

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21749 - L2 Version 1
Chandra X-Ray Center

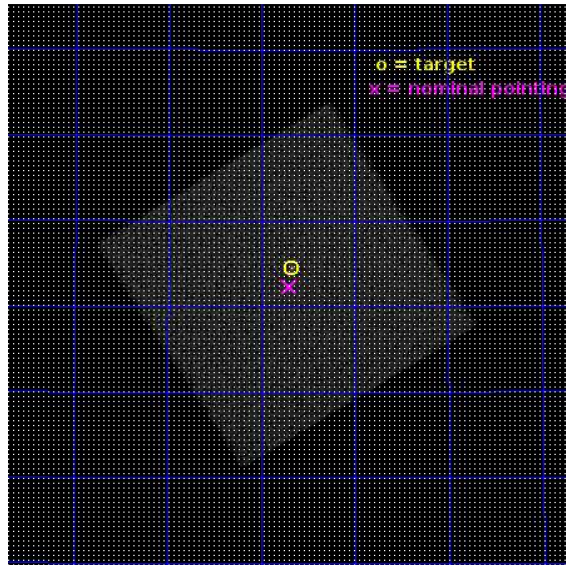
L2 Processing Date : Sep 4 2019

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1 Front

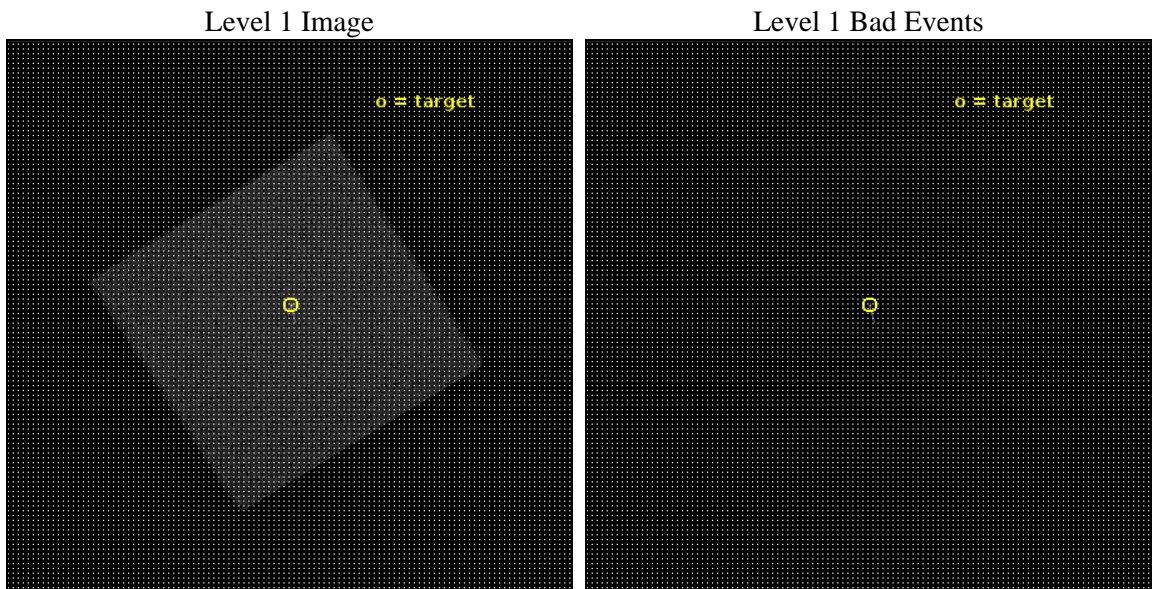
seq_num	291435	Sequence number
obs_id	21749	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.17516202454	Nominal RA [deg]
dec_nom	45.705518274361	Nominal Dec [deg]
roll_nom	192.66895500041	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1196.431322217	[s]
livetime	1179.0047376682	Ontime multiplied by DTCOR
l2events	154219	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	1196.431322217	[s]
caldbver	4.8.4	 	l1events	251964	Number of level 1 events
date	2019-09-04T14:35:47	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

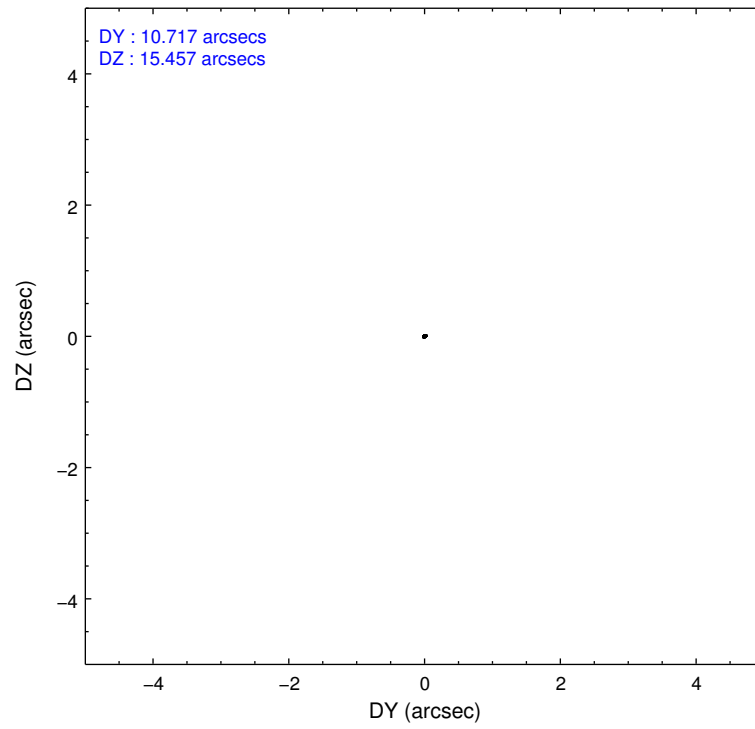
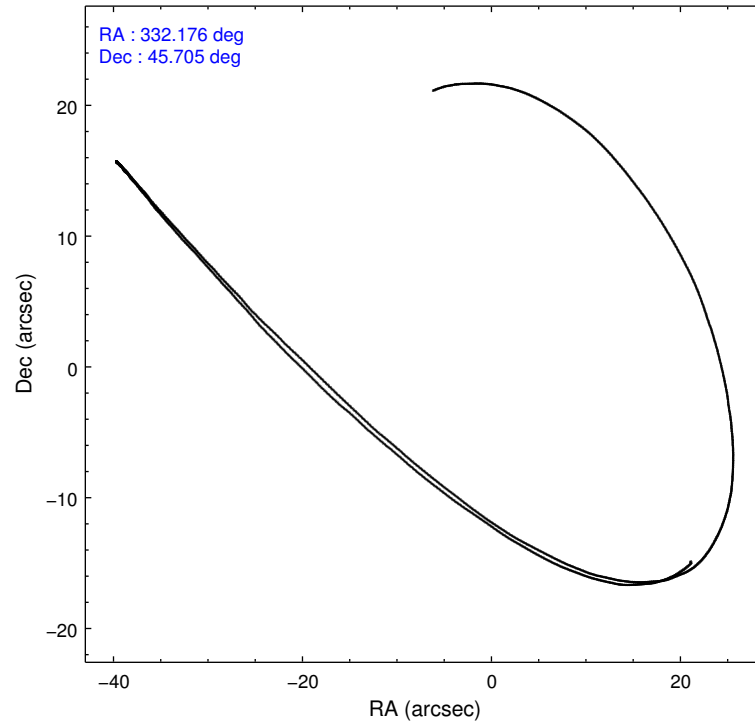
	segment 0
level 1 events	251964
rejected events	52250
rejected %	20%

