

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5164 - L2 Version 5
Chandra X-Ray Center

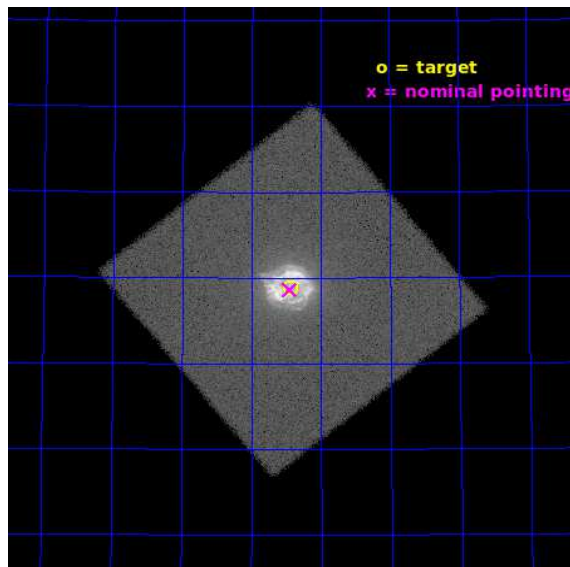
L2 Processing Date : Sep 24 2020

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1 Front

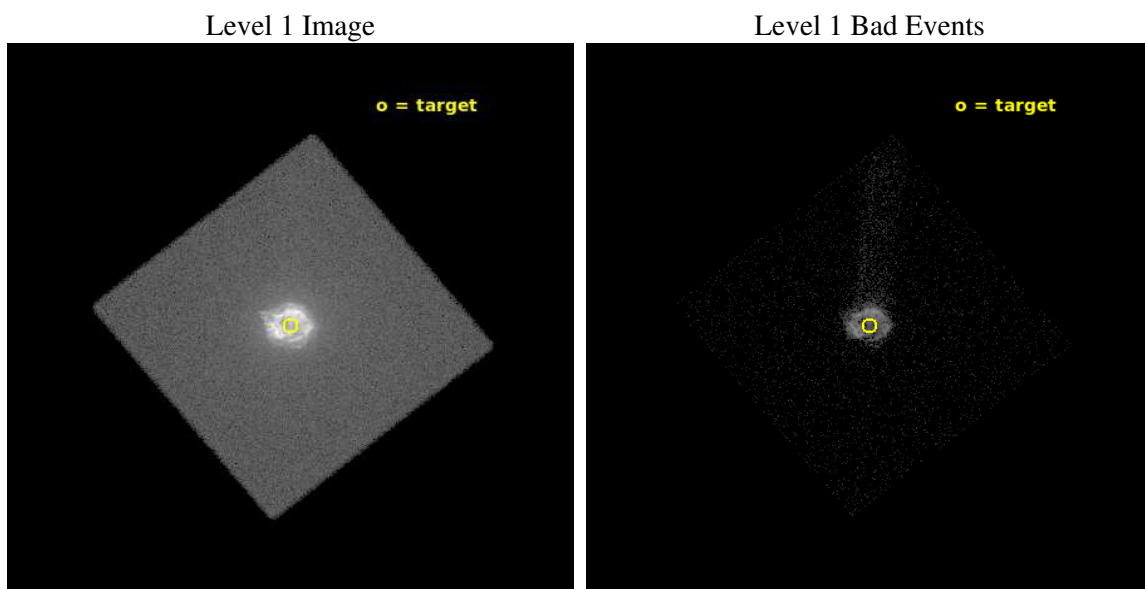
seq_num	590362	Sequence number
obs_id	5164	Observation id
title	AO5A Observations of the Standard Candles Cas A and G21.5-09	Propo
observer	CXC Calibration	Principal investigator
object	Cas A	Source name
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.86189253522	Nominal RA [deg]
dec_nom	58.810314830662	Nominal Dec [deg]
roll_nom	5.84427265969	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4874.1314638853	[s]
livetime	4464.4562677049	Ontime multiplied by DTCOR
l2events	690602	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	5002.669000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4874.1314638853	[s]
caldbver	4.9.2	 	l1events	852726	Number of level 1 events
date	2020-09-24T11:38:24	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

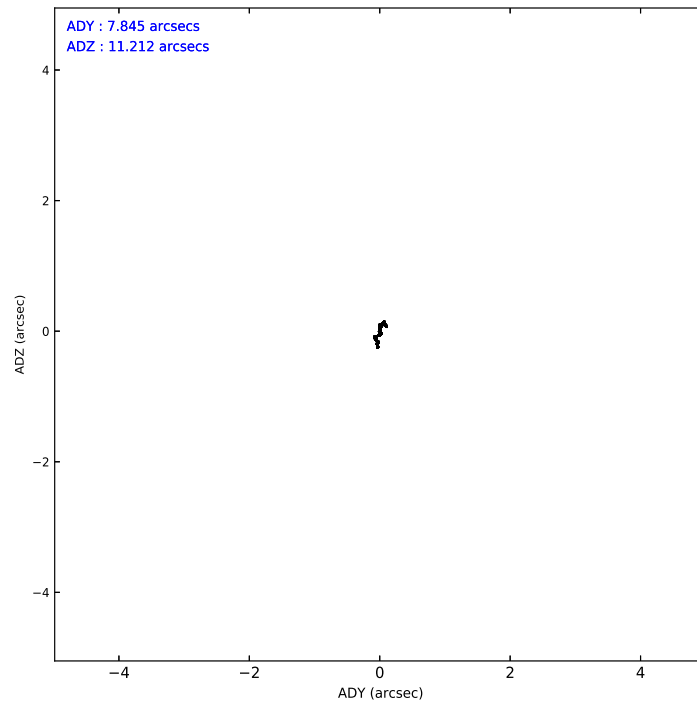
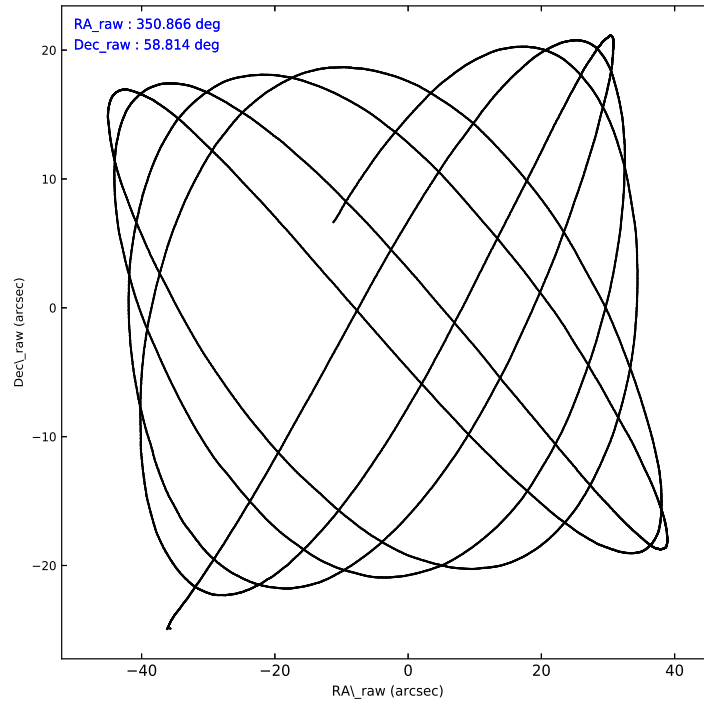
	segment 0
level 1 events	852726
rejected events	33863
rejected %	3%

