

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6073 - L2 Version 4
Chandra X-Ray Center

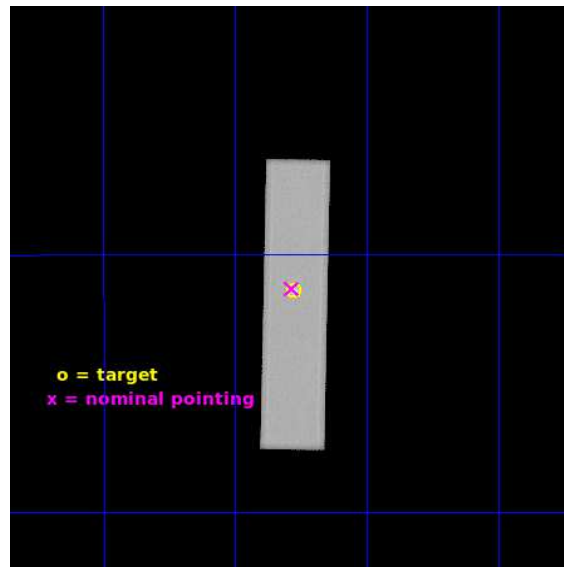
L2 Processing Date : Oct 7 2020

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1 Front

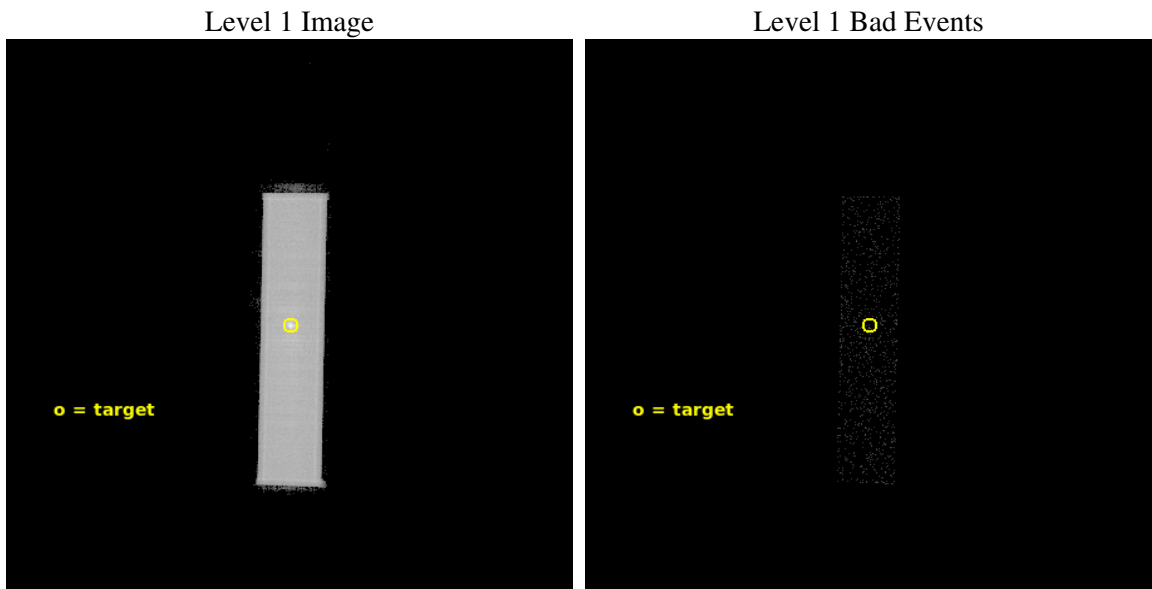
seq_num	590400	Sequence number
obs_id	6073	Observation id
title	AO6A Observations of the Standard Candles Cas A and G21.5-09	Propo
observer	CXC Calibration	Principal investigator
object	SNR G21.5-0.9	Source name
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.39249895486	Nominal RA [deg]
dec_nom	-10.565965053907	Nominal Dec [deg]
roll_nom	91.044383095314	Nominal Roll [deg]
revision	4	Processing version of data
ontime	20146.632164001	[s]
livetime	20021.925270253	Ontime multiplied by DTCOR
l2events	810875	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	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	20146.632164001	[s]
caldbver	4.9.2	 	l1events	1090260	Number of level 1 events
date	2020-10-07T11:21:31	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

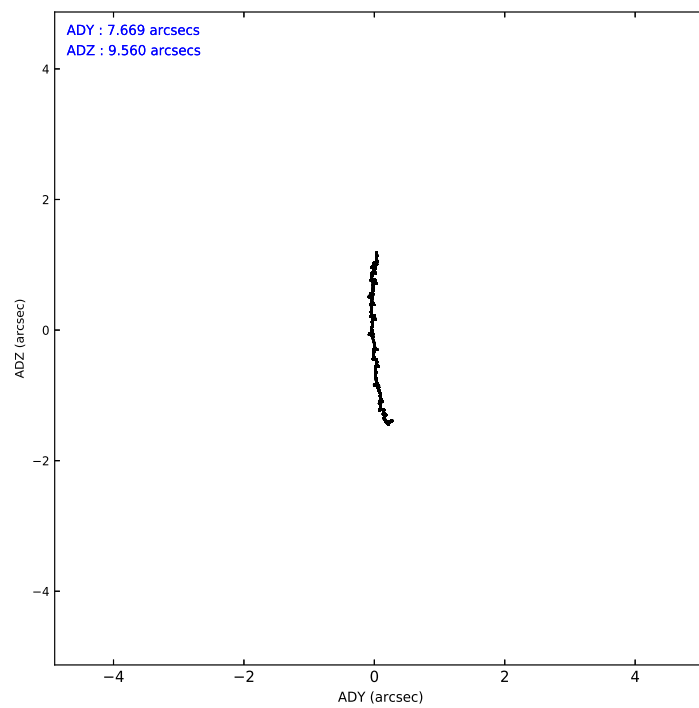
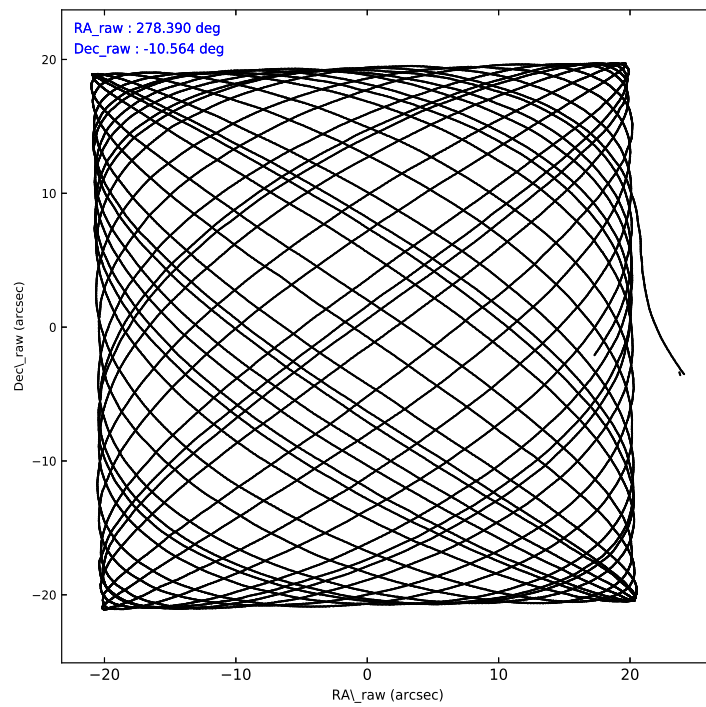
Level 1 Events

