

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6656 - L2 Version 5
Chandra X-Ray Center

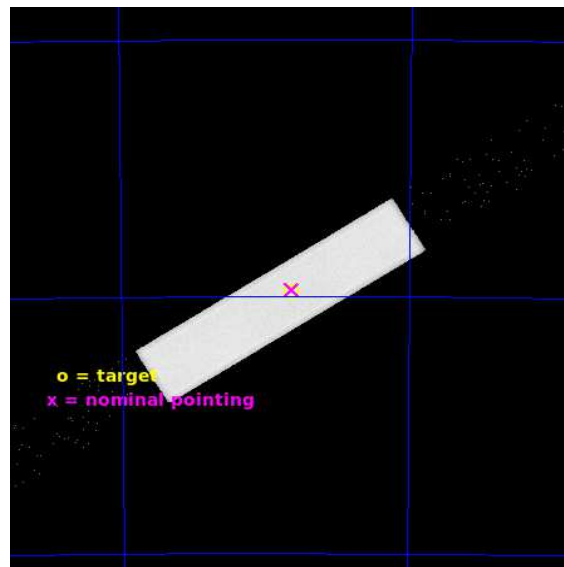
L2 Processing Date : Oct 11 2020

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1 Front

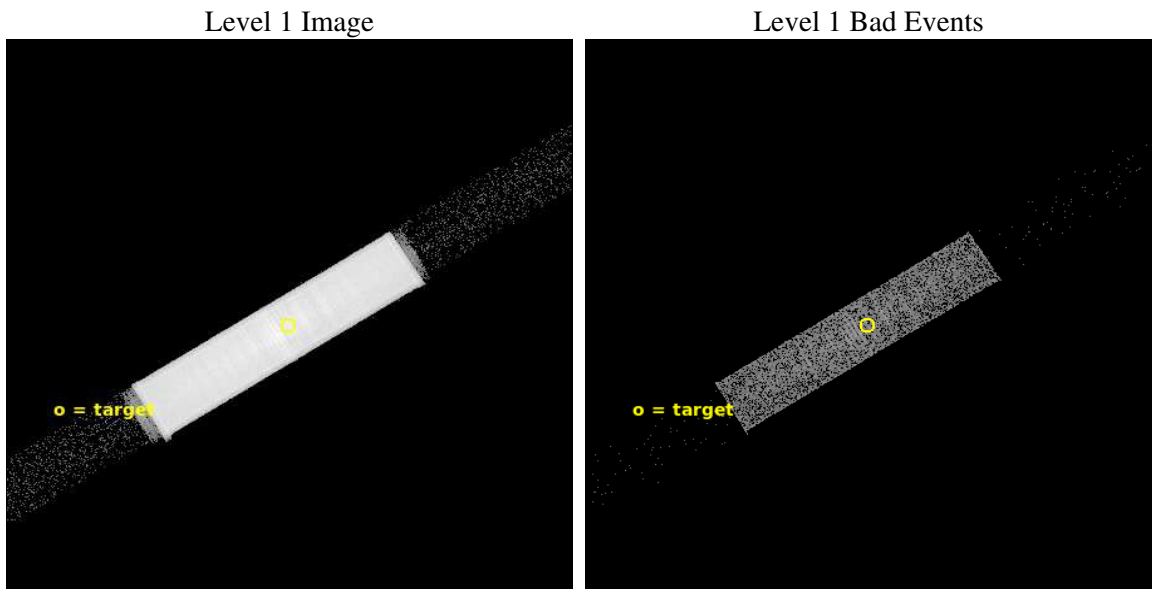
seq_num	500610	Sequence number
obs_id	6656	Observation id
title	Precision X-ray timing and imaging of the young and energetic pulsar PSR J1357-6429	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	PSR J1357-6429	Source name
ra_targ	209.26	Observer's specified target RA [deg]
dec_targ	-64.491722	Observer's specified target Dec [deg]
ra_nom	209.25956742913	Nominal RA [deg]
dec_nom	-64.487484910416	Nominal Dec [deg]
roll_nom	148.05985879183	Nominal Roll [deg]
revision	5	Processing version of data
ontime	17141.075791597	[s]
livetime	17066.040924196	Ontime multiplied by DTCOR
l2events	735494	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	17000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	17141.075791597	[s]
caldsver	4.9.2	 	l1events	1137744	Number of level 1 events
date	2020-10-11T15:57:52	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

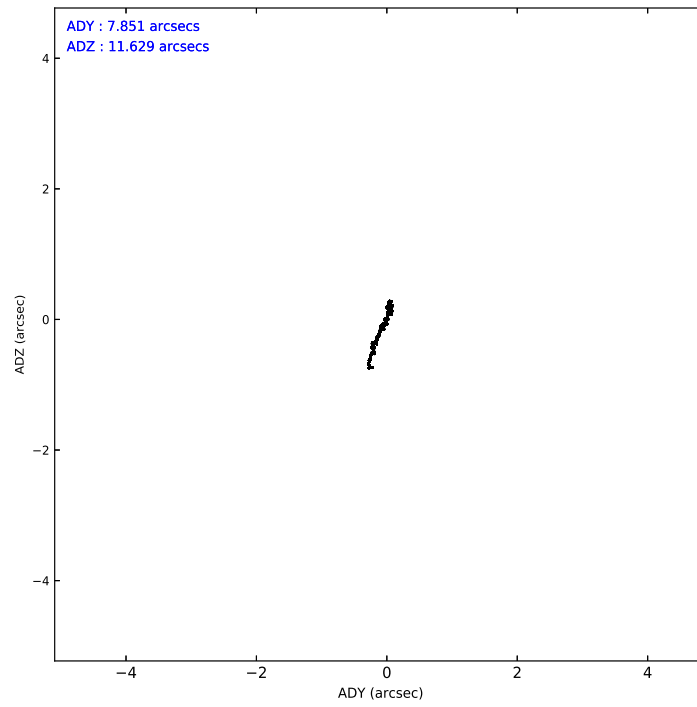
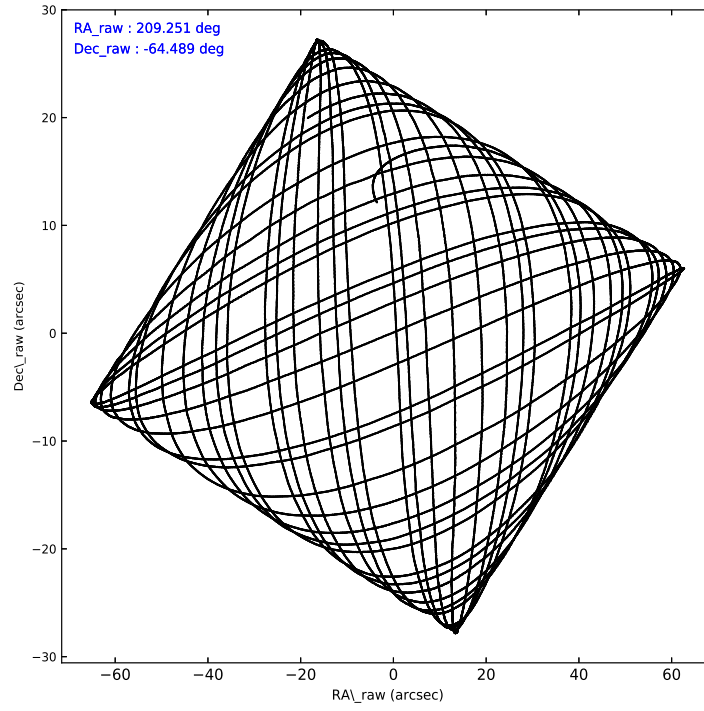
	segment 1	segment 2	segment 3
level 1 events	3274	1132332	2138
rejected events	1638	72342	1528
rejected %	50%	6%	71%

