

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5054 - L2 Version 4
Chandra X-Ray Center

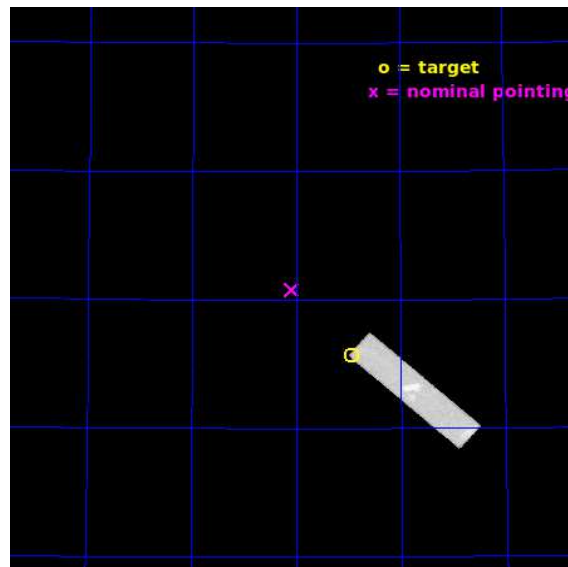
L2 Processing Date : Sep 22 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

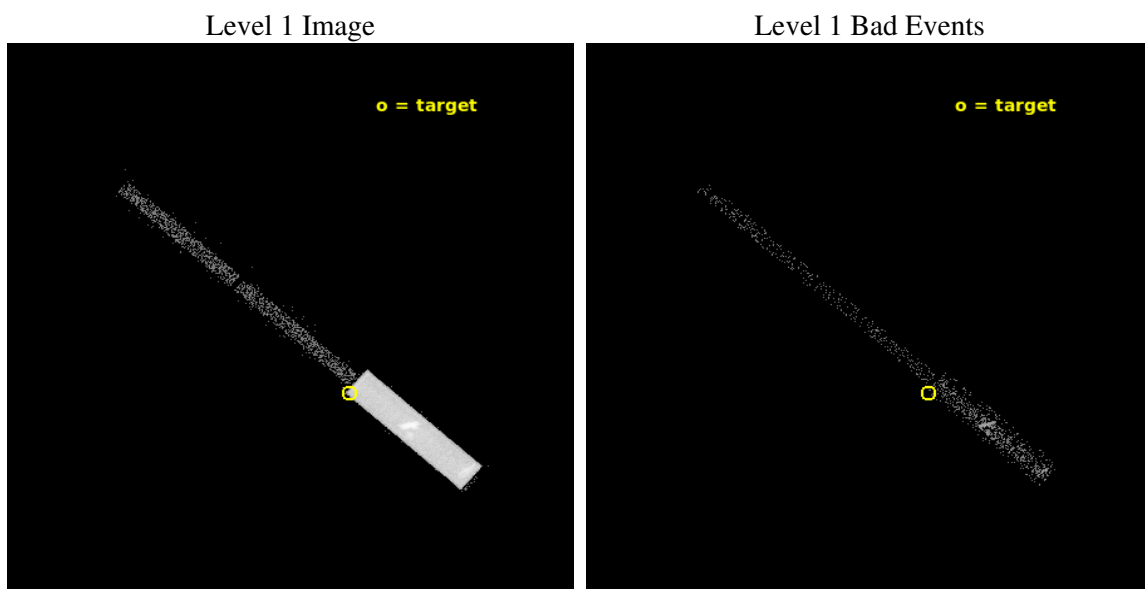
seq_num	290327	Sequence number
obs_id	5054	Observation id
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.52079799062	Nominal RA [deg]
dec_nom	39.039848502691	Nominal Dec [deg]
roll_nom	41.101244397162	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2142.2500936389	[s]
livetime	2132.0225924321	Ontime multiplied by DTCOR
l2events	76350	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2142.2500936389	[s]
caldbver	4.9.2	 	l1events	109405	Number of level 1 events
date	2020-09-23T02:29:47	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

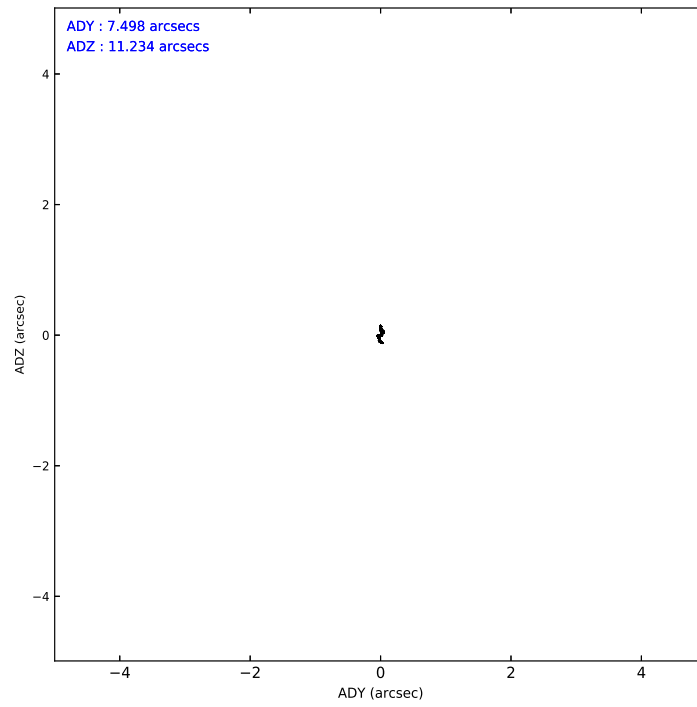
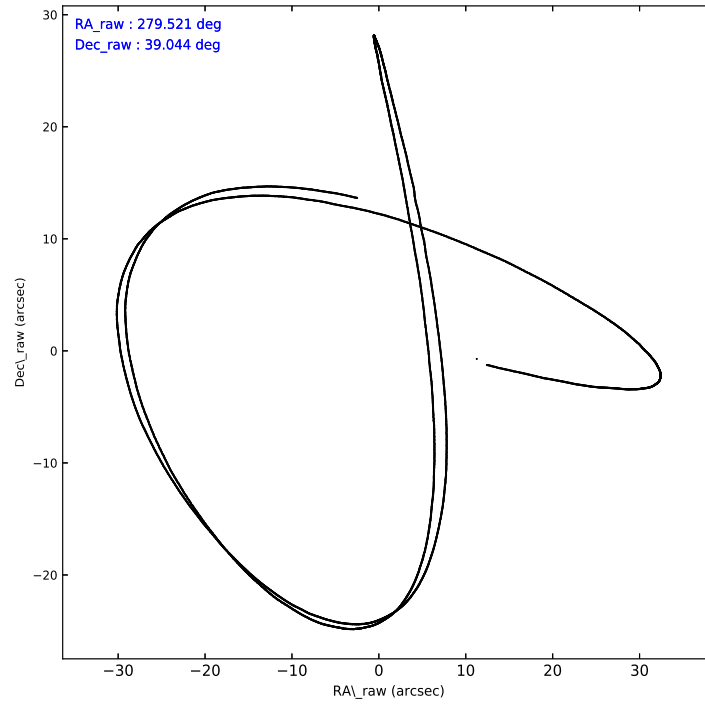
Level 1 Events

