

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4685 - L2 Version 6
Chandra X-Ray Center

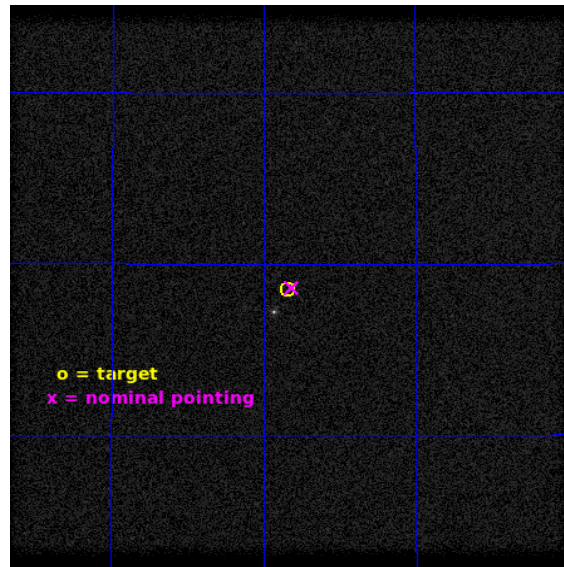
L2 Processing Date : Sep 25 2020

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1 Front

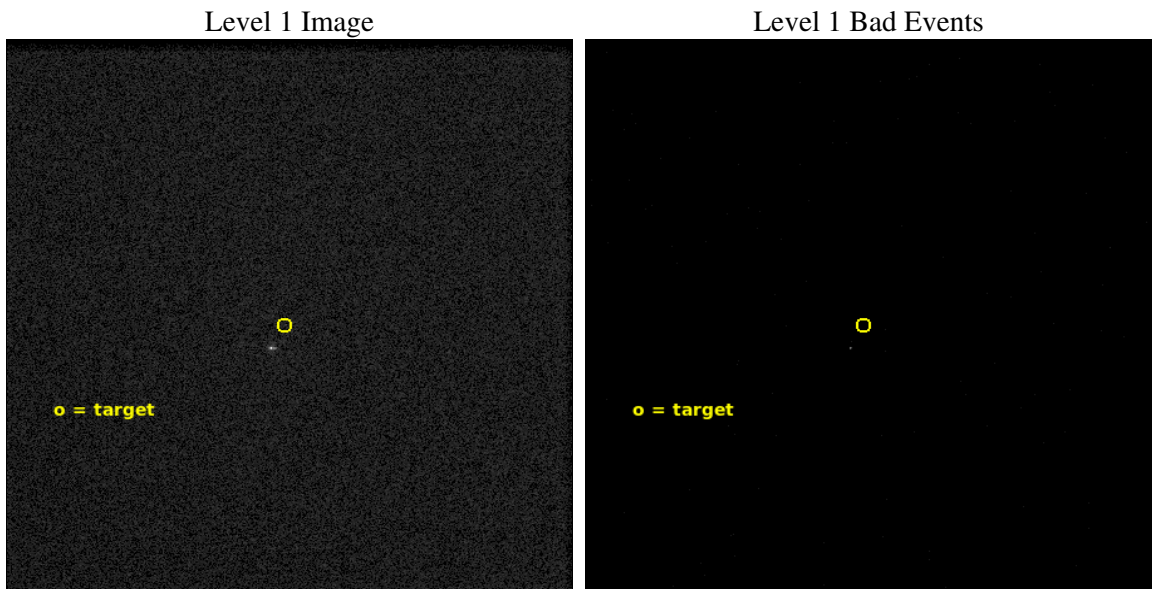
seq_num	600340	Sequence number
obs_id	4685	Observation id
title	Locating Ultraluminous X-Ray Sources	Proposal title
observer	Philip Kaaret	Principal investigator
object	NGC 3998	Source name
ra_targ	179.46	Observer's specified target RA [deg]
dec_targ	55.475278	Observer's specified target Dec [deg]
ra_nom	179.45343660355	Nominal RA [deg]
dec_nom	55.476978331742	Nominal Dec [deg]
roll_nom	225.02119688908	Nominal Roll [deg]
revision	6	Processing version of data
ontime	5893.7502600551	[s]
livetime	5856.3305342163	Ontime multiplied by DTCOR
l2events	200652	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	6000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5893.7502600551	[s]
caldbver	4.9.2	 	l1events	329251	Number of level 1 events
date	2020-09-25T19:28:01	Date and time of file creation			
revision	6	Processing version of data			

2.1.3 Events

Level 1 Events

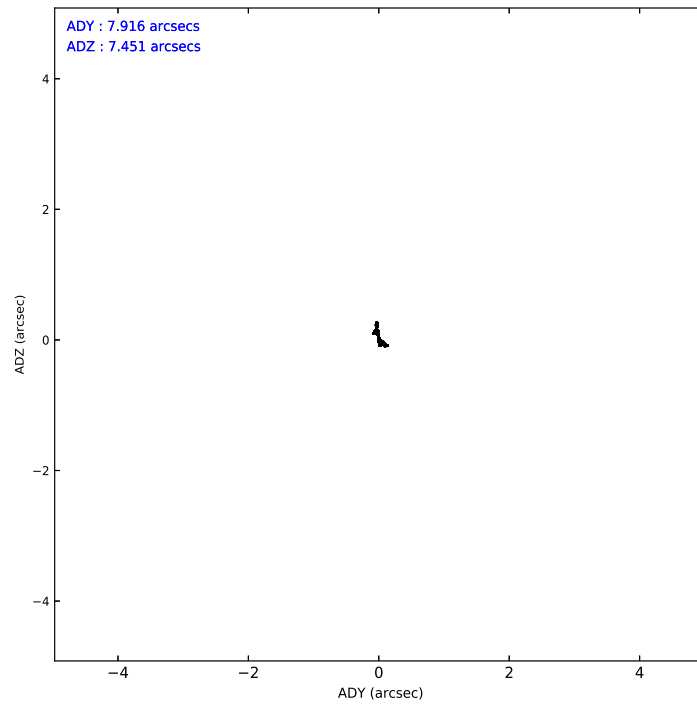
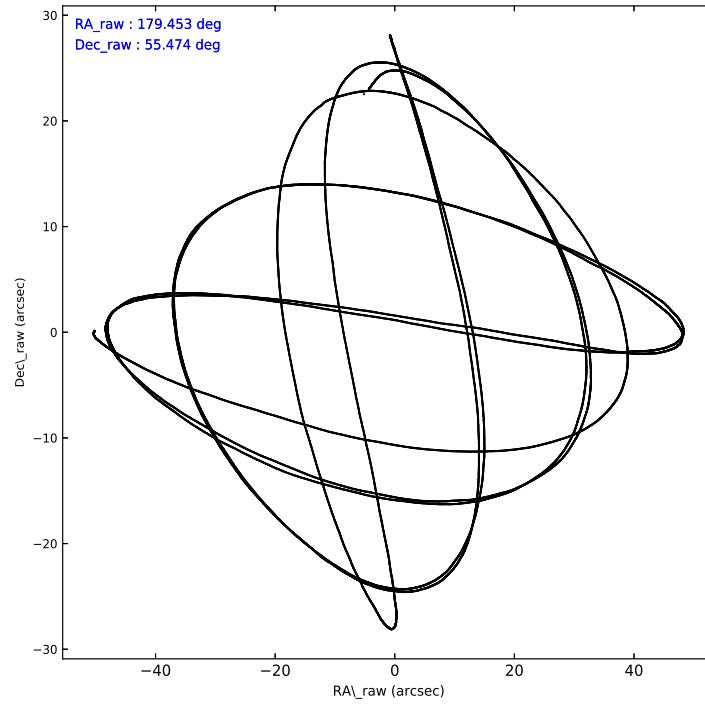
	segment 0
level 1 events	329251
rejected events	33761
rejected %	10%