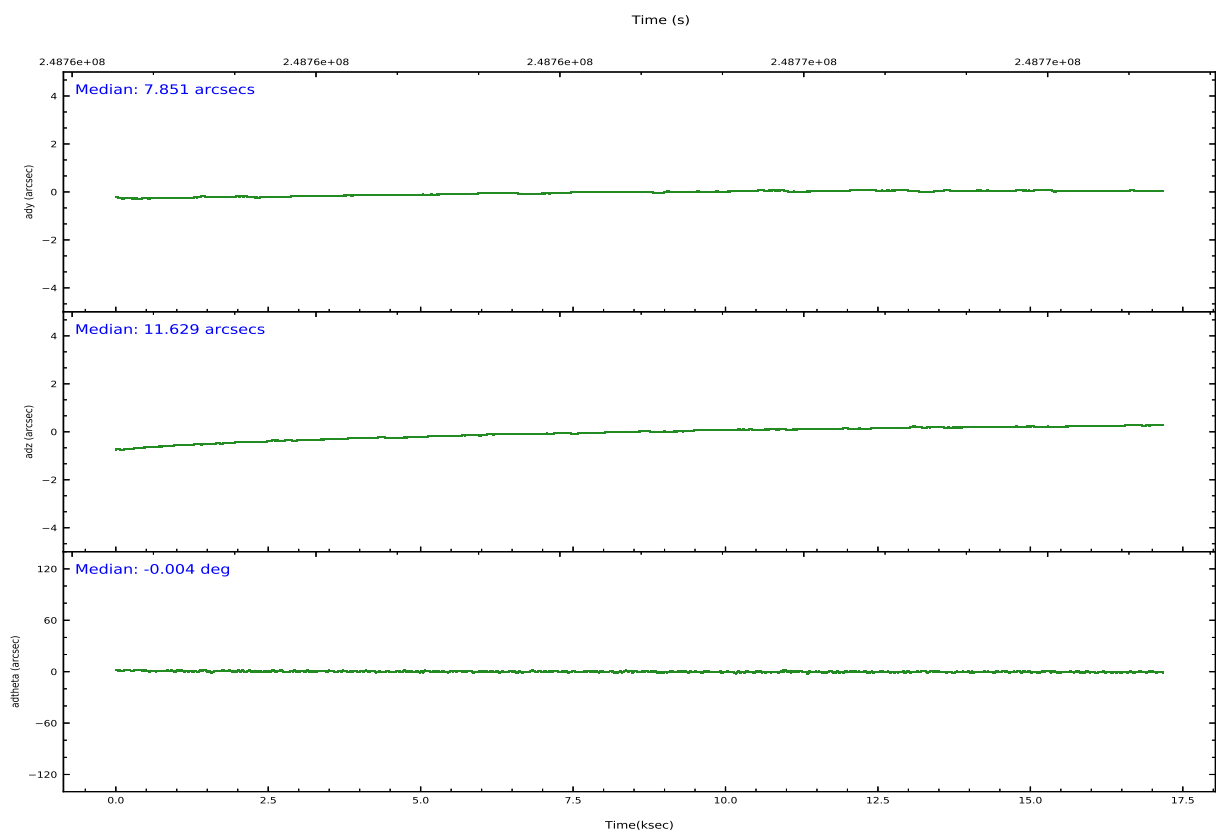
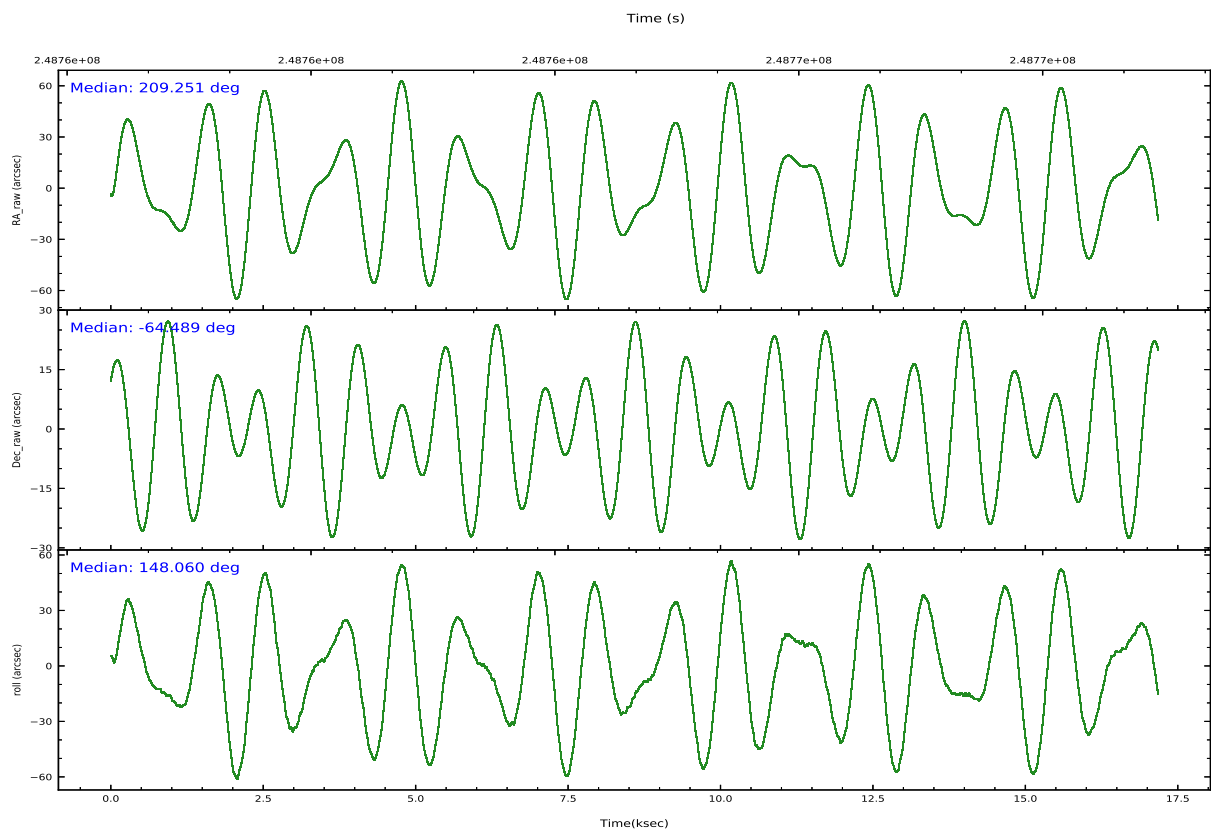
2.2 Compared Parameters

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	209.317345	209.25956742913
[deg] Pointing Dec	-64.488658	-64.487484910416
[deg] Pointing Roll	148.051752	148.05985879183
[mm] SIM focus pos	-1.529586	-1.523540733526241
[mm] SIM defocus	0.003750771043328743	0.009795905878055677
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	248756894.184000	248756063.13211
Observation start date	2005-11-19T03:07:10	2005-11-19T02:54:23
[s] Observation end time (MET)	248773894.184000	248774444.45796
Observation end date	2005-11-19T07:50:30	2005-11-19T08:00:44

