

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21756 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 4 2019

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1 Front

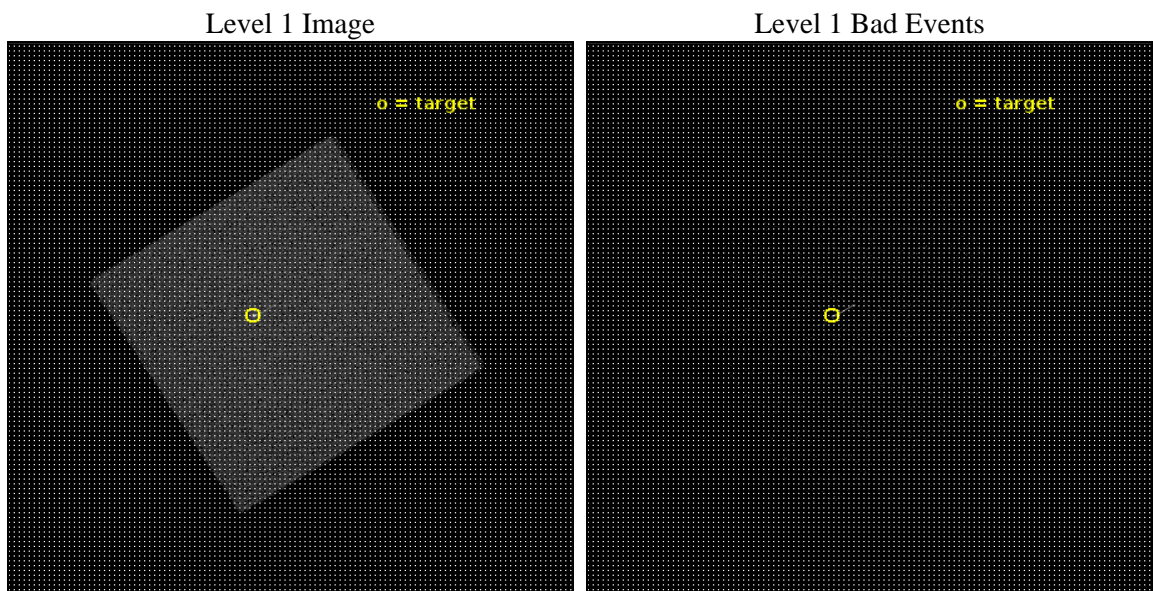
seq_num	291442	Sequence number
obs_id	21756	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.07178513989	Nominal RA [deg]
dec_nom	45.721891651838	Nominal Dec [deg]
roll_nom	192.93823030475	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1190.281321764	[s]
livetime	1173.3596596565	Ontime multiplied by DTCOR
l2events	149393	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	1190.281321764	[s]
caldsver	4.8.4	 	l1events	246637	Number of level 1 events
date	2019-09-04T15:07:14	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

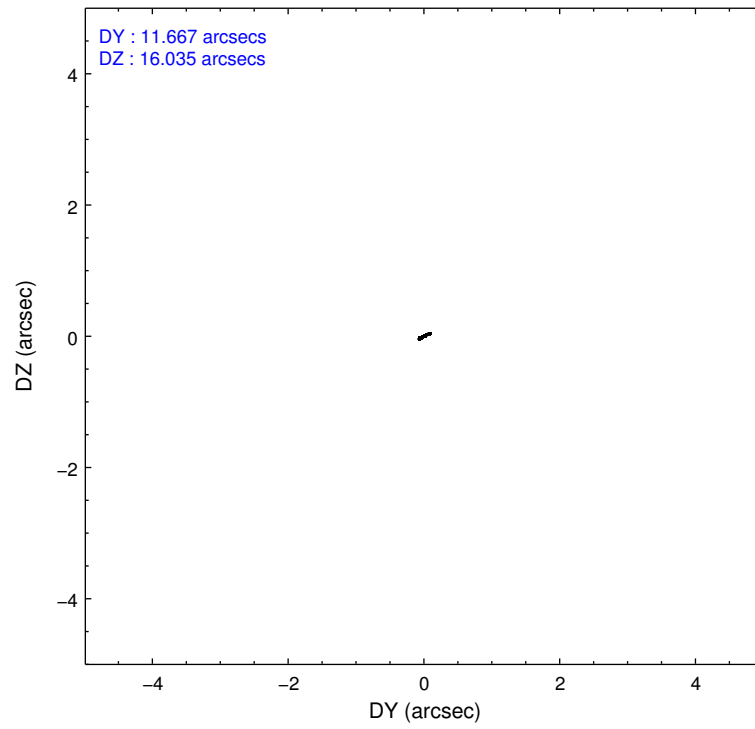
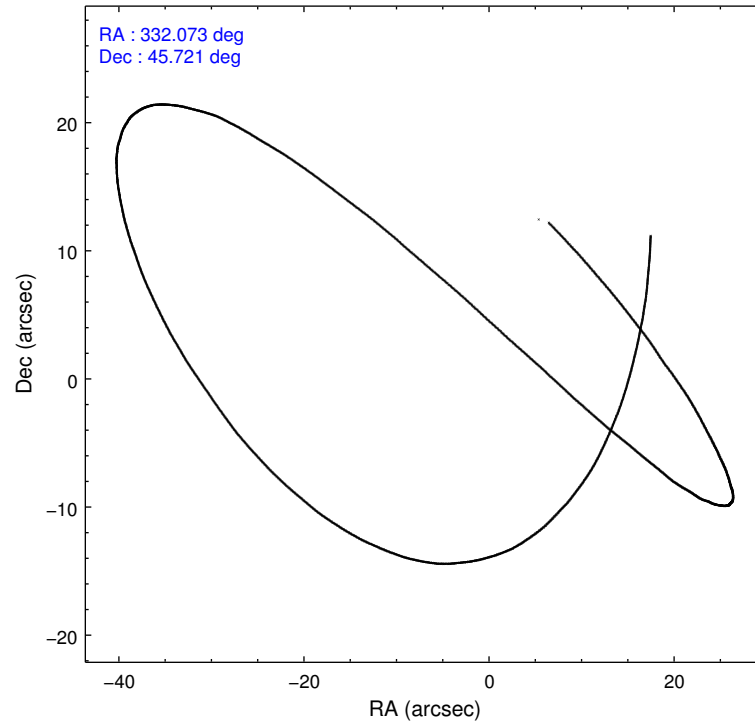
	segment 0
level 1 events	246637
rejected events	52314
rejected %	21%

