

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5967 - L2 Version 4
Chandra X-Ray Center

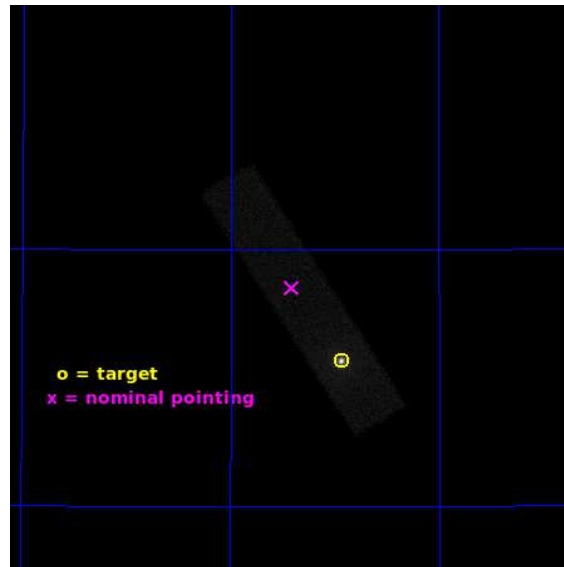
L2 Processing Date : Oct 6 2020

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

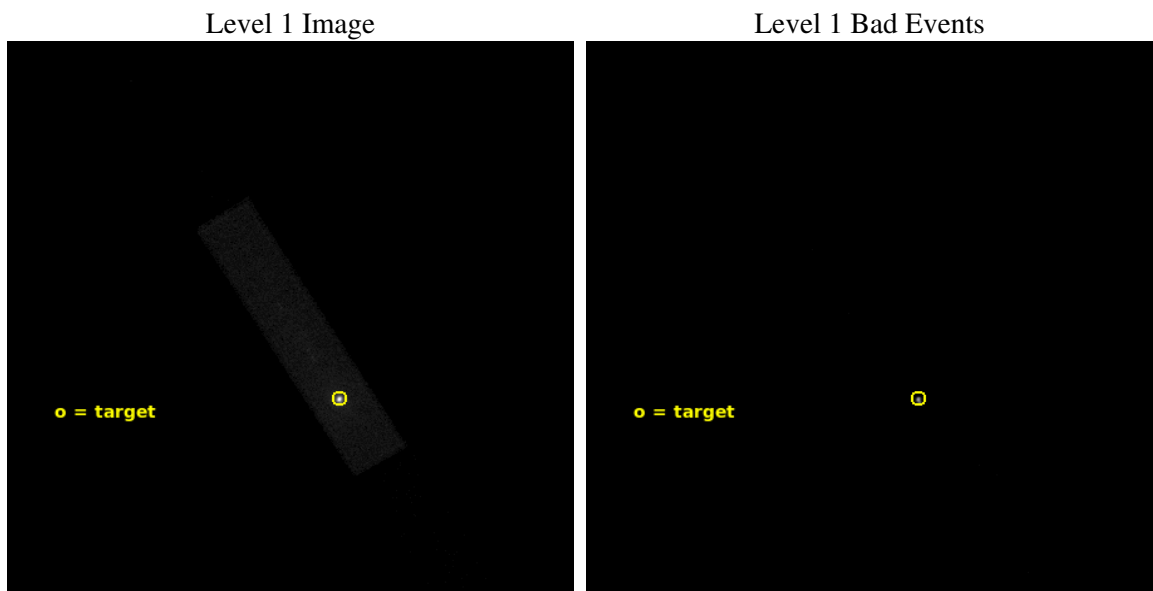
seq_num	290459	Sequence number
obs_id	5967	Observation id
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.3528675583	Nominal RA [deg]
dec_nom	38.926009609906	Nominal Dec [deg]
roll_nom	58.392321993775	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2159.9313477576	[s]
livetime	1827.026017763	Ontime multiplied by DTCOR
l2events	378620	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	2159.9313477576	[s]
caldsver	4.9.2	 	l1events	451490	Number of level 1 events
date	2020-10-06T21:50:55	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

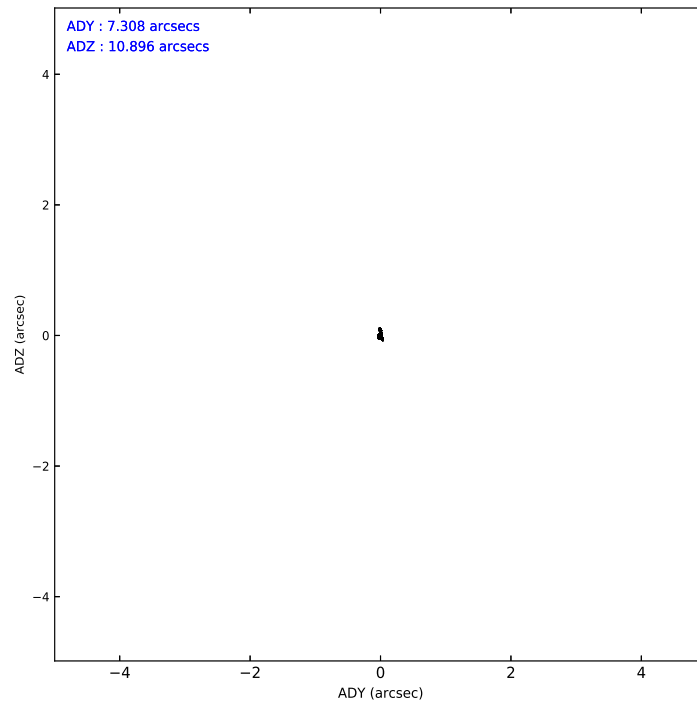
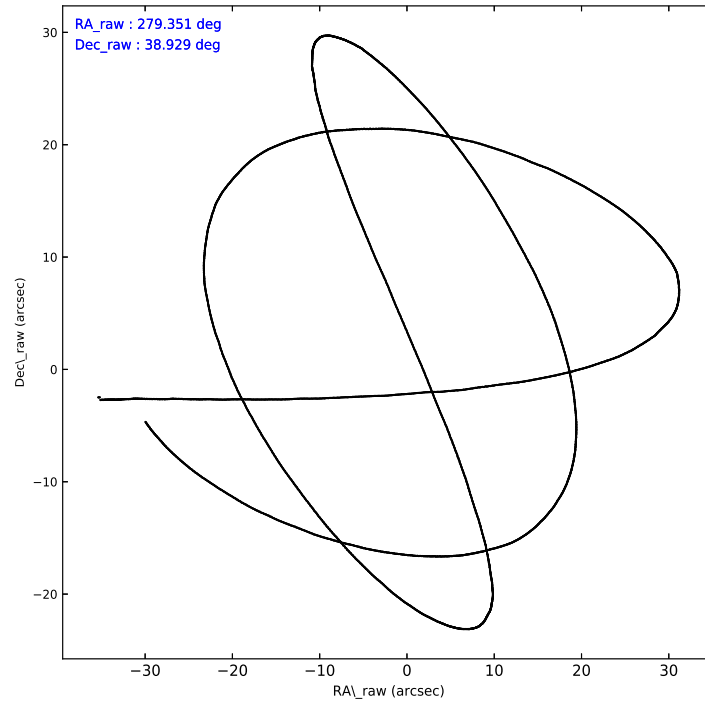
Level 1 Events