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

2.3 Aspect



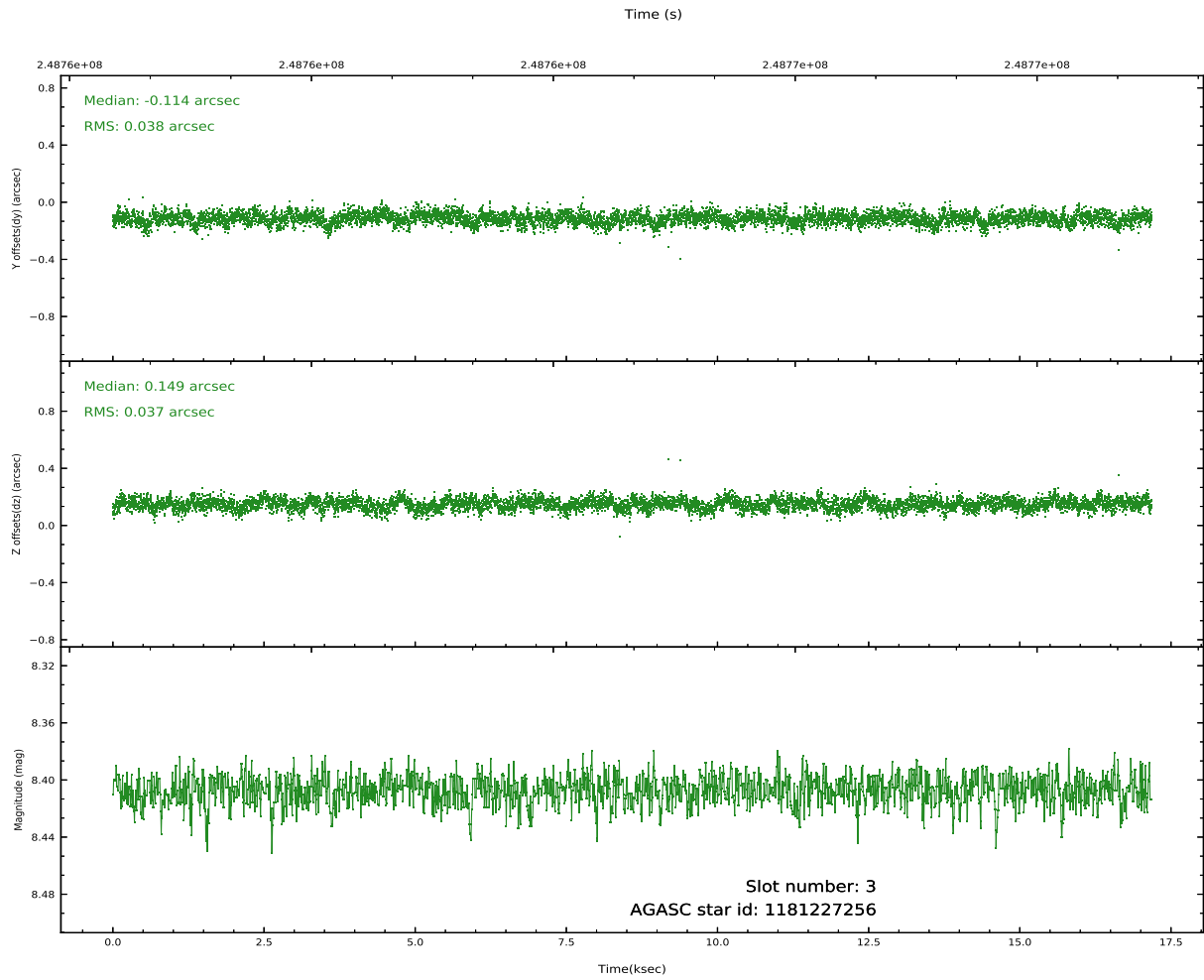
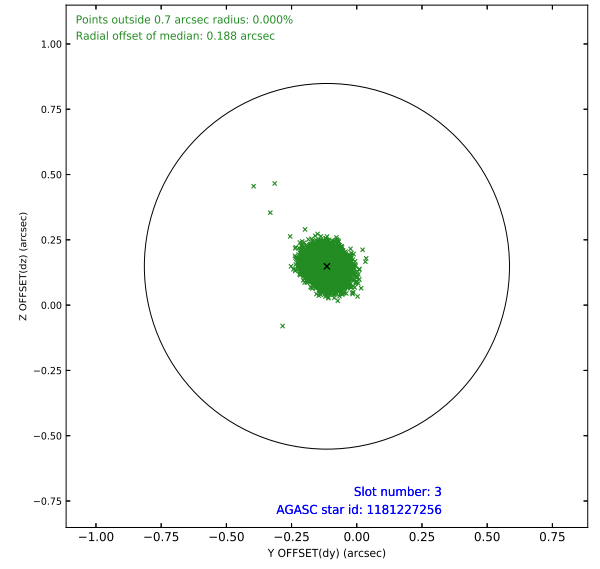
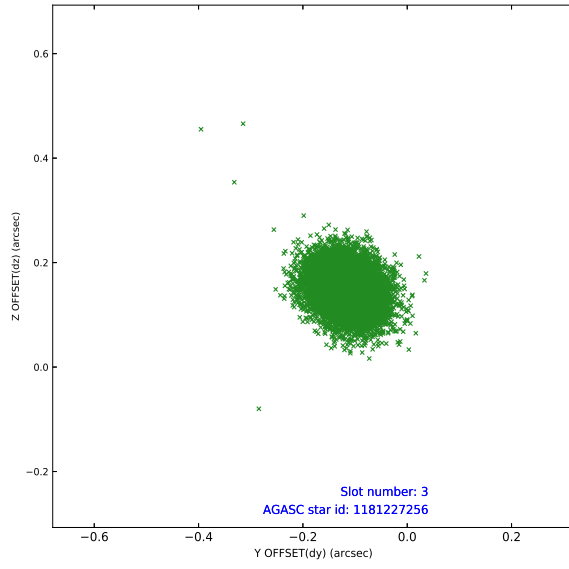


