

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19824 - L2 Version 1
Chandra X-Ray Center

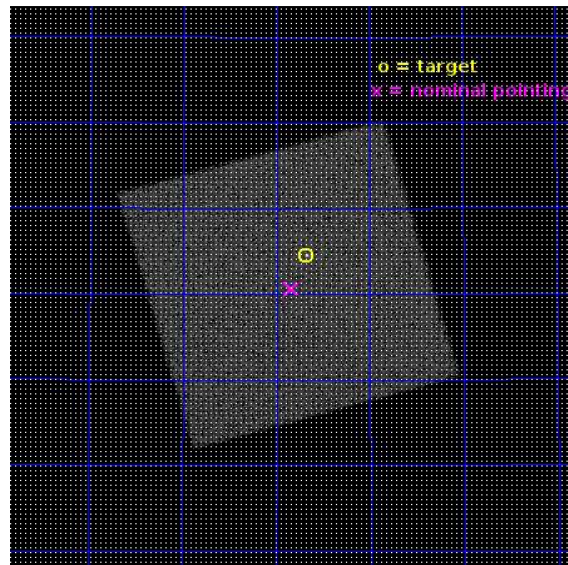
L2 Processing Date : Sep 17 2017

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1 Front

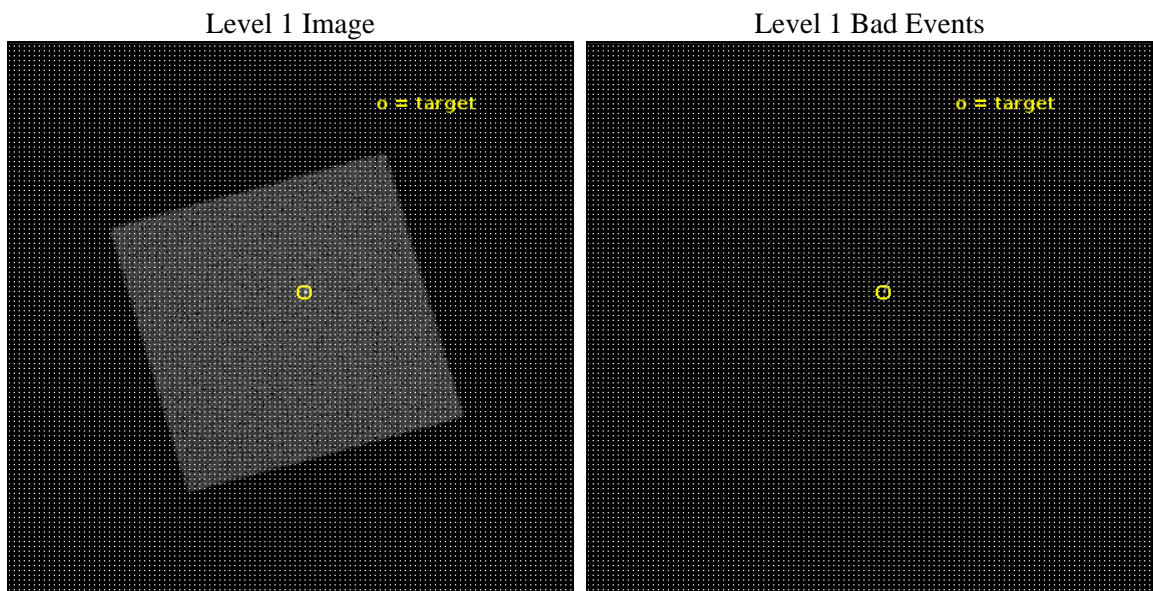
seq_num	291341	Sequence number
obs_id	19824	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20999703209	Nominal RA [deg]
dec_nom	45.677335698703	Nominal Dec [deg]
roll_nom	209.06619648092	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1175.9313188791	[s]
livetime	1161.3012463541	Ontime multiplied by DTCOR
l2events	128039	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	1175.9313188791	[s]
caldsver	4.7.6	 	l1events	214522	Number of level 1 events
date	2017-09-17T15:29:36	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

