

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21769 - L2 Version 1
Chandra X-Ray Center

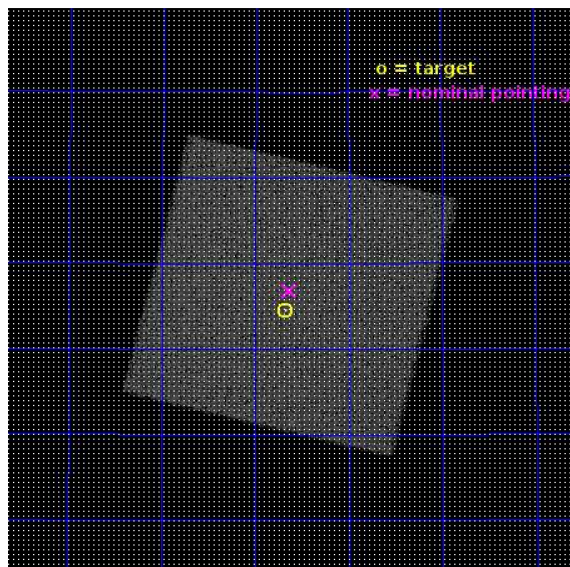
L2 Processing Date : Apr 8 2019

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1 Front

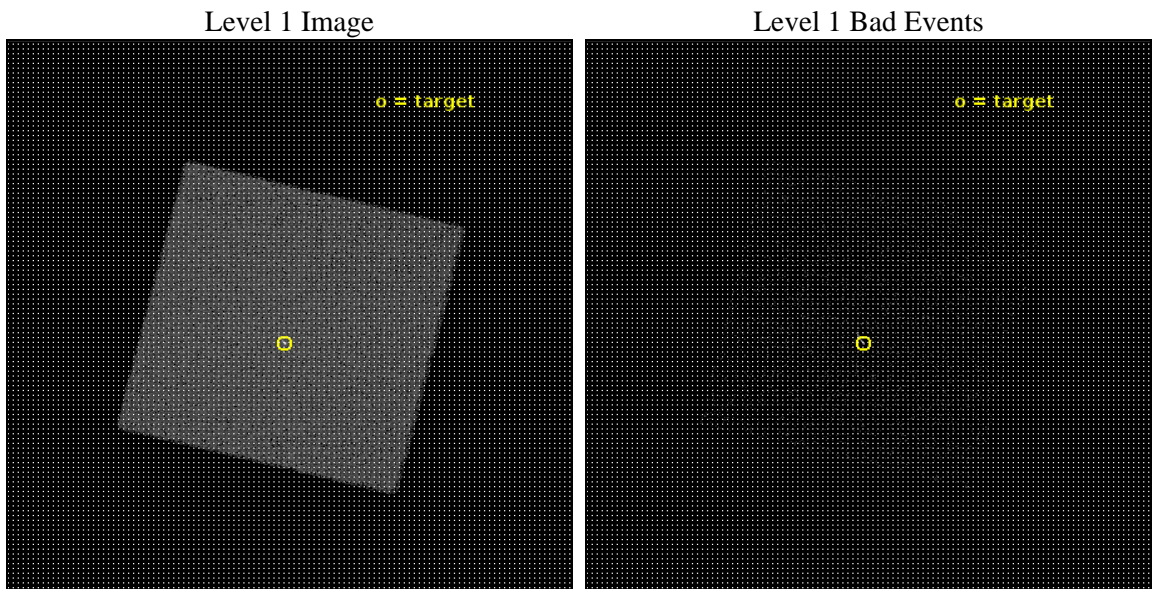
seq_num	291455	Sequence number
obs_id	21769	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.15878335325	Nominal RA [deg]
dec_nom	45.780090085744	Nominal Dec [deg]
roll_nom	58.970189190731	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1188.2313212156	[s]
livetime	1170.5645116622	Ontime multiplied by DTCOR
l2events	151735	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	1188.2313212156	[s]
caldbver	4.8.2	 	l1events	251607	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

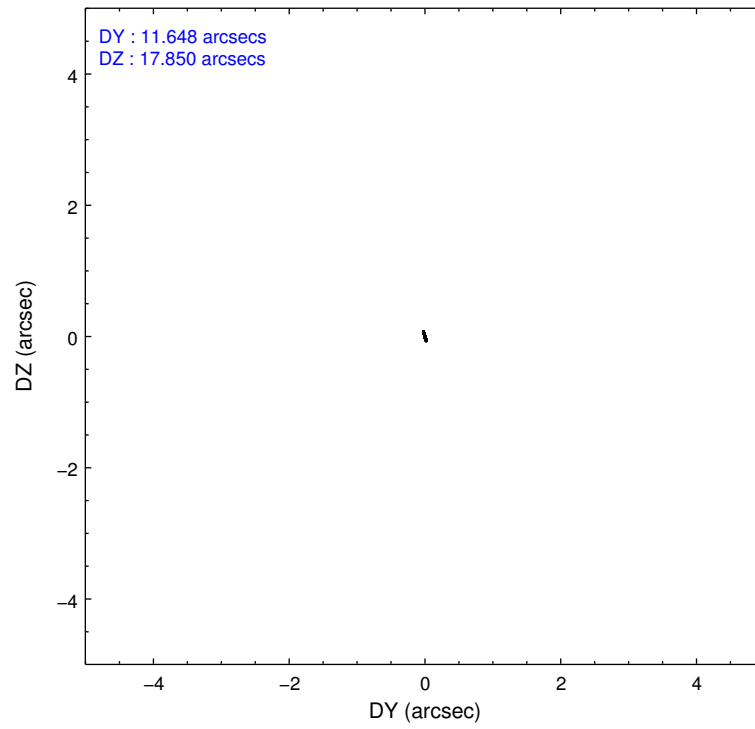
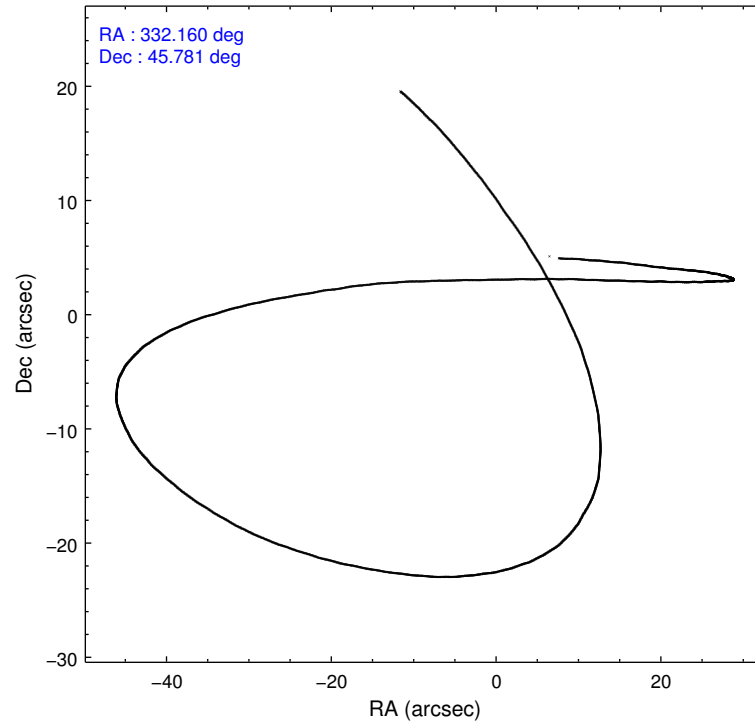
	segment 0
level 1 events	251607
rejected events	53442
rejected %	21%

