

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21772 - L2 Version 1
Chandra X-Ray Center

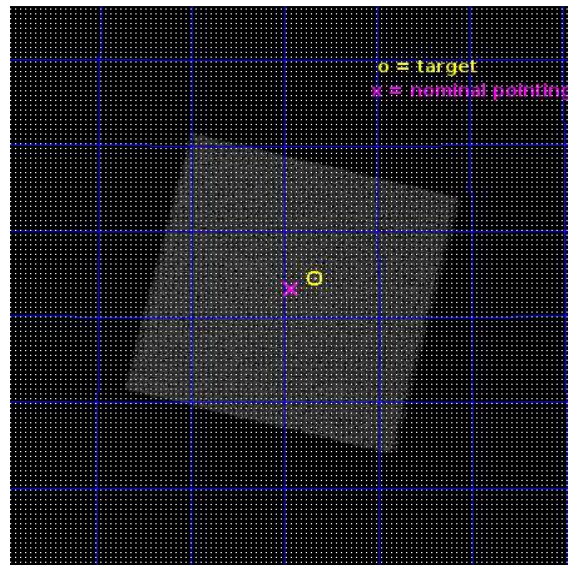
L2 Processing Date : Apr 8 2019

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1 Front

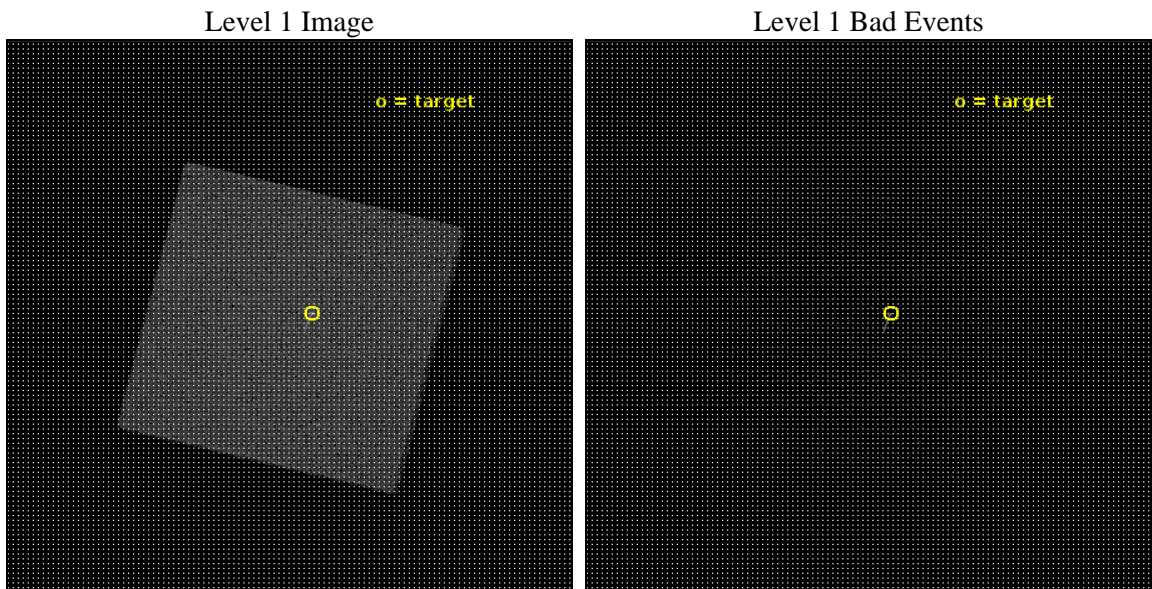
seq_num	291458	Sequence number
obs_id	21772	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.23202368067	Nominal RA [deg]
dec_nom	45.722082587897	Nominal Dec [deg]
roll_nom	58.99426380698	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1190.2813212872	[s]
livetime	1172.4643364659	Ontime multiplied by DTCOR
l2events	153203	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	1190.2813212872	[s]
caldbver	4.8.2	 	l1events	253155	Number of level 1 events
date	2019-04-08T23:01:10	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

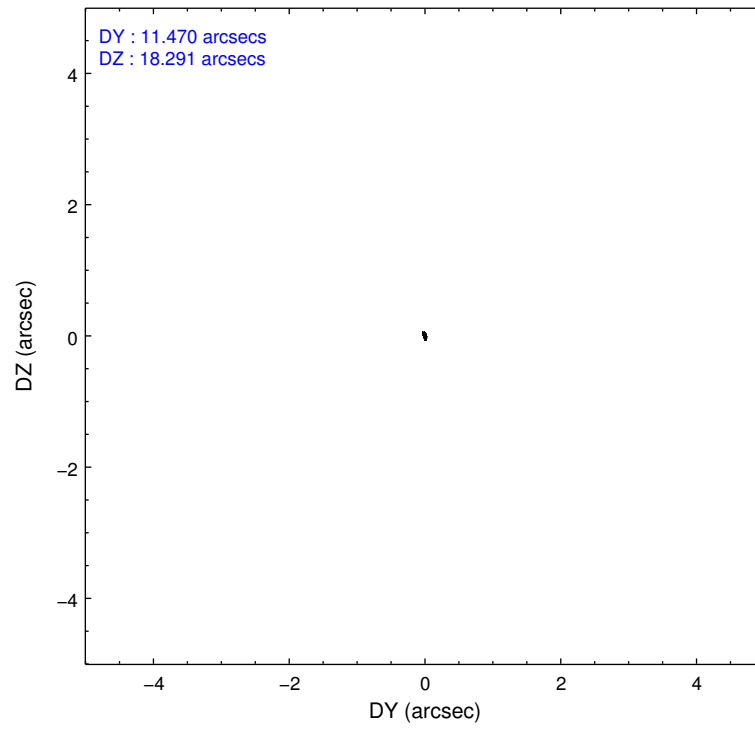
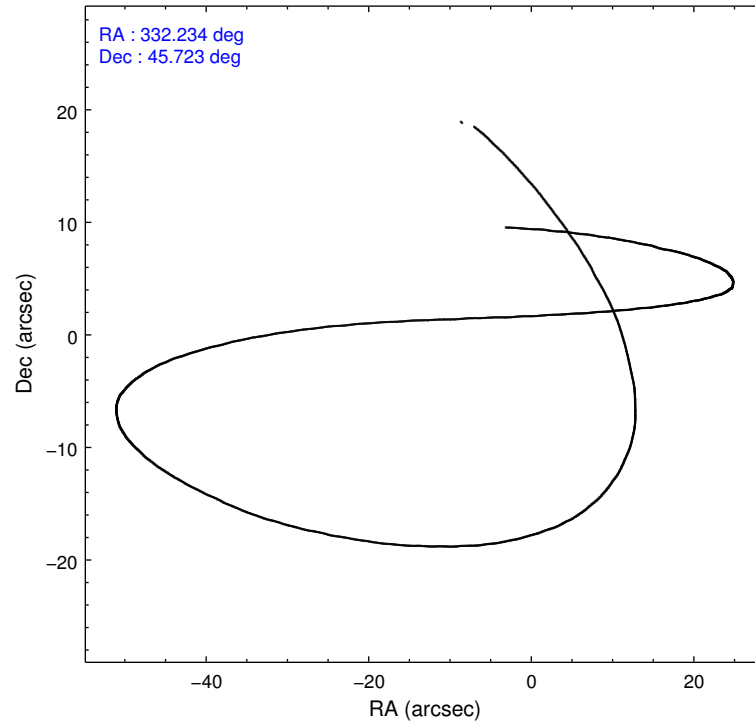
	segment 0
level 1 events	253155
rejected events	53455
rejected %	21%