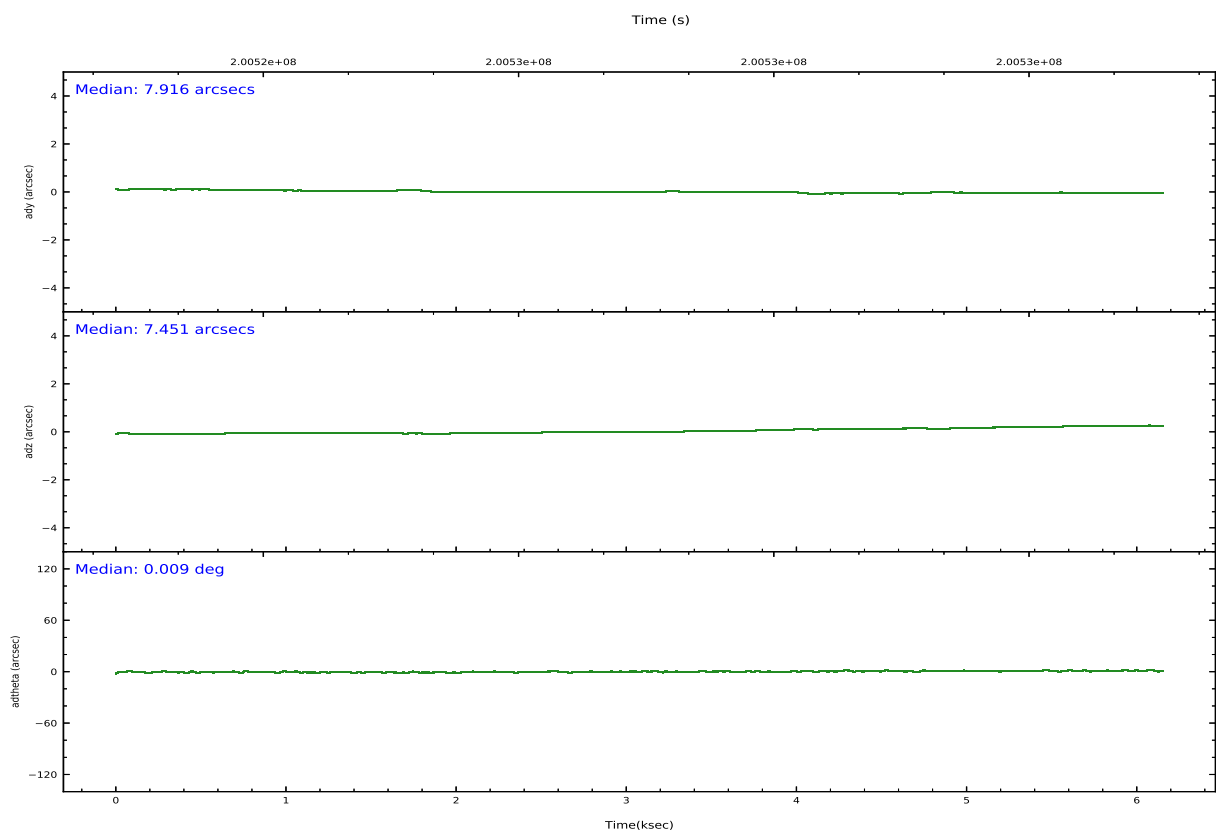
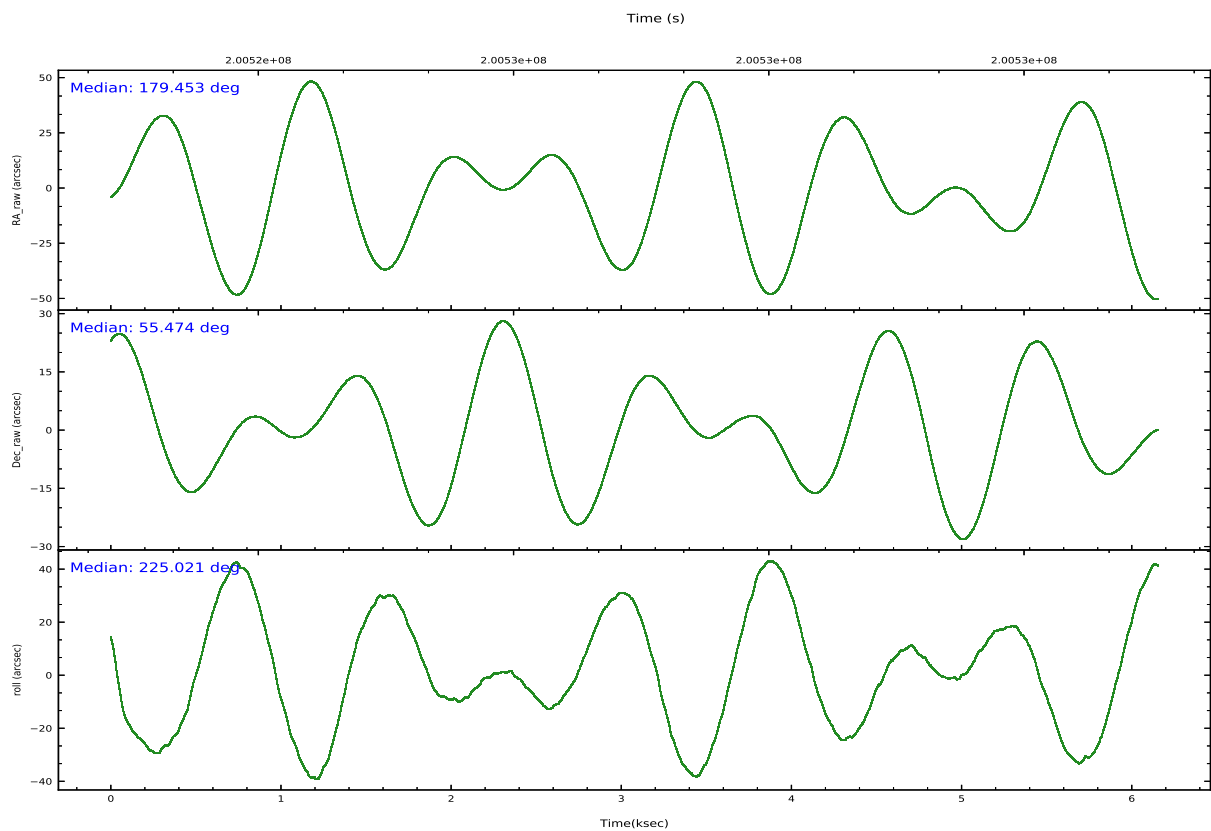
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	179.464485	179.45343660355
[deg] Pointing Dec	55.500031	55.476978331742
[deg] Pointing Roll	225.125707	225.02119688908
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	200523288.184000	200522502.70226
Observation start date	2004-05-09T20:53:44	2004-05-09T20:41:42
[s] Observation end time (MET)	200529288.184000	200529881.16509
Observation end date	2004-05-09T22:33:44	2004-05-09T22:44:41