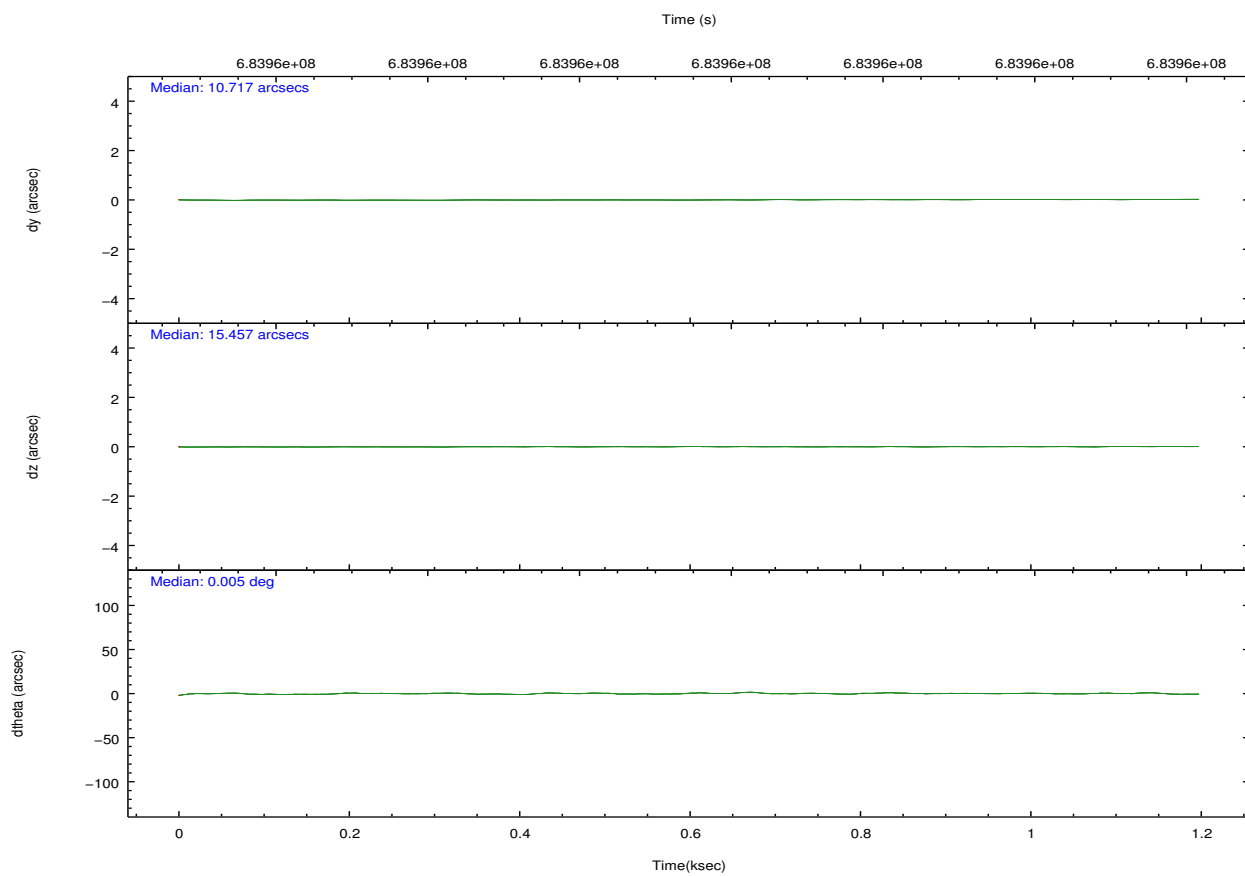
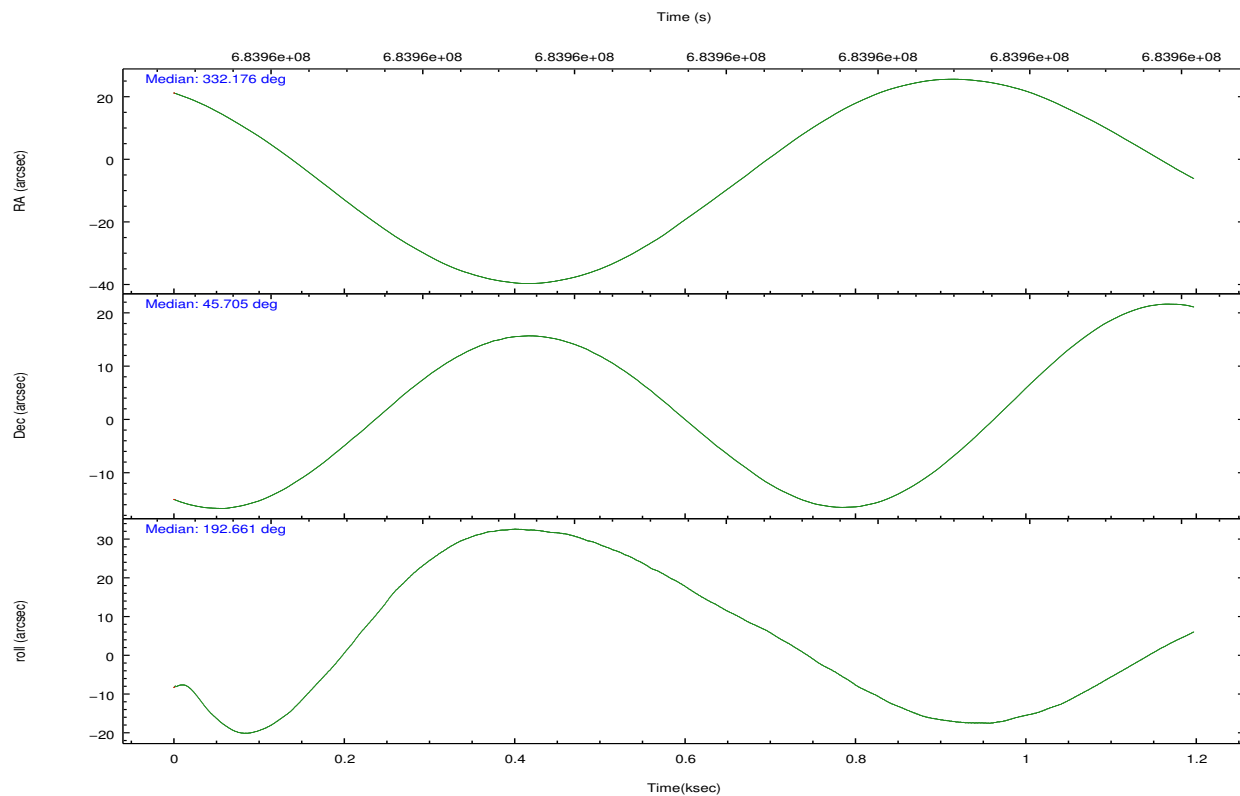
2.2 Compared Parameters

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	332.202931	332.1751620245384
[deg] Pointing Dec	45.724563	45.70551827436091
[deg] Pointing Roll	192.744405	192.6689550004104
[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)	683960153.184000	683959777.5491199
Observation start date	2019-09-04T04:54:44	2019-09-04T04:49:37
[s] Observation end time (MET)	683961153.184000	683961287.37421
Observation end date	2019-09-04T05:11:24	2019-09-04T05:14:47