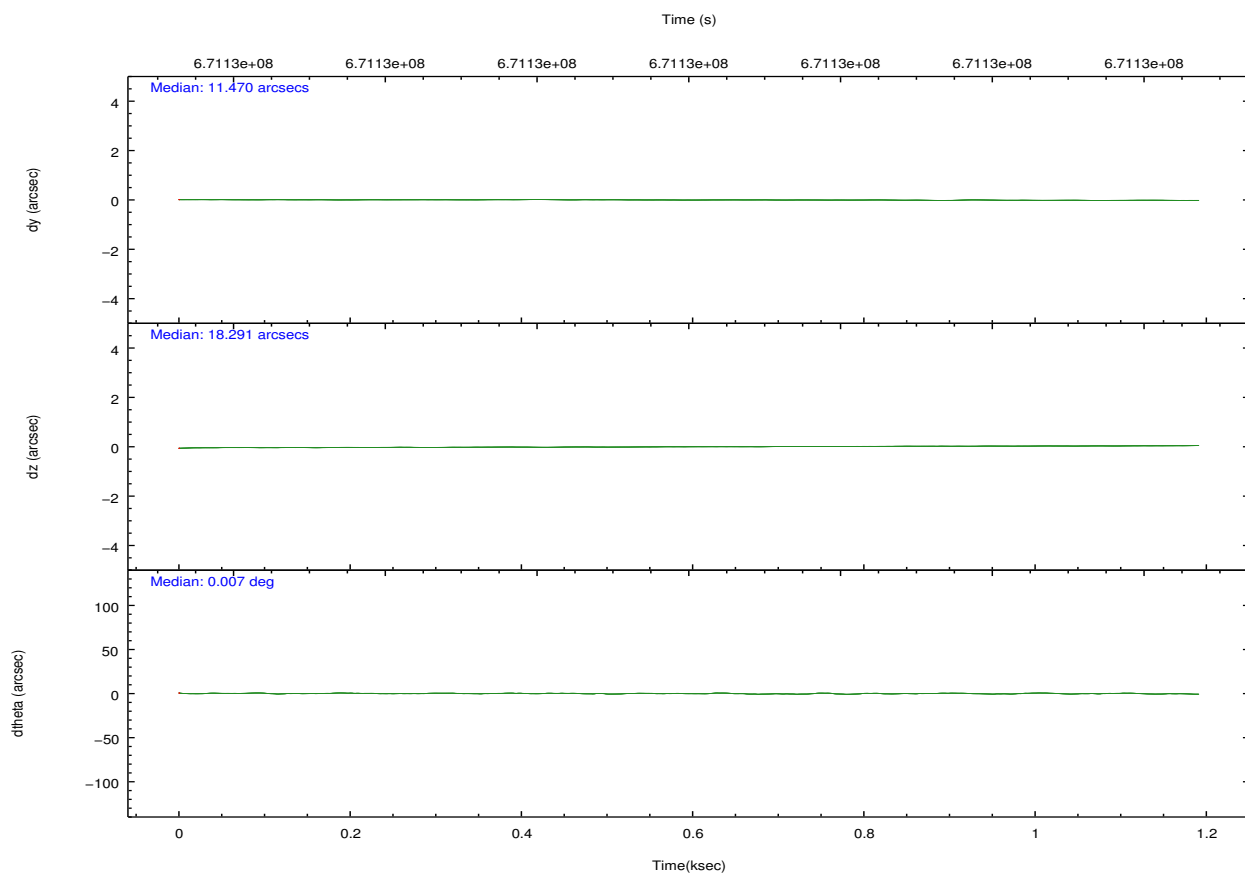
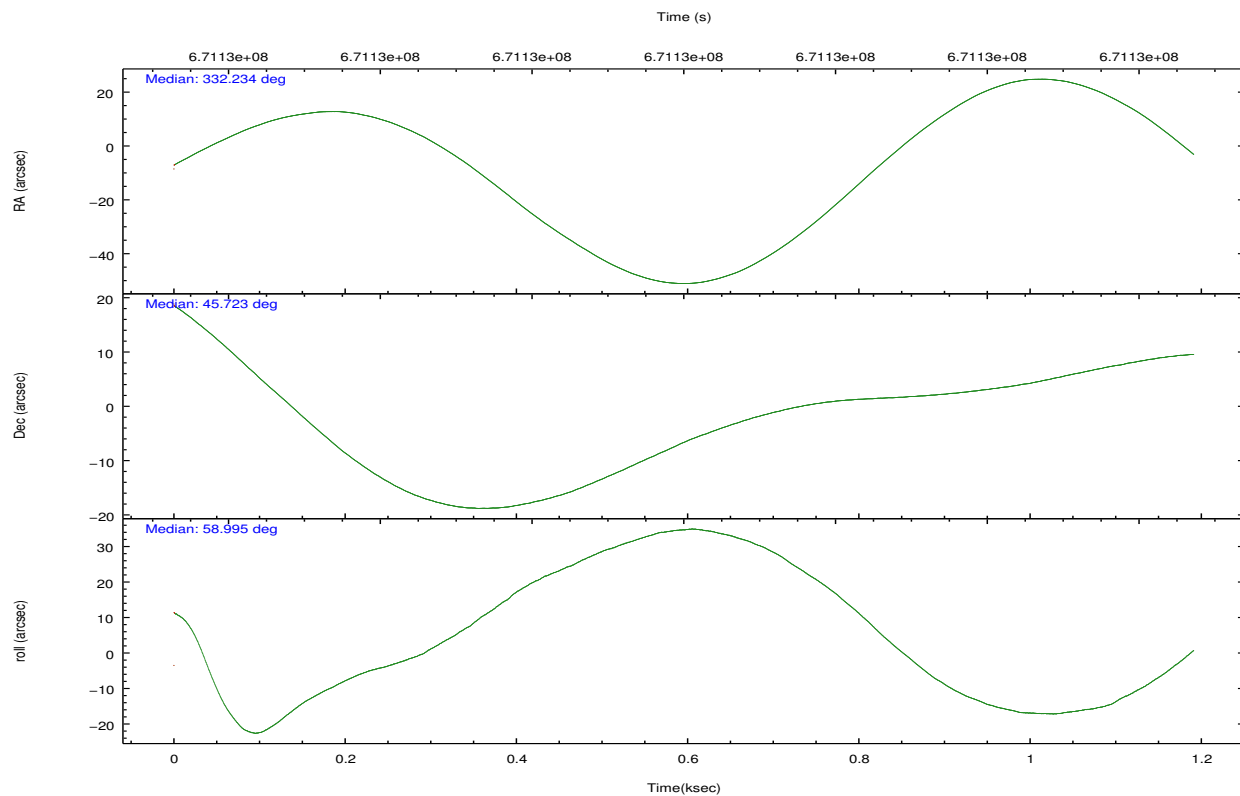
2.2 Compared Parameters

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	332.230546	332.2320236806675
[deg] Pointing Dec	45.694967	45.72208258789671
[deg] Pointing Roll	59.090636	58.9942638069797
[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)	671130004.184000	671129627.81664
Observation start date	2019-04-08T16:58:55	2019-04-08T16:53:47
[s] Observation end time (MET)	671131004.184000	671131138.15423
Observation end date	2019-04-08T17:15:35	2019-04-08T17:18:58