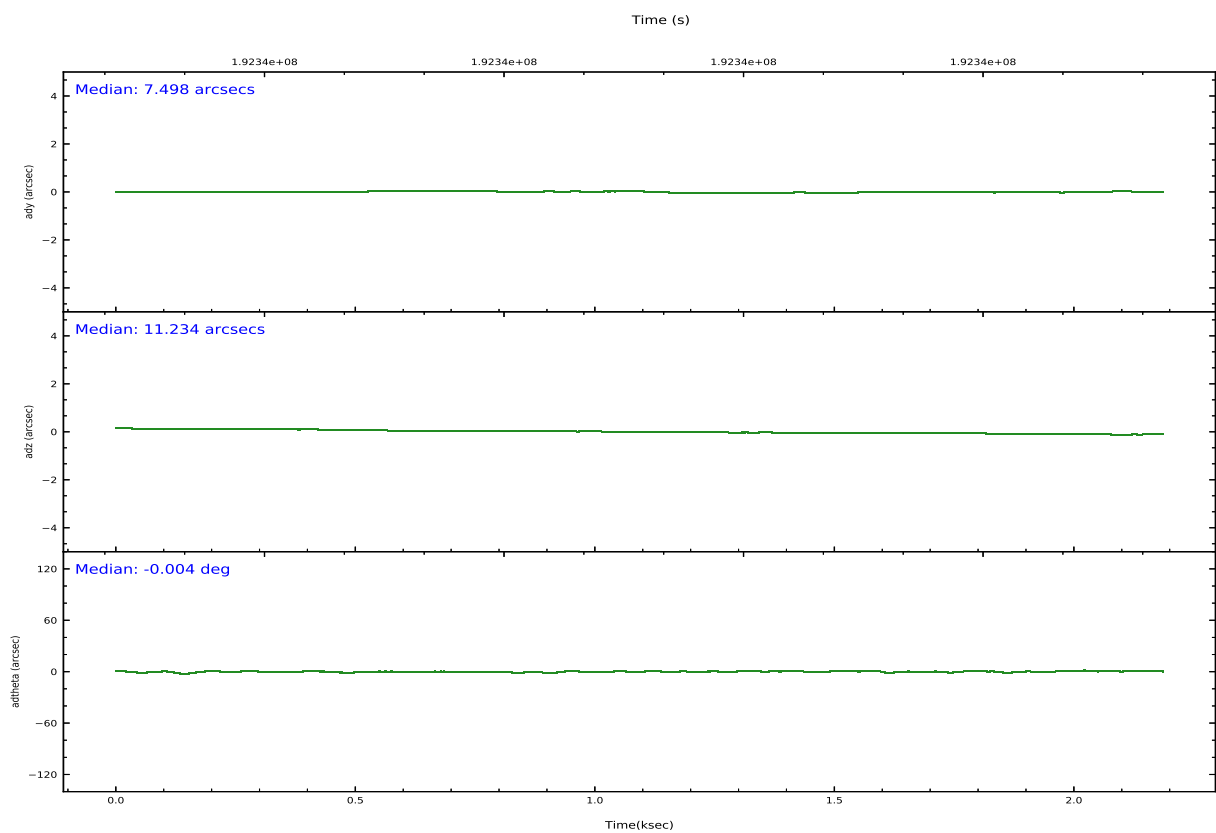
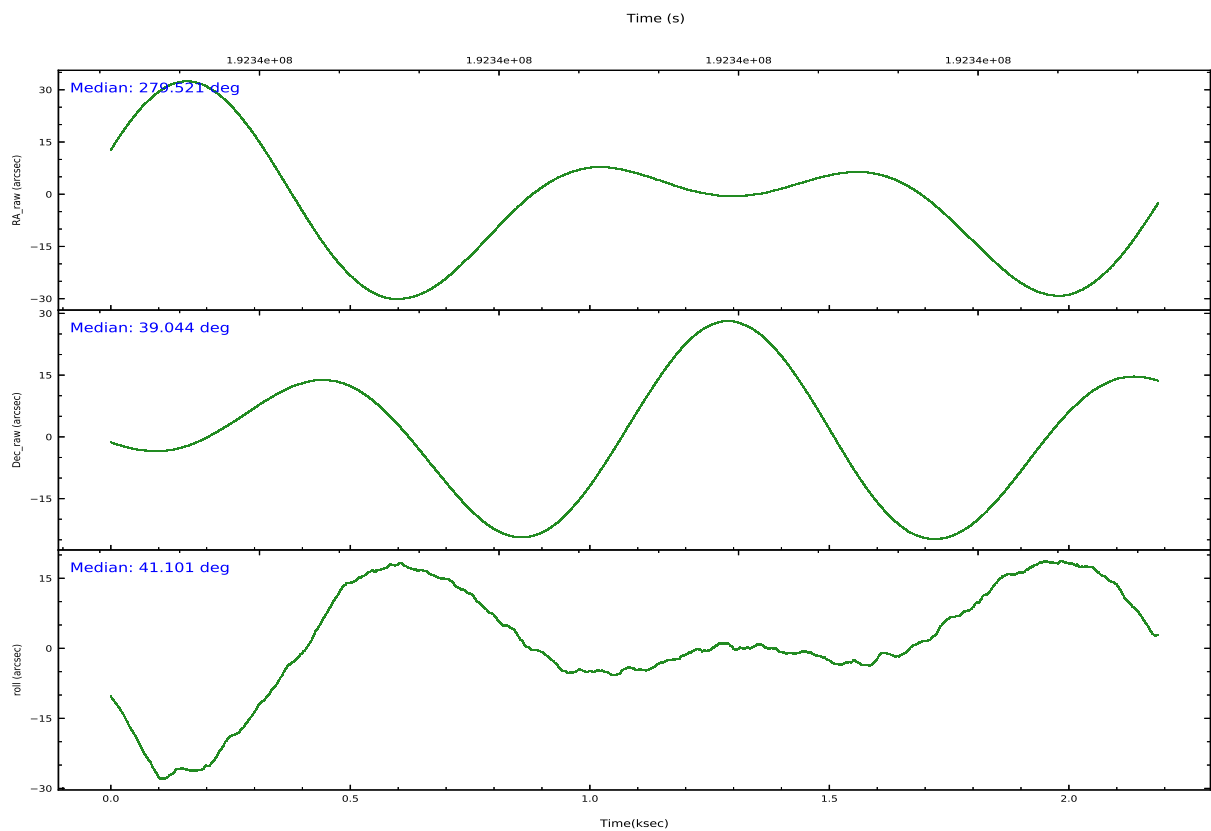
	segment 1	segment 2	segment 3
level 1 events	107117	1112	1176
rejected events	10981	1112	1176
rejected %	10%	100%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar version number	8	8
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.509911	279.52079799062			
[deg] Pointing Dec	39.016159	39.039848502691			
[deg] Pointing Roll	41.039094	41.101244397162			
[s] Window start time (MET)	191980864.184000	191980864.184000			
[s] Window stop time (MET)	197078464.184000	197078464.184000			
[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)	192342876.184000	192342500.60552			
Observation start date	2004-02-05T04:33:32	2004-02-05T04:28:20			
[s] Observation end time (MET)	192344876.184000	192345121.01813			
Observation end date	2004-02-05T05:06:52	2004-02-05T05:12:01			

