

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 7219 - L2 Version 5
Chandra X-Ray Center

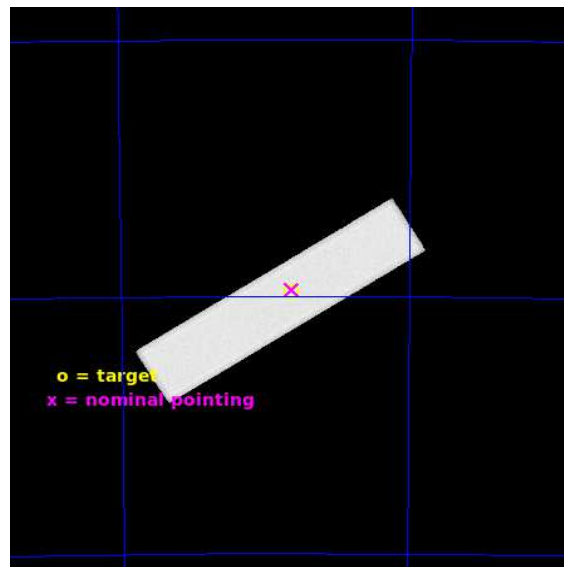
L2 Processing Date : Oct 11 2020

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1 Front

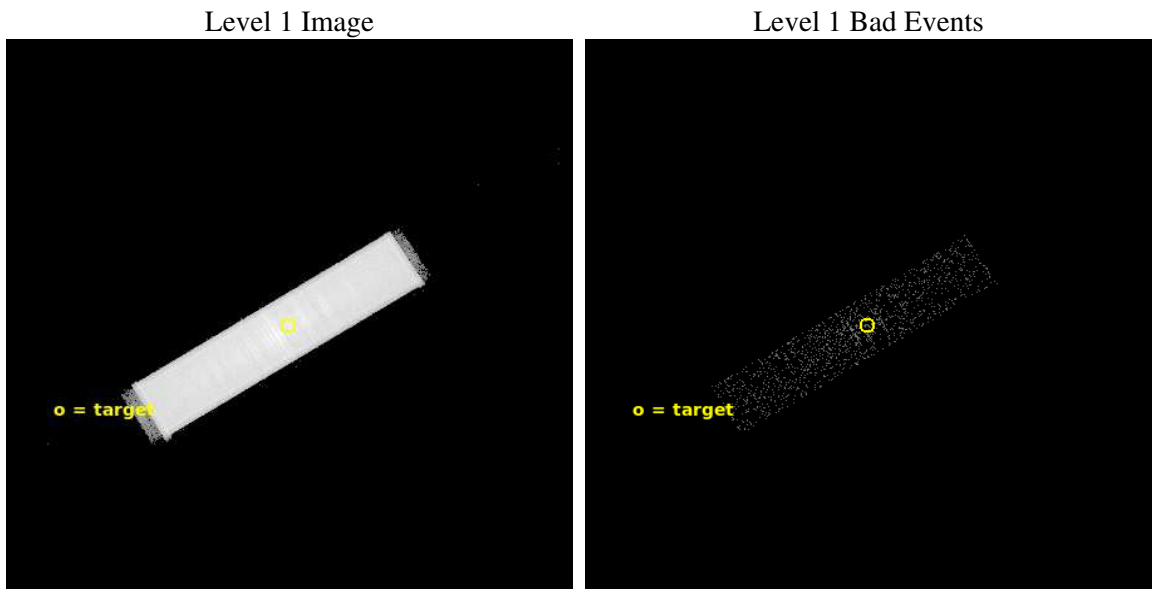
seq_num	500610	Sequence number
obs_id	7219	Observation id
title	Precision X-ray timing and imaging of the young and energetic pulsar PSR J1357-6429	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	PSR J1357-6429	Source name
ra_targ	209.26	Observer's specified target RA [deg]
dec_targ	-64.491722	Observer's specified target Dec [deg]
ra_nom	209.25925543908	Nominal RA [deg]
dec_nom	-64.487336362571	Nominal Dec [deg]
roll_nom	148.06018932944	Nominal Roll [deg]
revision	5	Processing version of data
ontime	16128.631994814	[s]
livetime	16063.292345441	Ontime multiplied by DTCOR
l2events	645812	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	16000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	16128.631994814	[s]
caldsver	4.9.2	 	l1events	1029769	Number of level 1 events
date	2020-10-11T15:53:45	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

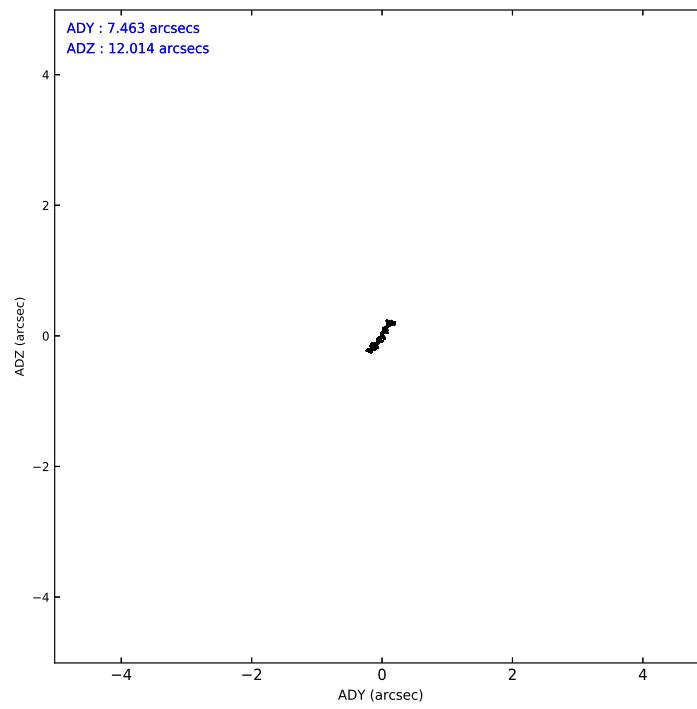
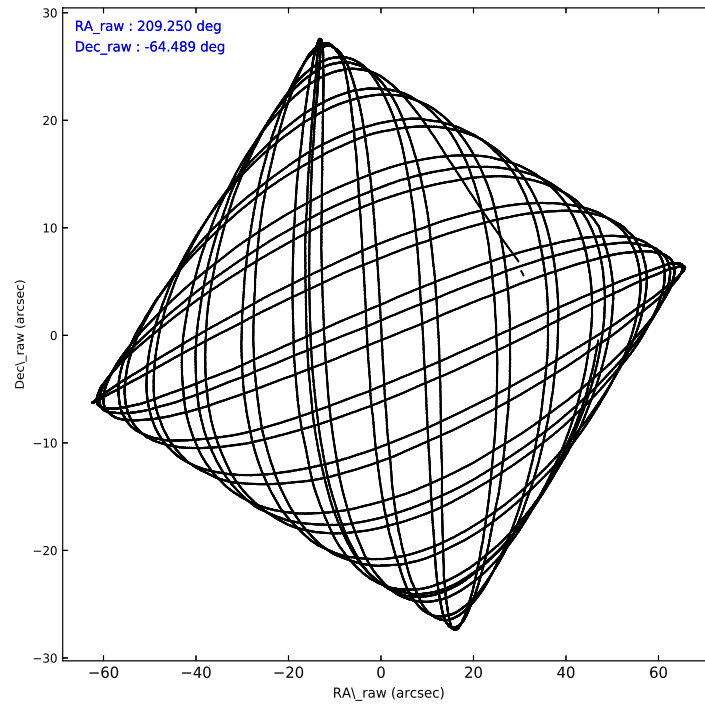
	segment 1	segment 2	segment 3
level 1 events	1481	1027774	514
rejected events	110	75643	38
rejected %	7%	7%	7%