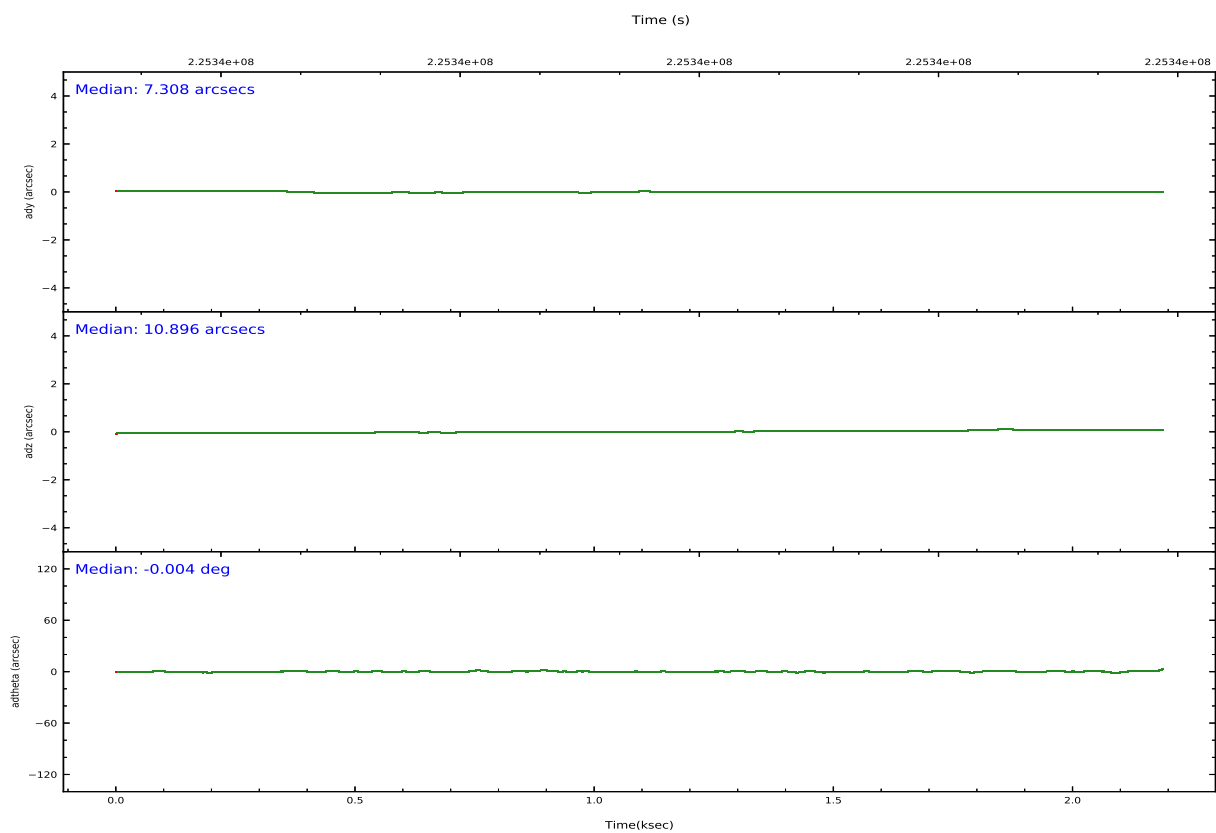
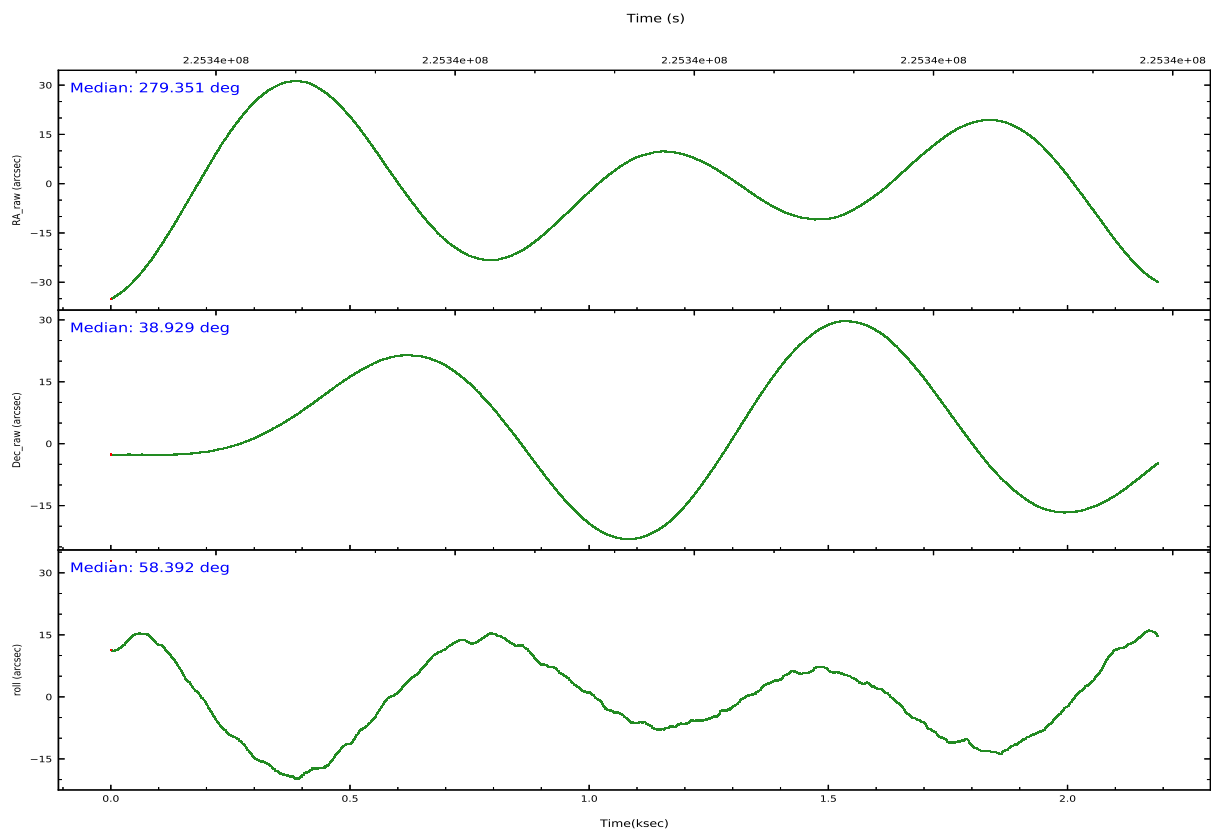
	segment 1	segment 2	segment 3
level 1 events	4497	445982	1011
rejected events	4471	47737	1009
rejected %	99%	10%	99%

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	279.351354	279.3528675583			
[deg] Pointing Dec	38.900998	38.926009609906			
[deg] Pointing Roll	58.323978	58.392321993775			
[s] Window start time (MET)	223603264.184000	223603264.184000			
[s] Window stop time (MET)	228614464.184000	228614464.184000			
[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)	225334969.184000	225334593.22367			
Observation start date	2005-02-21T01:01:45	2005-02-21T00:56:33			
[s] Observation end time (MET)	225336969.184000	225337103.44878			
Observation end date	2005-02-21T01:35:05	2005-02-21T01:38:23			