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

2.3 Aspect



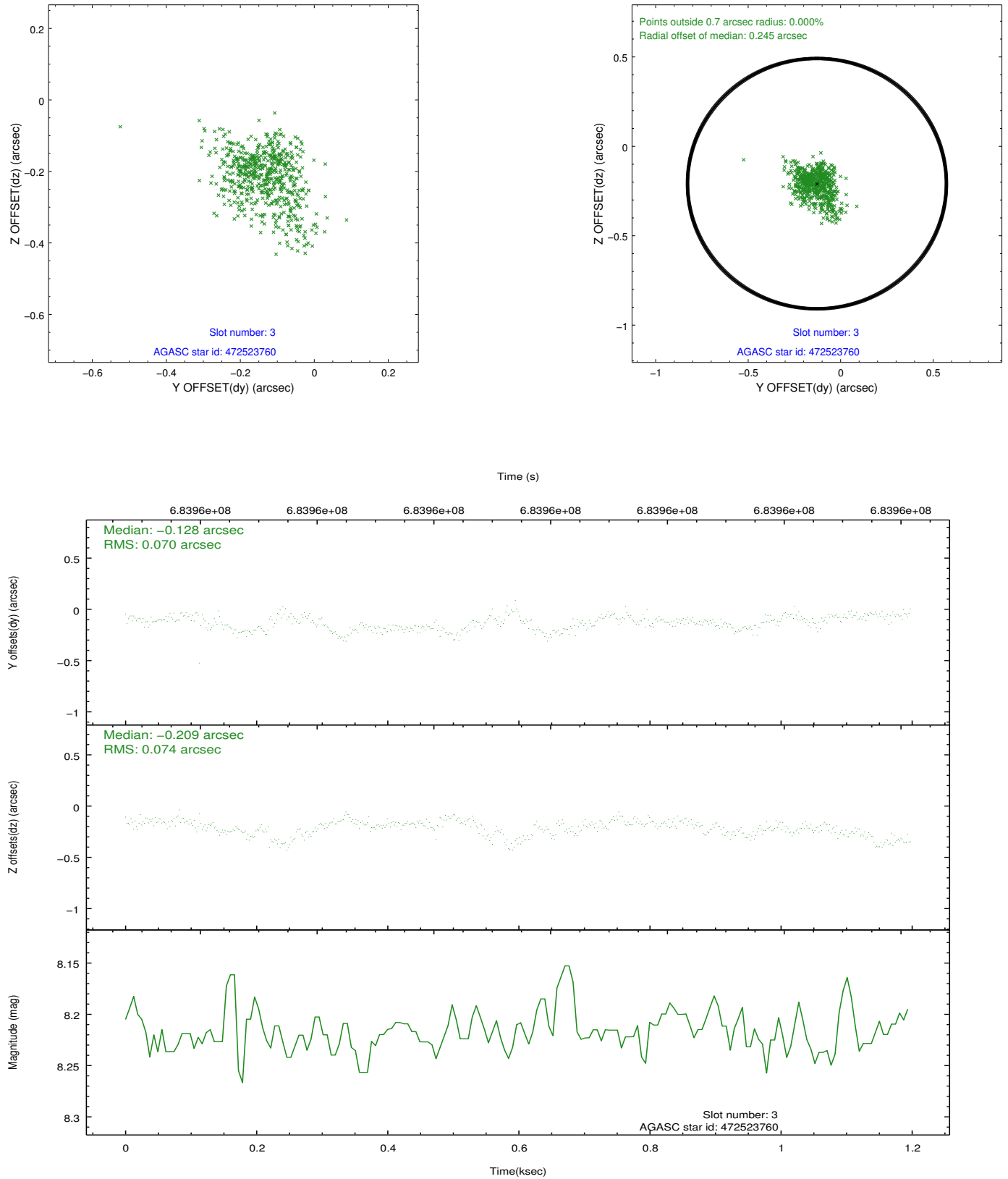


Slot Statistics

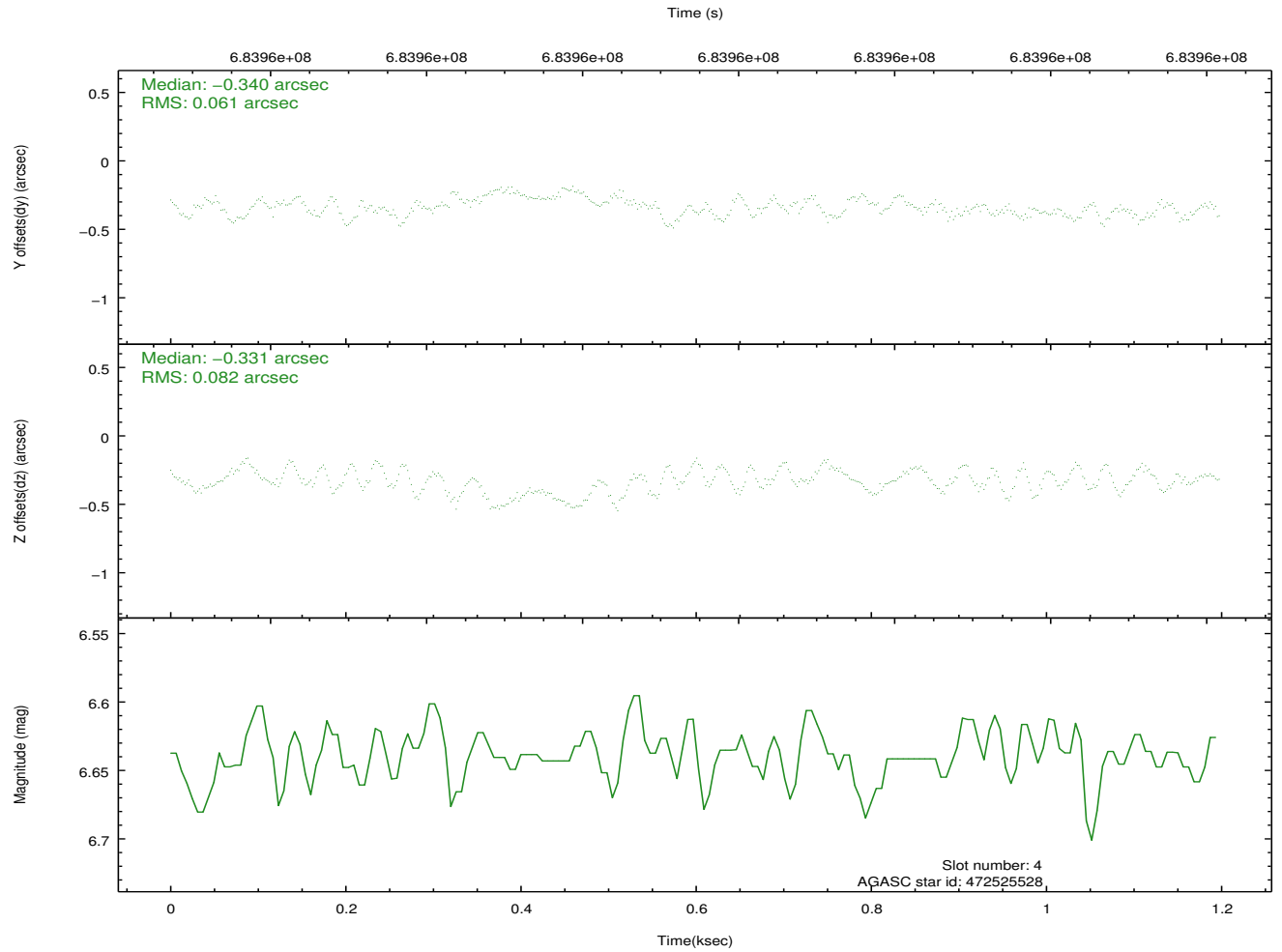
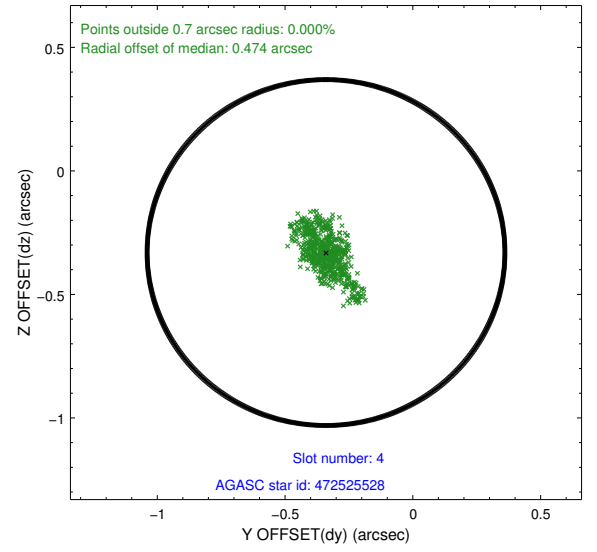
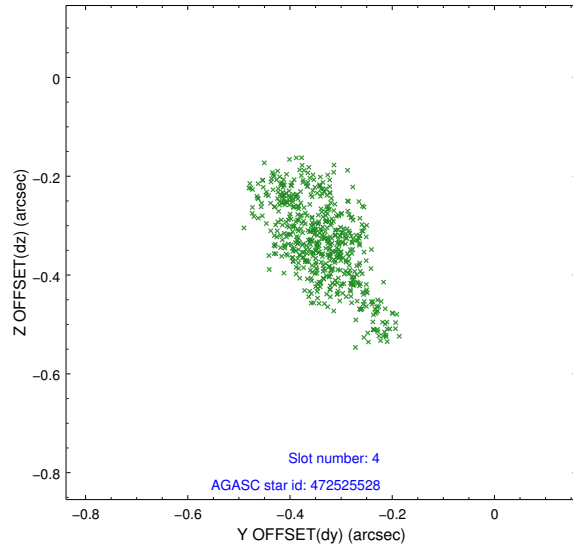
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.03	293	1.000	-0.233	-0.057	0.006	0.011	0.000000	0.000000	-766.55	-1303
1	FID		HRC-I-2	7.06	293	1.000	0.388	-0.110	0.006	0.011	0.000000	0.000000	844.08	-1309
2	FID		HRC-I-3	7.12	293	1.000	-0.036	0.079	0.006	0.011	0.000000	0.000000	-1192.10	996
3	GUIDE	used	472523760	8.22	585	1.000	-0.128	-0.209	0.104	0.189	331.645363	45.403260	1629.82	812
4	GUIDE	used	472525528	6.64	585	1.000	-0.340	-0.331	0.107	0.187	331.551102	45.248694	1990.84	1300
5	GUIDE	used	472527720	6.99	584	1.000	-0.341	-0.350	0.109	0.167	331.460205	45.112509	2328.40	1726
6	GUIDE	used	472535576	7.84	585	1.000	0.240	0.320	0.141	0.227	331.438373	46.291802	1408.23	-2417
7	GUIDE	used	472665256	8.96	584	1.000	0.565	0.591	0.114	0.189	332.808125	46.195041	-1841.59	-1329

