

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21745 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 4 2019

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1 Front

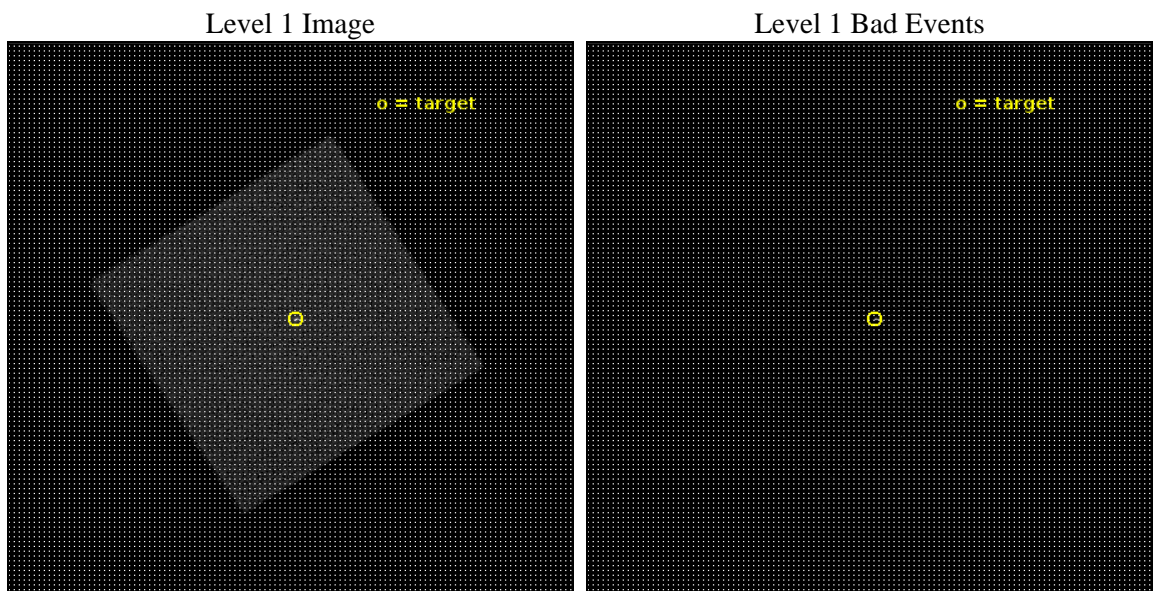
seq_num	291431	Sequence number
obs_id	21745	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.18360669446	Nominal RA [deg]
dec_nom	45.729865134007	Nominal Dec [deg]
roll_nom	192.57029720622	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1196.4313220978	[s]
livetime	1178.6359987406	Ontime multiplied by DTCOR
l2events	156277	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	10.8	Processing system revision	ontime	1196.4313220978	[s]
caldsver	4.8.4	 	l1events	254713	Number of level 1 events
date	2019-09-04T14:31:46	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

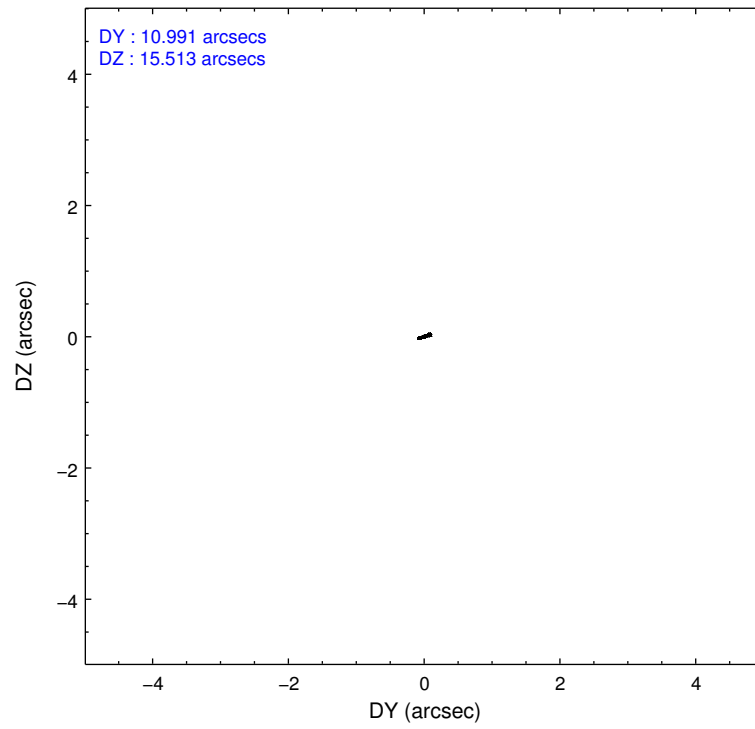
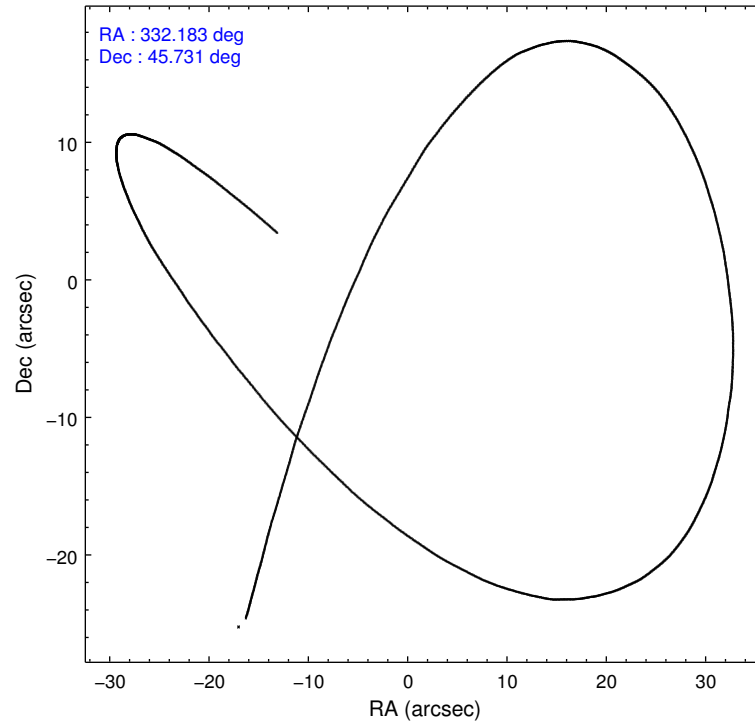
	segment 0
level 1 events	254713
rejected events	53003
rejected %	20%