2.3 Aspect



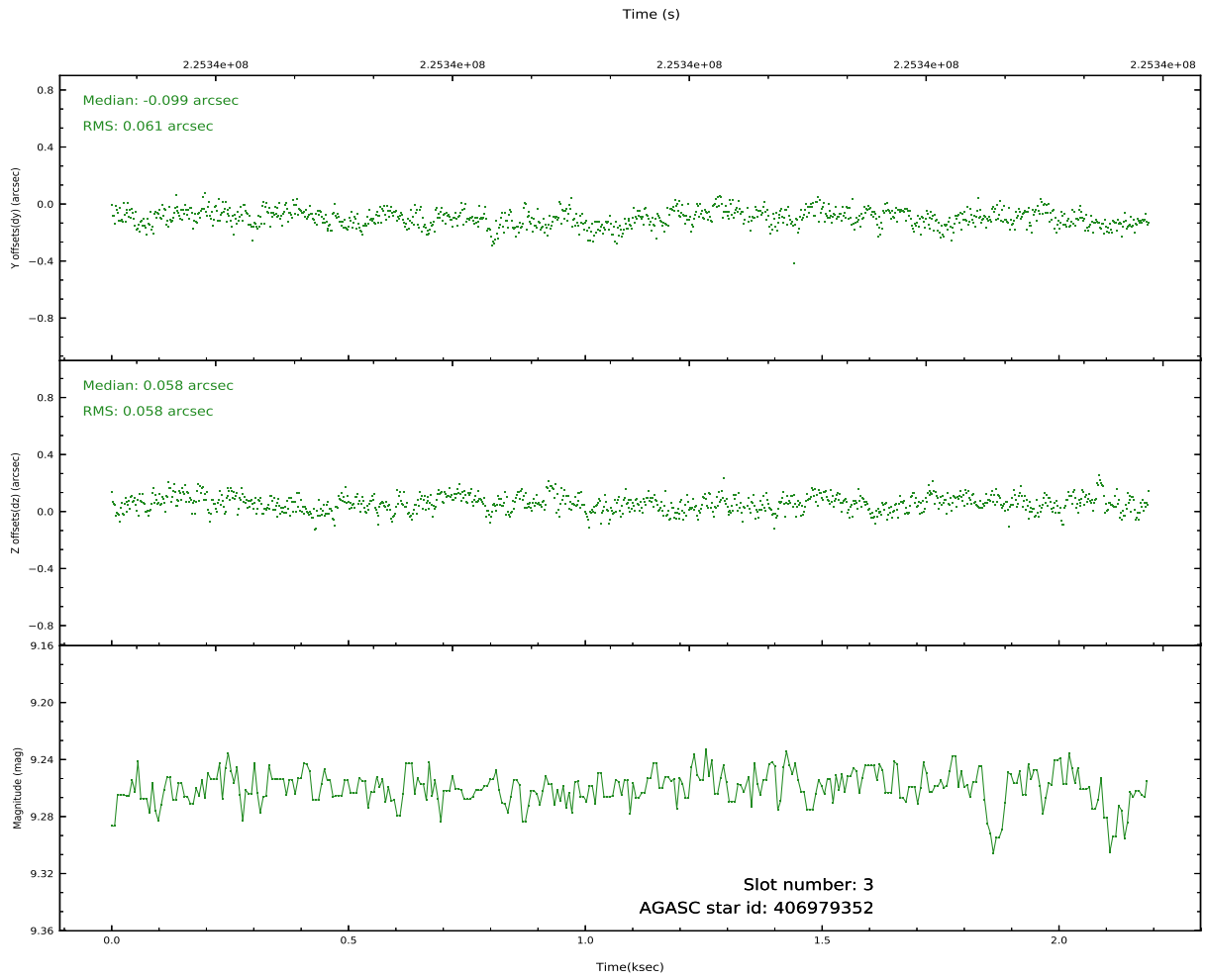
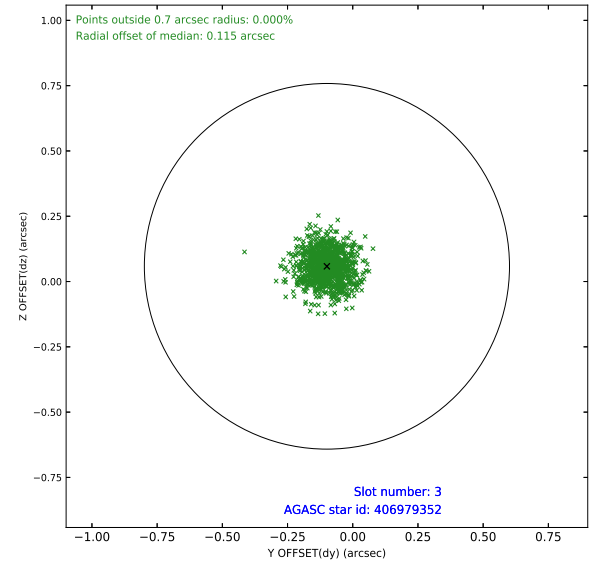
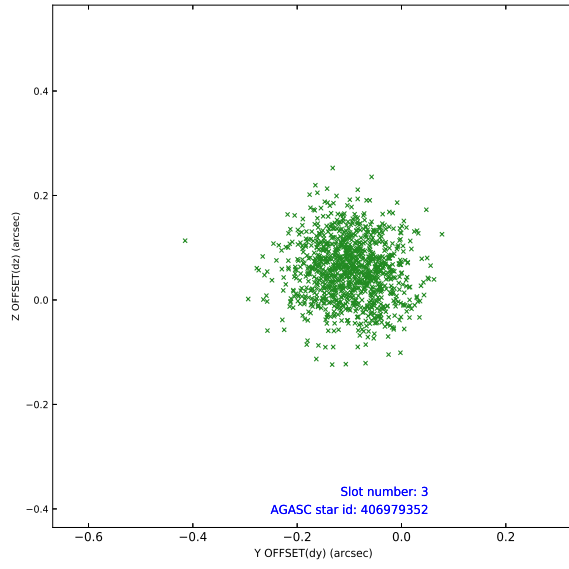


Slot Statistics

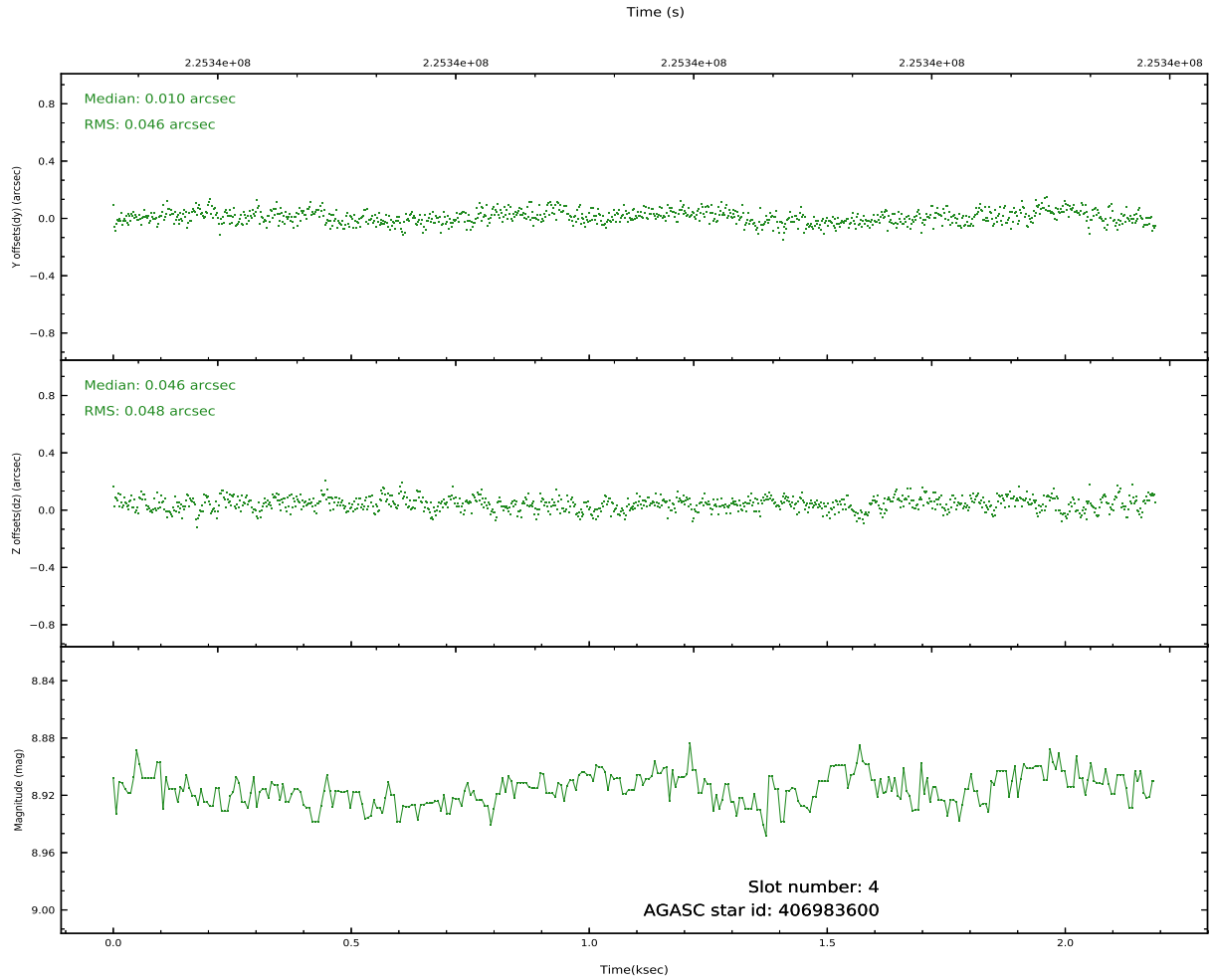
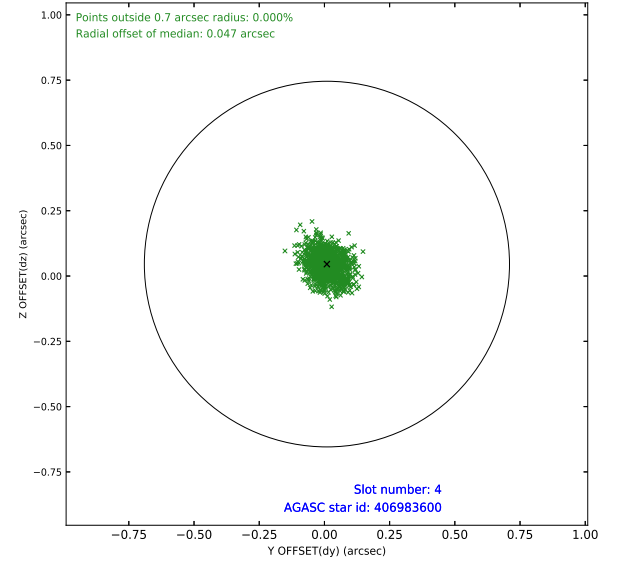
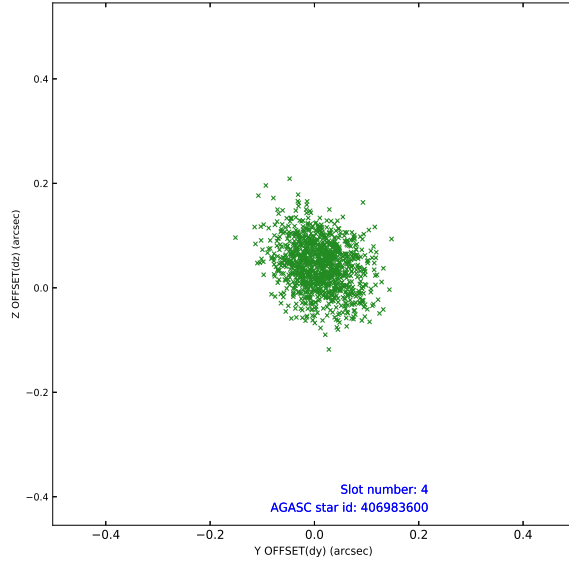
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.02	535	1.000	0.101	-0.175	0.007	0.012	0.000000	0.000000	-1161.48	-459
1	FID		HRC-S-2	7.01	535	1.000	0.203	-0.119	0.004	0.007	0.000000	0.000000	1236.13	-453
2	FID		HRC-S-3	7.02	535	1.000	0.086	-0.008	0.007	0.012	0.000000	0.000000	-1161.92	569
3	GUIDE	used	406979352	9.26	1067	1.000	-0.099	0.058	0.090	0.144	279.968297	39.230258	1916.85	-837
4	GUIDE	used	406983600	8.92	1069	1.000	0.010	0.046	0.070	0.115	279.940957	39.020708	1239.36	-1174
5	GUIDE	used	406989616	8.24	1069	1.000	0.053	0.061	0.072	0.114	279.202881	38.520843	-1382.42	-362
6	GUIDE	used	407521232	8.66	1069	1.000	0.041	-0.088	0.068	0.107	279.628883	39.431715	2031.25	347
7	GUIDE	used	406990192	8.99	1068	1.000	-0.005	-0.072	0.089	0.138	278.510952	38.533654	-2356.79	1326