2.4 Star Slots

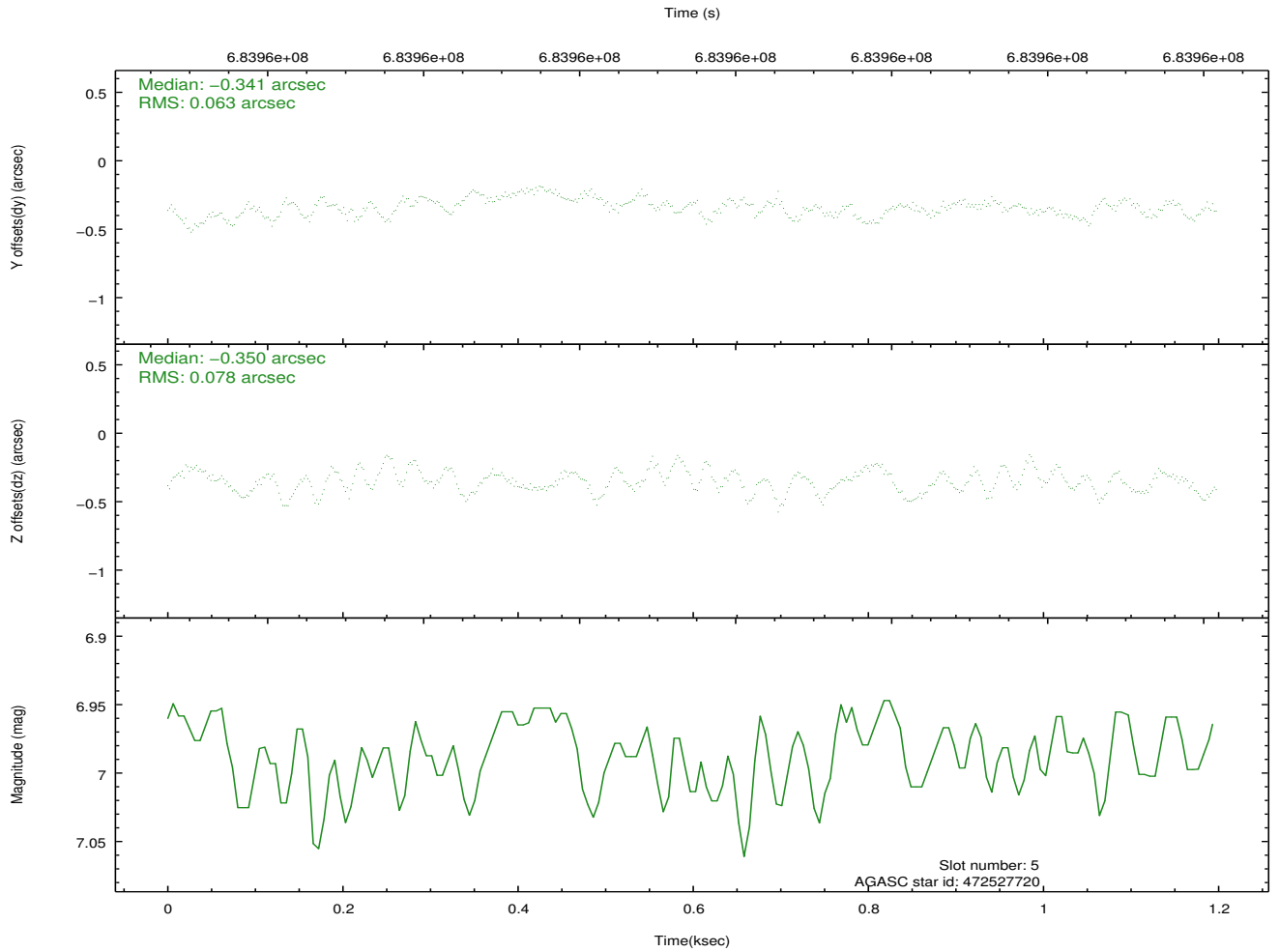
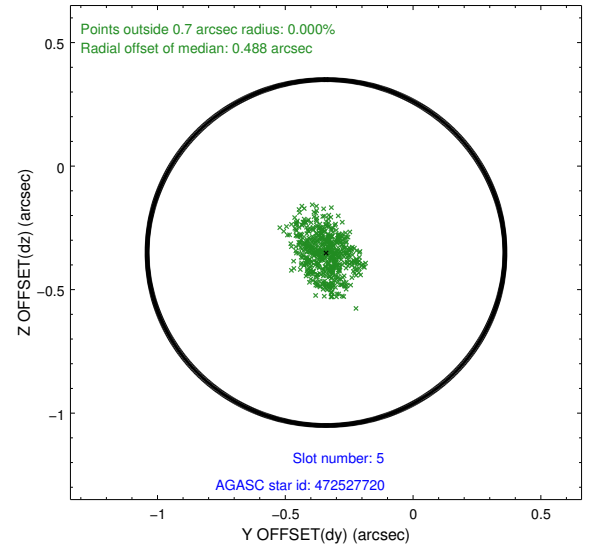
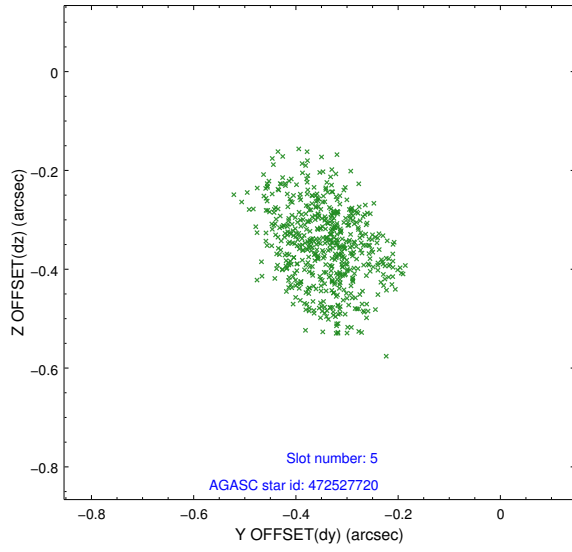
2.4.1 Slot 3