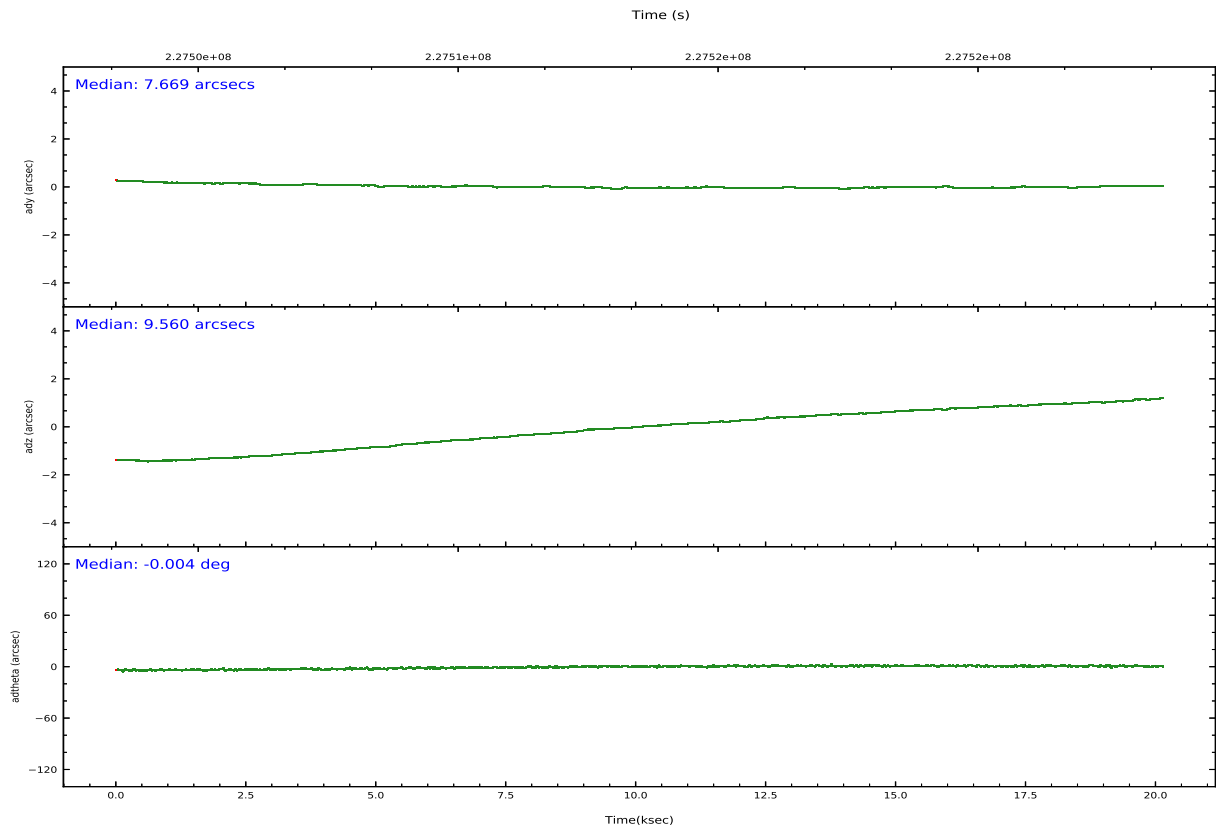
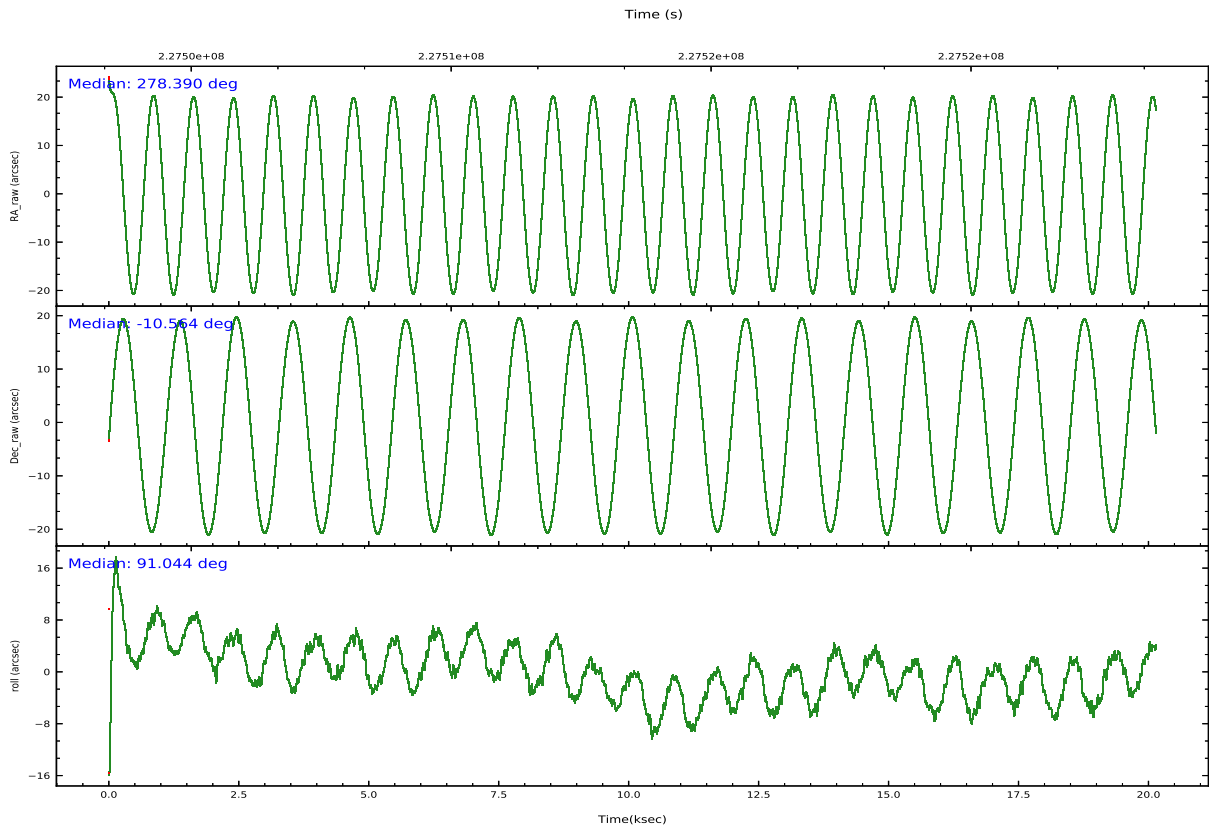
	segment 1	segment 2	segment 3
level 1 events	0	1090255	5
rejected events	0	61068	5
rejected %	0%	5%	100%

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	278.405854	278.39249895486			
[deg] Pointing Dec	-10.587589	-10.565965053907			
[deg] Pointing Roll	90.976743	91.044383095314			
[s] Window start time (MET)	225331264.184000	225331264.184000			
[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)	227503562.184000	227502479.59689			
Observation start date	2005-03-18T03:24:58	2005-03-18T03:07:59			
[s] Observation end time (MET)	227523562.184000	227524876.87291			
Observation end date	2005-03-18T08:58:18	2005-03-18T09:21:16			