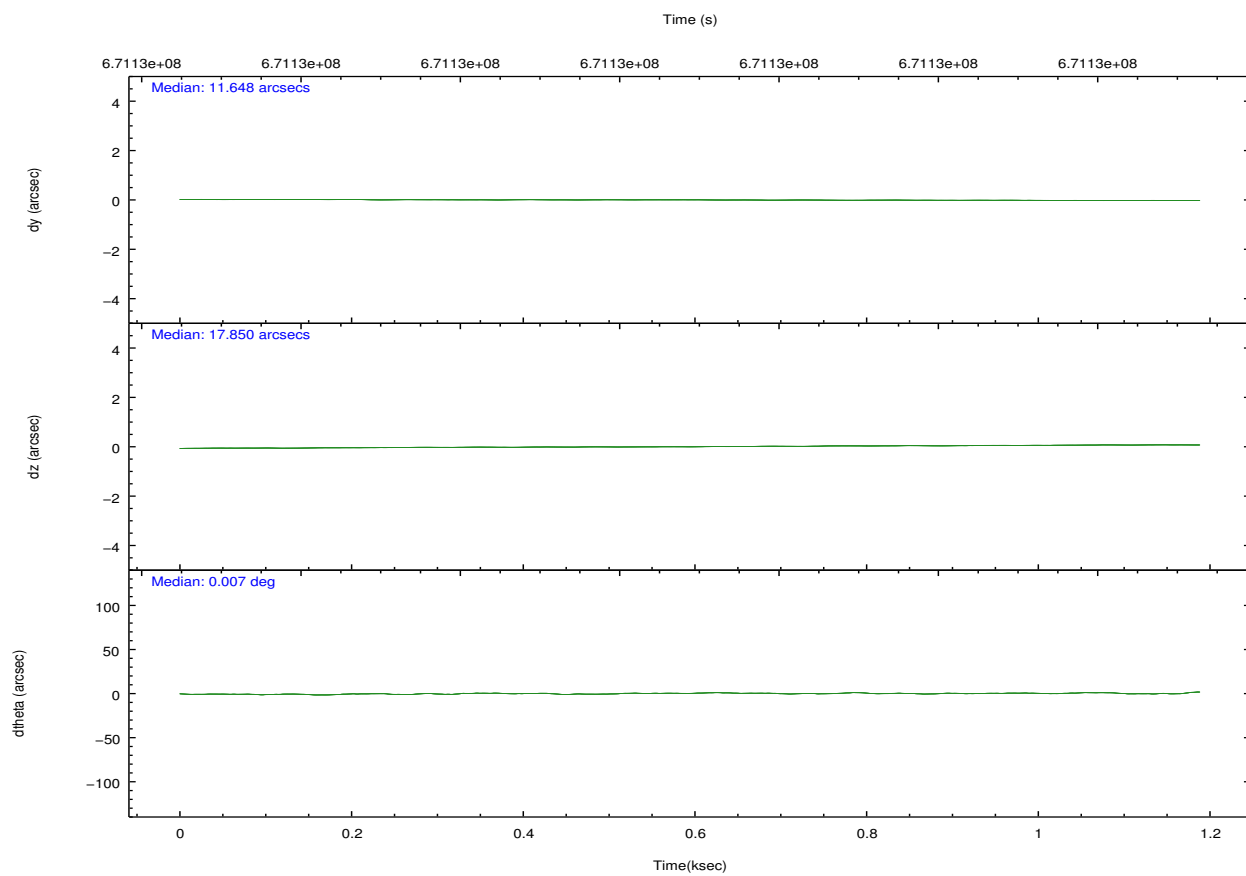
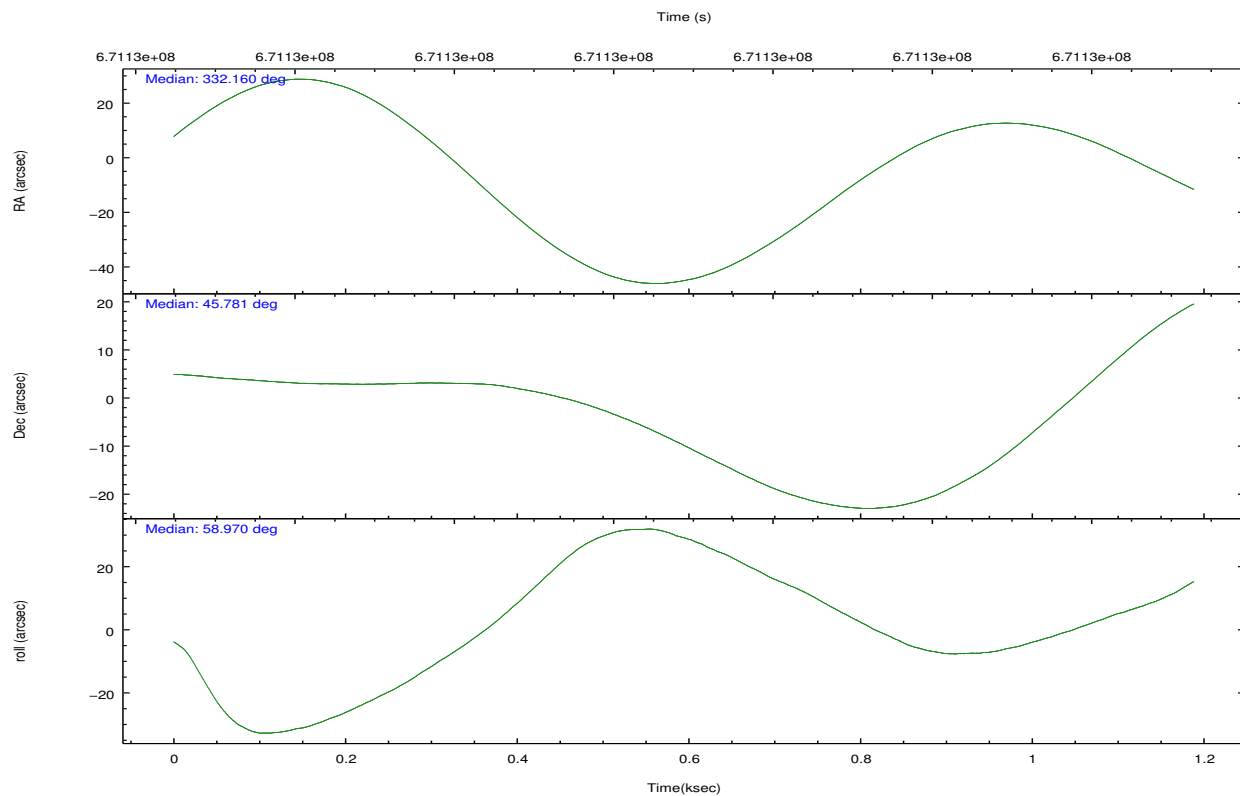
2.2 Compared Parameters