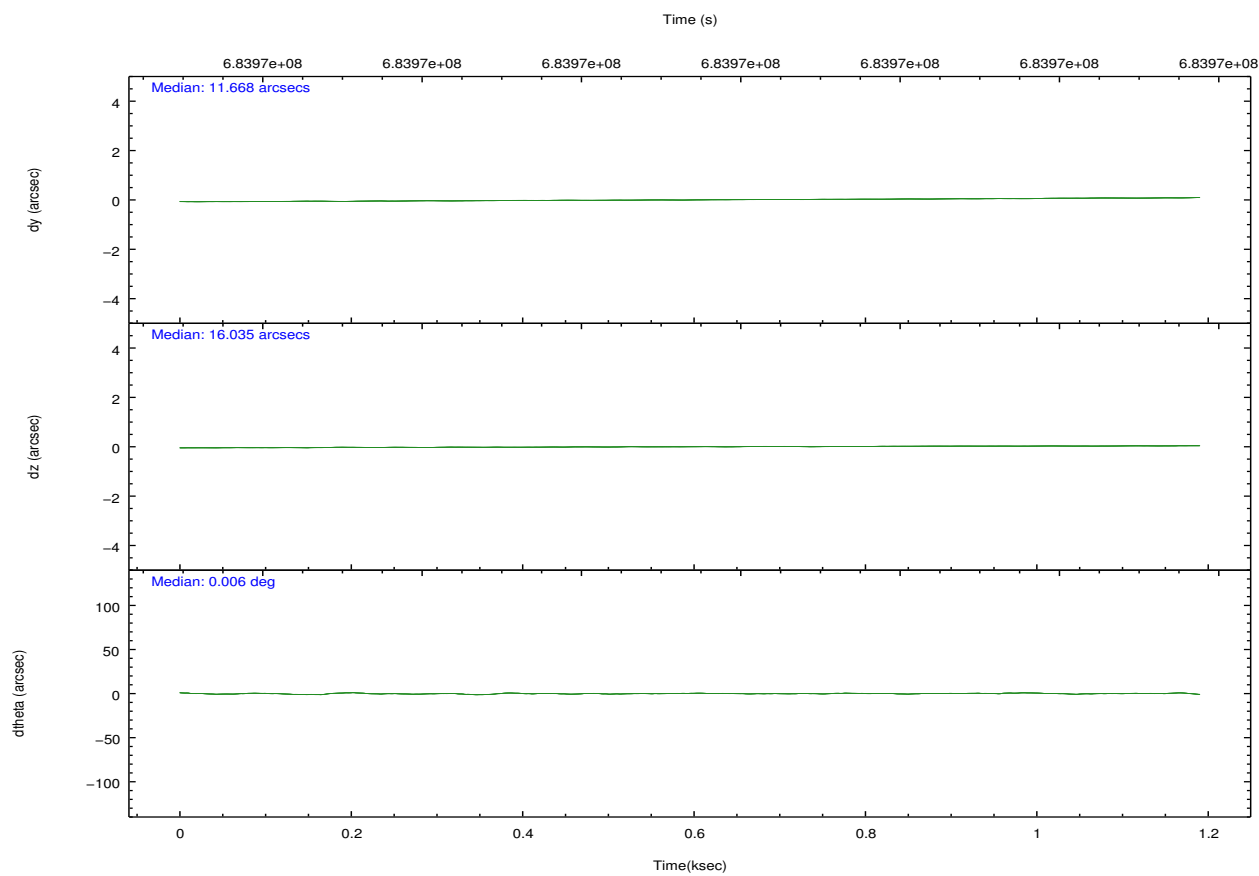
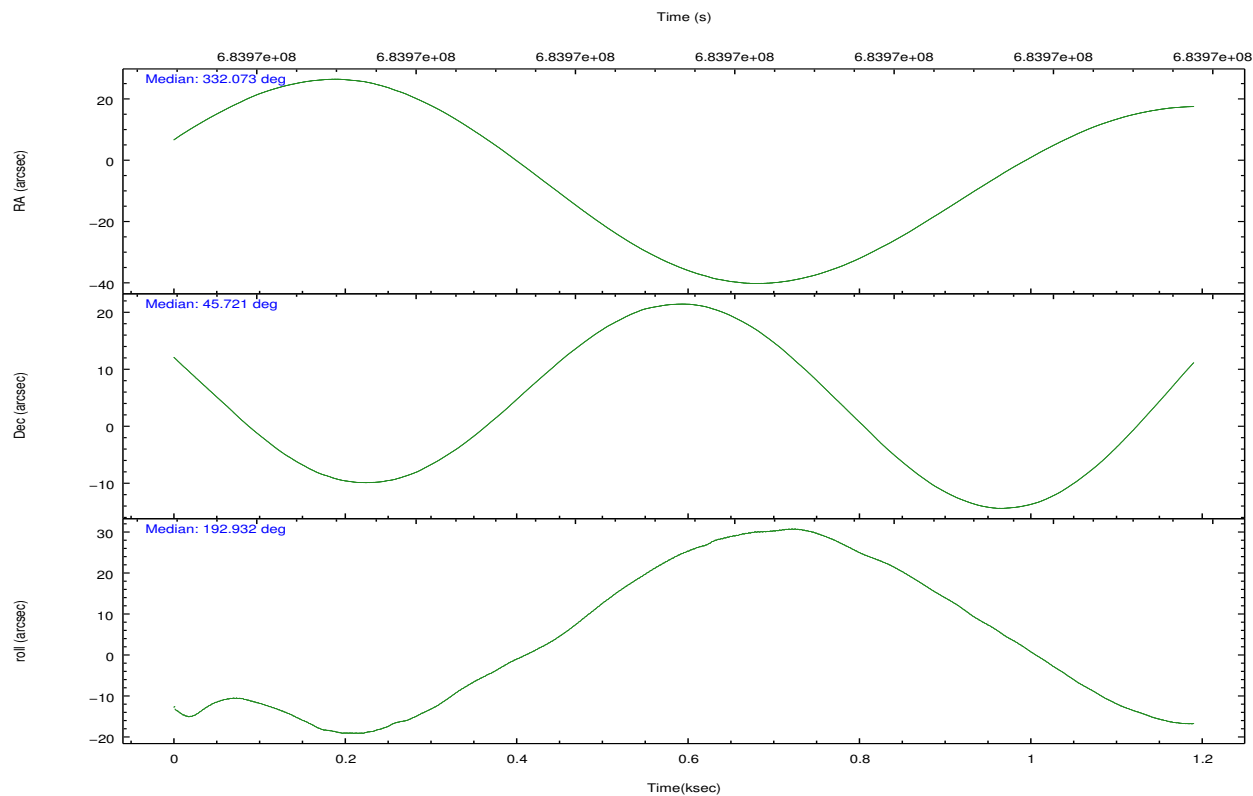
2.2 Compared Parameters

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	332.098921	332.0717851398917
[deg] Pointing Dec	45.741989	45.72189165183787
[deg] Pointing Roll	193.014258	192.9382303047535
[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)	683970723.184000	683970347.3497601
Observation start date	2019-09-04T07:50:54	2019-09-04T07:45:47
[s] Observation end time (MET)	683971723.184000	683971857.17485
Observation end date	2019-09-04T08:07:34	2019-09-04T08:10:57

