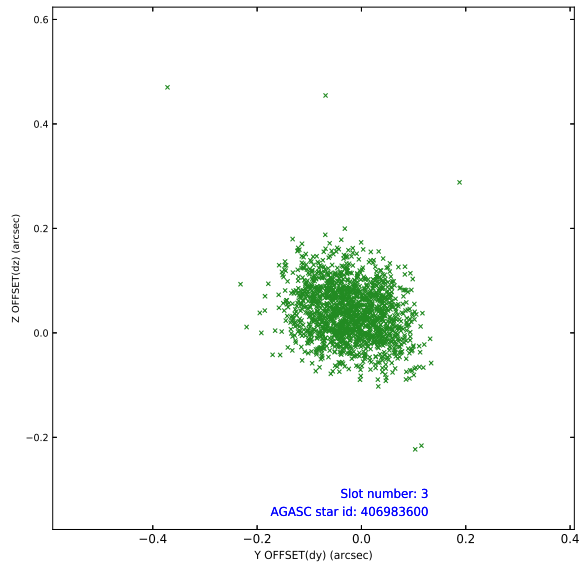


Slot Statistics

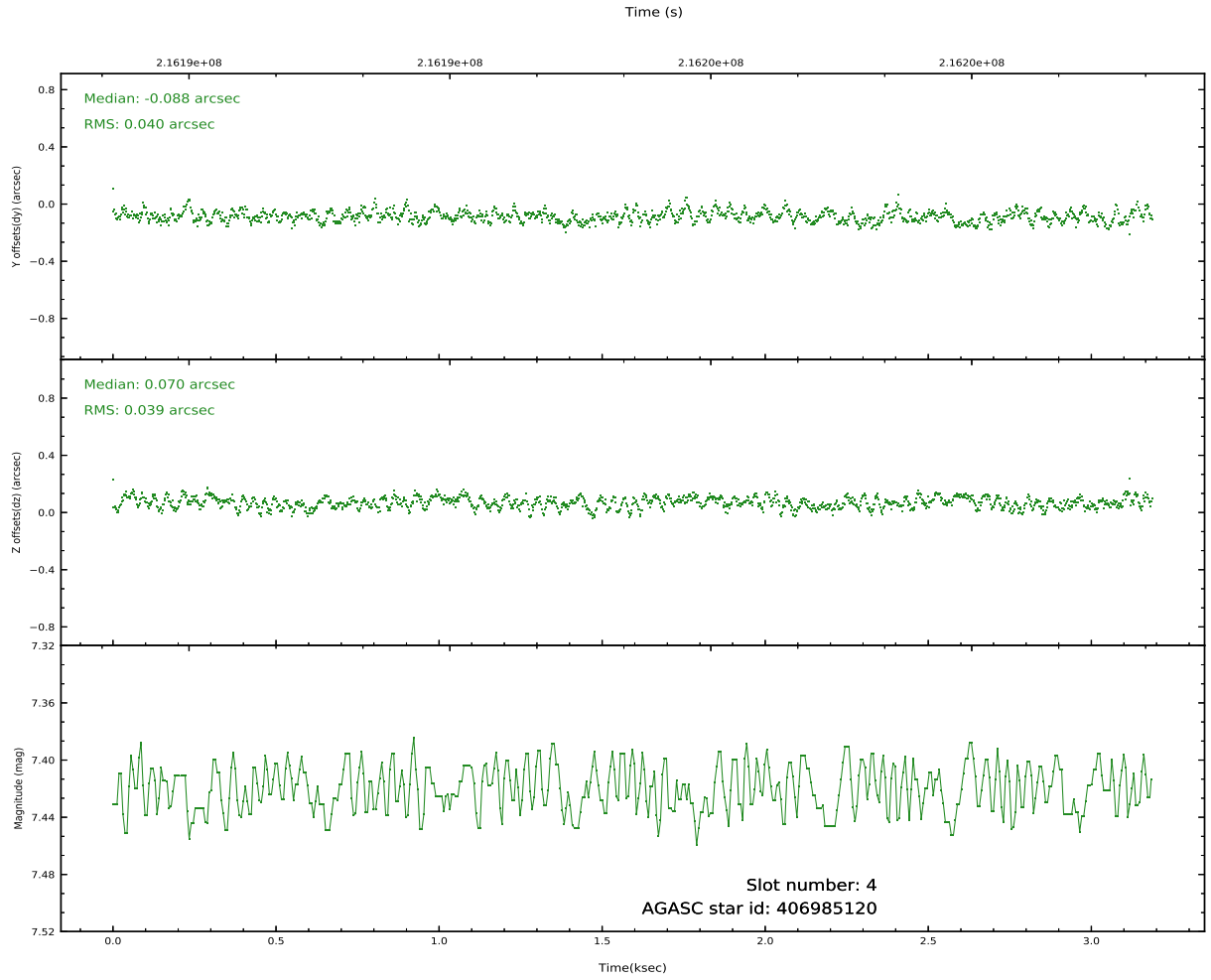
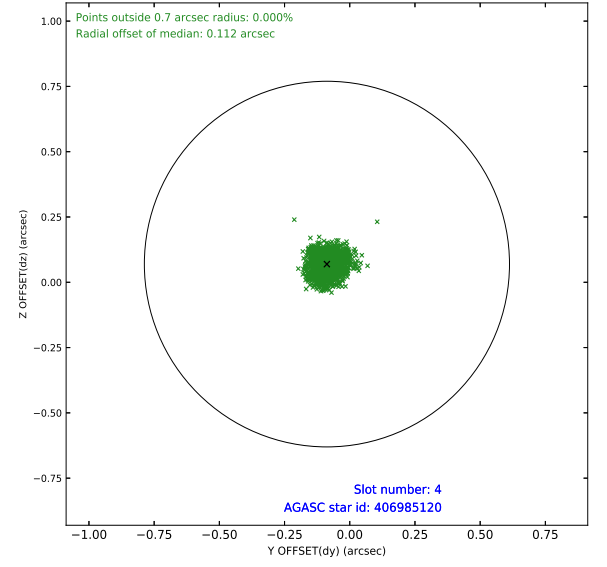
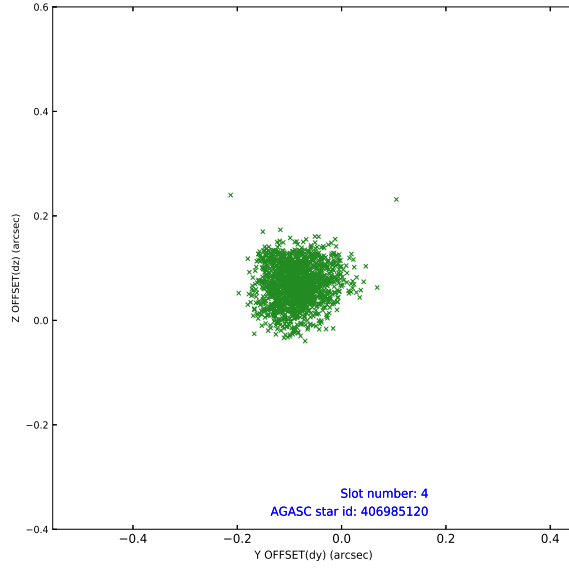
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.01	