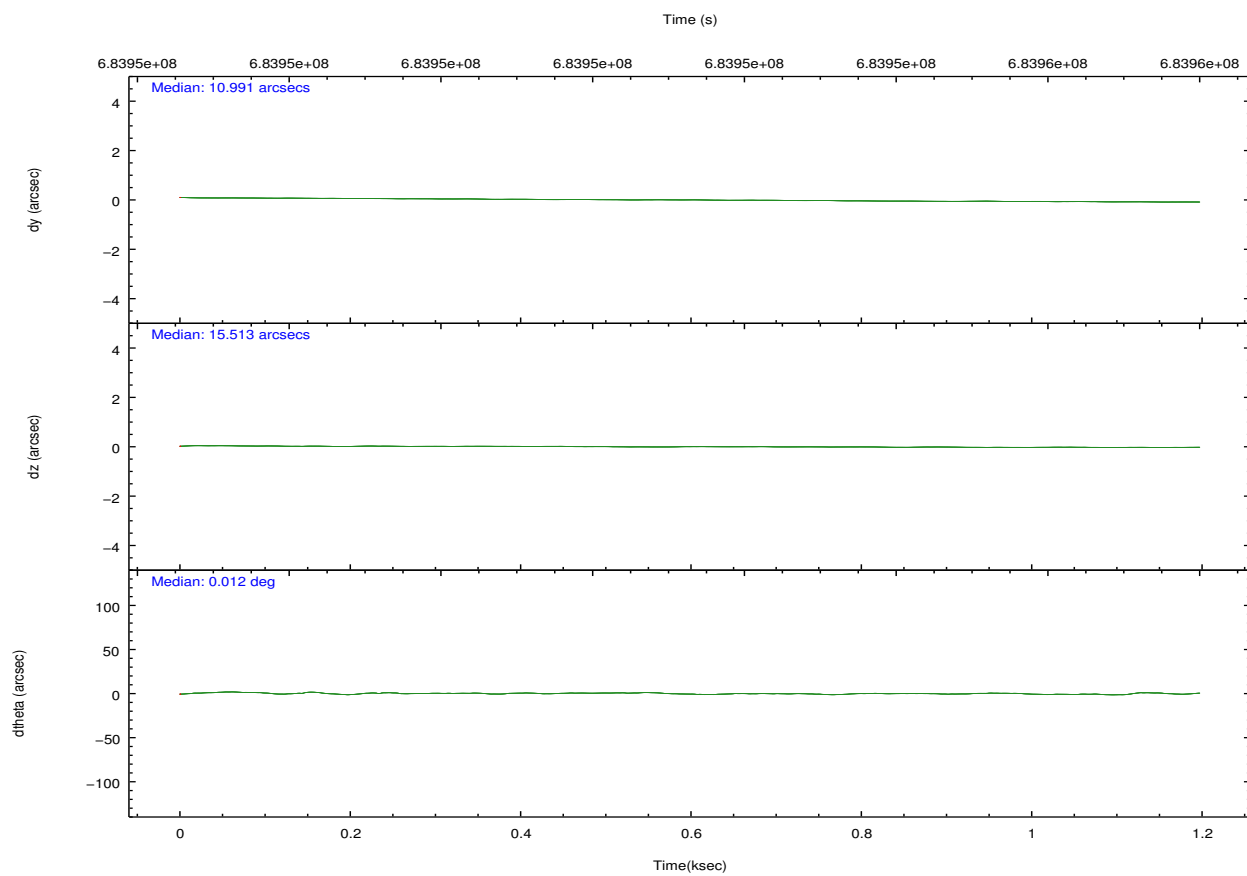
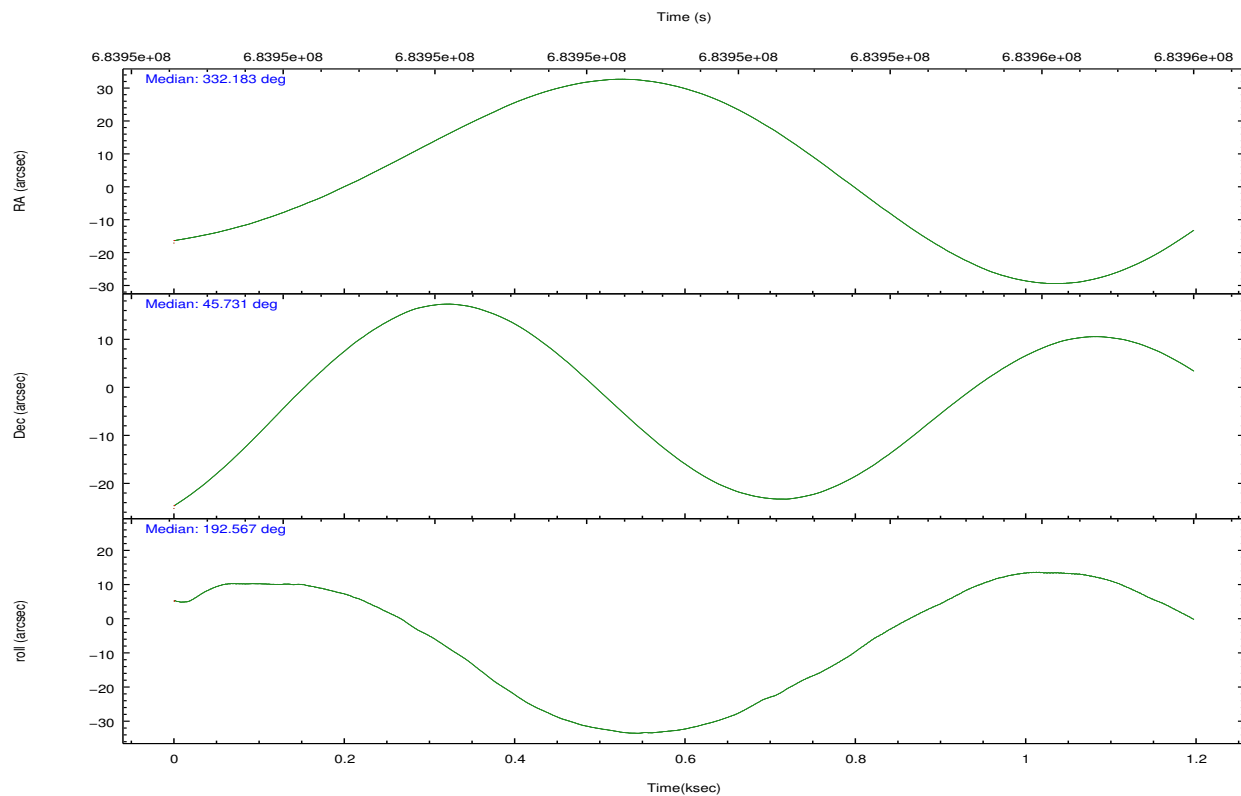
2.2 Compared Parameters

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	332.212604	332.1836066944607
[deg] Pointing Dec	45.748132	45.72986513400706
[deg] Pointing Roll	192.645010	192.5702972062241
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	683954113.184000	683953737.22376
Observation start date	2019-09-04T03:14:04	2019-09-04T03:08:57
[s] Observation end time (MET)	683955113.184000	683955247.0488501
Observation end date	2019-09-04T03:30:44	2019-09-04T03:34:07