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

2.3 Aspect



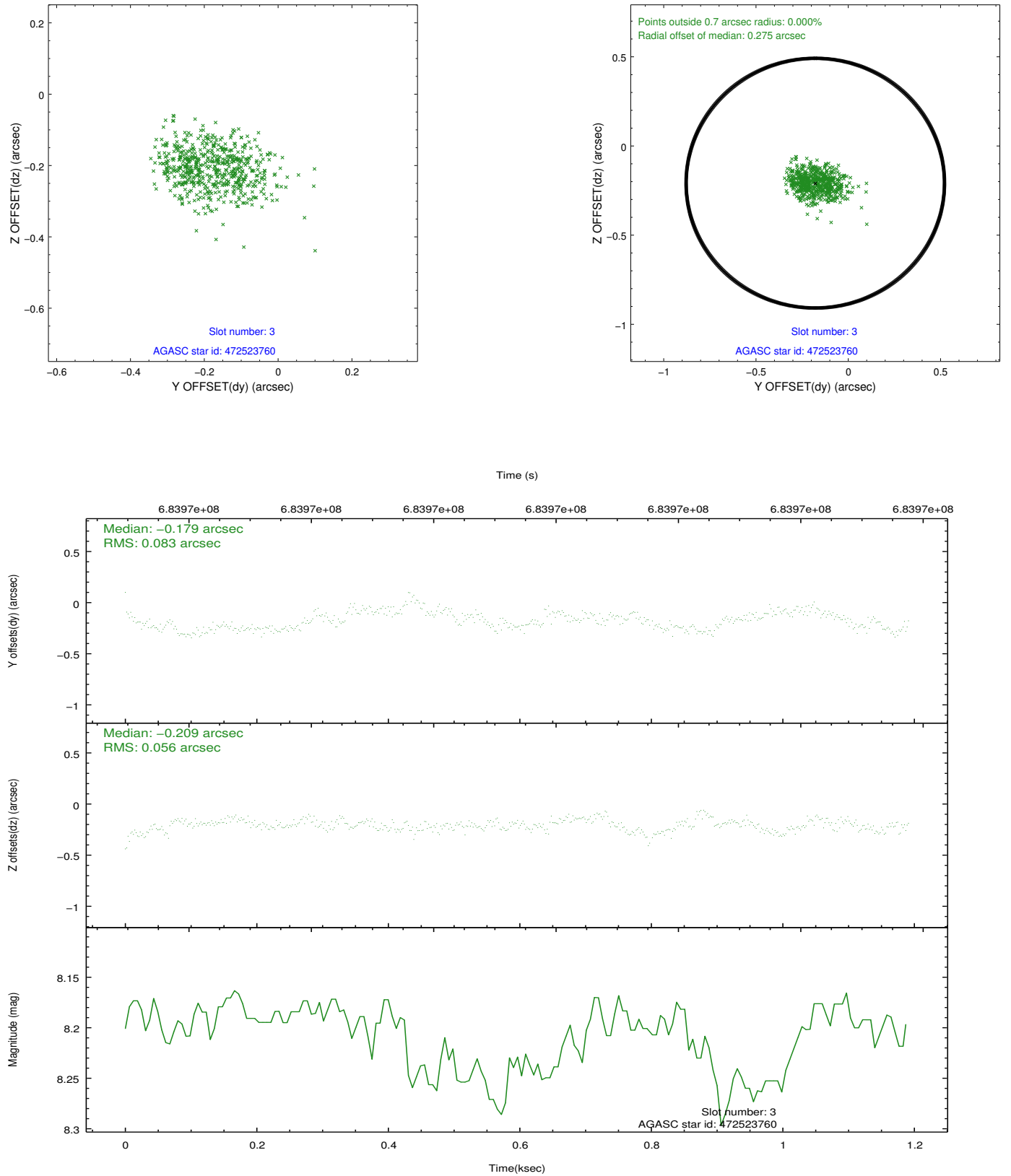


Slot Statistics

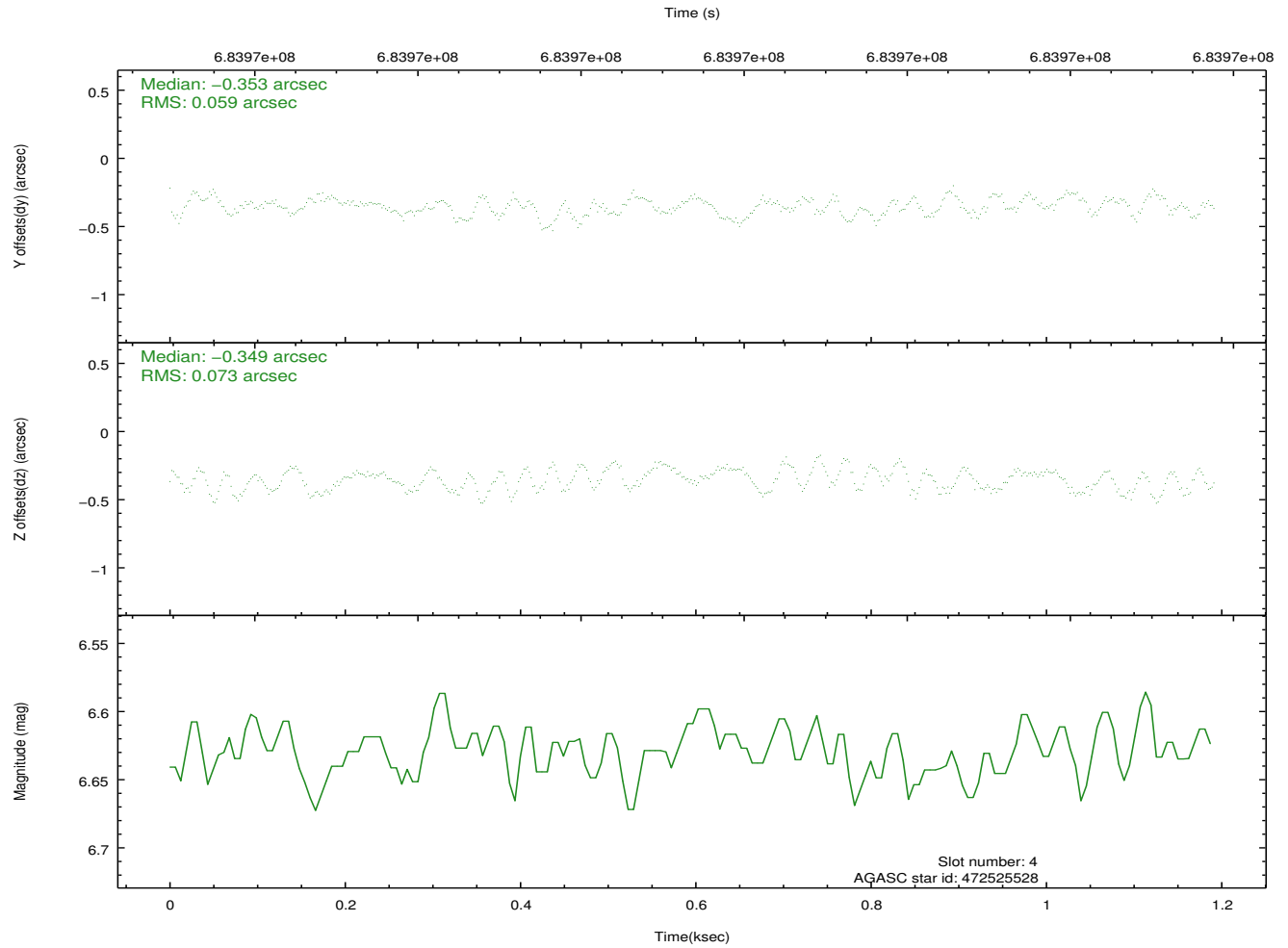
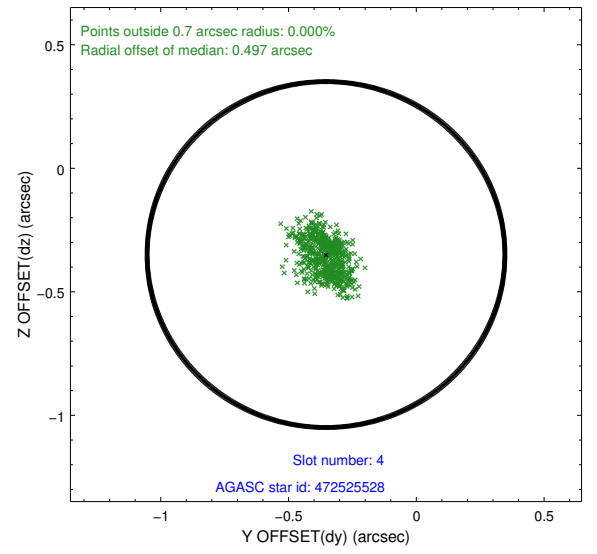
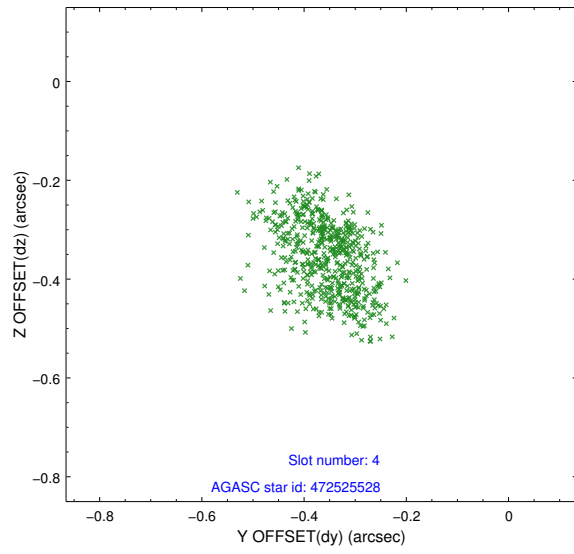
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.07	291	1.000	-0.256	-0.036	0.007	0.013	0.000000	0.000000	-767.57	-1304
1	FID		HRC-I-2	7.07	291	1.000	0.423	-0.130	0.007	0.011	0.000000	0.000000	843.10	-1310
2	FID		HRC-I-3	7.13	291	1.000	-0.049	0.076	0.006	0.011	0.000000	0.000000	-1193.06	995
3	GUIDE	used	472523760	8.20	581	1.000	-0.179	-0.209	0.107	0.169	331.645363	45.403260	1392.47	922
4	GUIDE	used	472525528	6.63	582	1.000	-0.353	-0.349	0.103	0.162	331.551102	45.248694	1754.76	1410
5	GUIDE	used	472527720	6.99	582	1.000	-0.366	-0.439	0.106	0.165	331.460205	45.112509	2093.80	1834
6	GUIDE	used	472535576	7.83	581	1.000	0.220	0.383	0.105	0.190	331.438373	46.291802	1159.31	-2305
7	GUIDE	used	472665256	8.94	581	1.000	0.684	0.617	0.121	0.196	332.808125	46.195041	-2086.60	-1206