Slot Statistics

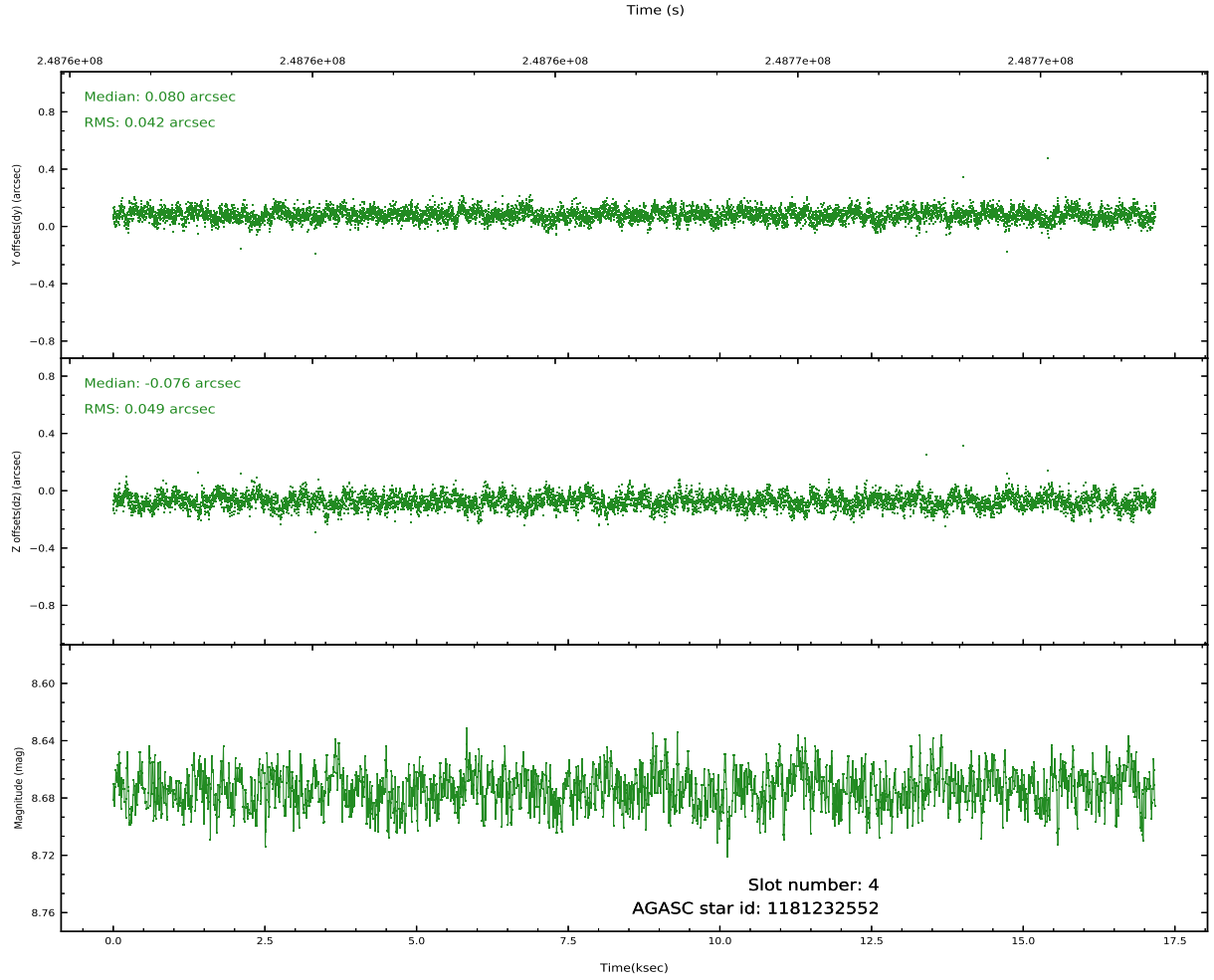
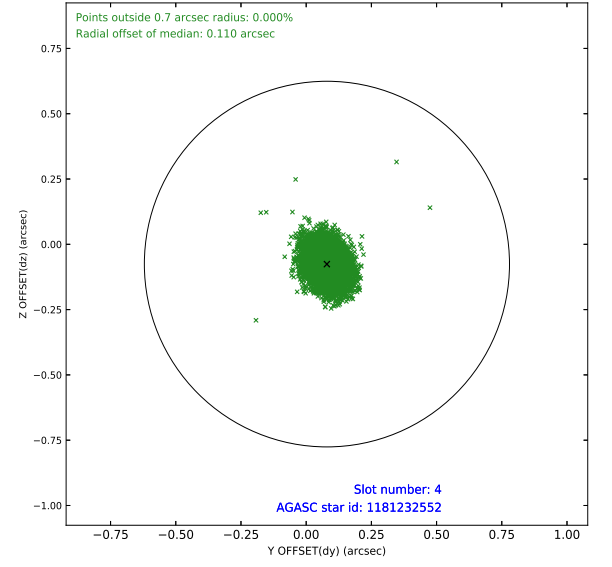
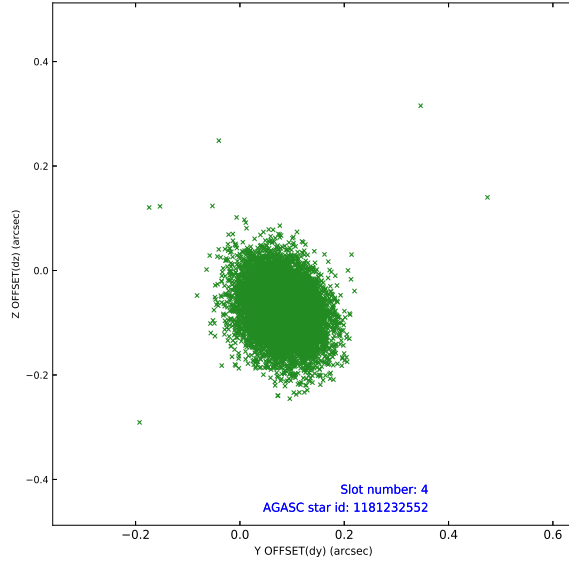
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.05	4189	1.000	0.115	-0.157	0.015	0.033	0.000000	0.000000	-1161.96	-460
1	FID		HRC-S-2	7.05	4190	1.000	0.200	-0.124	0.010	0.018	0.000000	0.000000	1237.50	-452
2	FID		HRC-S-3	7.06	4190	1.000	0.074	-0.021	0.019	0.039	0.000000	0.000000	-1164.44	569
3	GUIDE	used	1181227256	8.41	8380	1.000	-0.114	0.149	0.056	0.091	208.179405	-64.135660	2180.73	-118
4	GUIDE	used	1181232552	8.67	8378	1.000	0.080	-0.076	0.068	0.112	208.565497	-64.494630	974.74	641
5	GUIDE	used	1181238104	8.91	8379	1.000	0.044	0.003	0.090	0.140	208.215848	-64.823325	786.60	1927
6	GUIDE	used	1181231456	8.25	8375	1.000	0.013	-0.094	0.074	0.117	208.536615	-64.944484	138.25	2028
7	GUIDE	used	1181359360	8.29	8378	1.000	-0.020	0.017	0.069	0.107	211.217976	-64.384352	-2333.81	-1845

2.4 Star Slots

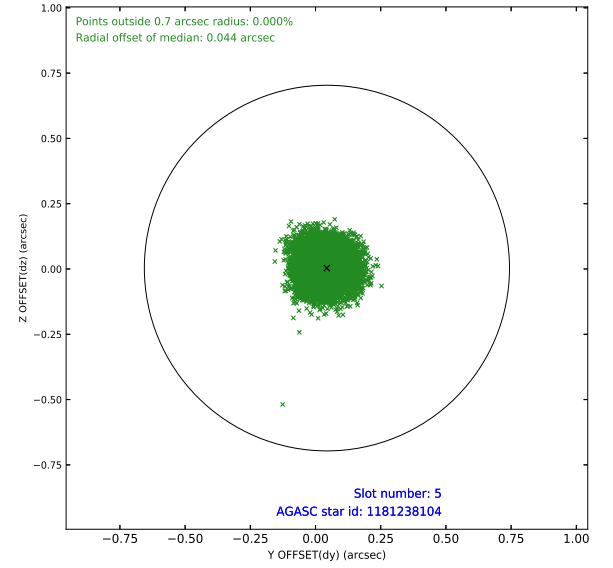
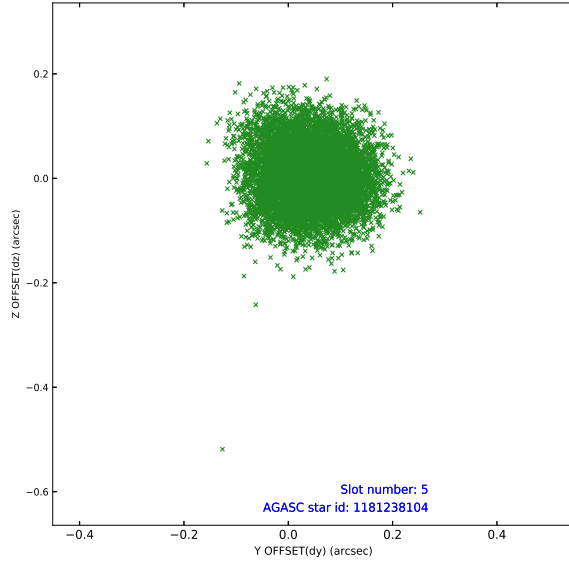
2.4.1 Slot 3