2.4 Star Slots

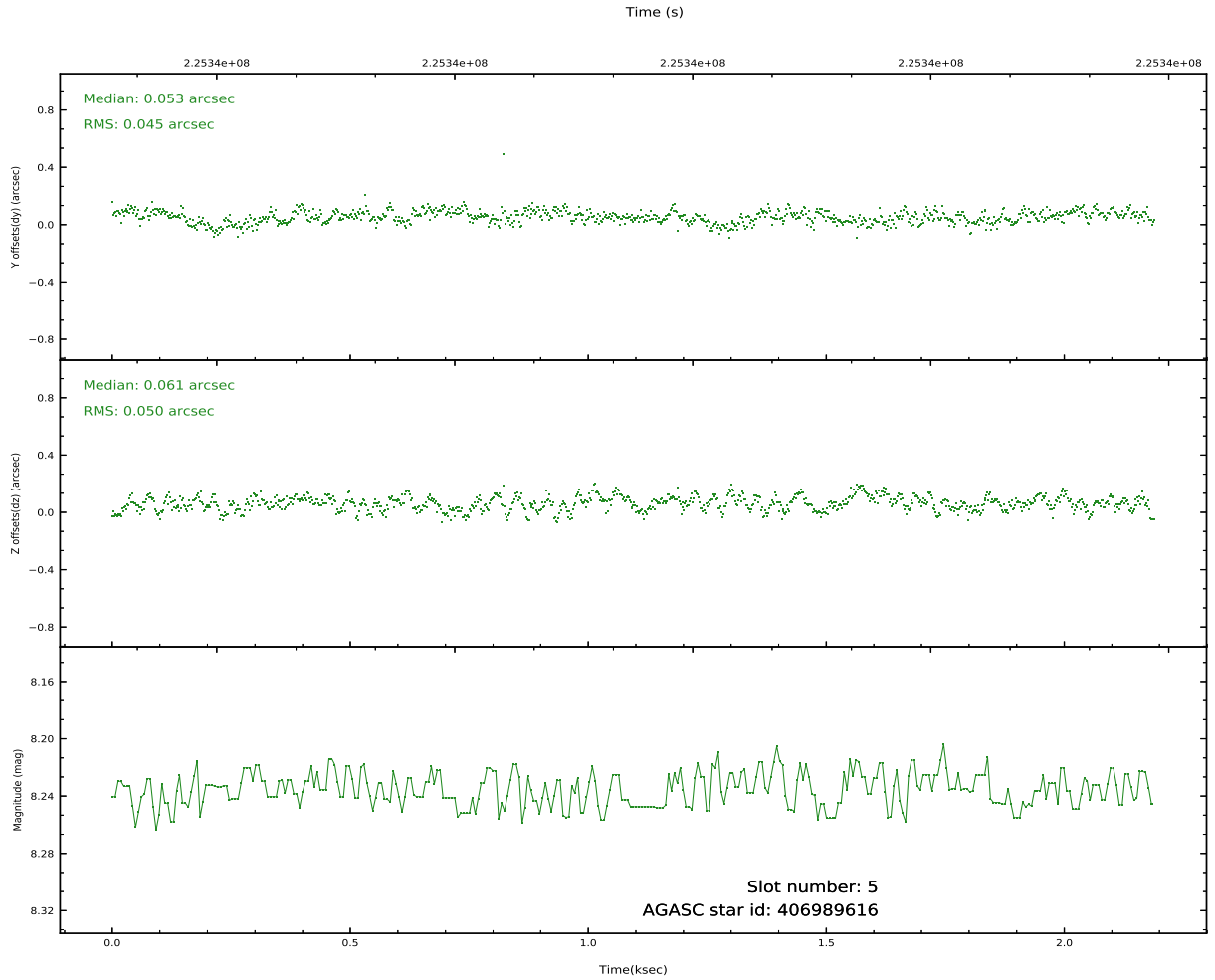
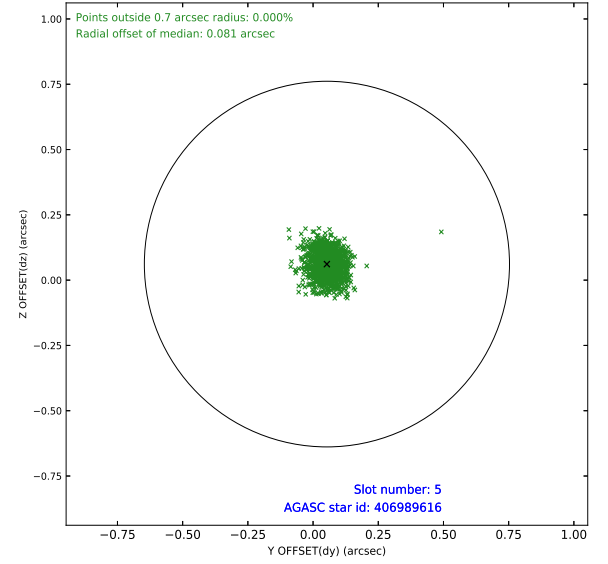
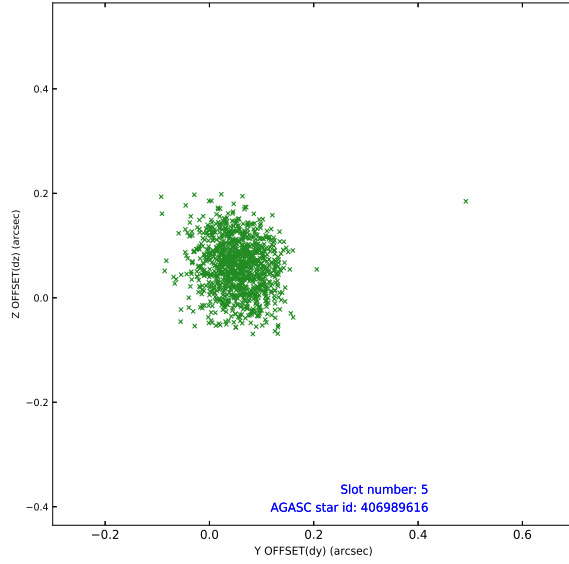
2.4.1 Slot 3