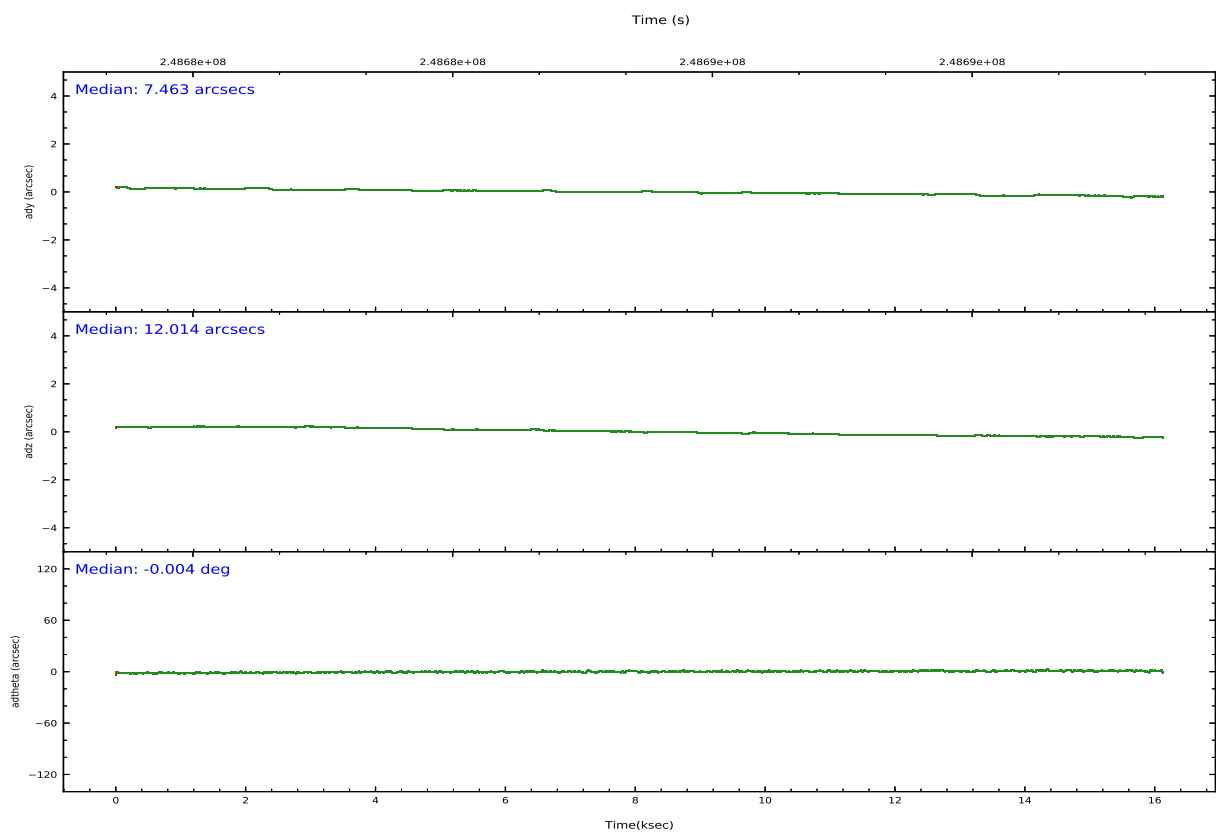
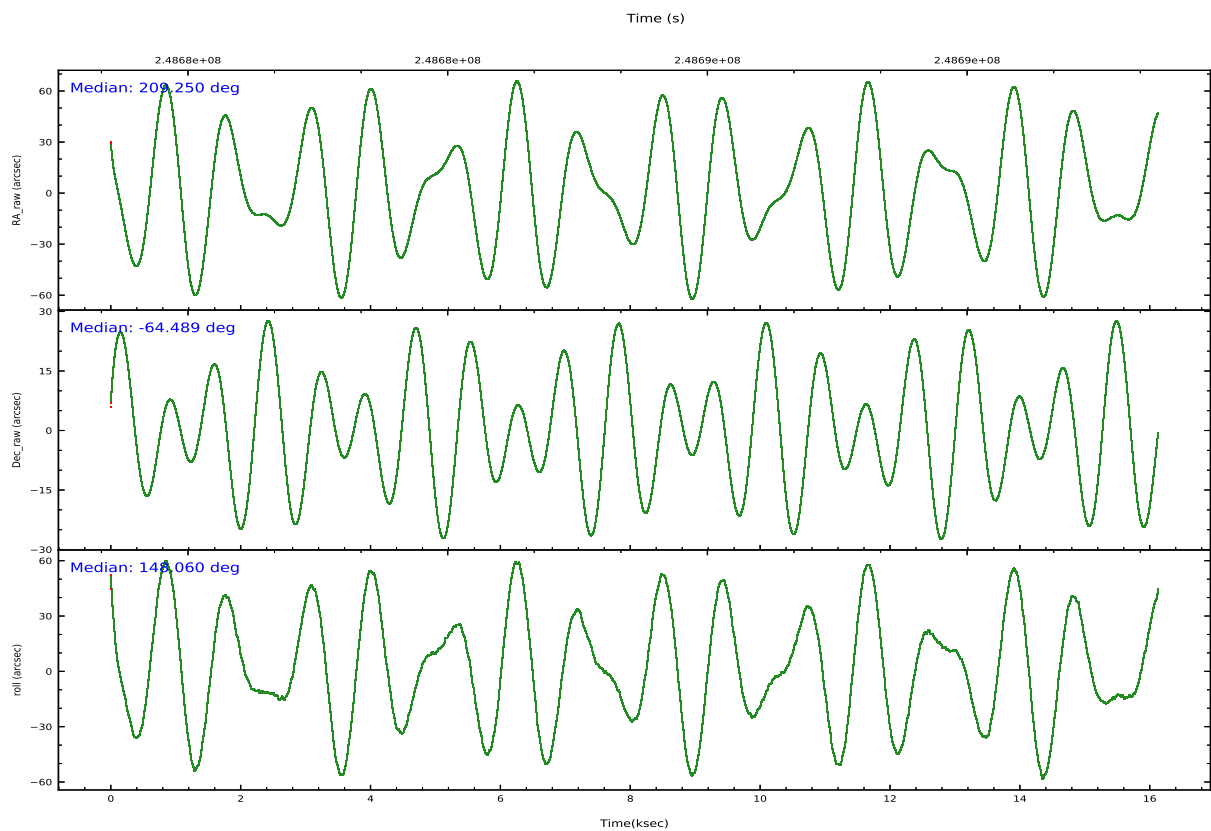
2.2 Compared Parameters

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	209.25925543908
[deg] Pointing Dec	-64.488658	-64.487336362571
[deg] Pointing Roll	148.051752	148.06018932944
[mm] SIM focus pos	-1.529586	-1.523540733526241
[mm] SIM defocus	0.003750771043328743	0.009795905878055677
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	248678942.184000	248677634.22849
Observation start date	2005-11-18T05:27:58	2005-11-18T05:07:14
[s] Observation end time (MET)	248694942.184000	248696398.39186
Observation end date	2005-11-18T09:54:38	2005-11-18T10:19:58