2.3 Aspect



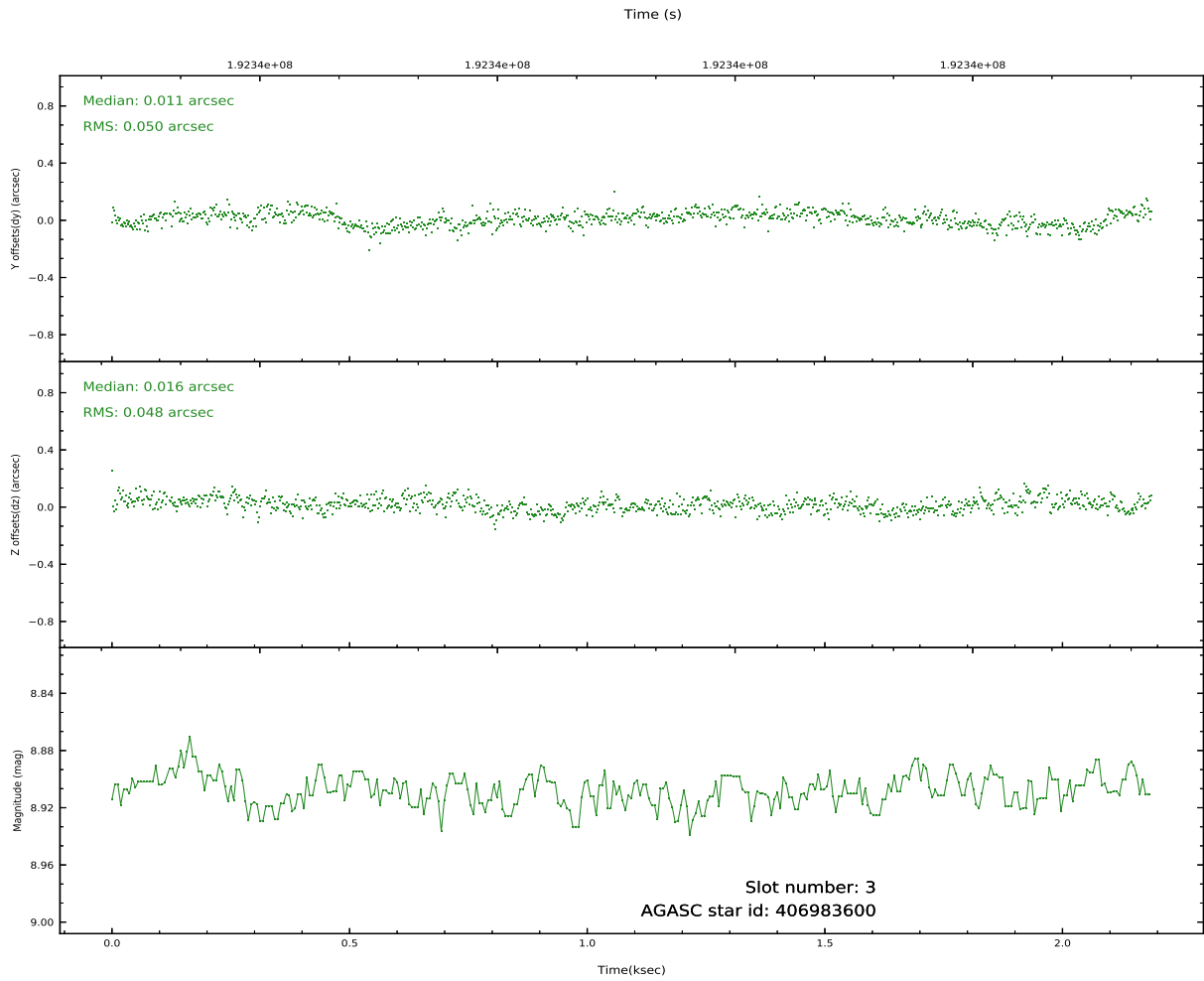
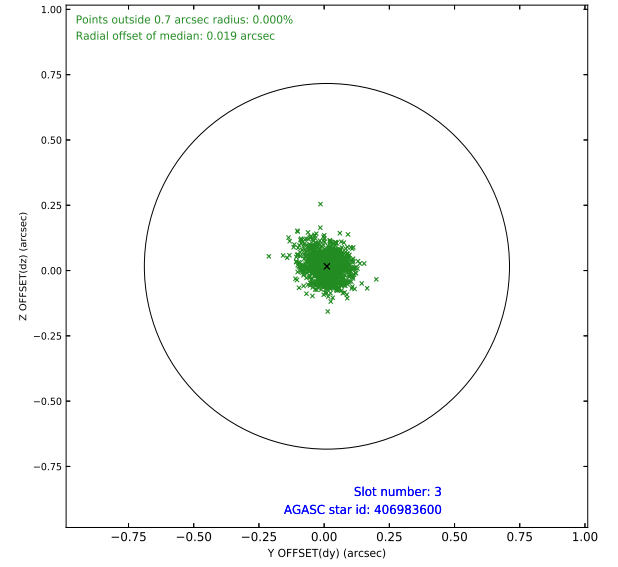
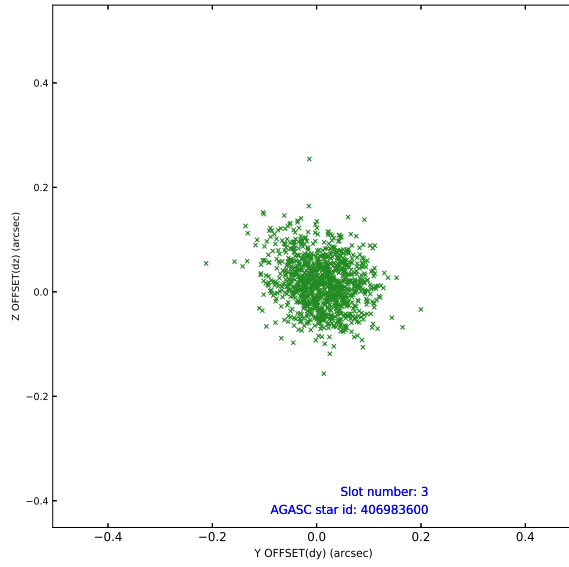


Slot Statistics

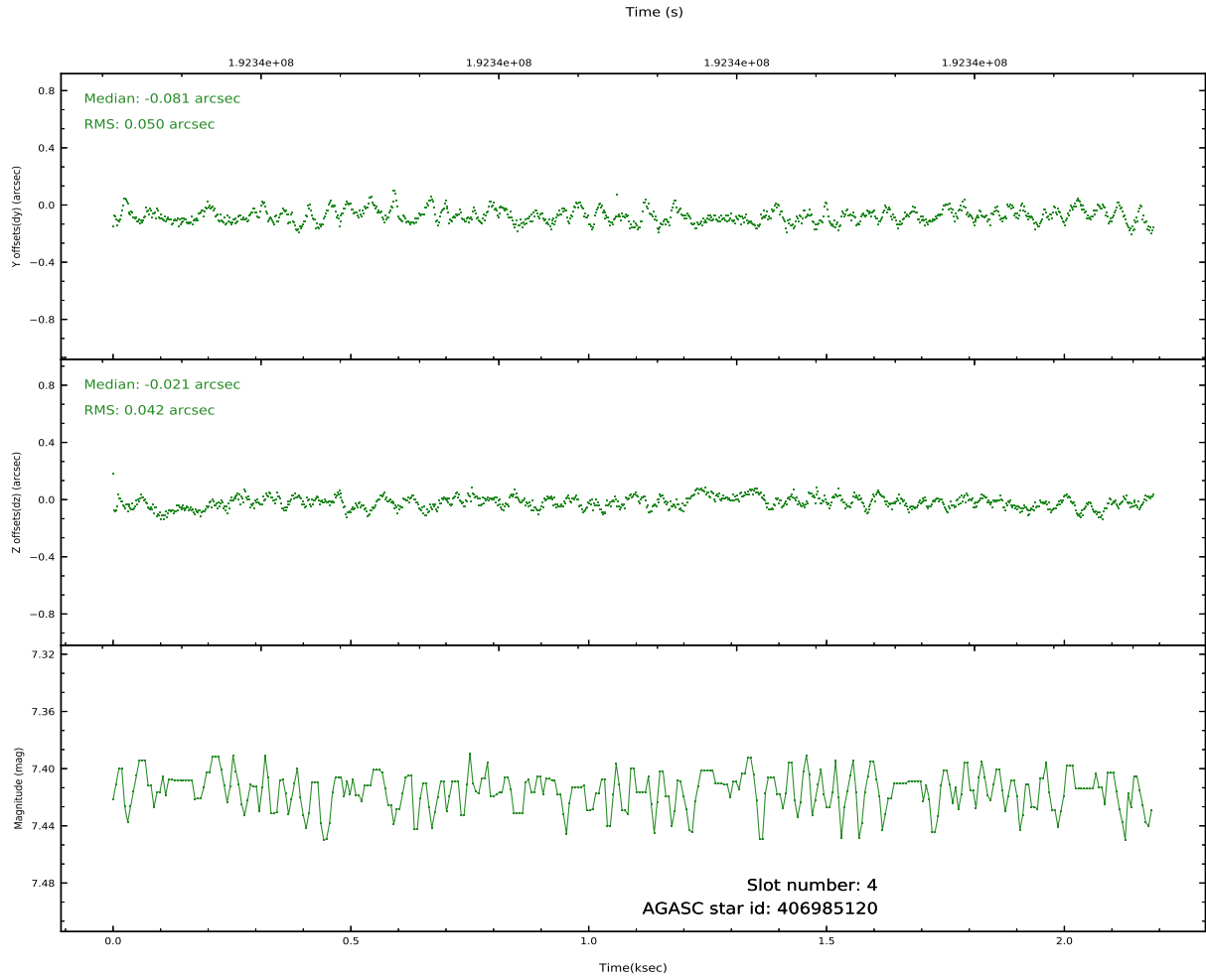
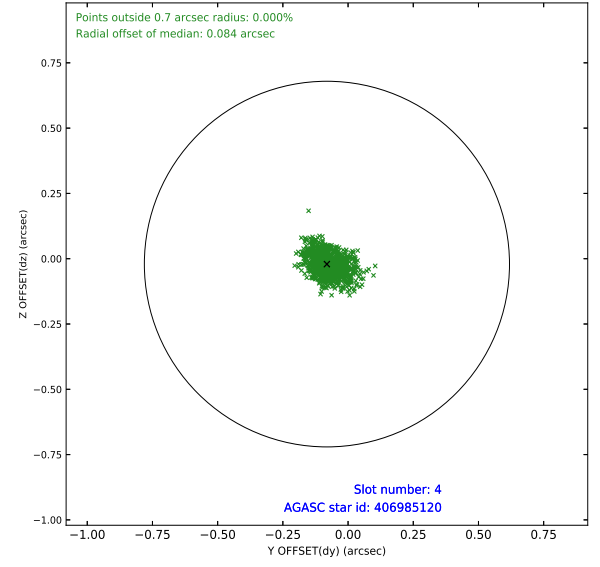
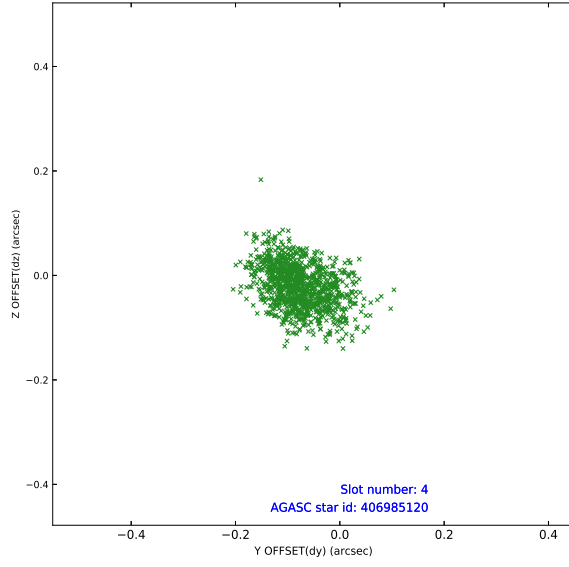
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.02	534	1.000	0.101	-0.160	0.008	0.012	0.000000	0.000000	-1161.68	-459
1	FID		HRC-S-2	7.02	534	1.000	0.185	-0.112	0.005	0.010	0.000000	0.000000	1235.91	-453
2	FID		HRC-S-3	7.04	534	1.000	0.103	-0.030	0.007	0.013	0.000000	0.000000	-1162.09	568
3	GUIDE	used	406983600	8.91	1066	1.000	0.011	0.016	0.074	0.121	279.940957	39.020708	922.15	-777
4	GUIDE	used	406985120	7.41	1068	1.000	-0.081	-0.021	0.068	0.111	278.839732	38.894839	-1697.76	907
5	GUIDE	used	406989616	8.23	1068	1.000	0.009	0.041	0.063	0.096	279.202881	38.520843	-1823.60	-775
6	GUIDE	used	407521232	8.64	1068	1.000	0.093	-0.023	0.065	0.106	279.628883	39.431715	1230.28	910
7	GUIDE	used	407521584	8.94	1066	1.000	-0.037	-0.009	0.073	0.125	279.676096	39.795417	2190.00	1815