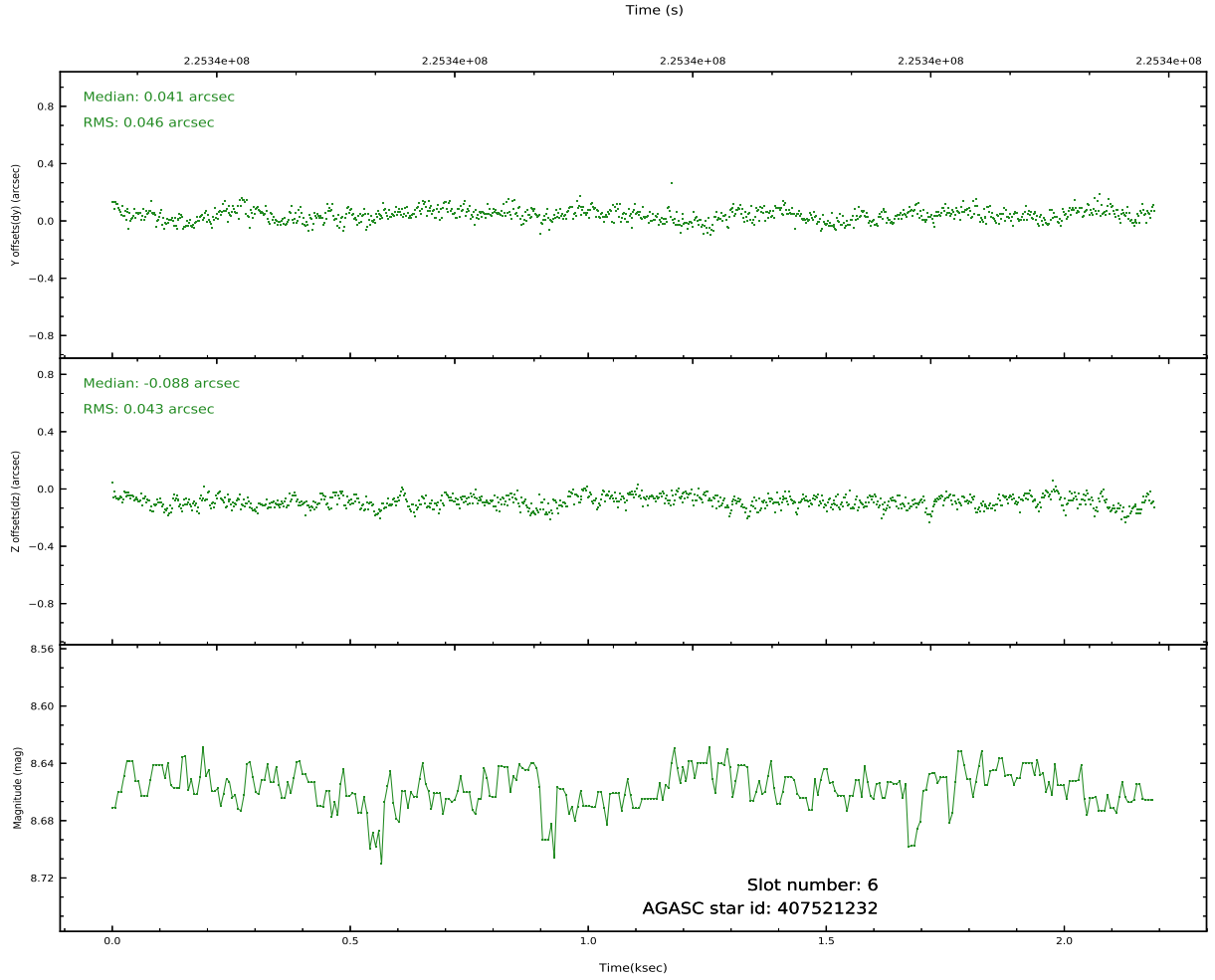
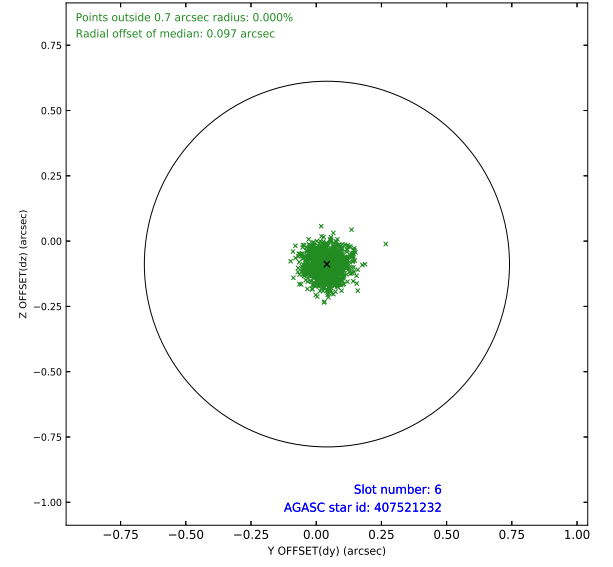
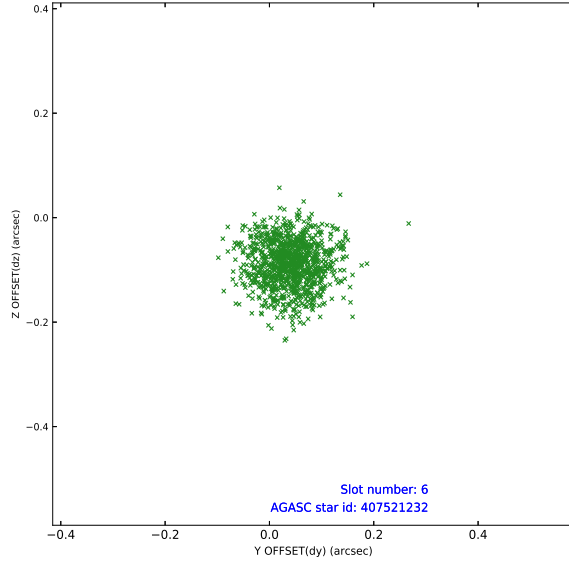
2.4.2 Slot 4