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



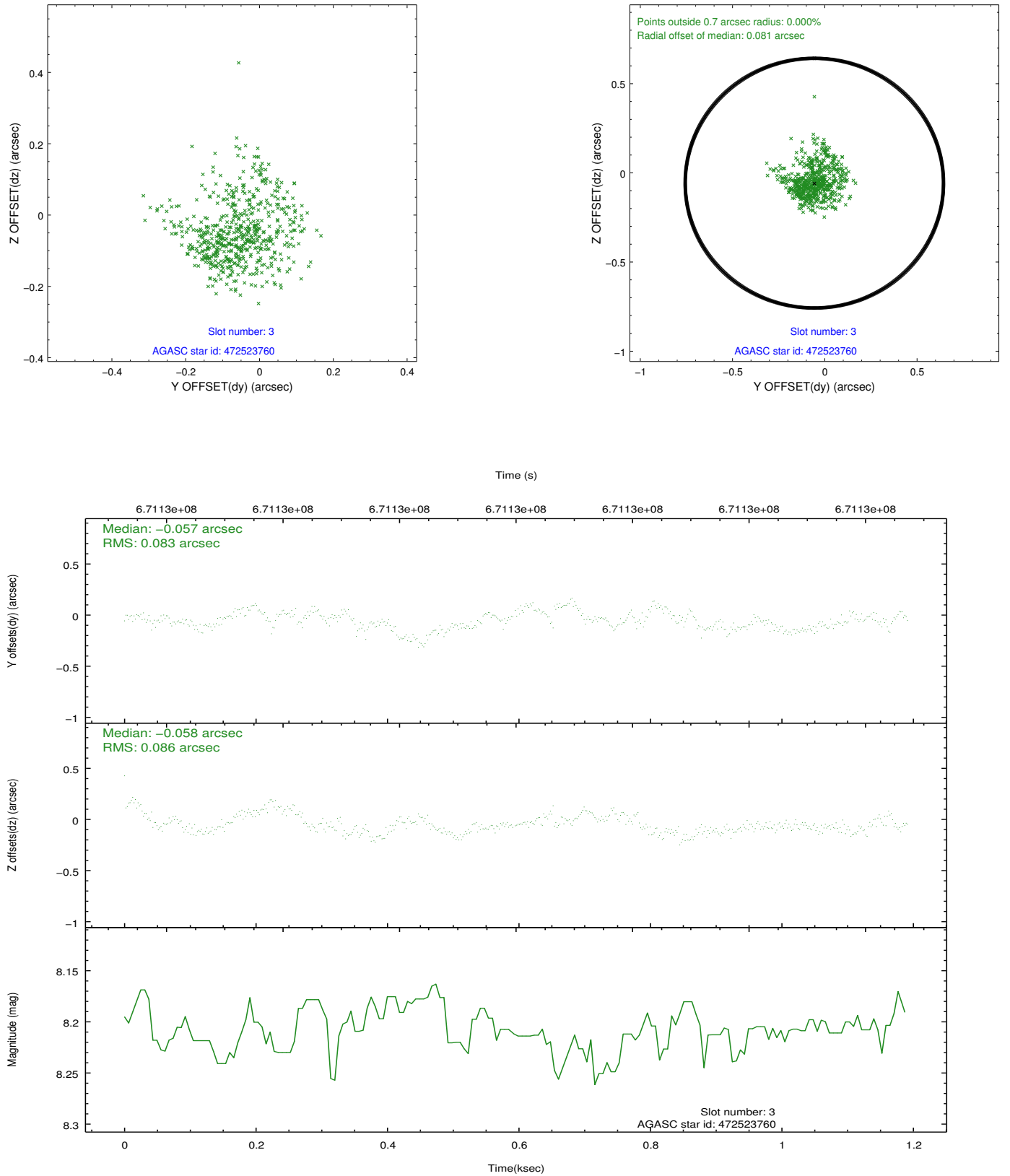


Slot Statistics

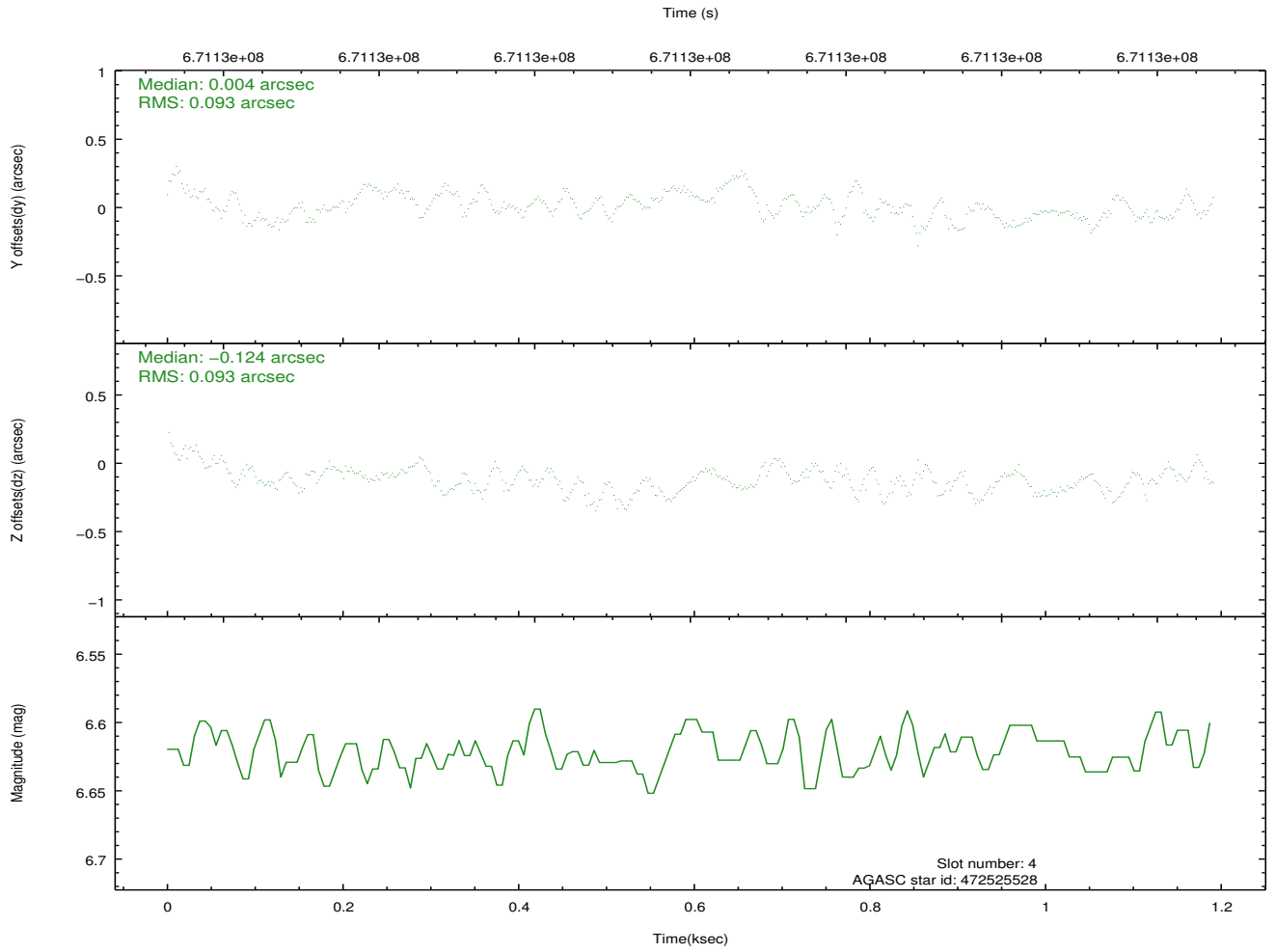
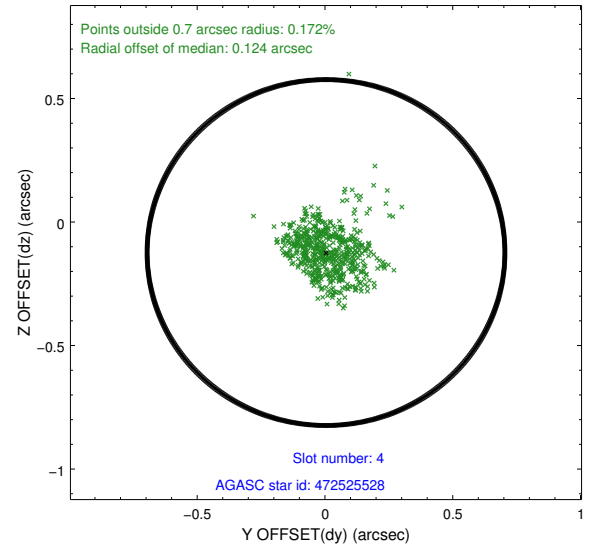
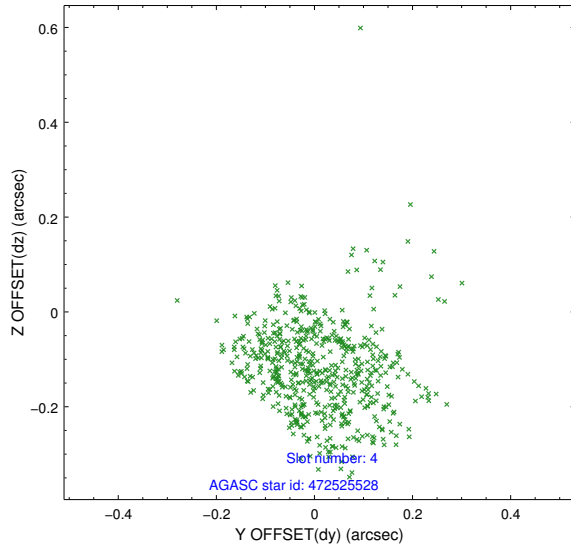
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	291	1.000	-0.240	-0.043	0.007	0.010	0.000000	0.000000	-767.36	-1306
1	FID		HRC-I-2	7.03	291	1.000	0.406	-0.125	0.006	0.009	0.000000	0.000000	843.28	-1312
2	FID		HRC-I-3	7.09	291	1.000	-0.046	0.079	0.006	0.010	0.000000	0.000000	-1192.83	993
3	GUIDE	used	472523760	8.21	581	1.000	-0.057	-0.058	0.127	0.207	331.645363	45.403260	-1657.89	736
4	GUIDE	used	472525528	6.62	582	1.000	0.004	-0.124	0.131	0.225	331.551102	45.248694	-2260.80	660
5	GUIDE	used	472533912	9.11	582	1.000	-0.295	-0.510	0.174	0.268	331.791136	46.368695	1517.36	2188
6	GUIDE	used	472665256	8.97	581	1.000	-0.235	0.165	0.149	0.243	332.808125	46.195041	2289.35	-299
7	GUIDE	used	472649352	9.74	576	1.000	0.558	0.538	0.291	0.497	332.034169	45.325407	-1393.15	-252

