

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20166 - L2 Version 2
Chandra X-Ray Center

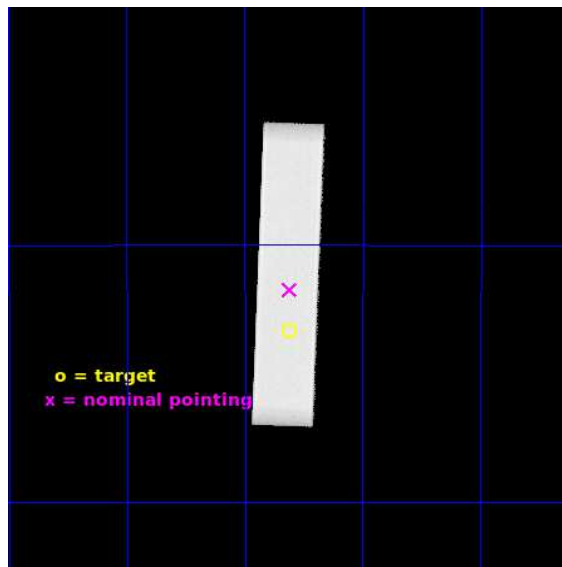
L2 Processing Date : Oct 26 2020

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

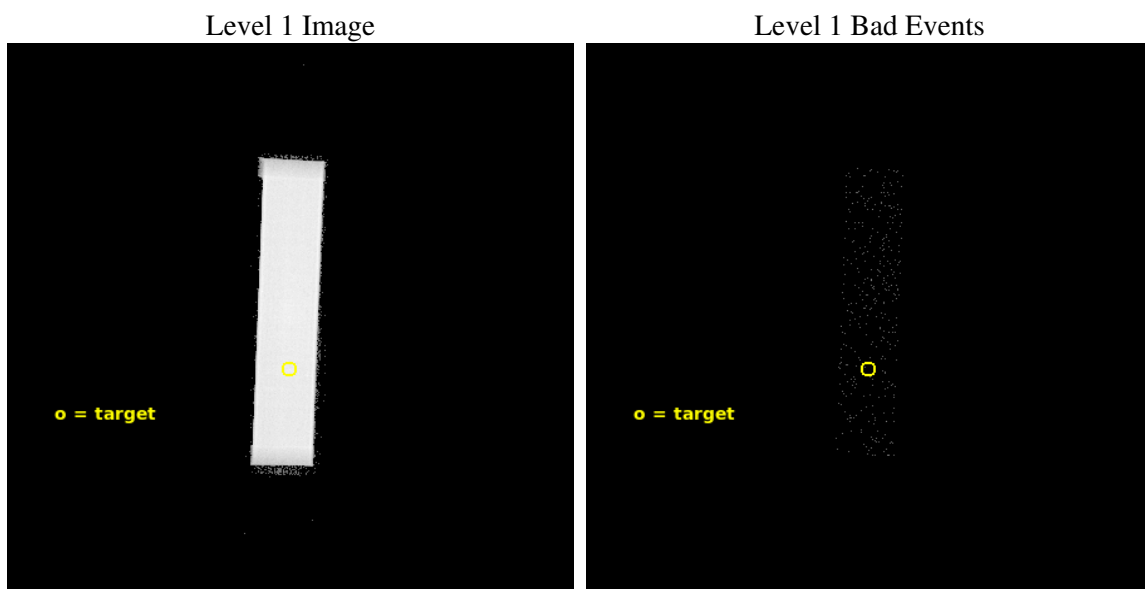
seq_num	201183	Sequence number
obs_id	20166	Observation id
title	THE EXTREME ULTRAVIOLET FLUX OF VERY LOW MASS STARS	Proposal title
observer	Jeremy Drake	Principal investigator
object	LHS 3003	Source name
ra_targ	224.156852	Observer's specified target RA [deg]
dec_targ	-28.167459	Observer's specified target Dec [deg]
ra_nom	224.15425051613	Nominal RA [deg]
dec_nom	-28.086942497846	Nominal Dec [deg]
roll_nom	272.05900915635	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20158.676192641	[s]
livetime	19993.051597104	Ontime multiplied by DTCOR
l2events	1229522	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	10.9.2	Processing system revision	ontime	20158.676192641	[s]
caldsver	4.9.3	 	l1events	1524596	Number of level 1 events
date	2020-10-26T07:30:29	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

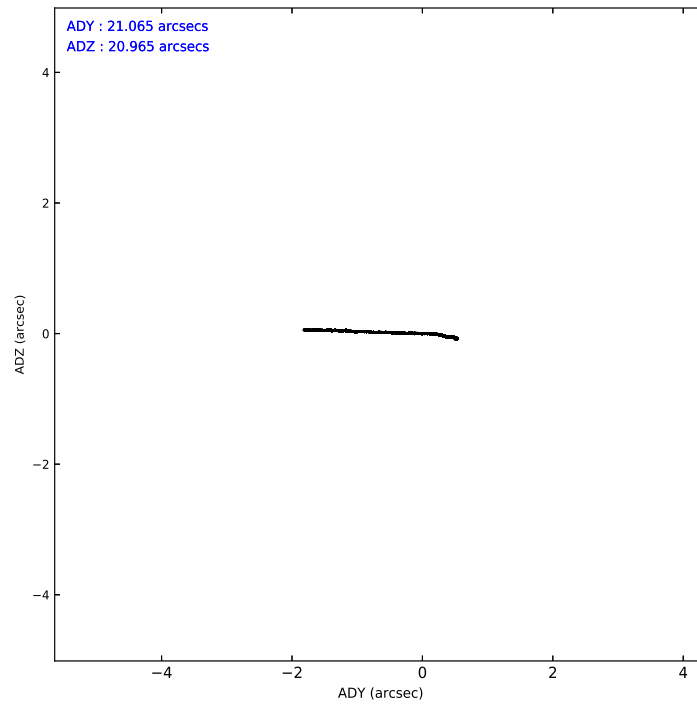
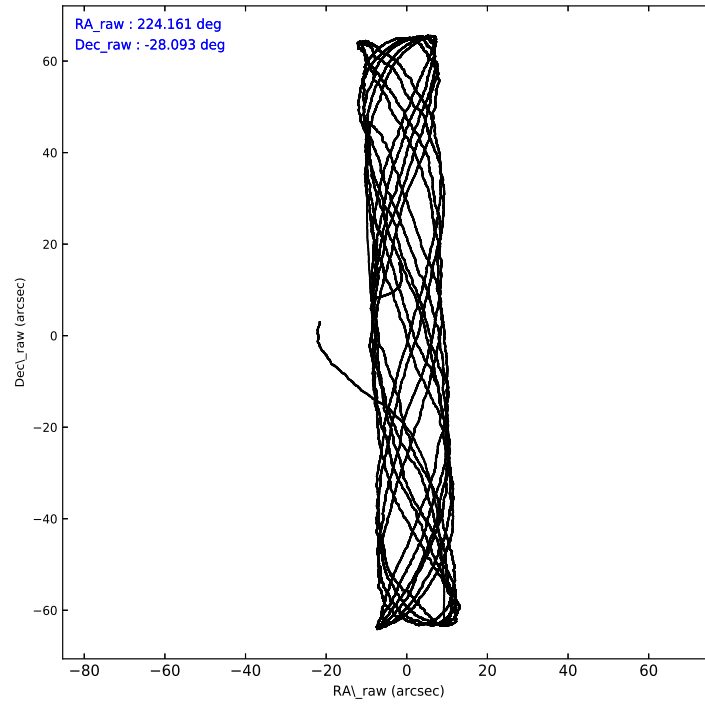
	segment 1	segment 2	segment 3
level 1 events	4	1524590	2
rejected events	4	69131	2
rejected %	100%	4%	100%