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

2.3 Aspect



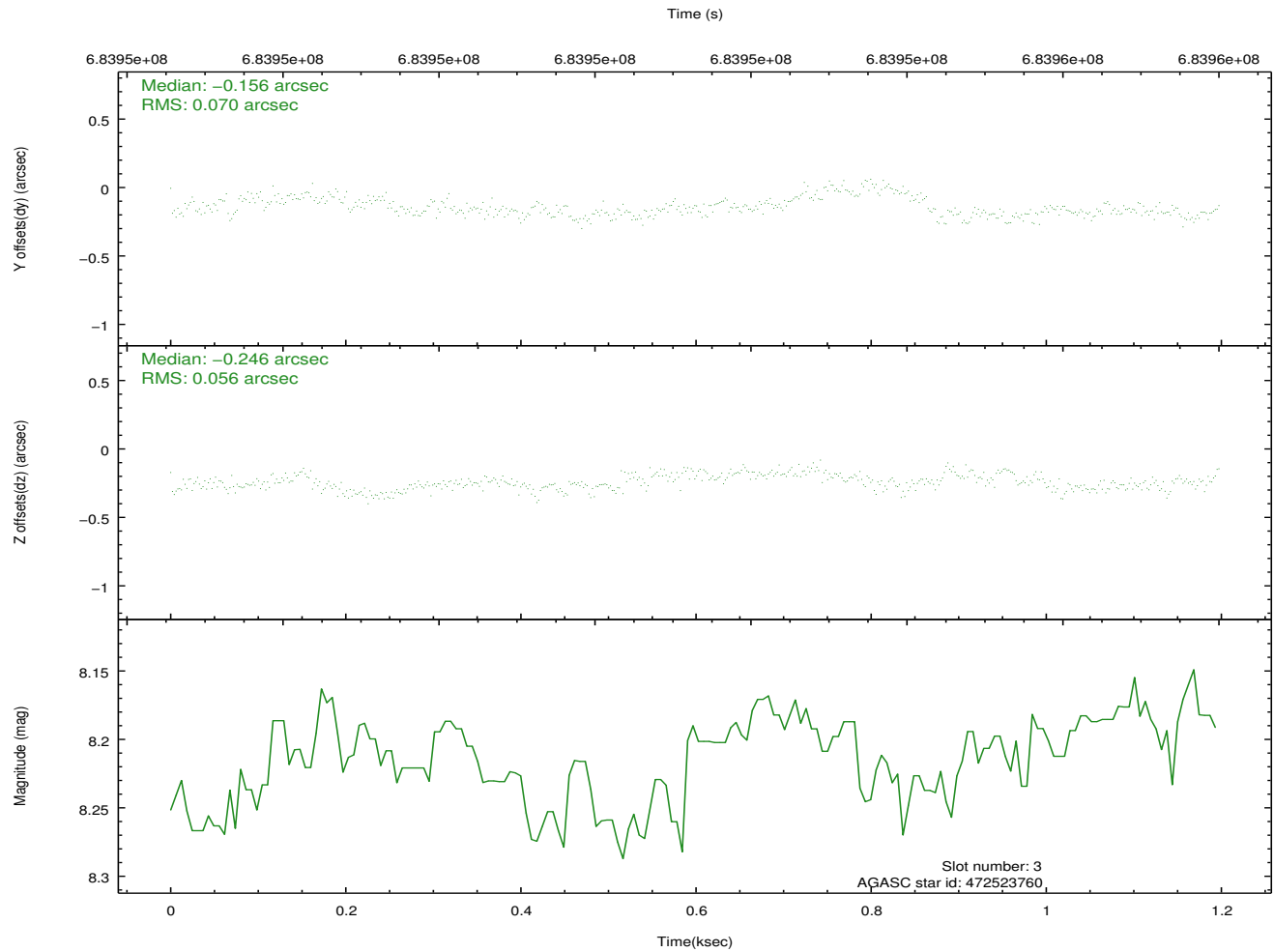
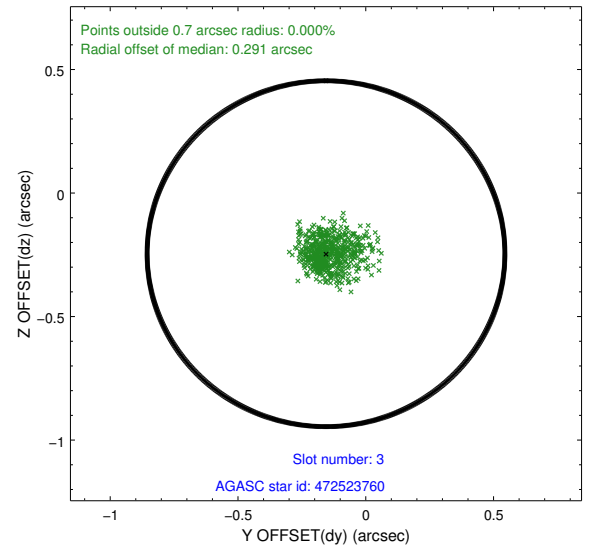
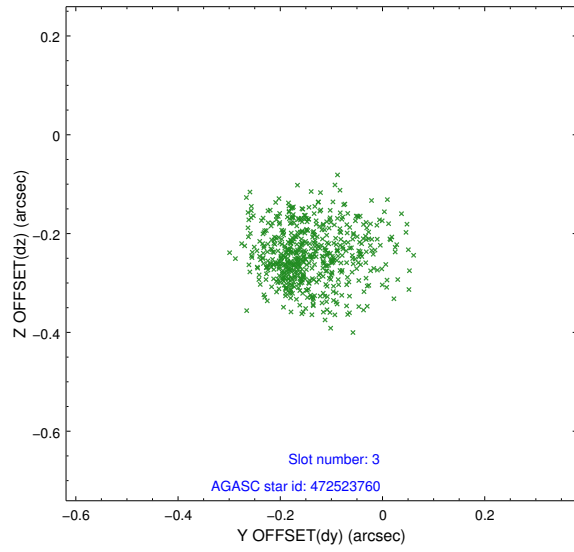