2.4 Star Slots

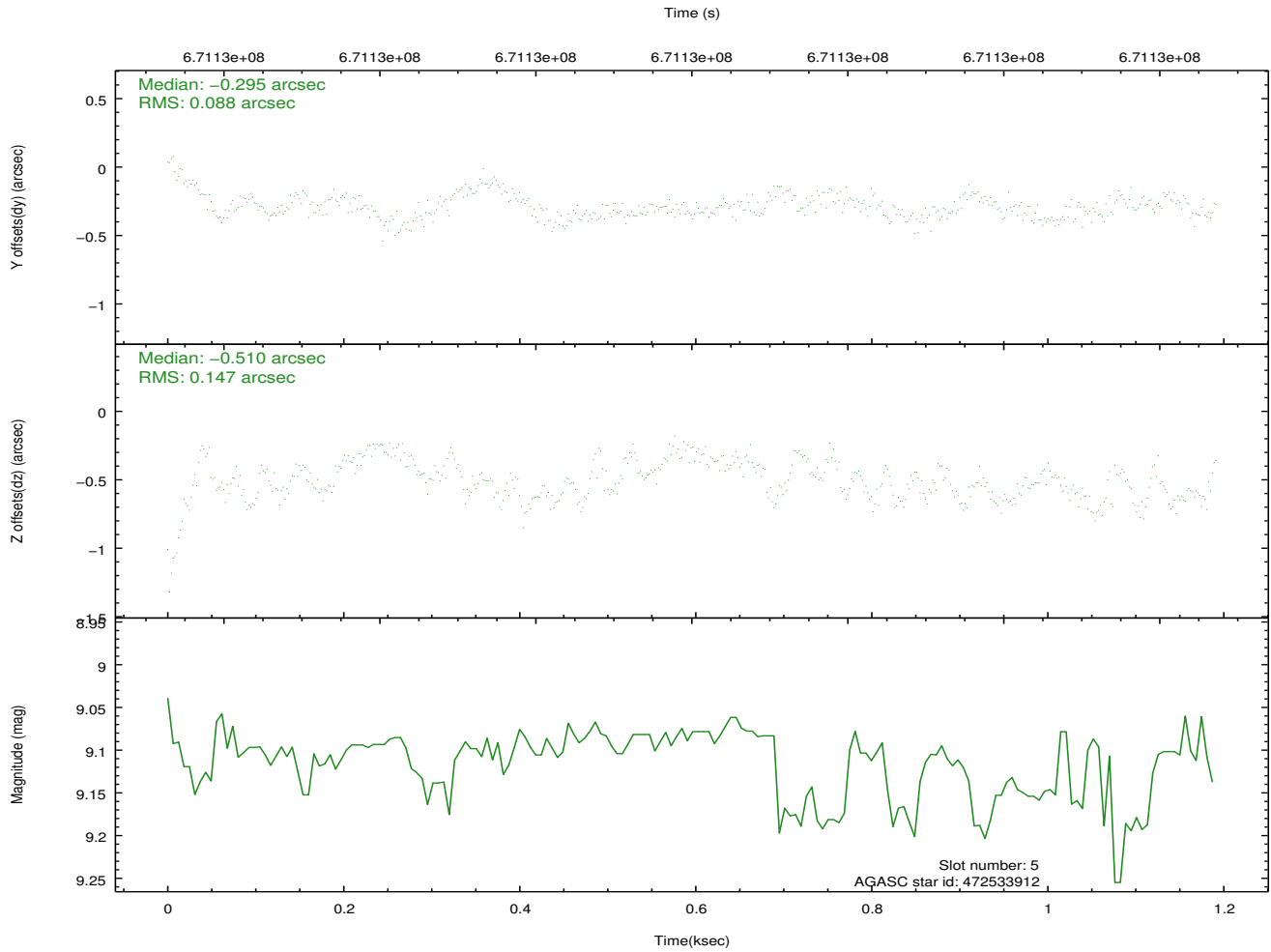
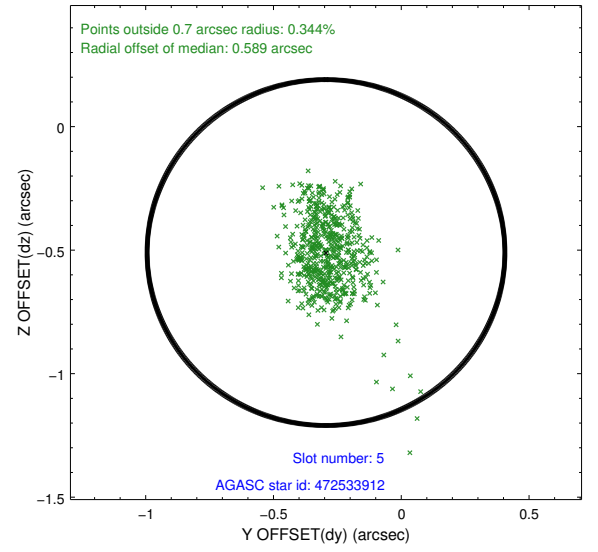
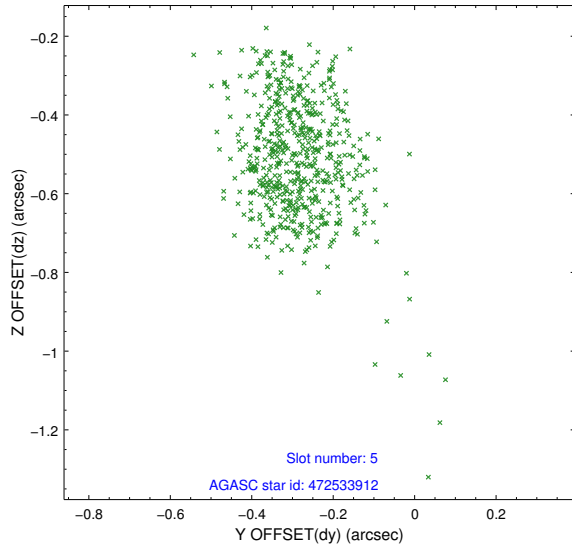
2.4.1 Slot 3



