

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21764 - L2 Version 1
Chandra X-Ray Center

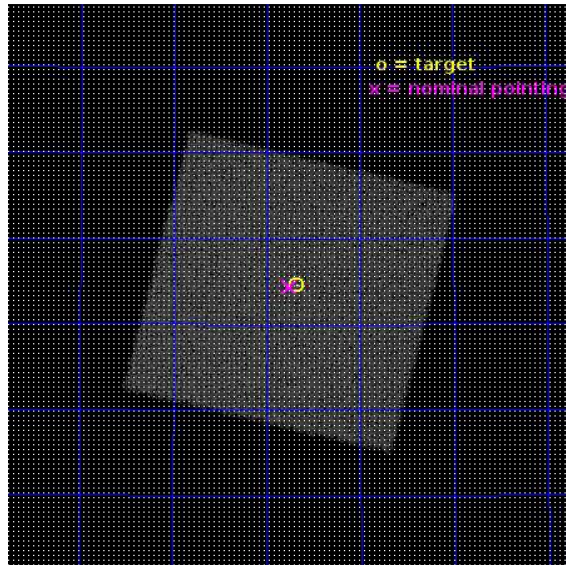
L2 Processing Date : Apr 8 2019

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1 Front

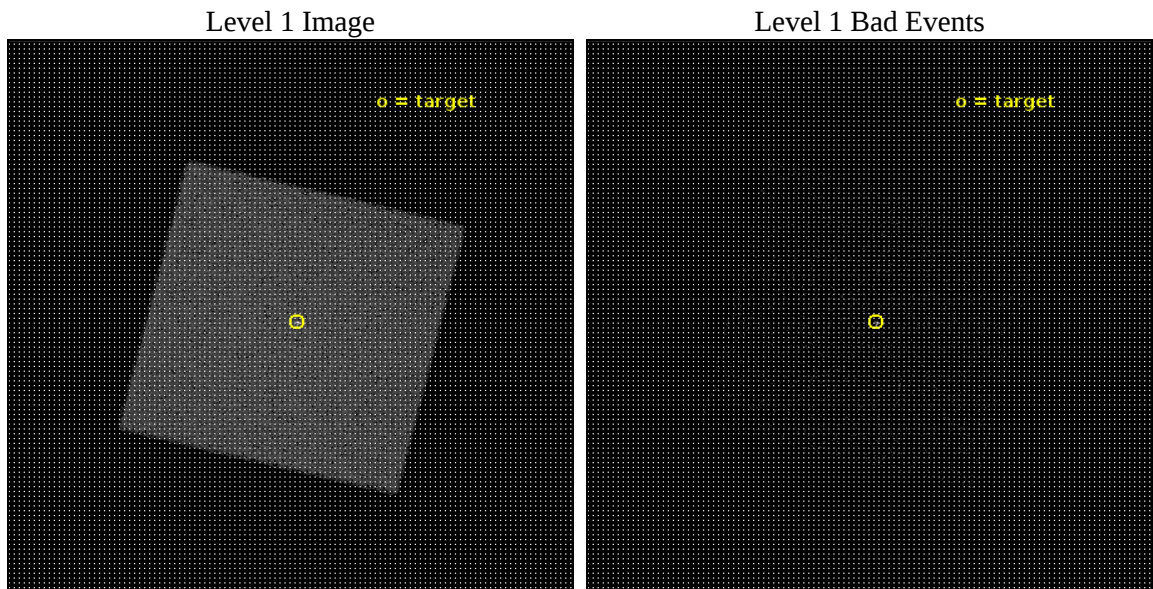
seq_num	291450	Sequence number
obs_id	21764	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.18967508501	Nominal RA [deg]
dec_nom	45.739679763488	Nominal Dec [deg]
roll_nom	58.864748608166	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1192.3313214779	[s]
livetime	1174.6933070365	Ontime multiplied by DTCOR
l2events	152657	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	1192.3313214779	[s]
caldbver	4.8.2	 	l1events	251958	Number of level 1 events
date	2019-04-08T22:58:10	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

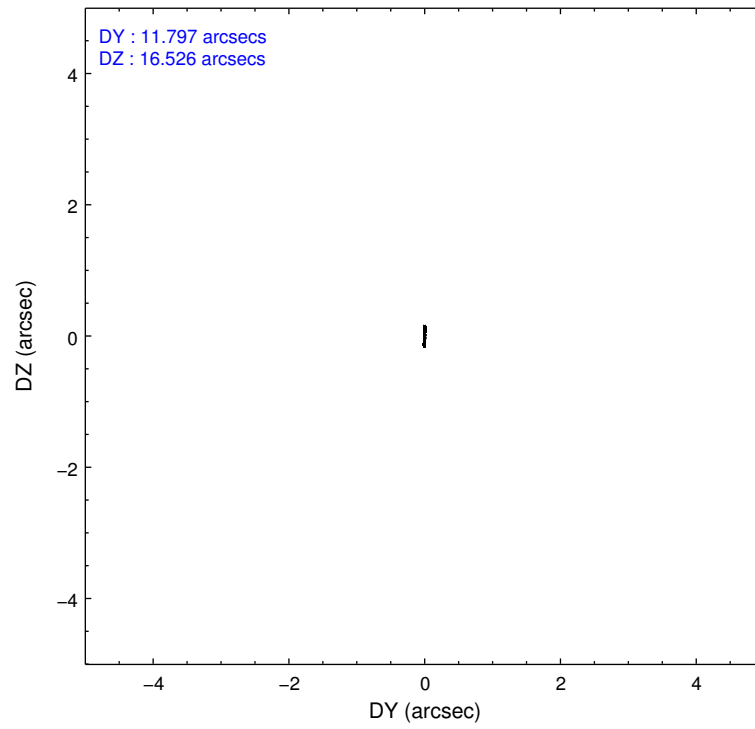
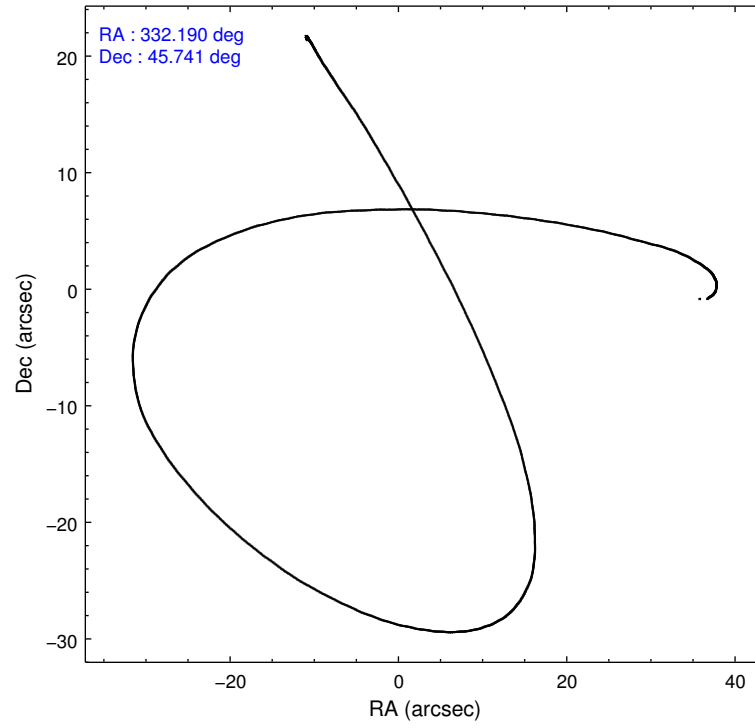
	segment 0
level 1 events	251958
rejected events	52781
rejected %	20%