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

2.3 Aspect



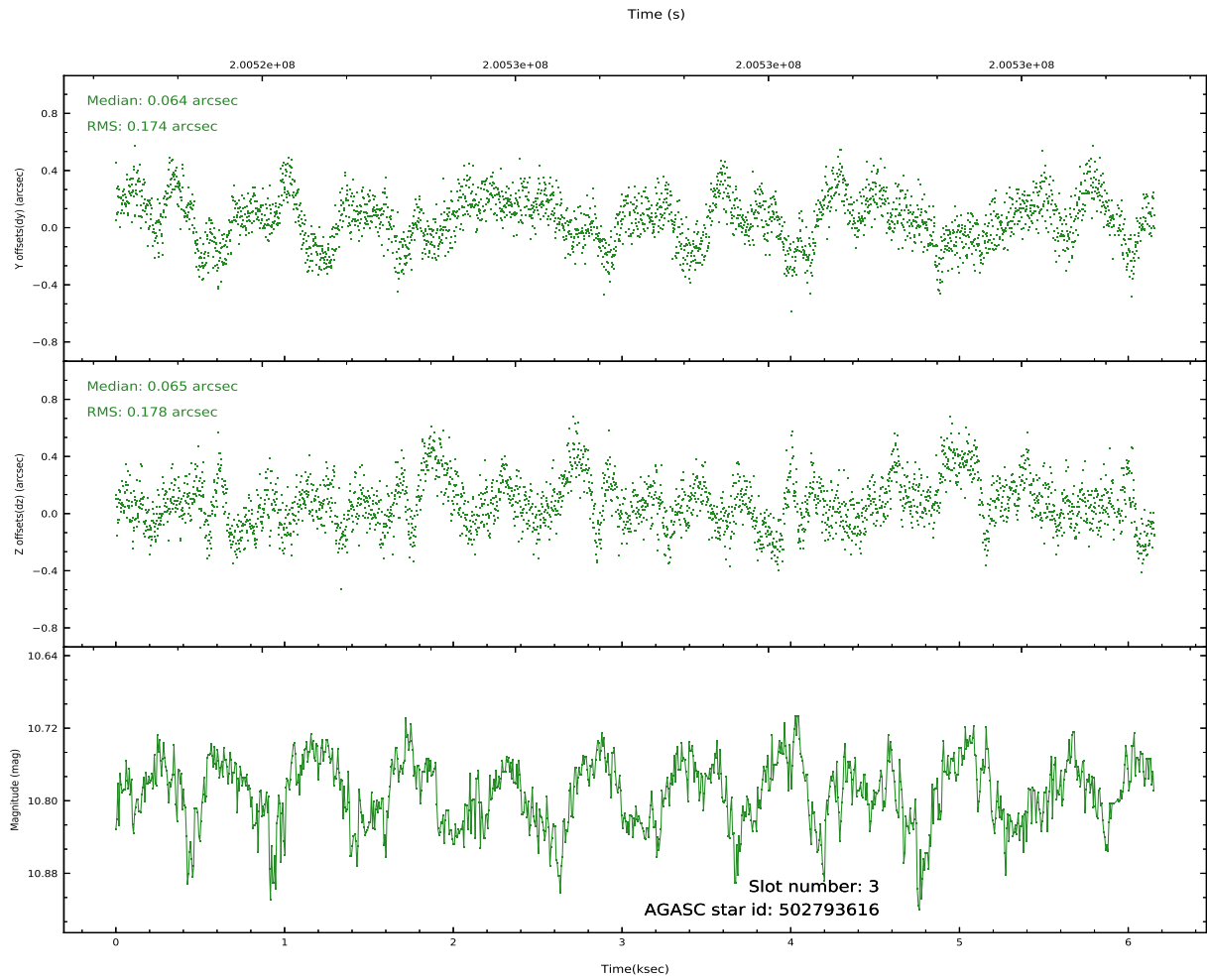
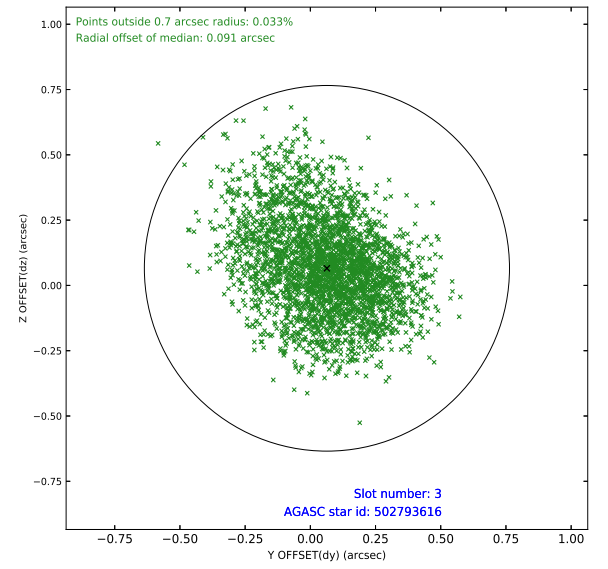
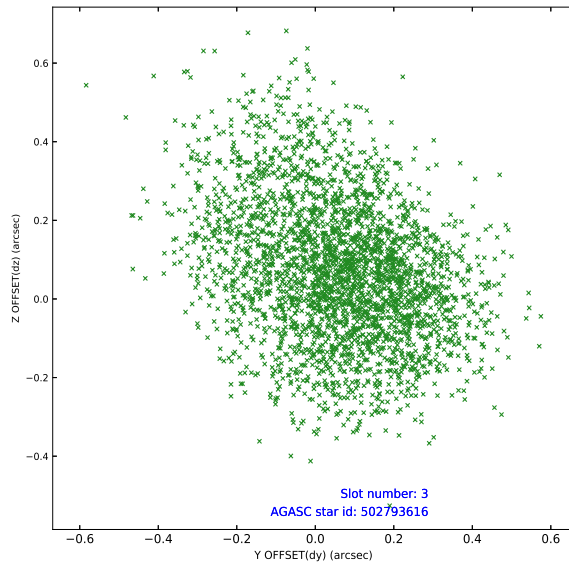


Slot Statistics

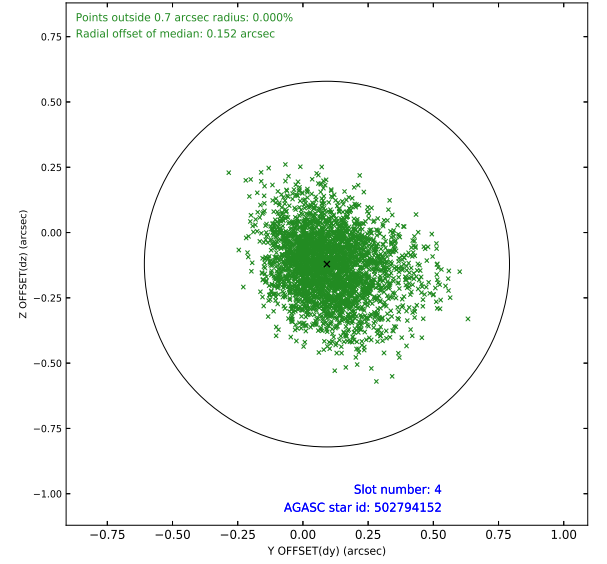
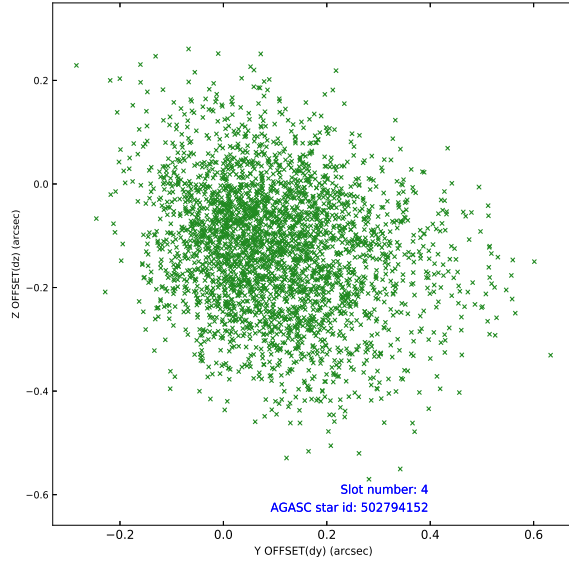
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.96	1502	1.000	-0.005	0.000	0.008	0.013	0.000000	0.000000	-763.56	-1295
1	FID		HRC-I-2	7.00	1502	1.000	0.150	-0.112	0.007	0.011	0.000000	0.000000	848.72	-1297
2	FID		HRC-I-3	7.05	1502	1.000	-0.027	0.022	0.006	0.011	0.000000	0.000000	-1191.47	1008
3	GUIDE	used	502793616	10.79	2988	1.000	0.064	0.065	0.270	0.423	178.517911	55.423021	1552.59	-1183
4	GUIDE	used	502794152	10.38	3000	1.000	0.092	-0.121	0.189	0.328	178.195658	55.565439	1640.42	-2013
5	GUIDE	used	502795632	9.08	2996	1.000	-0.141	0.130	0.093	0.156	180.454171	55.827001	-2255.31	577
6	GUIDE	used	502796064	9.71	3002	1.000	0.021	-0.141	0.125	0.199	178.783977	55.701683	454.89	-1494
7	GUIDE	used	502792376	9.89	2999	1.000	-0.038	0.067	0.134	0.215	180.437493	55.132253	-484.13	2343