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	332.157456	332.1587833532457
[deg] Pointing Dec	45.752924	45.78009008574364
[deg] Pointing Roll	59.066724	58.97018919073088
[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)	671125474.184000	671125097.8288701
Observation start date	2019-04-08T15:43:25	2019-04-08T15:38:17
[s] Observation end time (MET)	671126474.184000	671126607.65396
Observation end date	2019-04-08T16:00:05	2019-04-08T16:03:27

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

2.3 Aspect



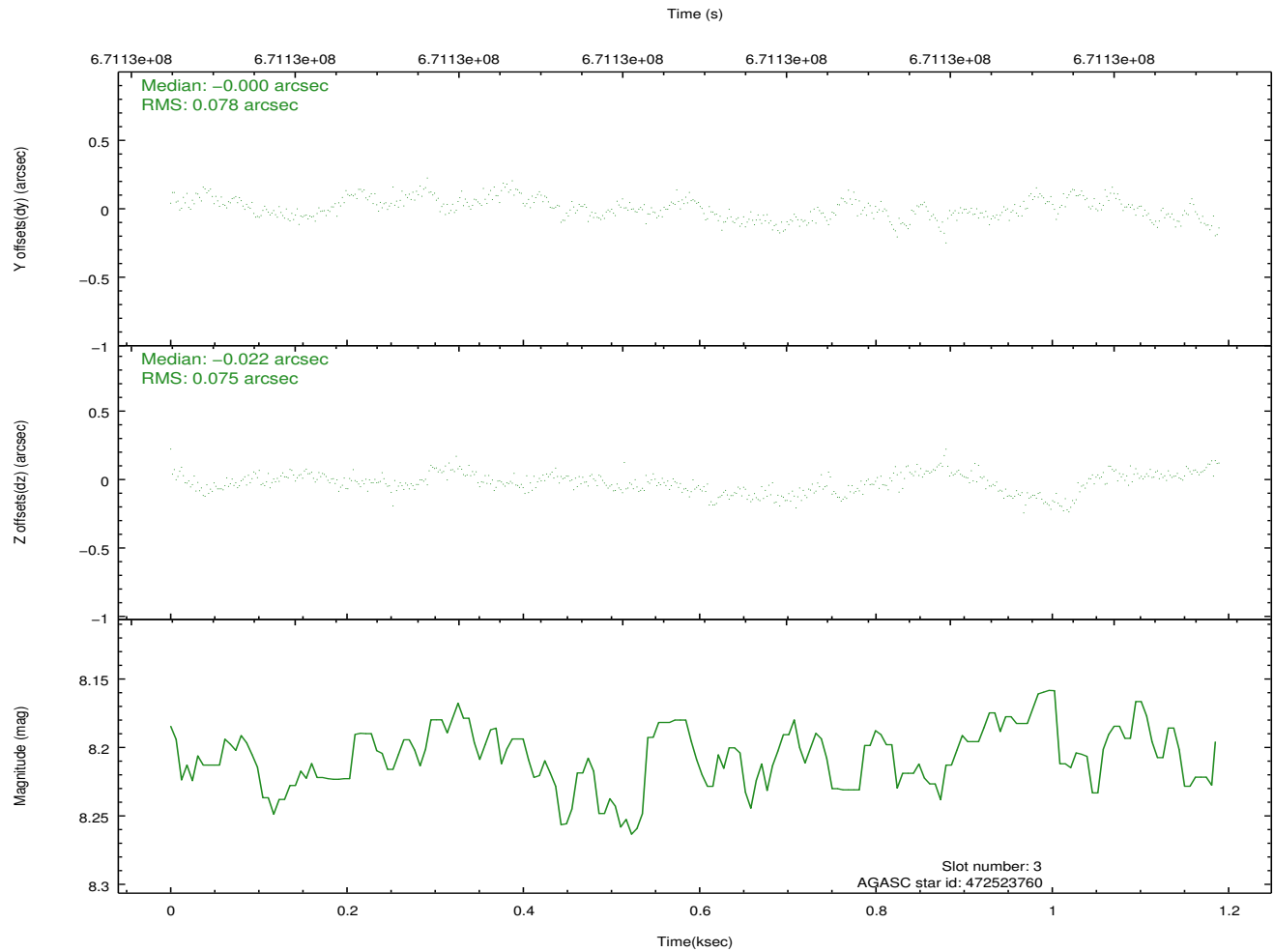
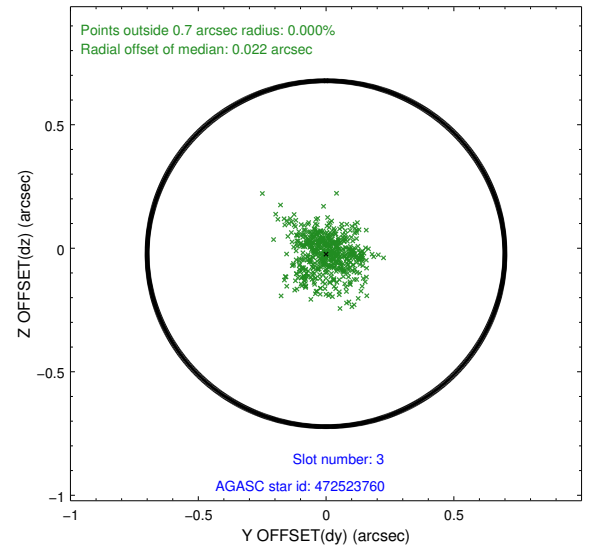
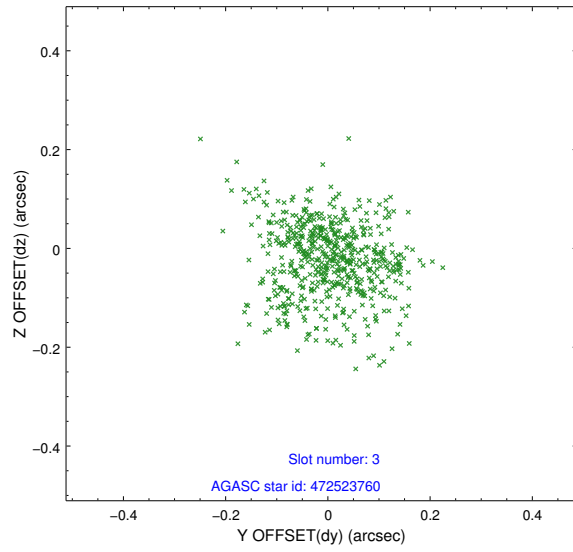