2.3 Aspect





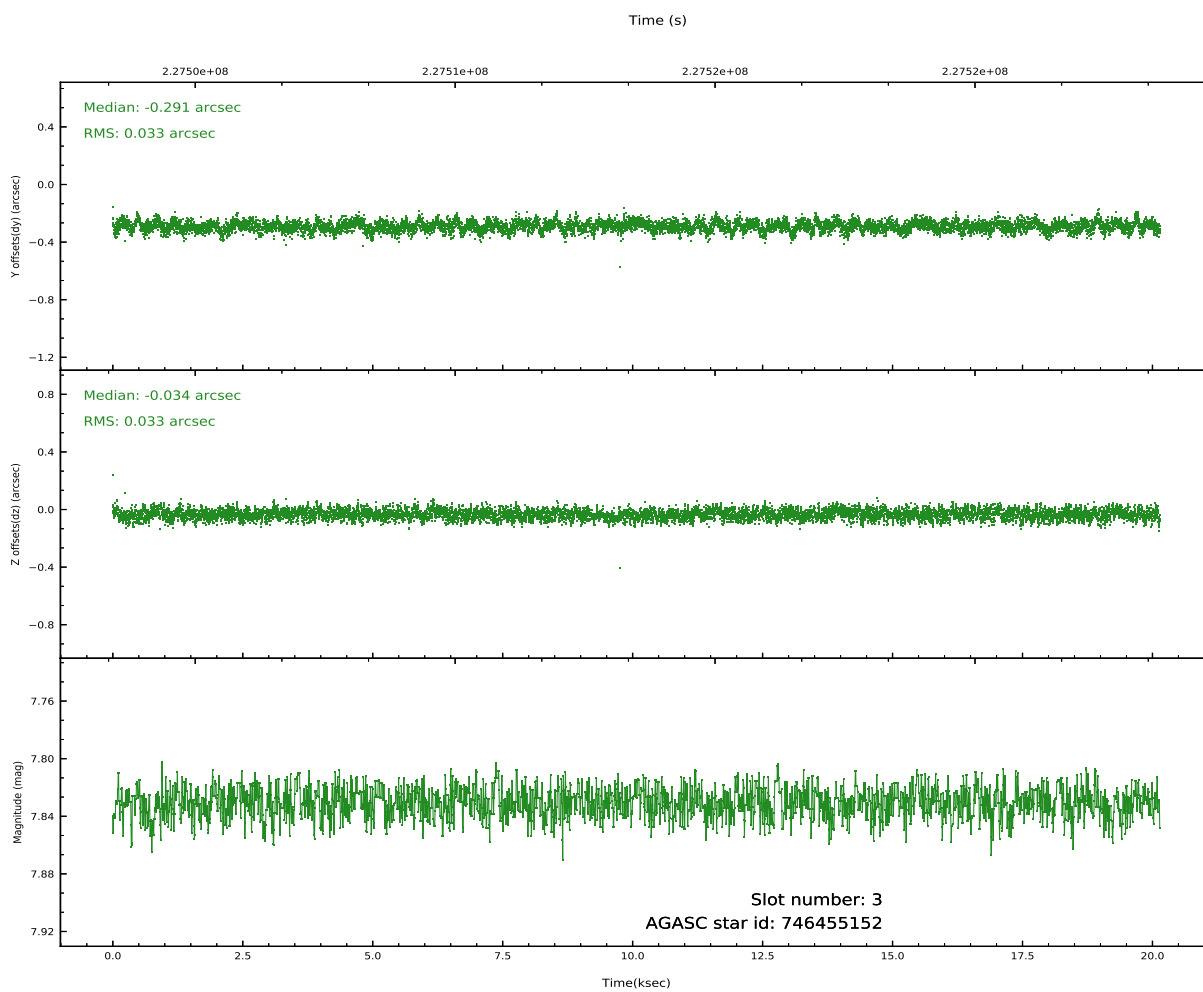
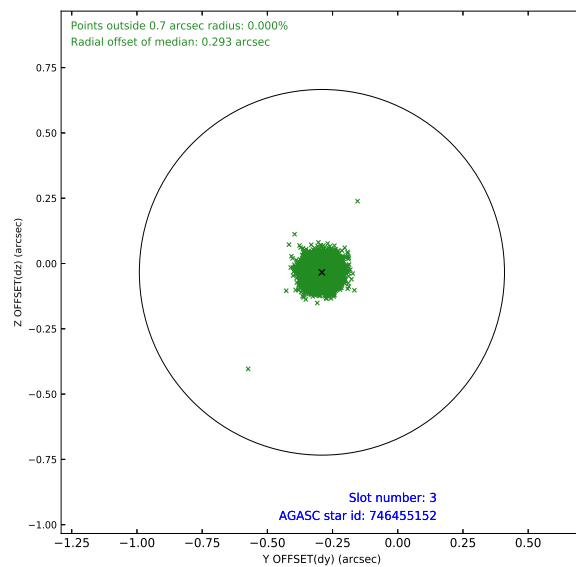
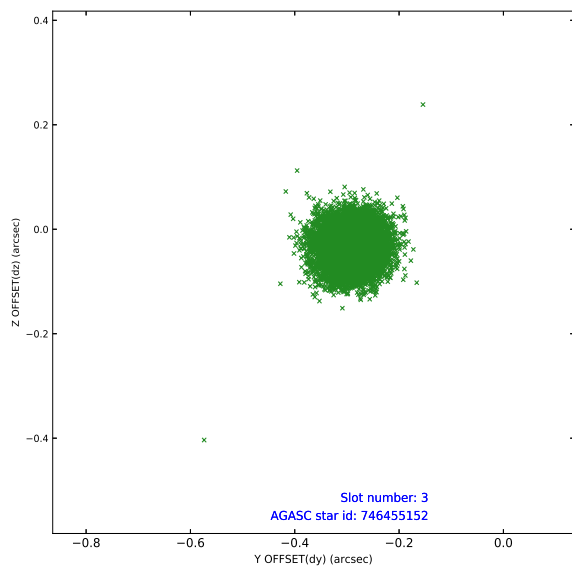
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	6.99	4914	1.000	0.109	-0.183	0.021	0.055	0.000000	0.000000	-1161.88	-458
1	FID		HRC-S-2	6.98	4914	1.000	0.194	-0.119	0.007	0.012	0.000000	0.000000	1237.65	-450
2	FID		HRC-S-3	7.00	4915	1.000	0.086	0.000	0.022	0.061	0.000000	0.000000	-1164.38	571
3	GUIDE	used	746455152	7.83	9827	1.000	-0.291	-0.034	0.049	0.079	278.447893	-9.976732	2196.05	-186
4	GUIDE	used	746460272	8.93	9824	1.000	-0.160	0.003	0.072	0.117	278.847488	-10.152127	1539.95	-1591
5	GUIDE	used	746462392	8.54	9823	1.000	0.120	0.100	0.085	0.134	279.038421	-10.890715	-1132.09	-2217
6	GUIDE	used	746462456	8.39	9827	1.000	0.114	-0.123	0.066	0.110	278.652171	-10.530173	190.94	-875
7	GUIDE	used	746462680	9.01	9822	1.000	0.218	0.055	0.079	0.129	278.660755	-10.782756	-717.81	-889

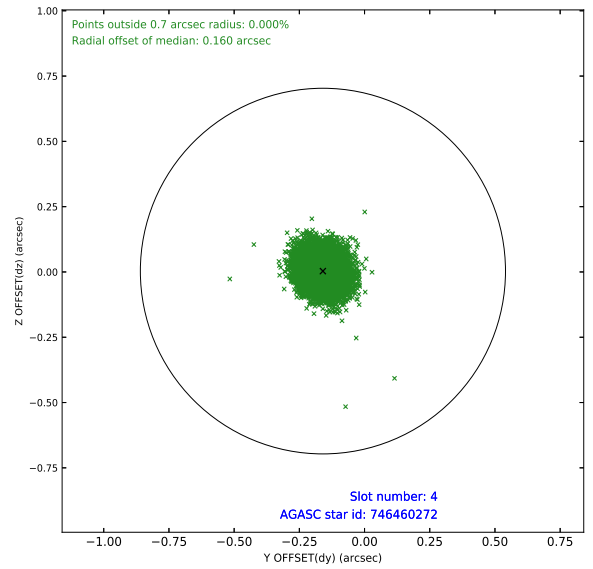
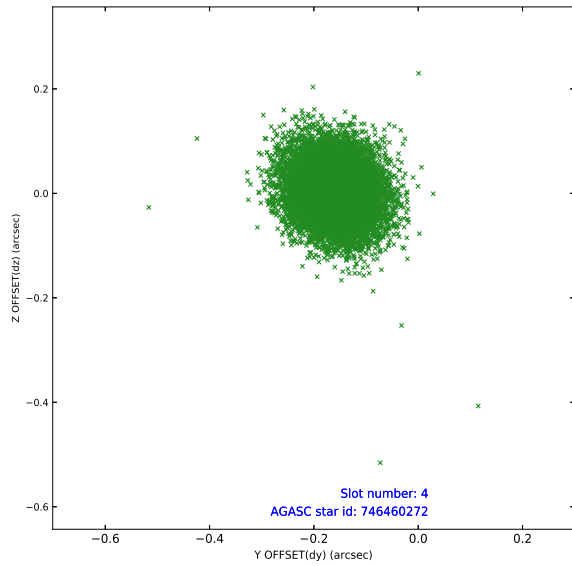
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2.4 Star Slots