2.4 Star Slots

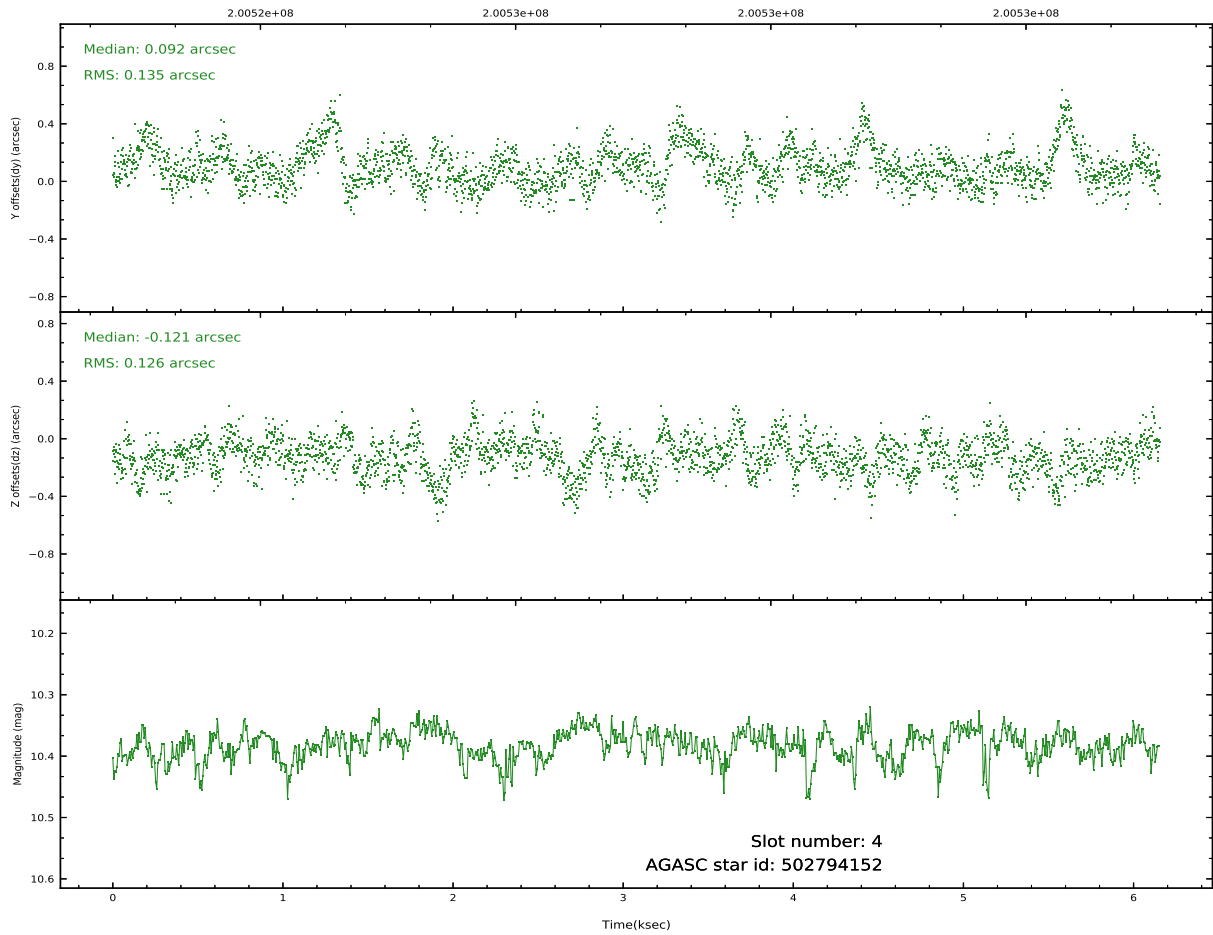
2.4.1 Slot 3



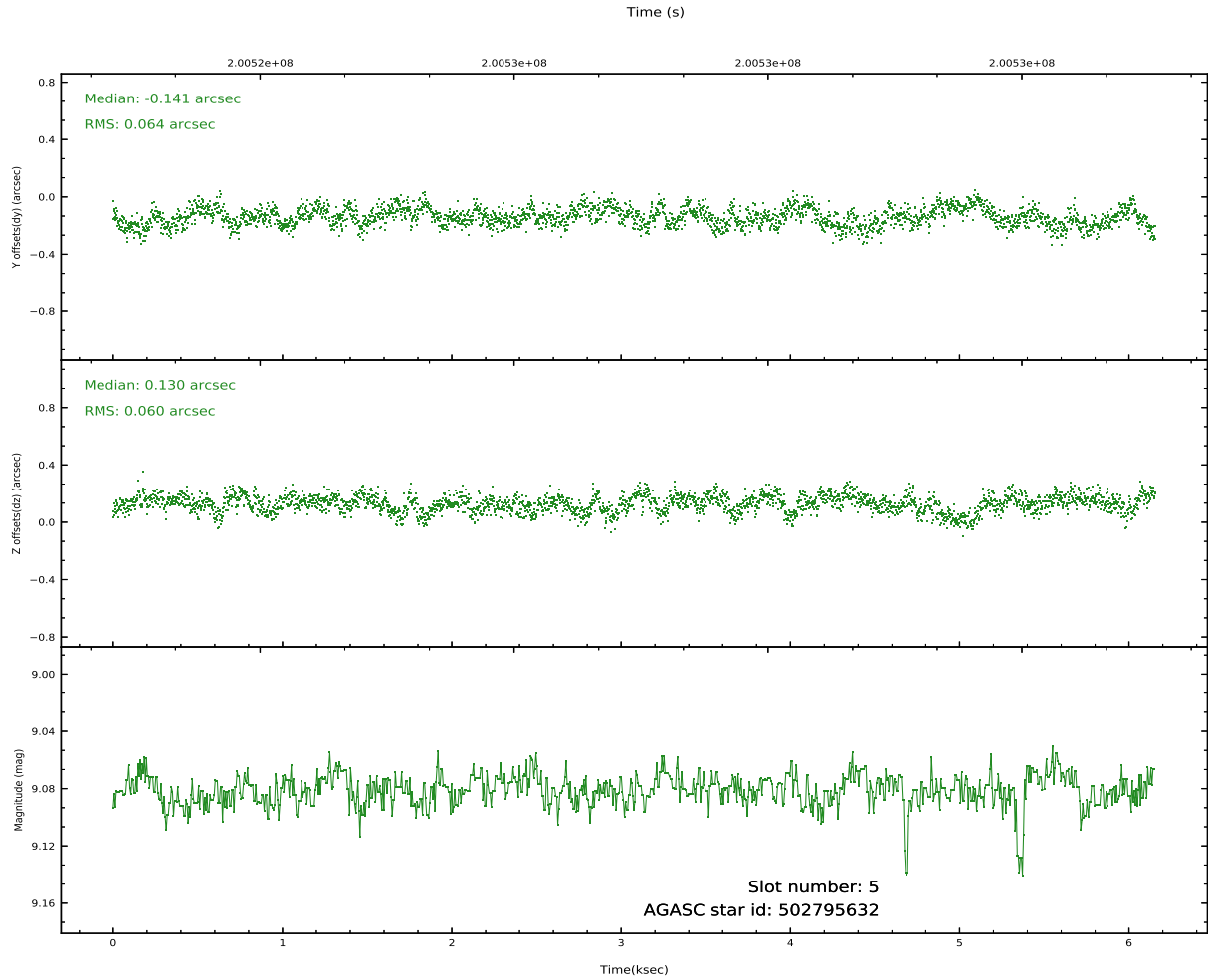
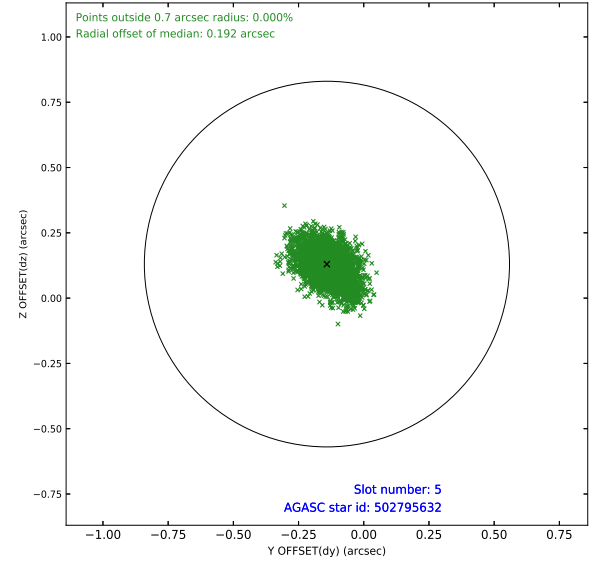
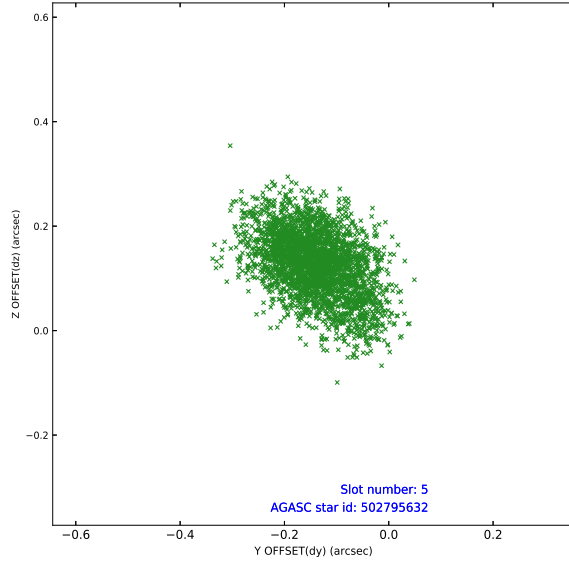
2.4.2 Slot 4