Slot Statistics

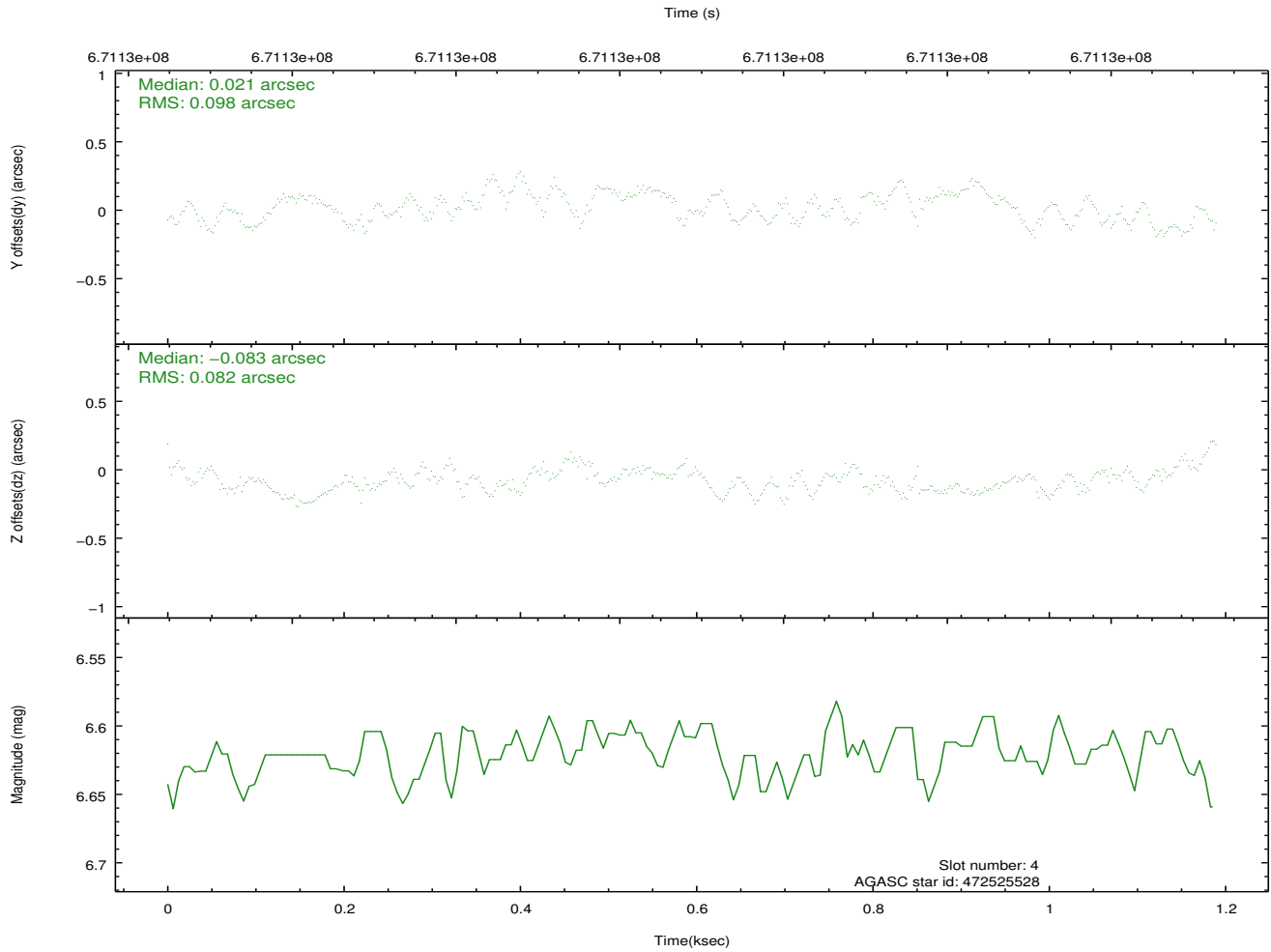
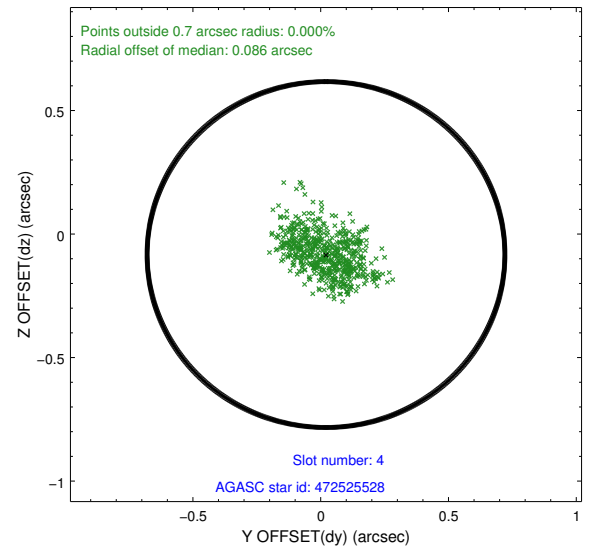
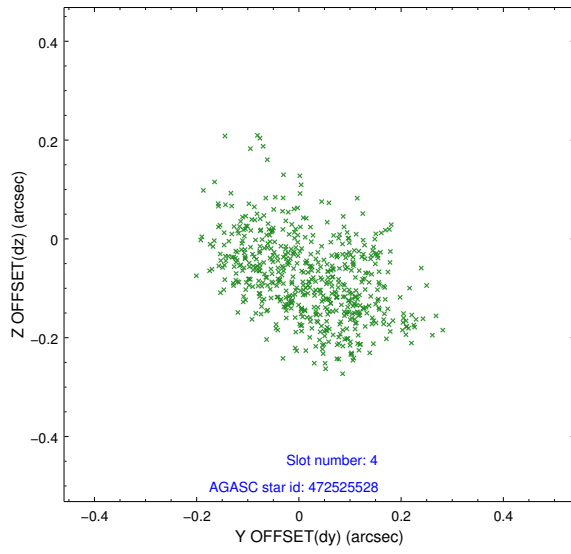
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	290	1.000	-0.245	-0.027	0.007	0.011	0.000000	0.000000	-767.55	-1306
1	FID		HRC-I-2	7.03	290	1.000	0.418	-0.137	0.006	0.012	0.000000	0.000000	843.09	-1312
2	FID		HRC-I-3	7.09	290	1.000	-0.054	0.076	0.008	0.016	0.000000	0.000000	-1193.01	994
3	GUIDE	used	472523760	8.21	581	1.000	-0.000	-0.022	0.114	0.190	331.645363	45.403260	-1743.09	469
4	GUIDE	used	472525528	6.62	580	1.000	0.021	-0.083	0.138	0.213	331.551102	45.248694	-2346.11	392
5	GUIDE	used	472533912	9.12	580	1.000	-0.252	-0.464	0.198	0.347	331.791136	46.368695	1429.93	1925
6	GUIDE	used	472665256	8.98	581	1.000	-0.185	0.171	0.158	0.254	332.808125	46.195041	2205.34	-562
7	GUIDE	used	472649352	9.68	573	1.000	0.459	0.386	0.255	0.405	332.034169	45.325407	-1477.46	-520