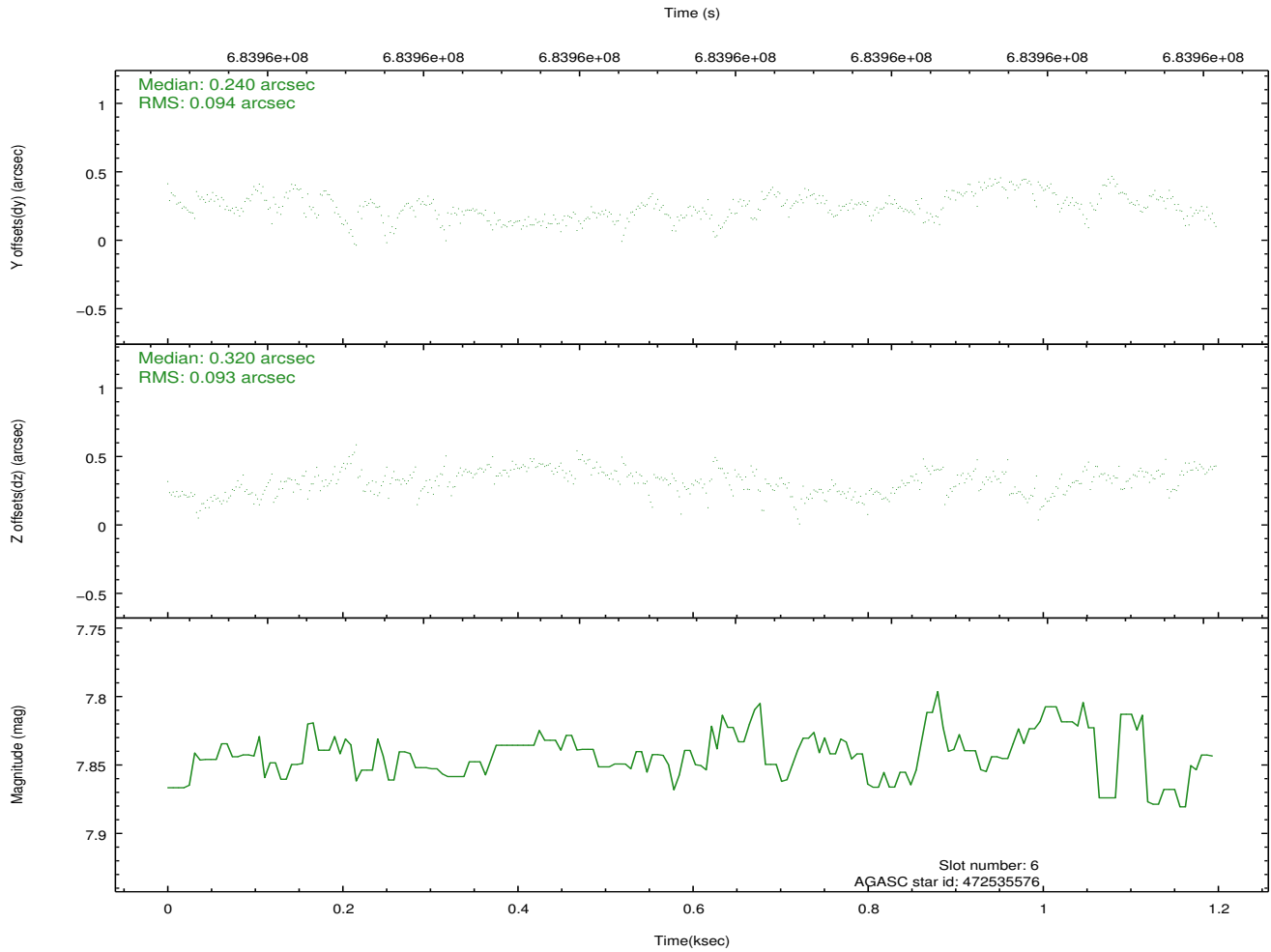
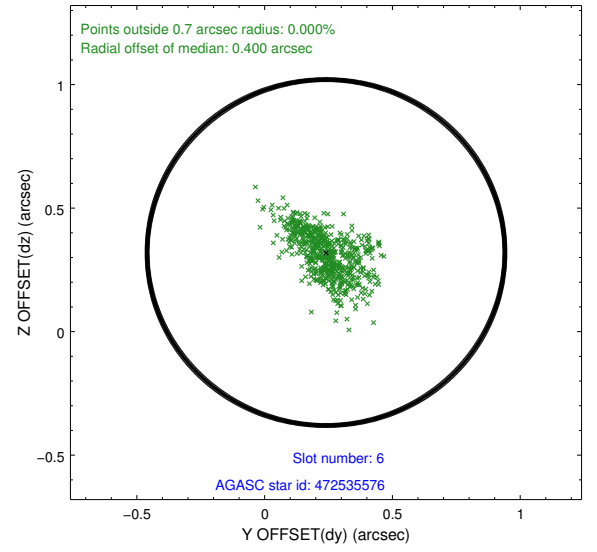
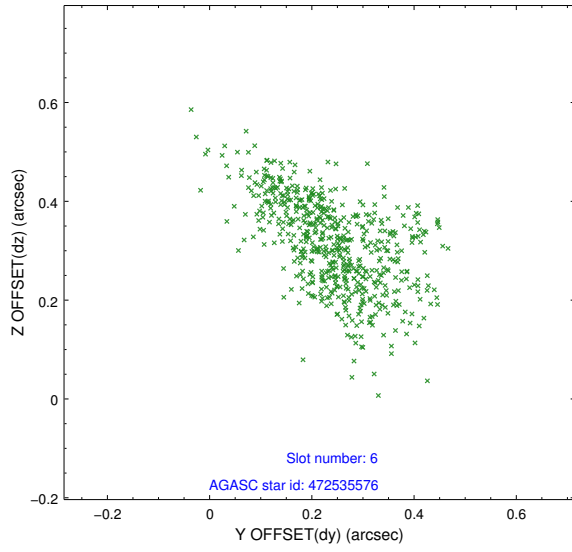
2.4.2 Slot 4