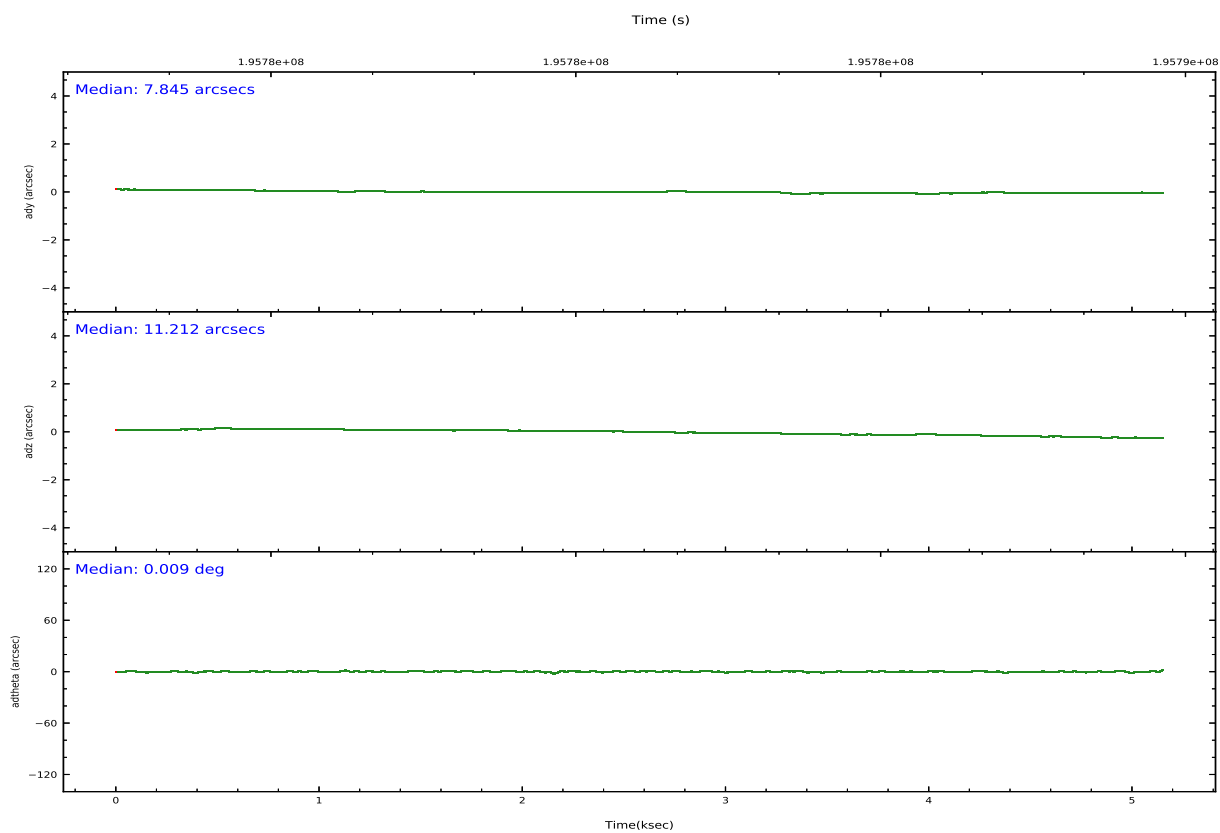
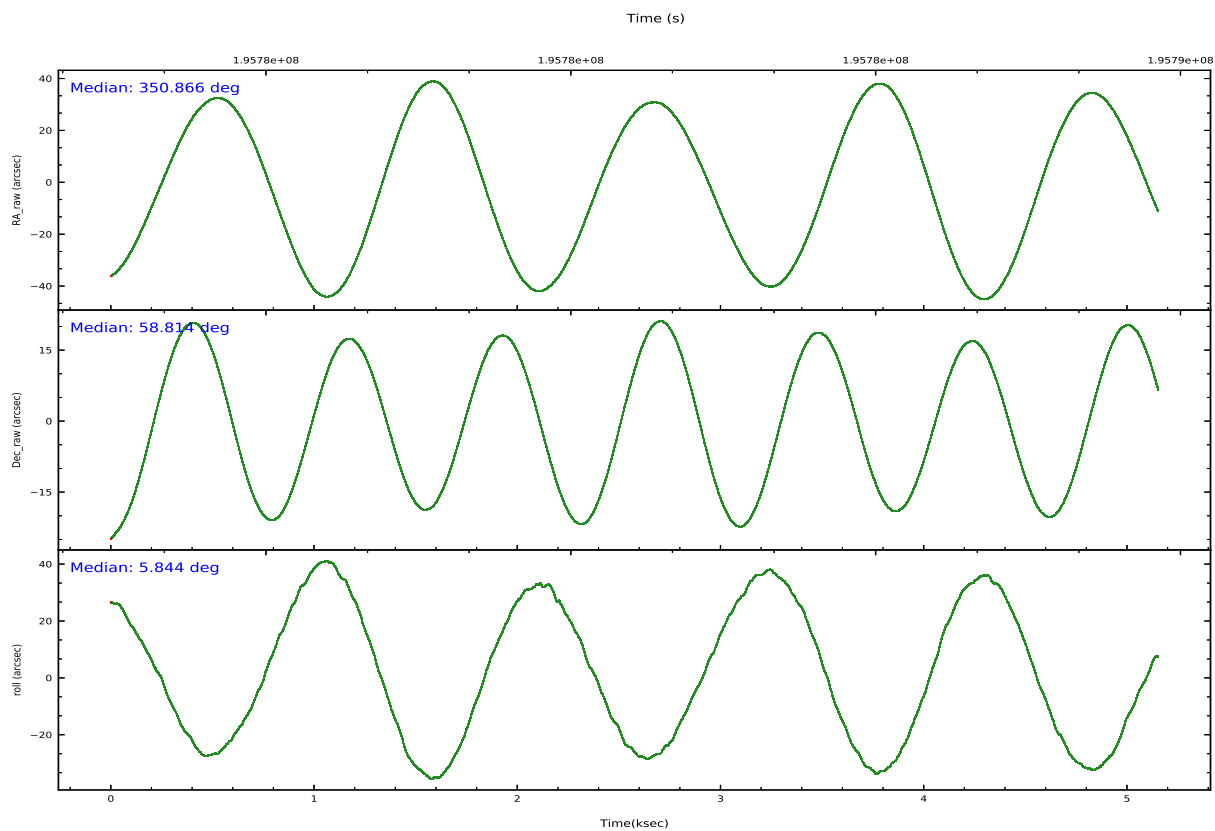
2.2 Compared Parameters

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	350.823522	350.86189253522
[deg] Pointing Dec	58.797237	58.810314830662
[deg] Pointing Roll	5.986964	5.84427265969
[s] Window start time (MET)	194486464.184000	194486464.184000
[s] Window stop time (MET)	197078464.184000	197078464.184000
[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)	195780388.184000	195779987.90605
Observation start date	2004-03-15T23:25:24	2004-03-15T23:19:47
[s] Observation end time (MET)	195785391.184000	195785705.3563
Observation end date	2004-03-16T00:48:47	2004-03-16T00:55:05