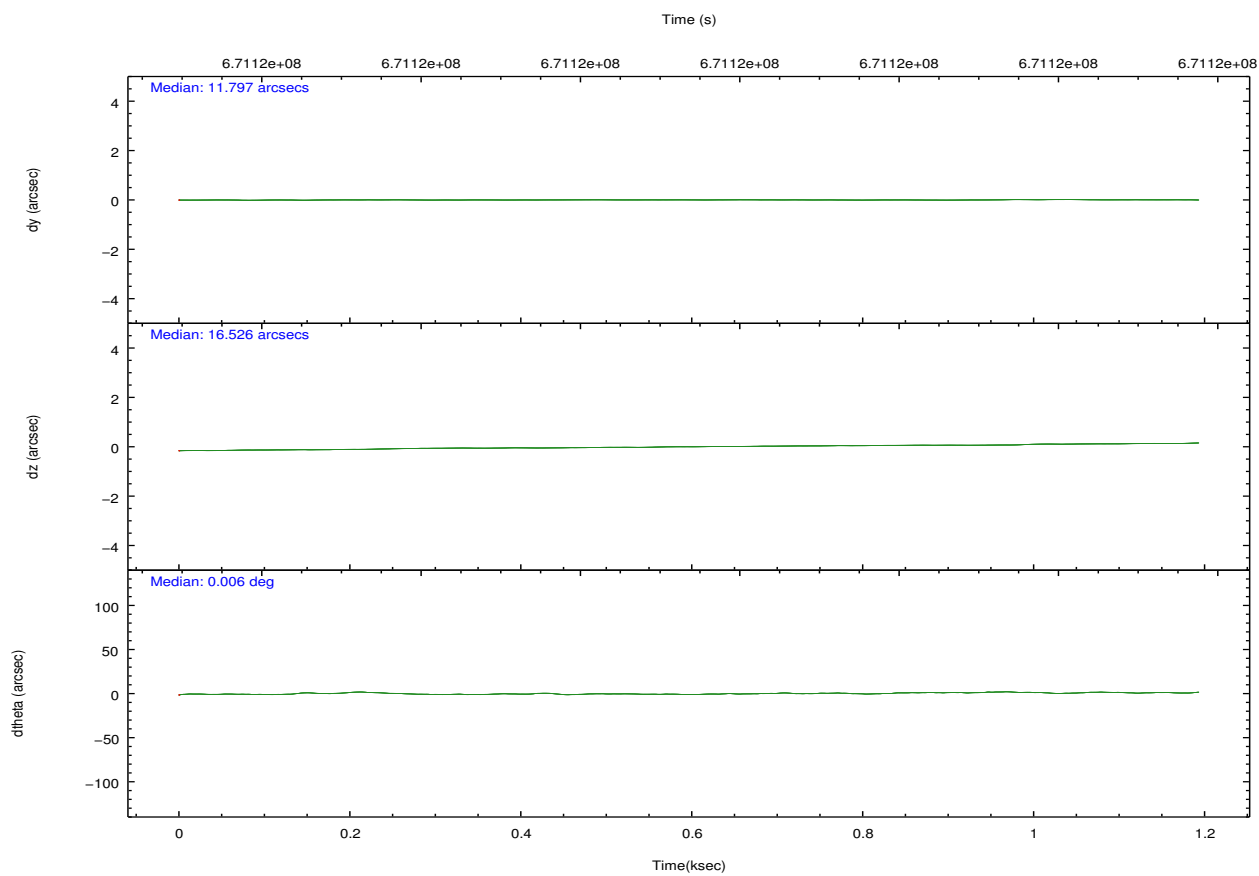
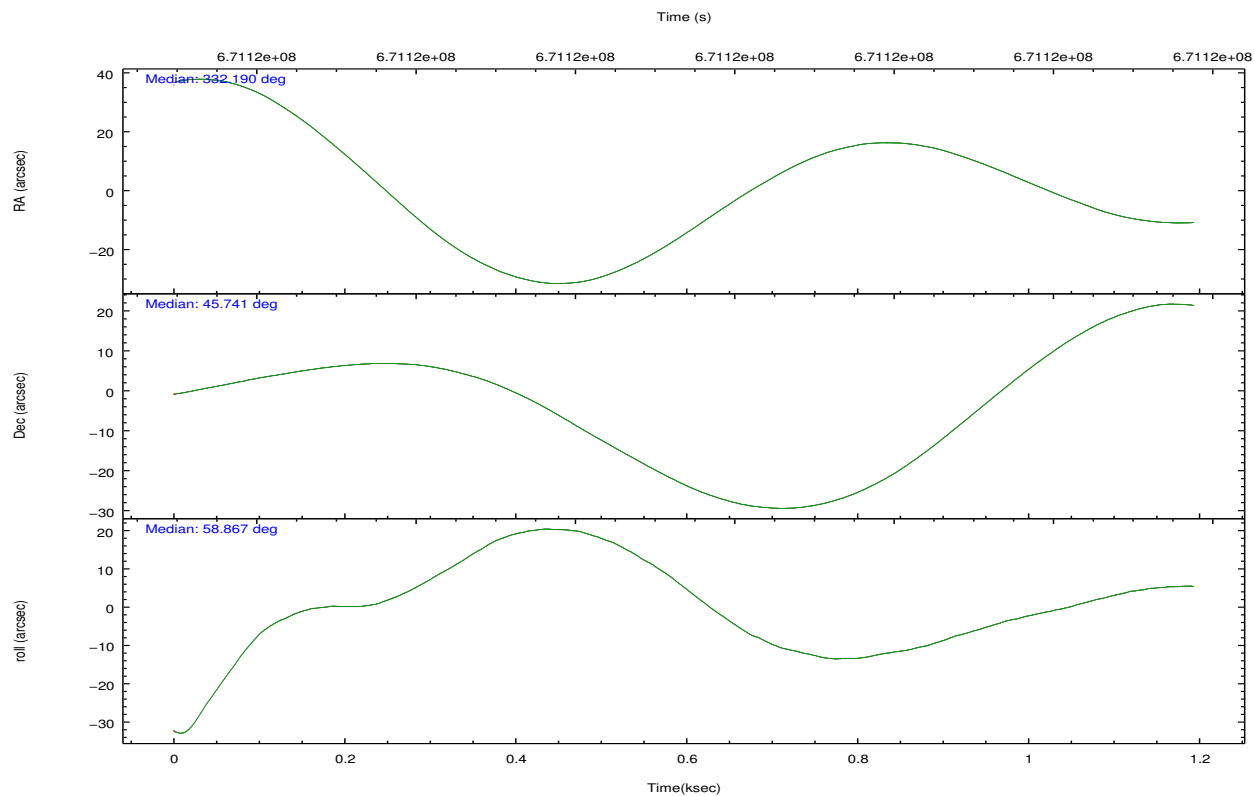
2.2 Compared Parameters