2.4 Star Slots

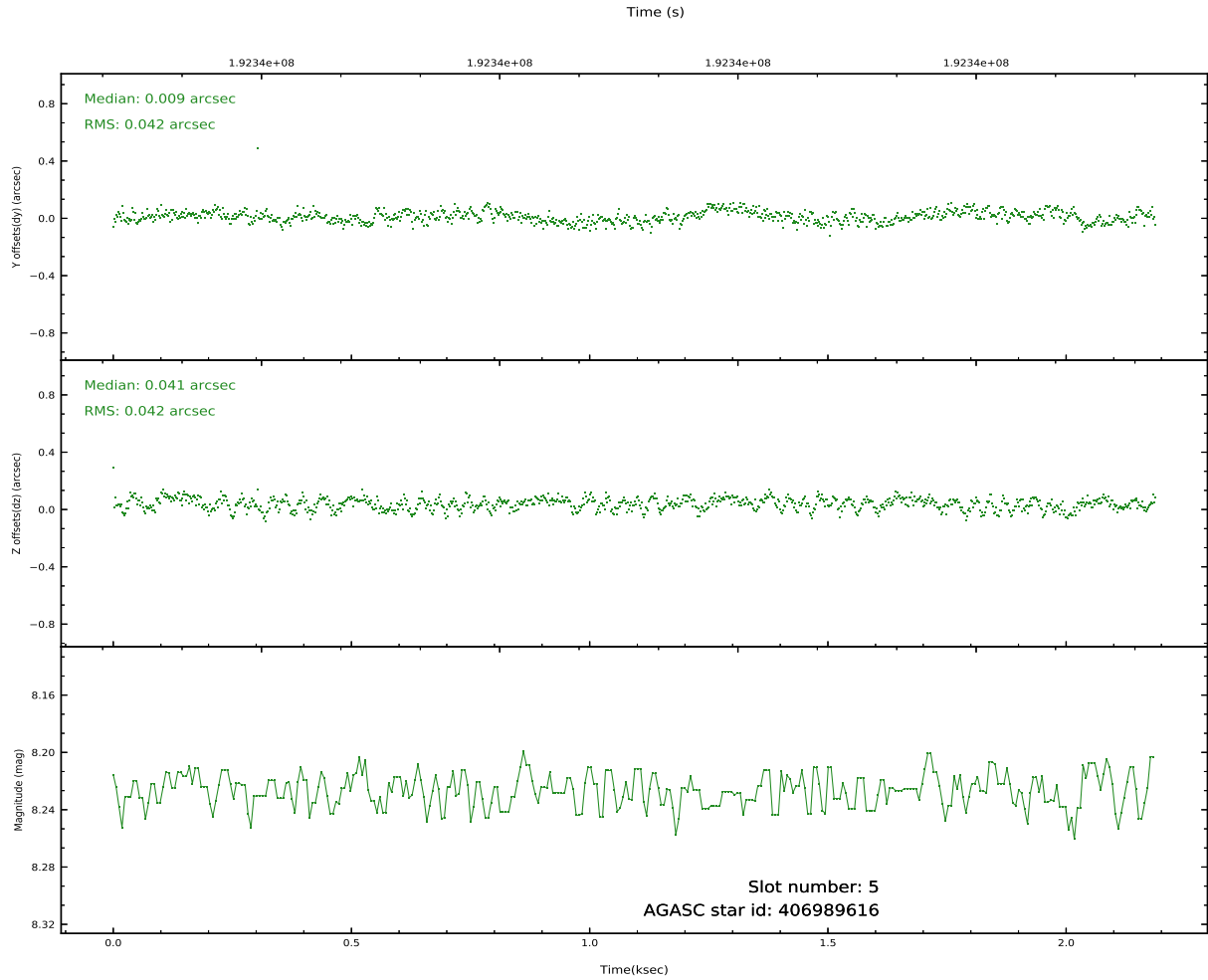
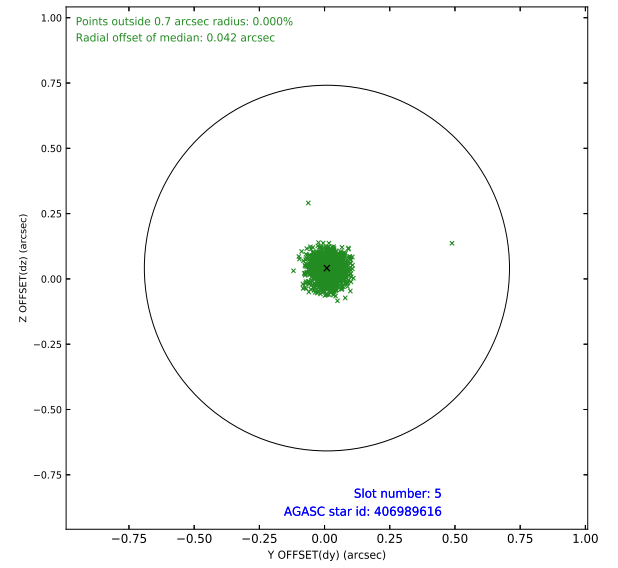
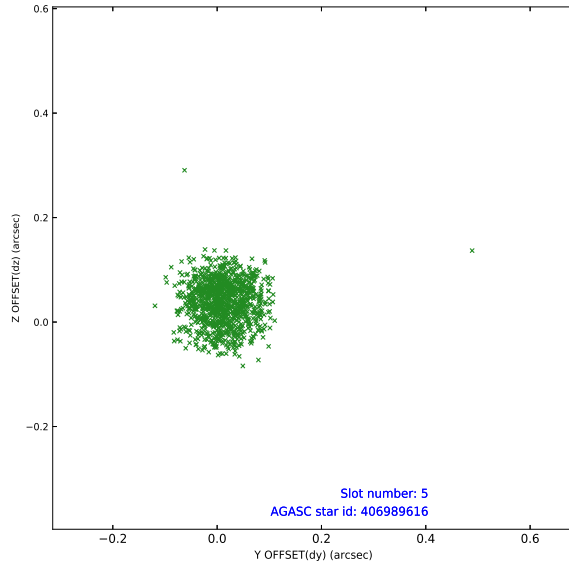
2.4.1 Slot 3