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

2.3 Aspect



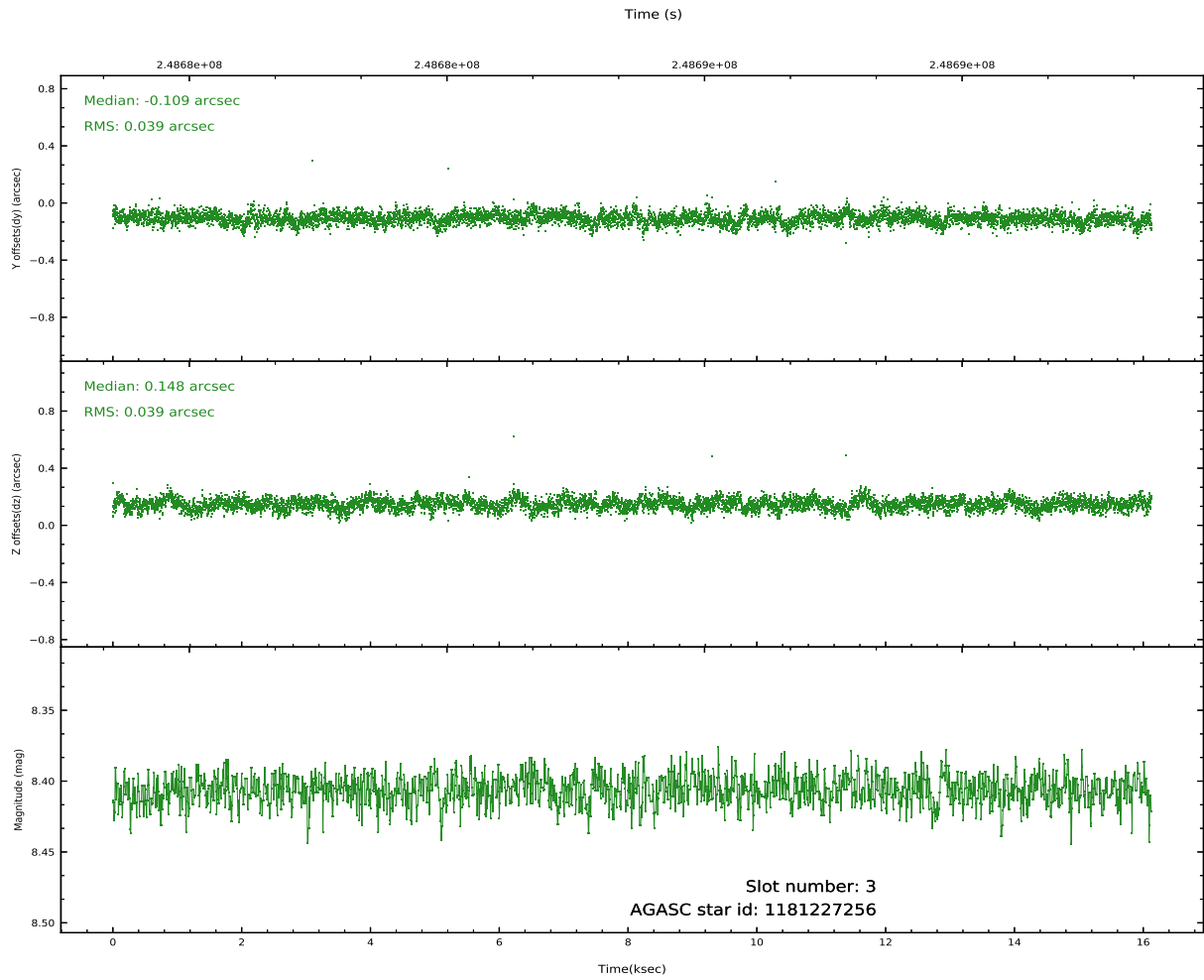
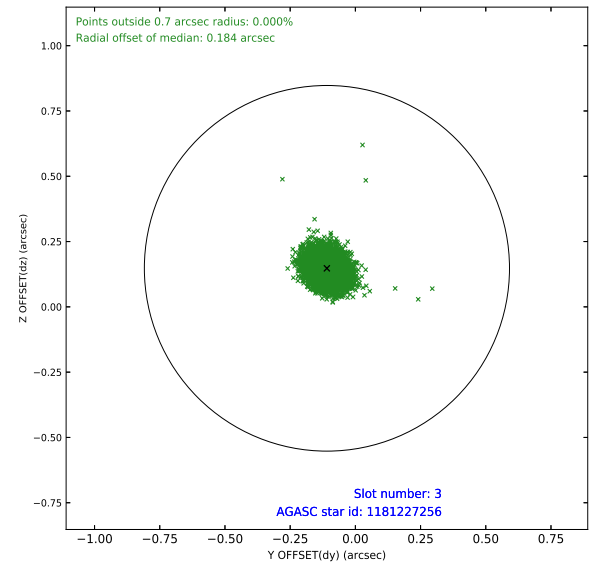
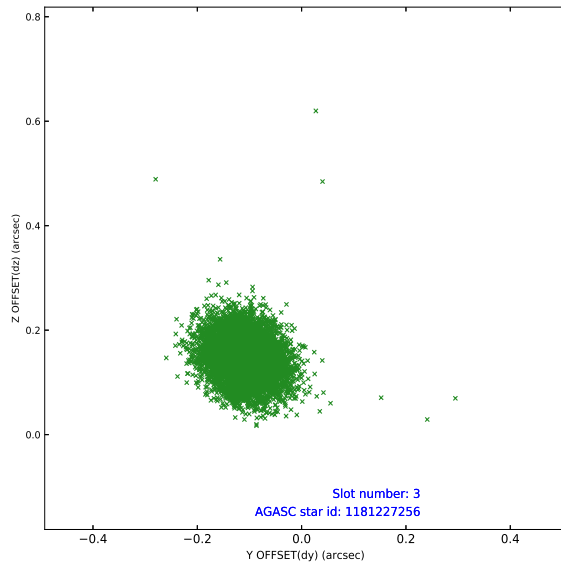