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	332.189449	332.1896750850131
[deg] Pointing Dec	45.711934	45.73967976348799
[deg] Pointing Roll	58.960626	58.86474860816559
[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)	671117924.184000	671117547.6784101
Observation start date	2019-04-08T13:37:35	2019-04-08T13:32:27
[s] Observation end time (MET)	671118924.184000	671119057.5035
Observation end date	2019-04-08T13:54:15	2019-04-08T13:57:37

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

2.3 Aspect



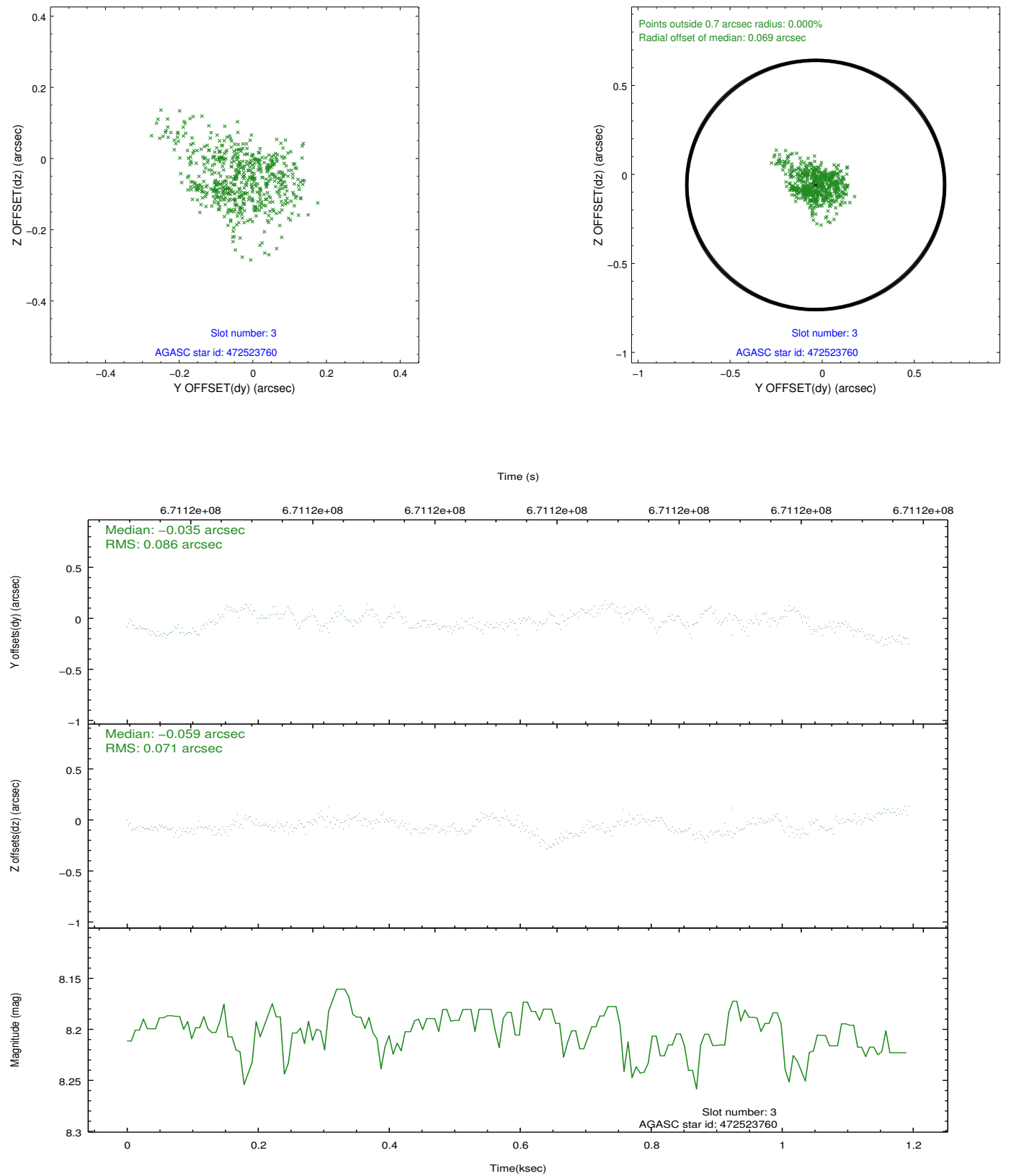


Slot Statistics

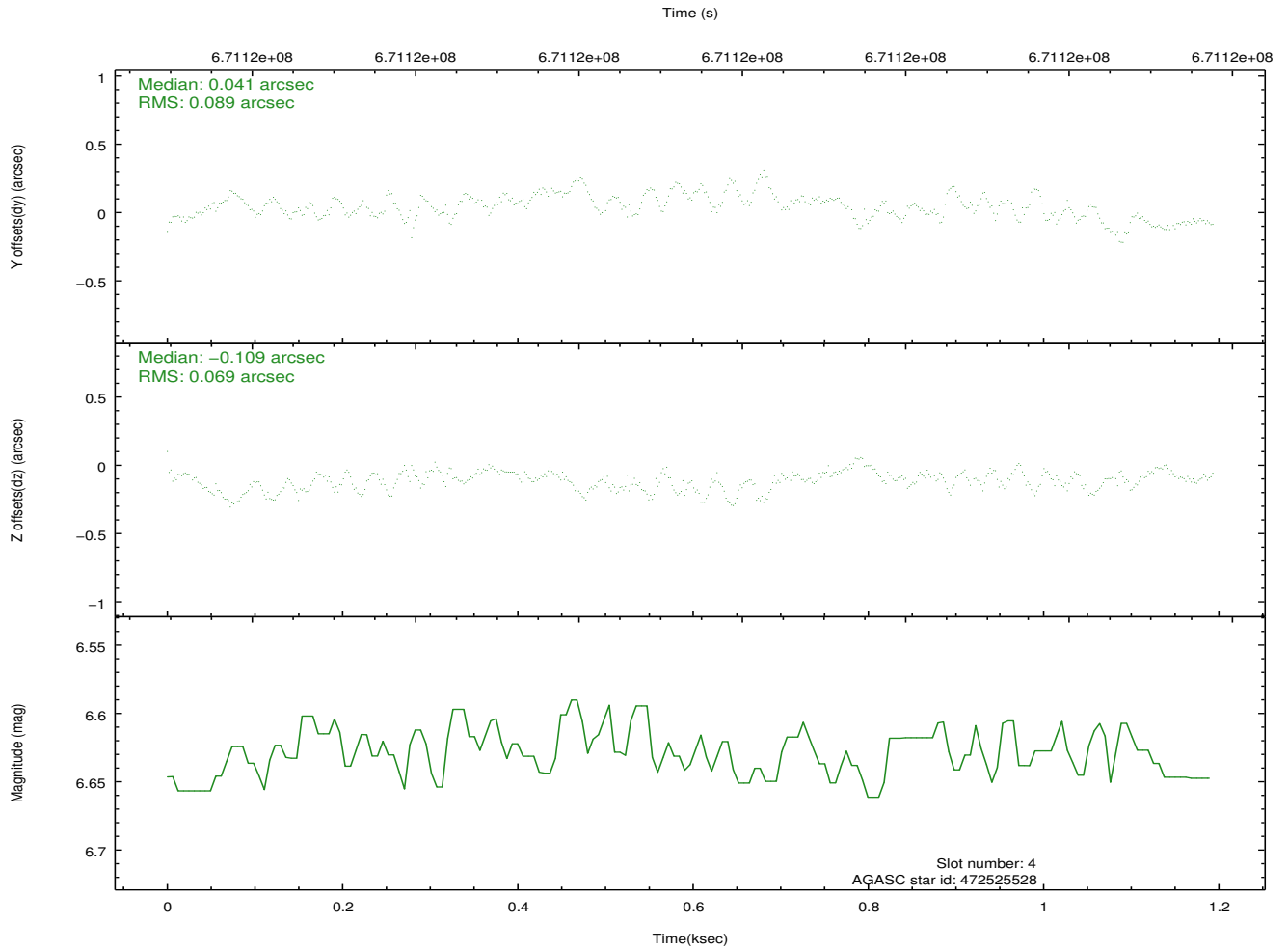
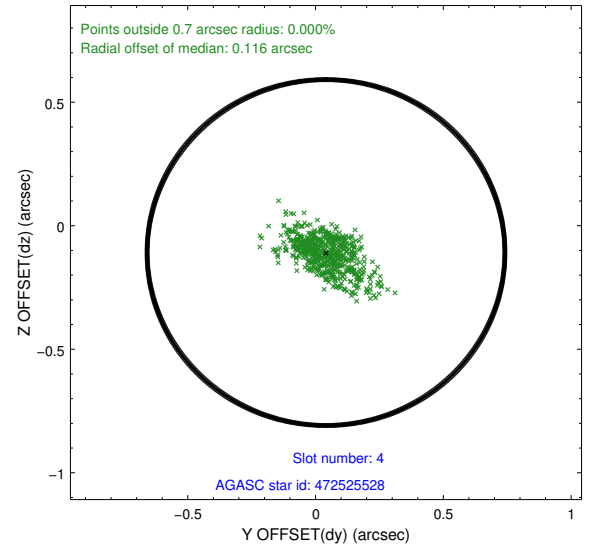
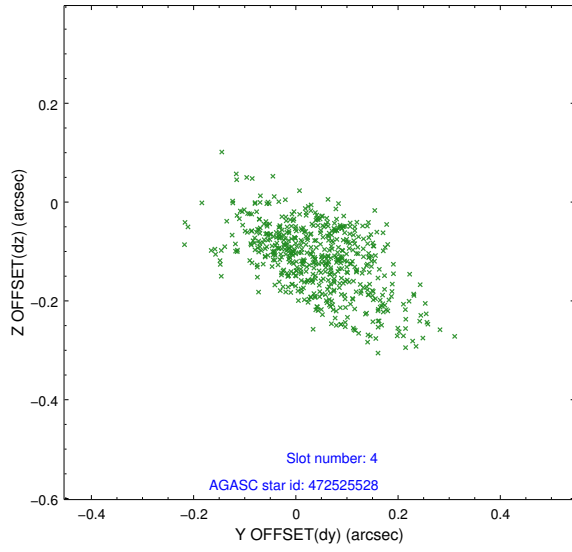
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	292	1.000	-0.257	-0.017	0.014	0.031	0.000000	0.000000	-767.71	-1304
1	FID		HRC-I-2	7.03	292	1.000	0.412	-0.118	0.011	0.020	0.000000	0.000000	842.96	-1310
2	FID		HRC-I-3	7.09	292	1.000	-0.035	0.046	0.010	0.020	0.000000	0.000000	-1193.18	995
3	GUIDE	used	472523760	8.20	582	1.000	-0.035	-0.059	0.115	0.206	331.645363	45.403260	-1659.10	608
4	GUIDE	used	472525528	6.63	583	1.000	0.041	-0.109	0.112	0.207	331.551102	45.248694	-2261.80	530
5	GUIDE	used	472533912	9.09	582	1.000	-0.261	-0.463	0.180	0.304	331.791136	46.368695	1512.01	2068
6	GUIDE	used	472665256	8.99	583	1.000	-0.175	0.160	0.131	0.232	332.808125	46.195041	2291.00	-417
7	GUIDE	used	472649352	9.70	582	1.000	0.424	0.477	0.196	0.316	332.034169	45.325407	-1391.84	-380