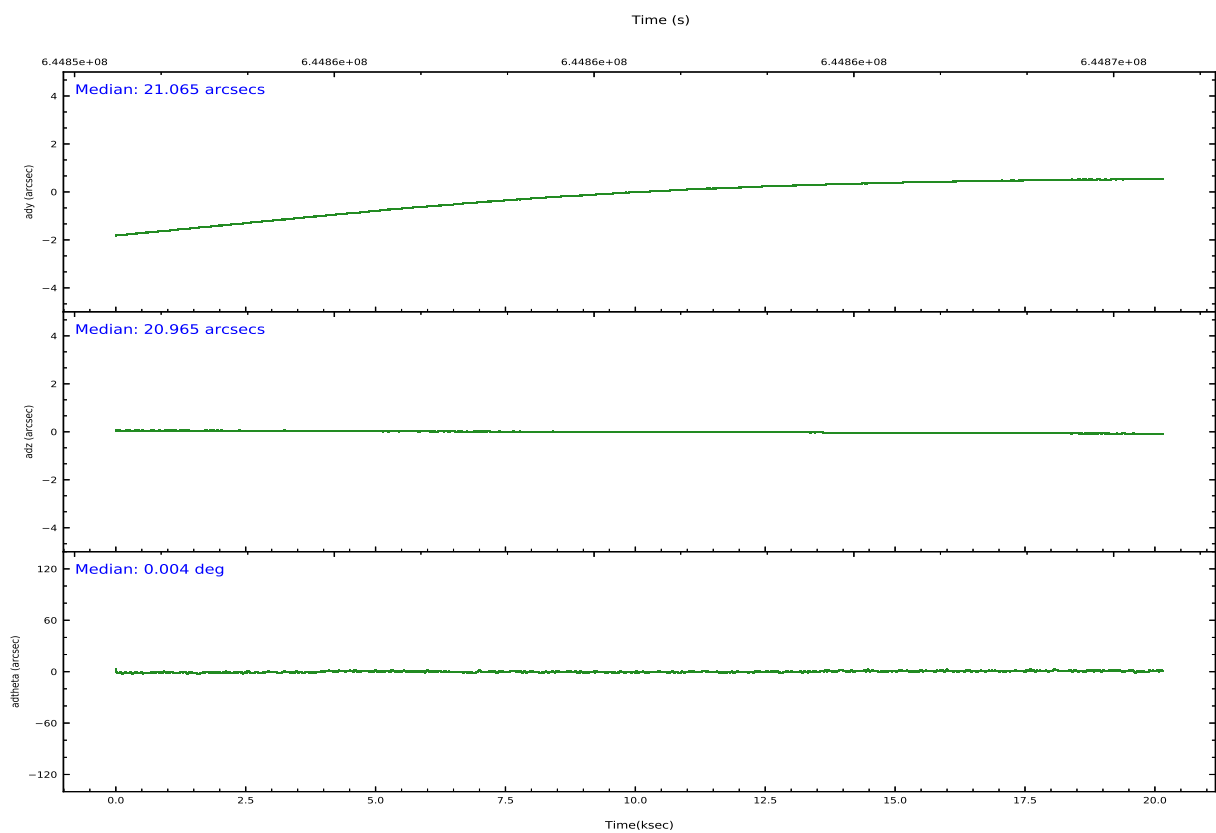
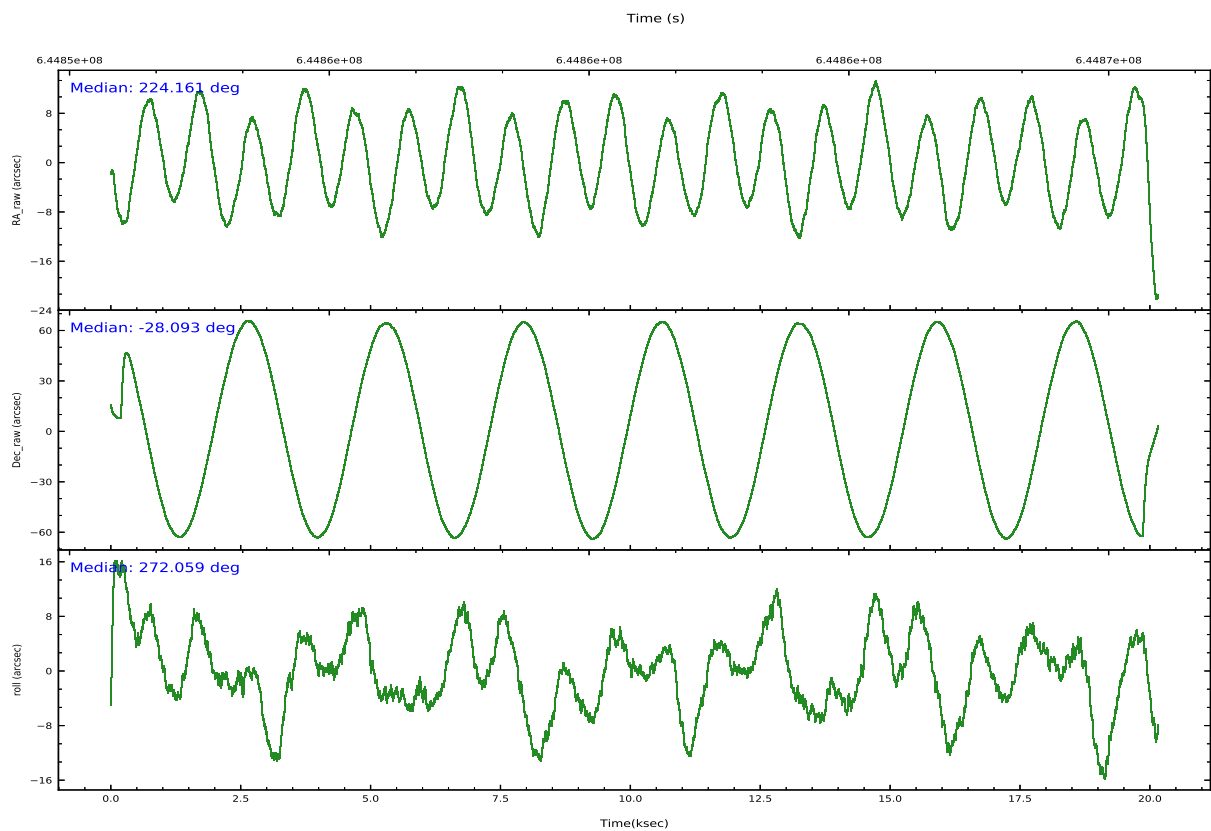
2.2 Compared Parameters

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	224.142671	224.15425051613
[deg] Pointing Dec	-28.068879	-28.086942497846
[deg] Pointing Roll	271.993336	272.05900915635
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	644850953.184000	644849880.77247
Observation start date	2018-06-08T13:14:44	2018-06-08T12:58:00
[s] Observation end time (MET)	644870953.184000	644871683.5487601
Observation end date	2018-06-08T18:48:04	2018-06-08T19:01:23