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

2.3 Aspect



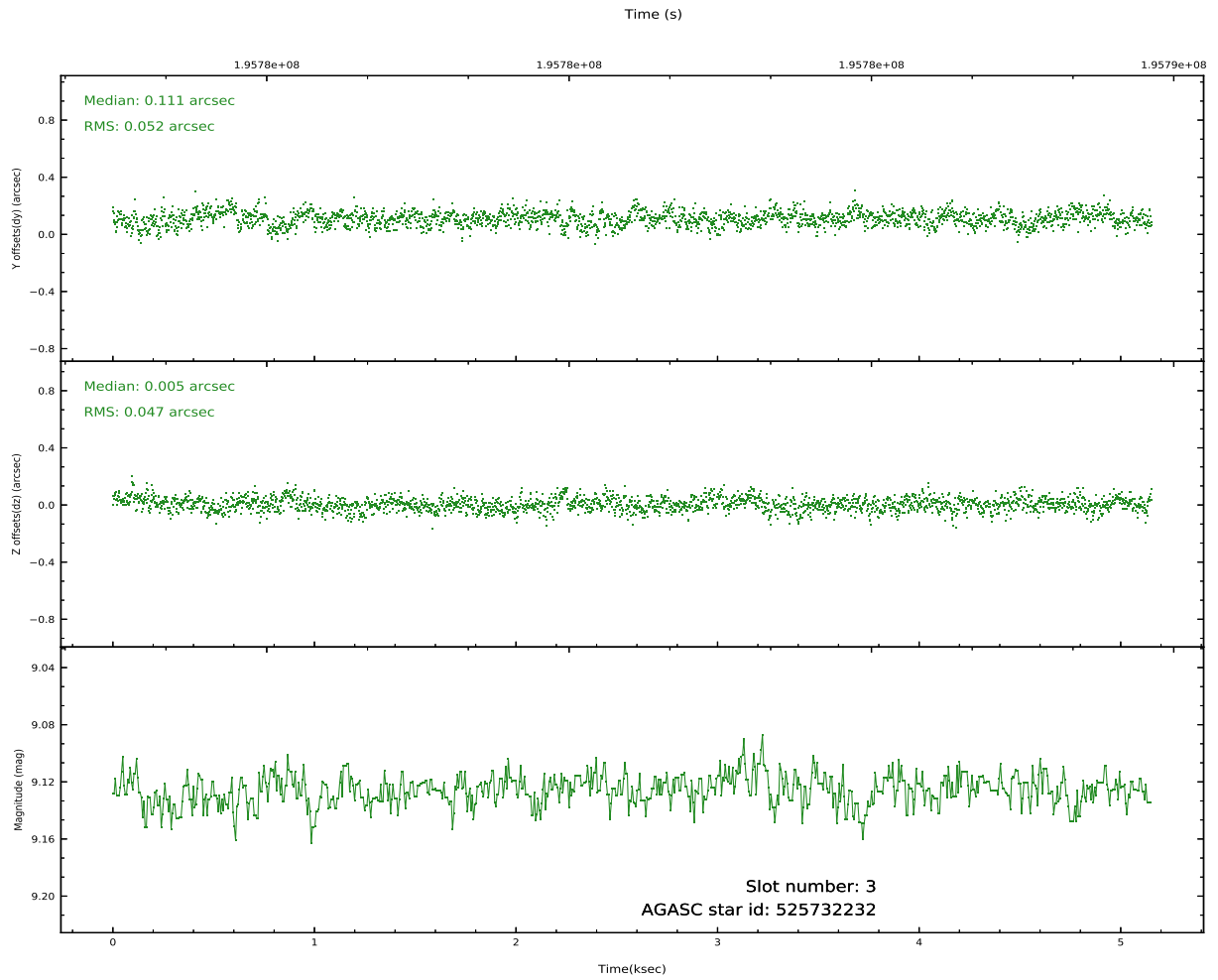
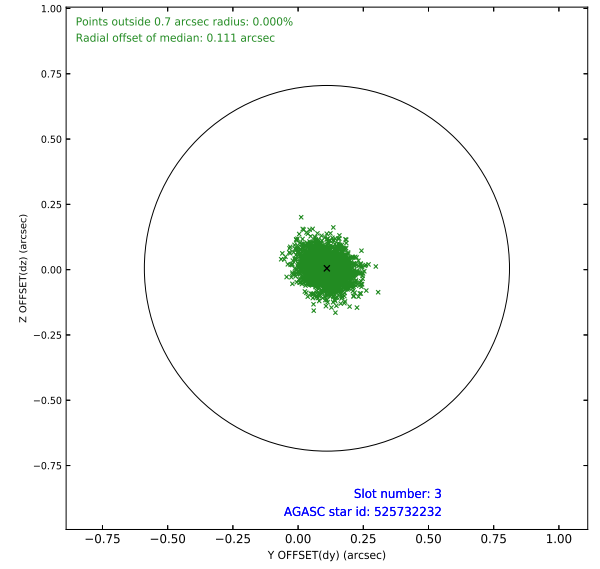
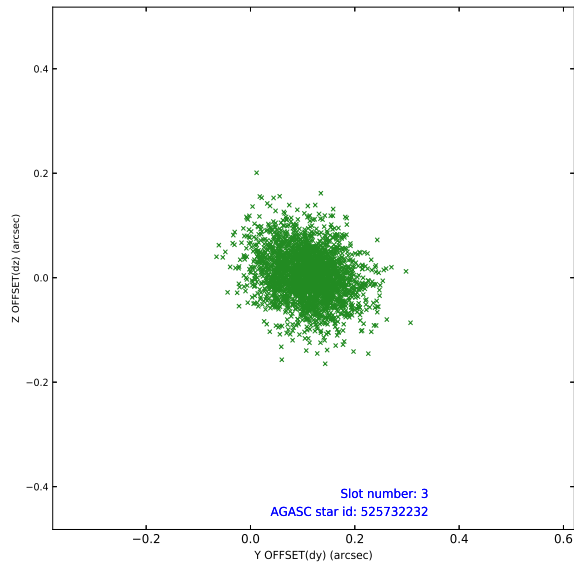