Slot Statistics

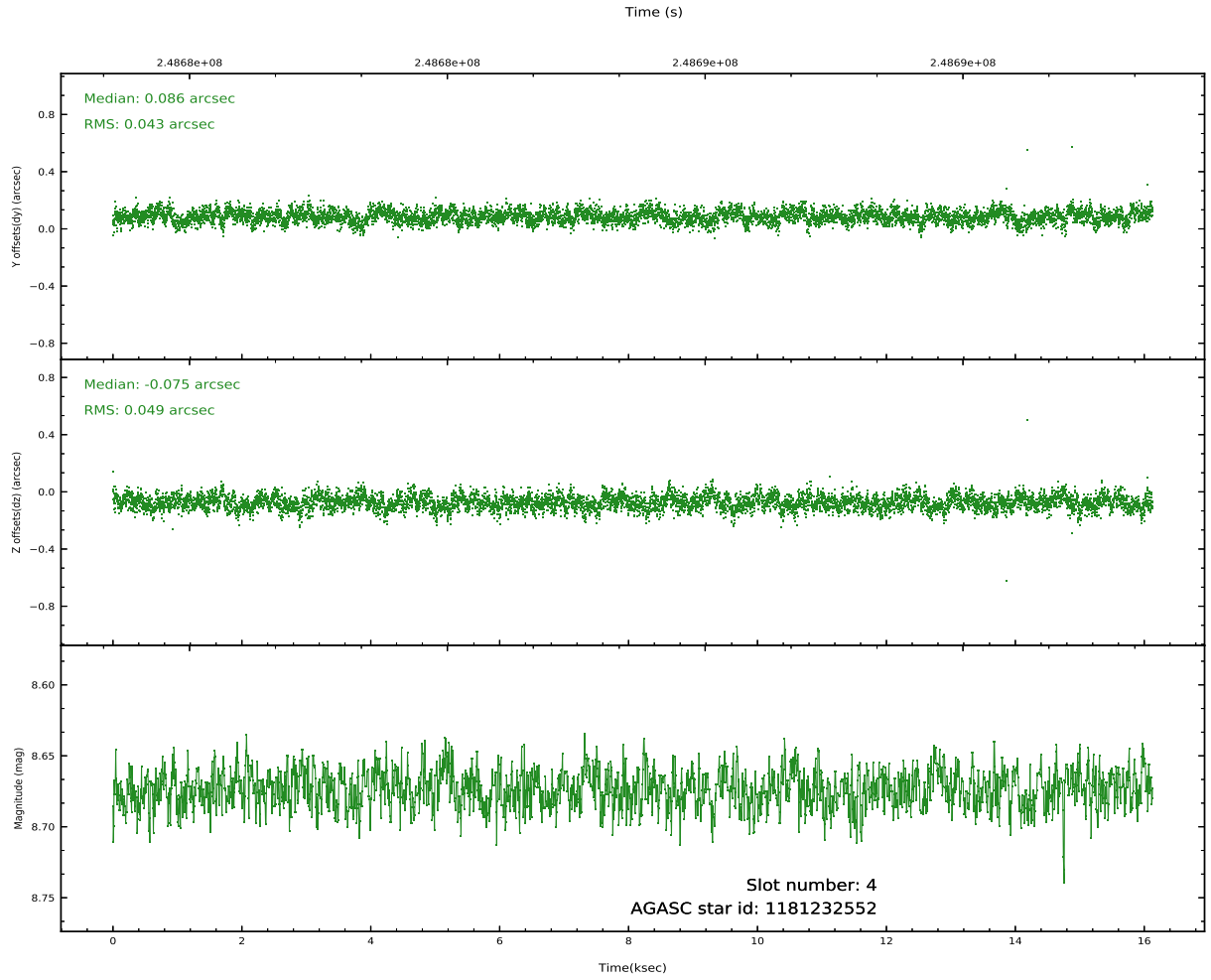
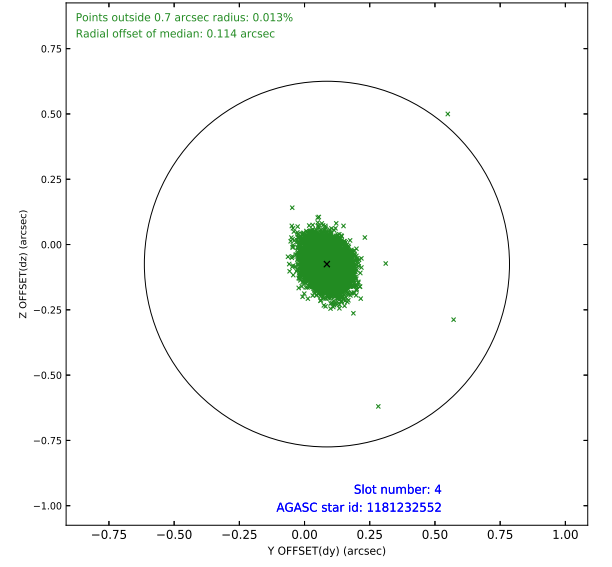
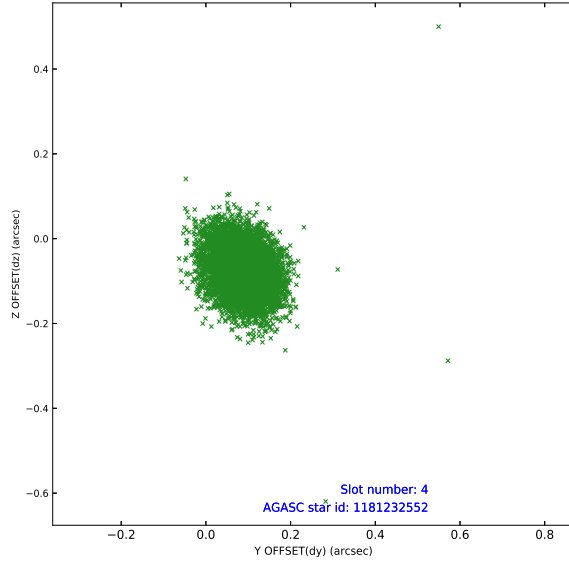
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.07	3935	1.000	0.103	-0.143	0.009	0.015	0.000000	0.000000	-1161.62	-460
1	FID		HRC-S-2	7.07	3935	1.000	0.208	-0.122	0.006	0.011	0.000000	0.000000	1237.85	-453
2	FID		HRC-S-3	7.07	3935	1.000	0.079	-0.037	0.008	0.014	0.000000	0.000000	-1164.06	568
3	GUIDE	used	1181227256	8.41	7865	1.000	-0.109	0.148	0.057	0.093	208.179405	-64.135660	2180.41	-118
4	GUIDE	used	1181232552	8.67	7867	1.000	0.086	-0.075	0.068	0.111	208.565497	-64.494630	974.43	640
5	GUIDE	used	1181238104	8.91	7866	1.000	0.046	0.004	0.086	0.135	208.215848	-64.823325	786.28	1927
6	GUIDE	used	1181231456	8.25	7866	1.000	0.009	-0.087	0.073	0.114	208.536615	-64.944484	137.91	2028
7	GUIDE	used	1181359360	8.29	7866	1.000	-0.030	0.009	0.066	0.107	211.217976	-64.384352	-2334.17	-1846

2.4 Star Slots

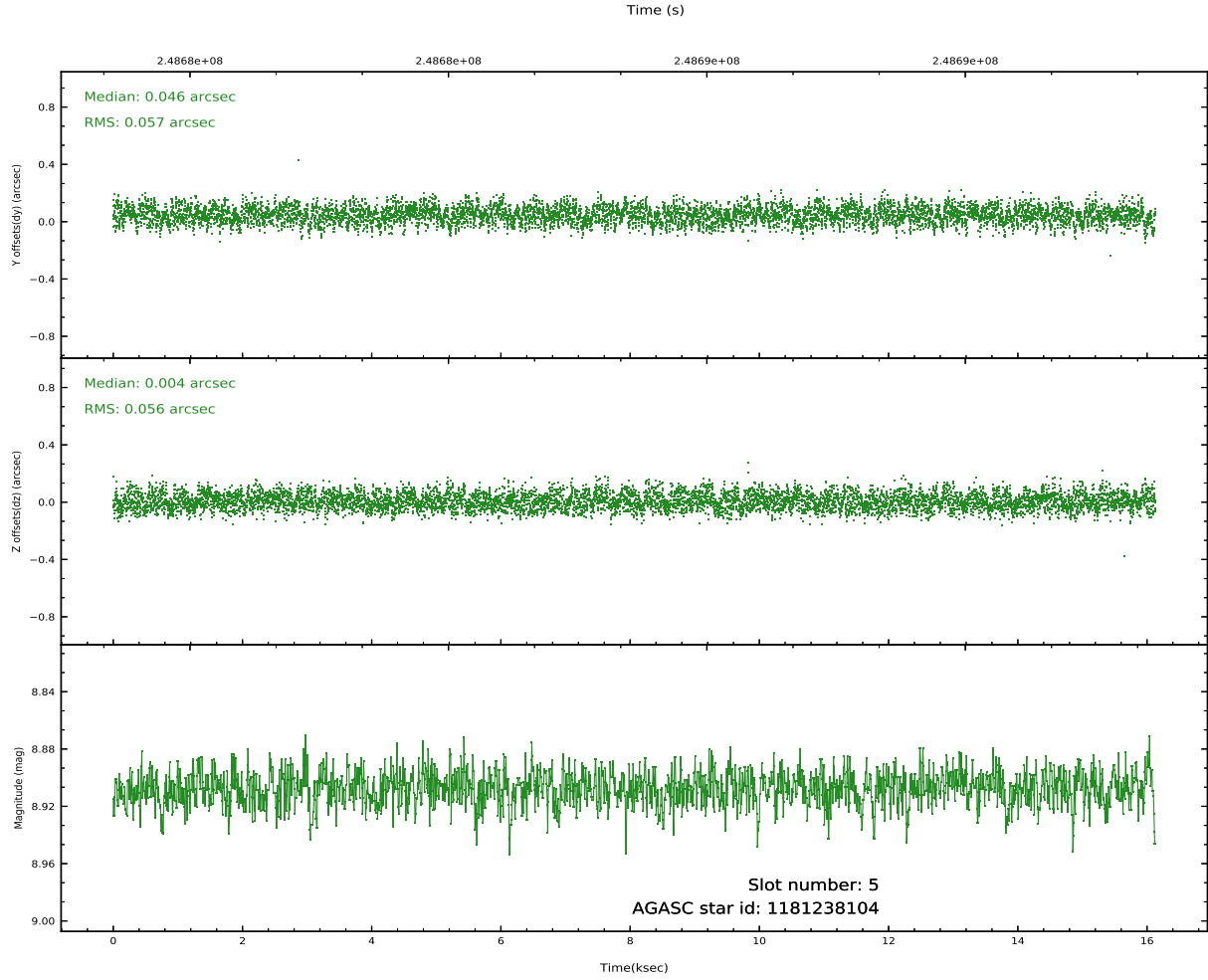
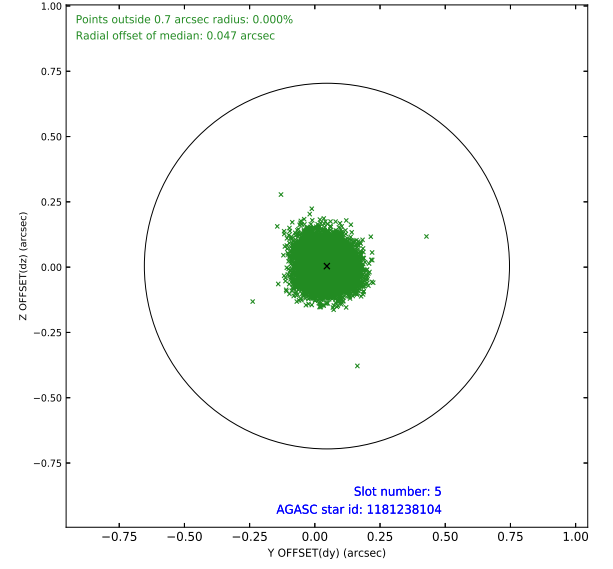
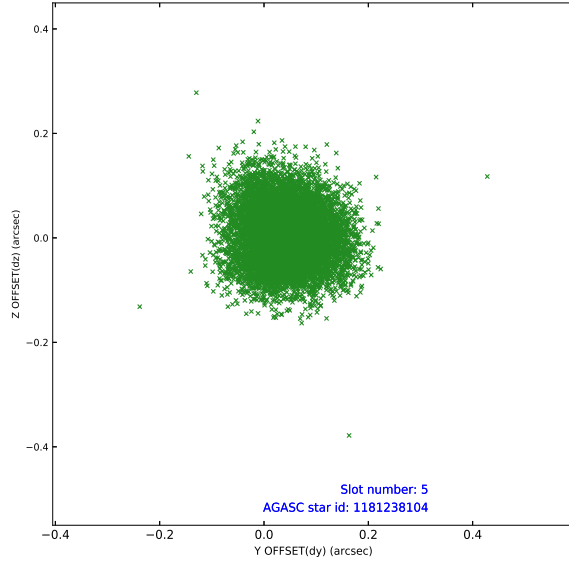
2.4.1 Slot 3