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

2.3 Aspect



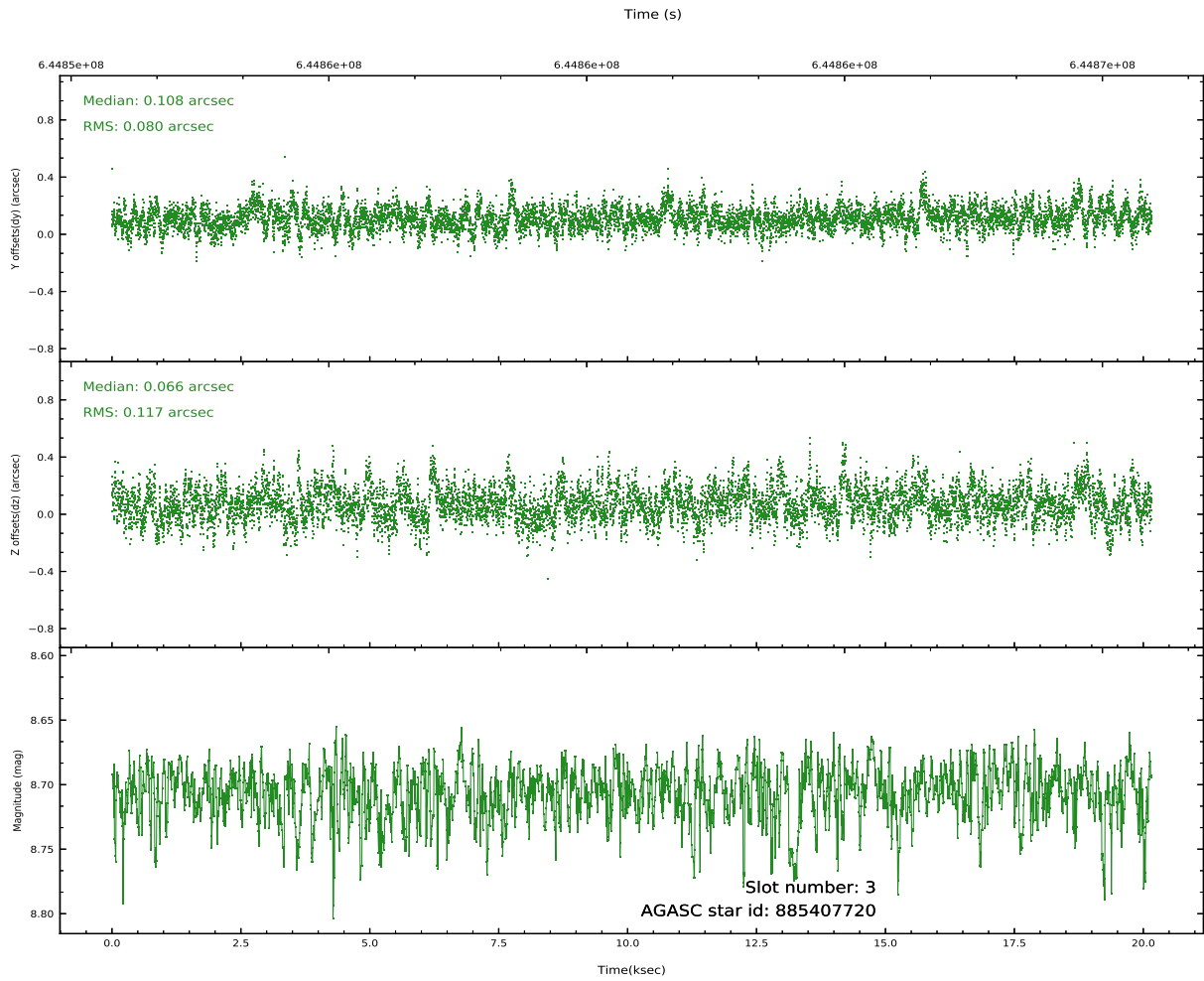
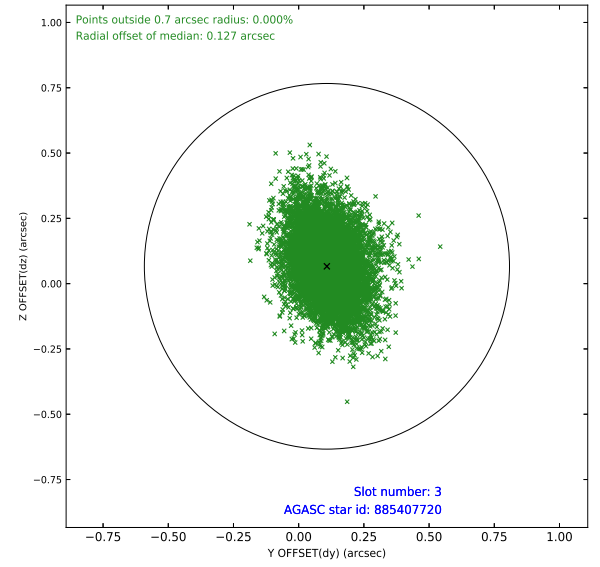
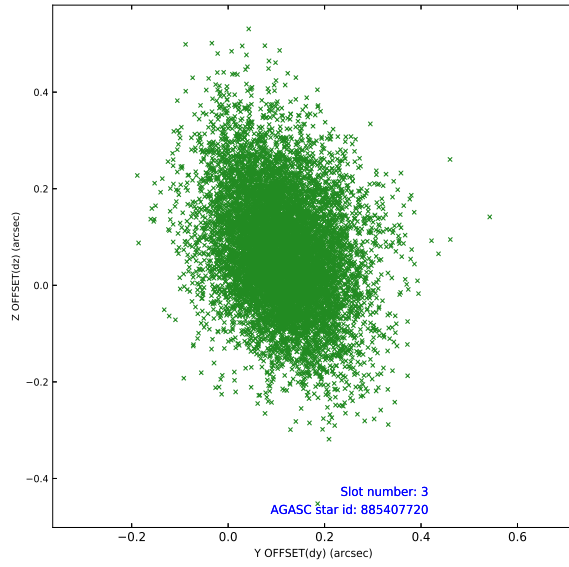


Slot Statistics

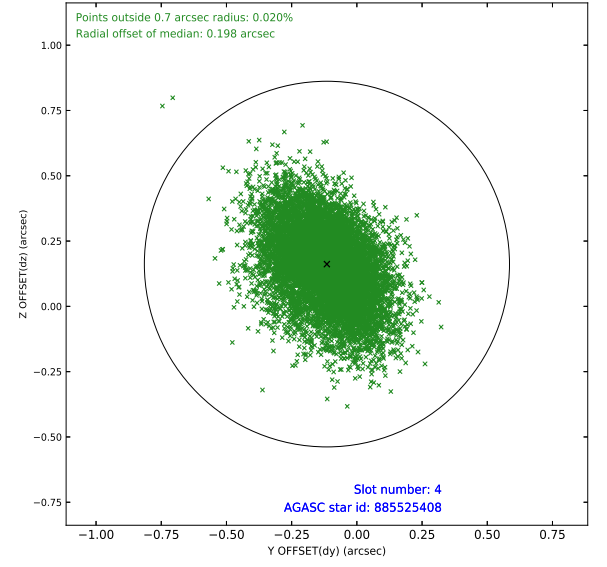
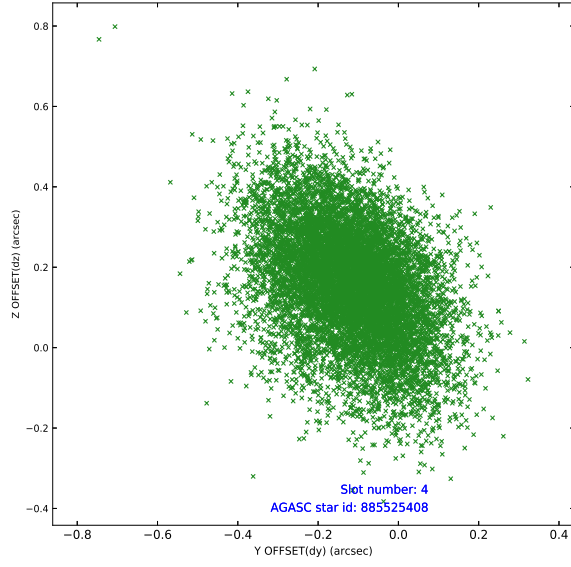
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.06	4917	1.000	0.094	-0.169	0.013	0.021	0.000000	0.000000	-1175.42	-469
1	FID		HRC-S-2	7.02	4917	1.000	0.316	-0.164	0.026	0.073	0.000000	0.000000	1224.21	-462
2	FID		HRC-S-3	7.04	4917	1.000	-0.020	0.027	0.027	0.066	0.000000	0.000000	-1177.85	559
3	GUIDE	used	885407720	8.70	9828	1.000	0.108	0.066	0.146	0.258	223.420654	-27.760348	-1183.20	-2260
4	GUIDE	used	885525408	9.18	9816	1.000	-0.115	0.162	0.193	0.332	224.776738	-27.654446	-1416.20	2072
5	GUIDE	used	885922176	7.33	9827	1.000	0.073	-0.027	0.148	0.249	223.444856	-28.405668	1141.32	-2250
6	GUIDE	used	886048216	9.29	9817	1.000	-0.046	-0.146	0.177	0.293	224.470107	-28.565626	1824.36	972
7	GUIDE	used	886055200	9.11	9823	1.000	-0.022	-0.049	0.181	0.290	224.488532	-28.728409	2412.25	1009