778	1.000	0.096	-0.184	0.009	0.014	0.000000	0.000000	-1159.23	-457
1	FID		HRC-S-2	6.99	778	1.000	0.157	-0.097	0.004	0.008	0.000000	0.000000	1239.02	-450
2	FID		HRC-S-3	7.01	778	1.000	0.137	-0.021	0.008	0.014	0.000000	0.000000	-1160.33	571
3	GUIDE	used	406983600	8.93	1556	1.000	-0.024	0.037	0.086	0.133	279.940957	39.020708	-722.98	2171
4	GUIDE	used	406985120	7.42	1556	1.000	-0.088	0.070	0.060	0.092	278.839732	38.894839	-2089.14	-628
5	GUIDE	used	406990192	8.99	1554	1.000	0.012	-0.099	0.088	0.144	278.510952	38.533654	-1549.04	-2130
6	GUIDE	used	406992968	7.66	1556	1.000	0.040	-0.064	0.059	0.095	279.925490	37.993090	2317.66	64
7	GUIDE	used	406993992	7.63	1555	1.000	0.055	0.058	0.059	0.099	279.053714	38.034587	804.45	-1892

2.4 Star Slots

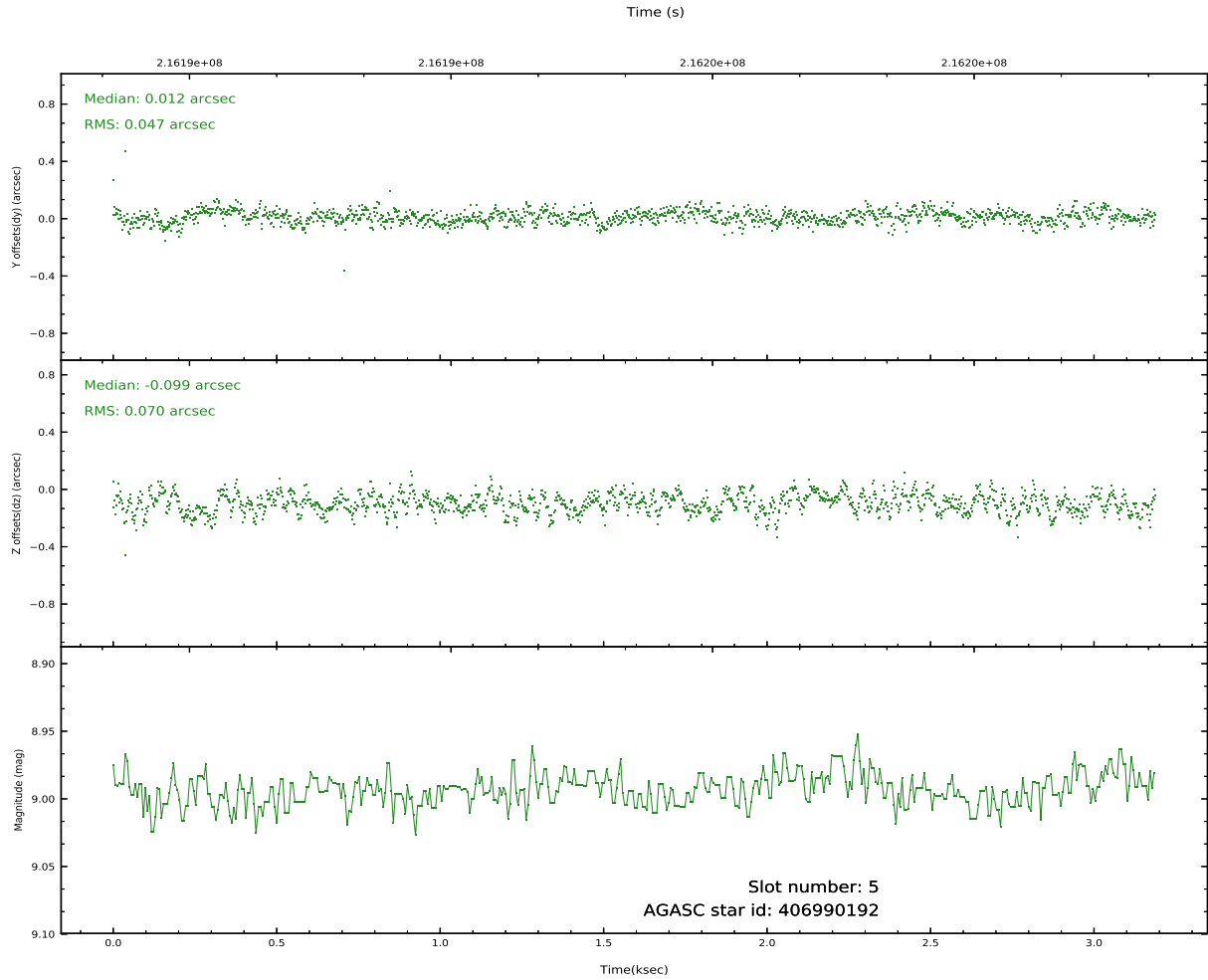
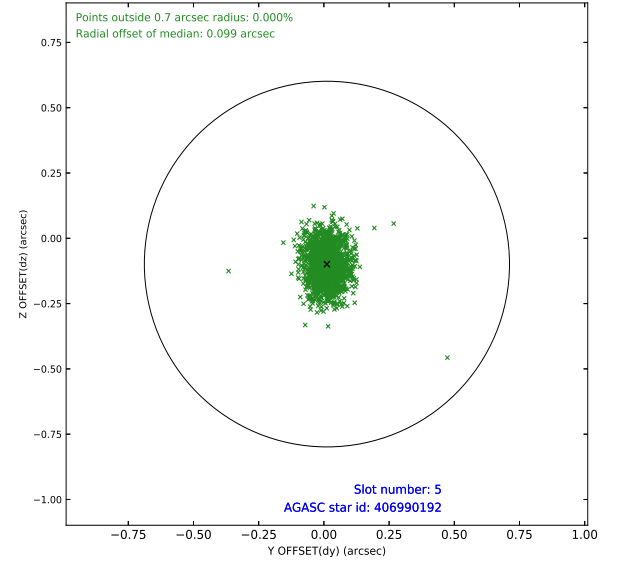
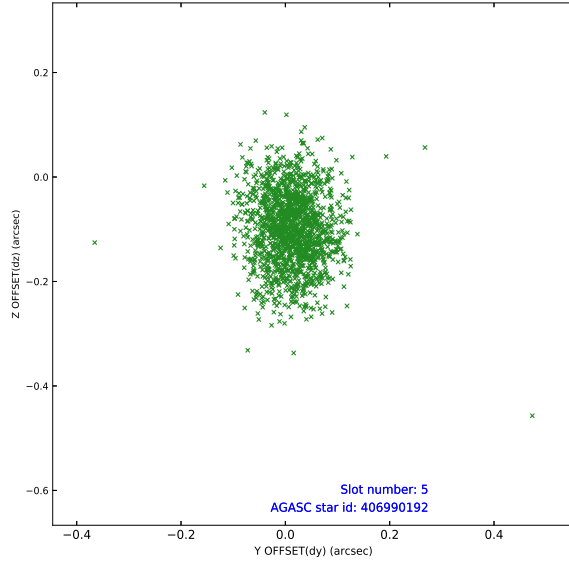
2.4.1 Slot 3



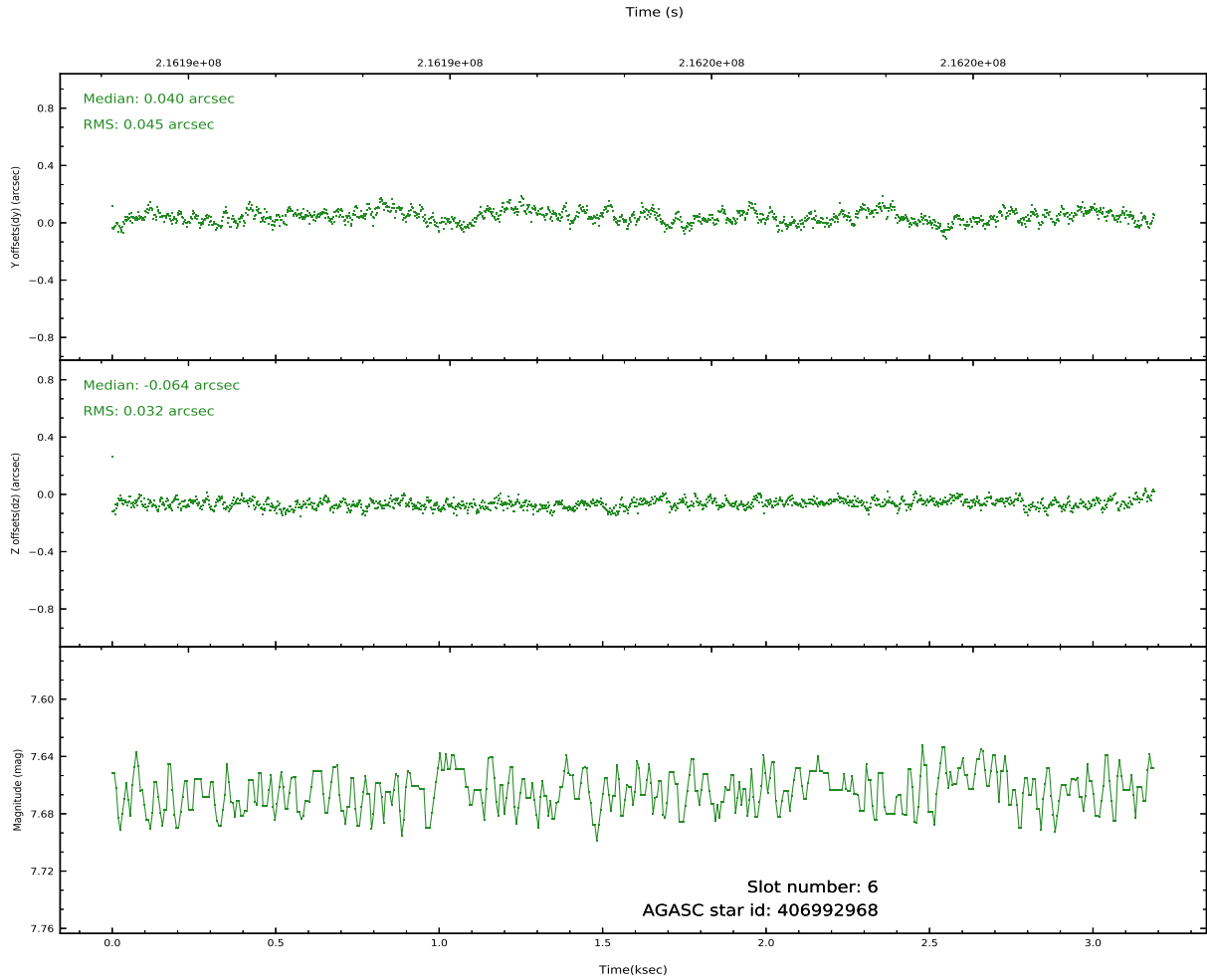