2.4 Star Slots

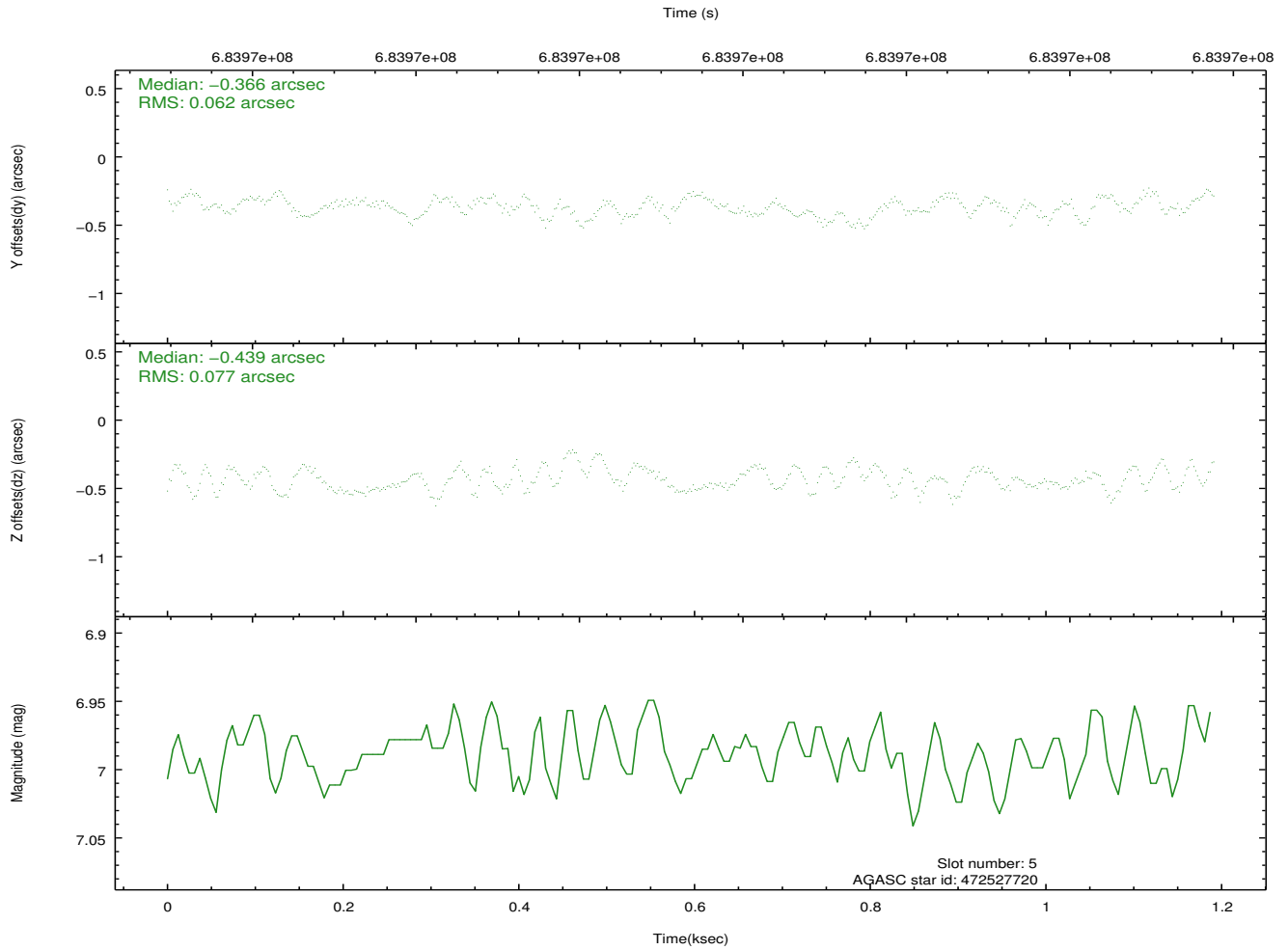
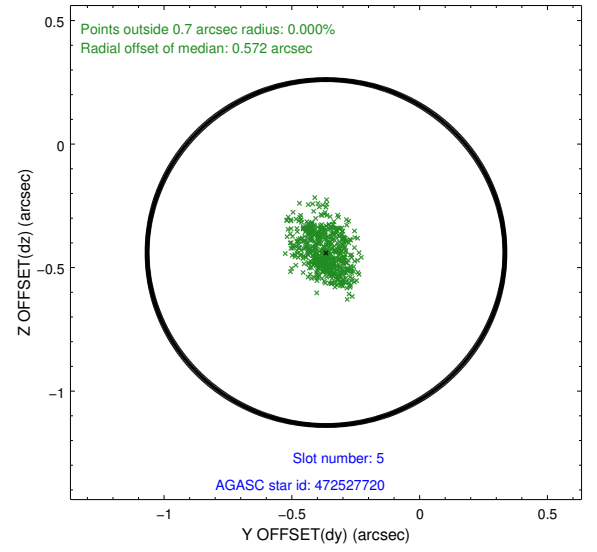
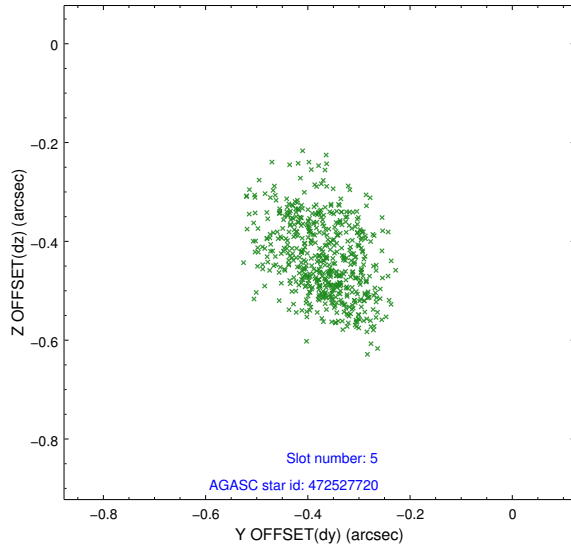
2.4.1 Slot 3