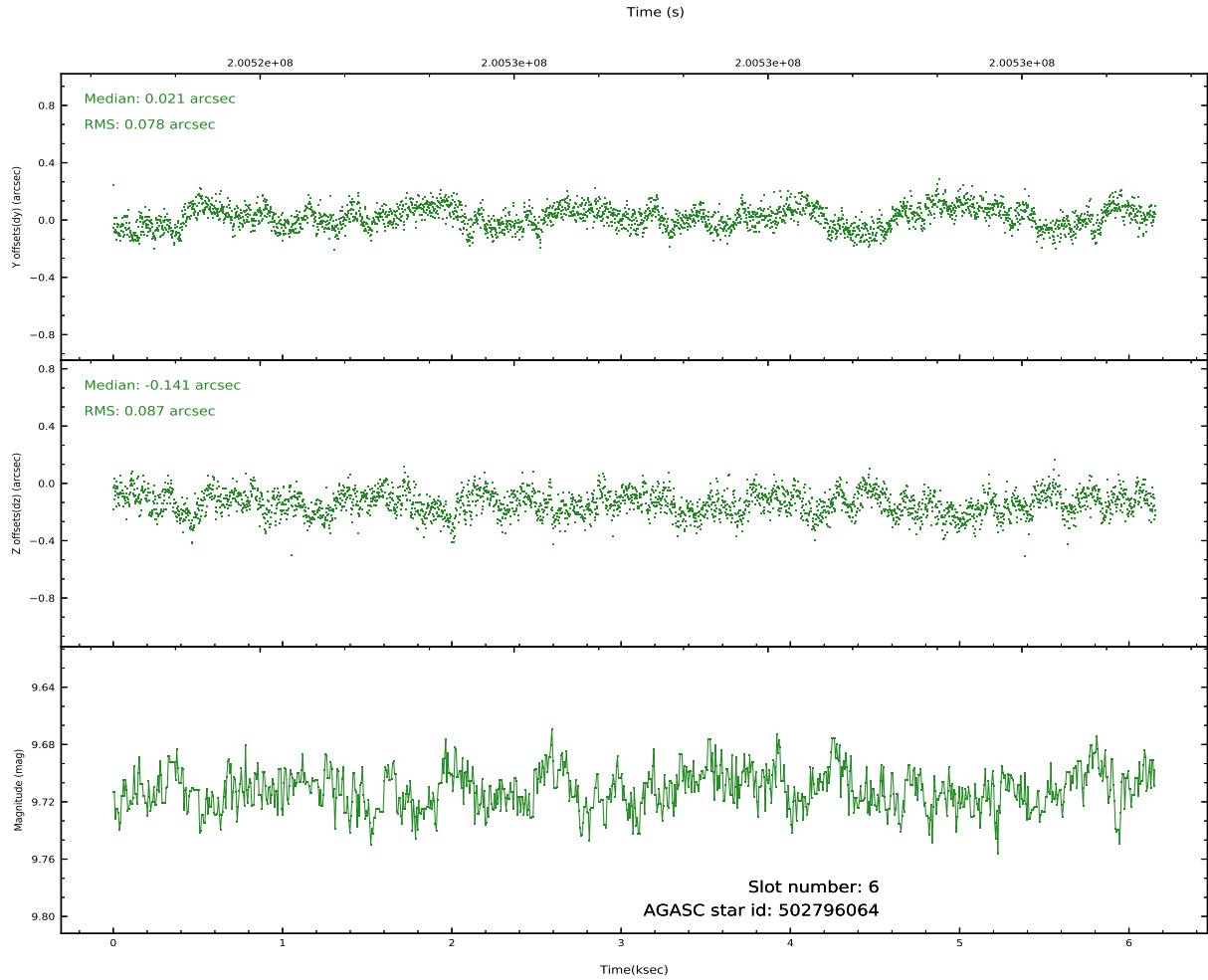
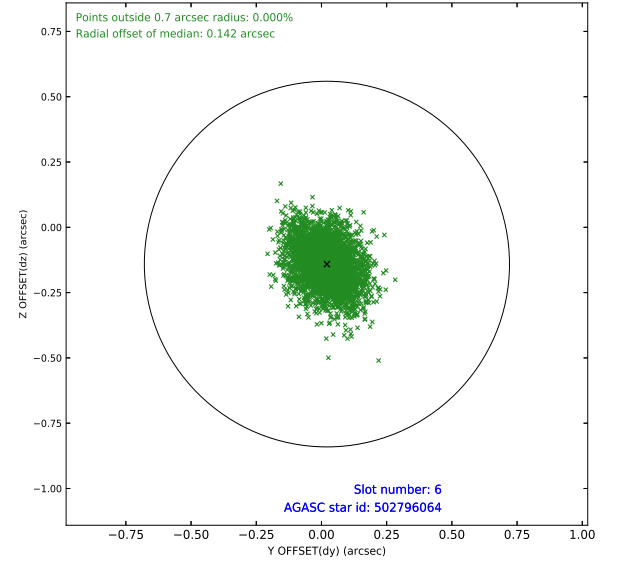
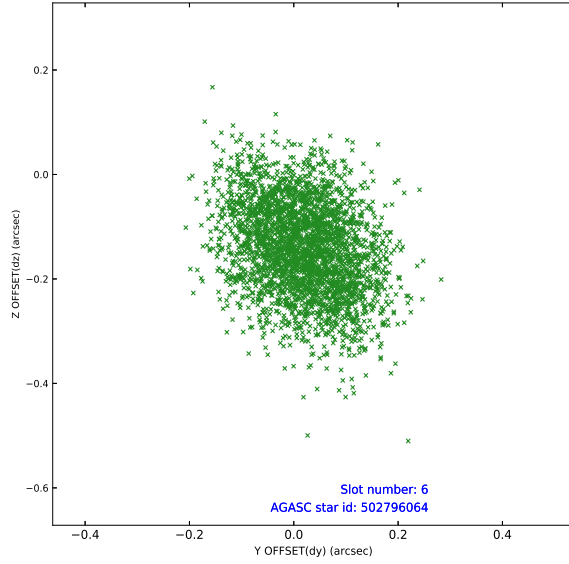
Time (s)