2.4 Star Slots

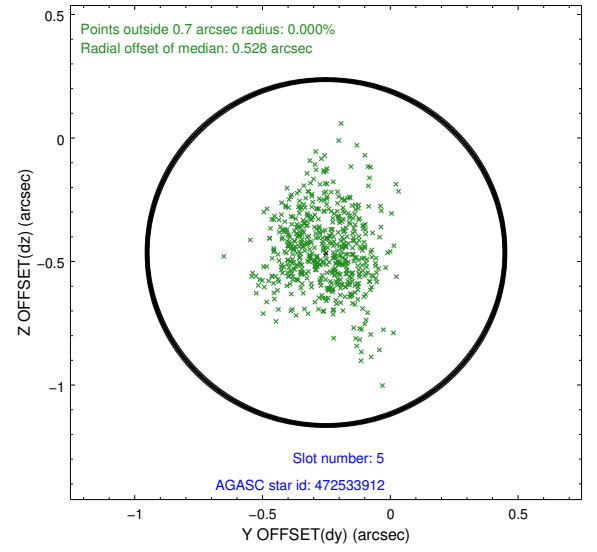
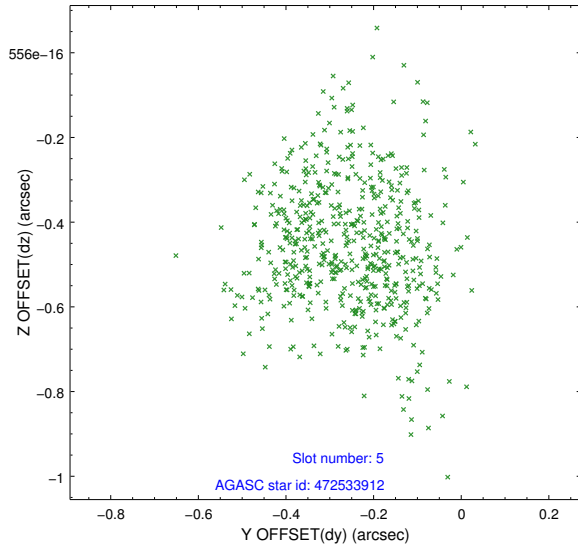
2.4.1 Slot 3



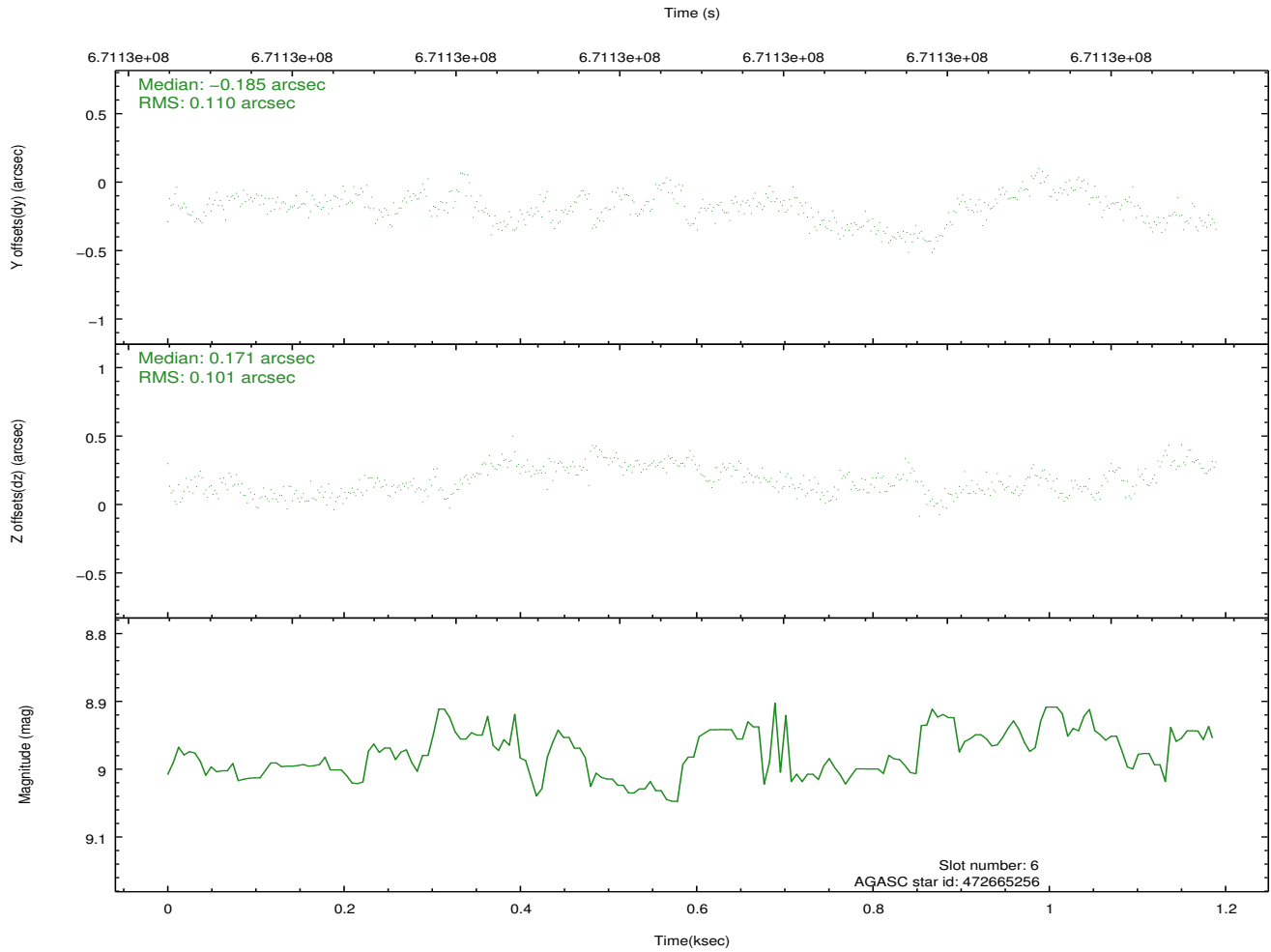
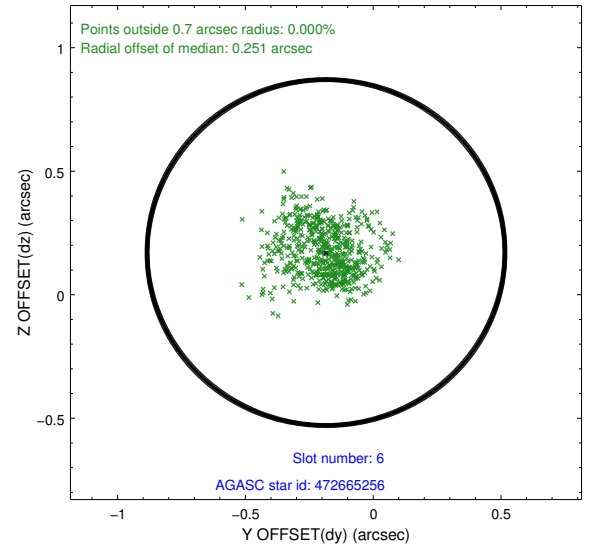
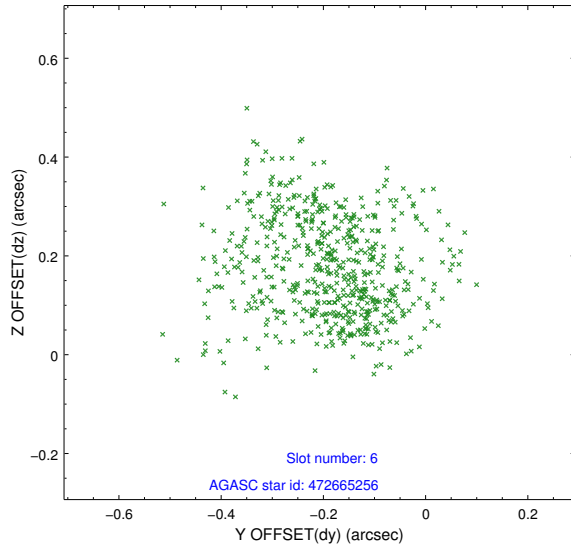
2.4.2 Slot 4