2.4 Star Slots

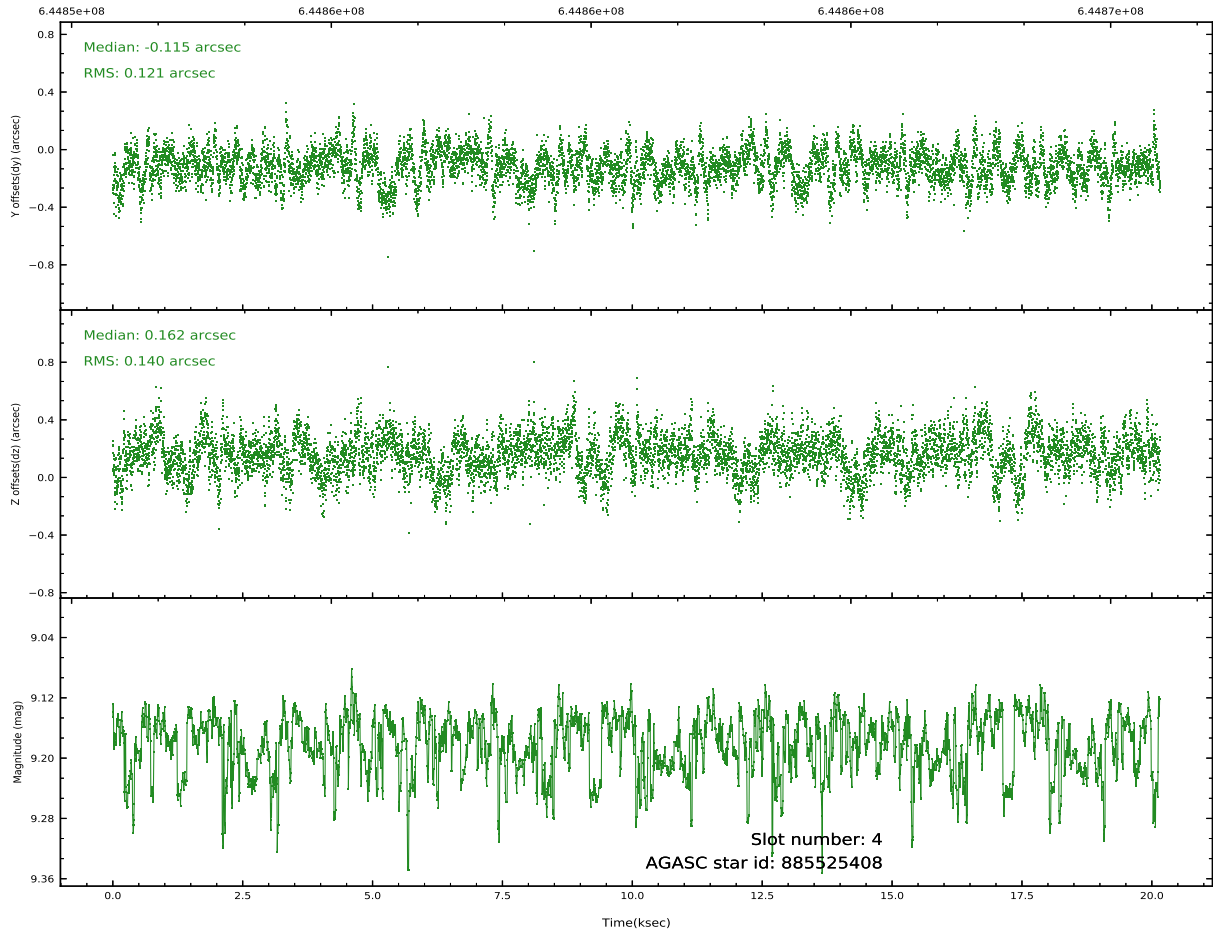
2.4.1 Slot 3



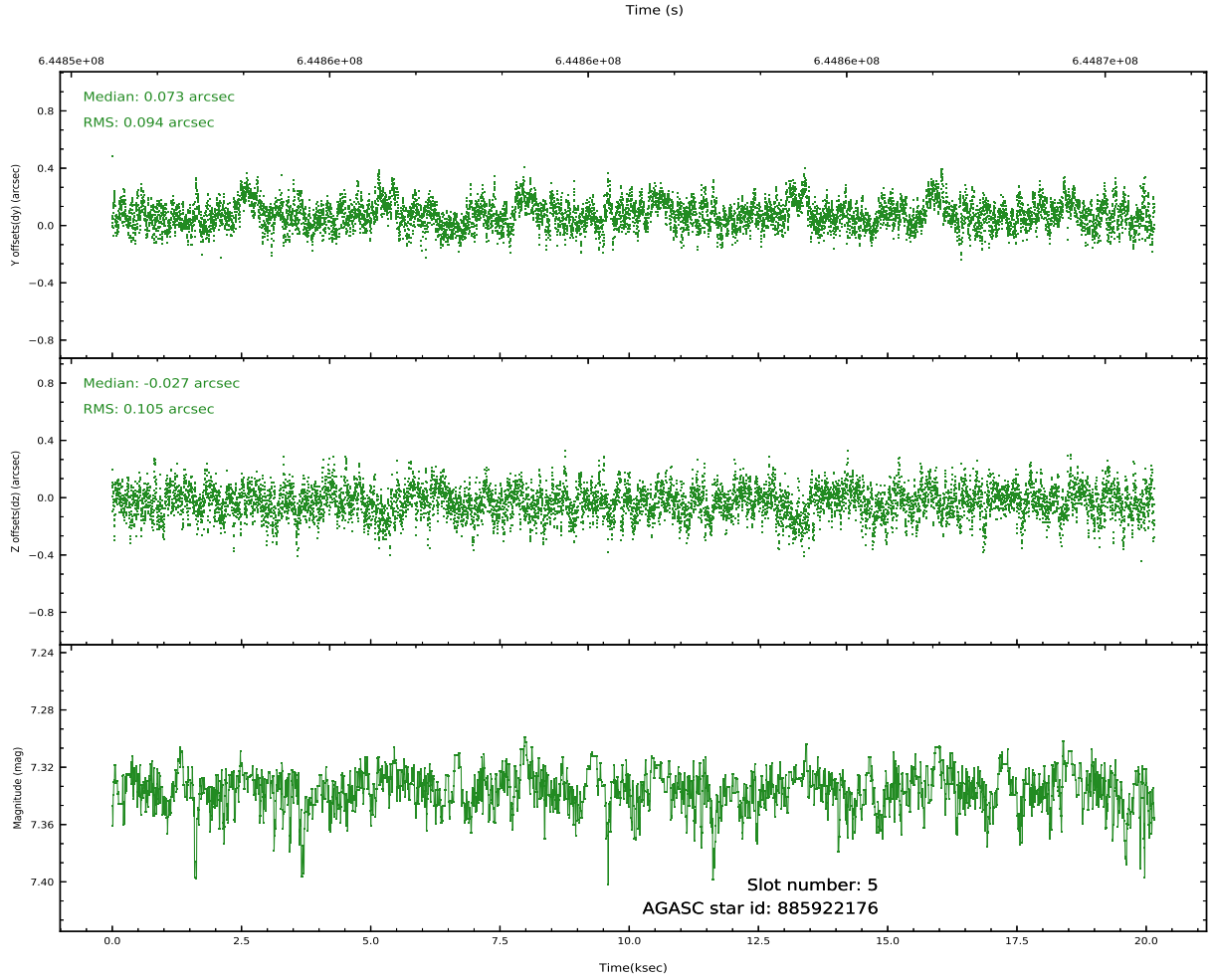
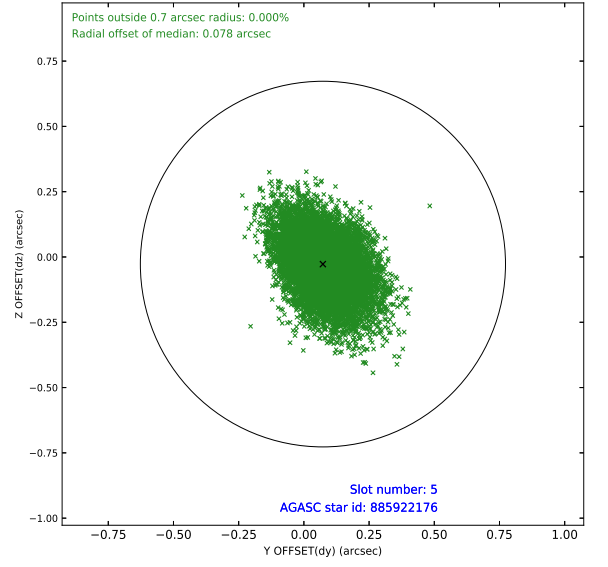
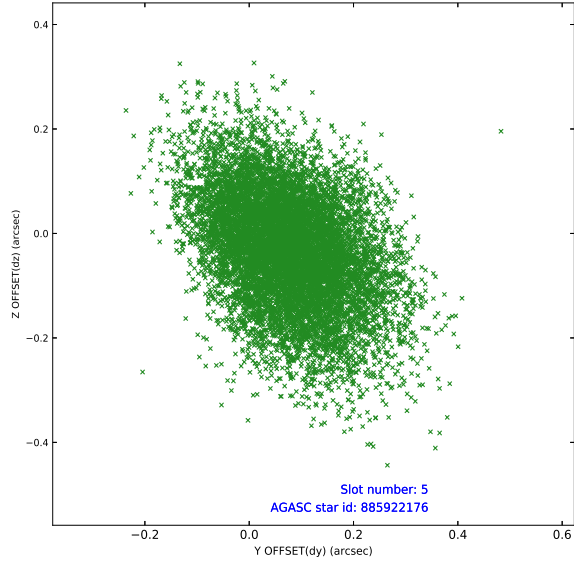
2.4.2 Slot 4