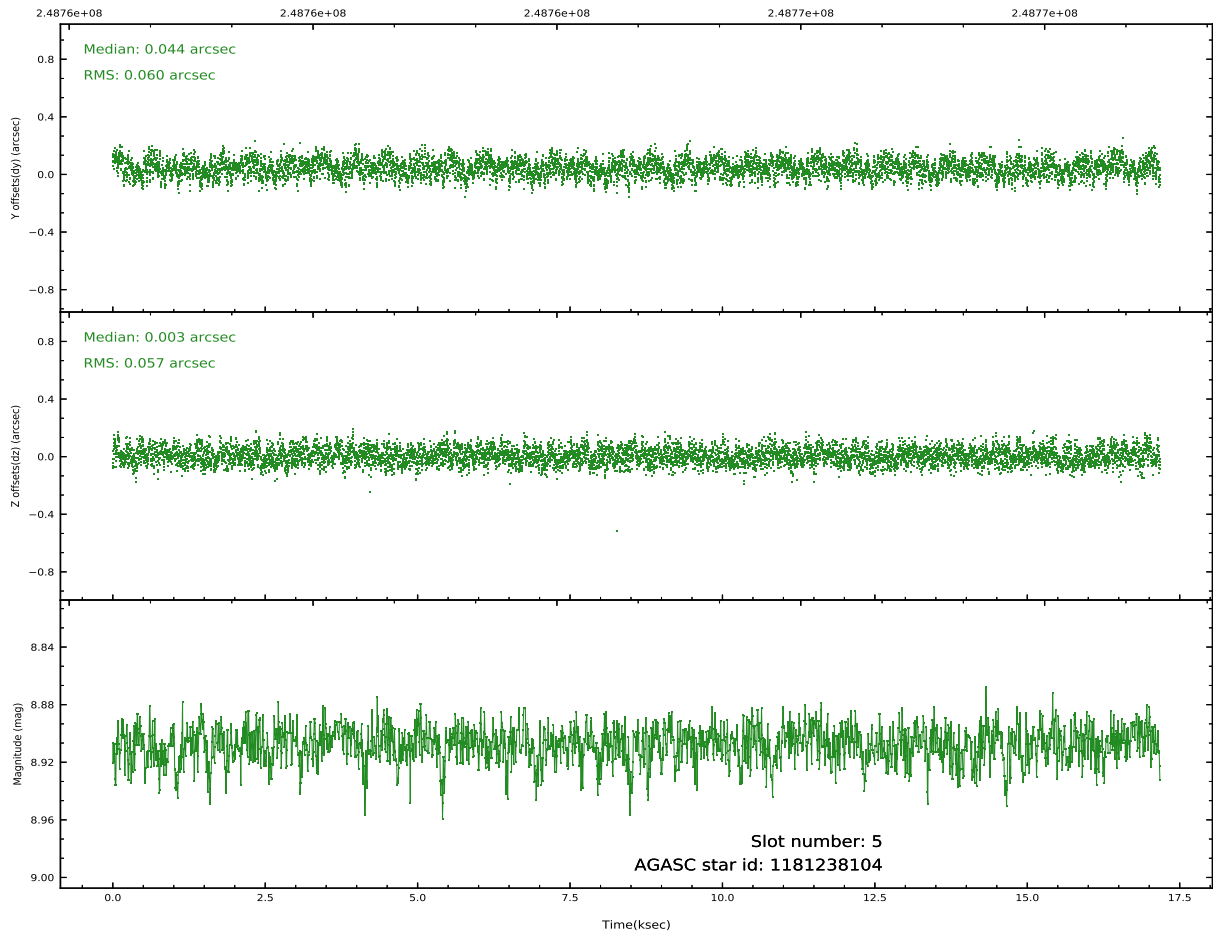
2.4.2 Slot 4



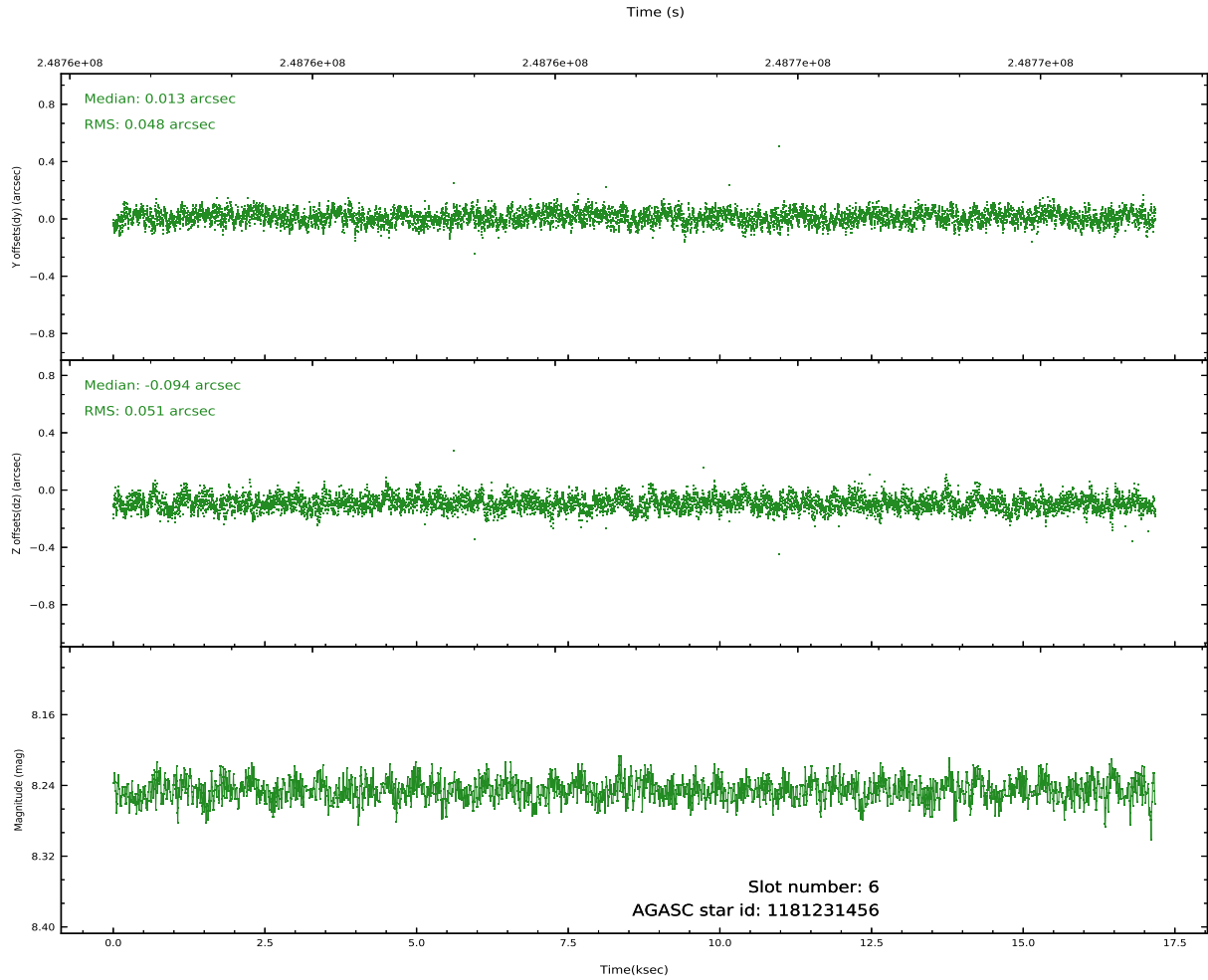
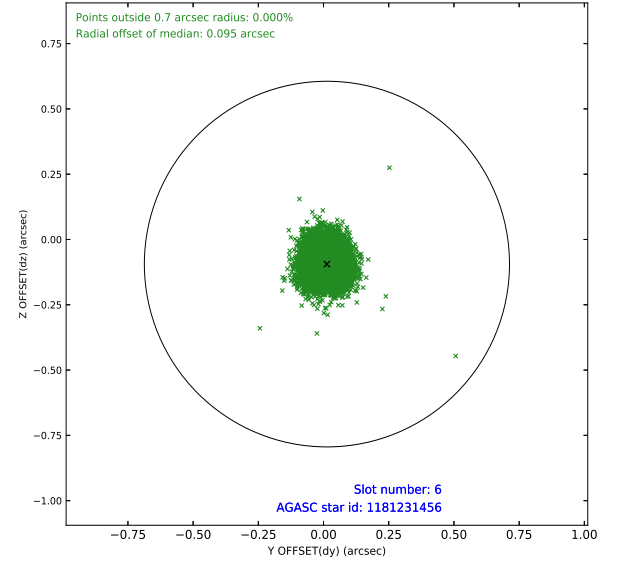
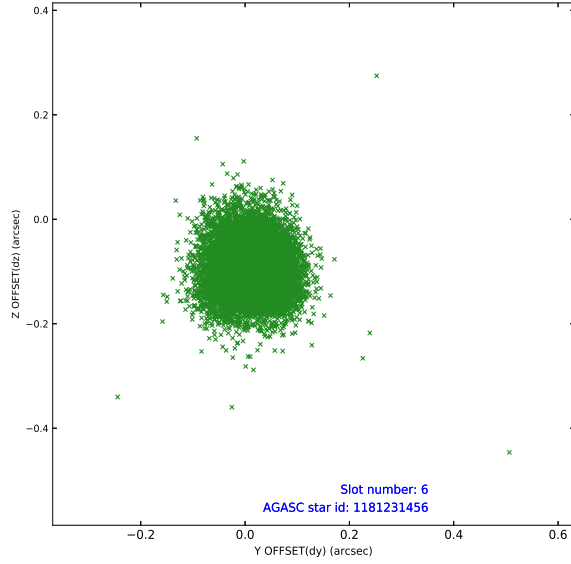
2.4.3 Slot 5