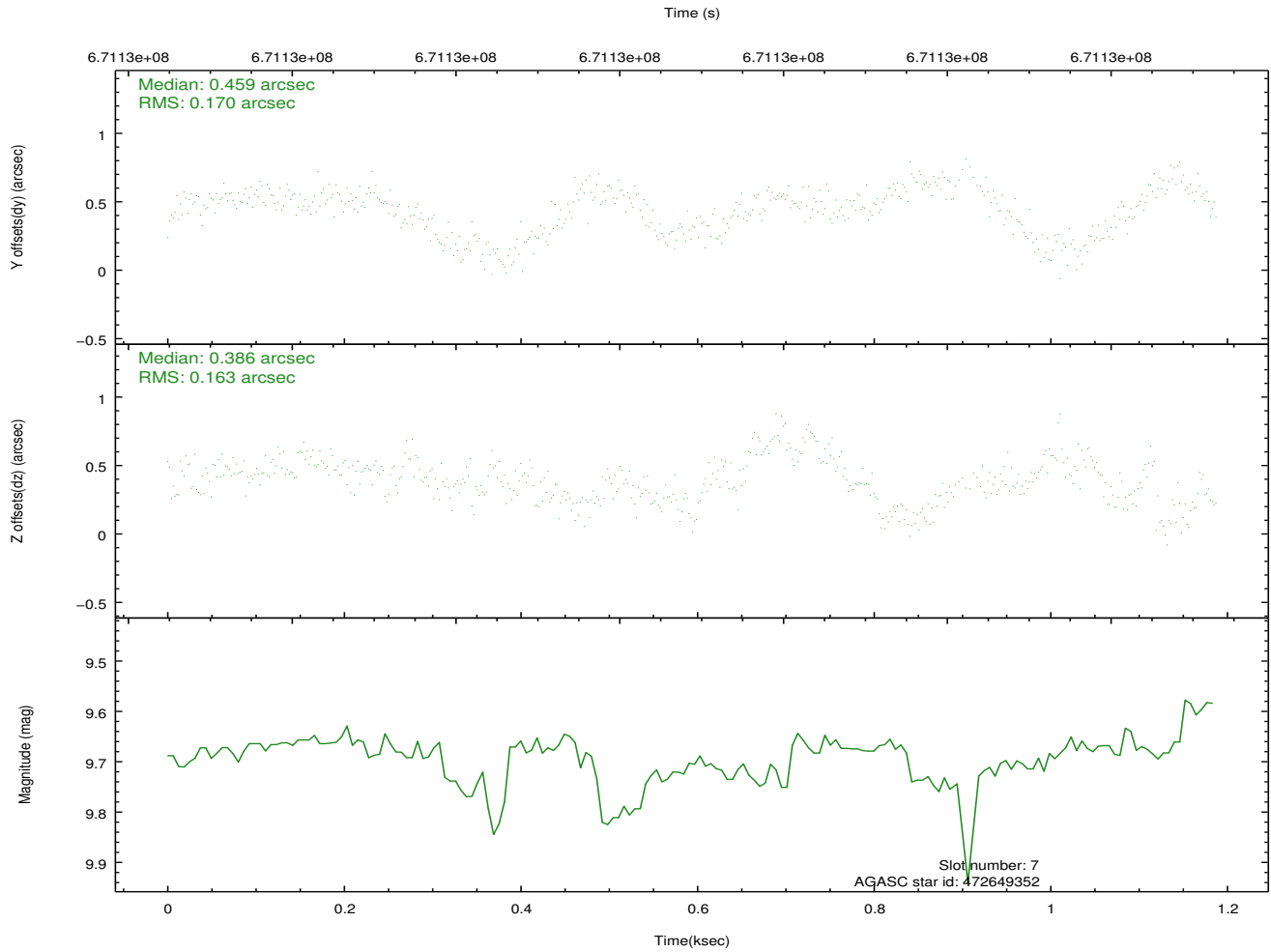
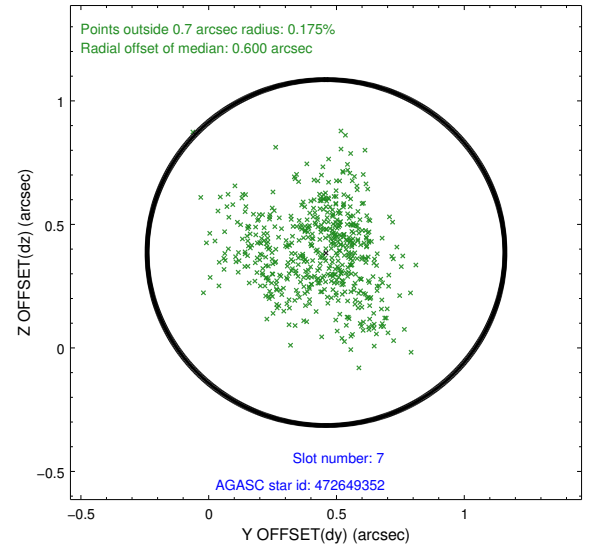
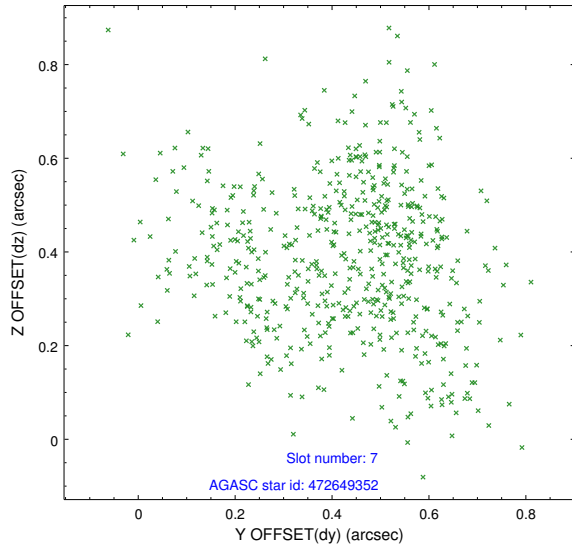
2.4.3 Slot 5