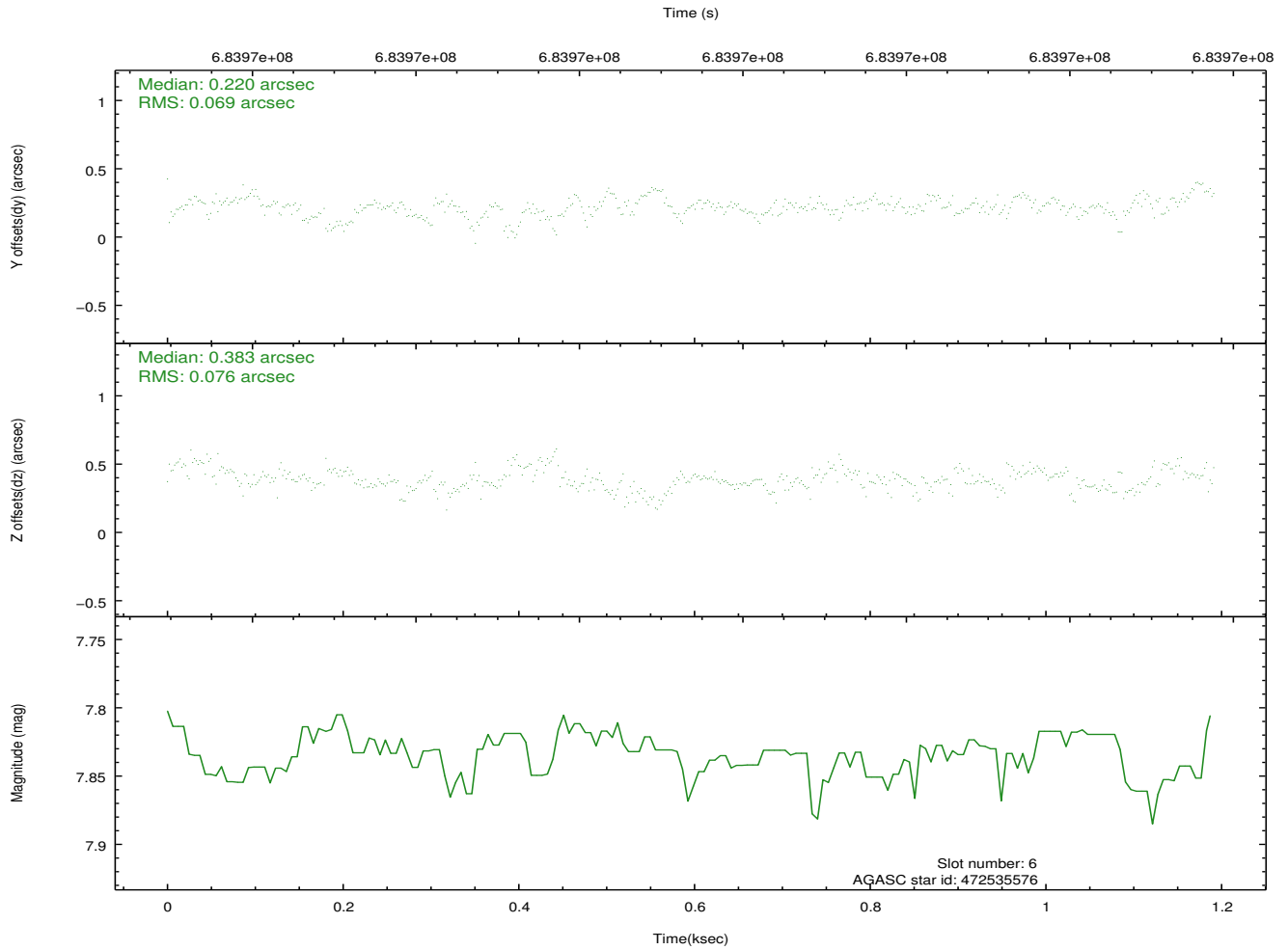
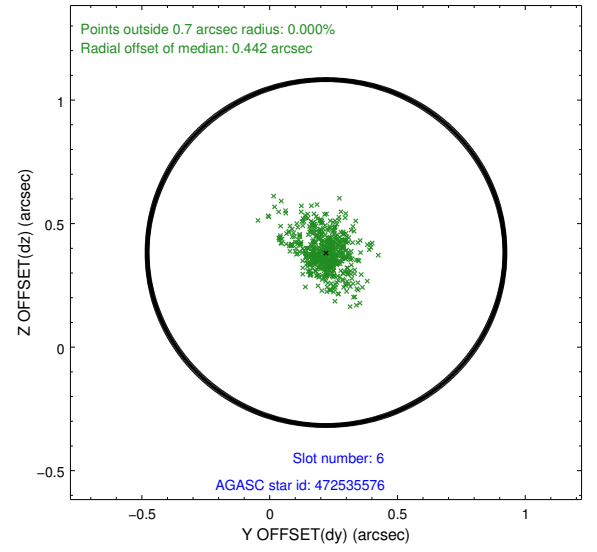
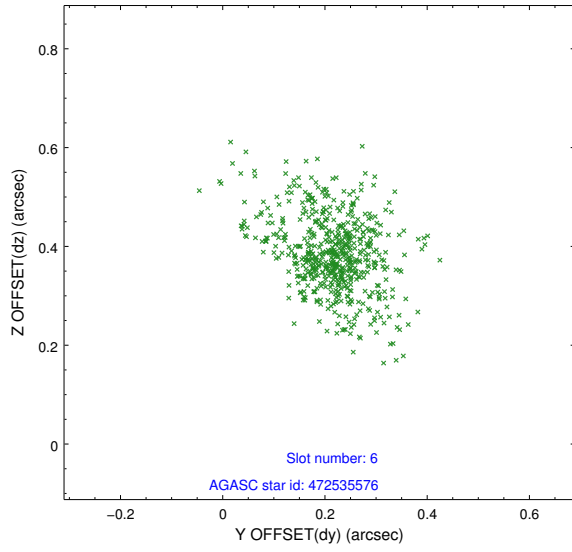
2.4.2 Slot 4