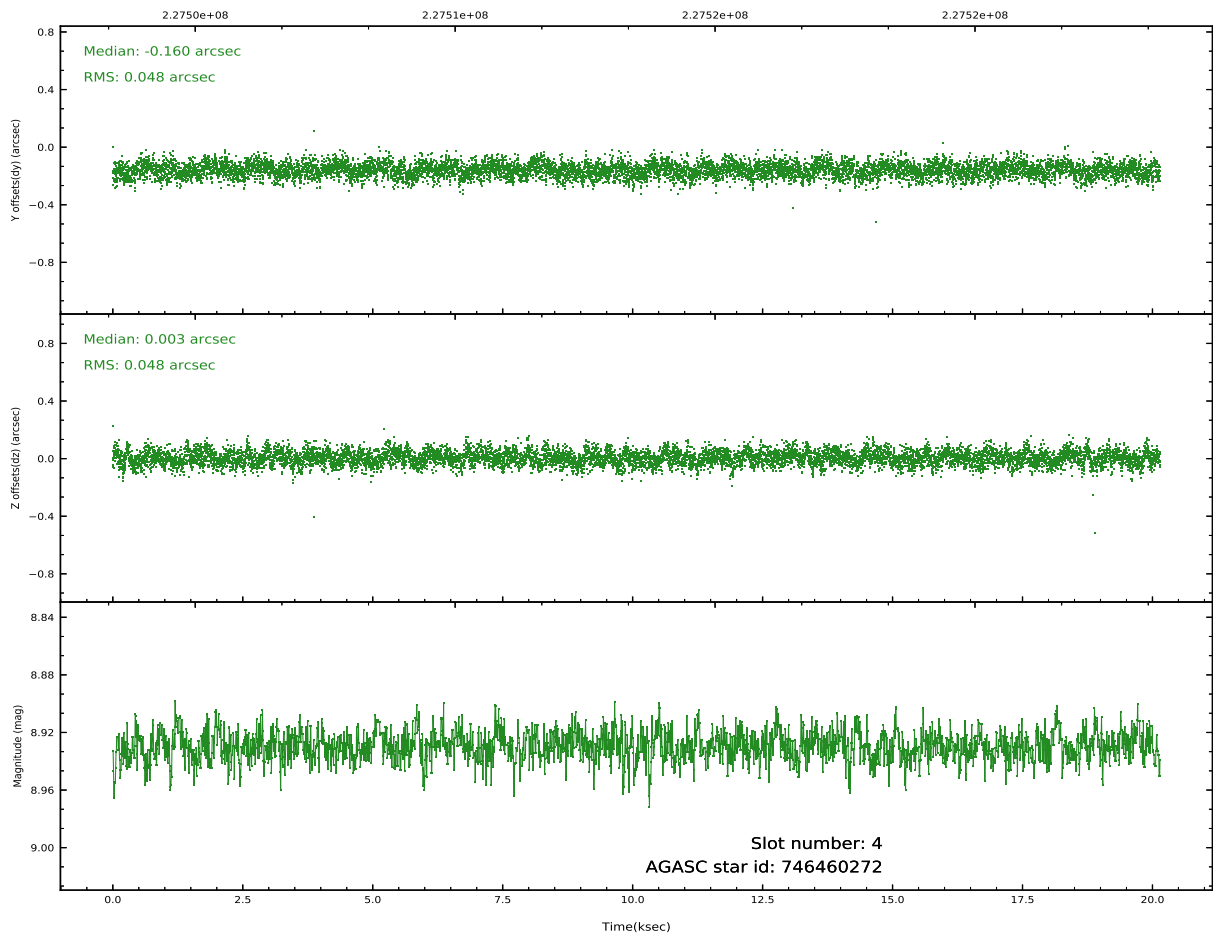
2.4.1 Slot 3



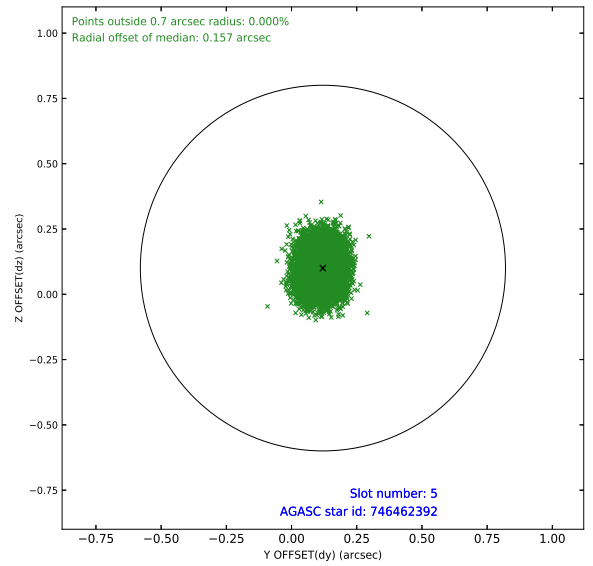
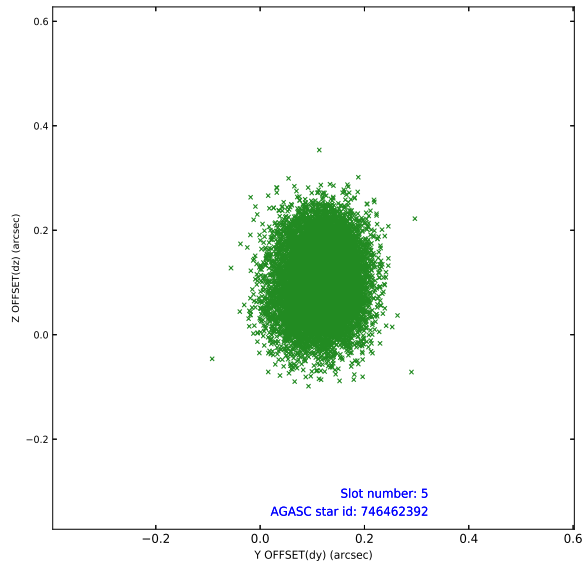
2.4.2 Slot 4



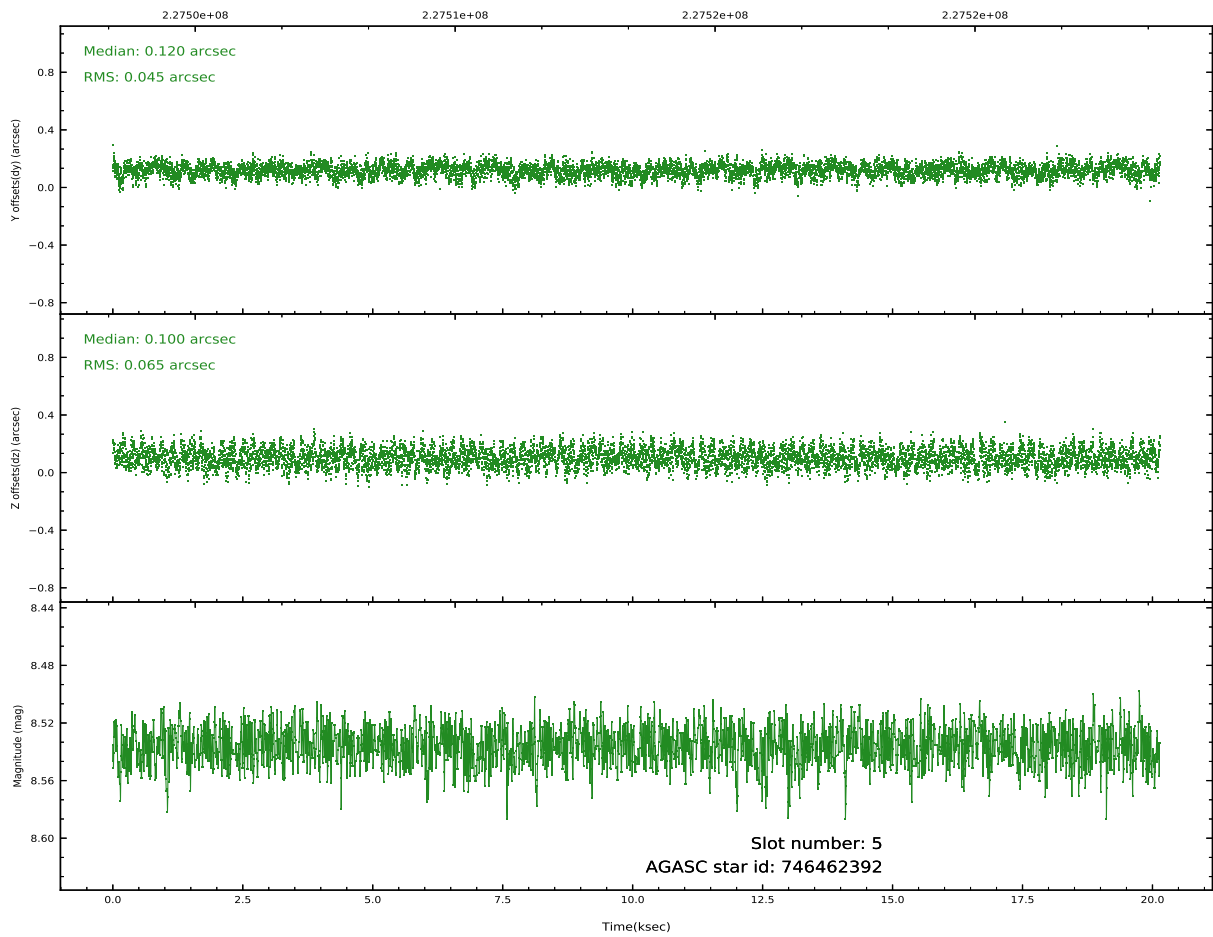
Time (s)