2.4.4 Slot 6

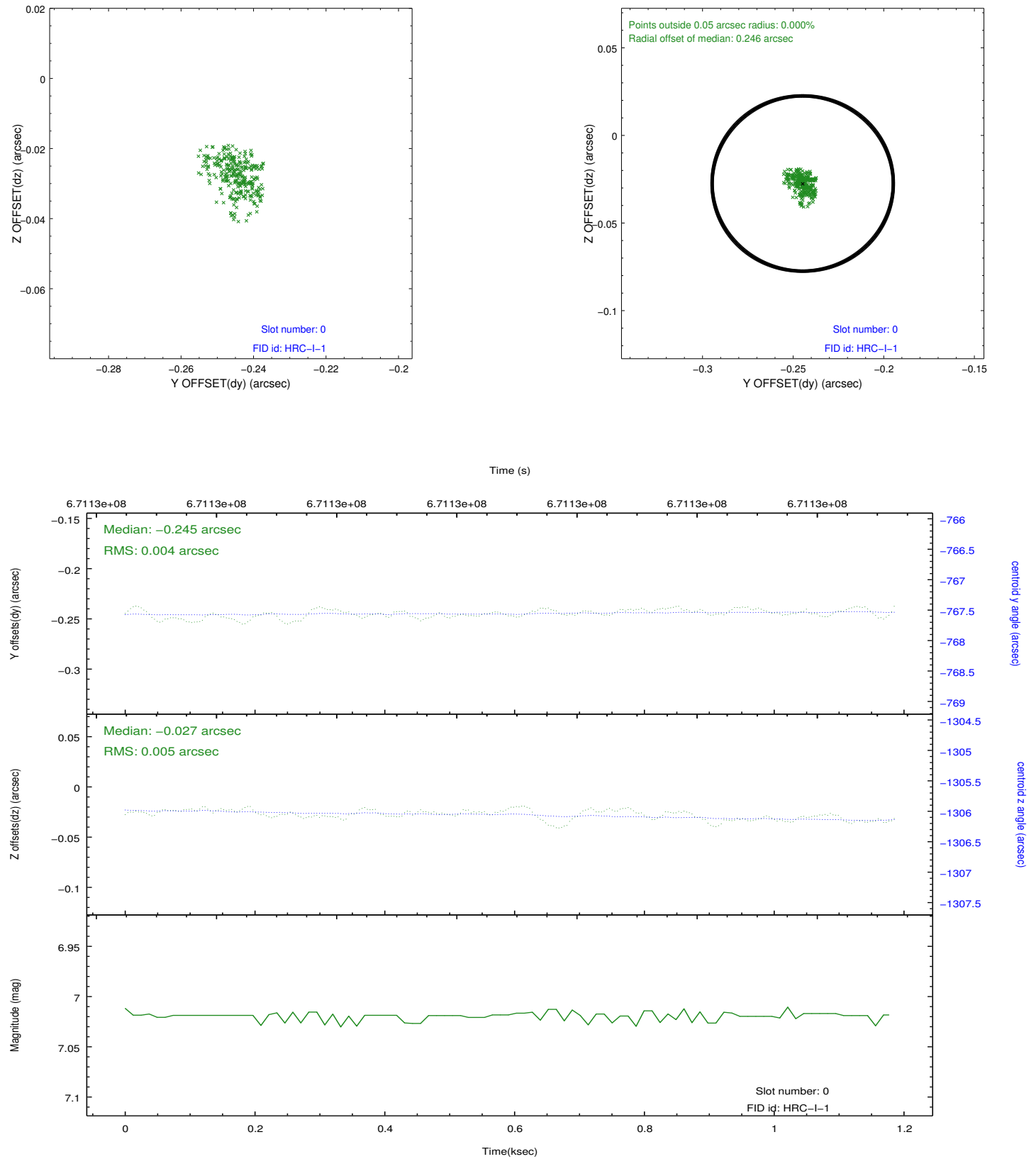


2.4.5 Slot 7

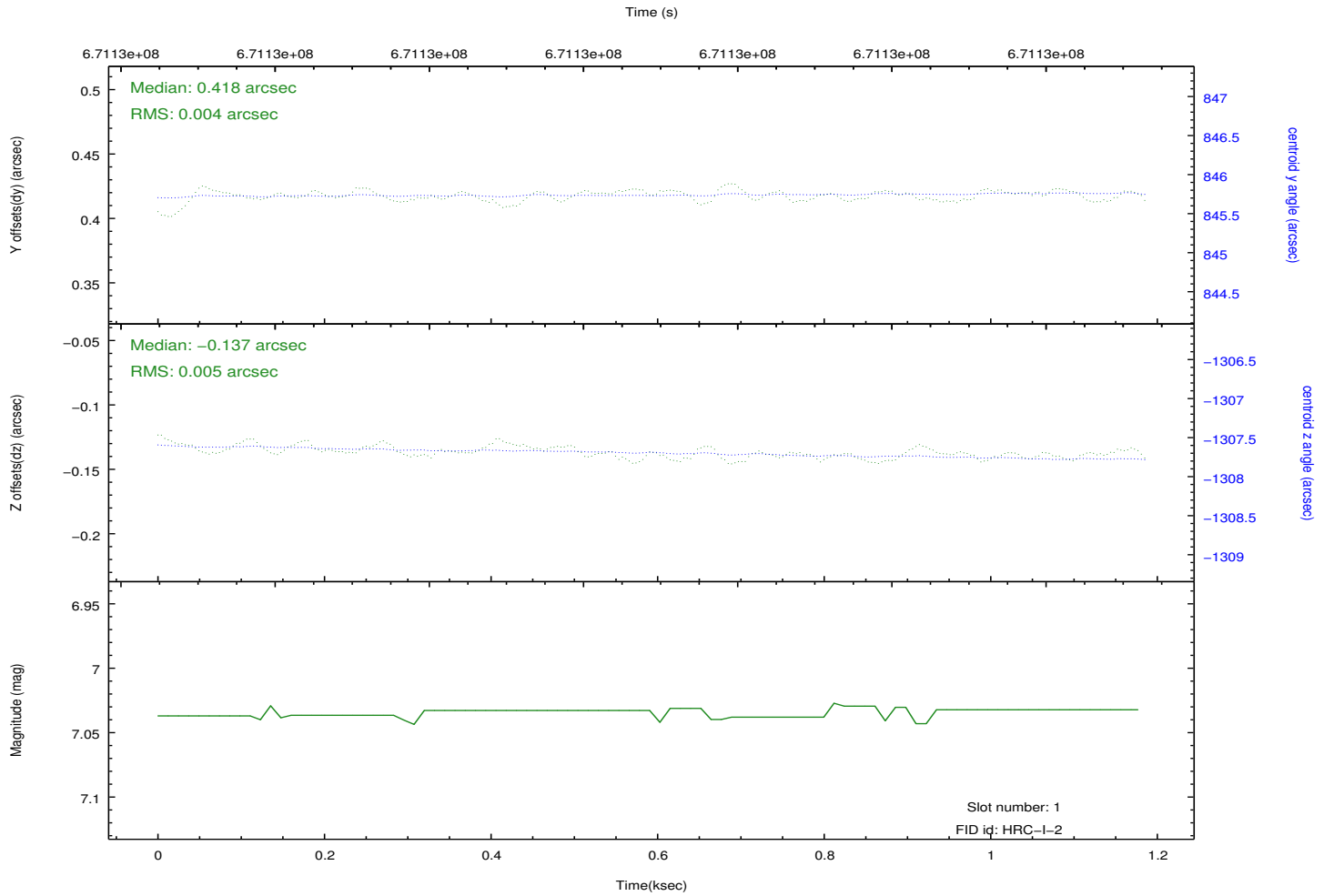
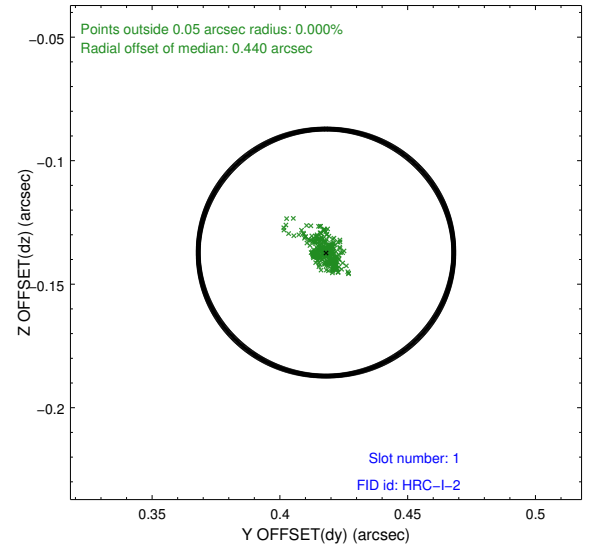
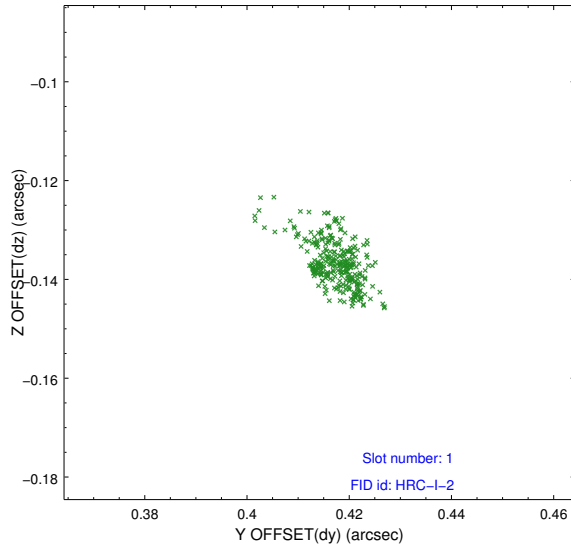