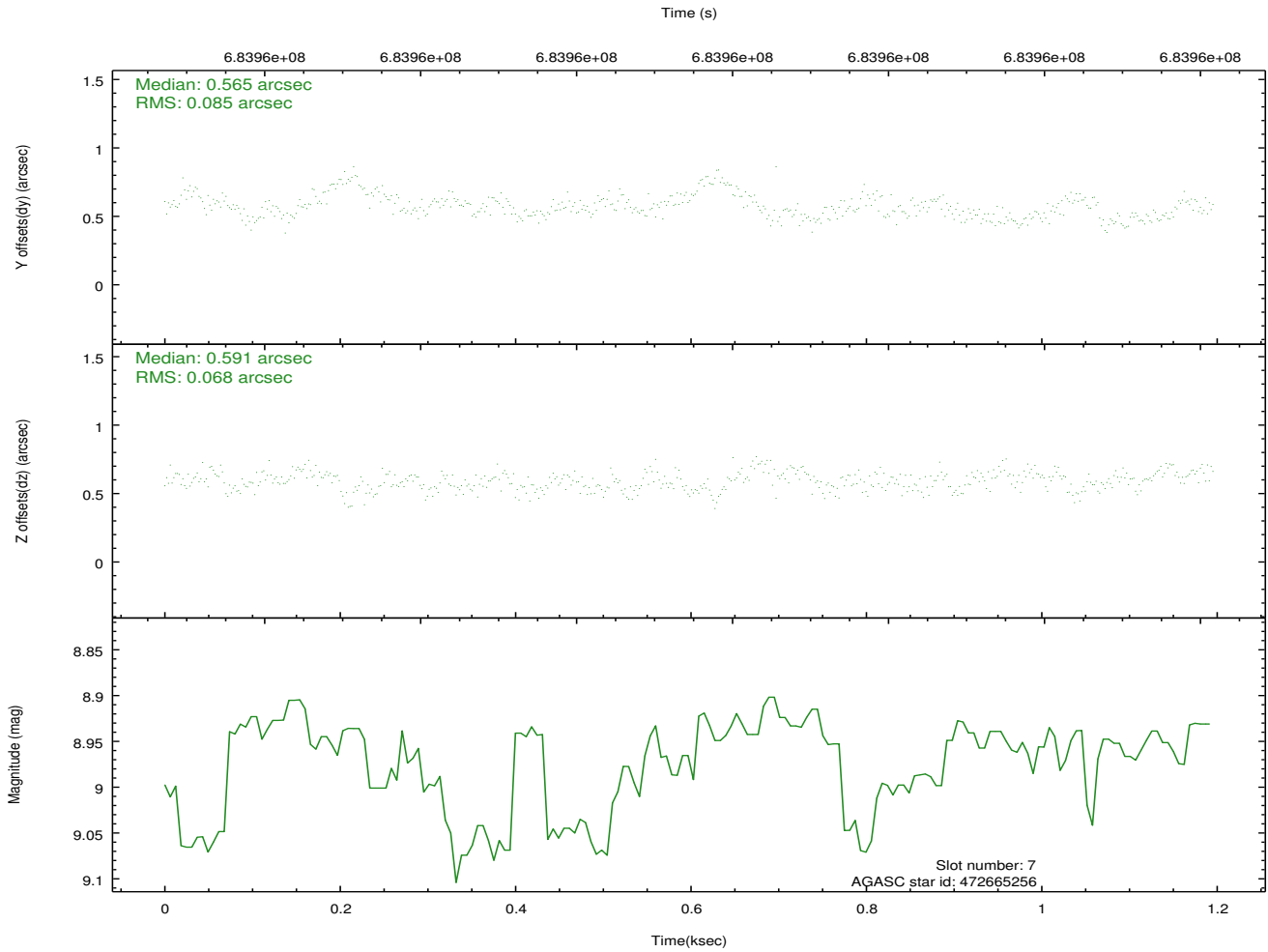
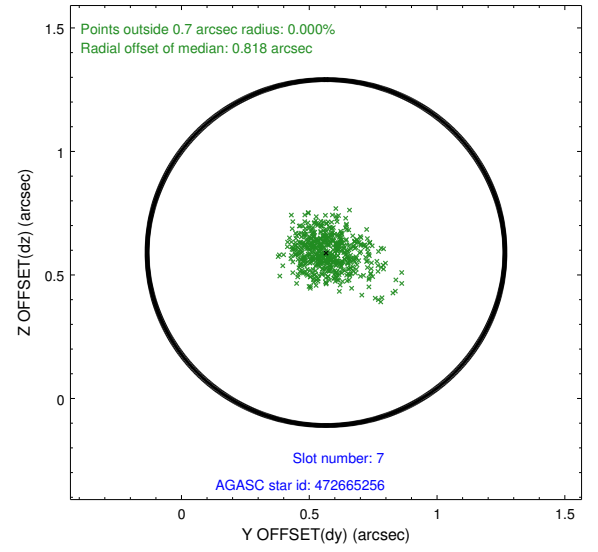
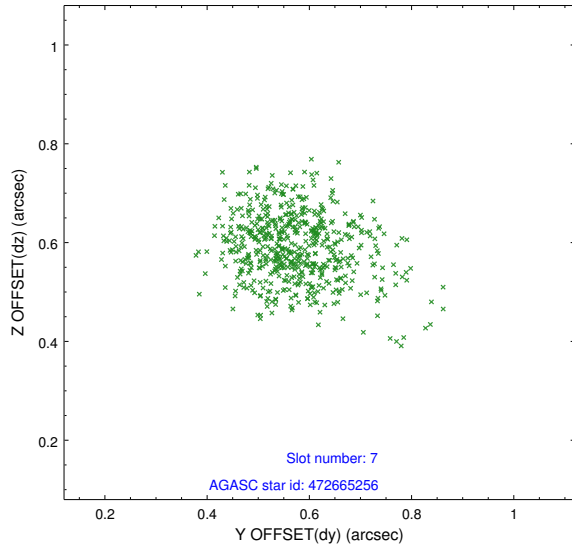
2.4.3 Slot 5