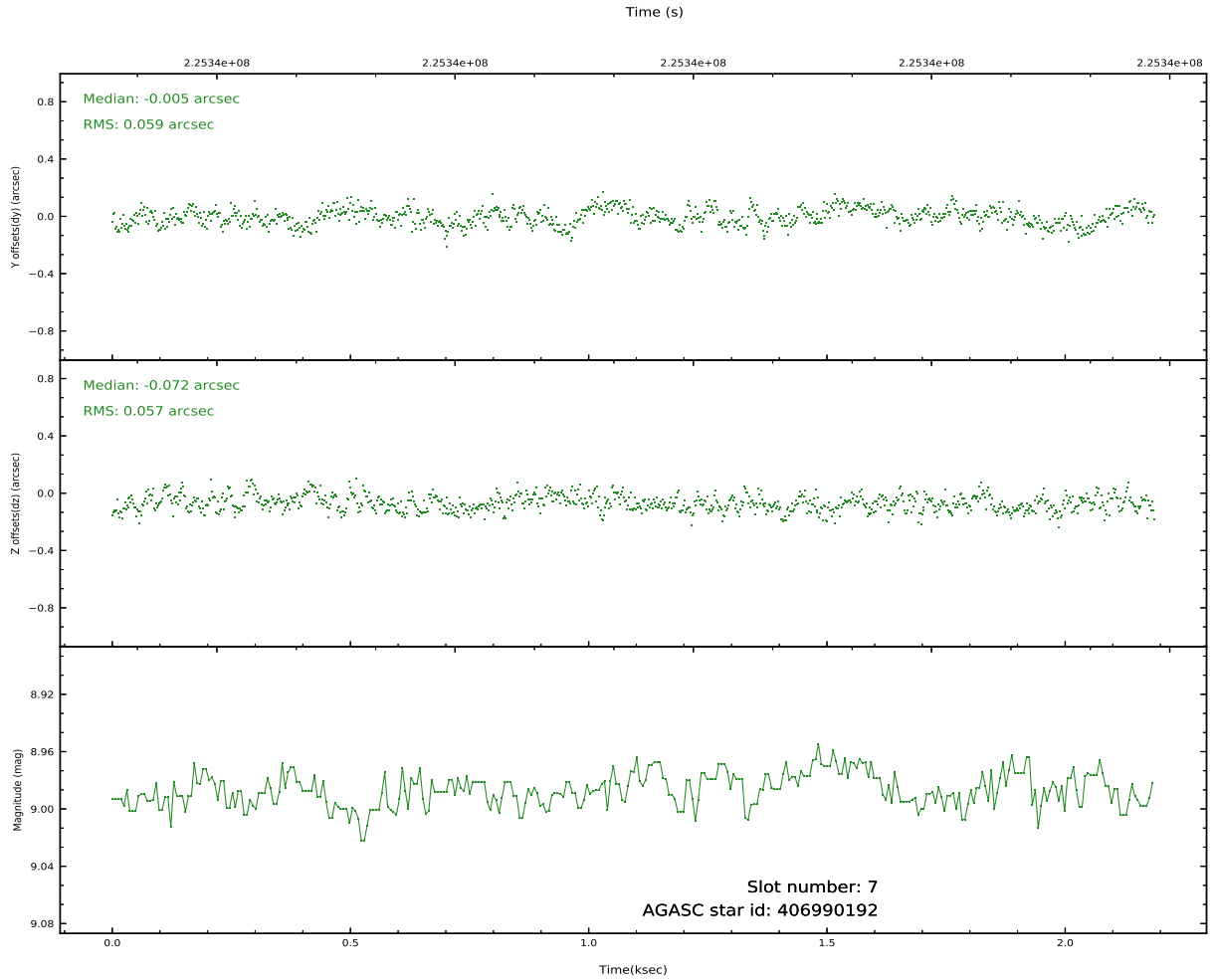
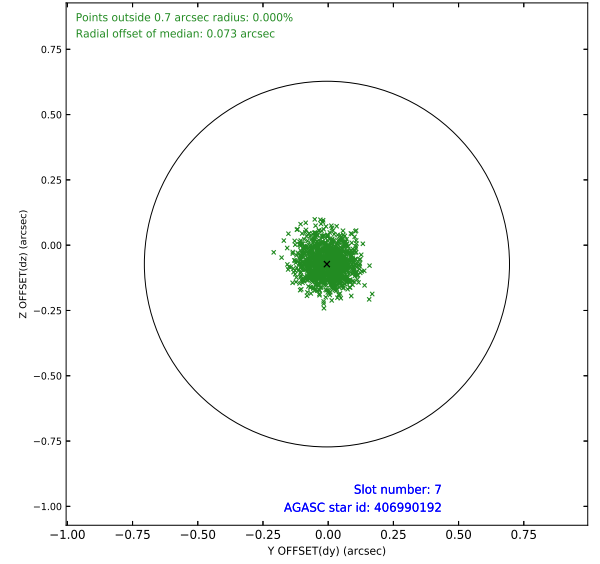
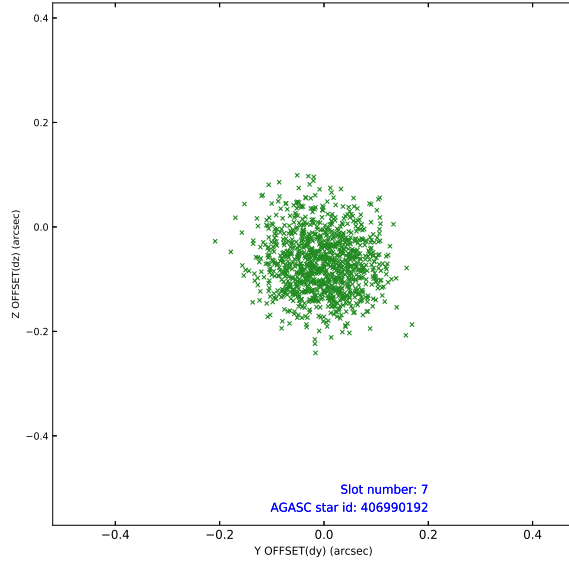
2.4.3 Slot 5