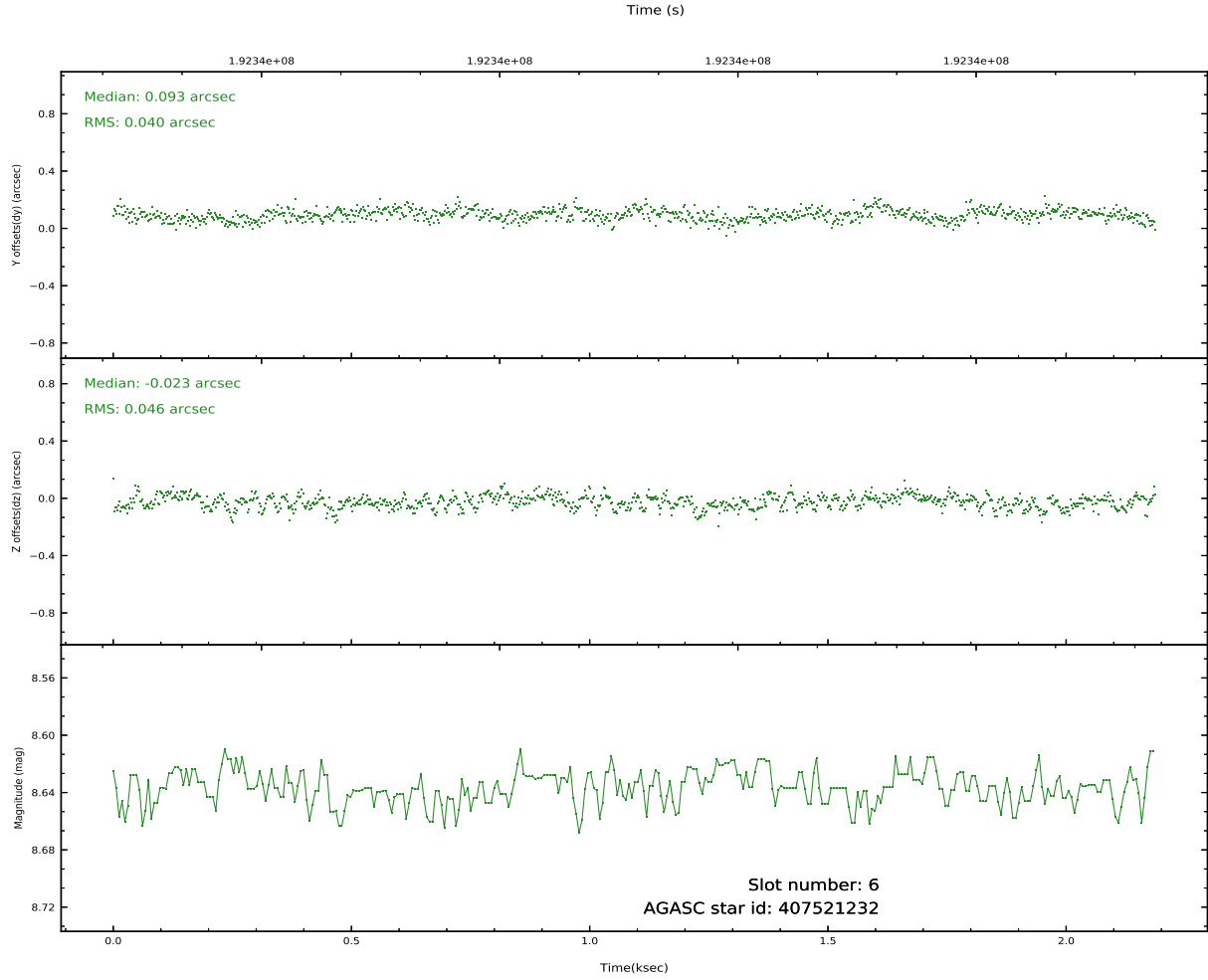
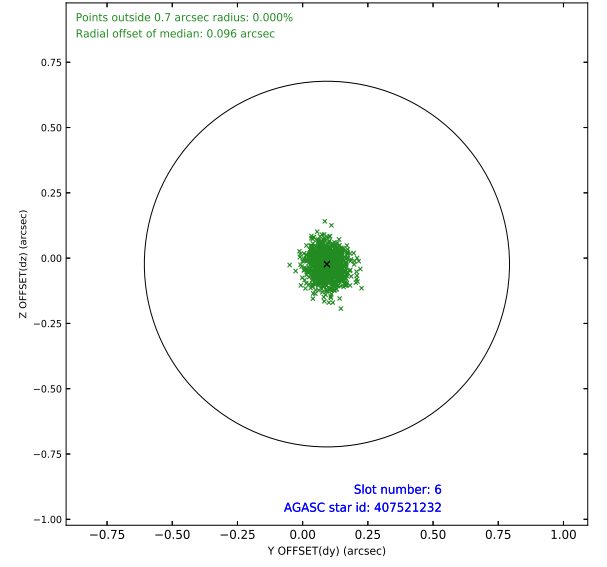
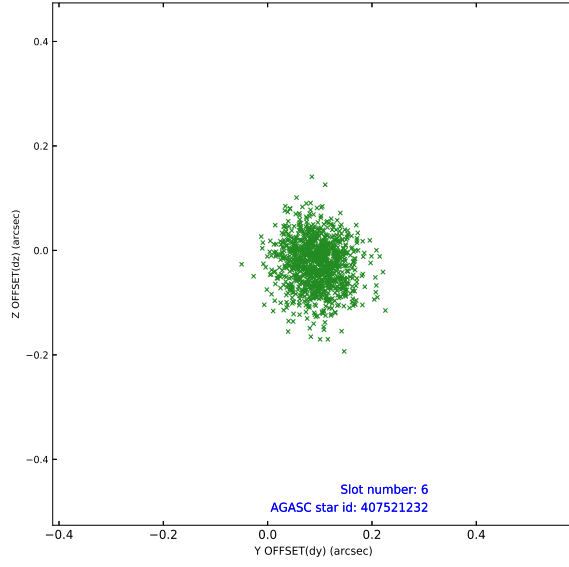
2.4.2 Slot 4