2.5 FID Slots

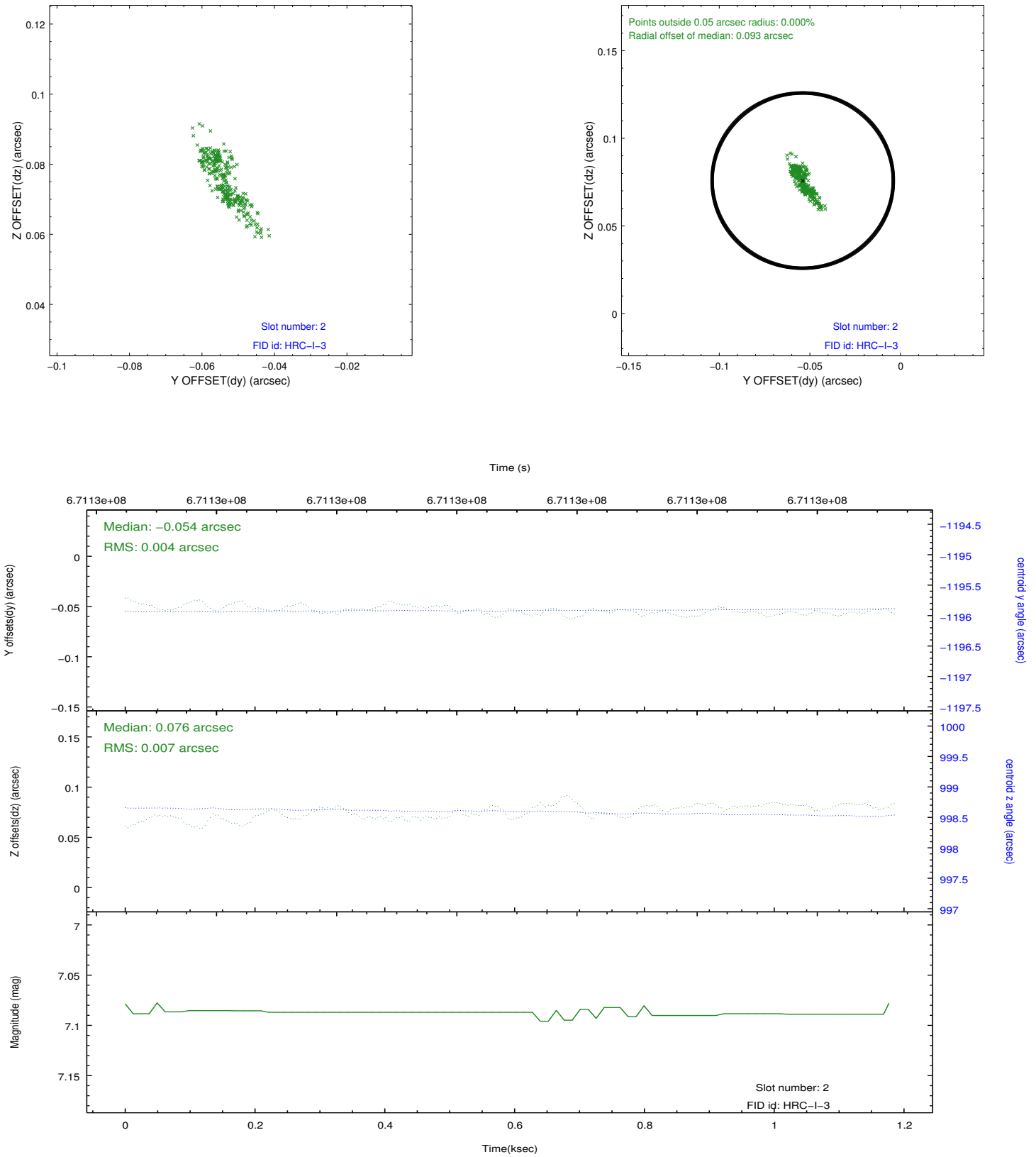
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2019.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1882313212156

A.2 Comments