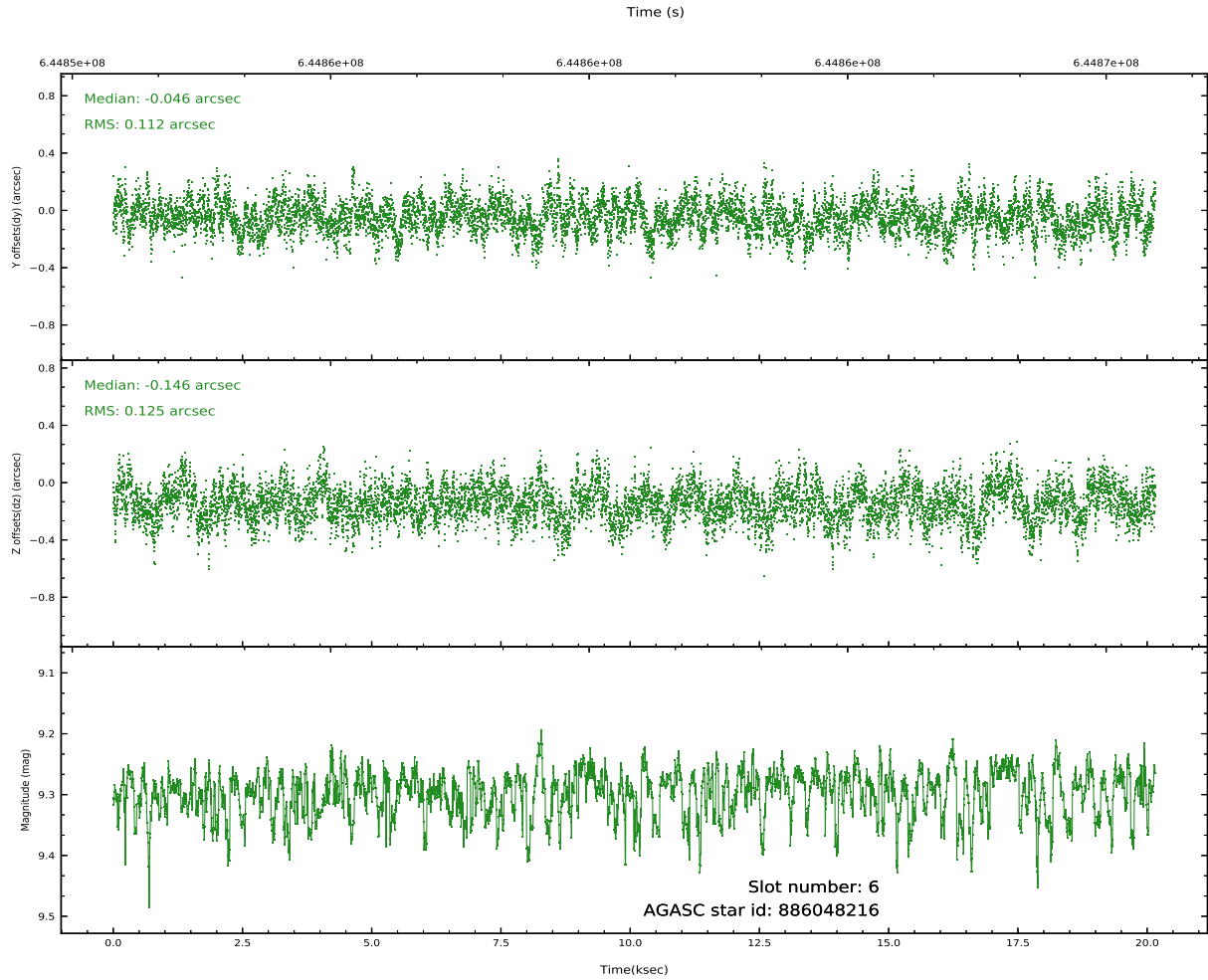
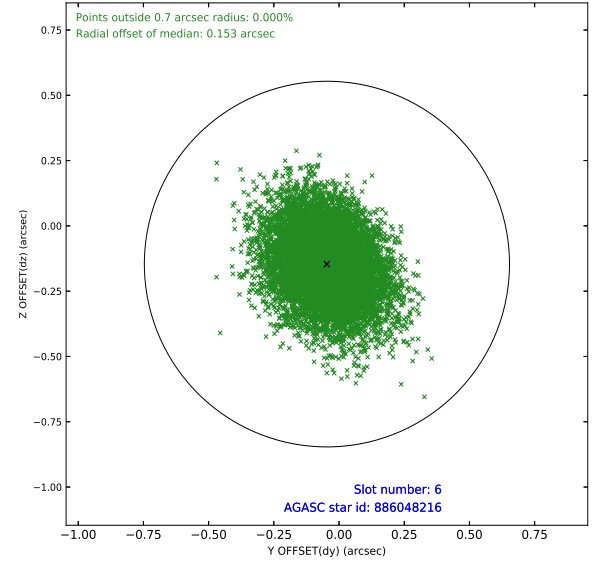
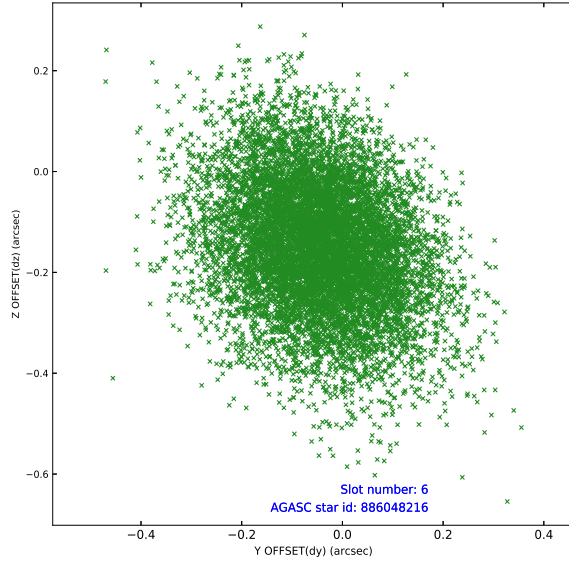
Time (s)