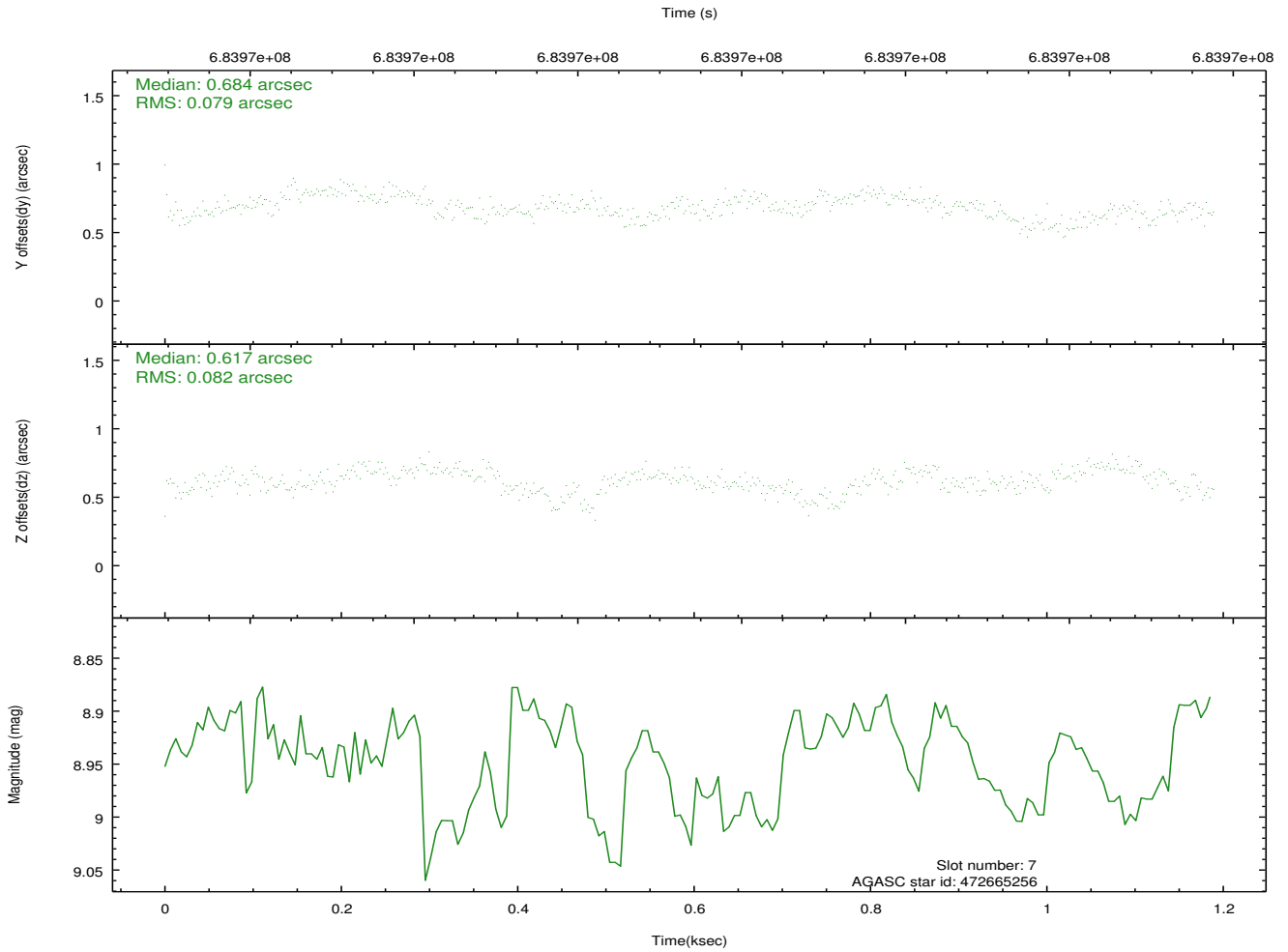
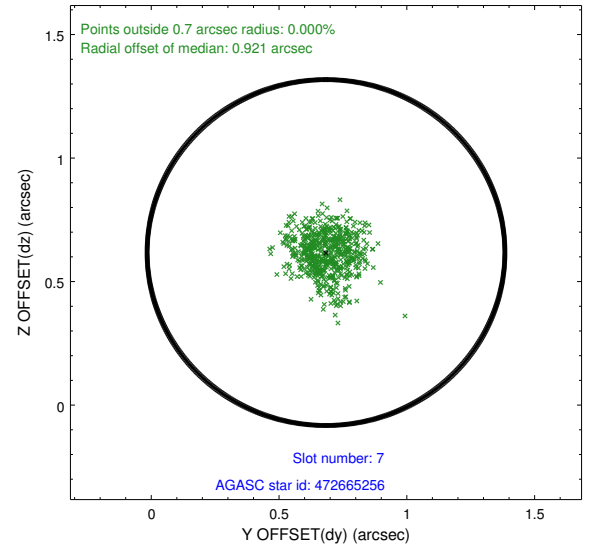
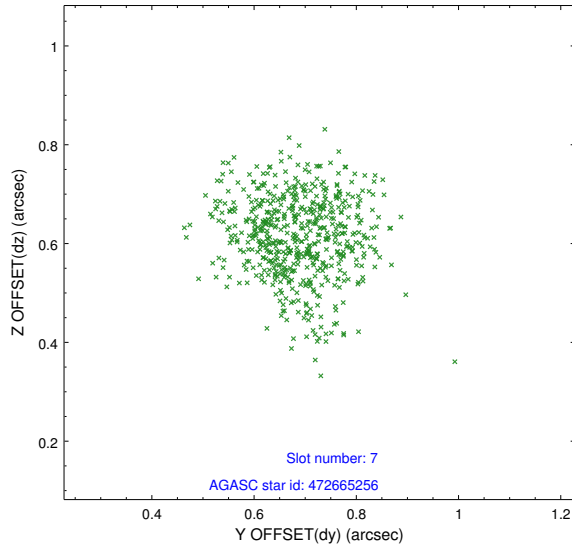
2.4.3 Slot 5