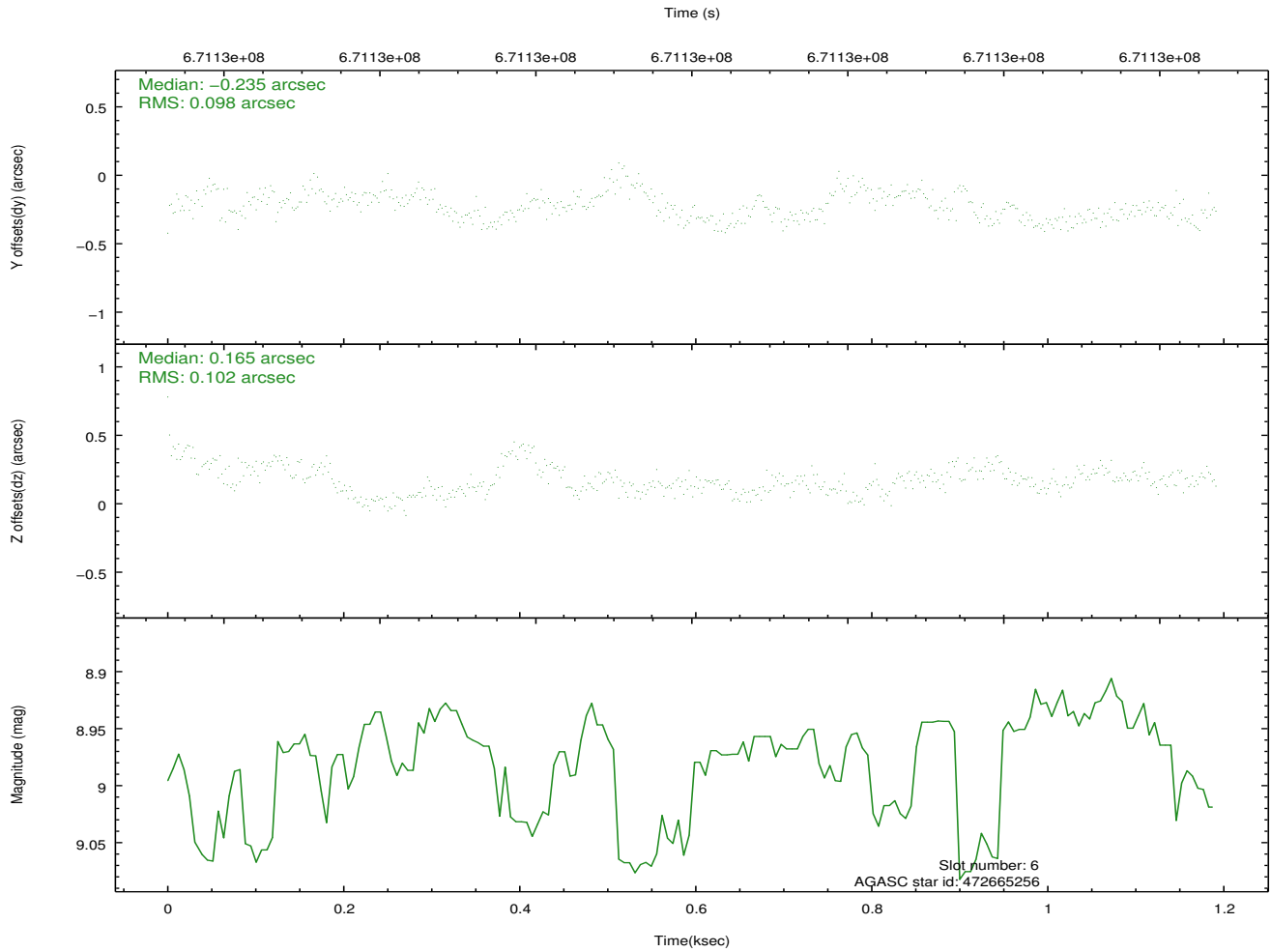
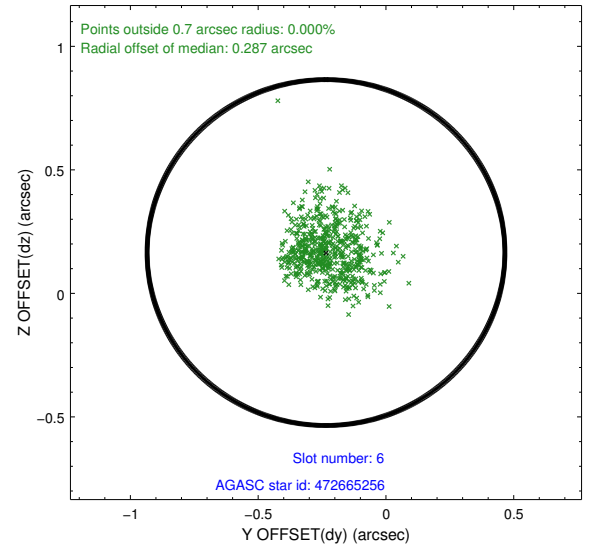
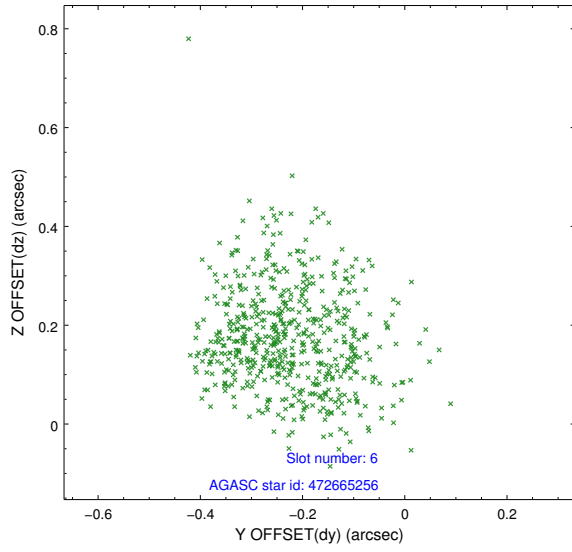
2.4.2 Slot 4