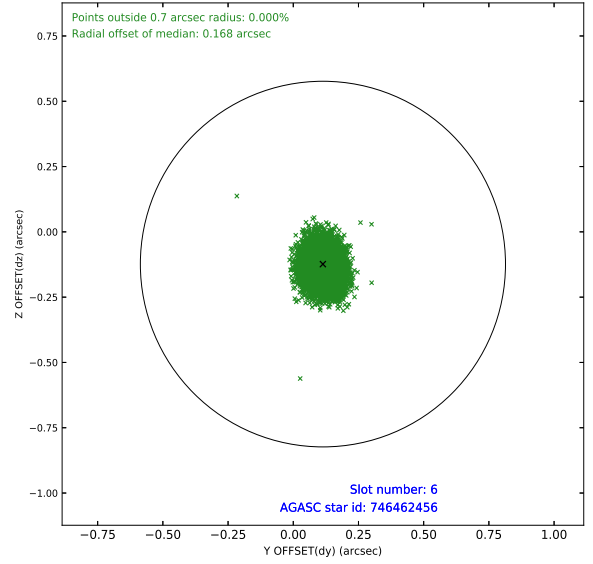
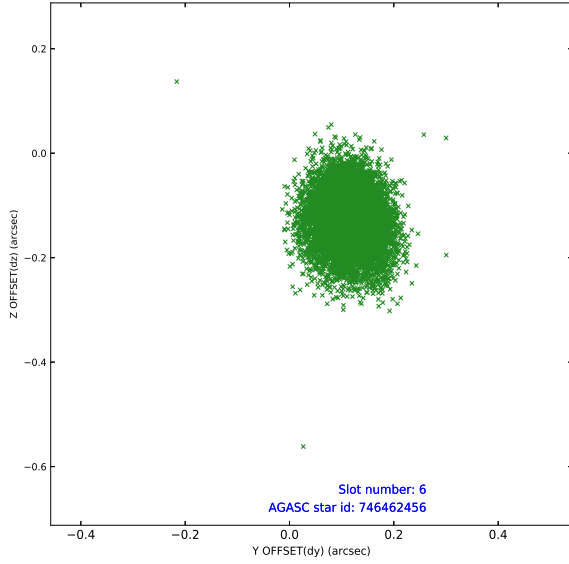
2.4.3 Slot 5



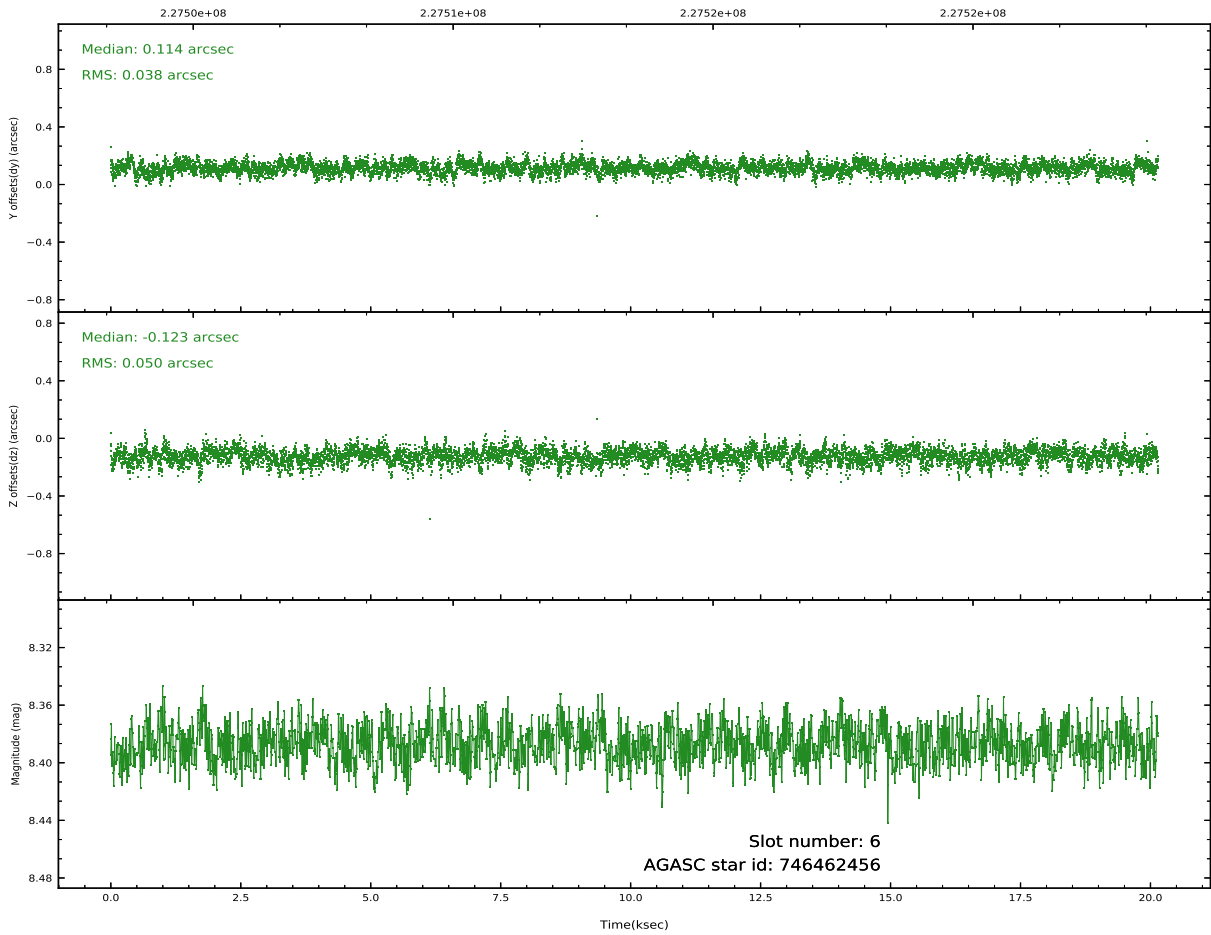
Time (s)