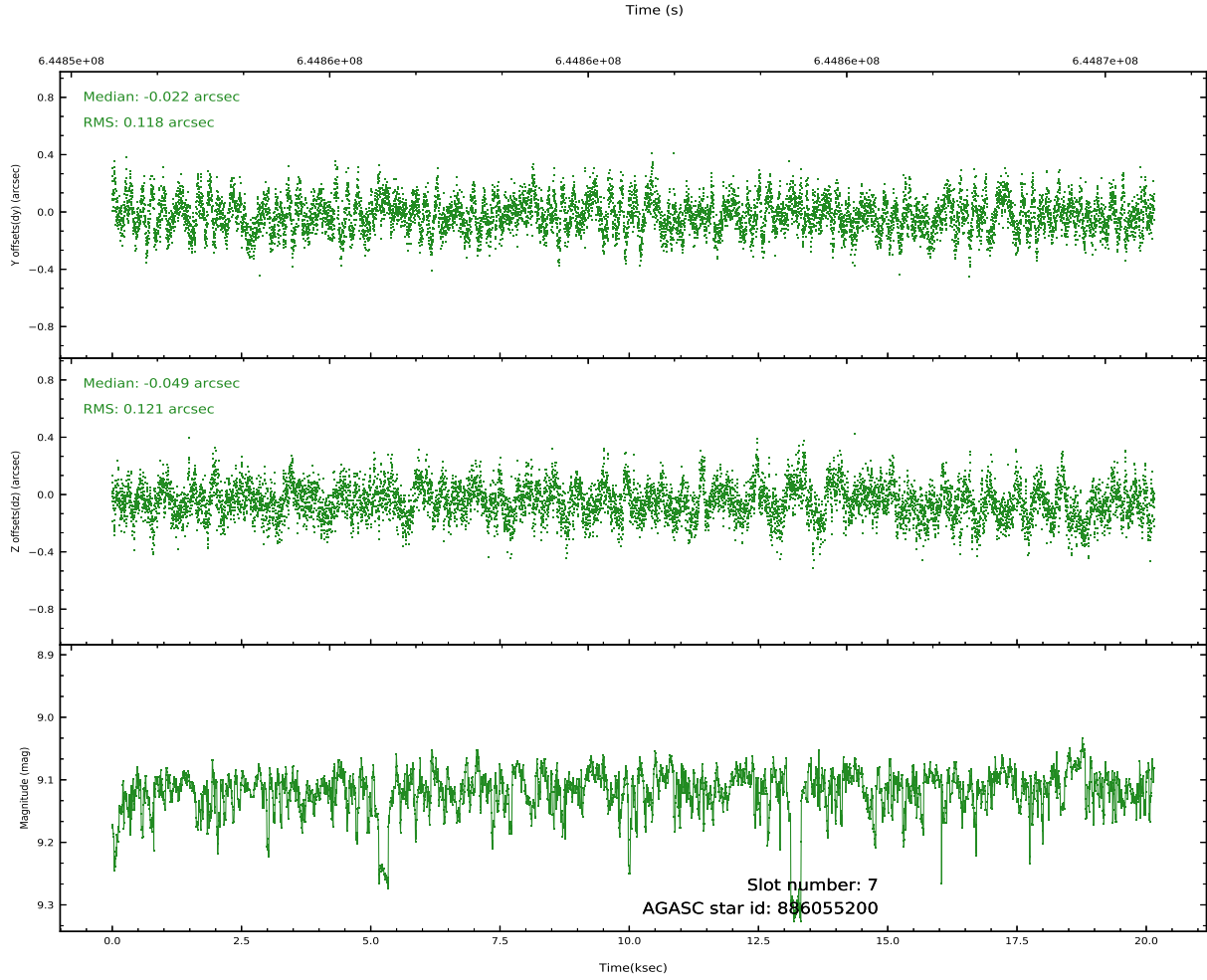
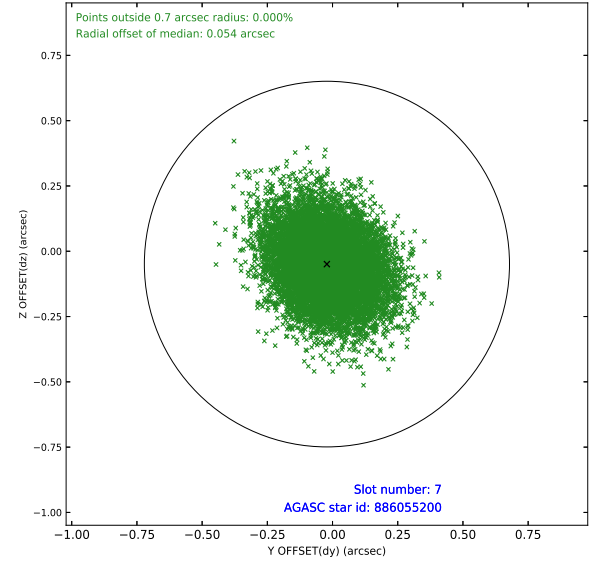
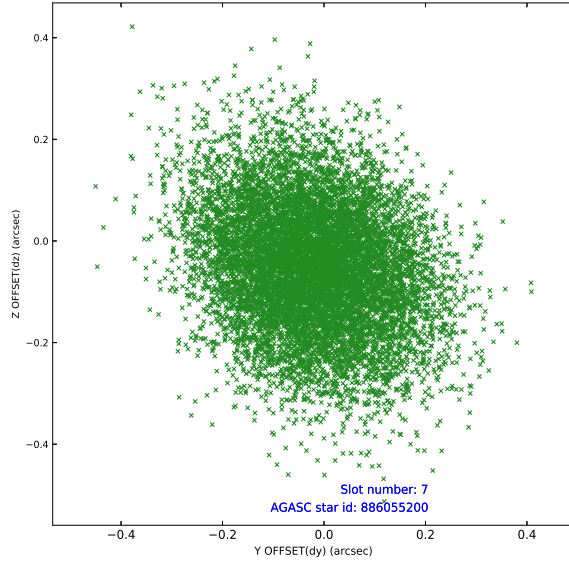
2.4.3 Slot 5