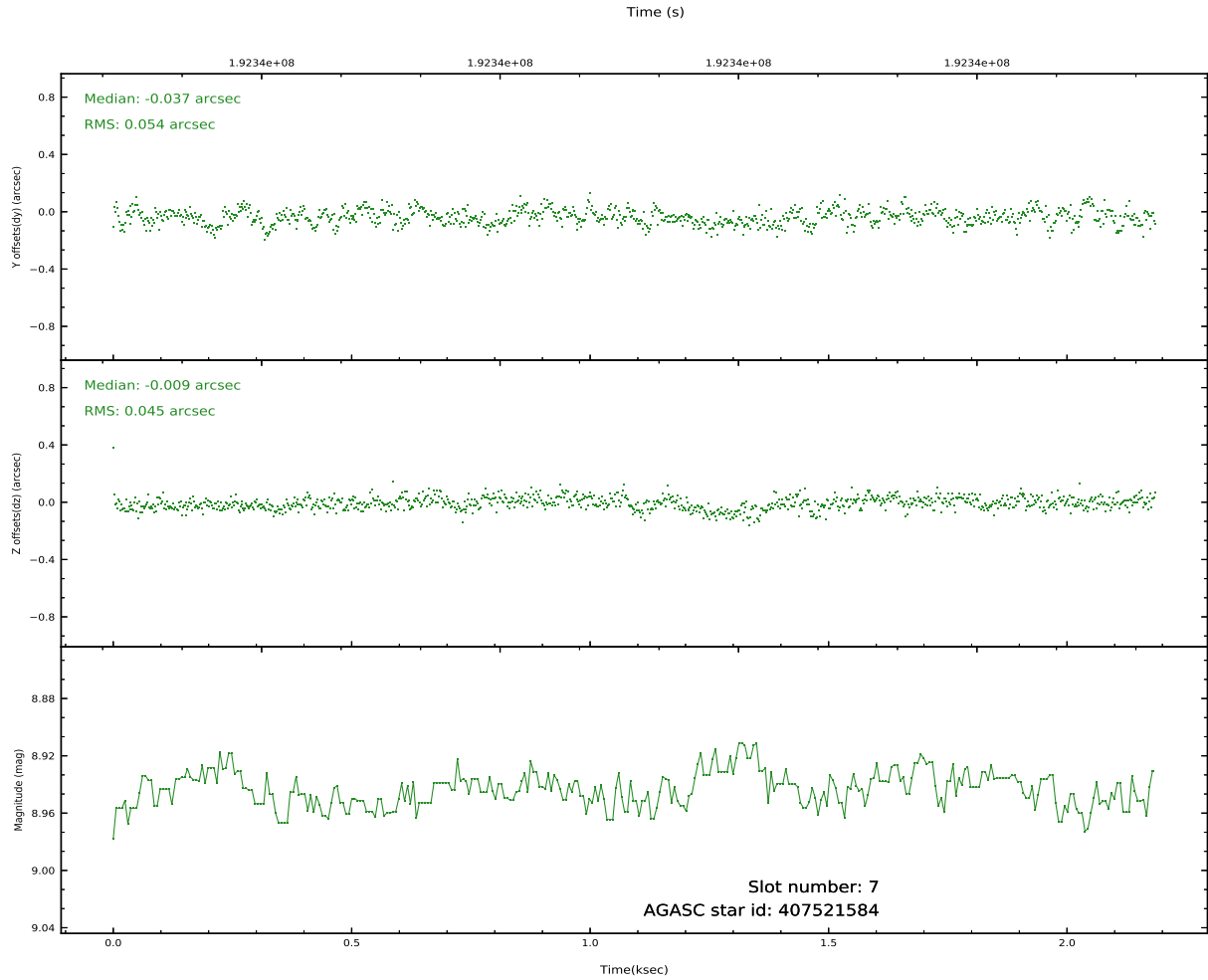
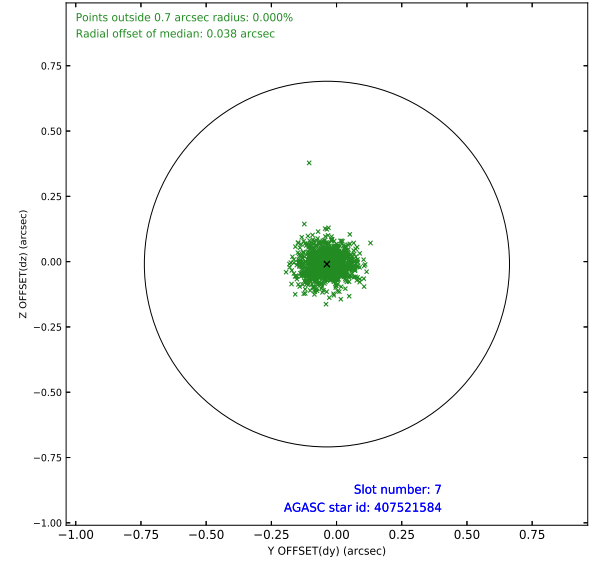
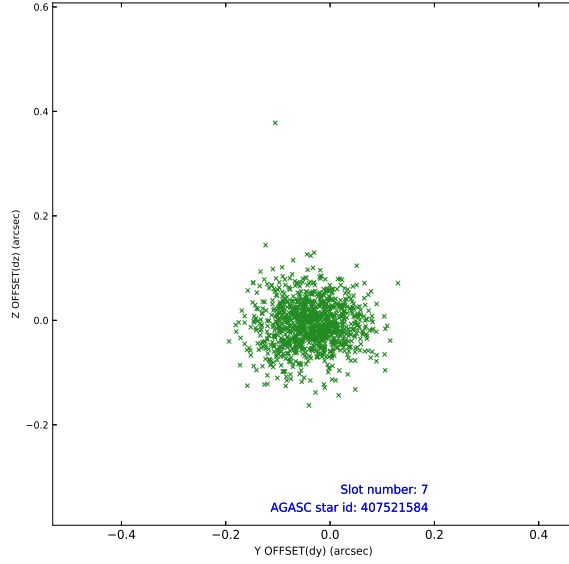
2.4.3 Slot 5