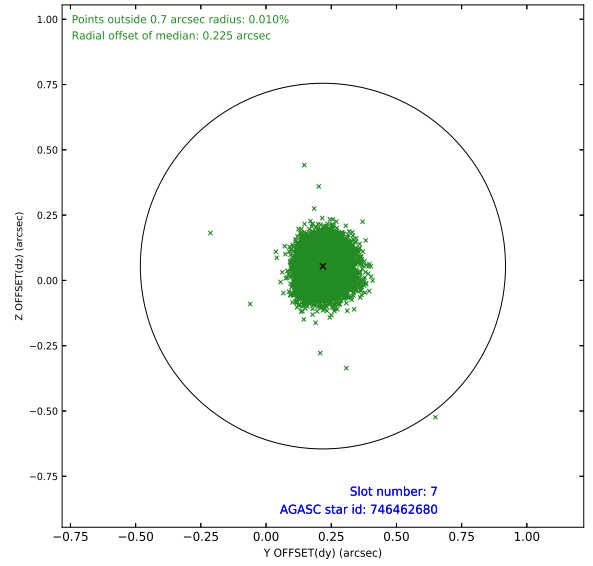
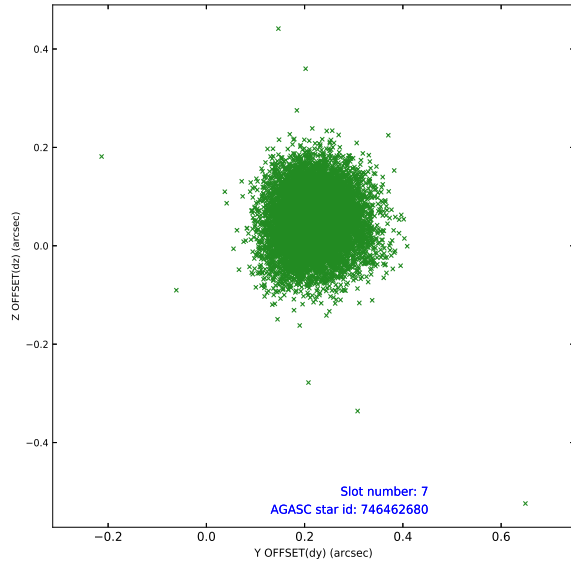
2.4.4 Slot 6



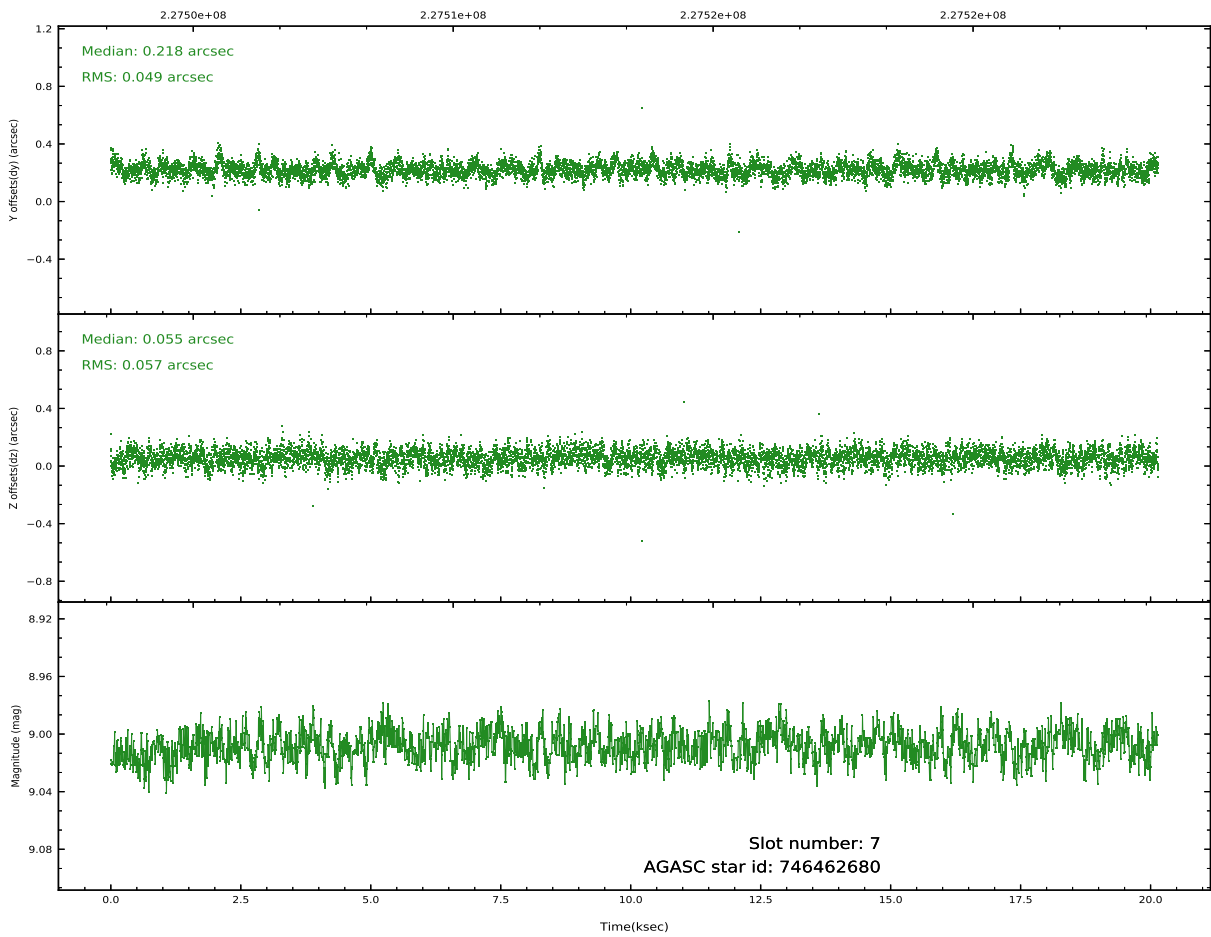
Time (s)