Slot Statistics

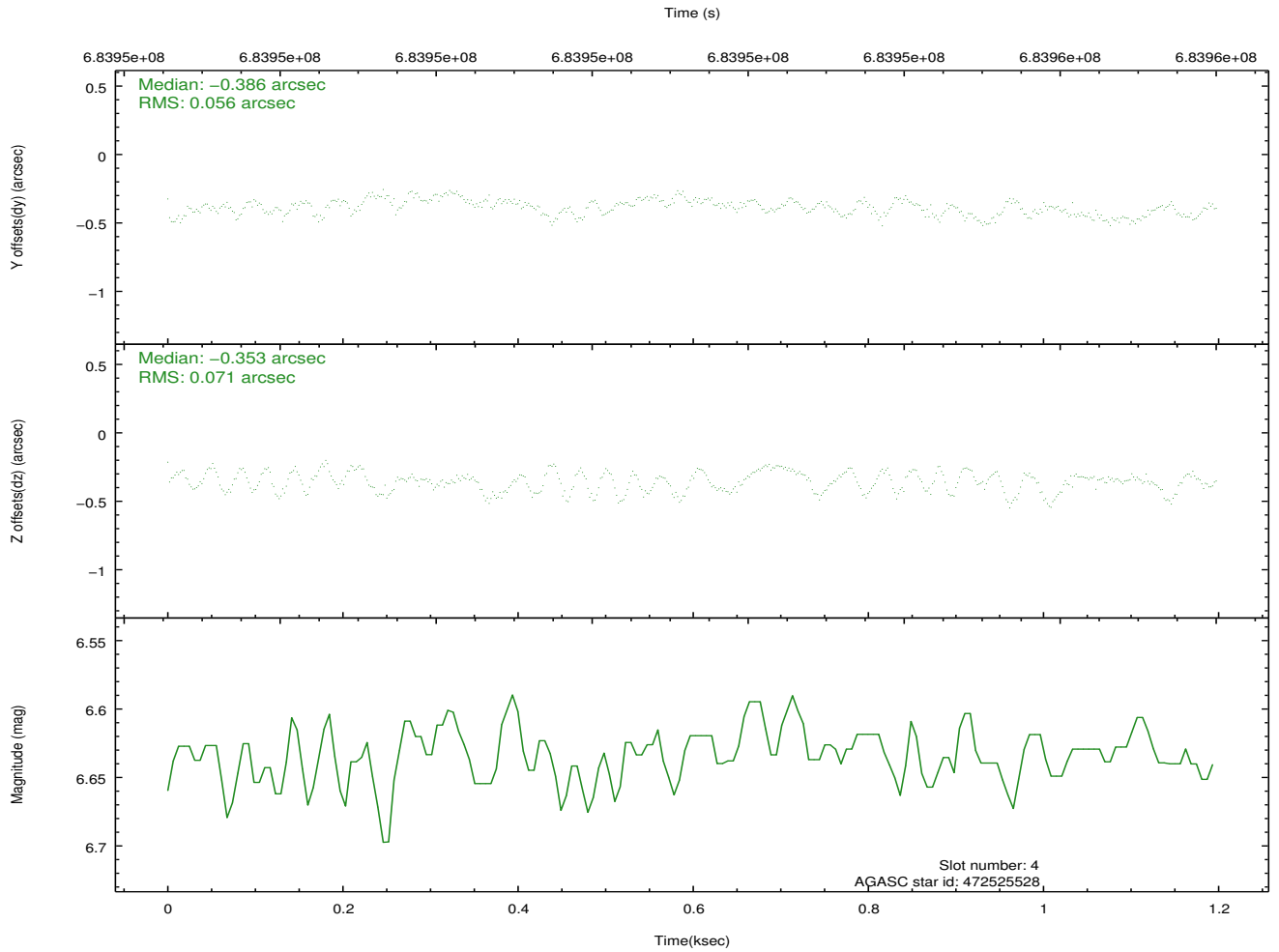
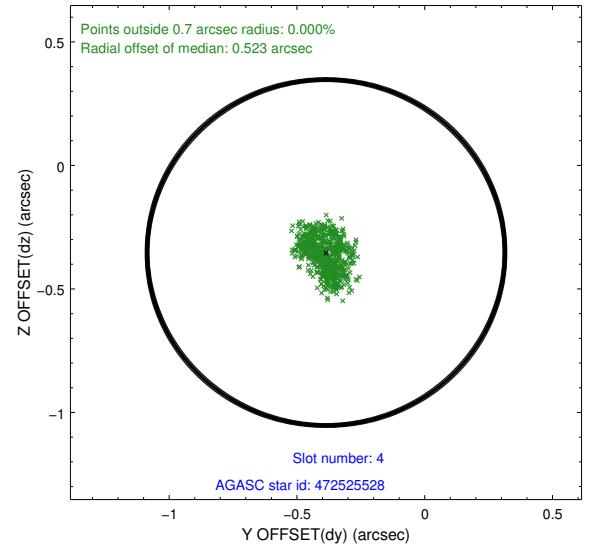
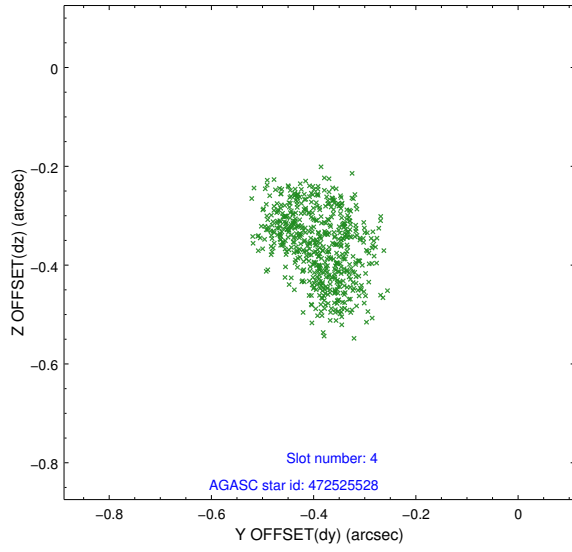
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.04	293	1.000	-0.201	-0.190	0.007	0.012	0.000000	0.000000	-766.96	-1303
1	FID		HRC-I-3	7.11	293	1.000	-0.248	-0.119	0.009	0.019	0.000000	0.000000	-1197.97	996
2	FID		HRC-I-4	7.04	293	1.000	0.563	0.219	0.007	0.011	0.000000	0.000000	1272.65	1002
3	GUIDE	used	472523760	8.21	585	1.000	-0.156	-0.246	0.093	0.162	331.645363	45.403260	1668.56	895
4	GUIDE	used	472525528	6.63	585	1.000	-0.386	-0.353	0.099	0.148	331.551102	45.248694	2028.82	1384
5	GUIDE	used	472527720	6.99	585	1.000	-0.364	-0.370	0.116	0.178	331.460205	45.112509	2365.76	1810
6	GUIDE	used	472535576	7.84	585	1.000	0.240	0.330	0.121	0.199	331.438373	46.291802	1452.16	-2334
7	GUIDE	used	472665256	8.96	584	1.000	0.645	0.649	0.158	0.232	332.808125	46.195041	-1799.28	-1251

2.4 Star Slots

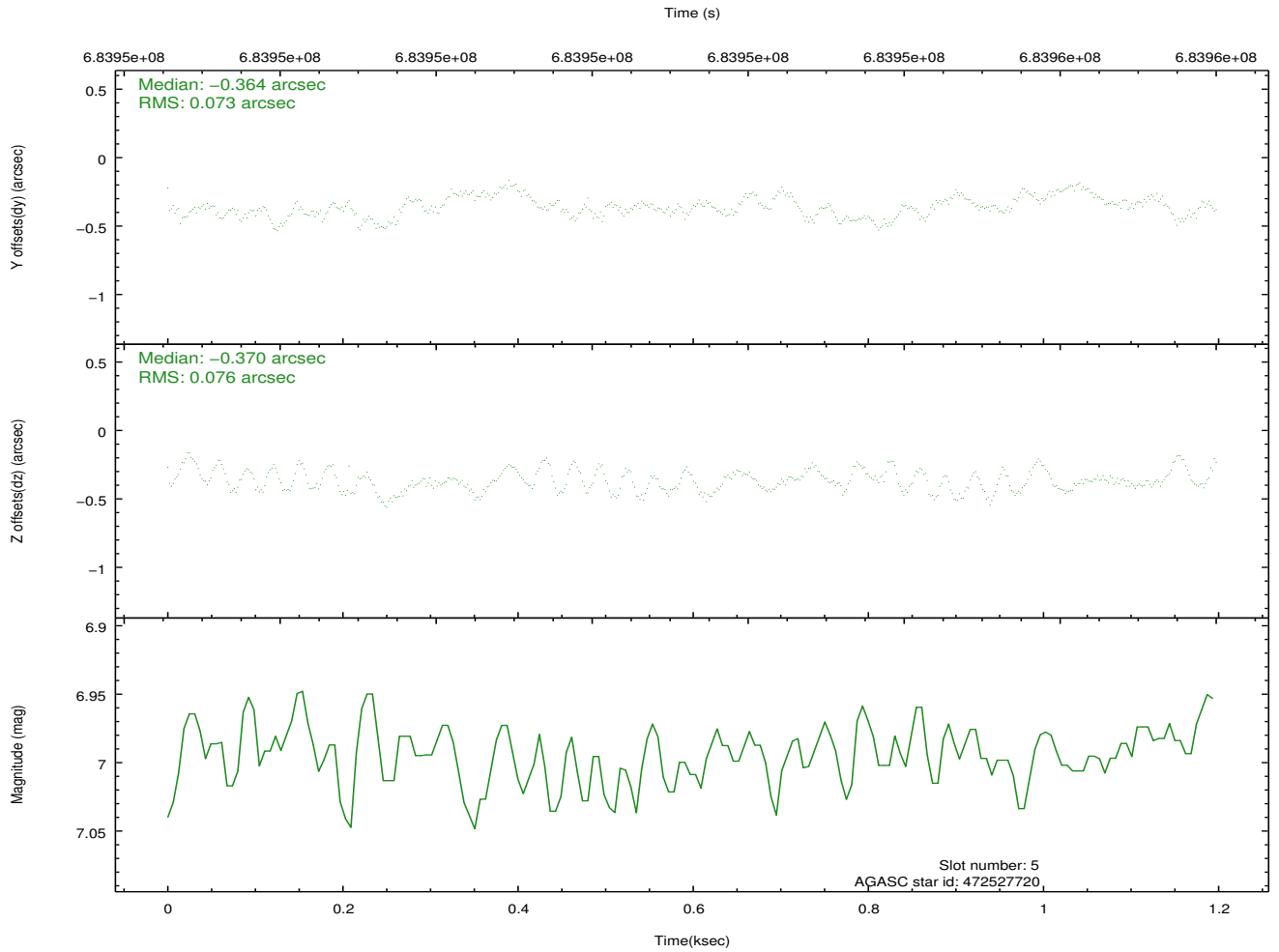
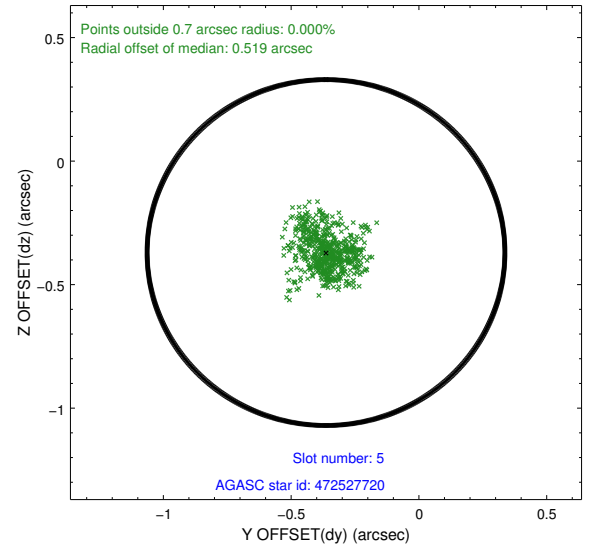
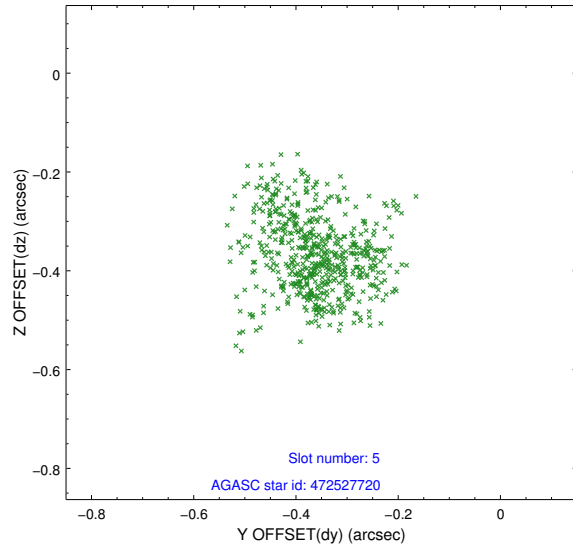
2.4.1 Slot 3