2.4 Star Slots

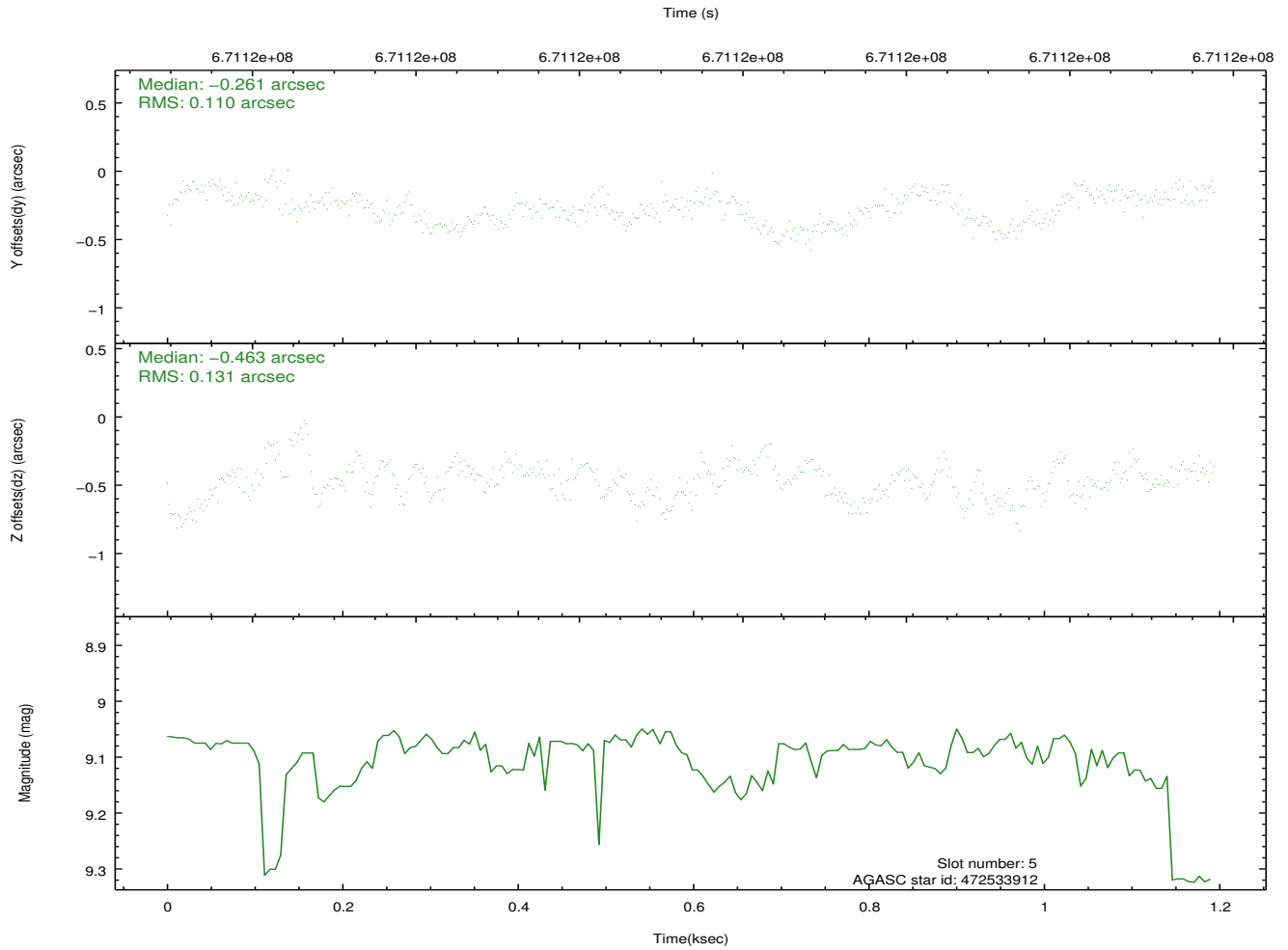
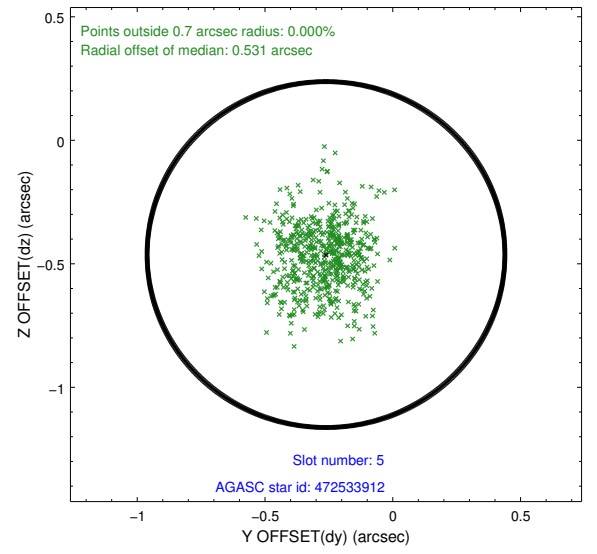
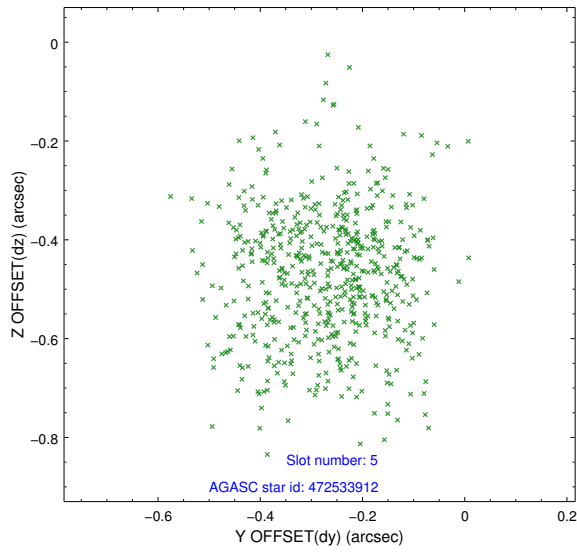
2.4.1 Slot 3