2.4.4 Slot 6

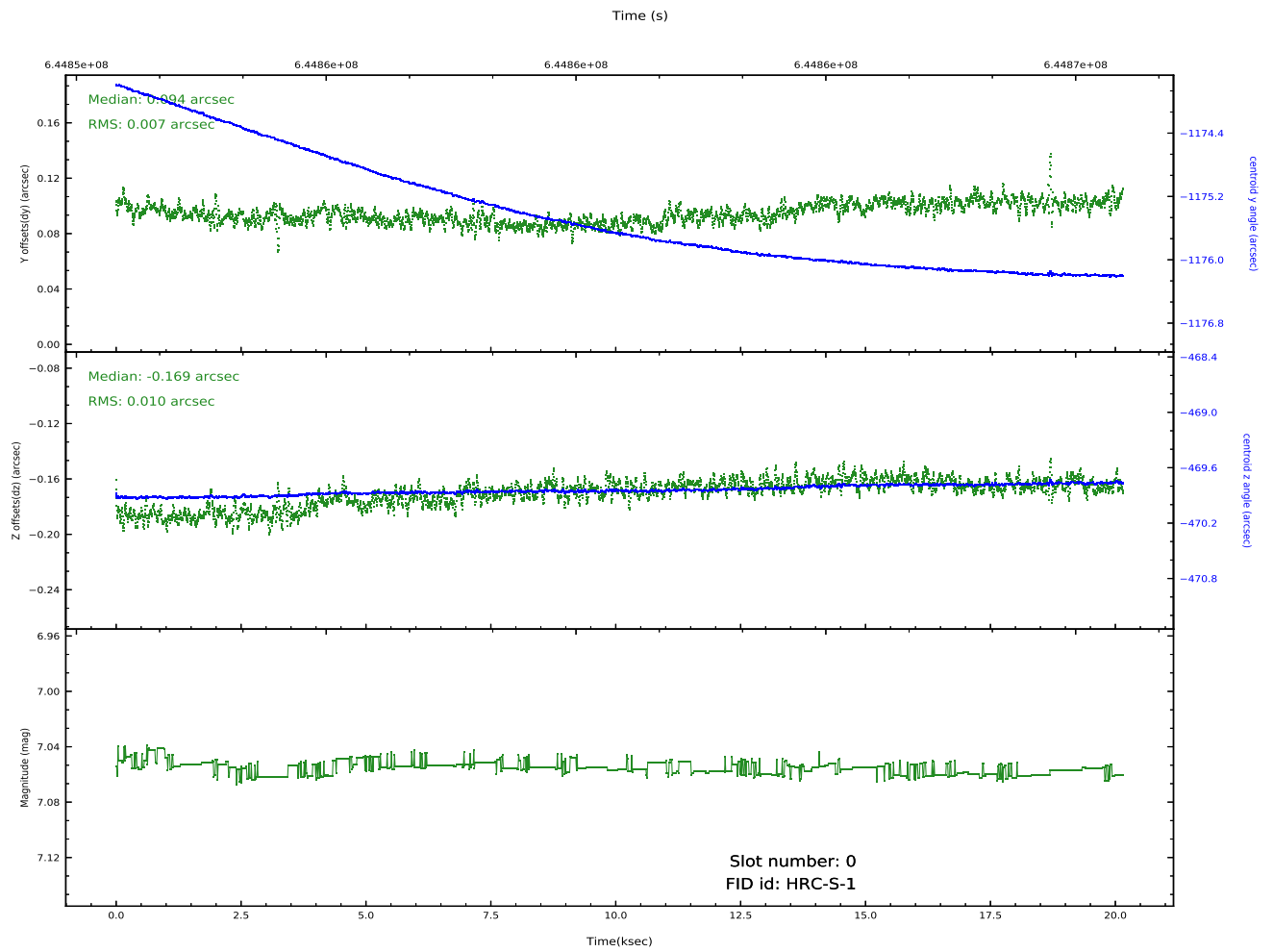
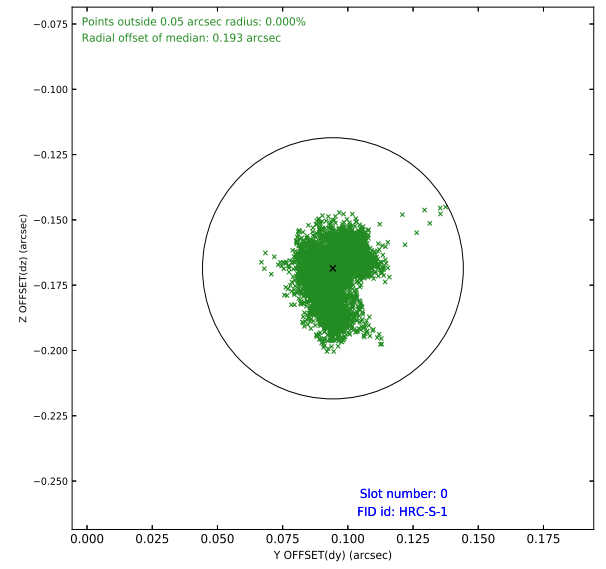
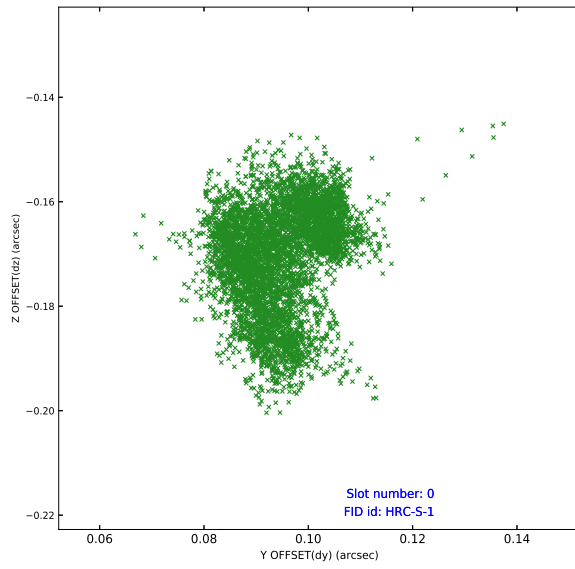


2.4.5 Slot 7

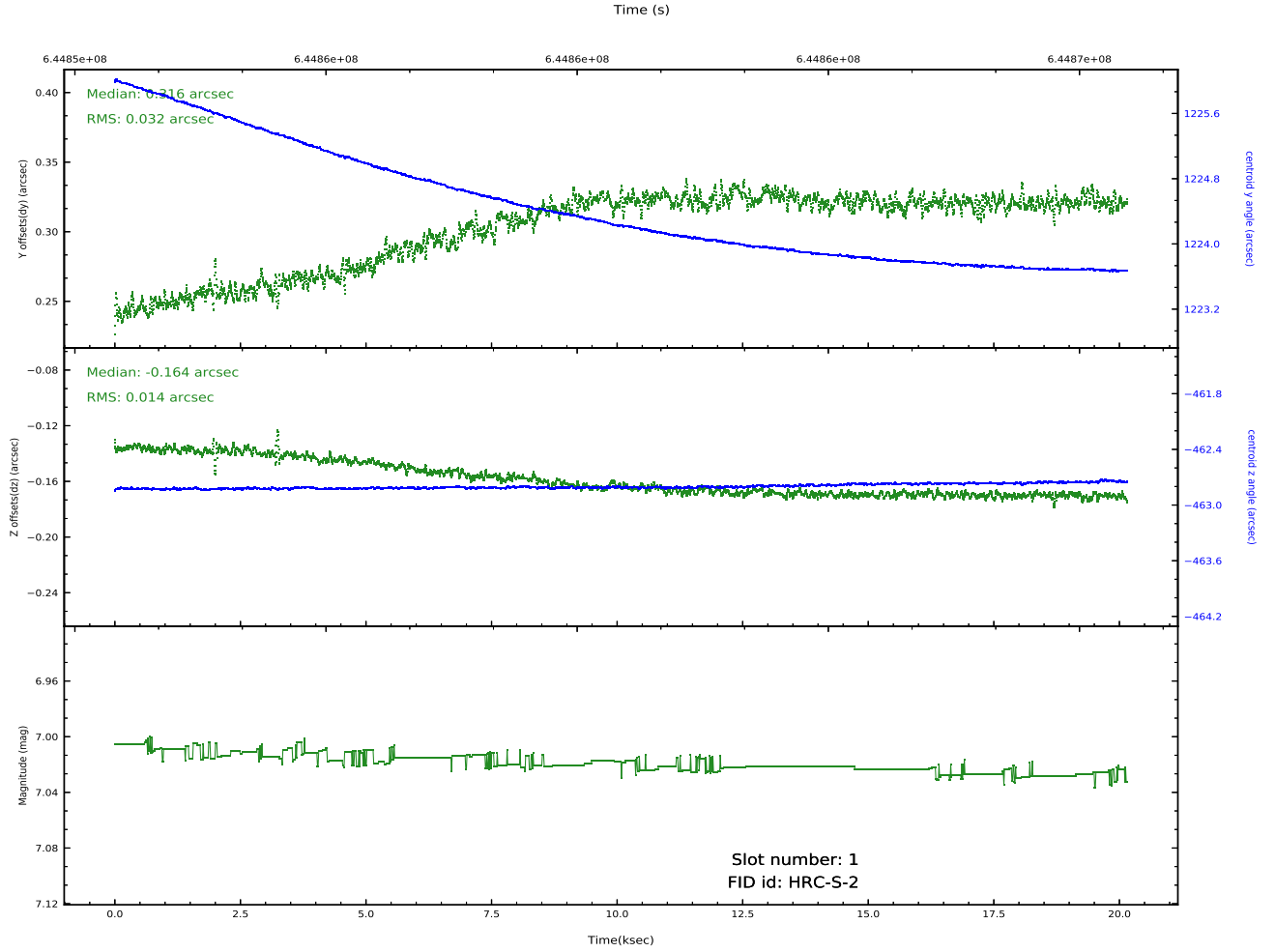
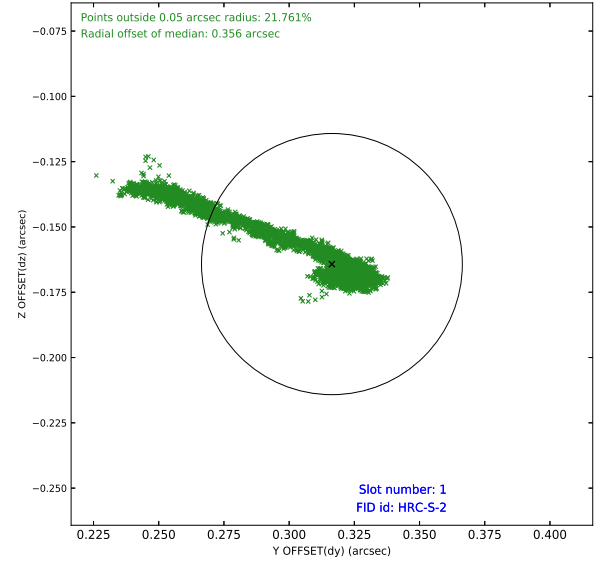
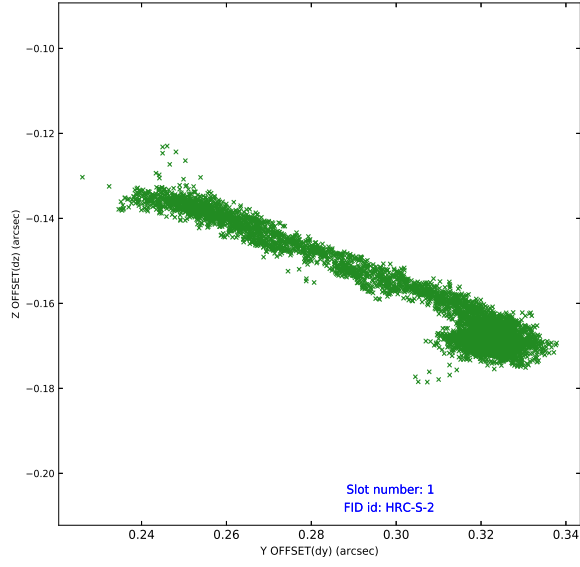