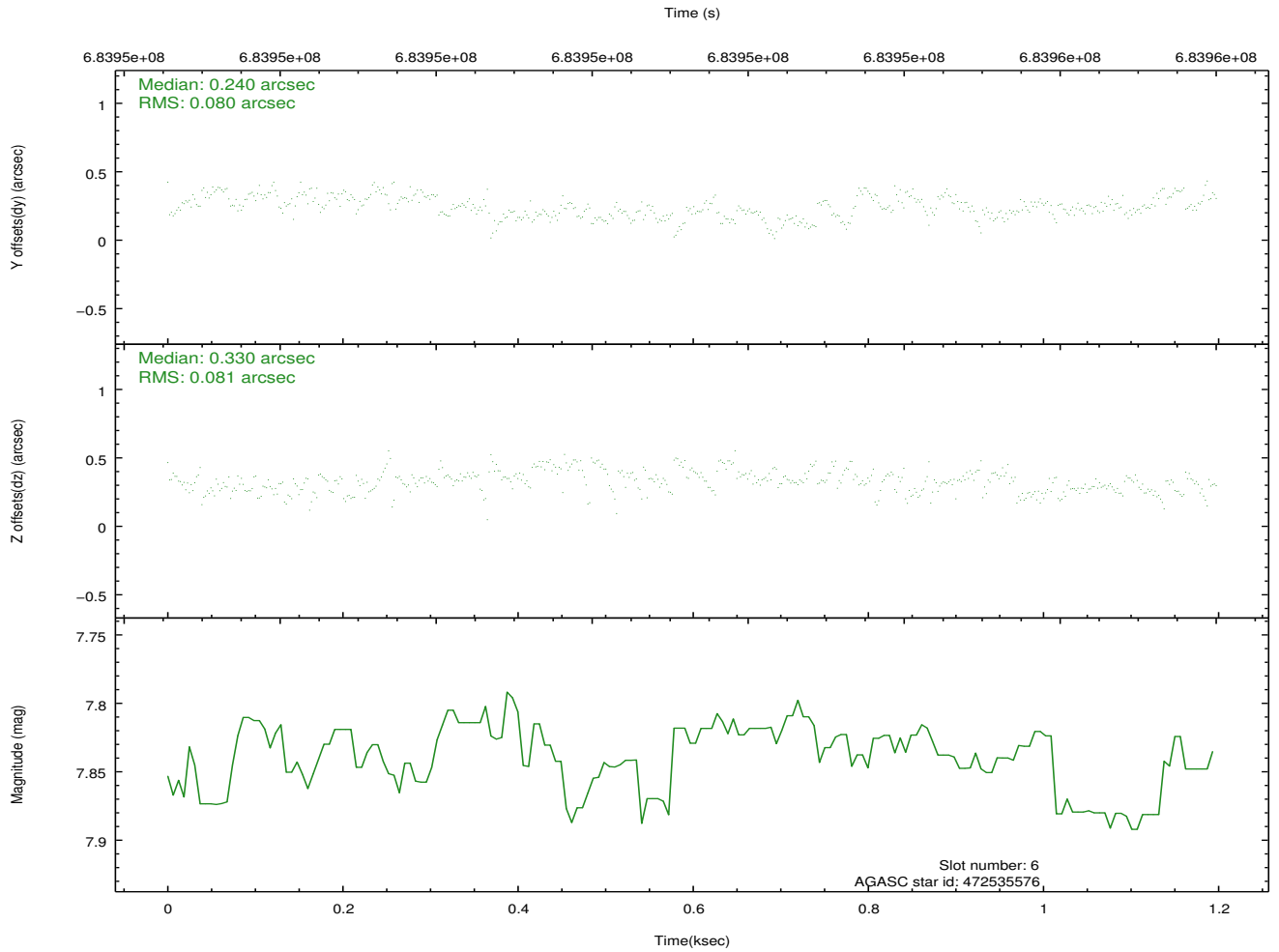
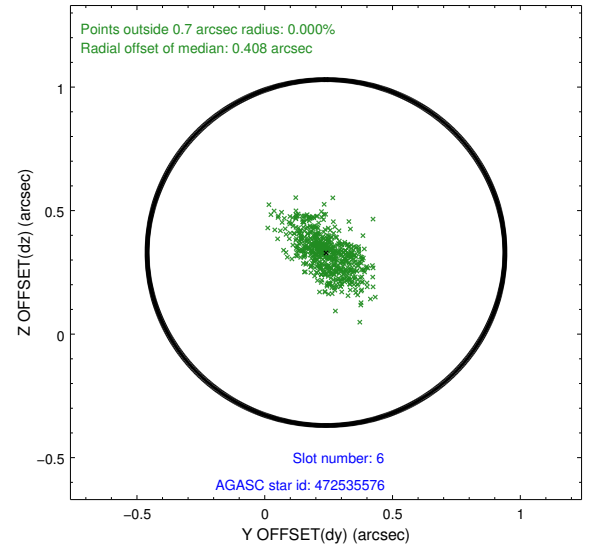
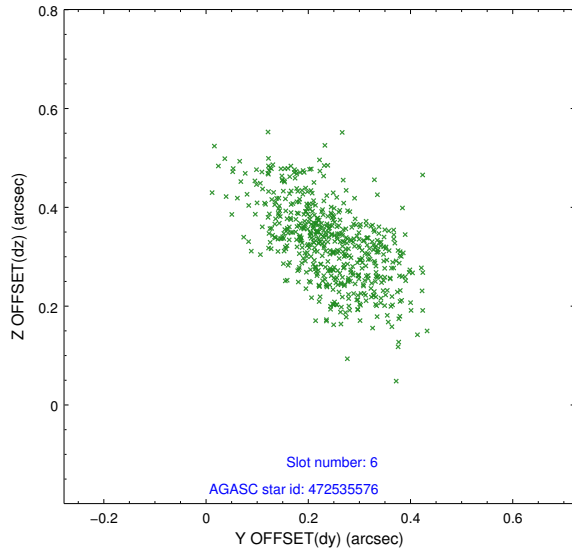
2.4.2 Slot 4