2.4.4 Slot 6

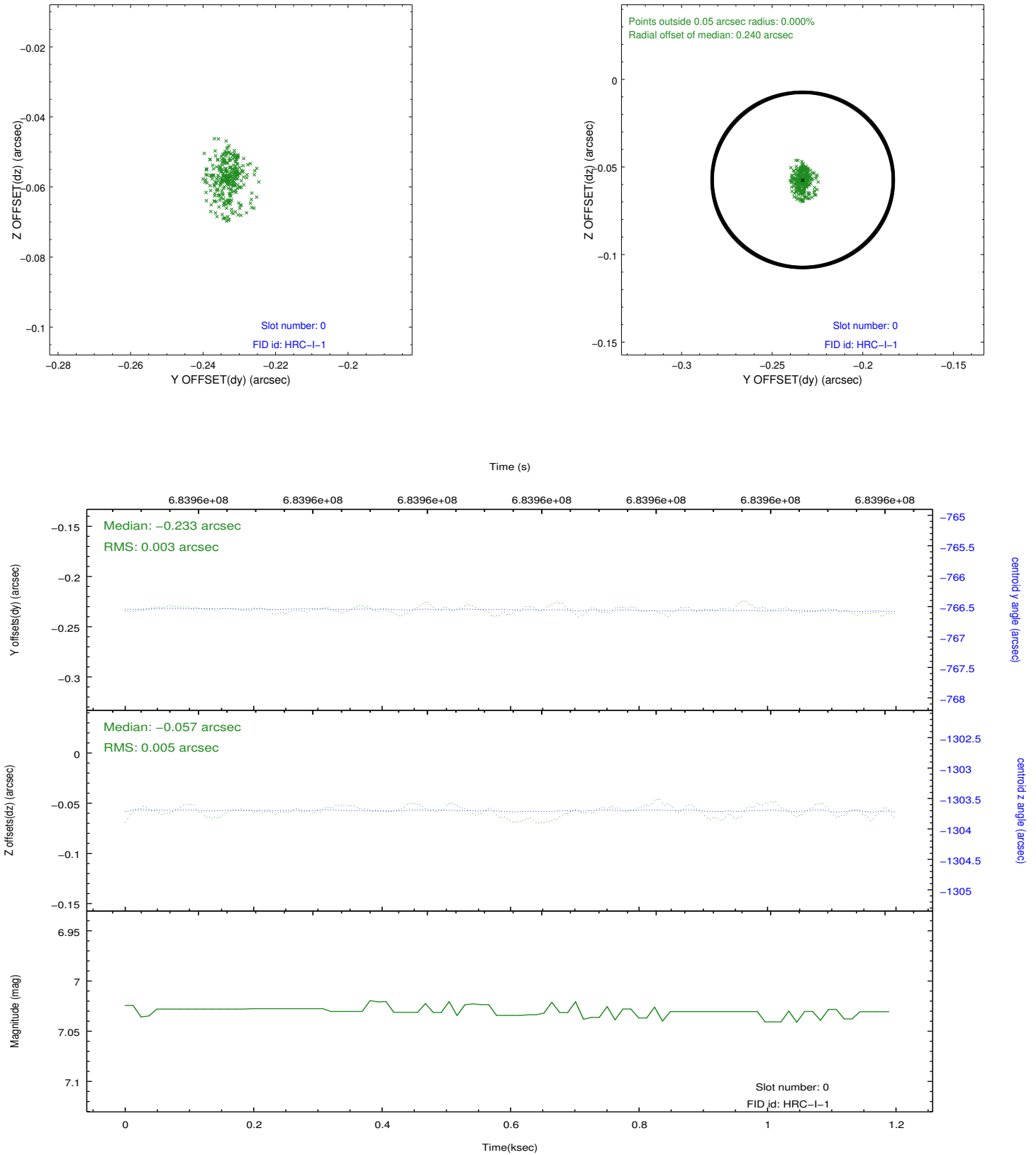


2.4.5 Slot 7

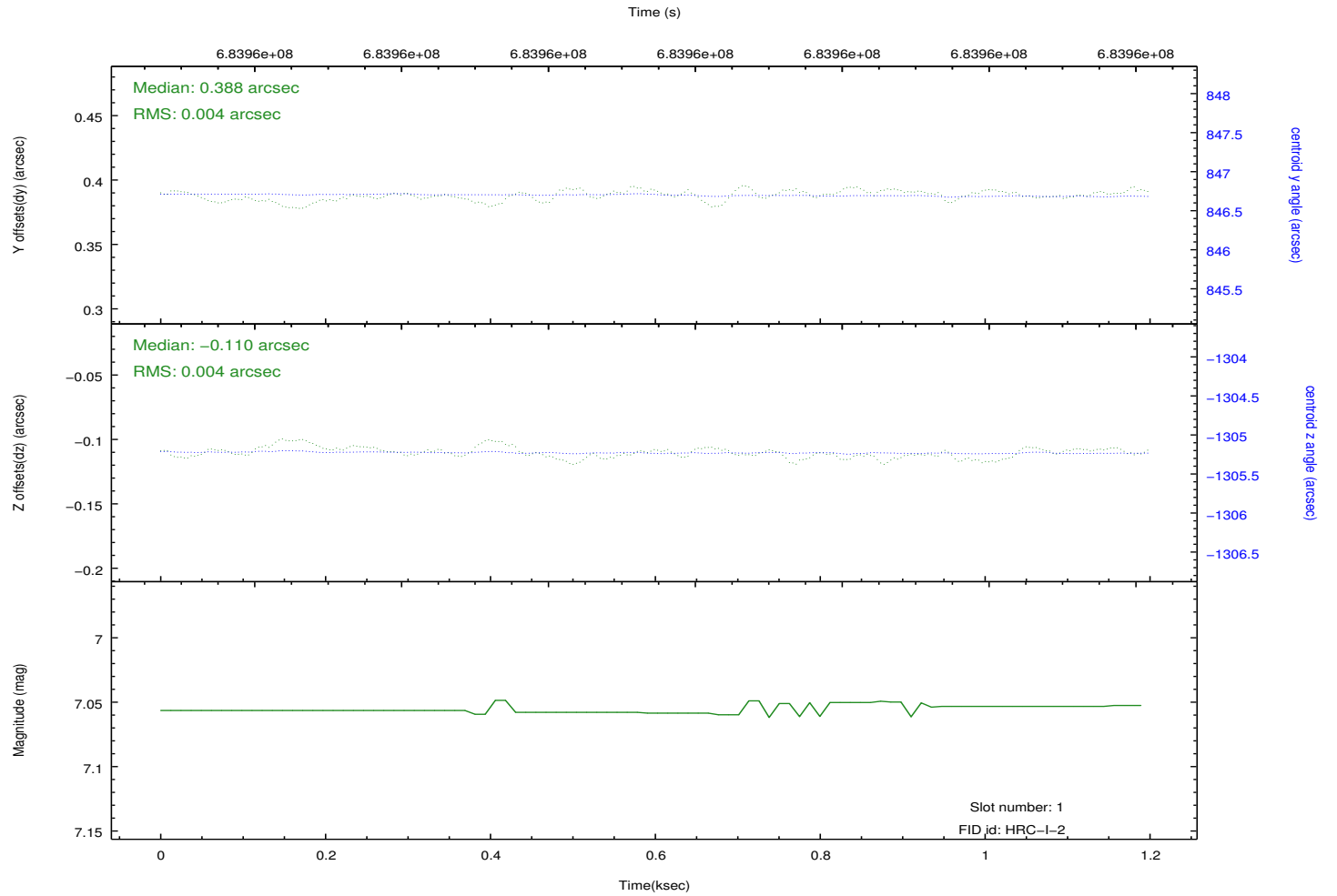
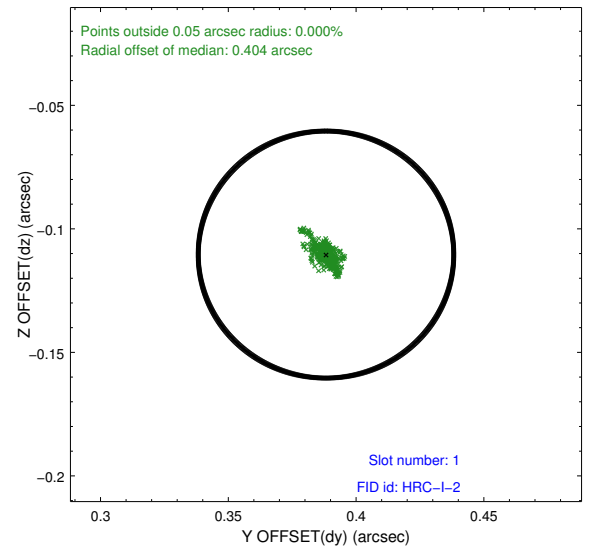
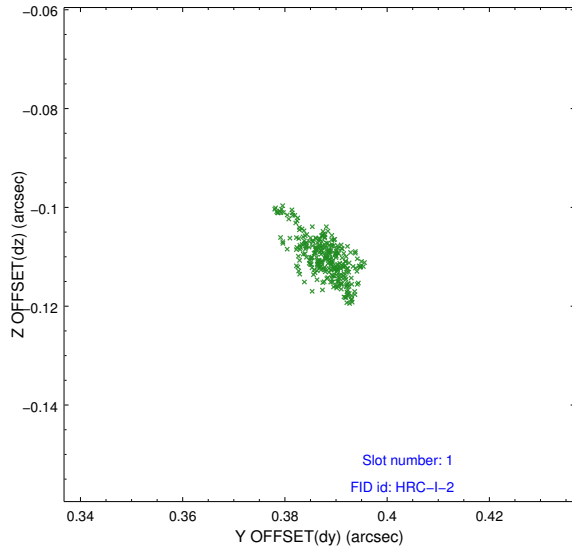