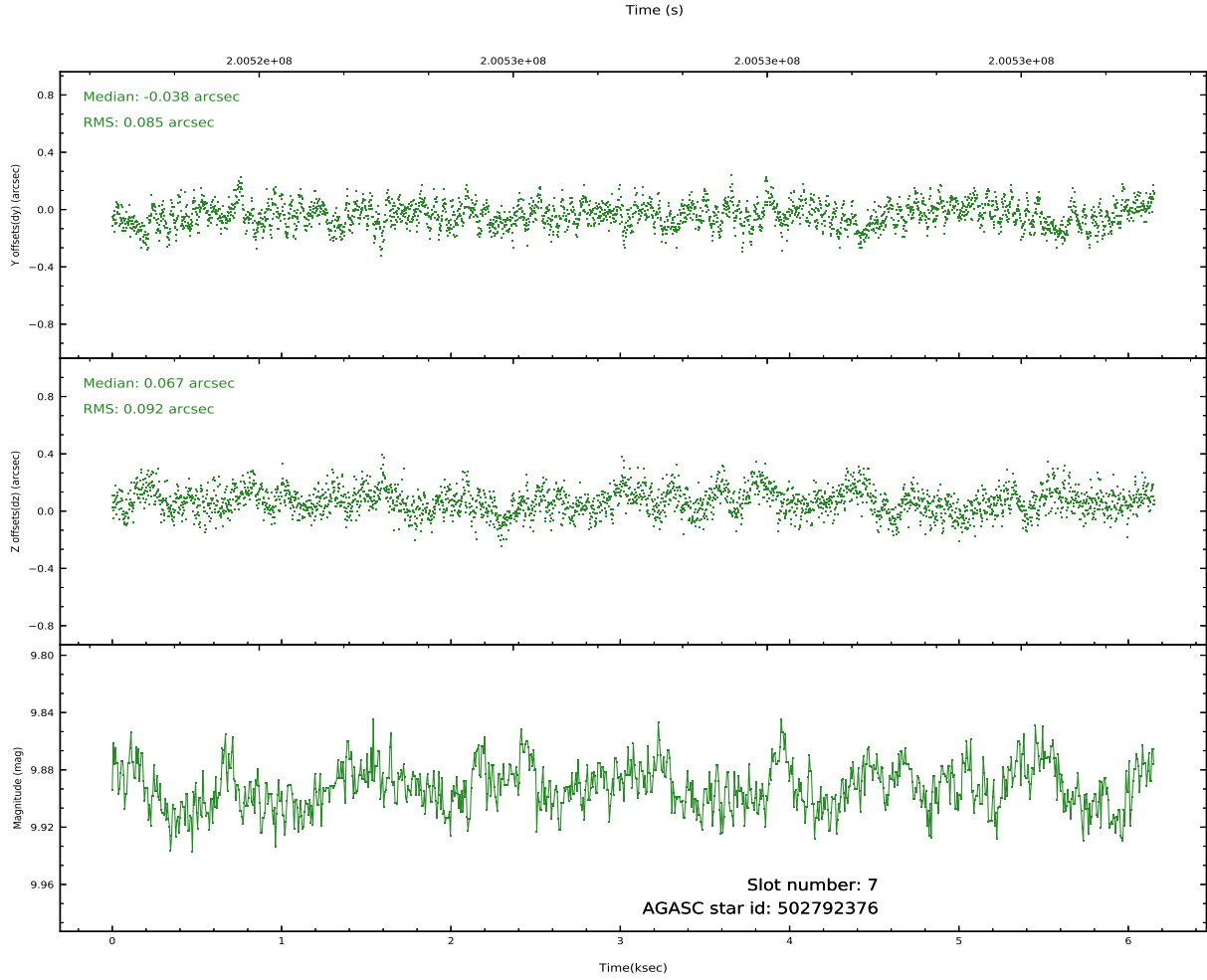
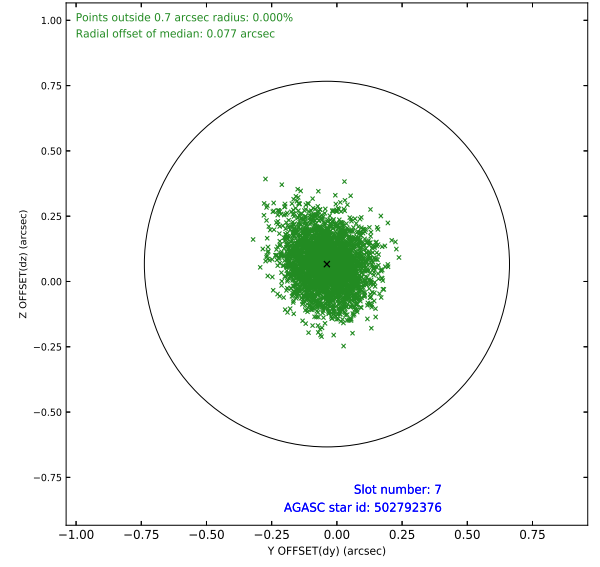
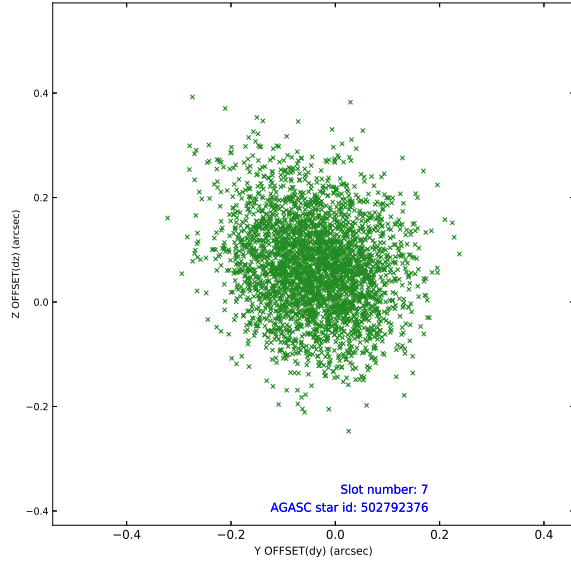
2.4.3 Slot 5