2.4.4 Slot 6

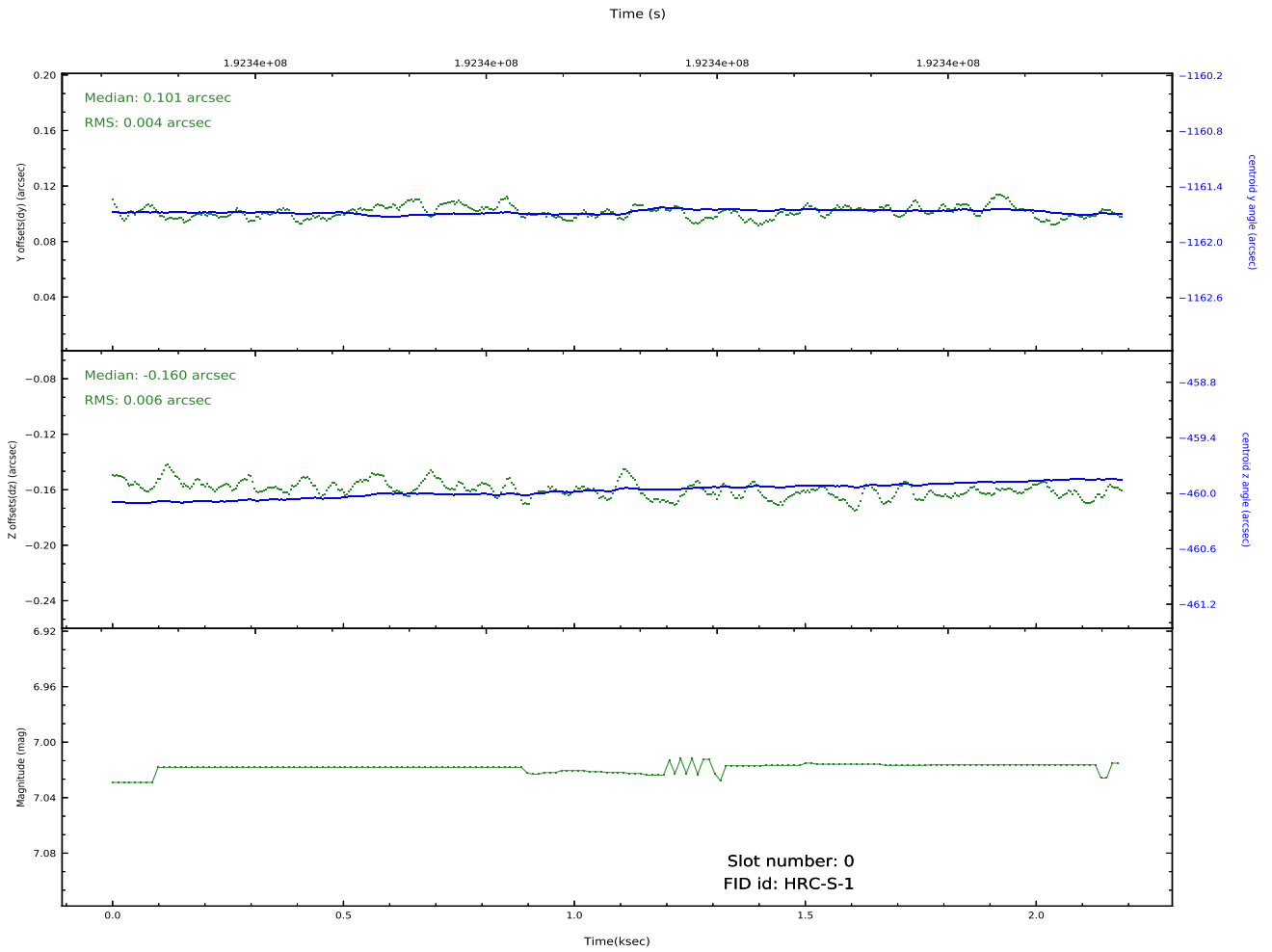
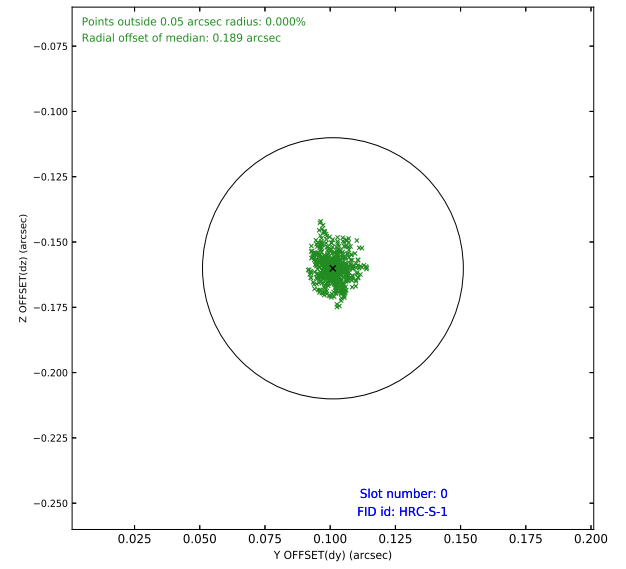
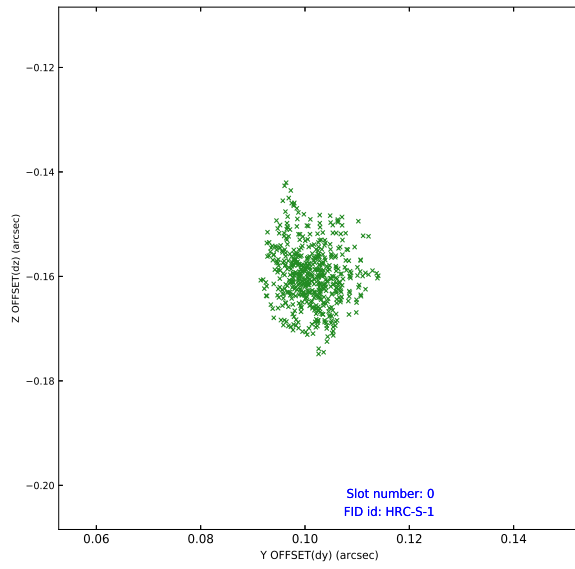


2.4.5 Slot 7

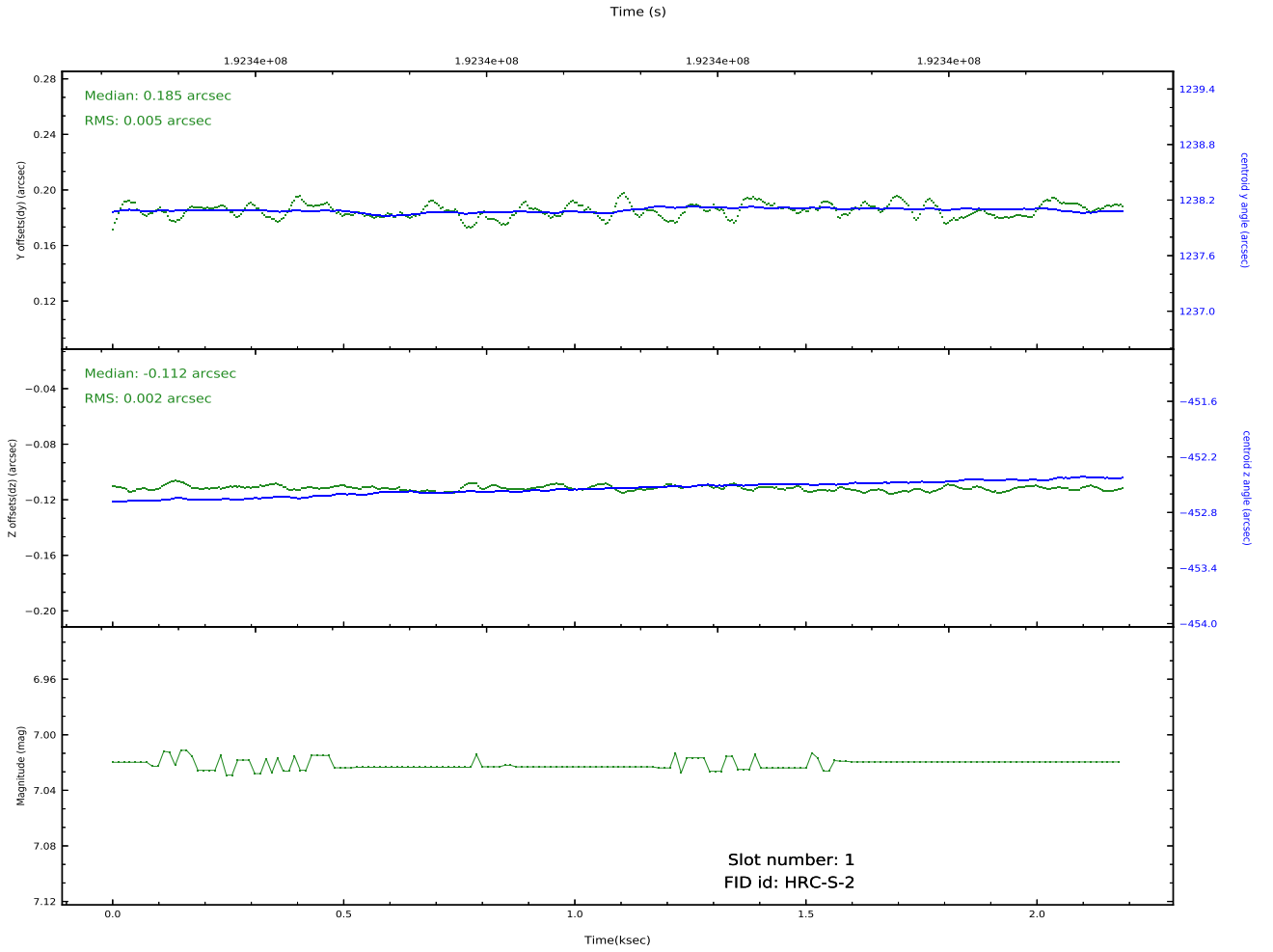
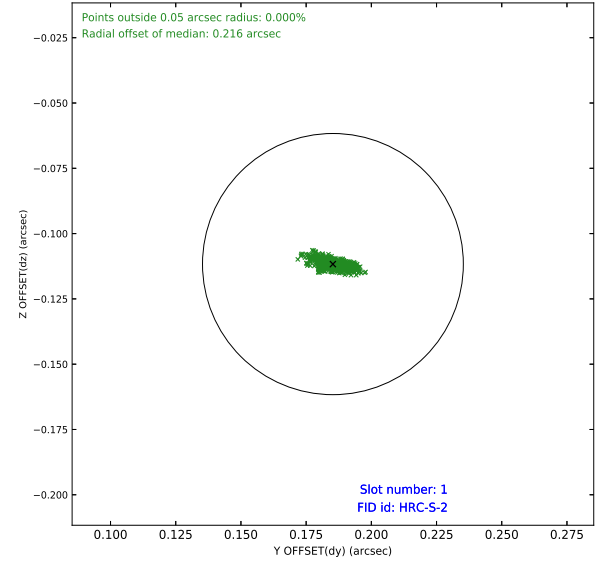
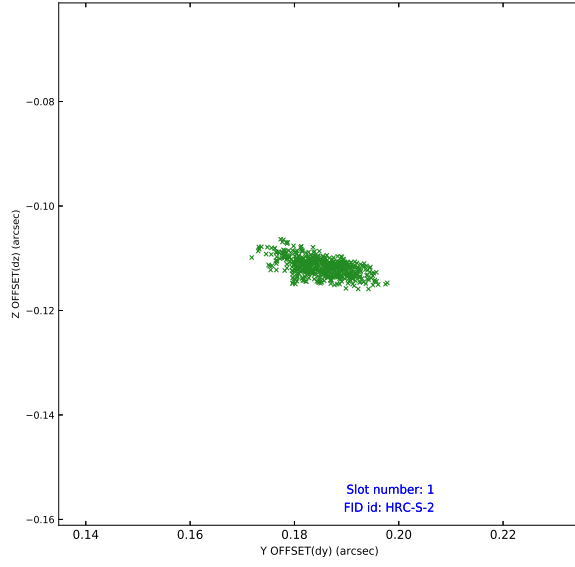