2.4.5 Slot 7

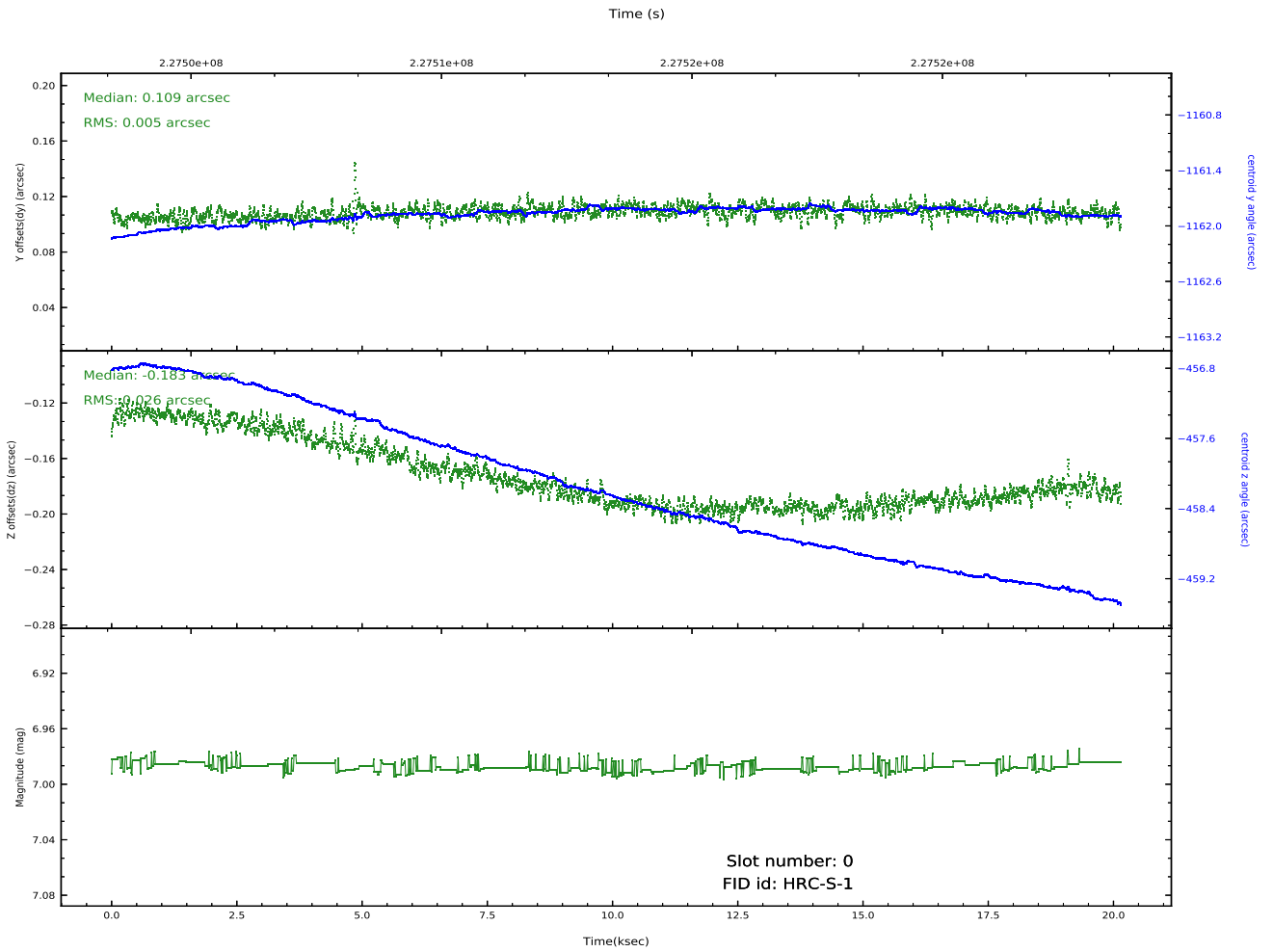
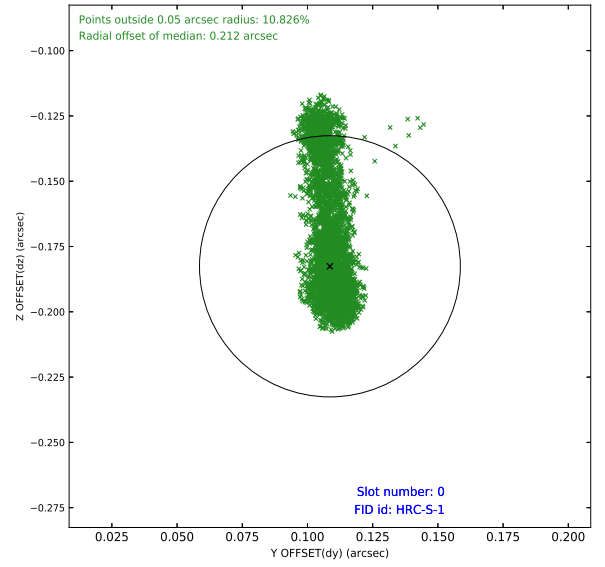
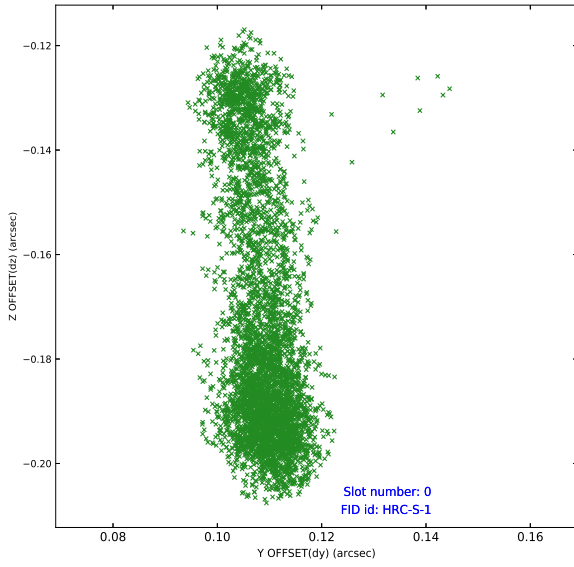


Time (s)

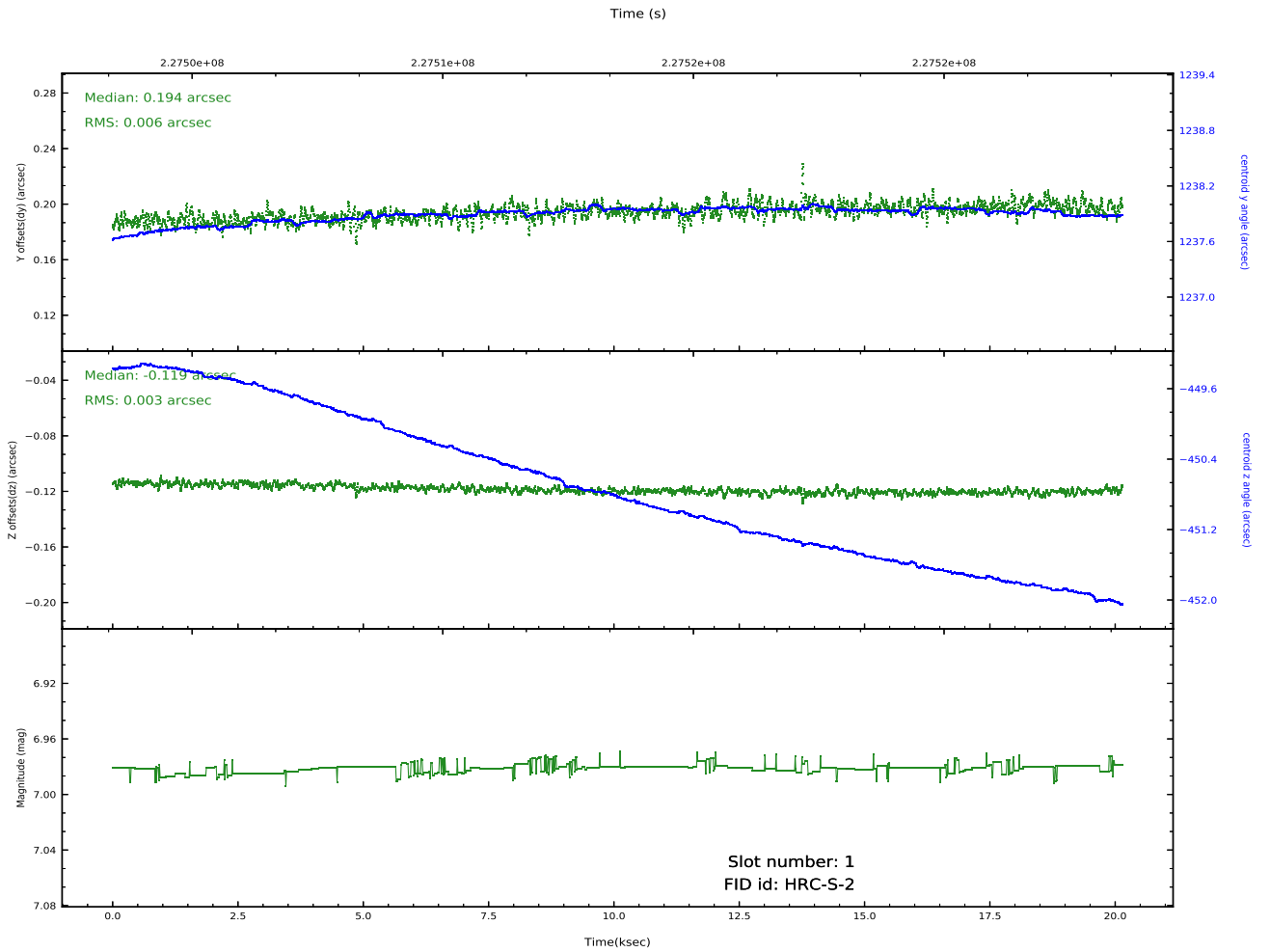
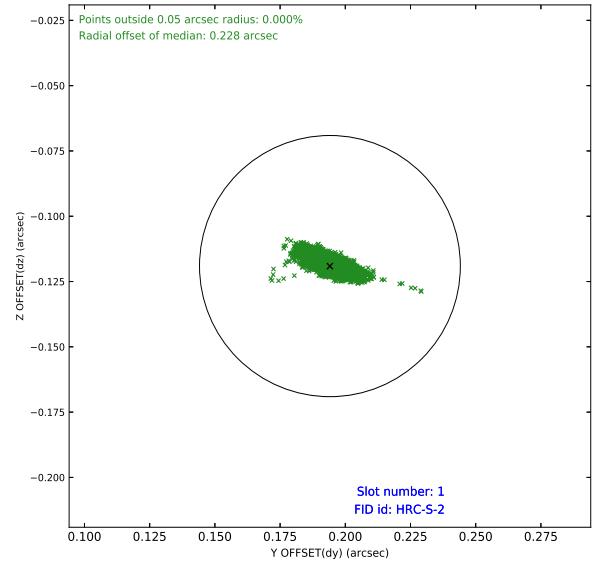
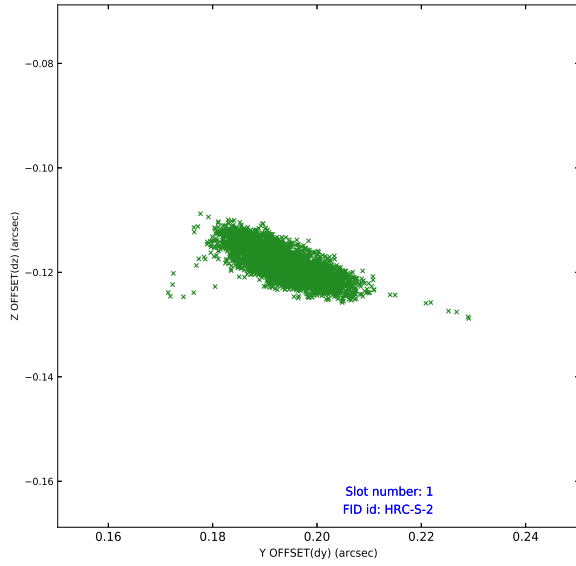