Slot Statistics

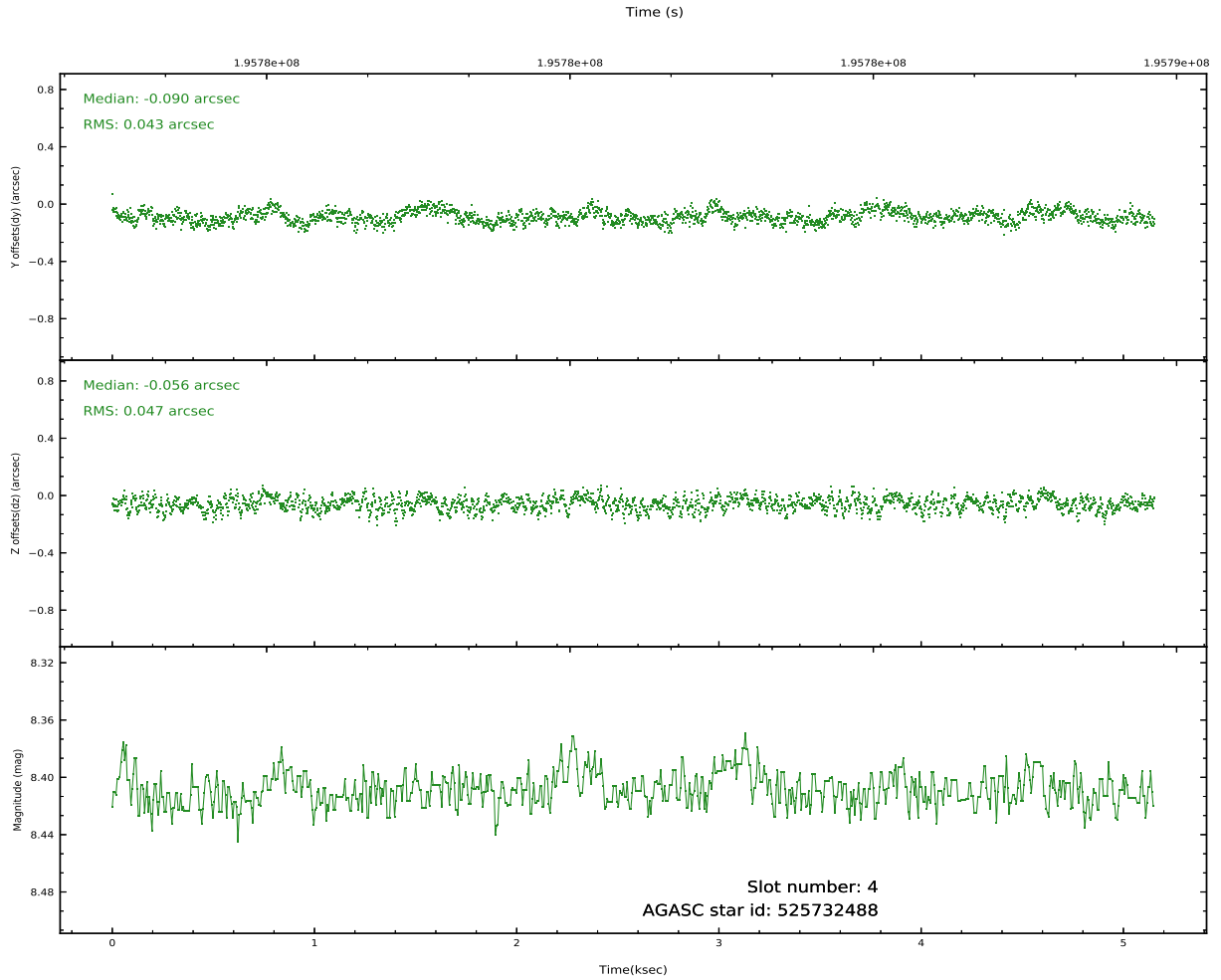
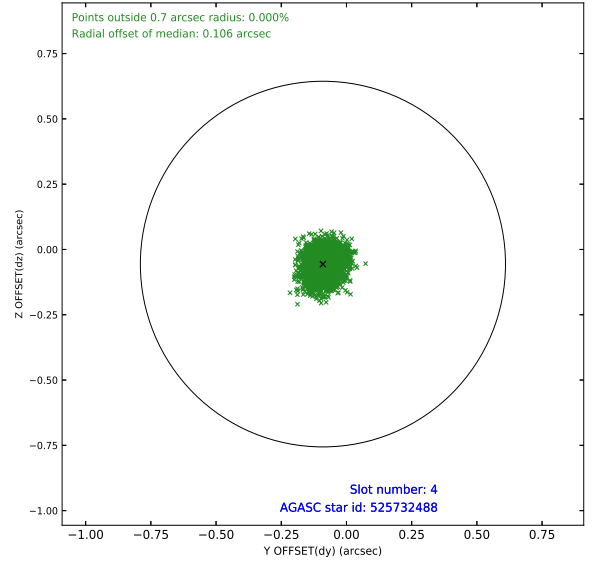
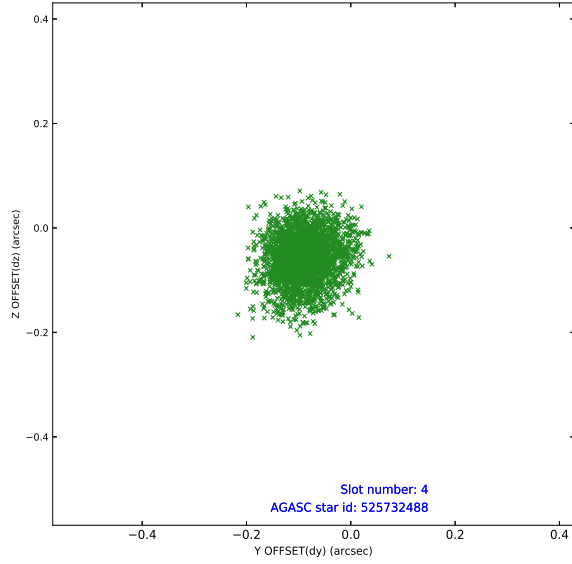
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.03	1257	1.000	-0.008	-0.064	0.008	0.012	0.000000	0.000000	-763.48	-1299
1	FID		HRC-I-3	7.12	1257	1.000	-0.060	-0.043	0.009	0.016	0.000000	0.000000	-1192.59	1004
2	FID		HRC-I-4	7.06	1258	1.000	0.182	0.018	0.007	0.012	0.000000	0.000000	1278.59	1003
3	GUIDE	used	525732232	9.13	2514	1.000	0.111	0.005	0.074	0.123	351.669550	58.757012	1556.97	-299
4	GUIDE	used	525732488	8.41	2515	1.000	-0.090	-0.056	0.069	0.107	350.087090	58.516915	-1481.45	-852
5	GUIDE	used	525735976	8.91	2515	1.000	-0.113	-0.082	0.083	0.134	350.142956	58.277622	-1476.97	-1720
6	GUIDE	used	525736400	9.07	2515	1.000	-0.004	0.040	0.094	0.154	350.974563	59.175145	417.80	1323
7	GUIDE	used	525732528	9.36	2513	1.000	0.101	0.100	0.096	0.159	351.607241	59.298932	1621.35	1654

2.4 Star Slots

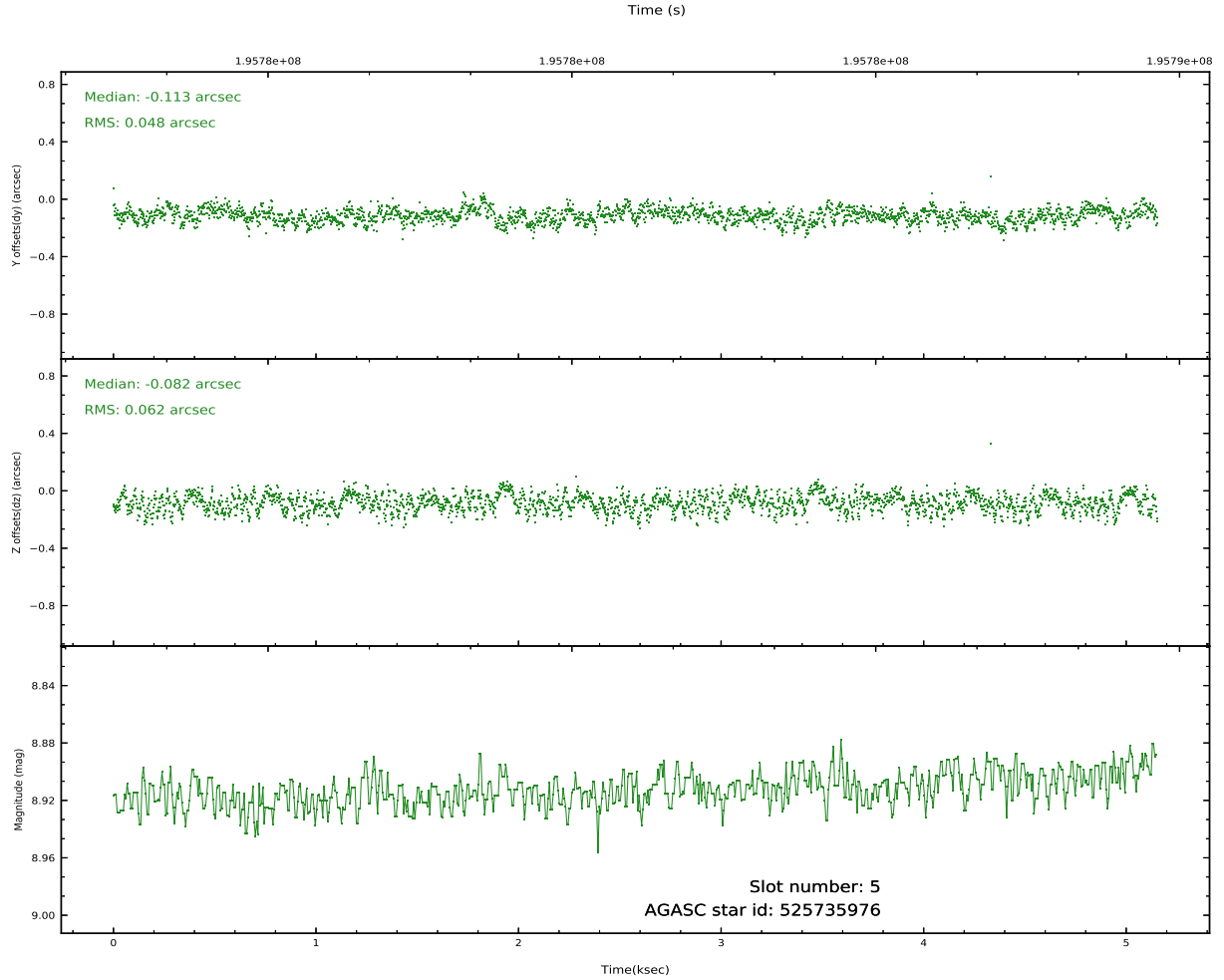
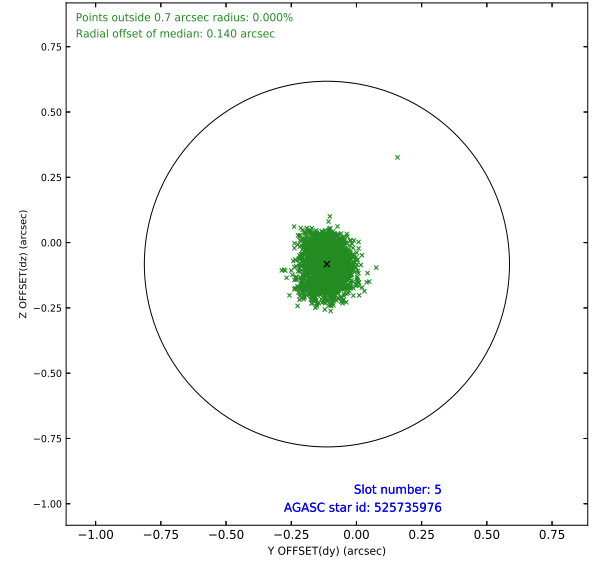
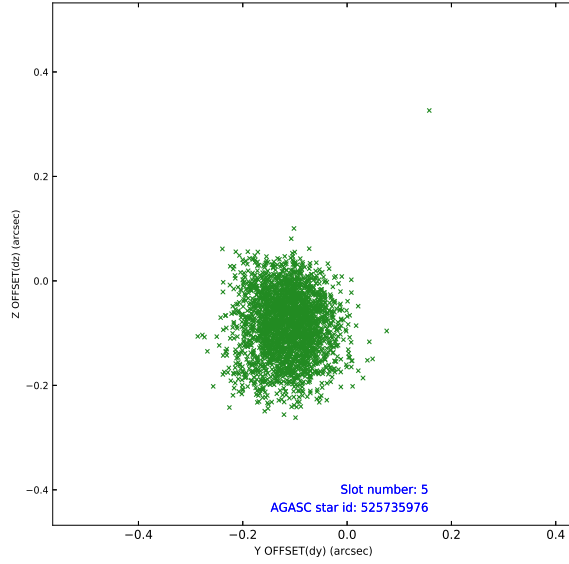
2.4.1 Slot 3