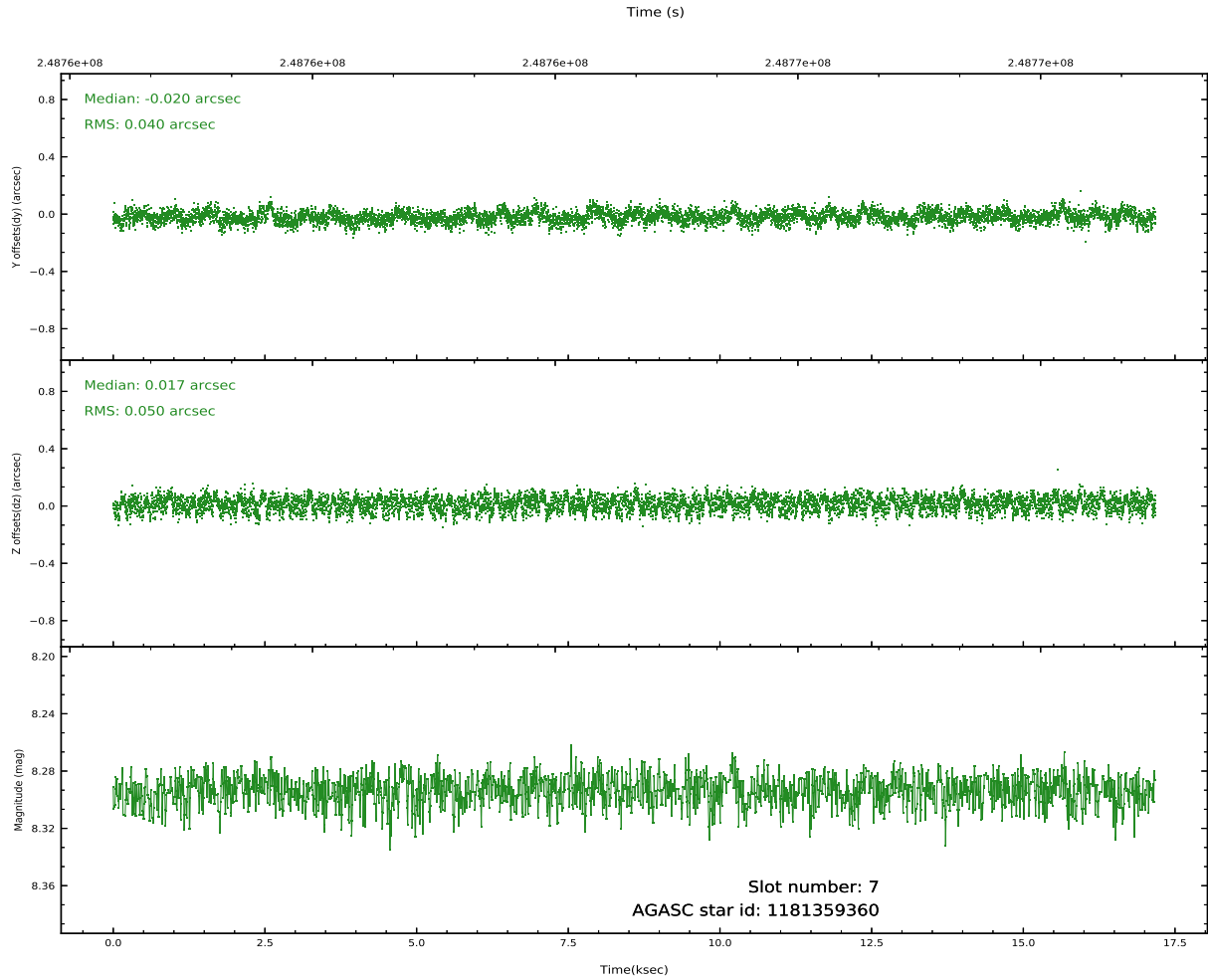
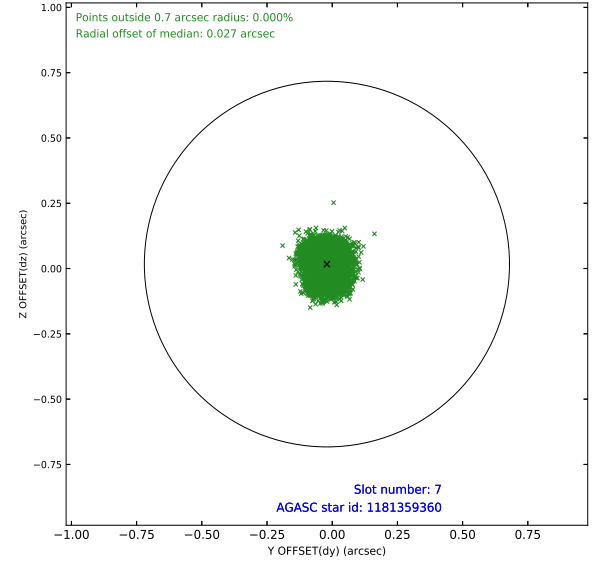
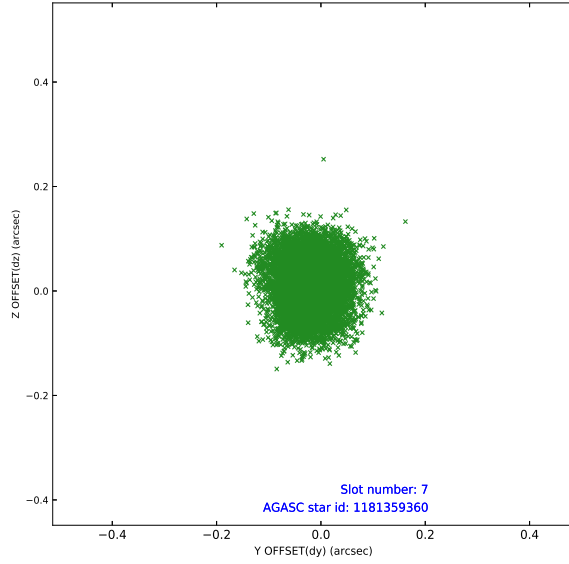
Time (s)