2.4.4 Slot 6

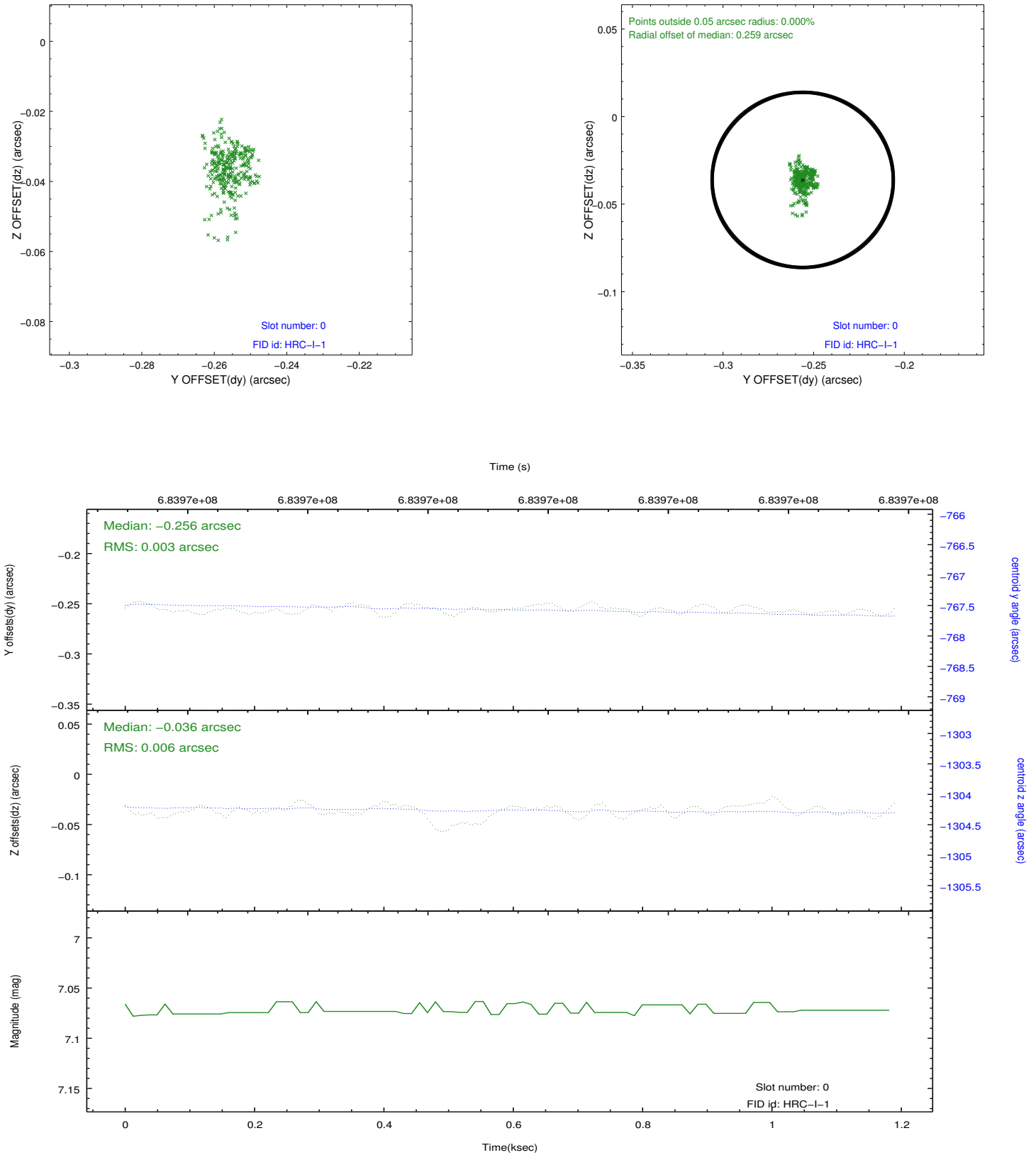


2.4.5 Slot 7

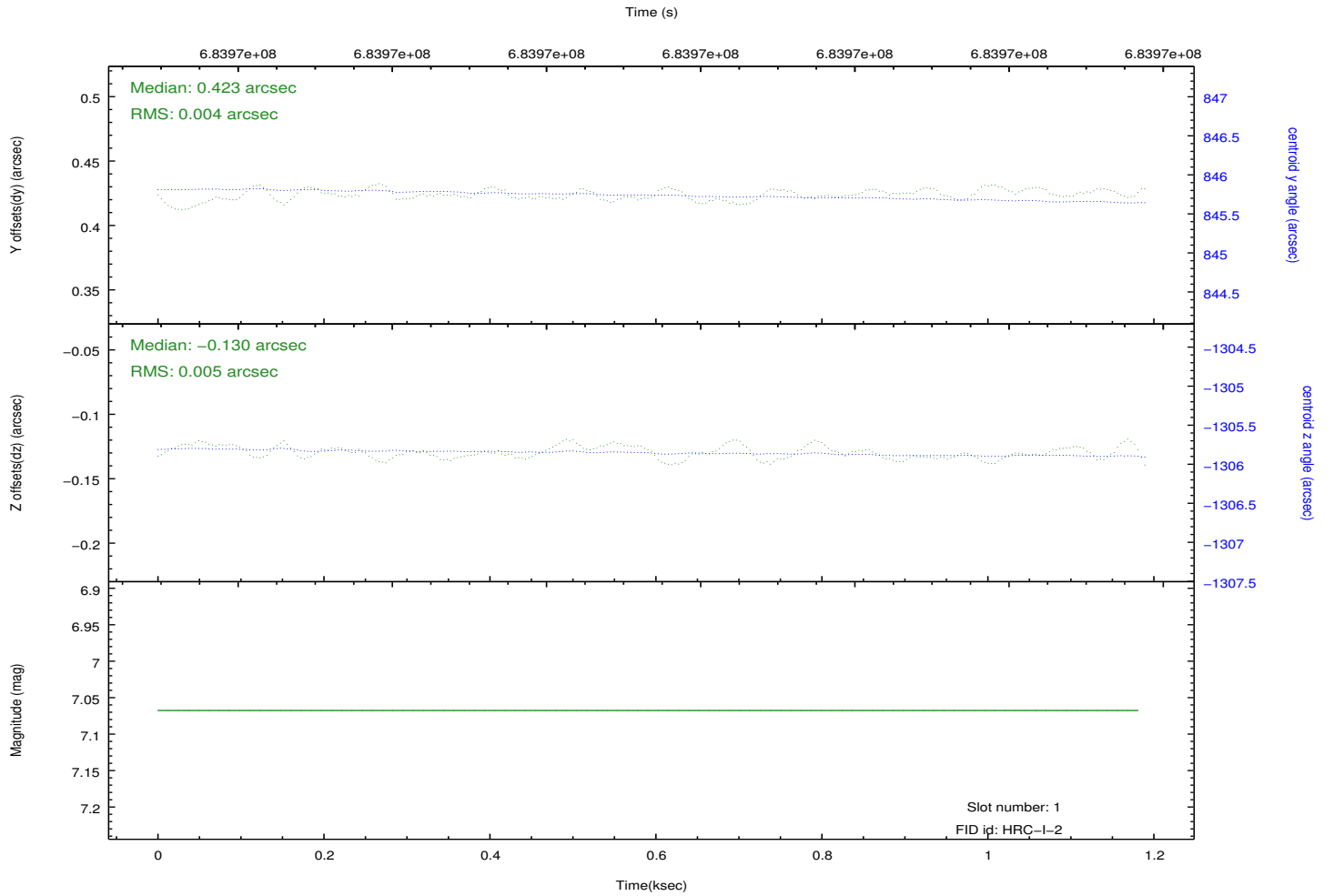
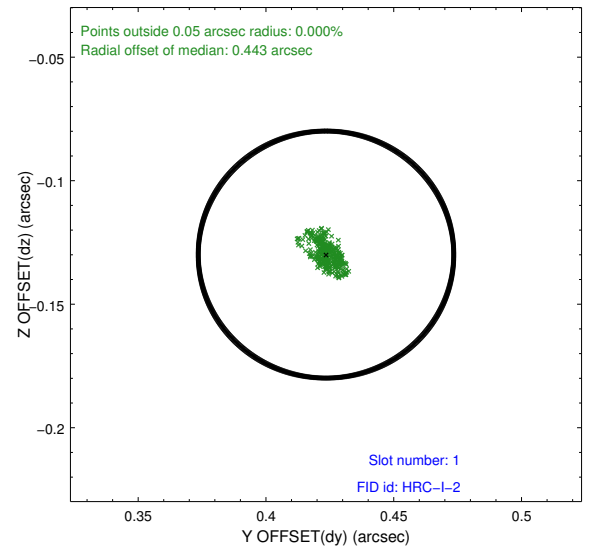
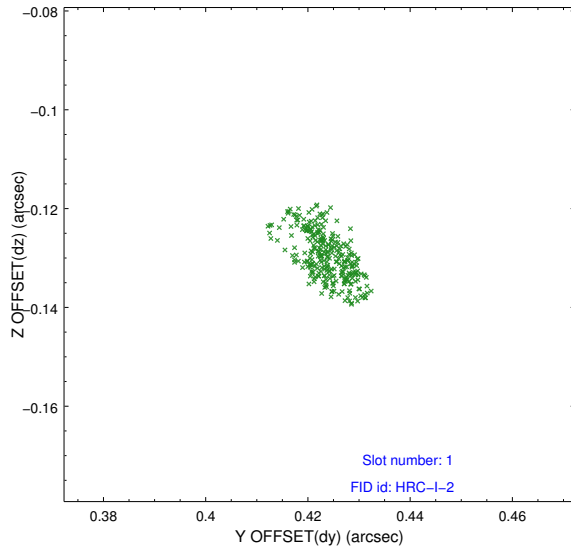