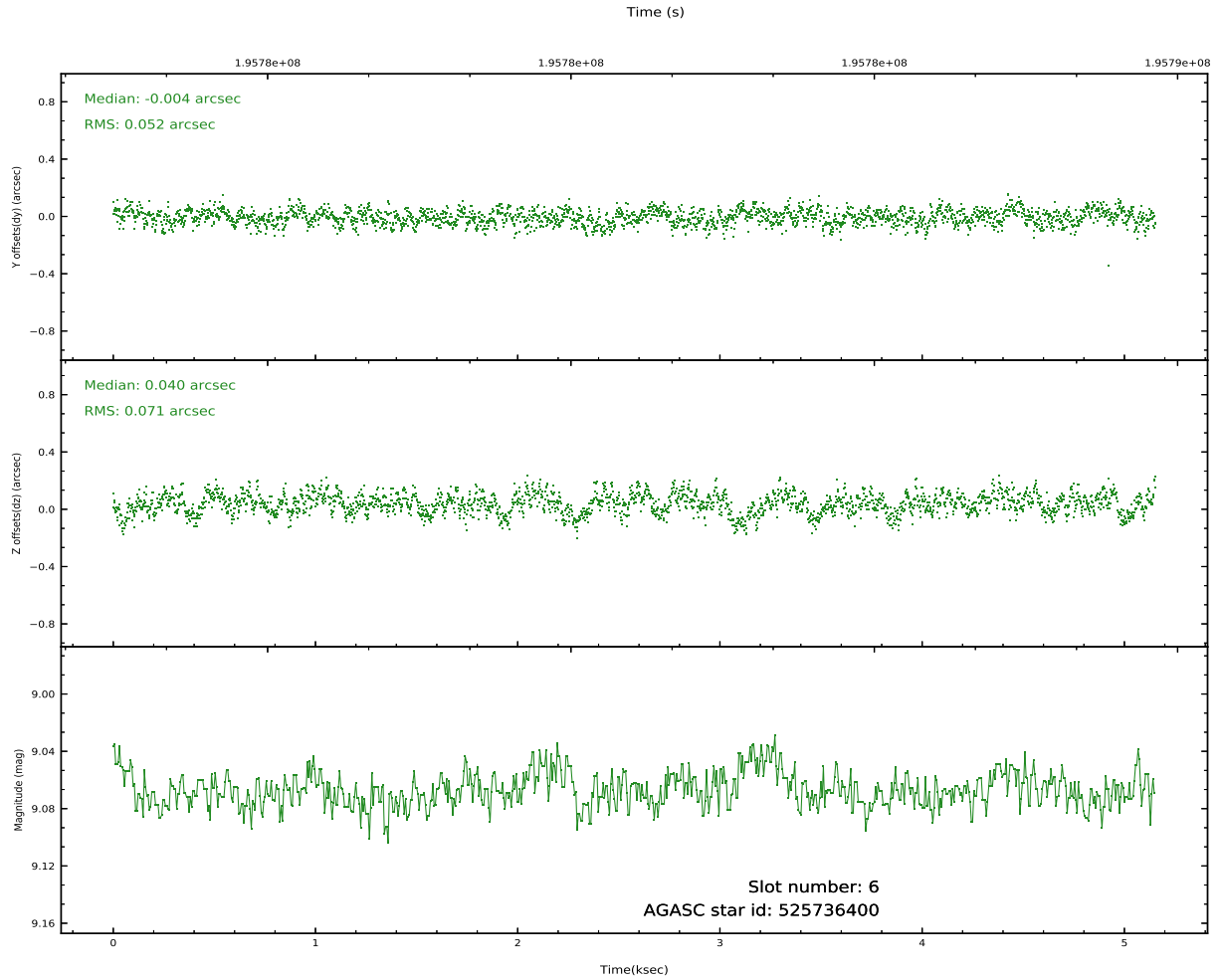
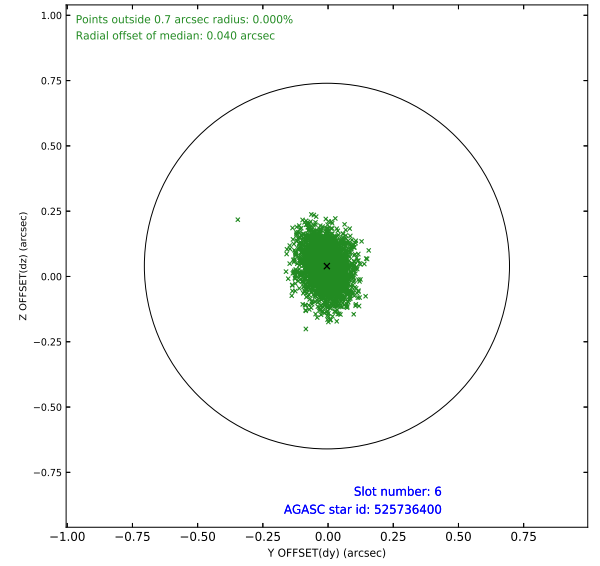
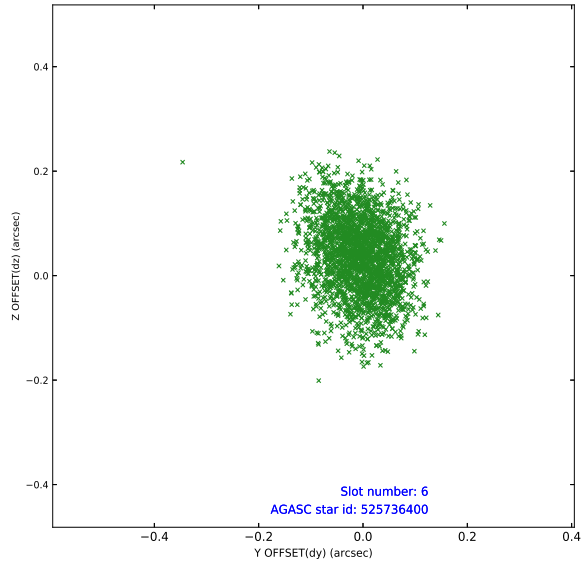
2.4.2 Slot 4