2.5 FID Slots

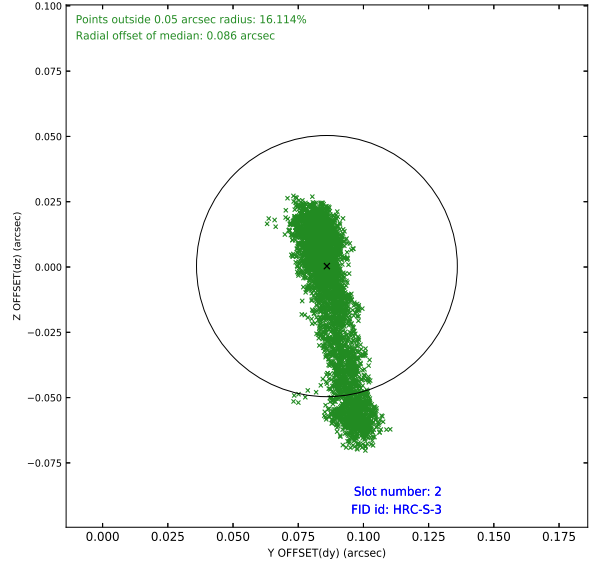
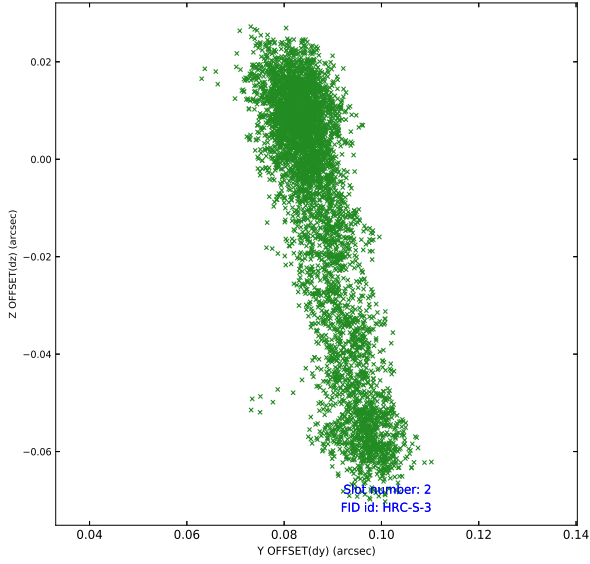
2.5.1 Slot 0



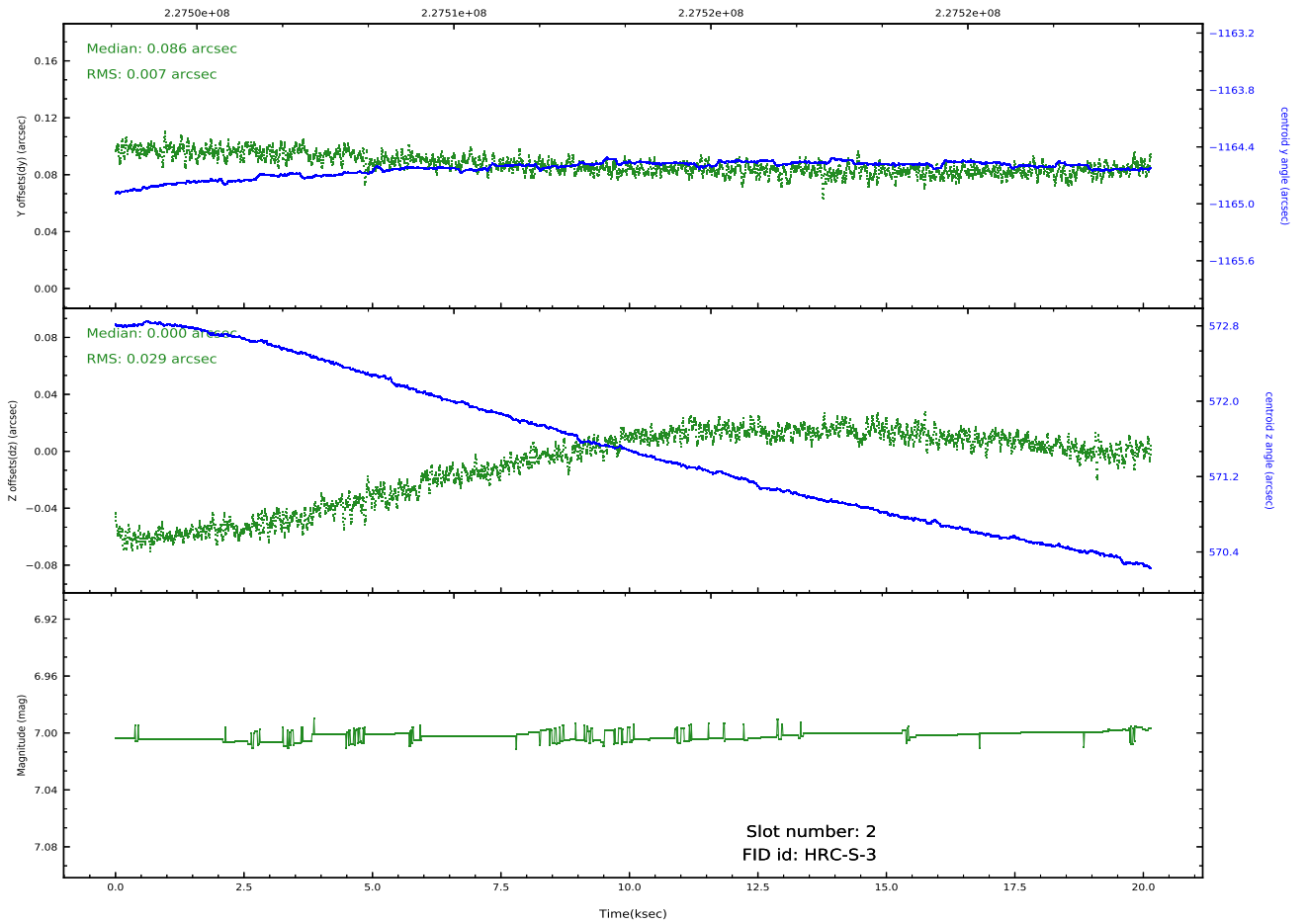
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.14663

A.2 Comments

Window preference met.