2.5 FID Slots

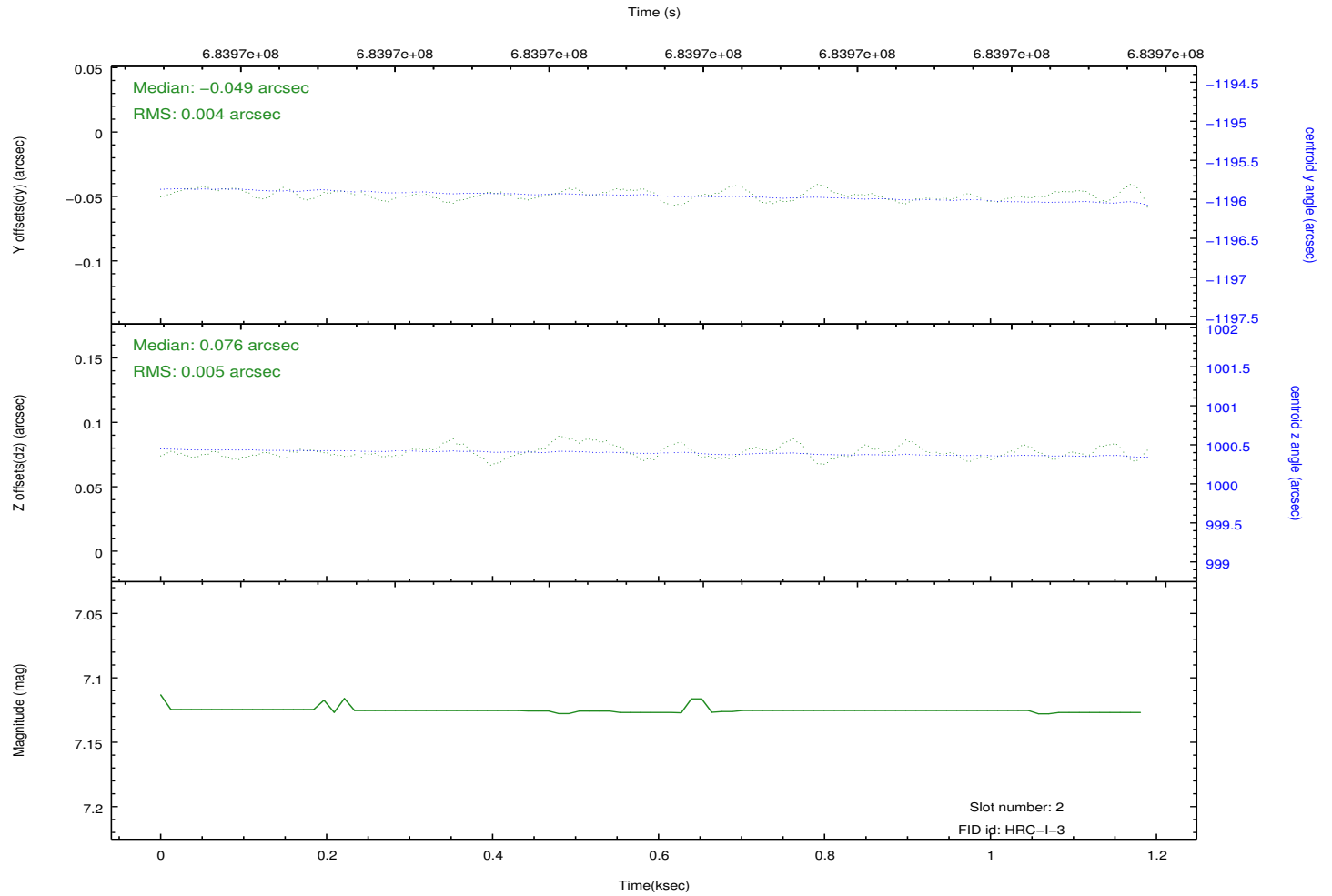
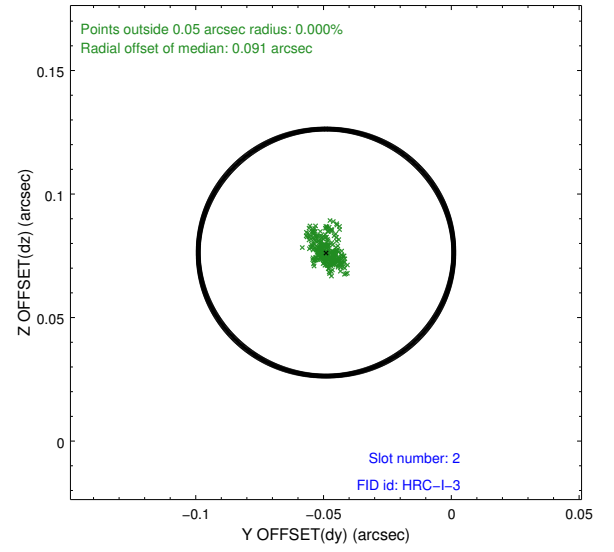
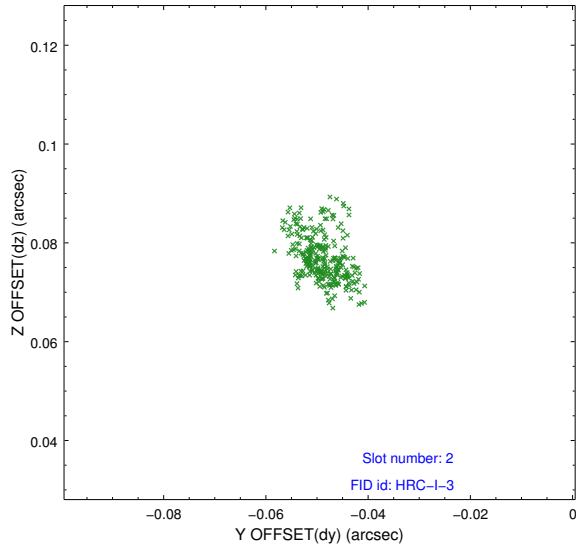
2.5.1 Slot 0



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	1.190281321764

A.2 Comments