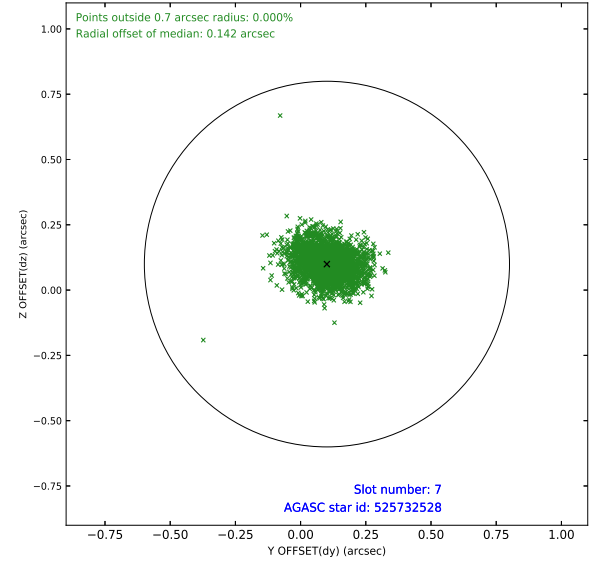
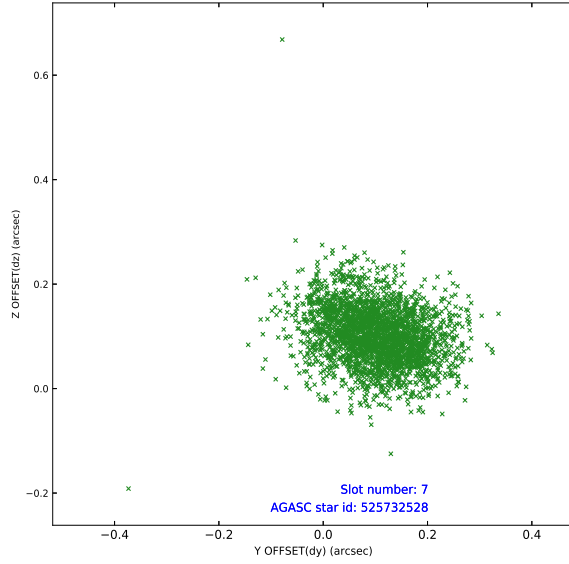
2.4.3 Slot 5