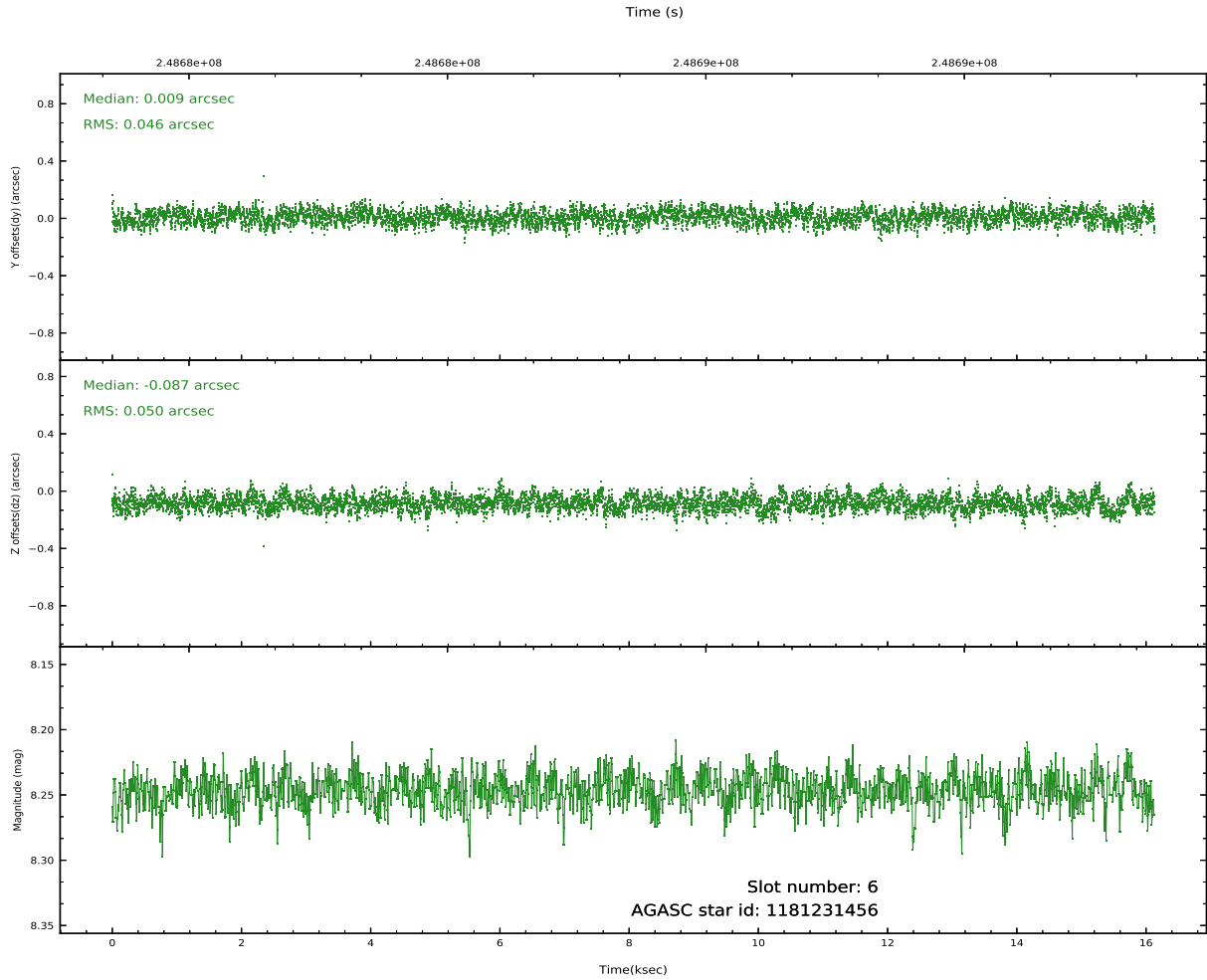
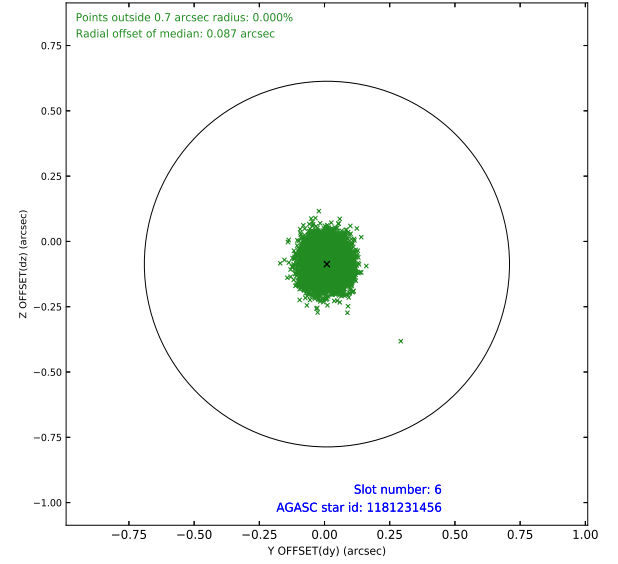
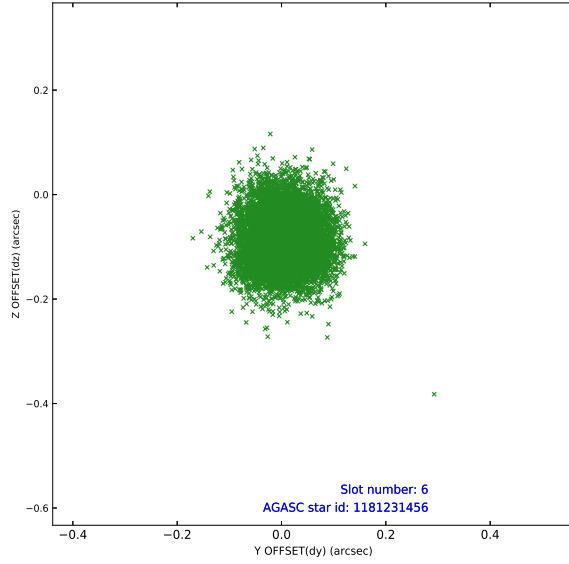
2.4.2 Slot 4