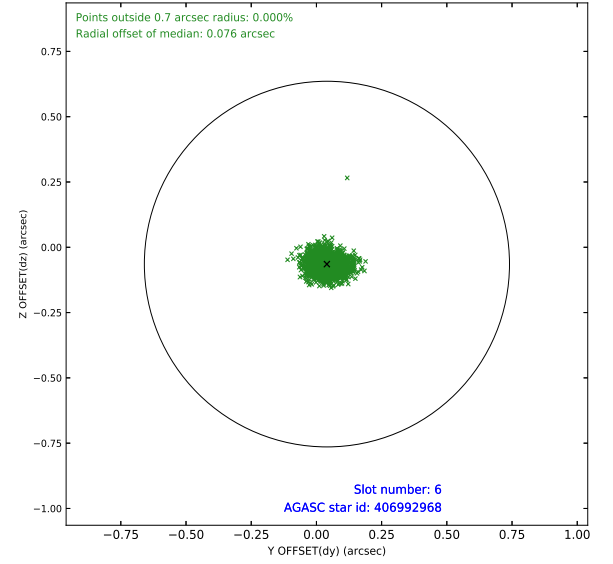
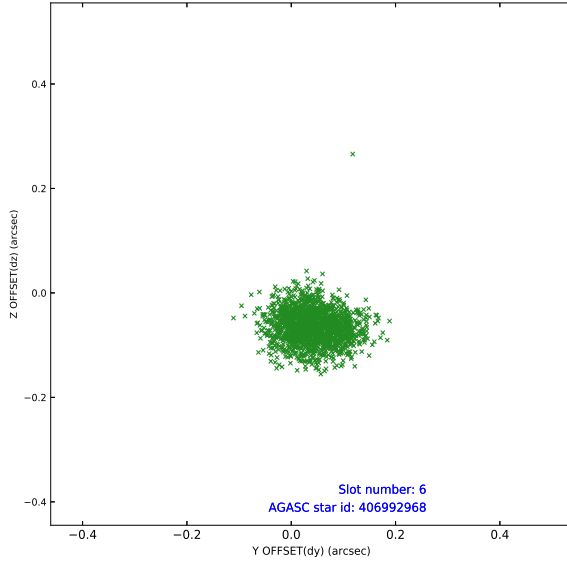
2.4.2 Slot 4



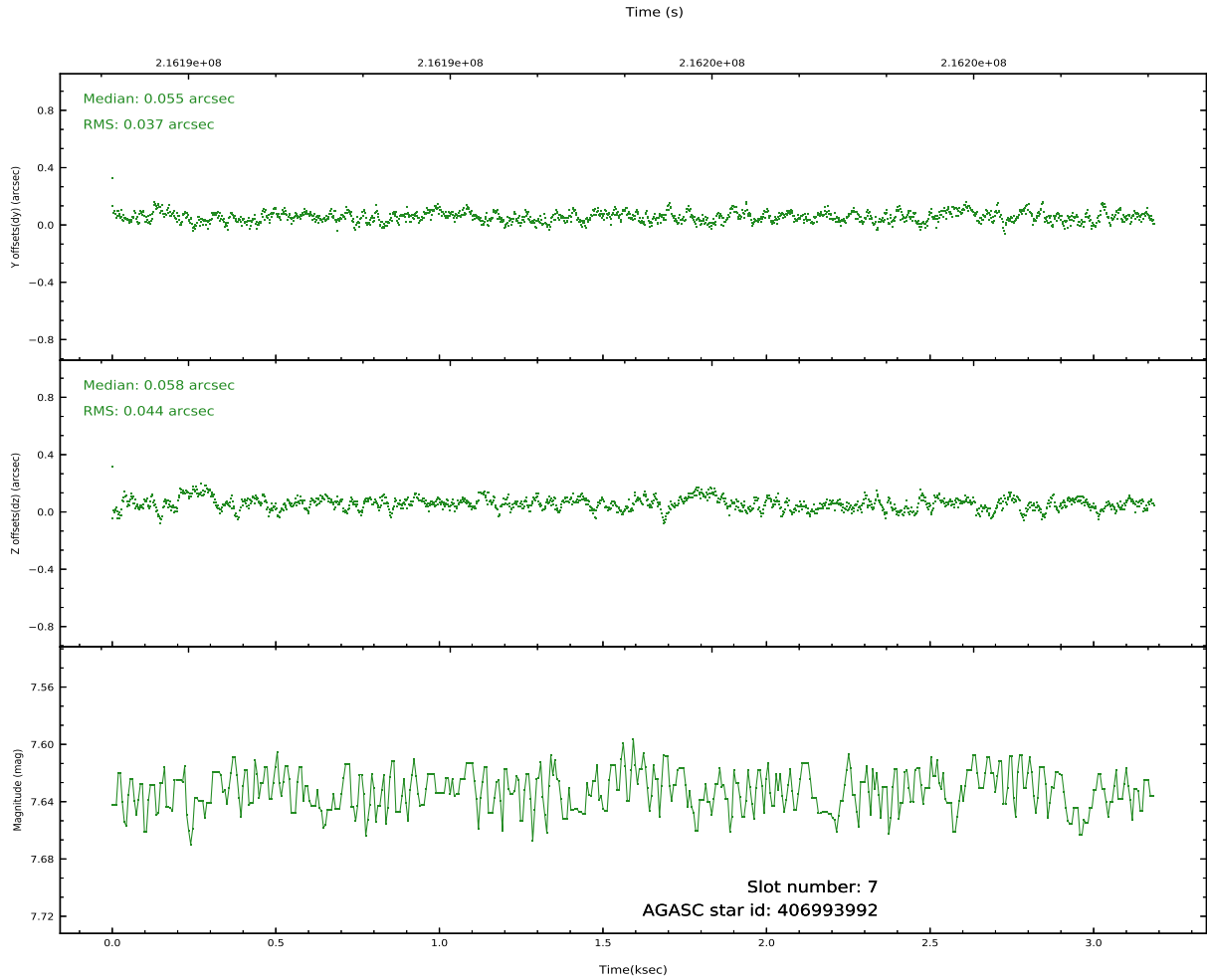
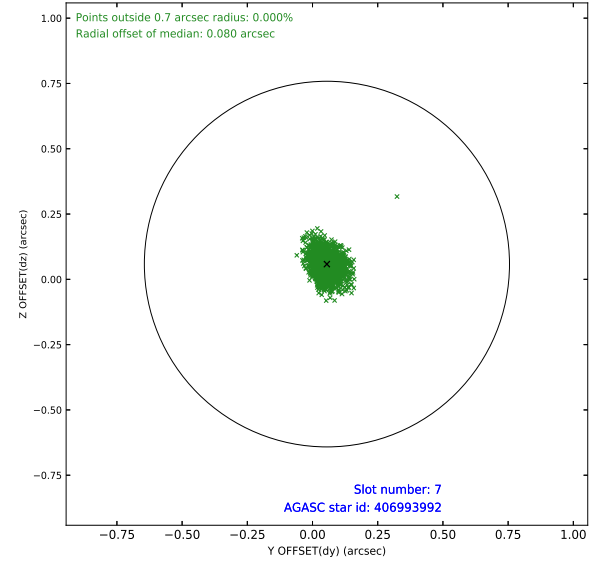
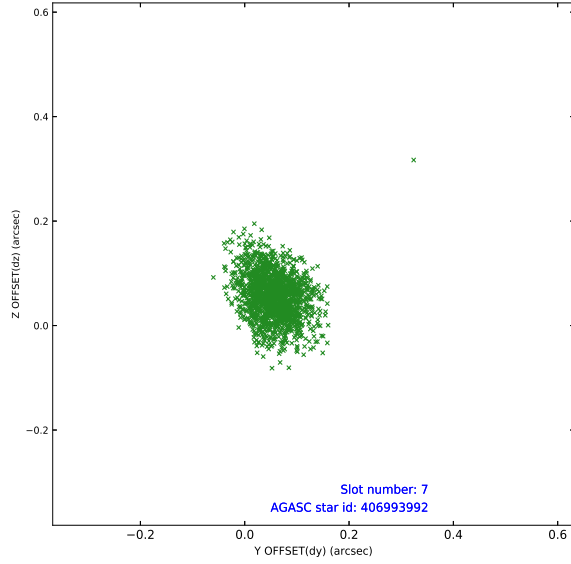