2.4.4 Slot 6

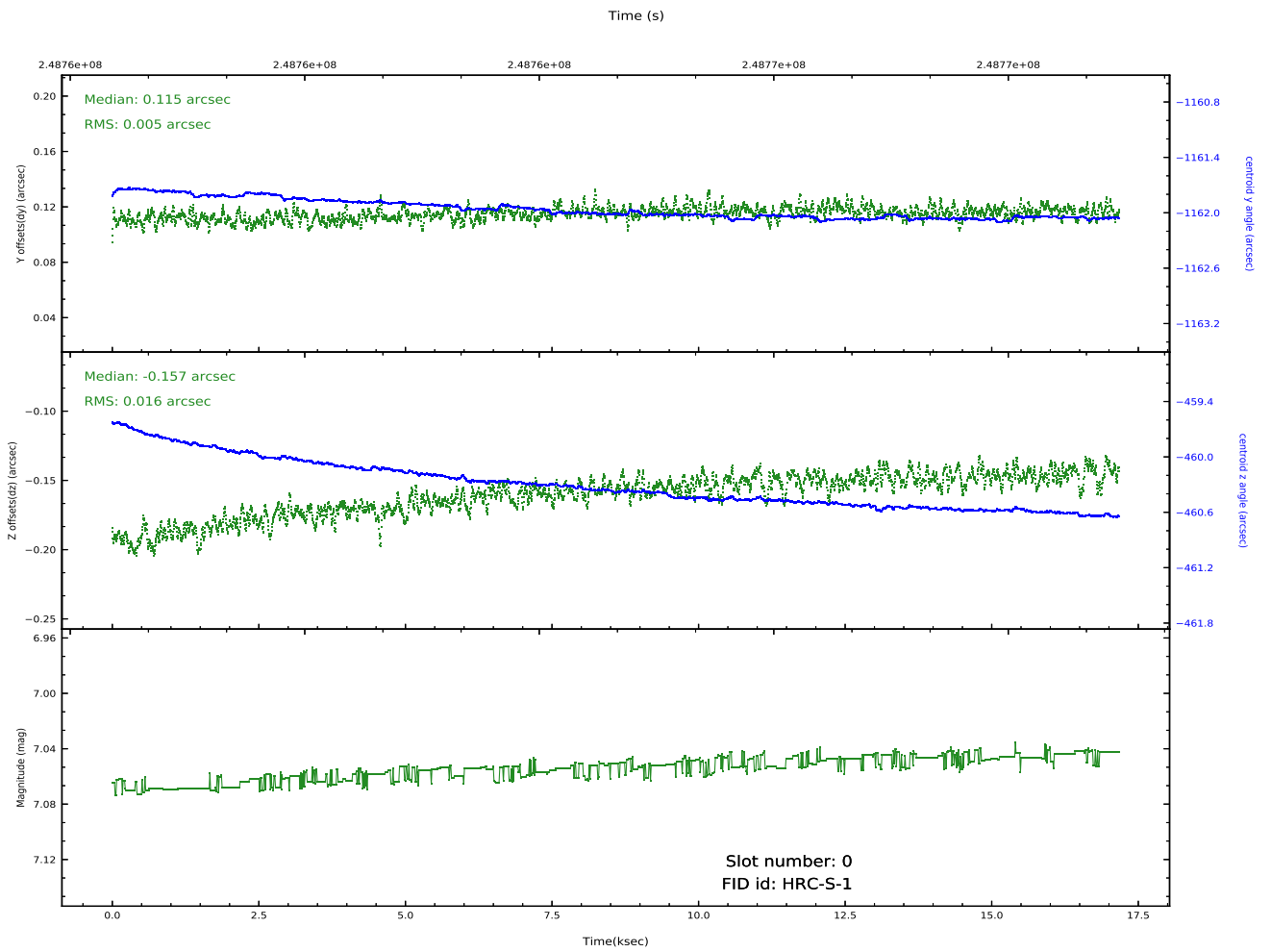
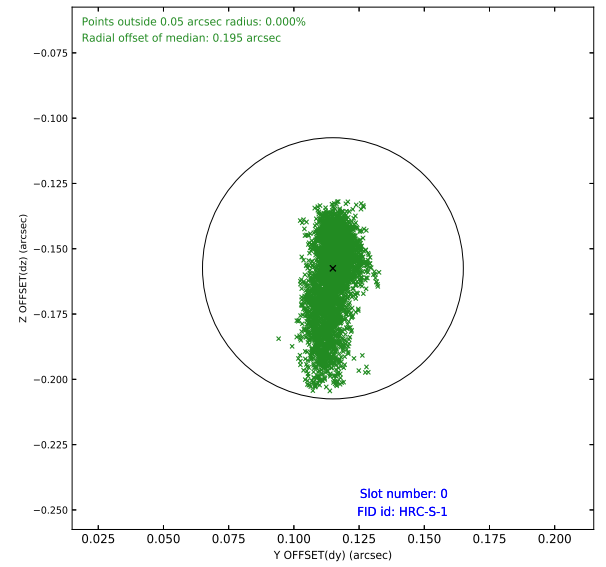
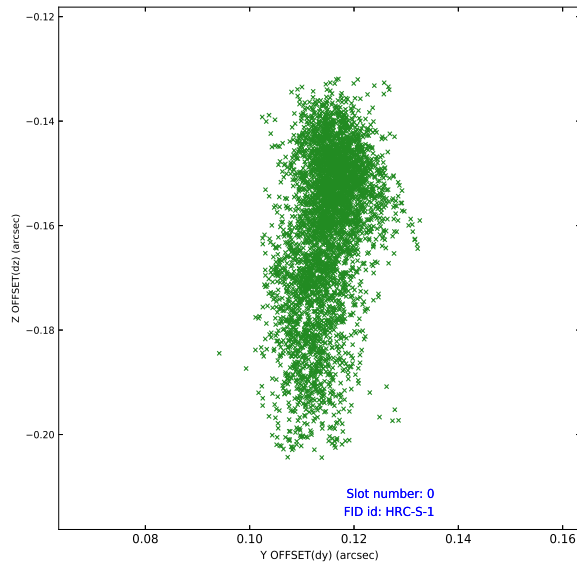


2.4.5 Slot 7

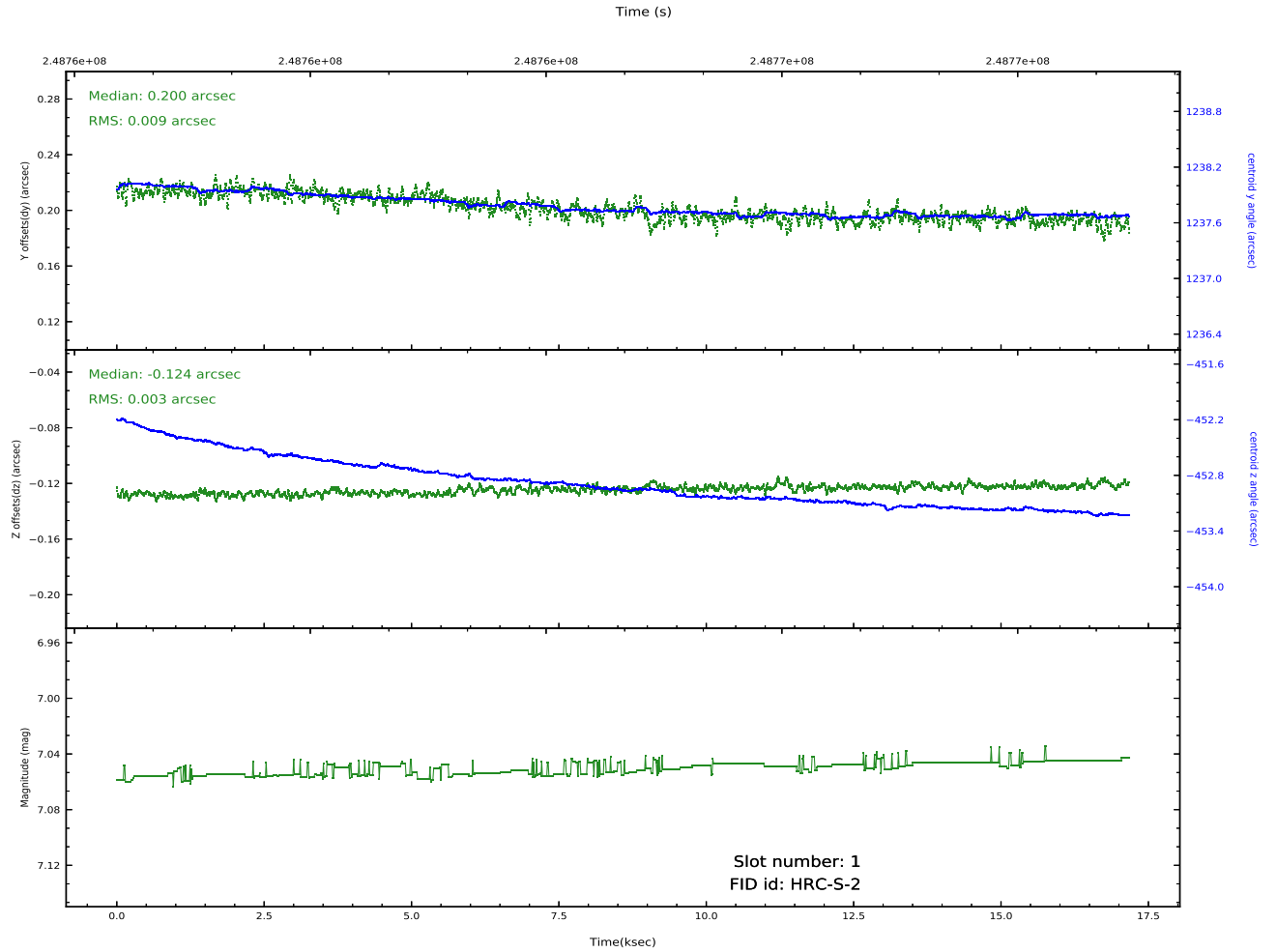
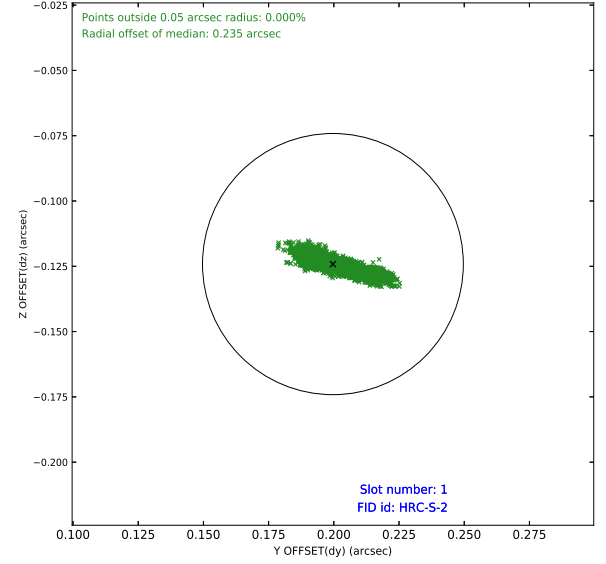
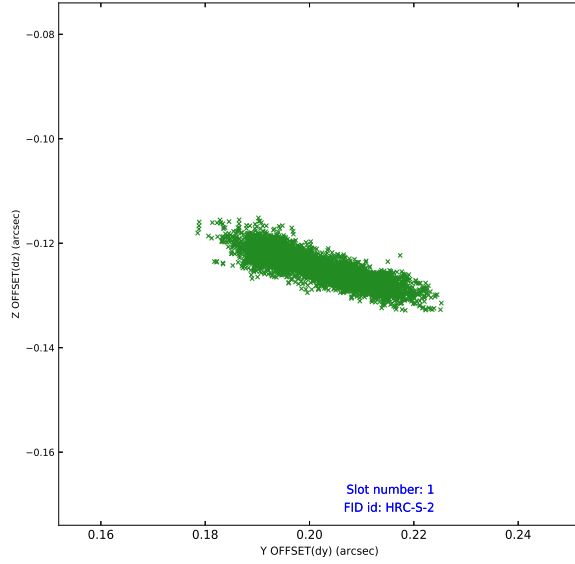