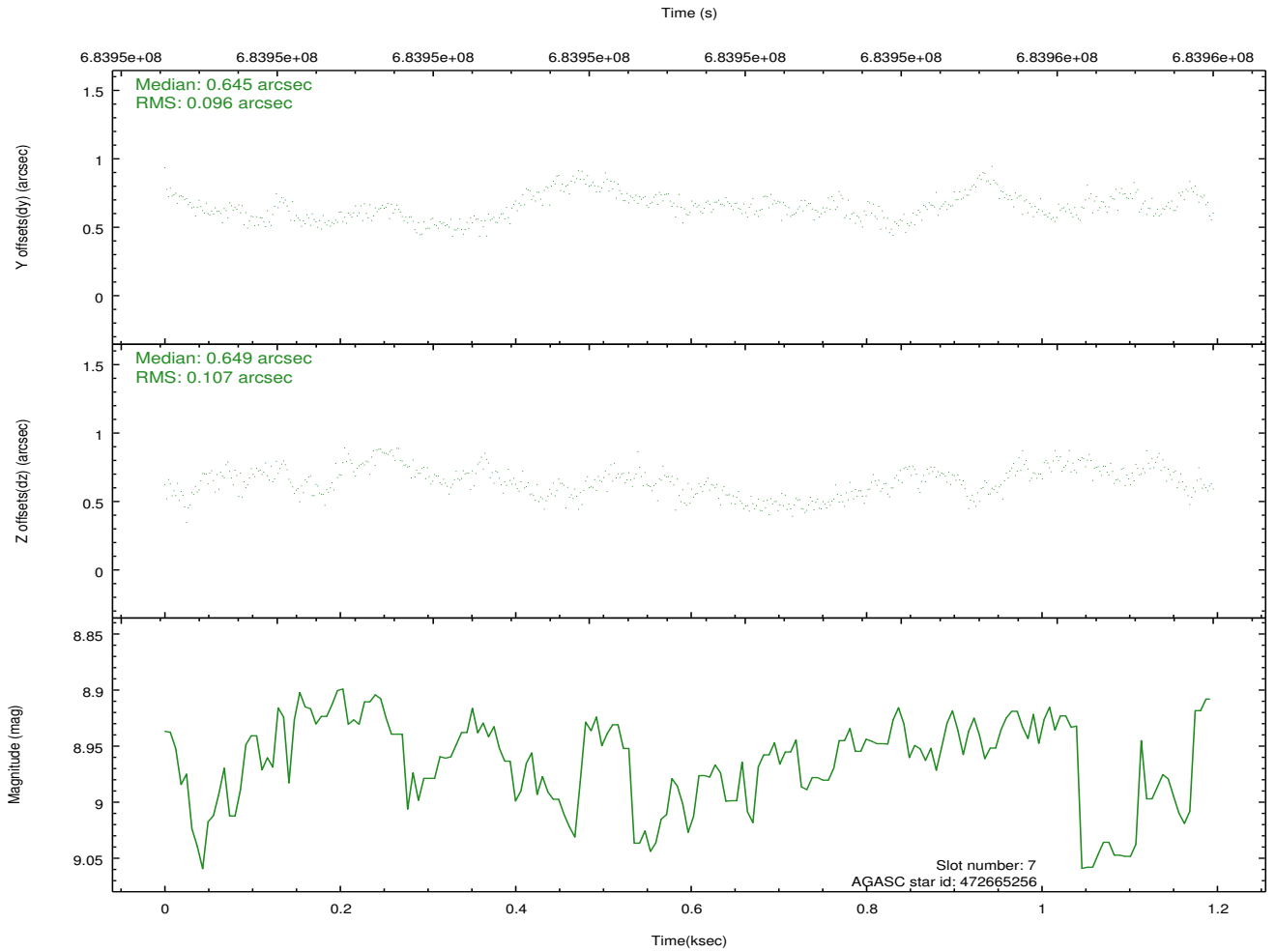
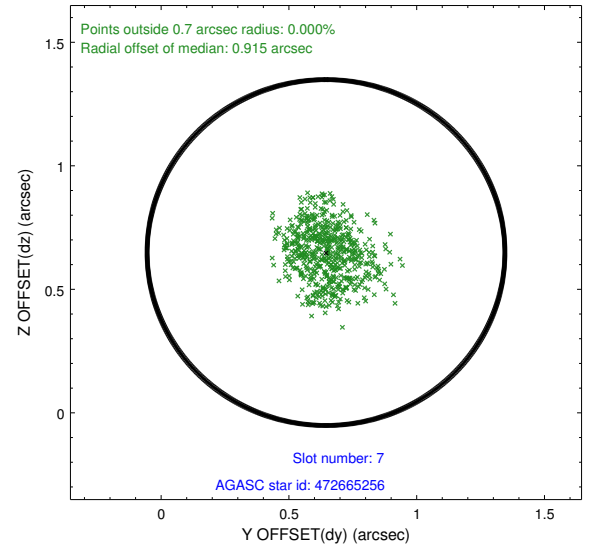
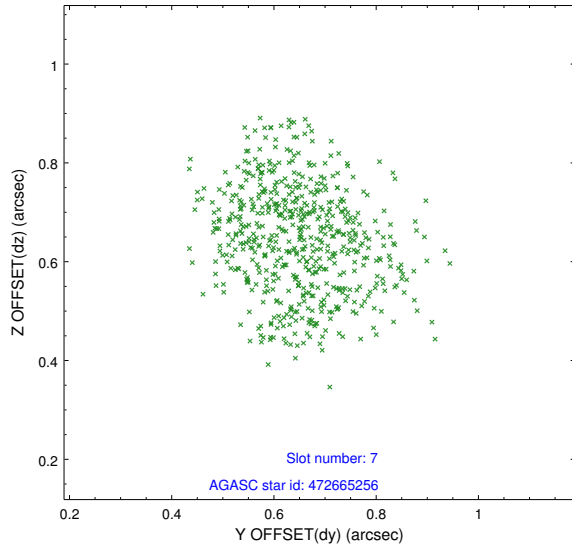
2.4.3 Slot 5