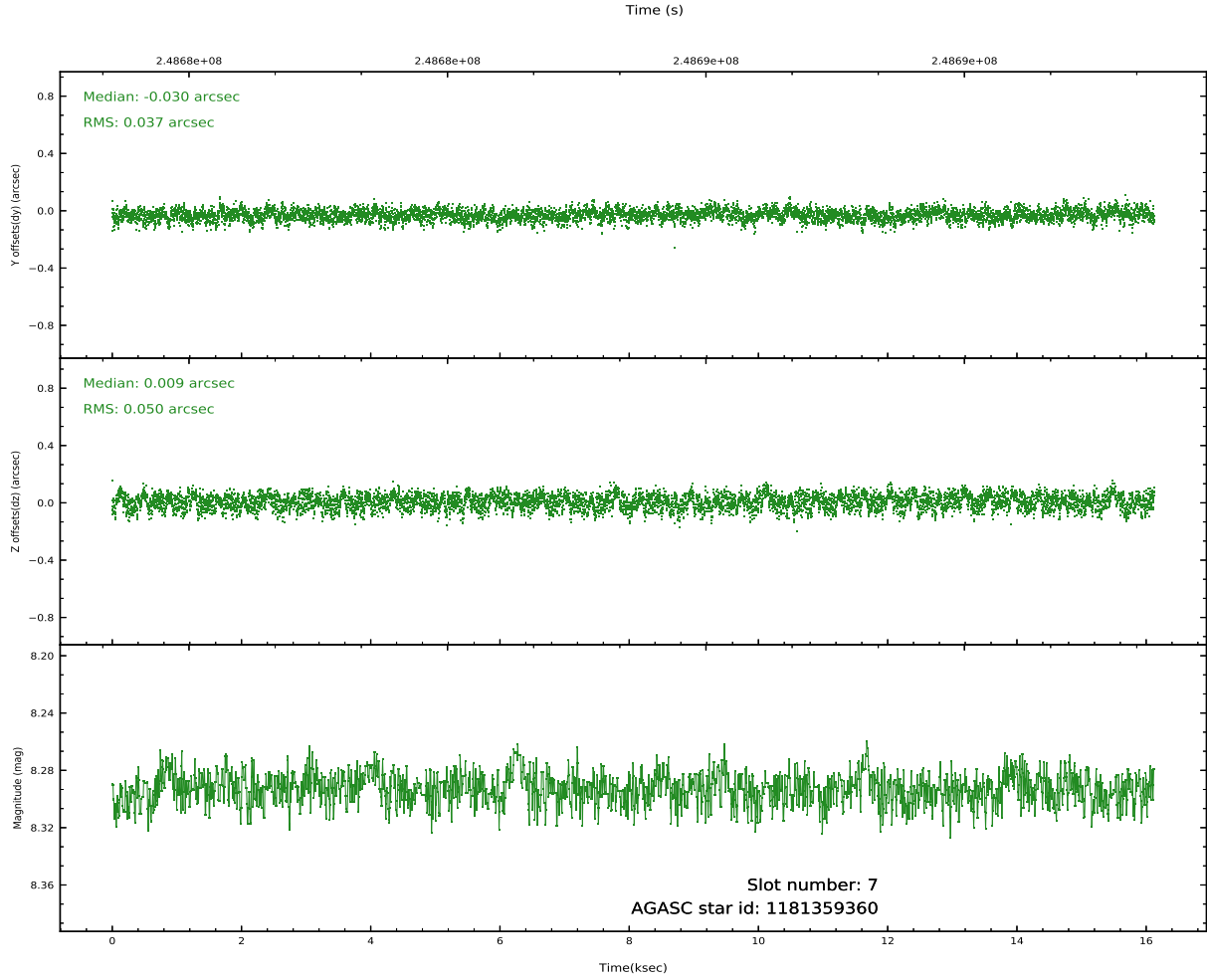
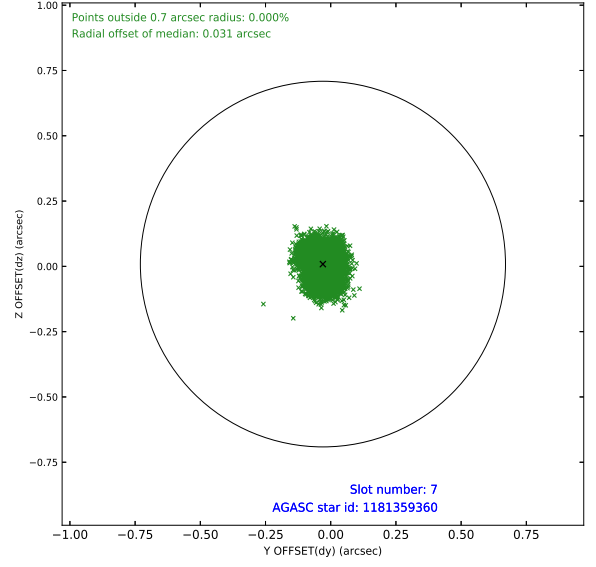
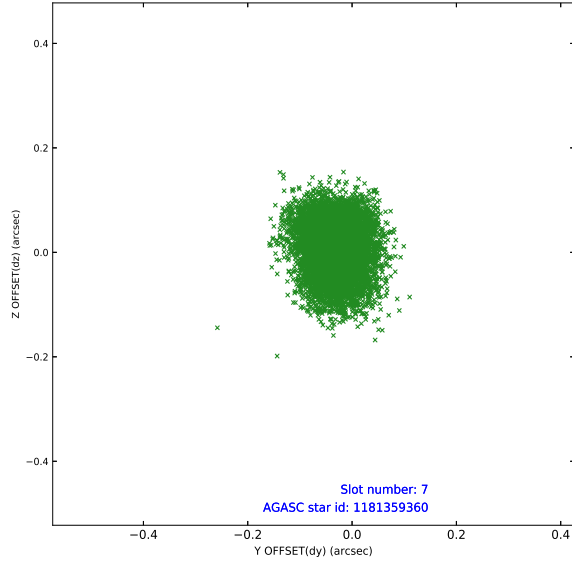
2.4.3 Slot 5