2.4.4 Slot 6

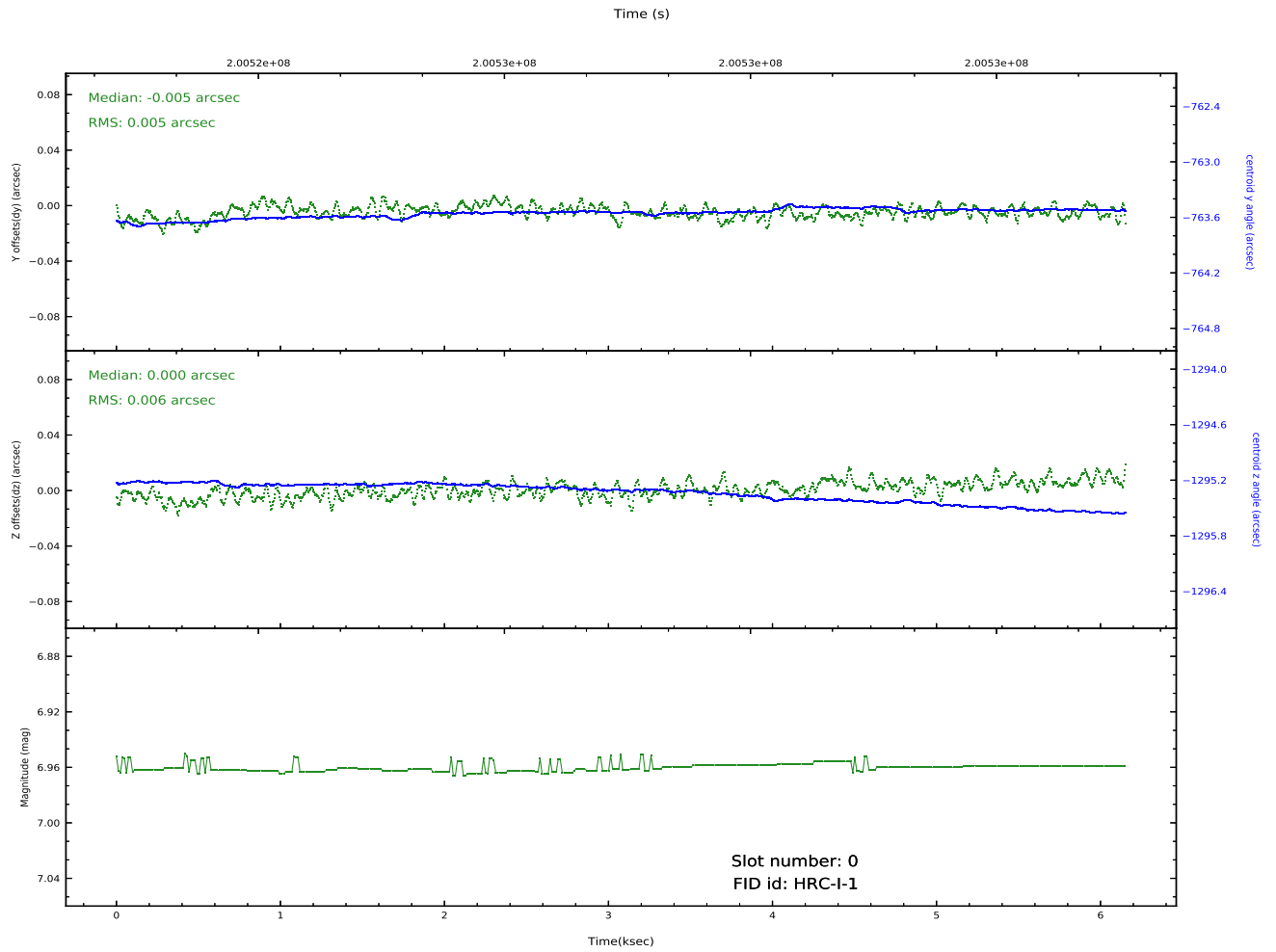
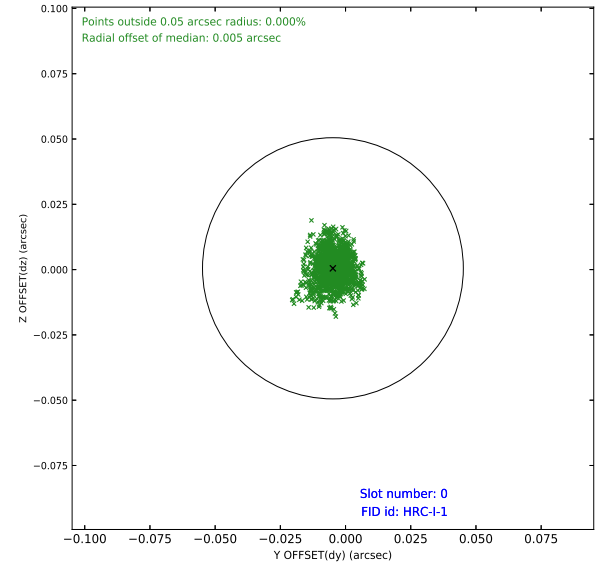
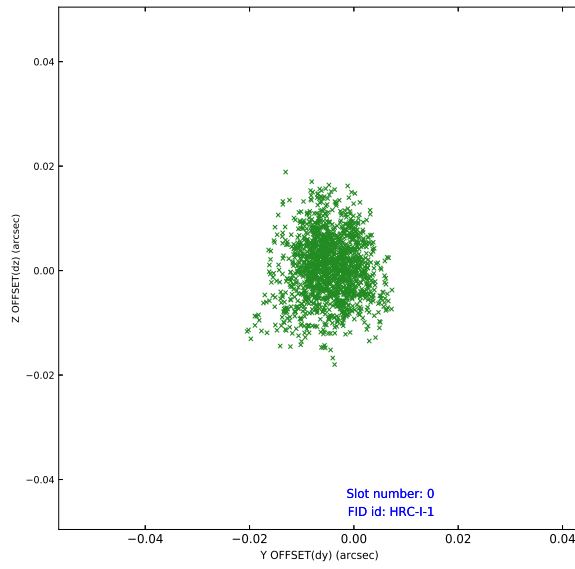


2.4.5 Slot 7

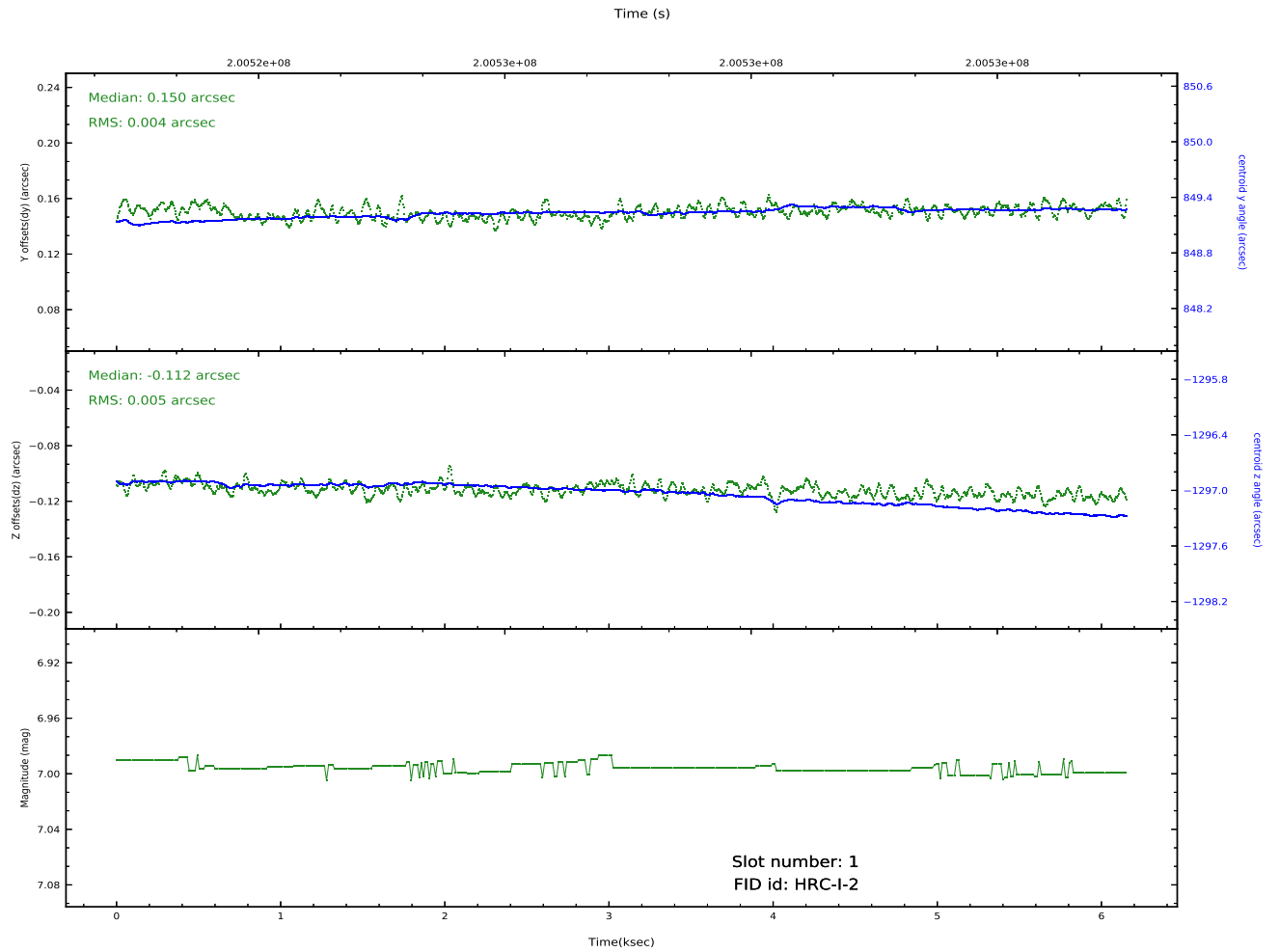
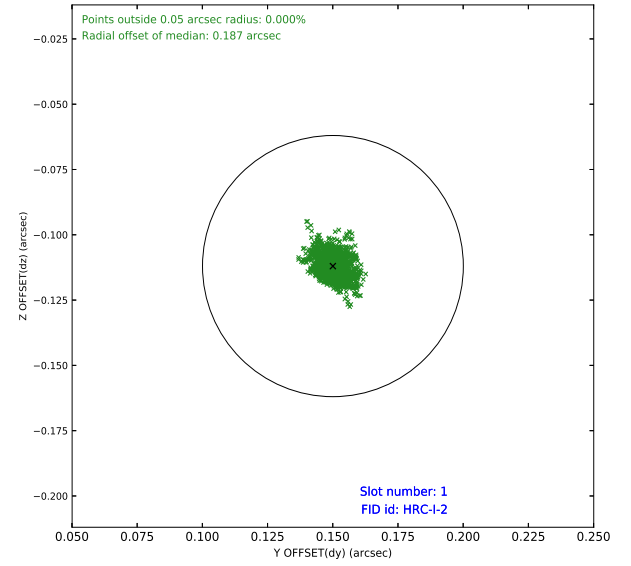
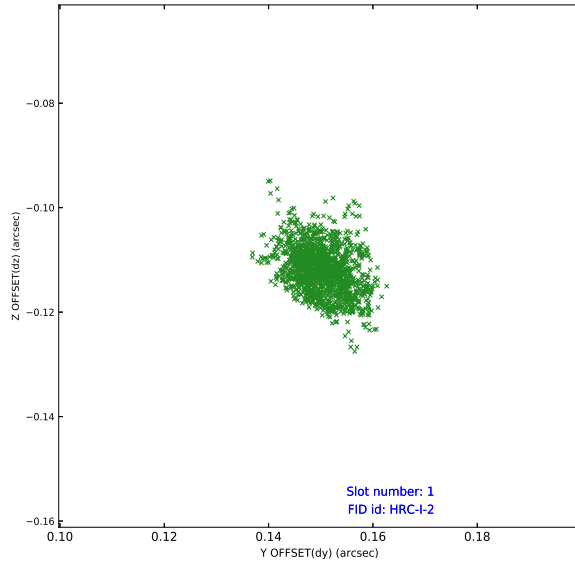