2.4.4 Slot 6

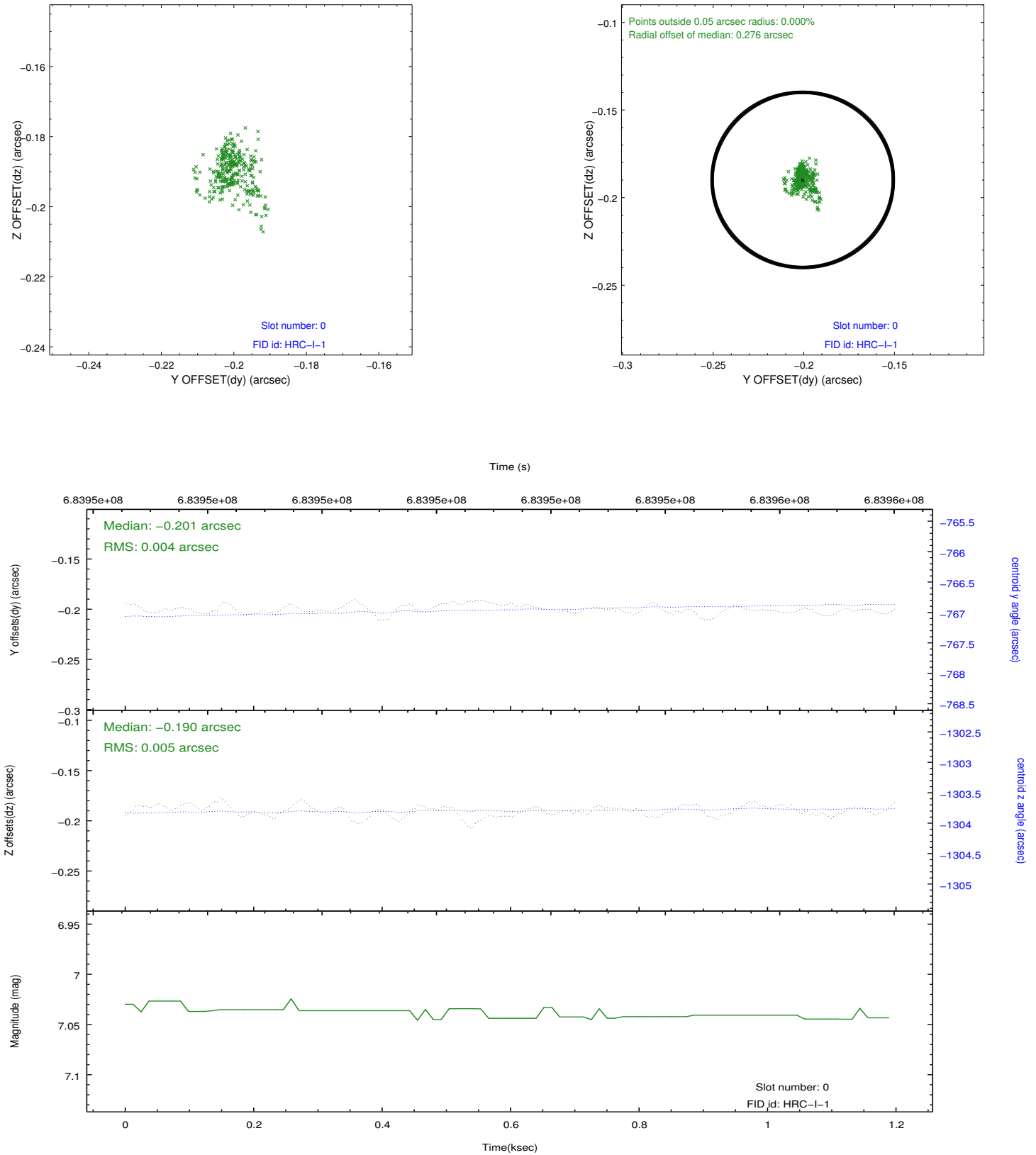


2.4.5 Slot 7

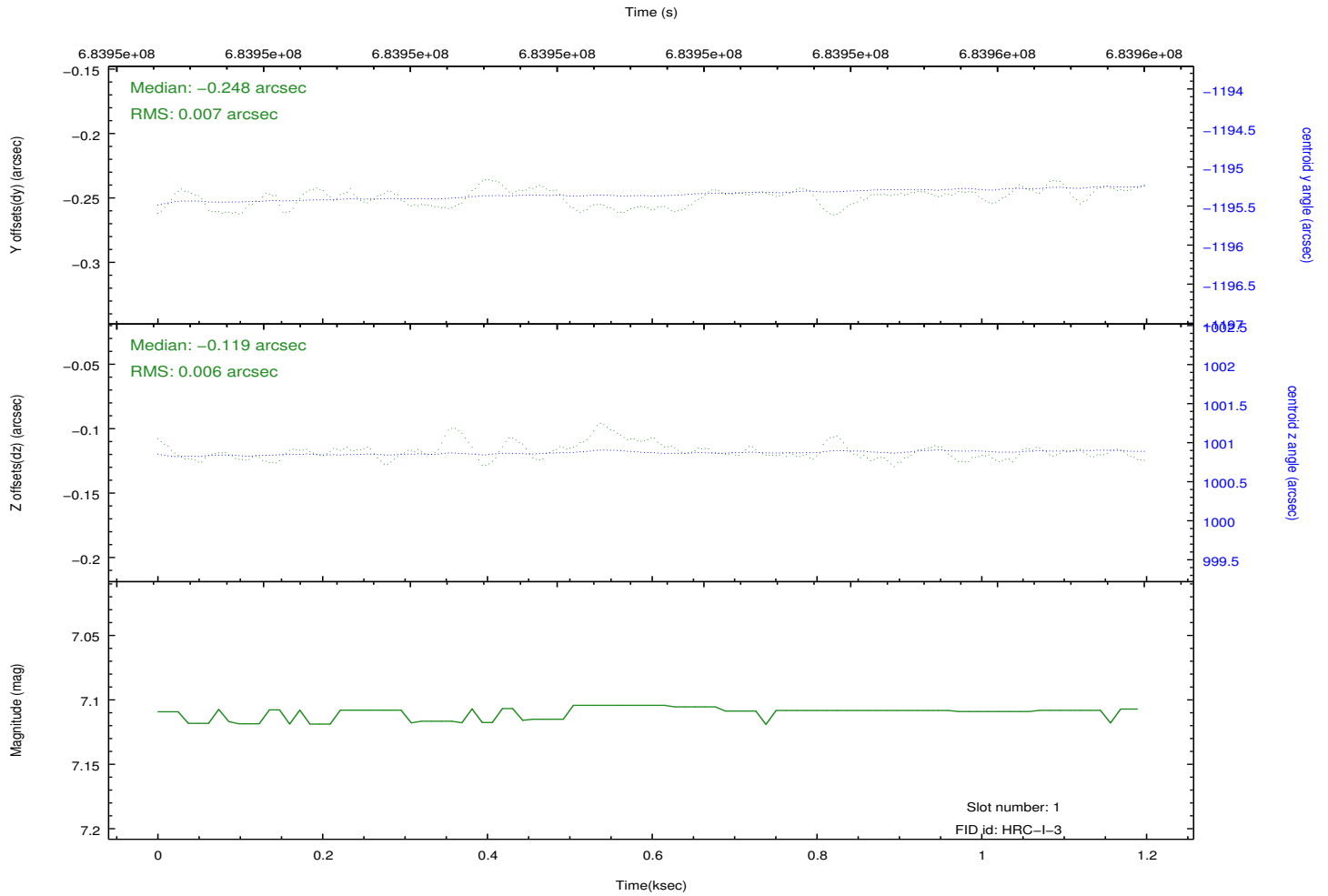
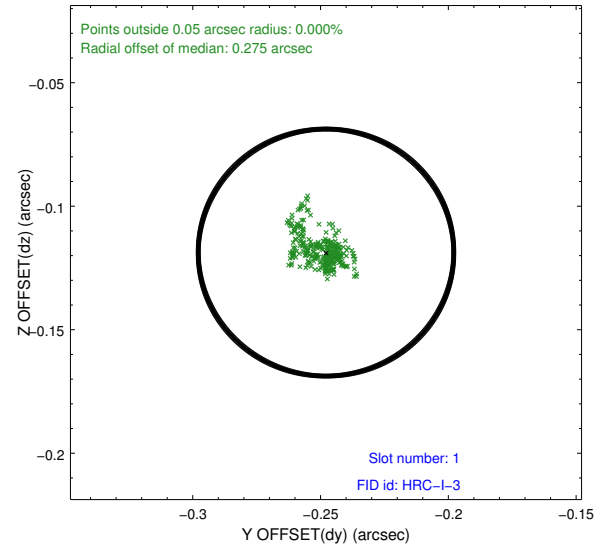
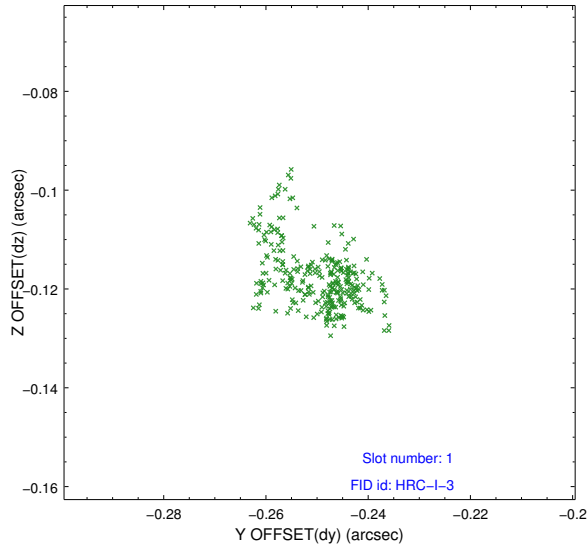