2.4.4 Slot 6

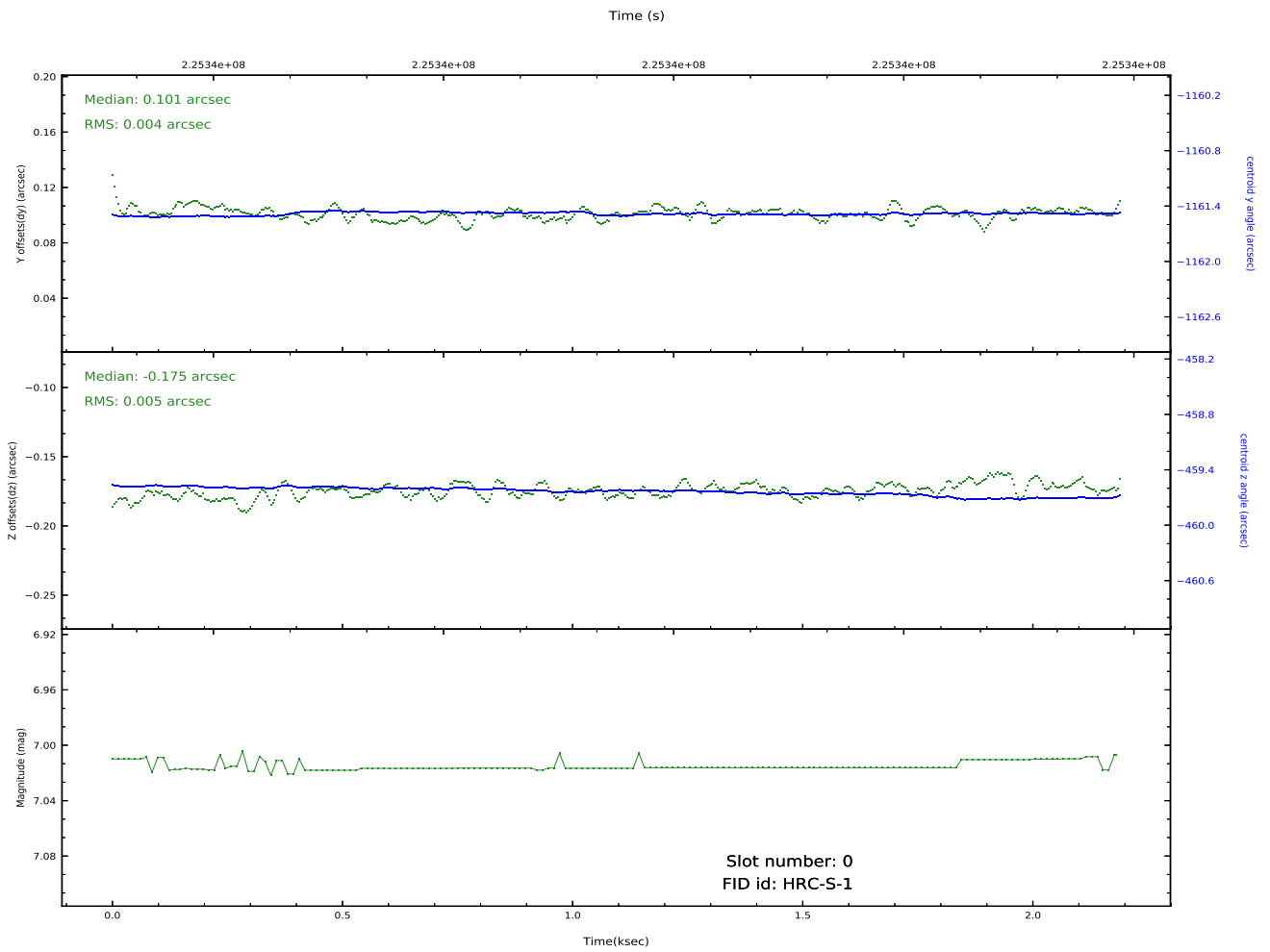
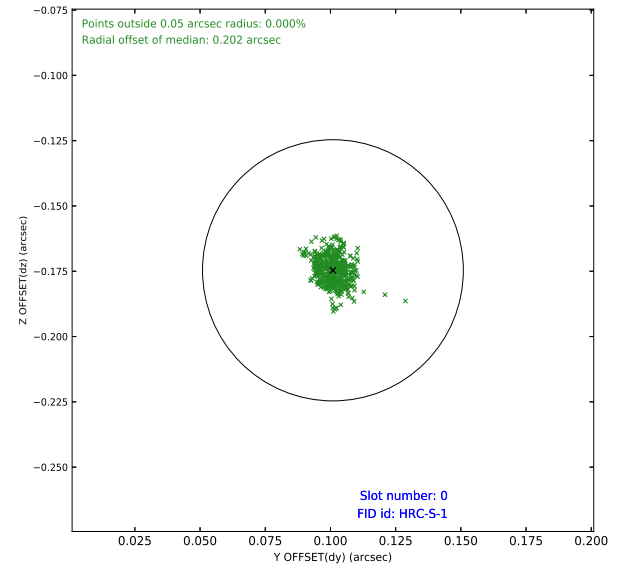
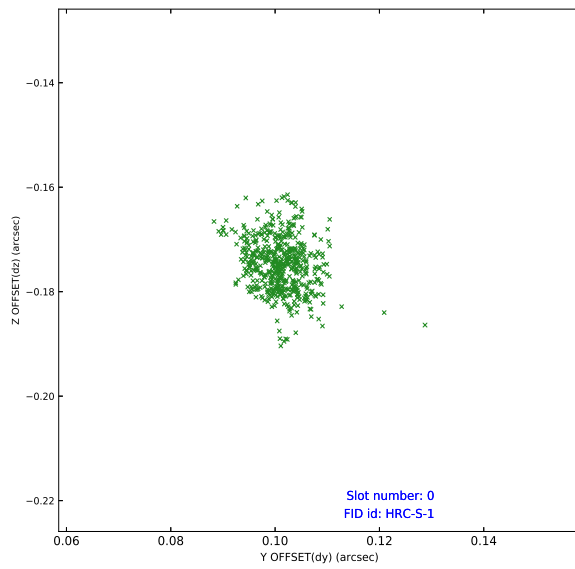


2.4.5 Slot 7

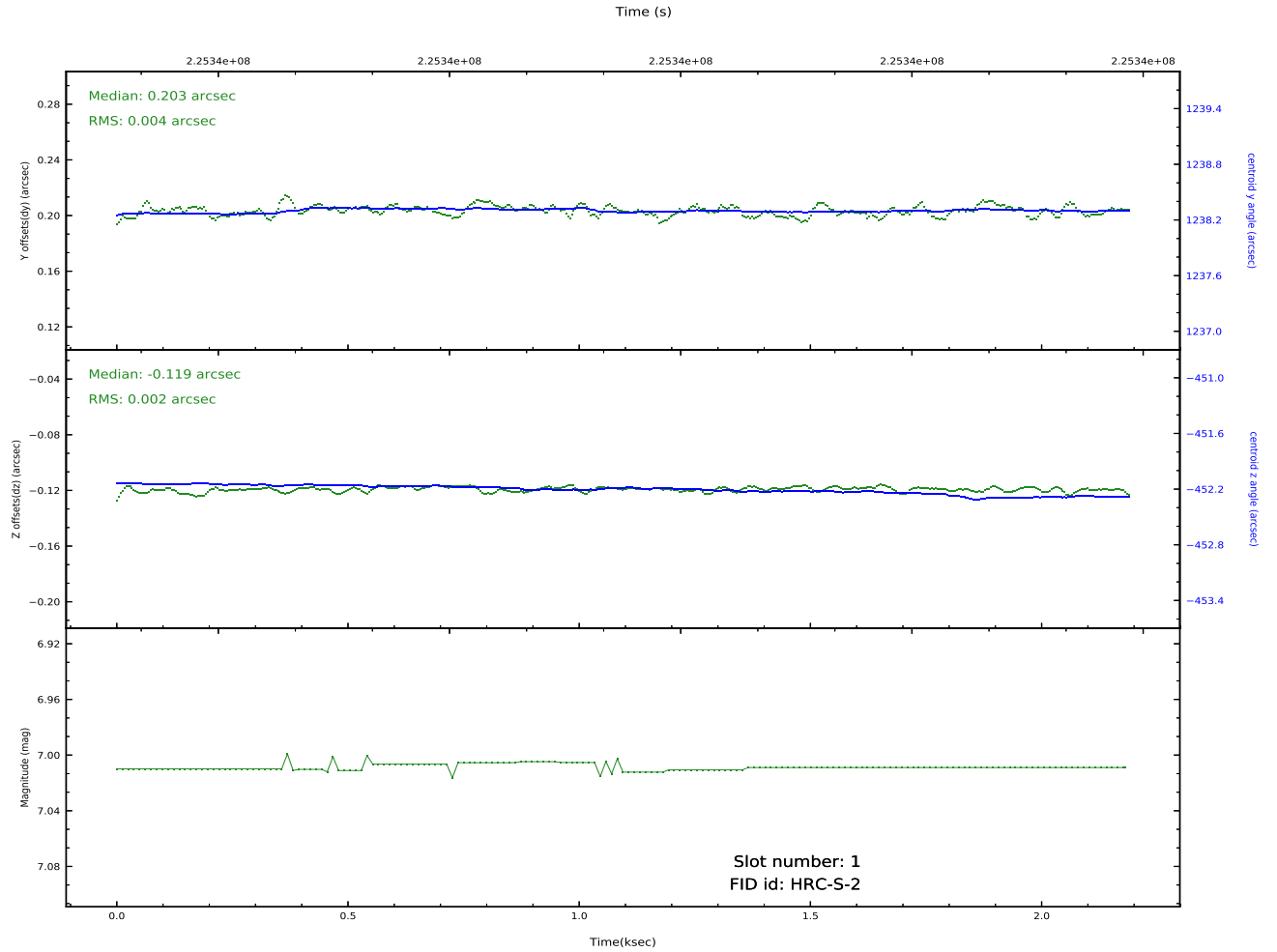
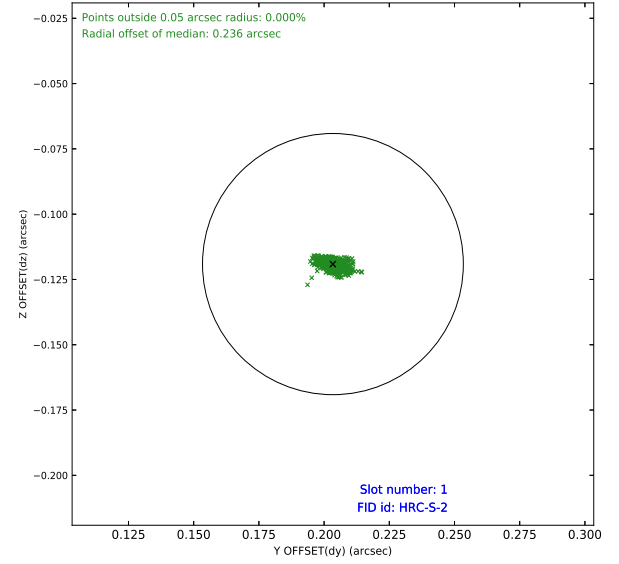
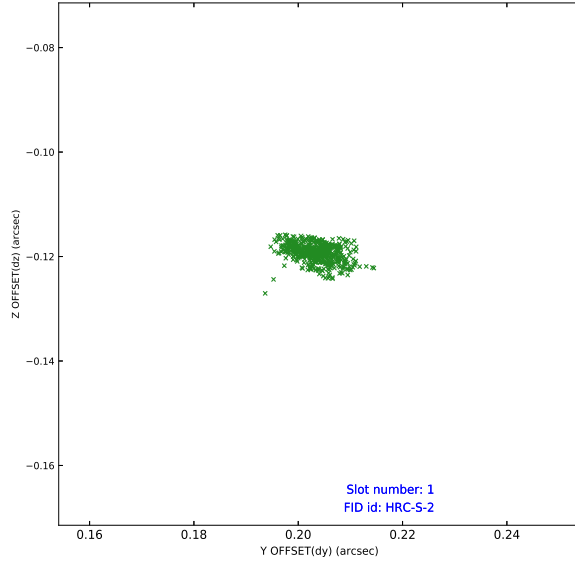