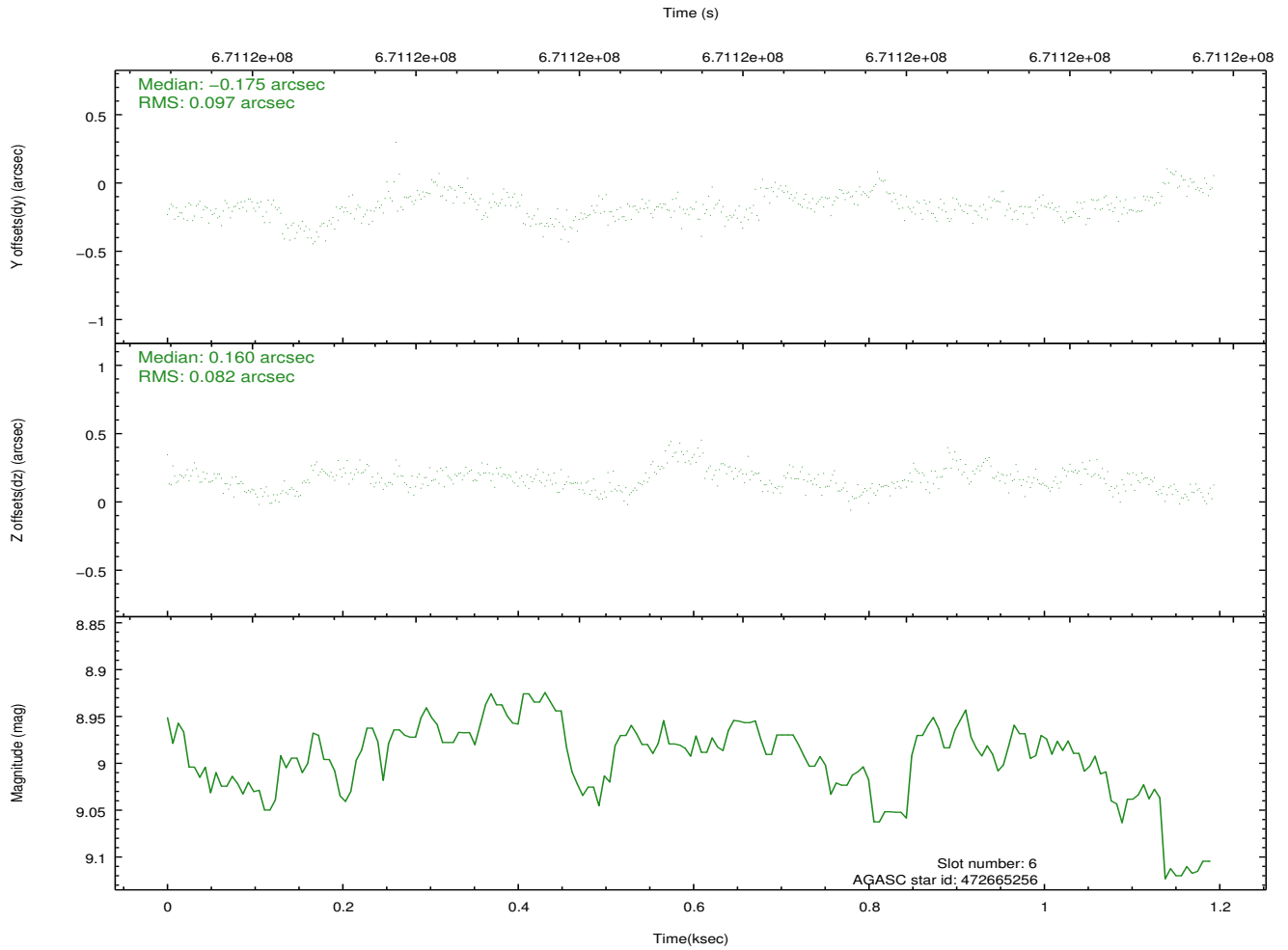
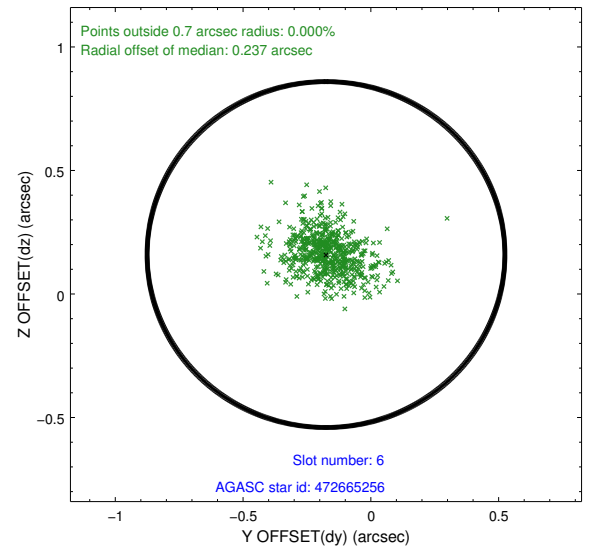
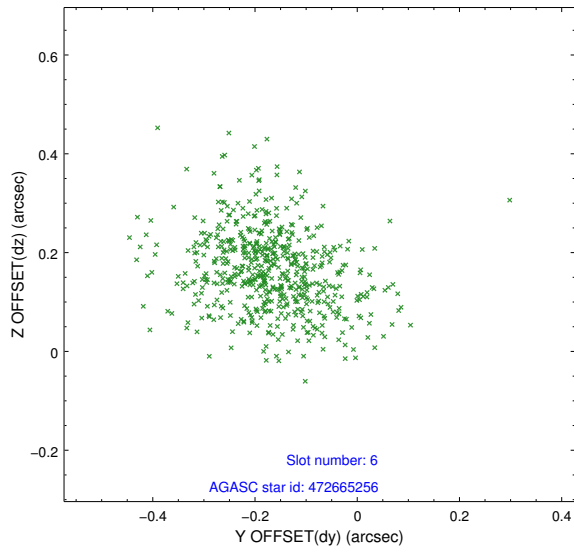
2.4.2 Slot 4



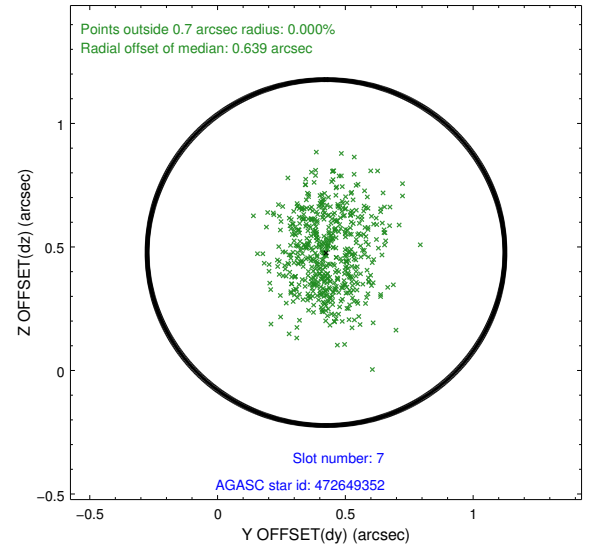
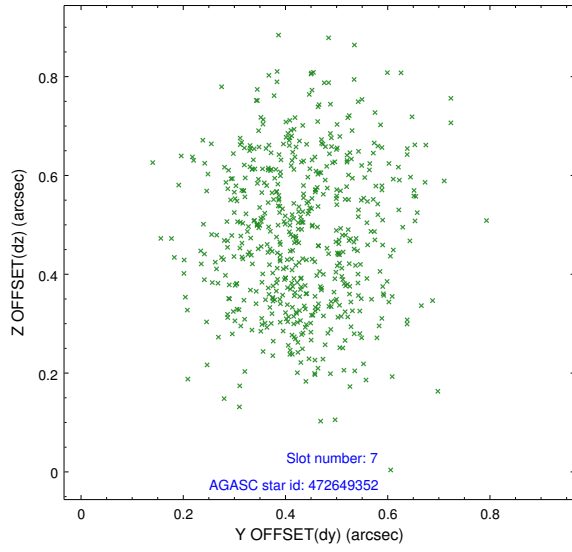
2.4.3 Slot 5