2.4.3 Slot 5



2.4.4 Slot 6

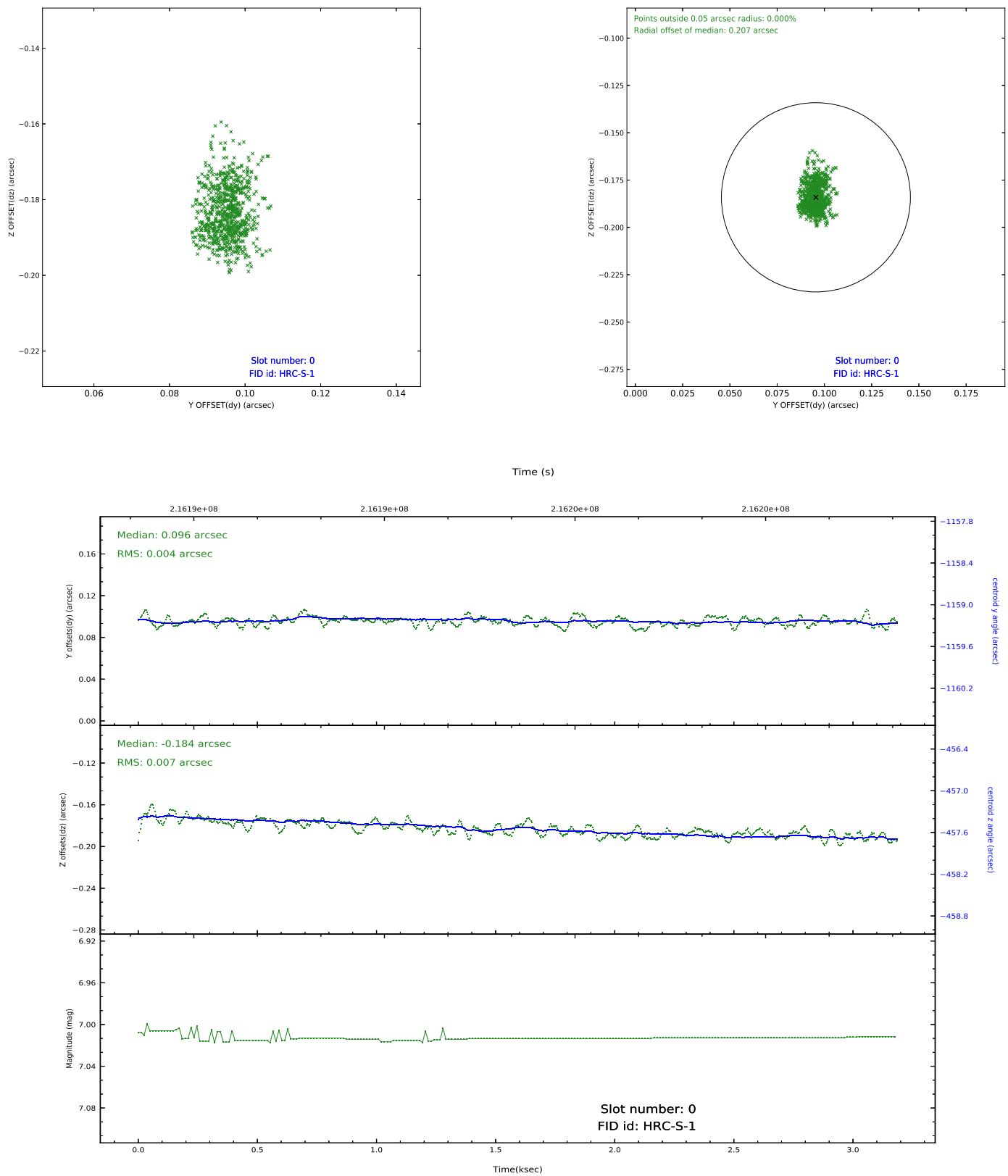


2.4.5 Slot 7

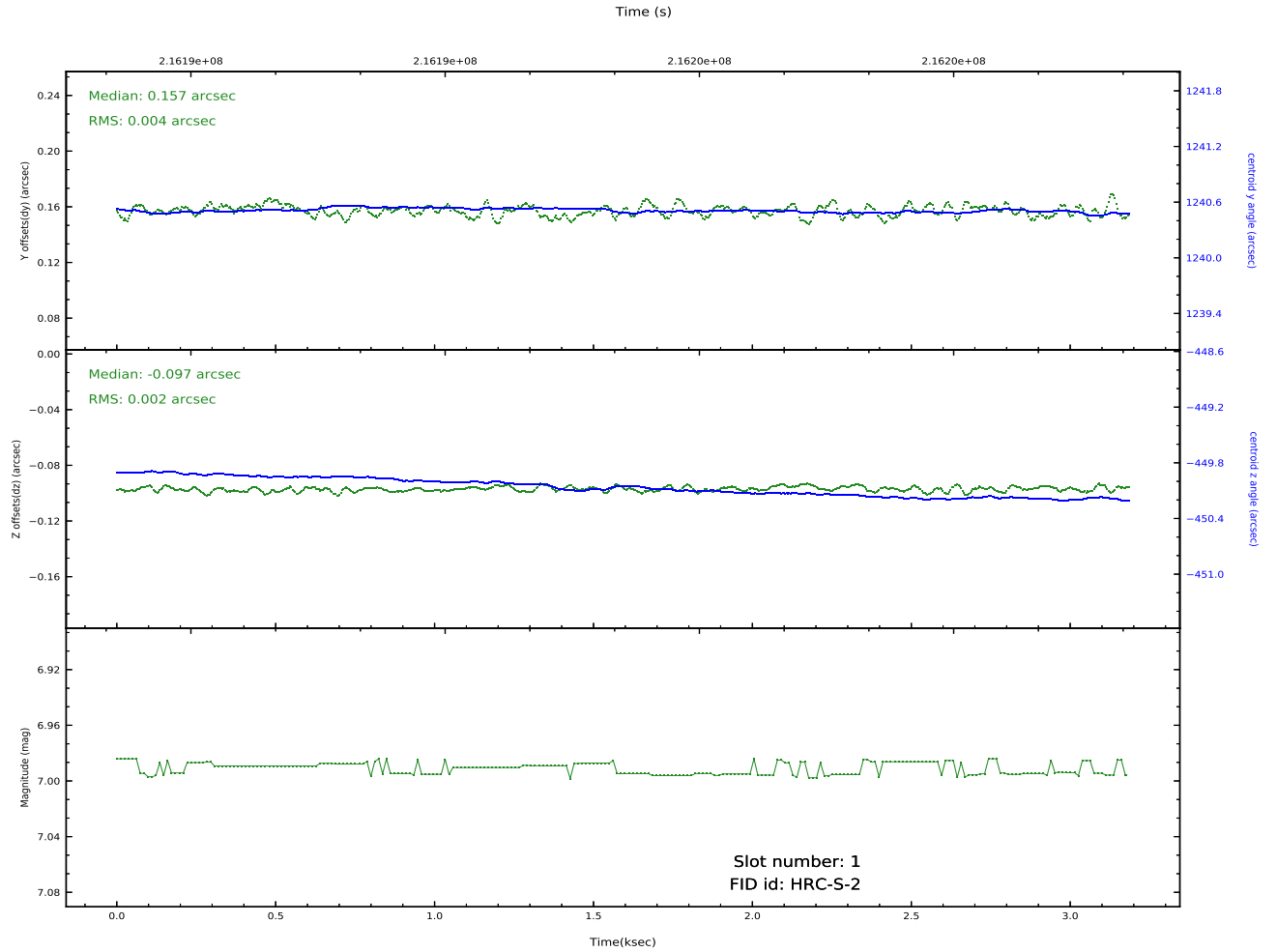
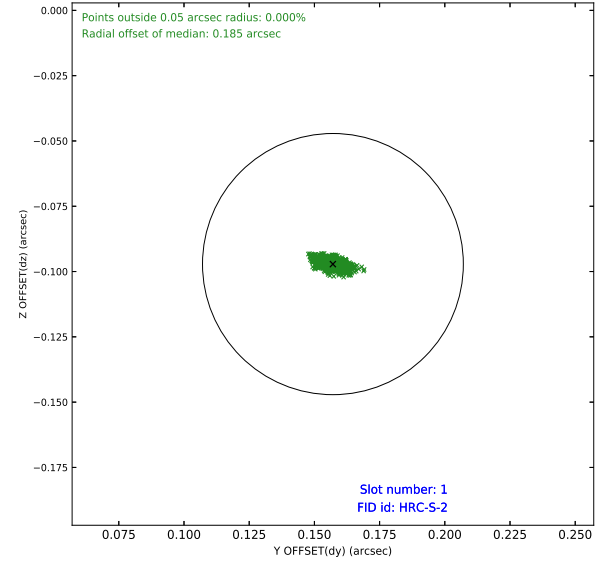
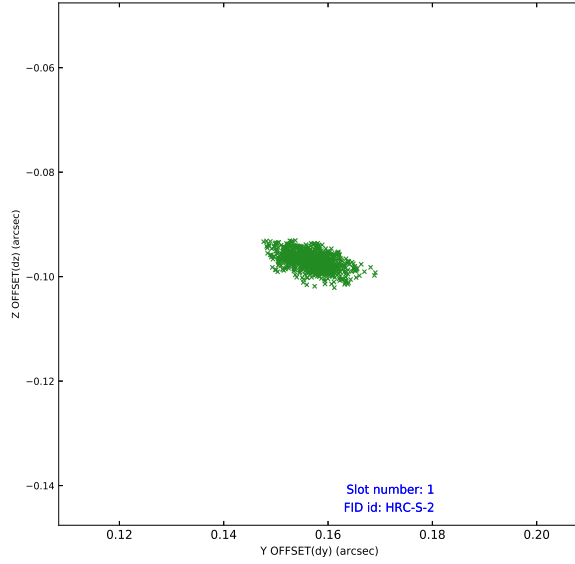