2.5 FID Slots

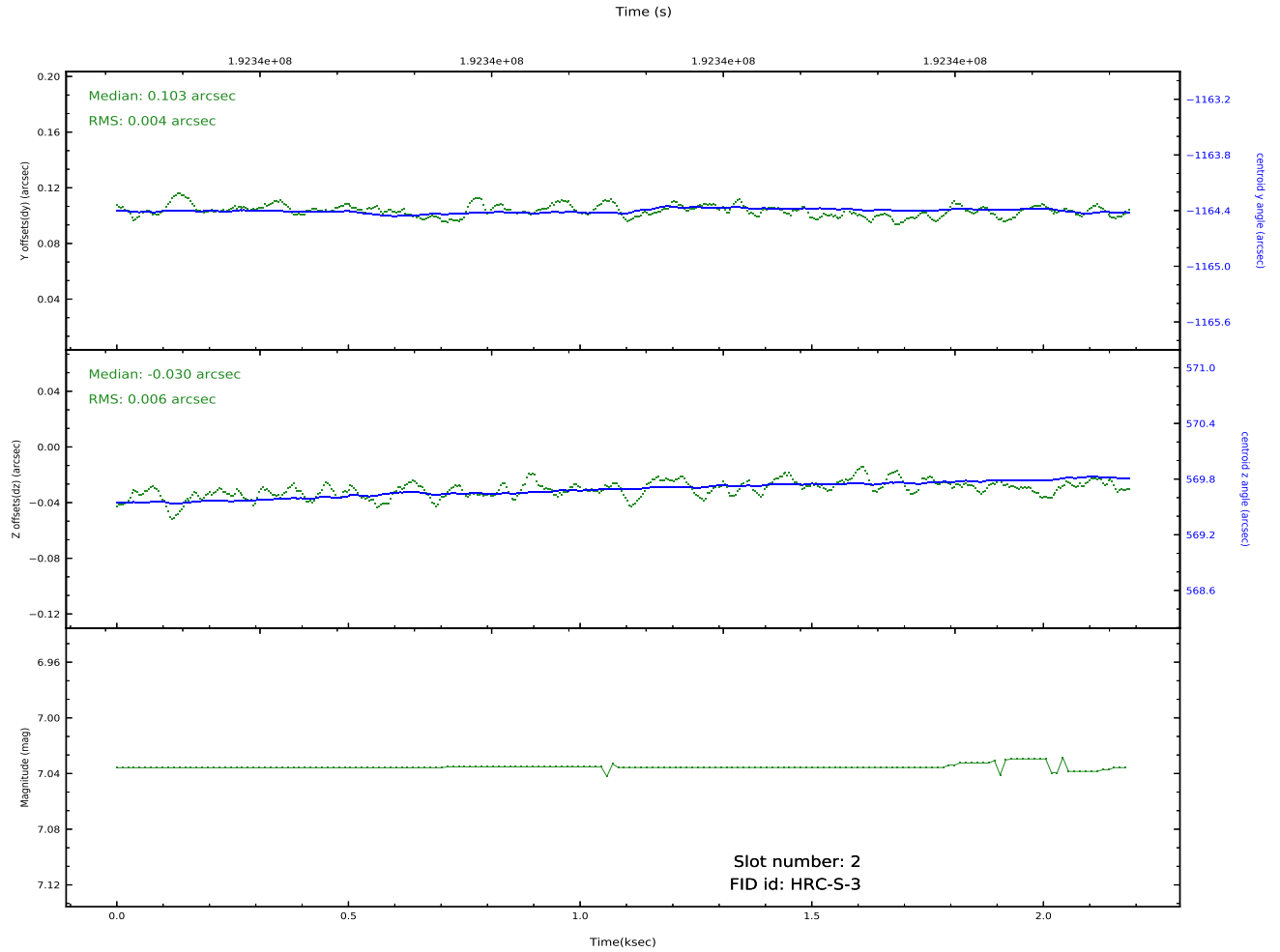
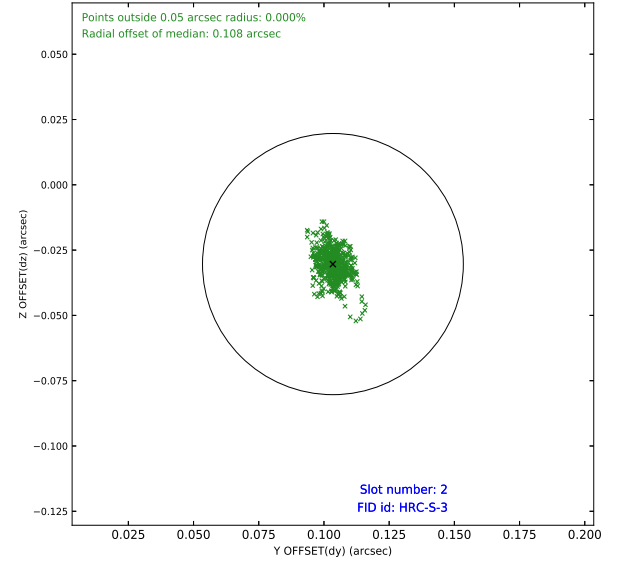
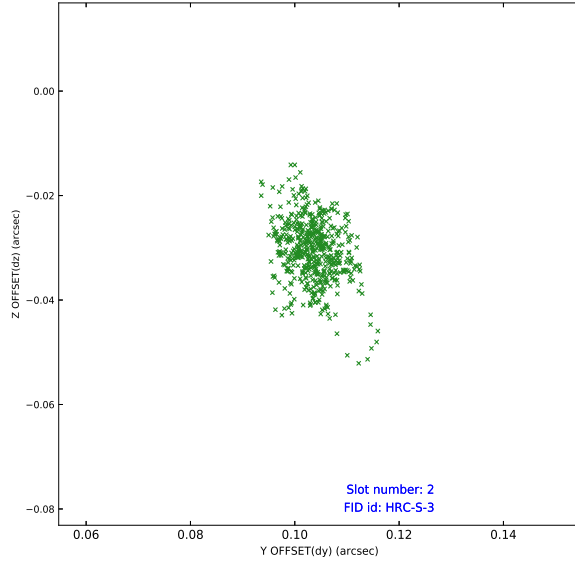
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.142

A.2 Comments

Window constraint met.