2.4.4 Slot 6

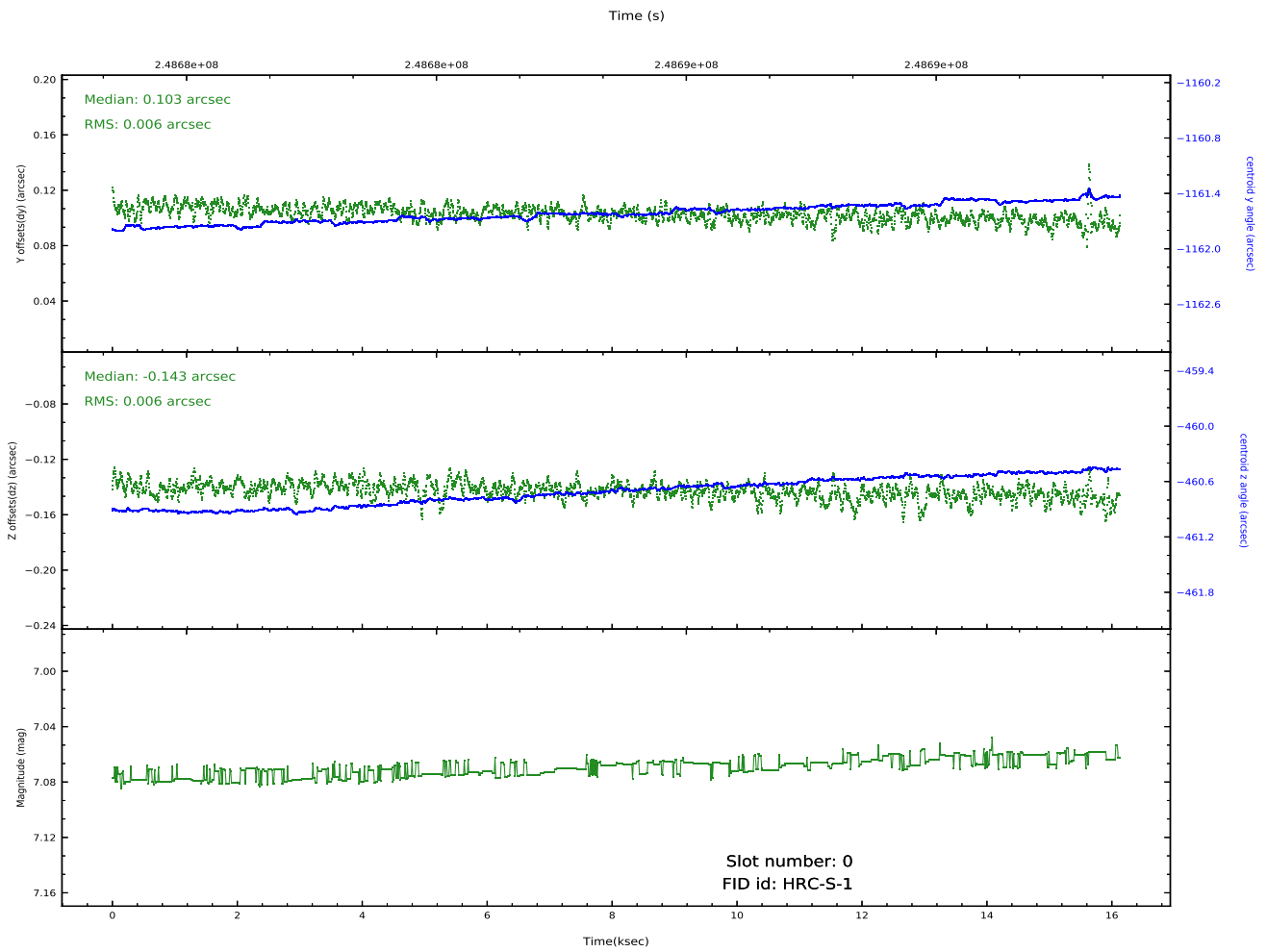
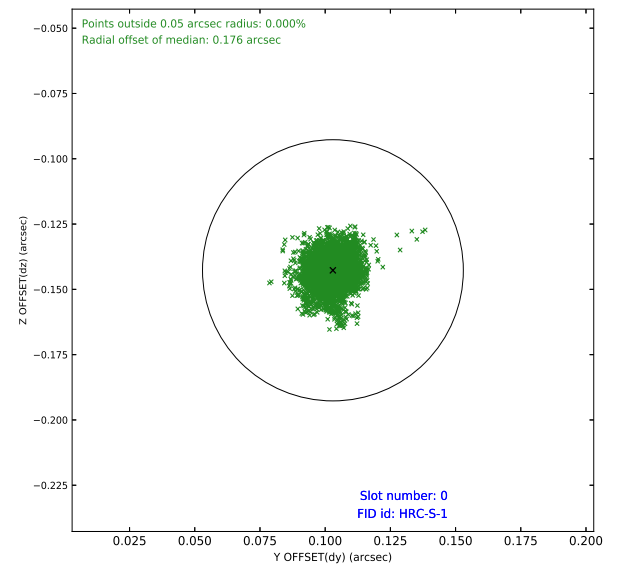
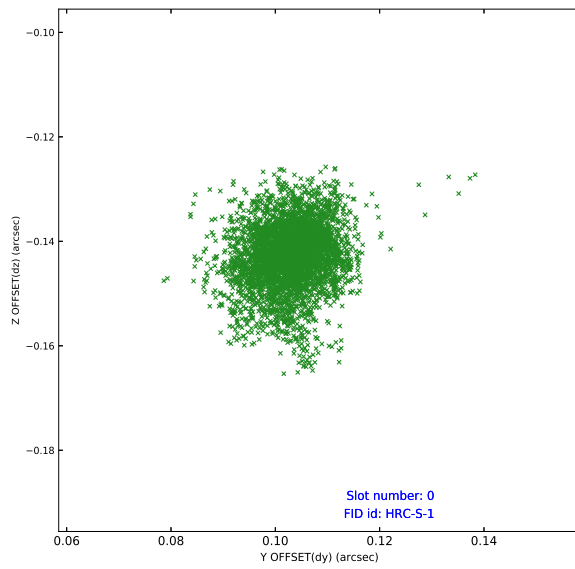


2.4.5 Slot 7

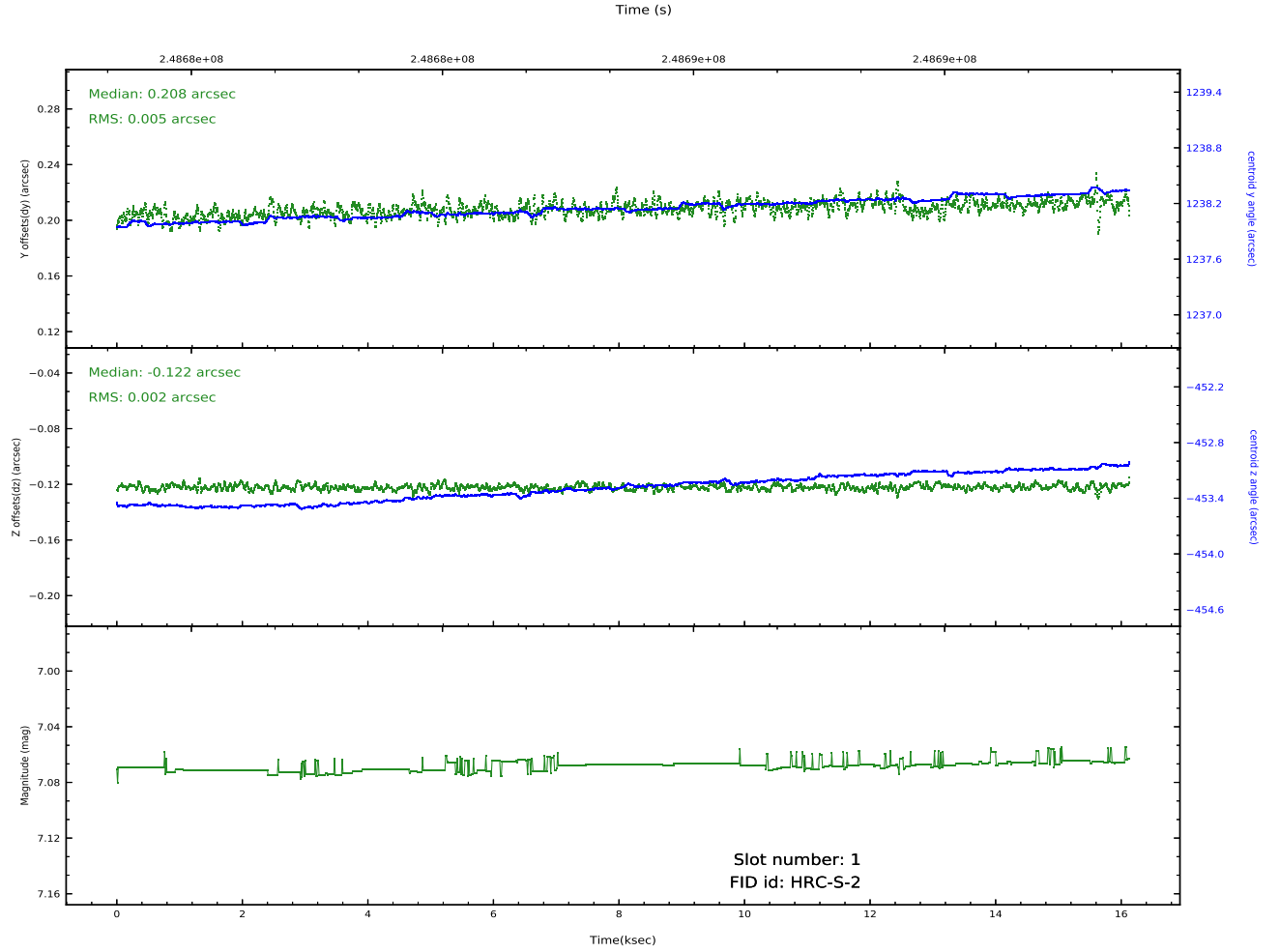
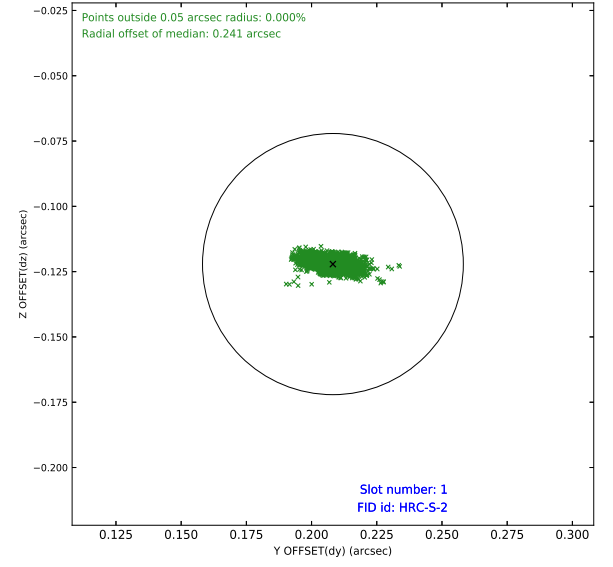
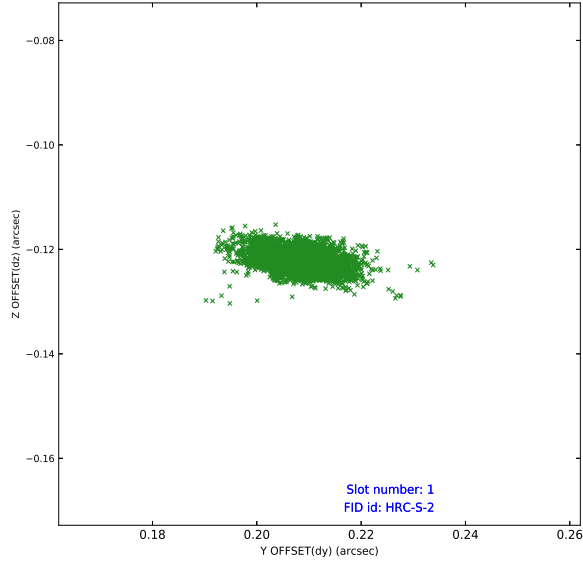