2.5 FID Slots

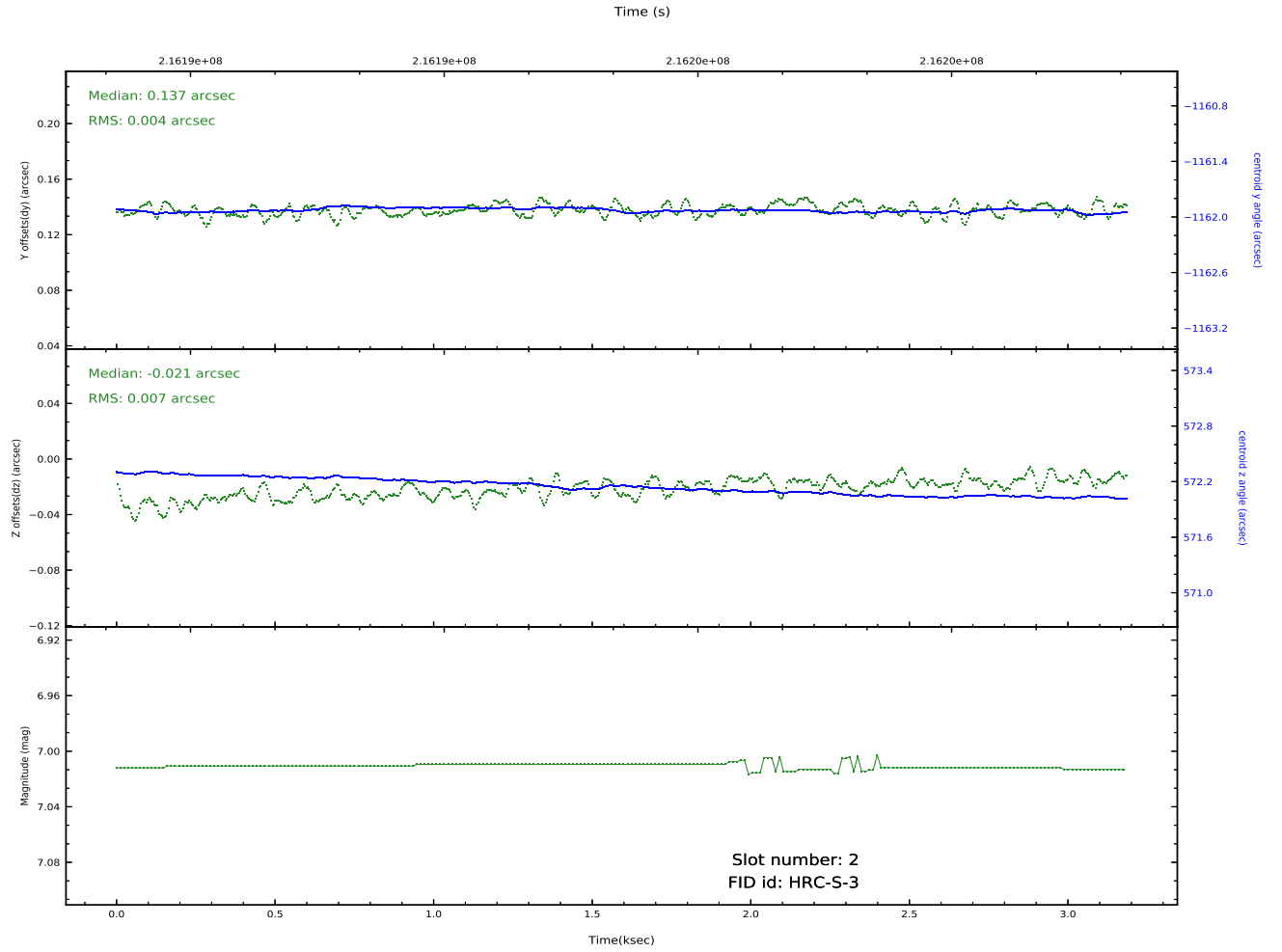
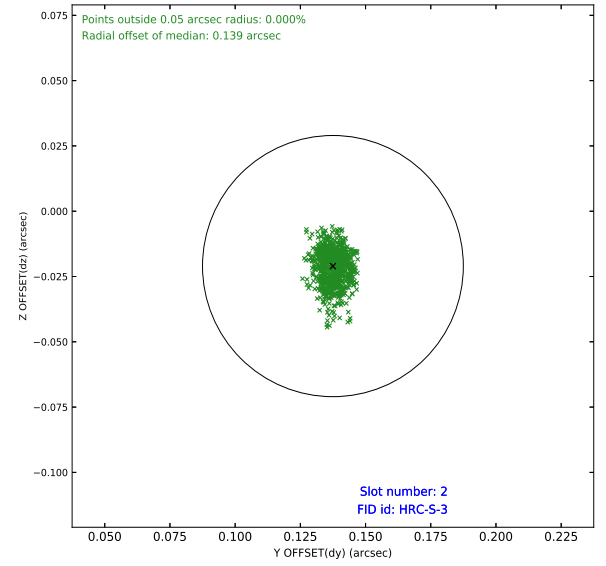
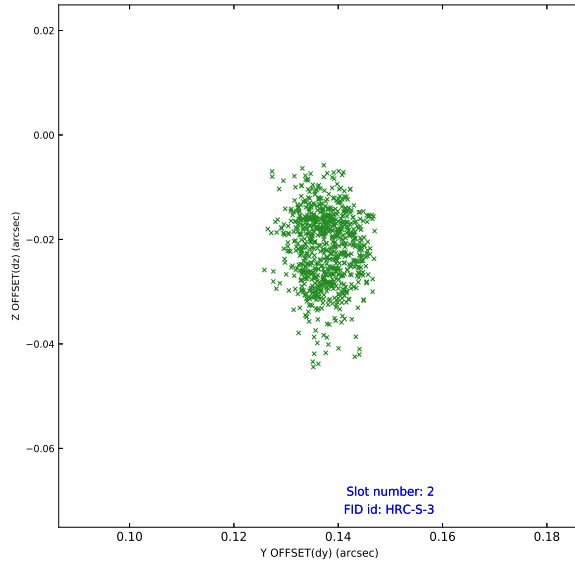
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.186

A.2 Comments

Window constraint was met.