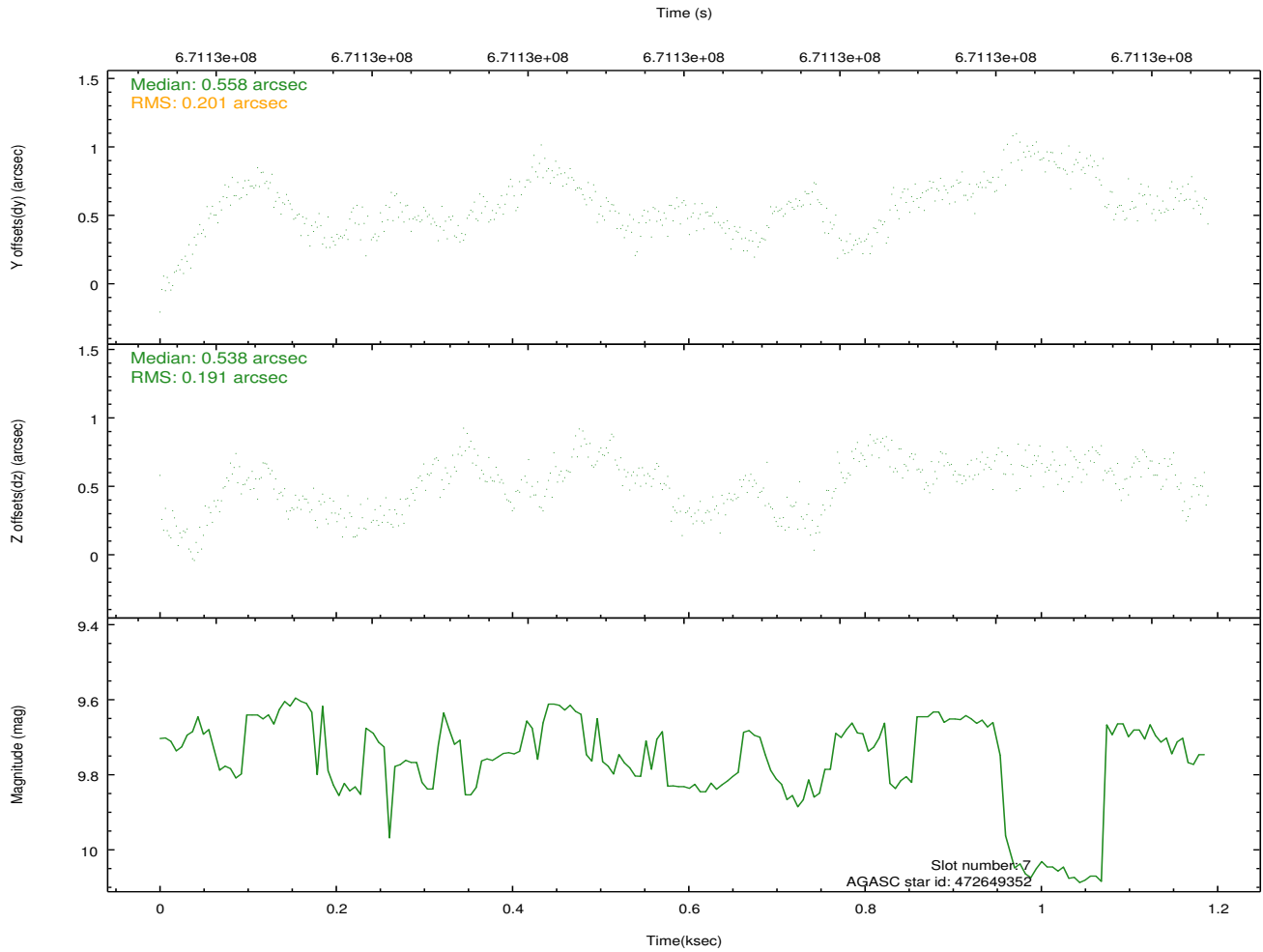
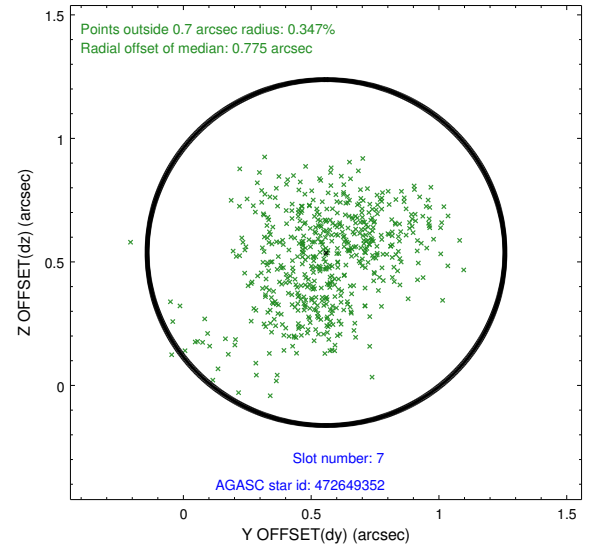
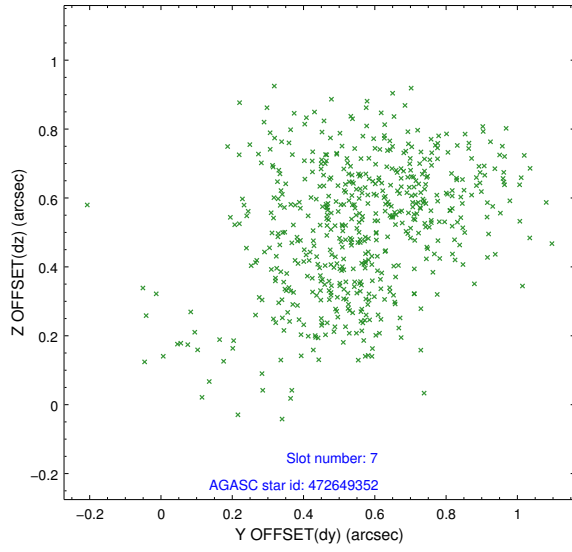
2.4.3 Slot 5