2.5 FID Slots

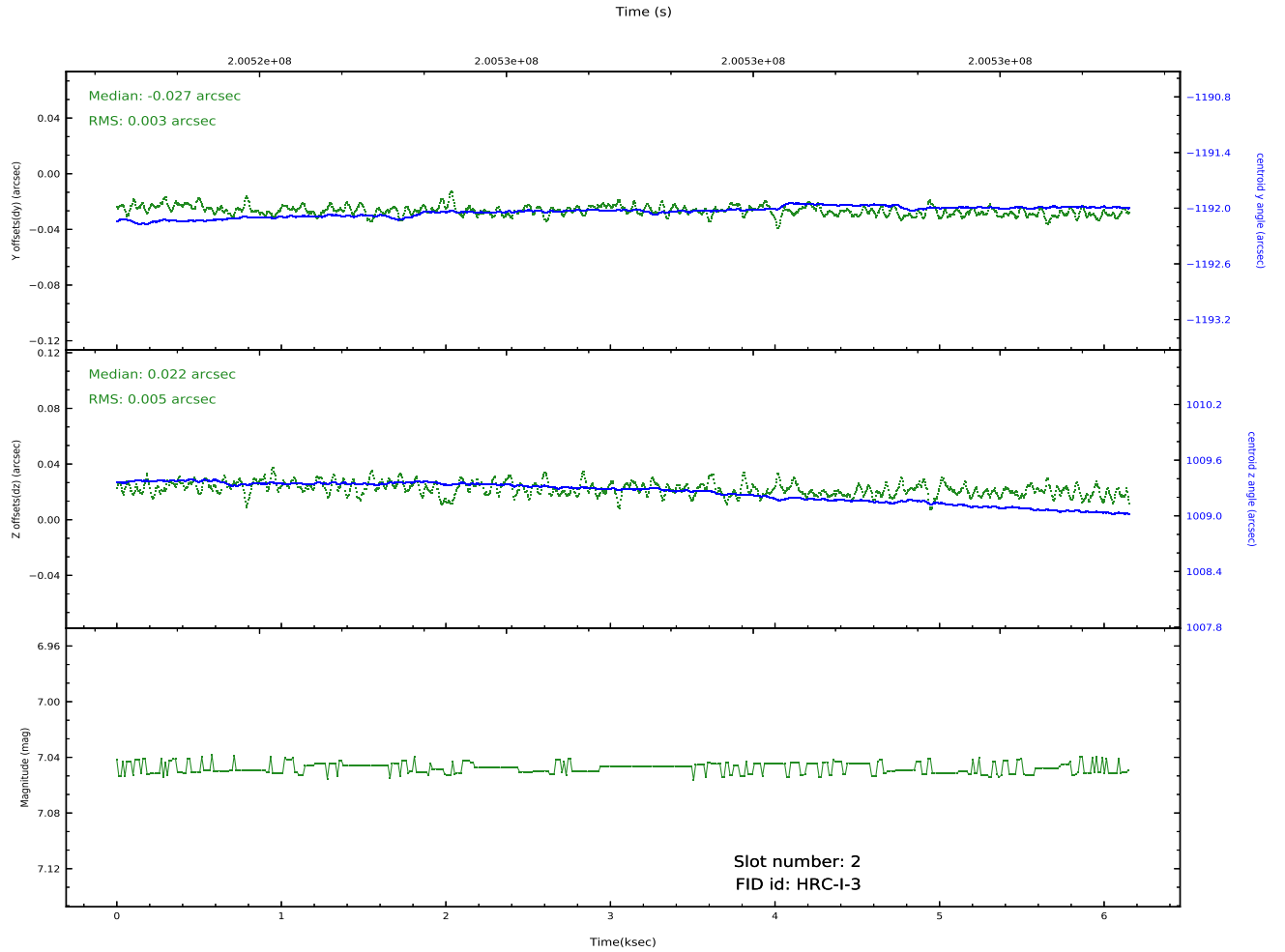
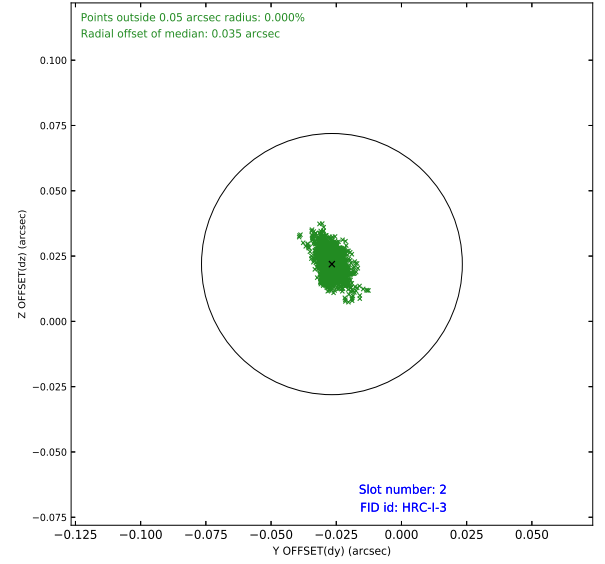
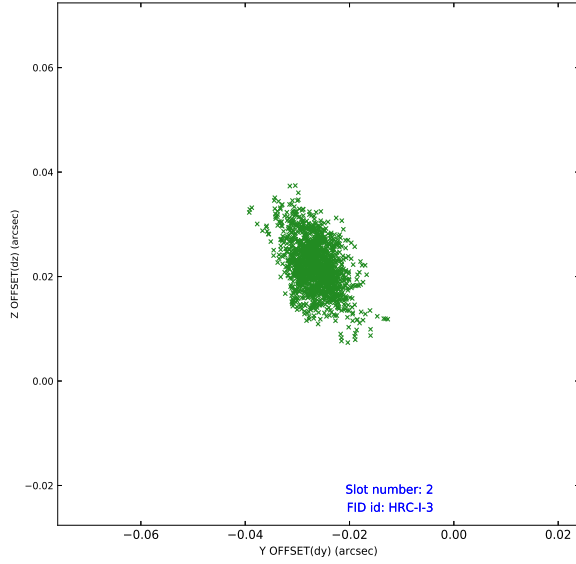
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.894

A.2 Comments

Joint proposal with HST.