2.4.4 Slot 6

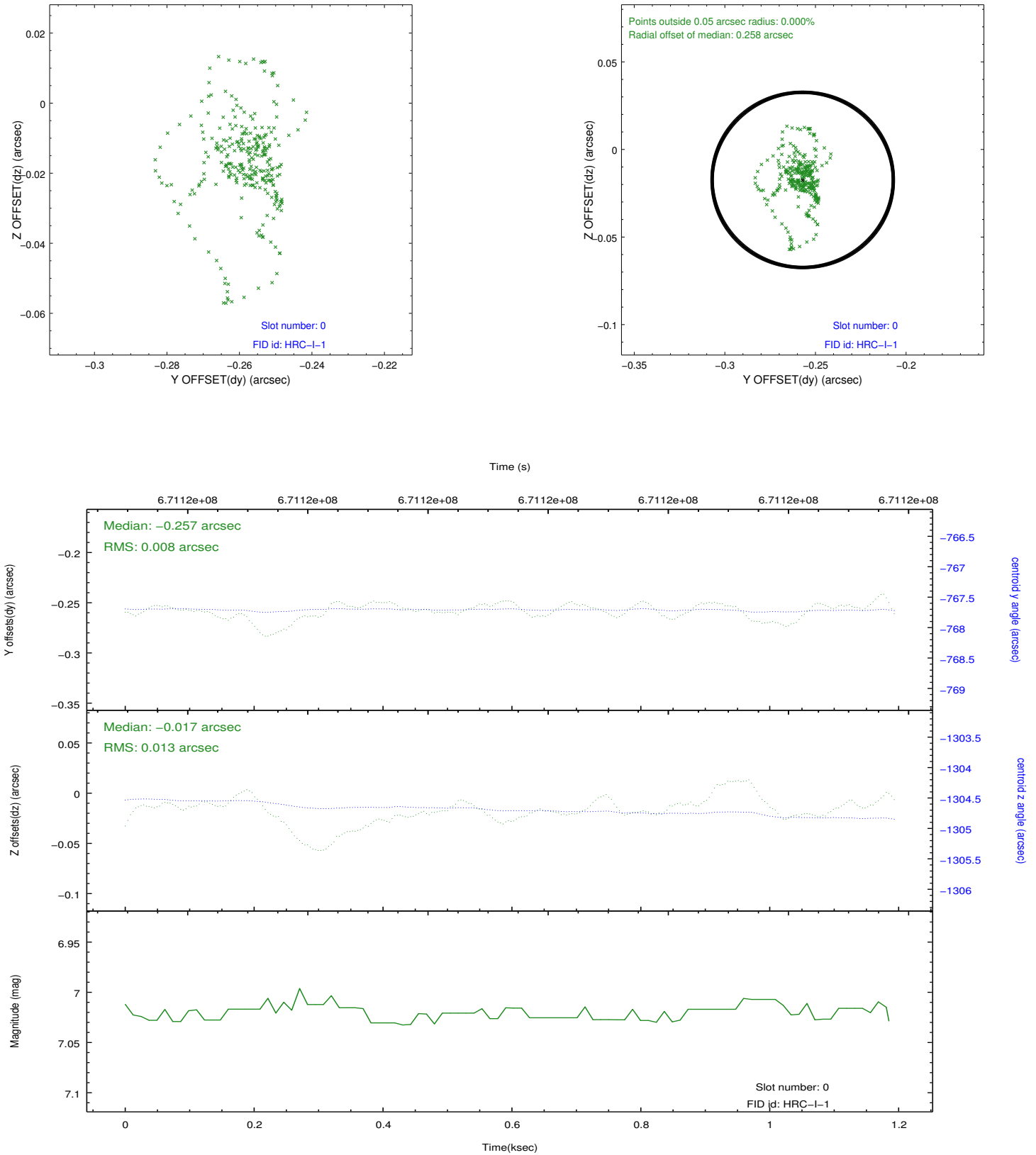


2.4.5 Slot 7

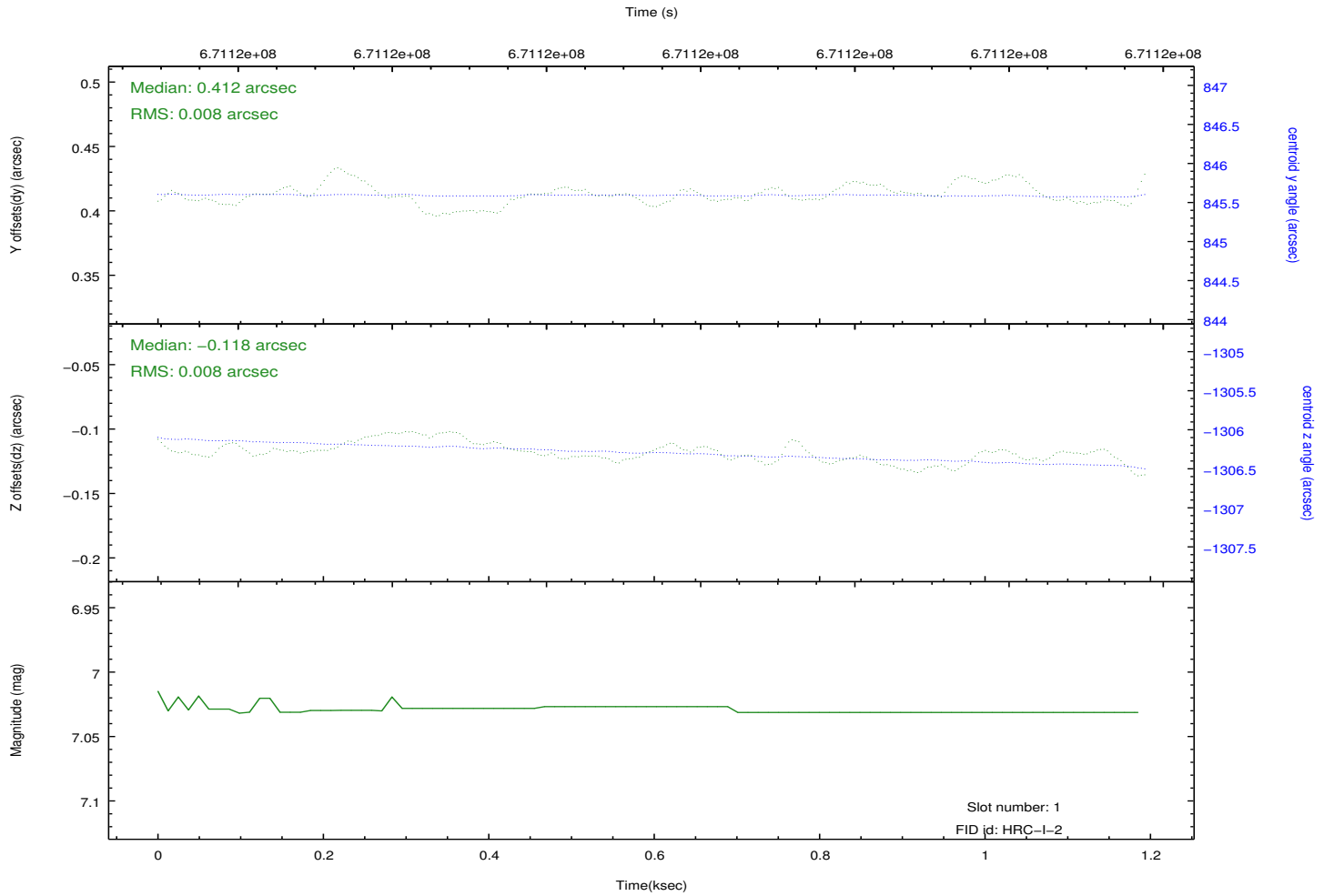
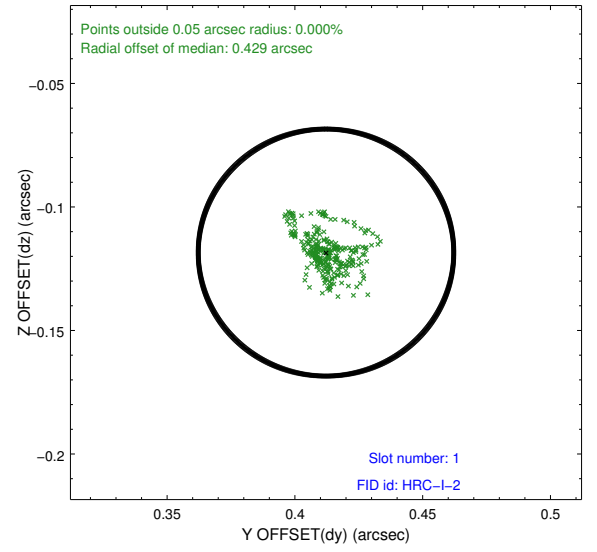
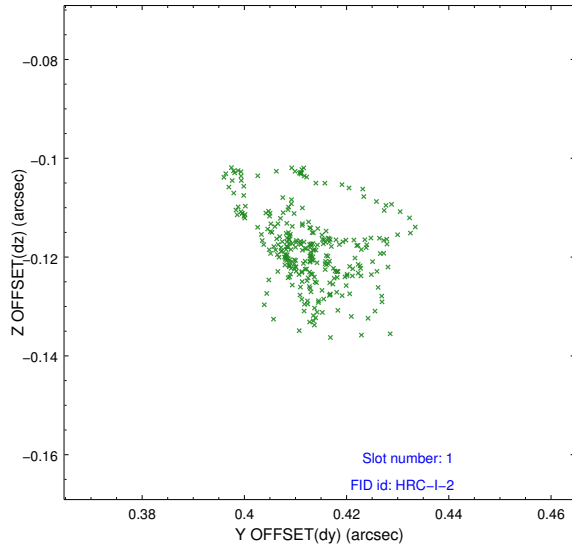