2.4.4 Slot 6

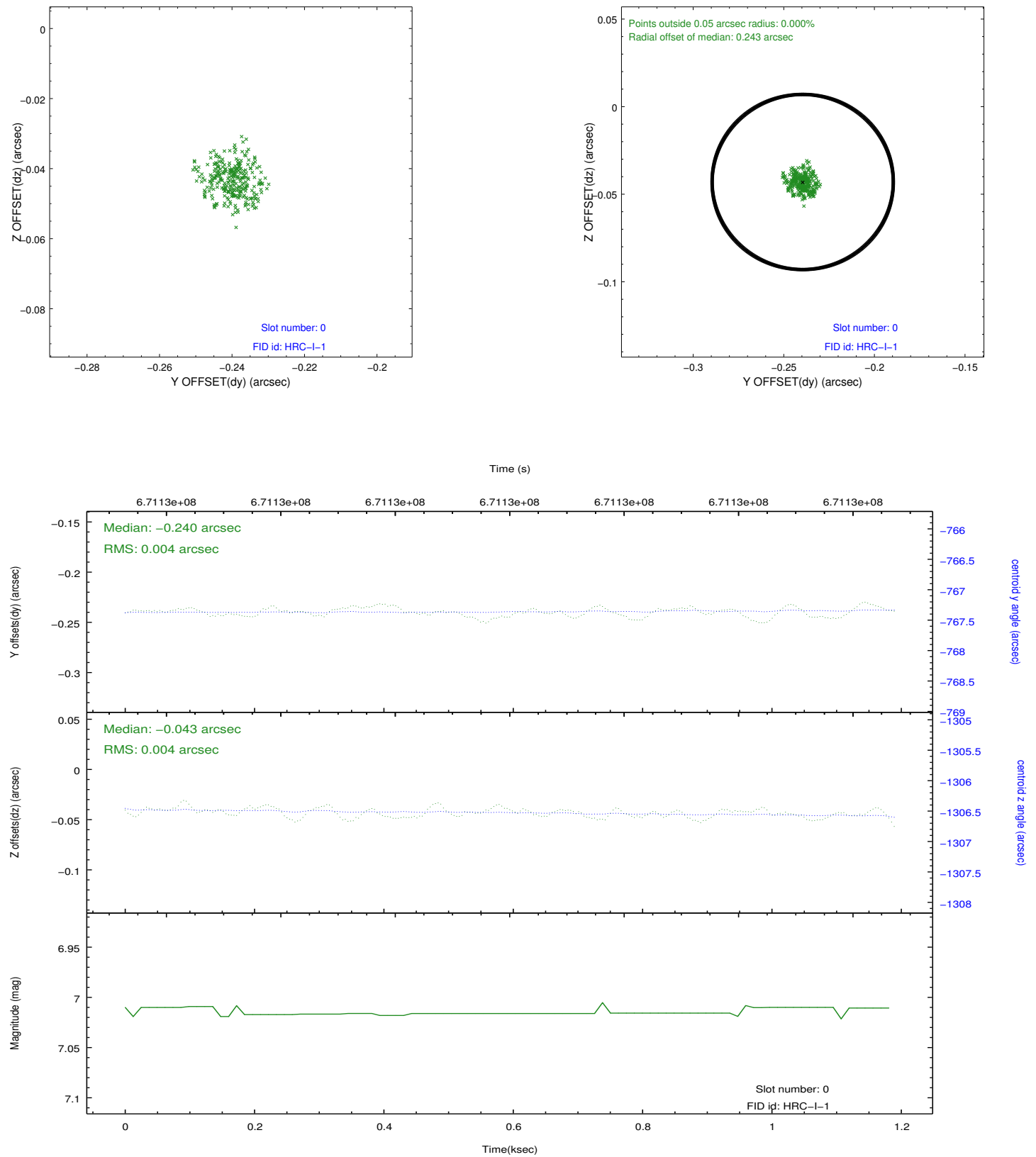


2.4.5 Slot 7

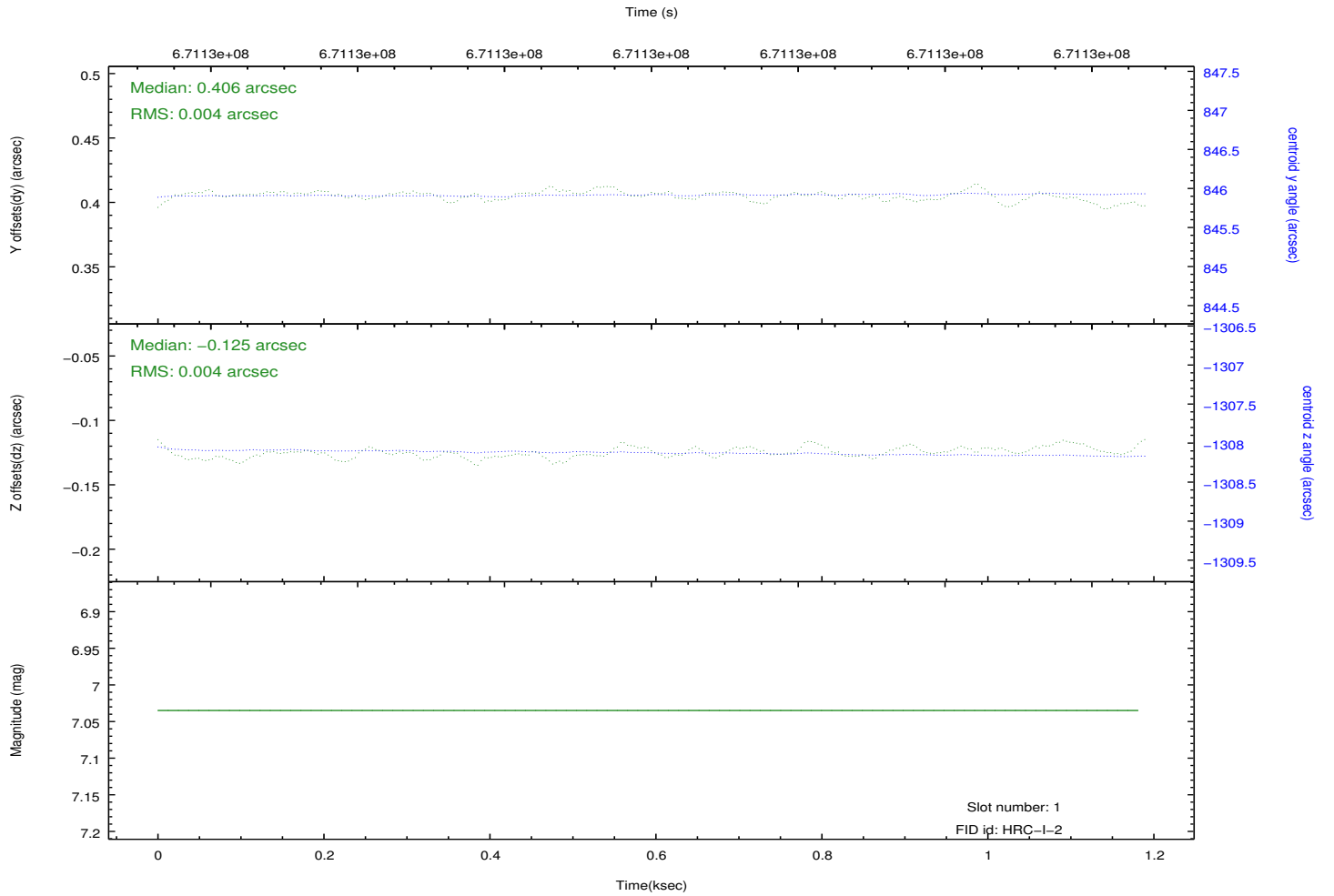
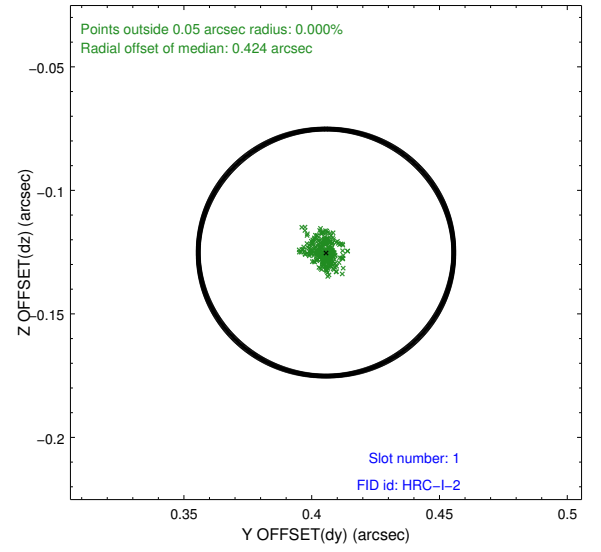
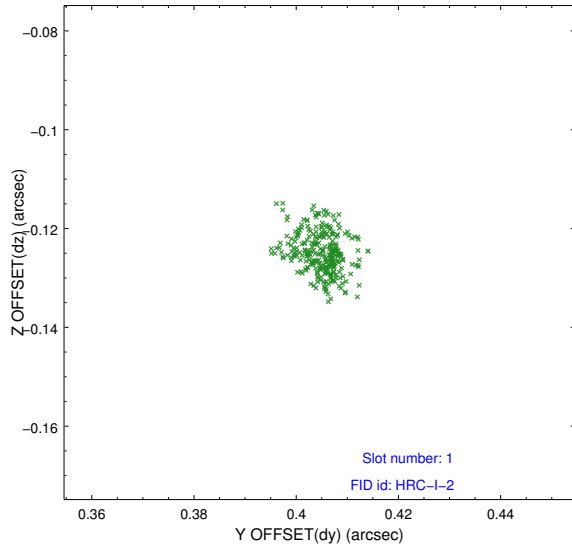