2.5 FID Slots

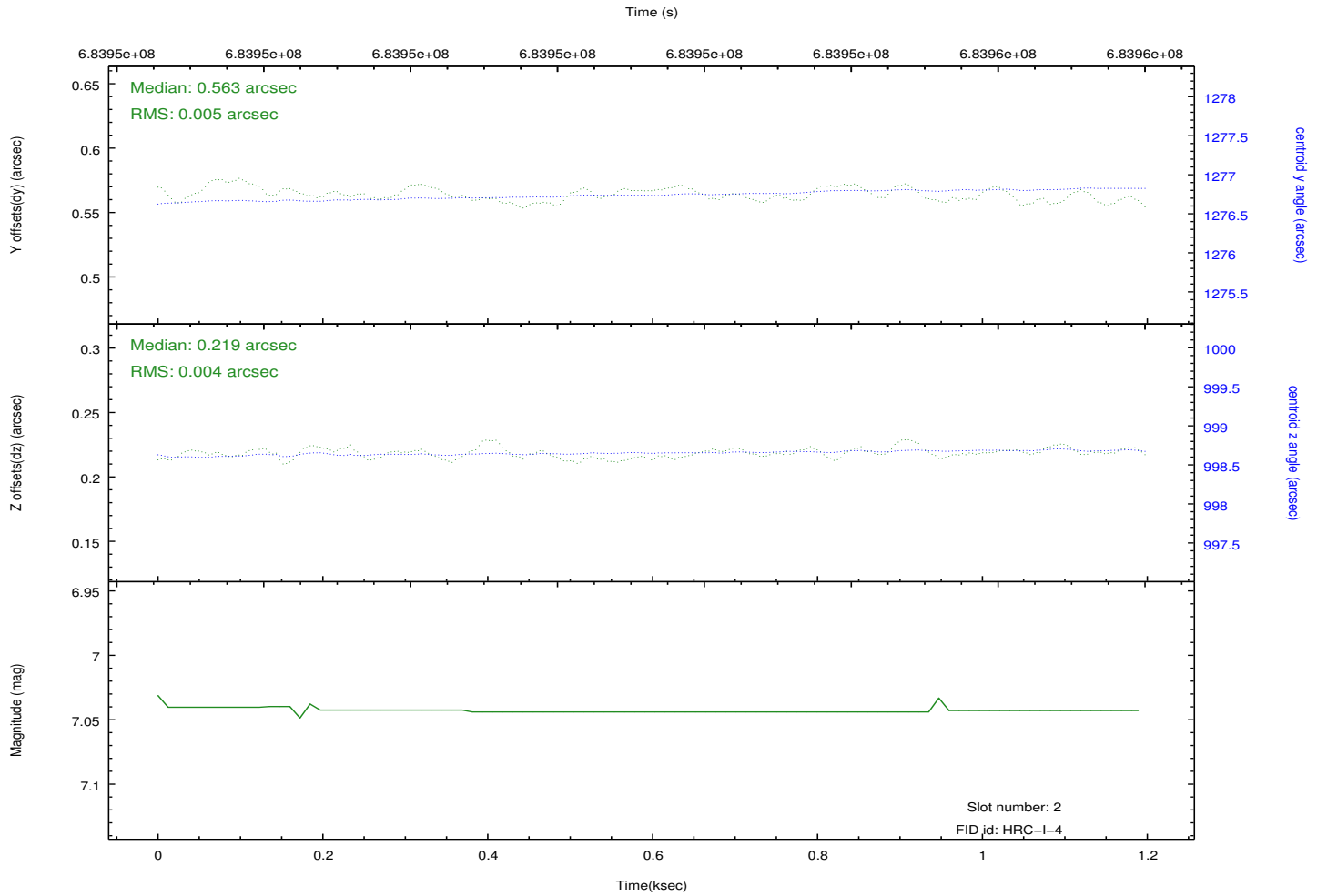
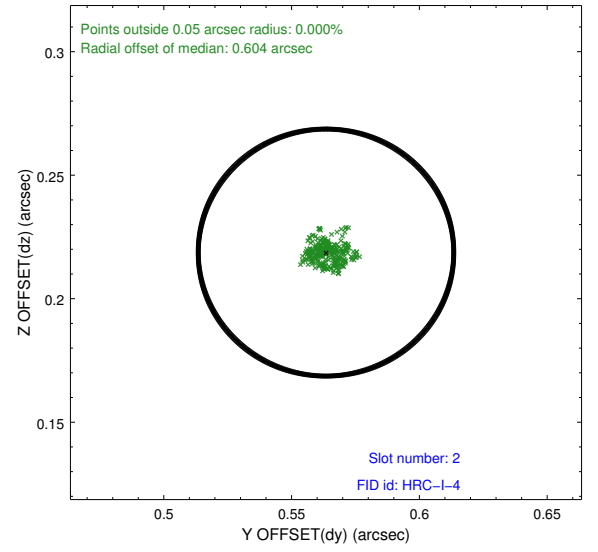
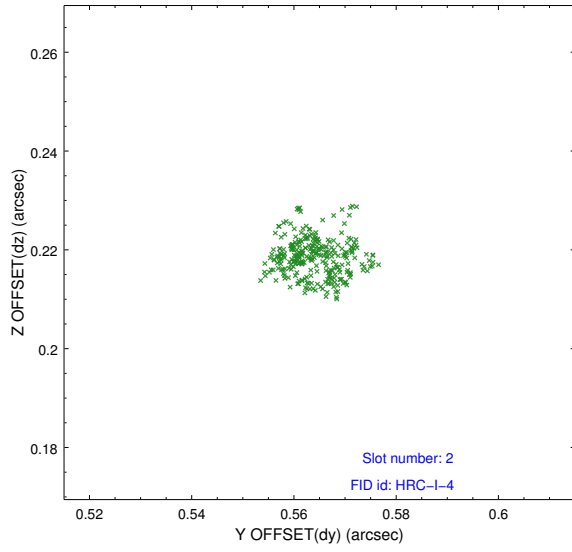
2.5.1 Slot 0



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)	2019.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1964313220978

A.2 Comments