2.5 FID Slots

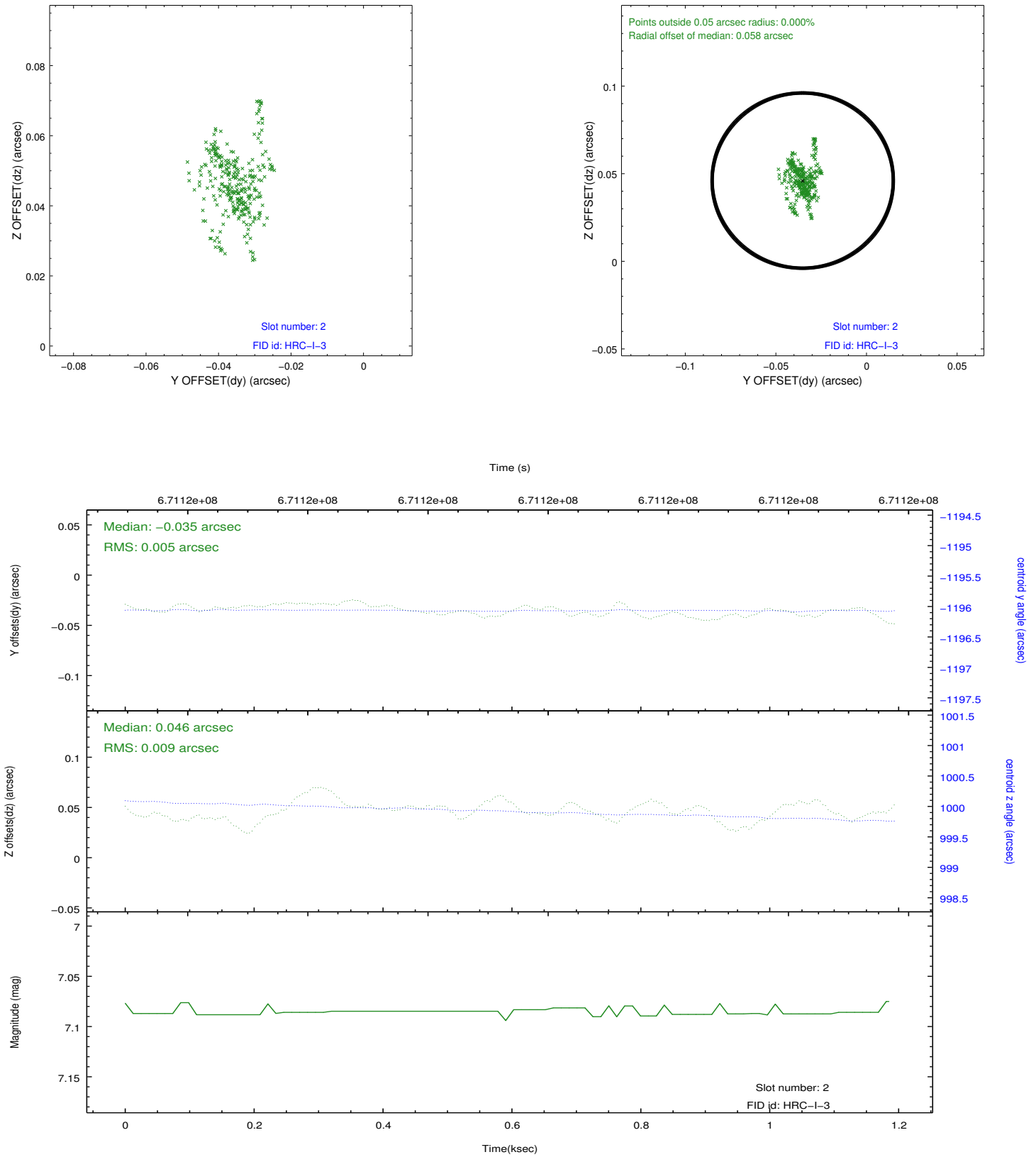
2.5.1 Slot 0



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	1.1923313214779

A.2 Comments