2.5 FID Slots

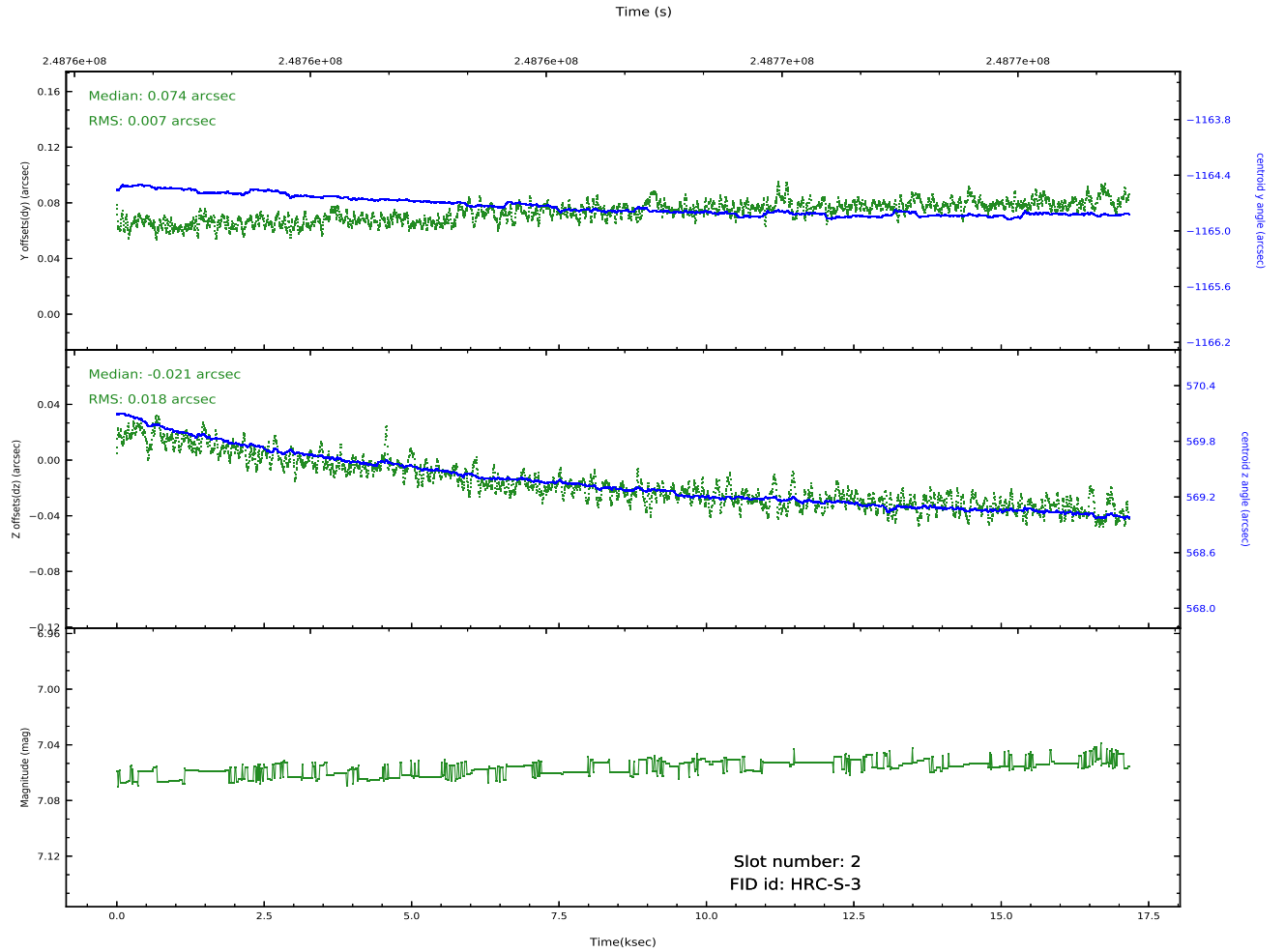
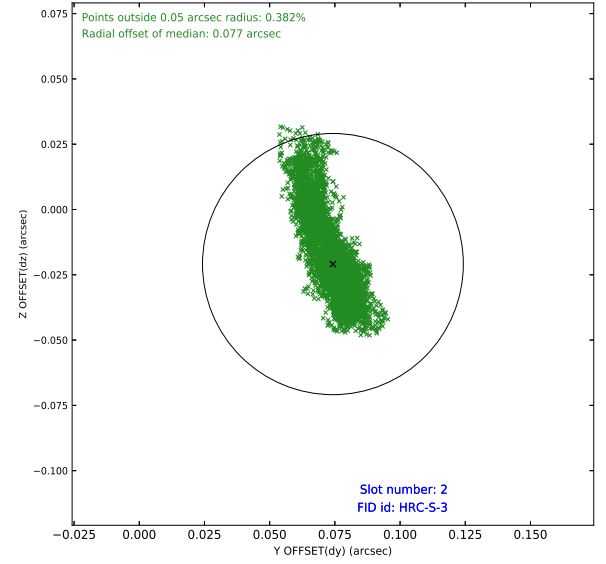
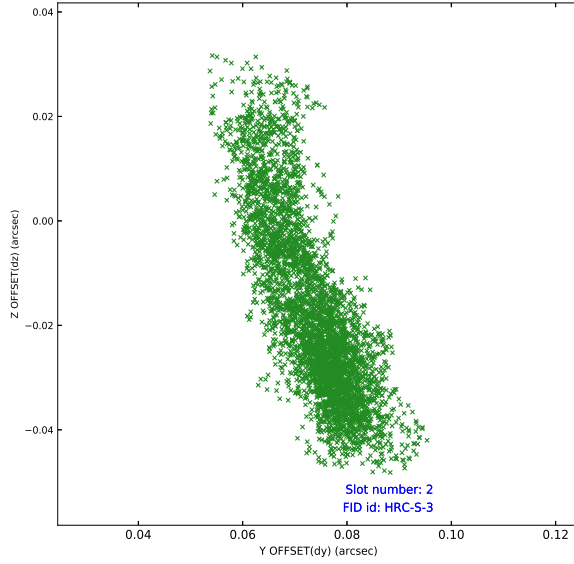
2.5.1 Slot 0



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)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.14107

A.2 Comments