2.5 FID Slots

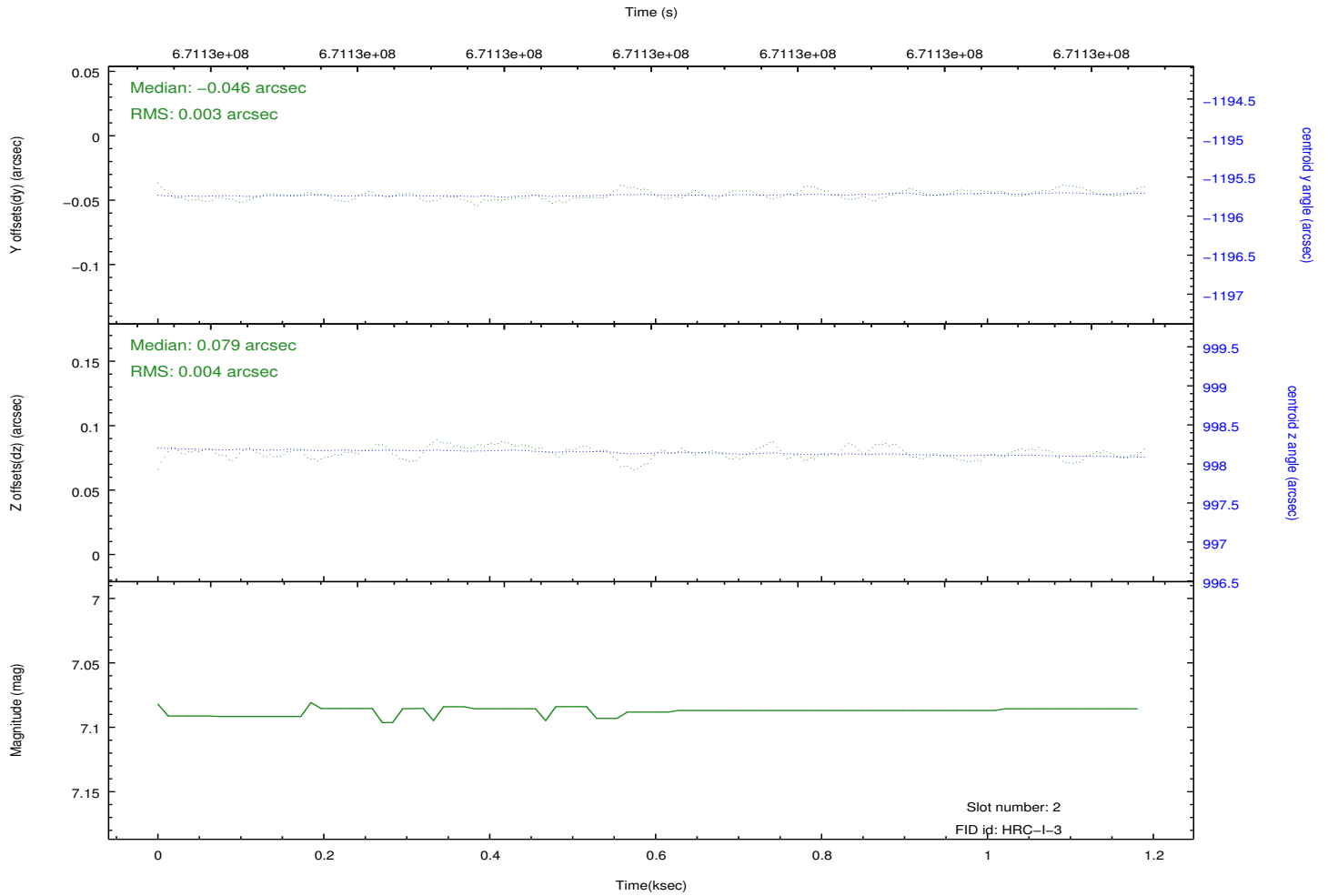
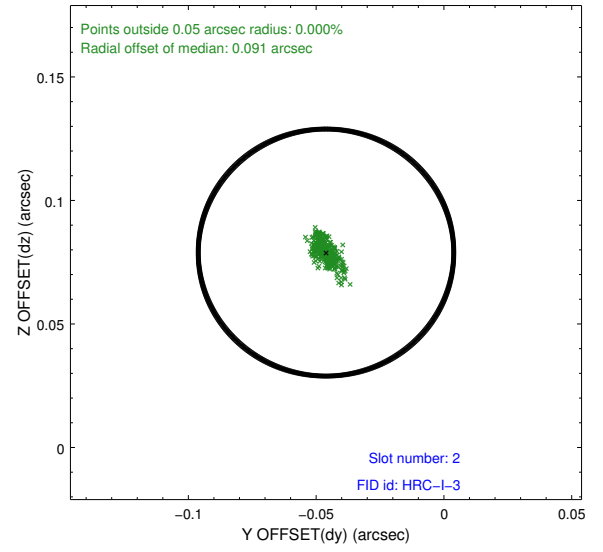
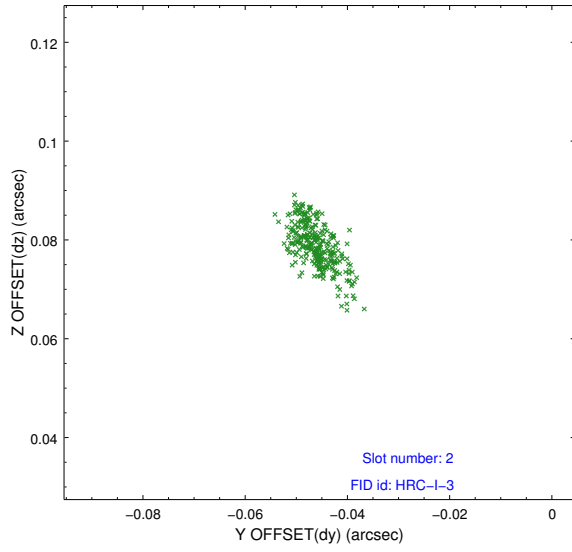
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2019.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1902813212872

A.2 Comments