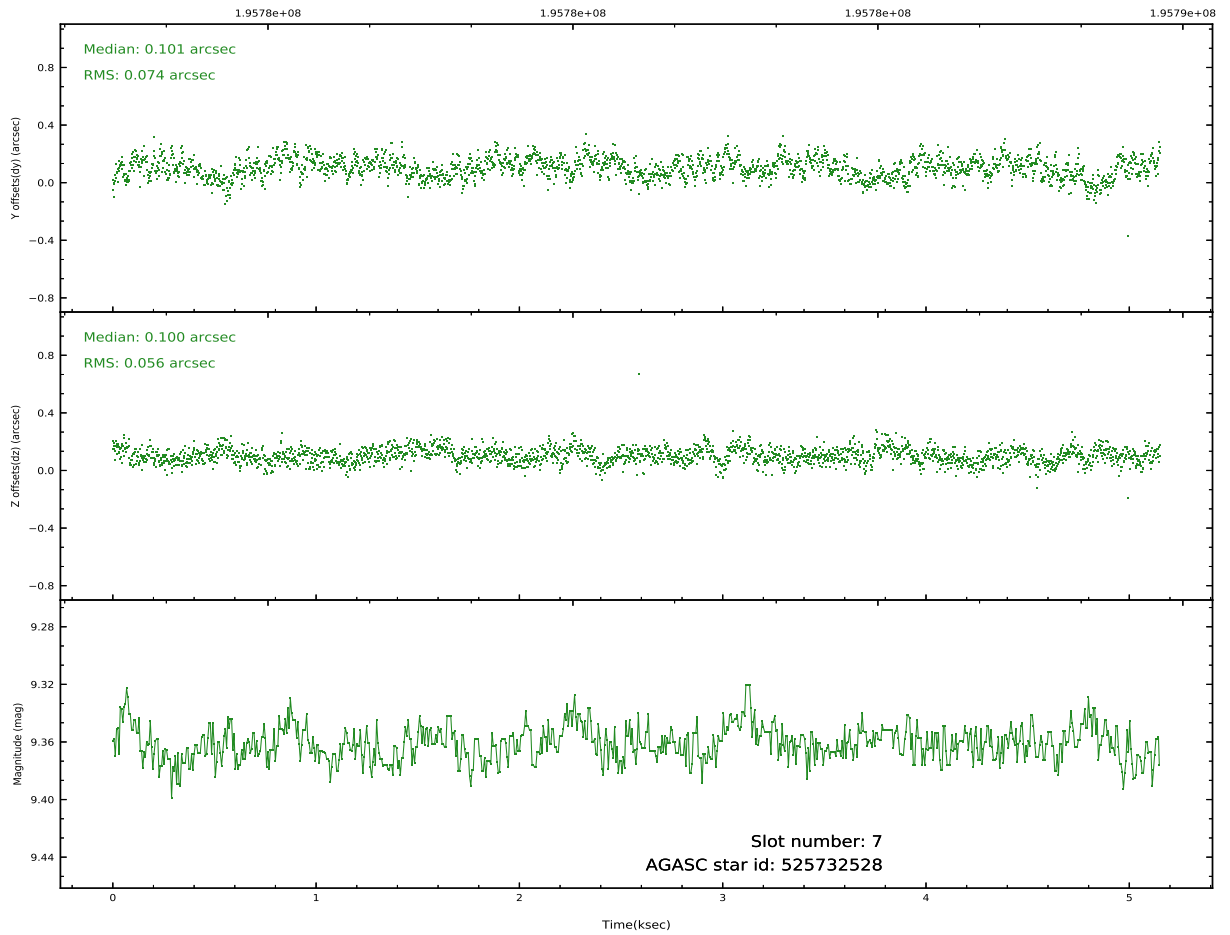
2.4.4 Slot 6



2.4.5 Slot 7

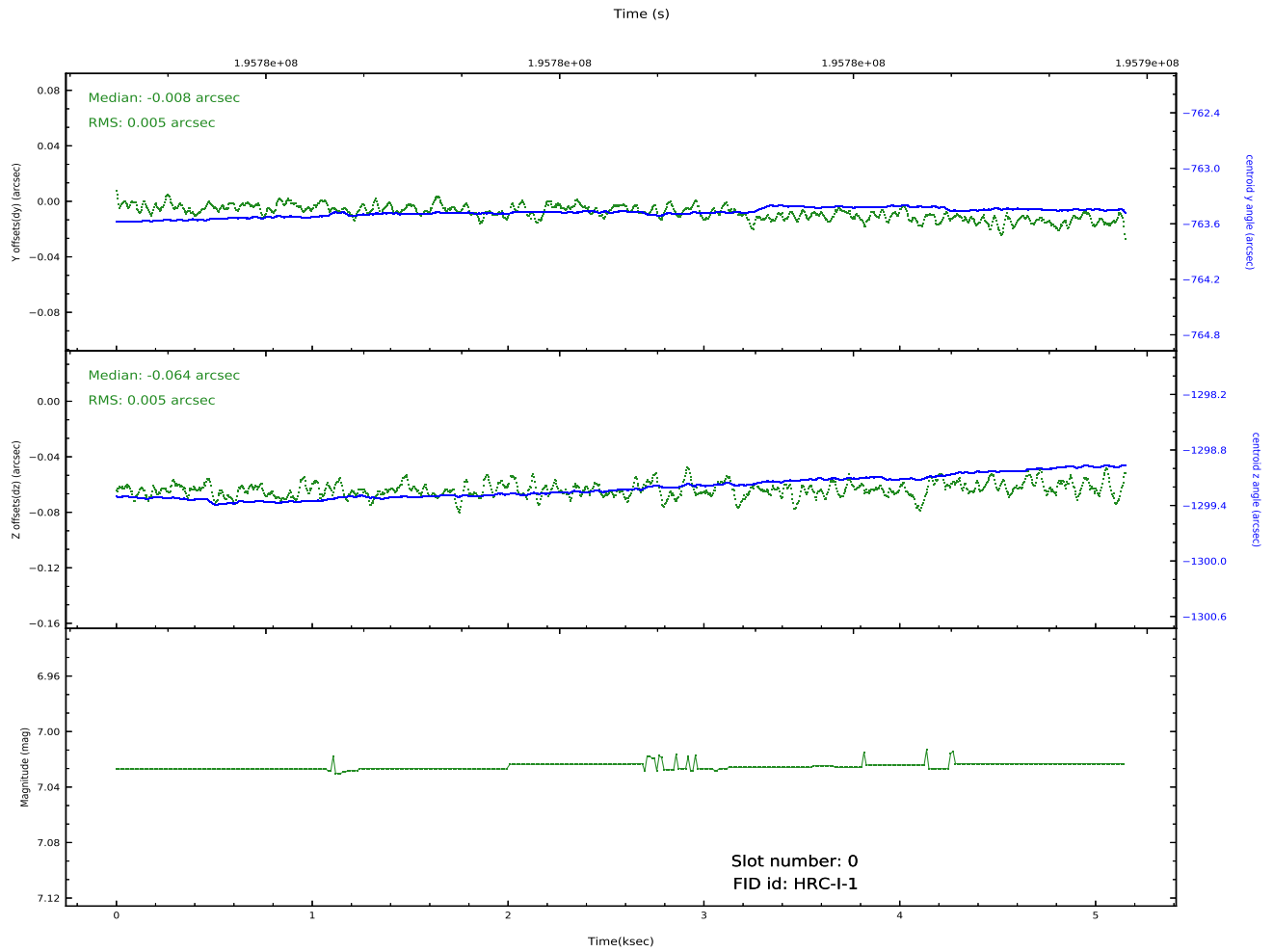
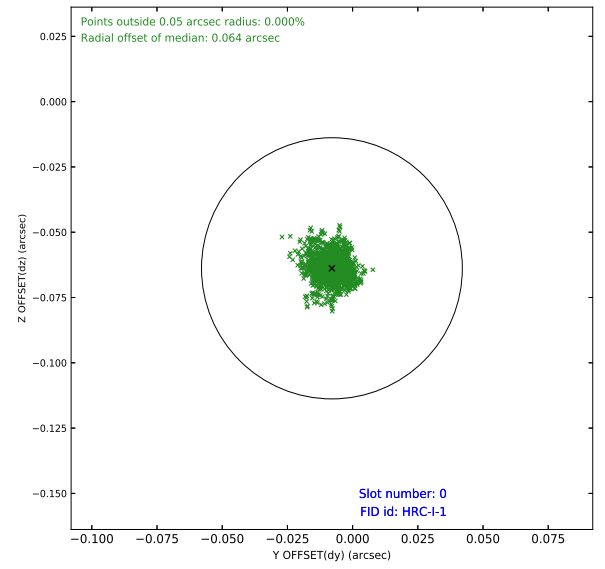
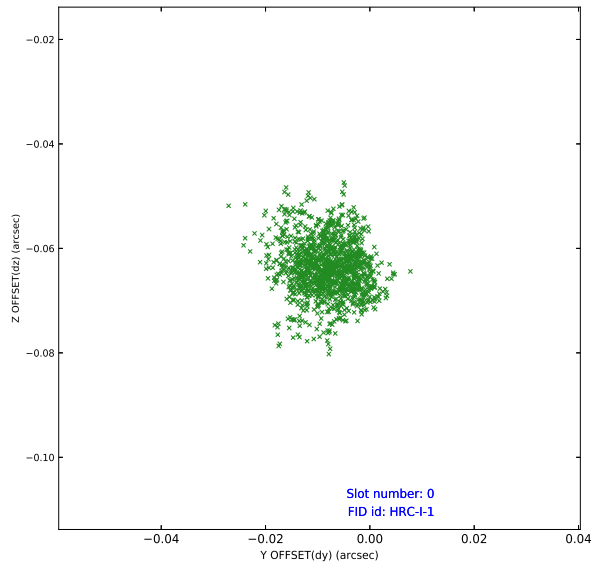


Time (s)

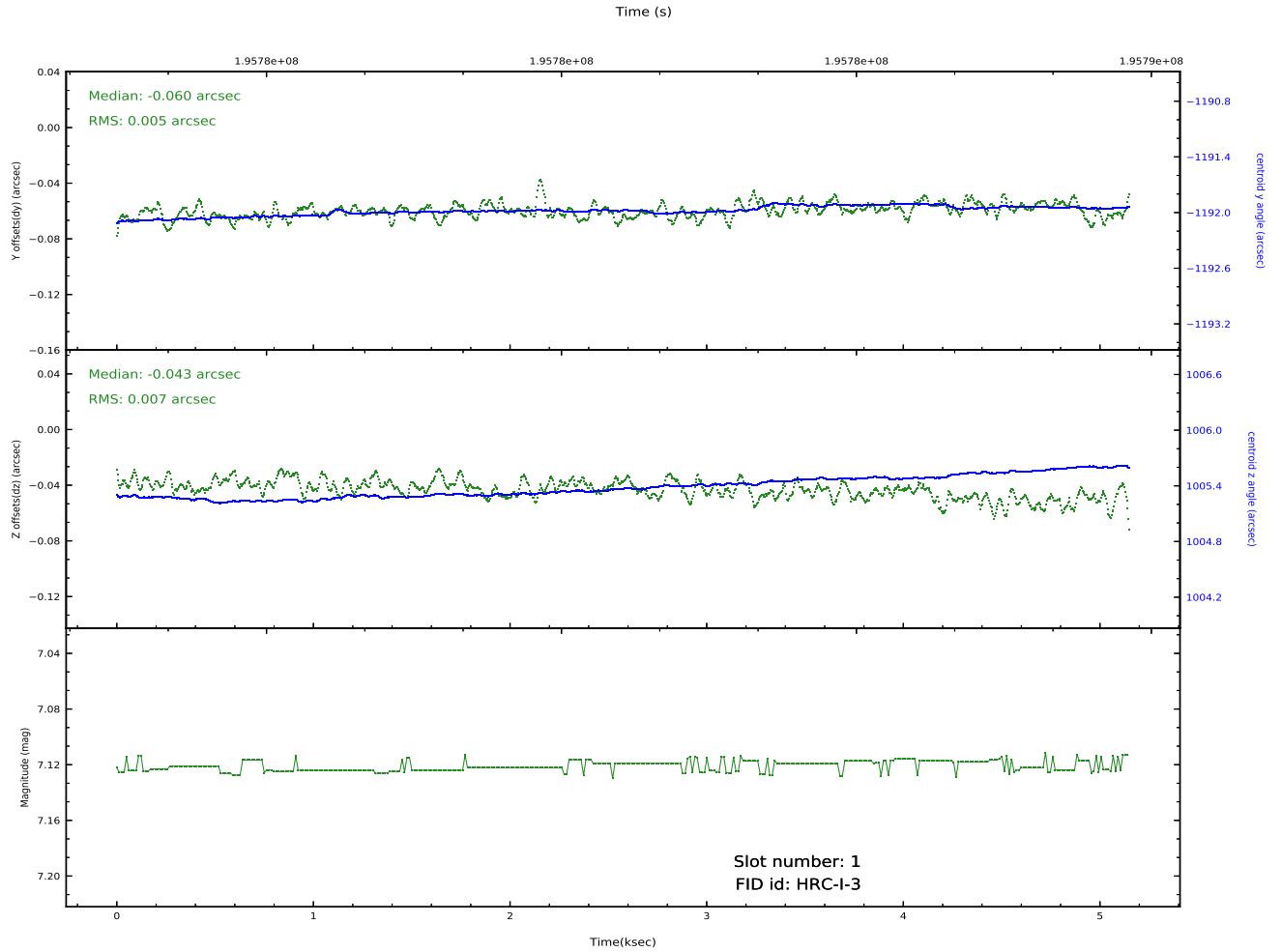
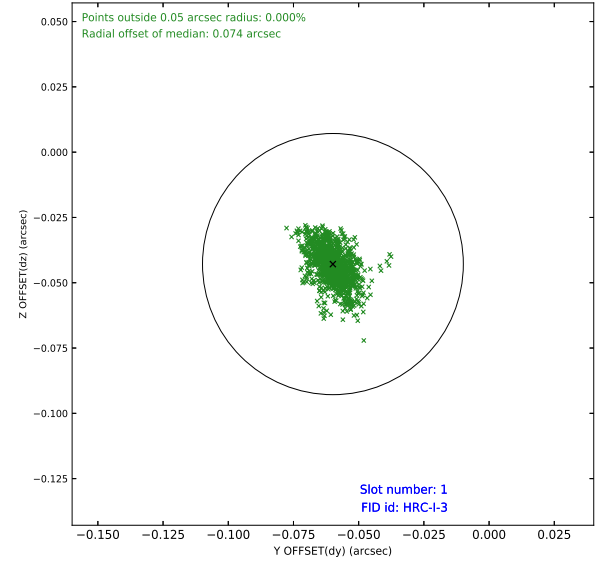
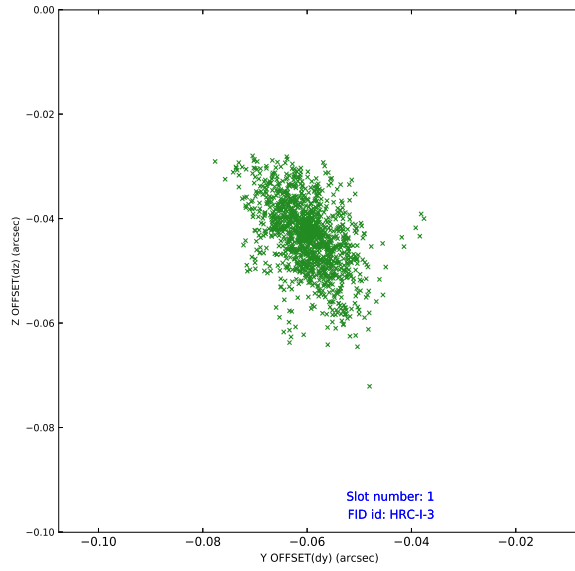