2.5 FID Slots

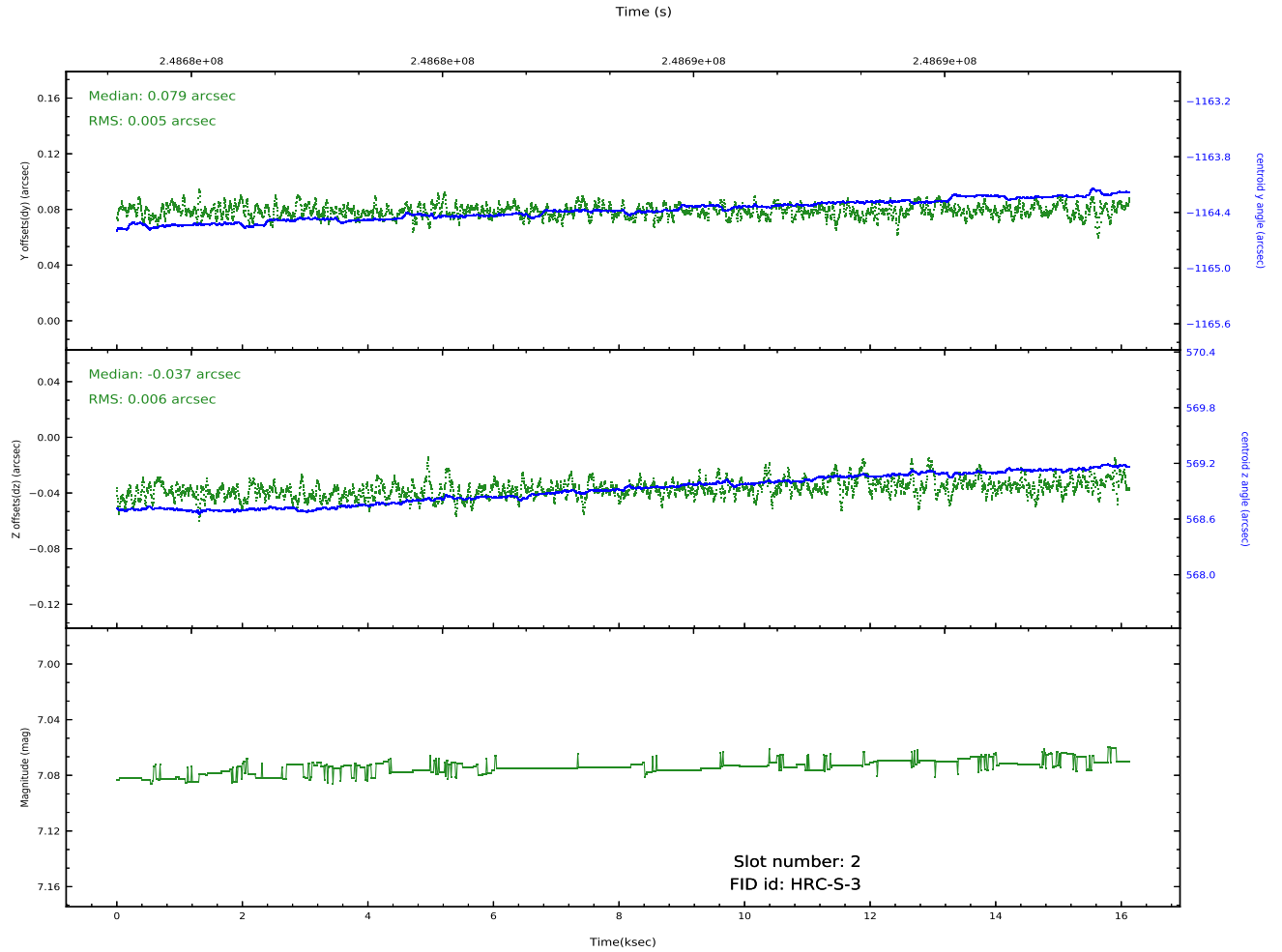
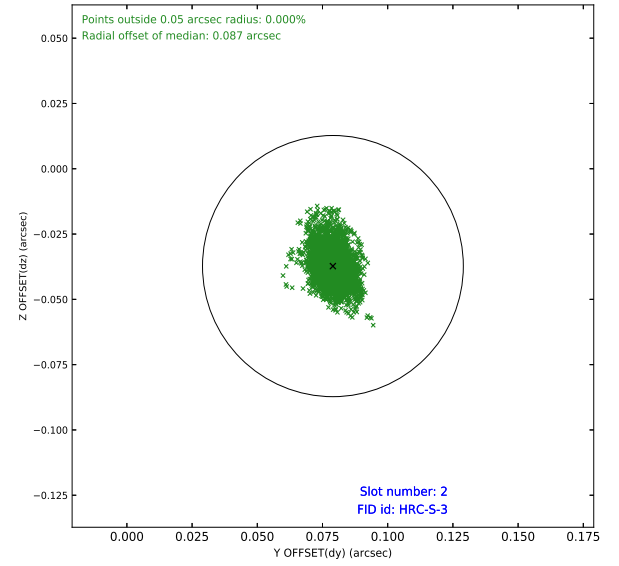
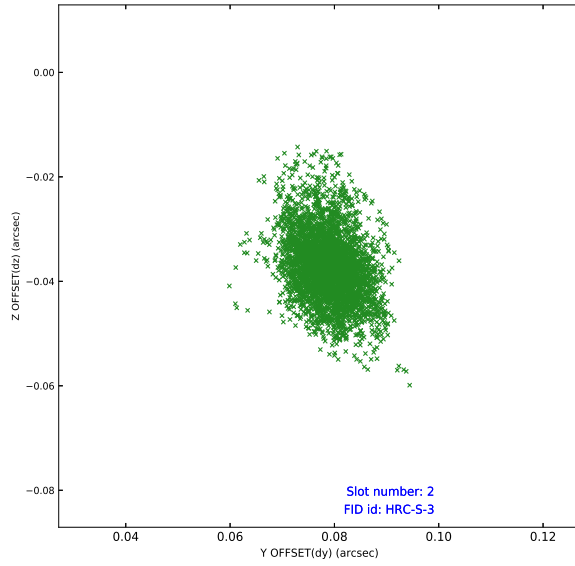
2.5.1 Slot 0



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)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.12863

A.2 Comments