2.5 FID Slots

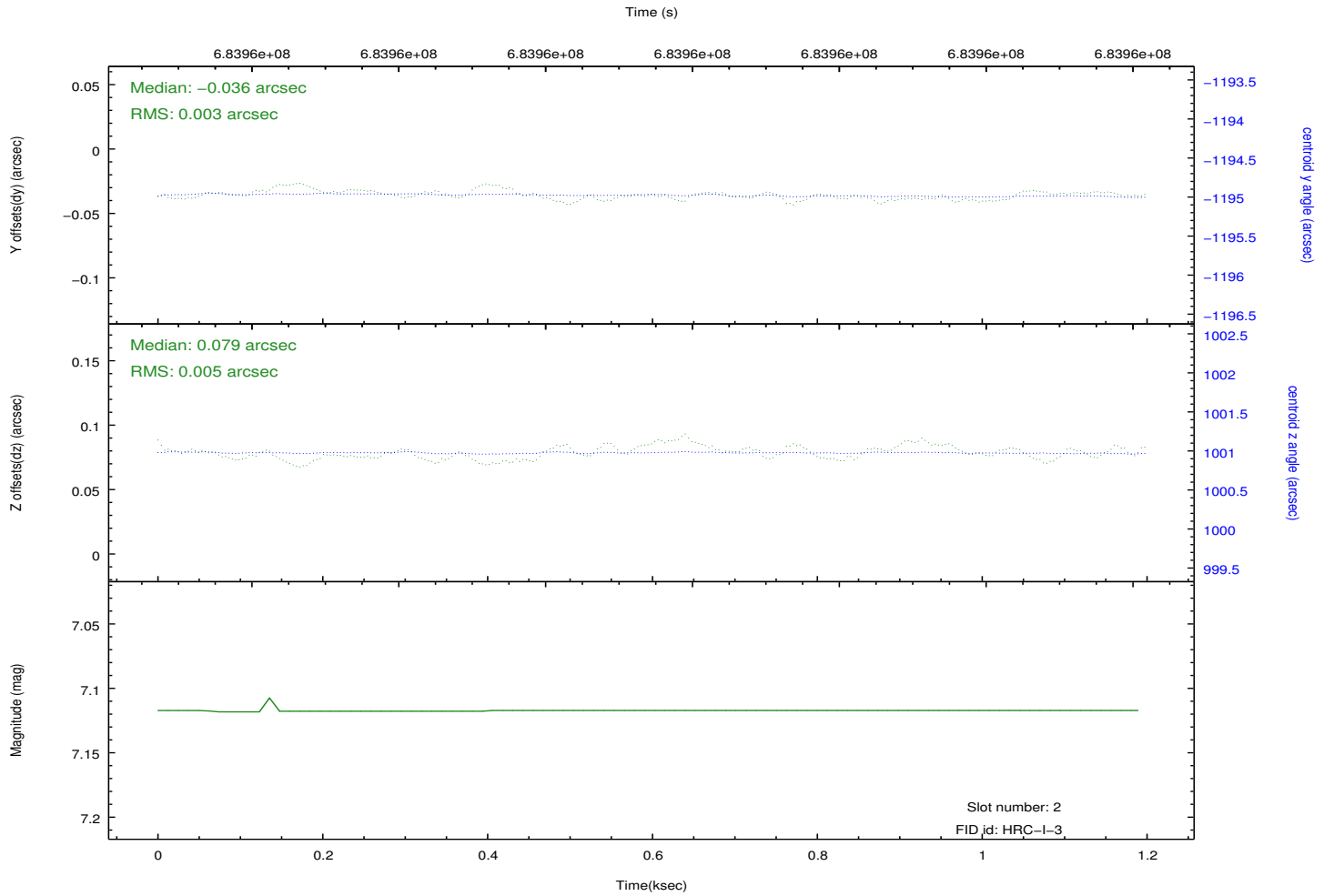
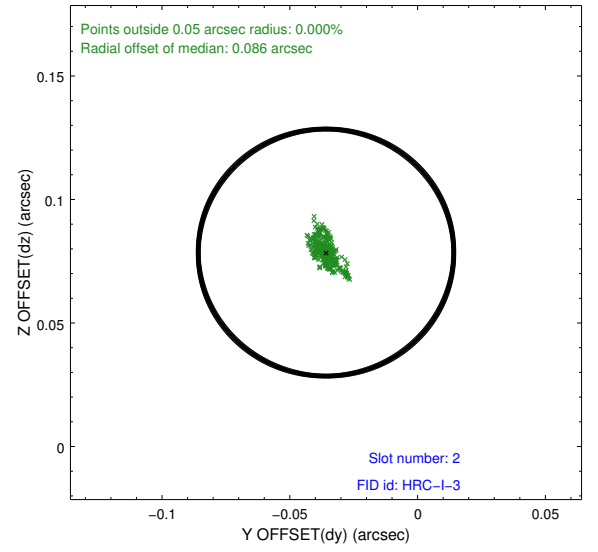
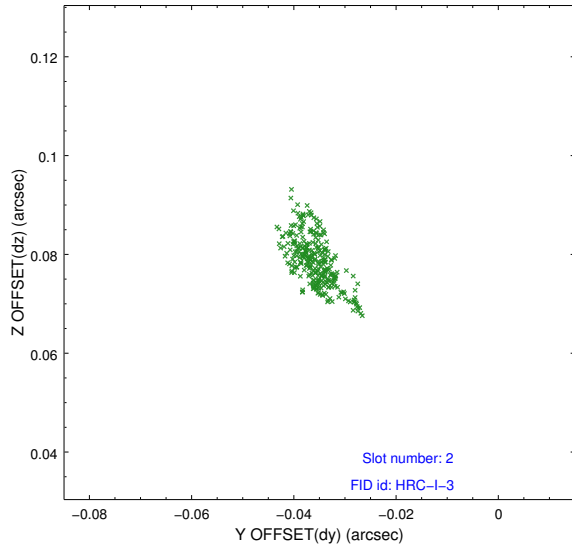
2.5.1 Slot 0



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	1.196431322217

A.2 Comments