2.5 FID Slots

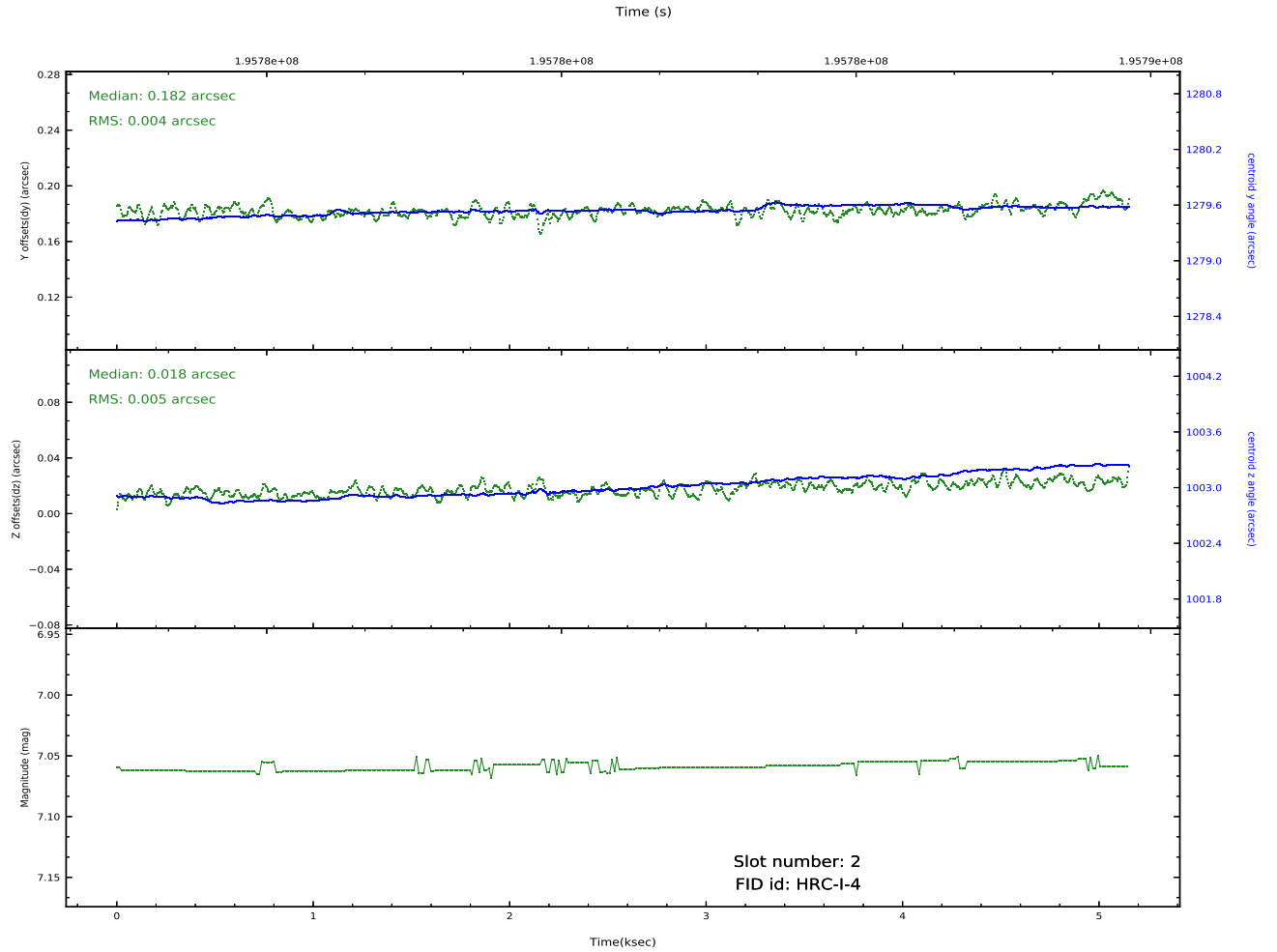
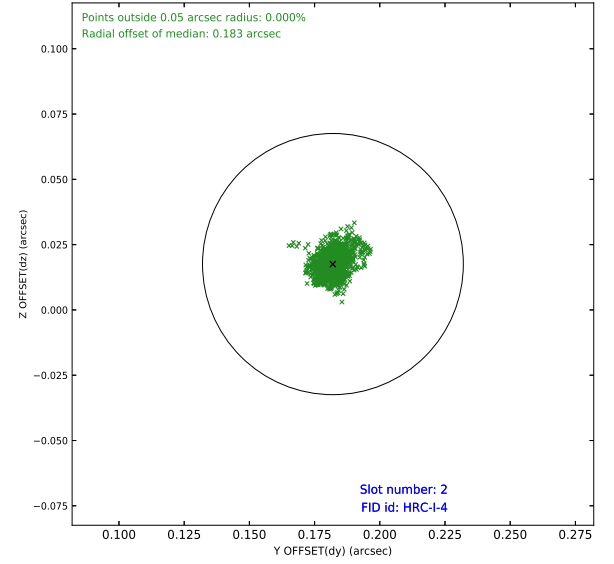
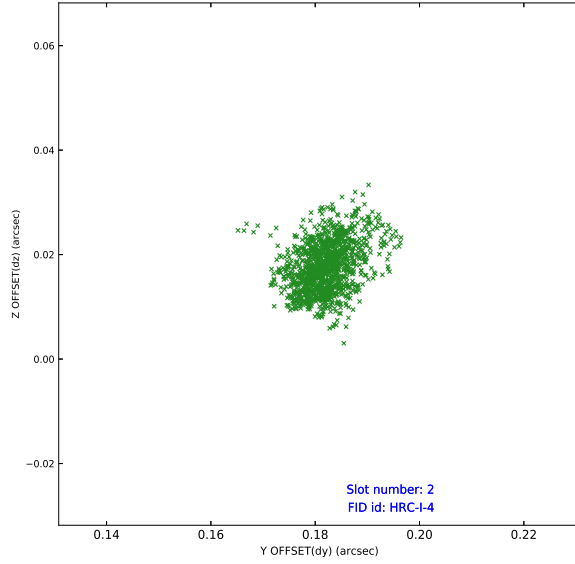
2.5.1 Slot 0



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)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.874

A.2 Comments

Window constraint met.