2.5 FID Slots

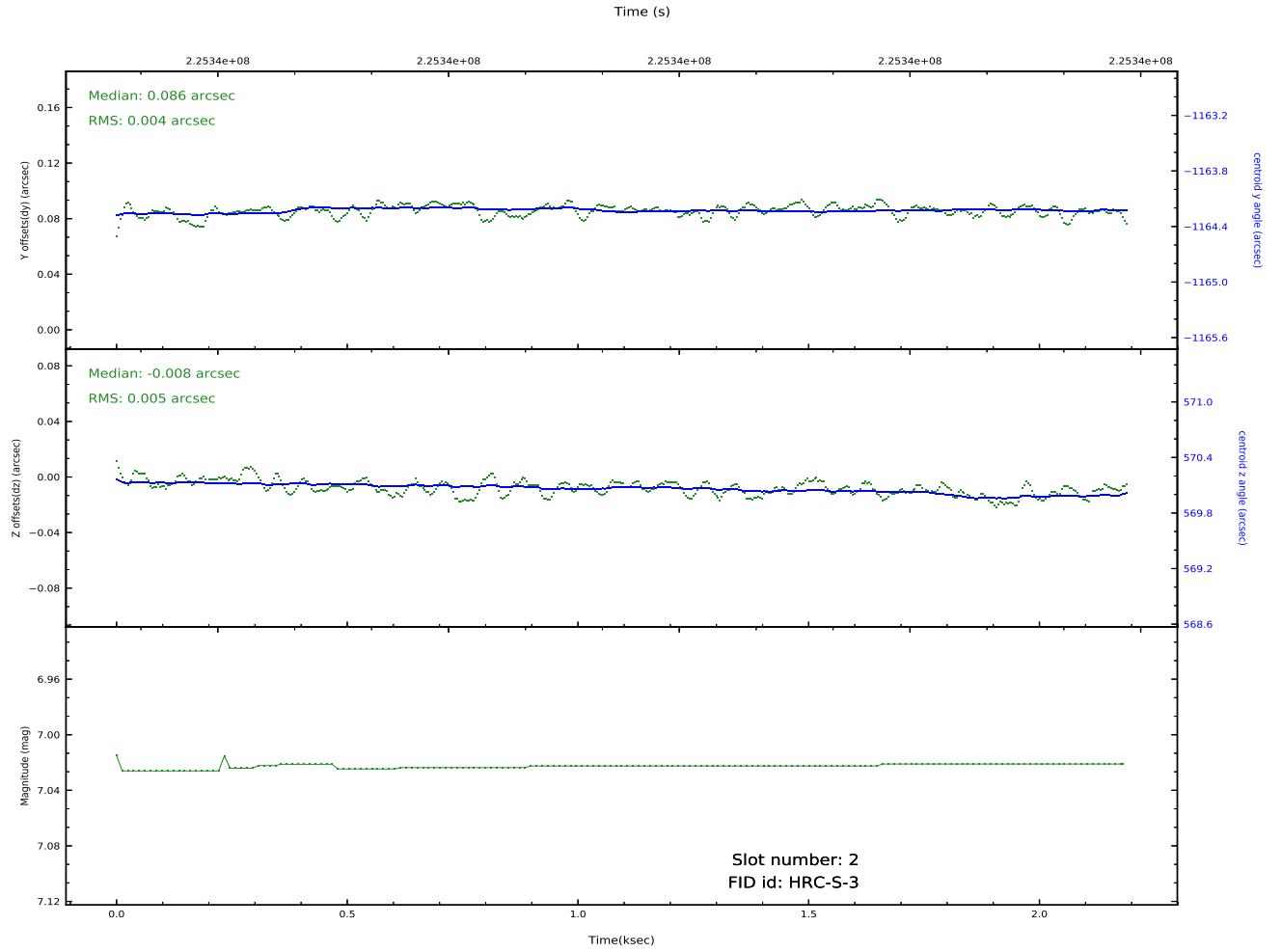
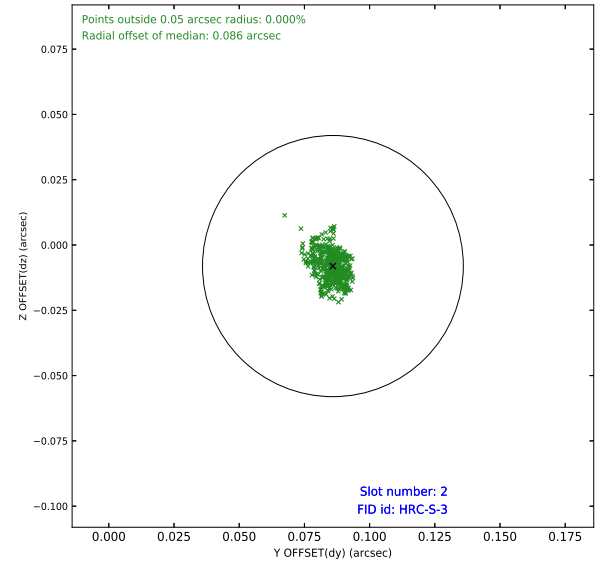
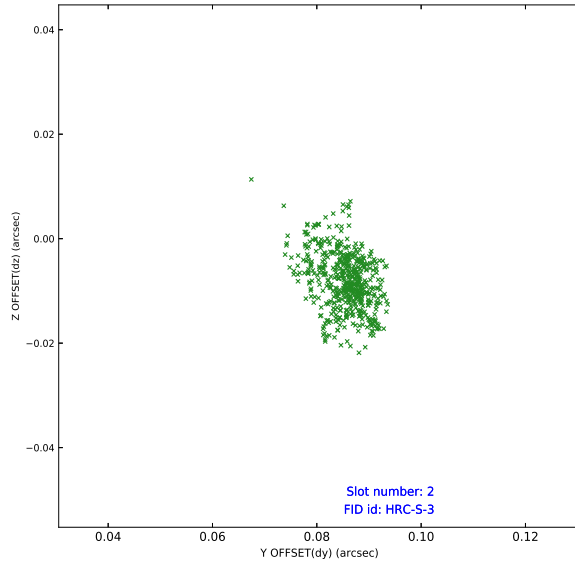
2.5.1 Slot 0



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)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.159931

A.2 Comments

Window constraint was met.