2.5 FID Slots

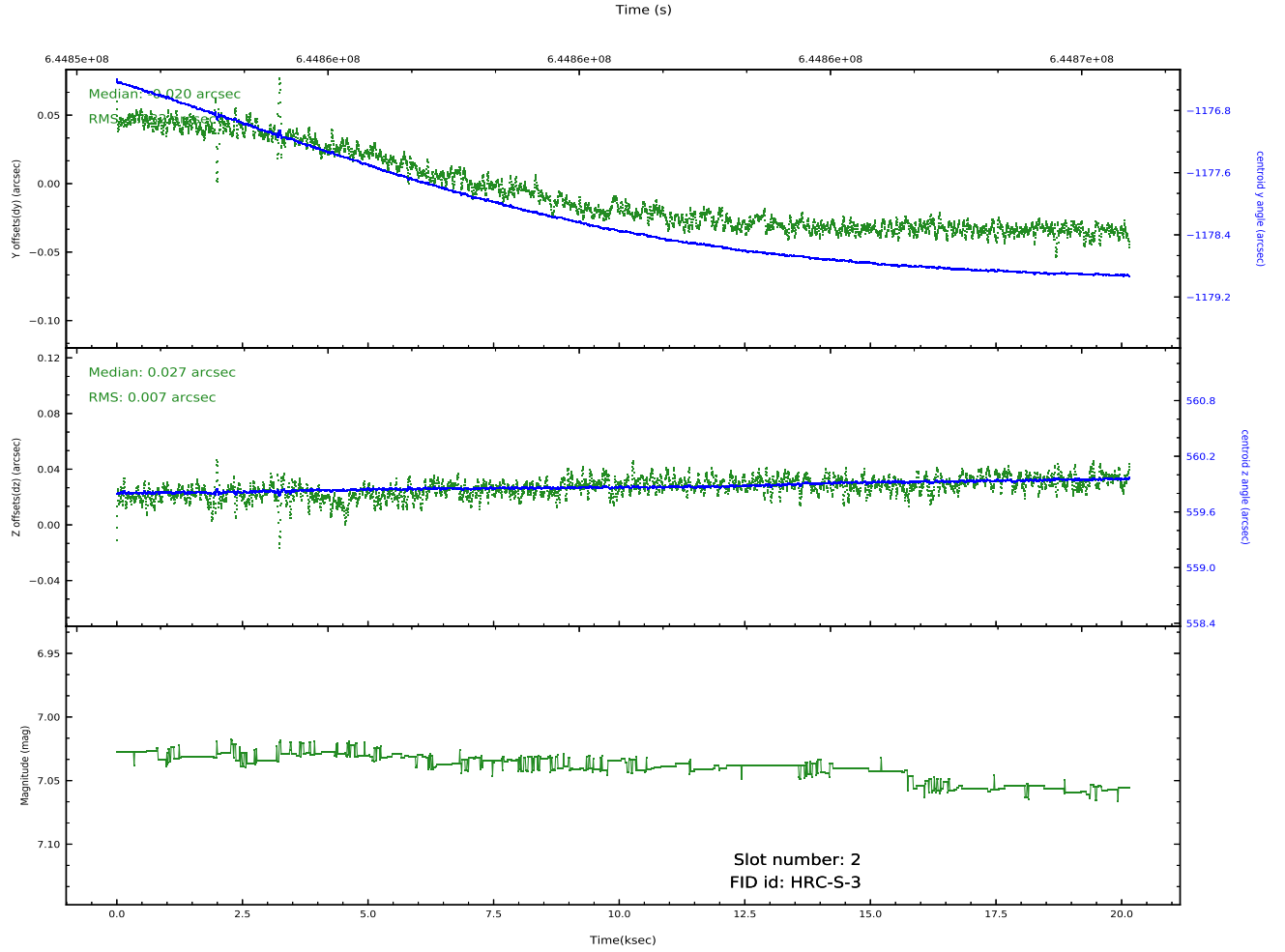
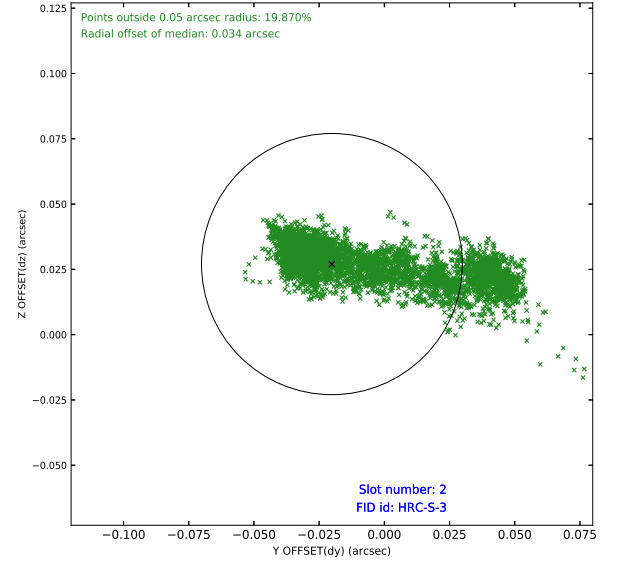
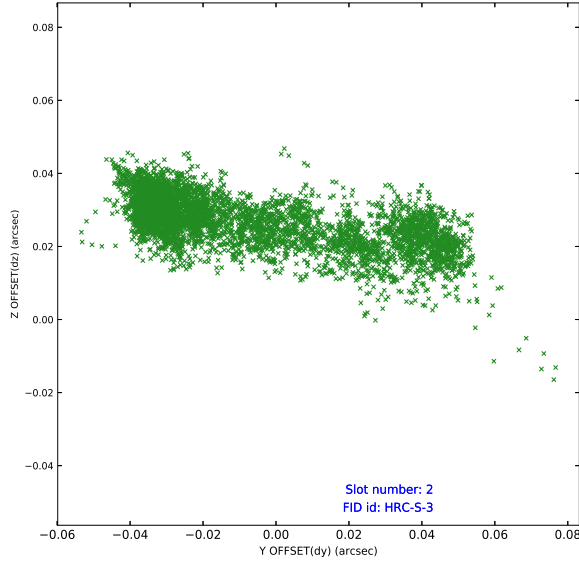
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.158676193118

A.2 Comments