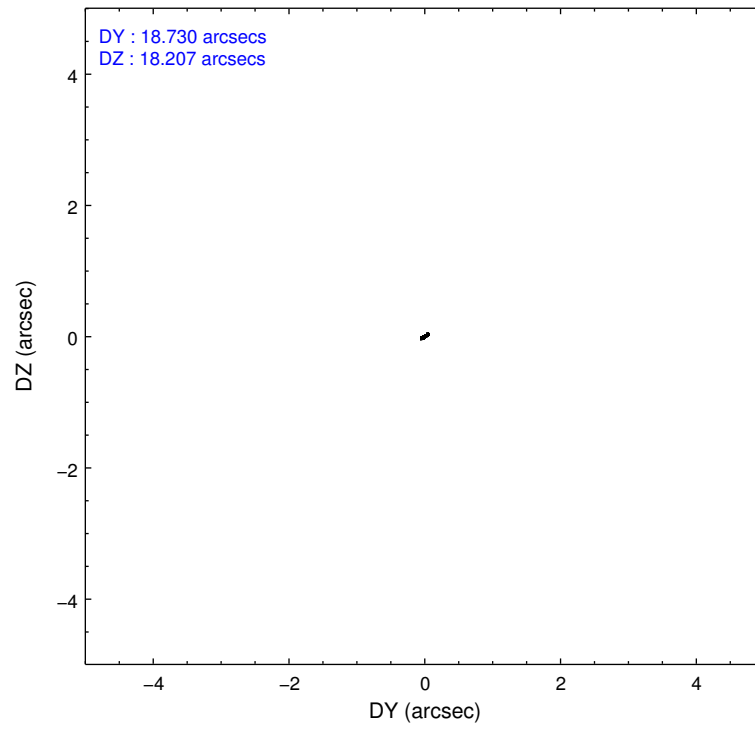
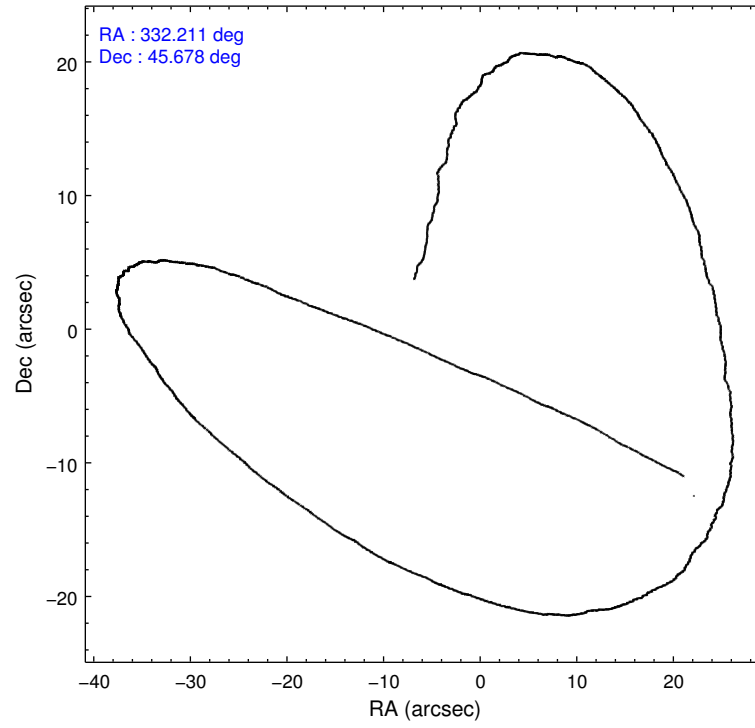
	segment 0
level 1 events	214522
rejected events	47323
rejected %	22%

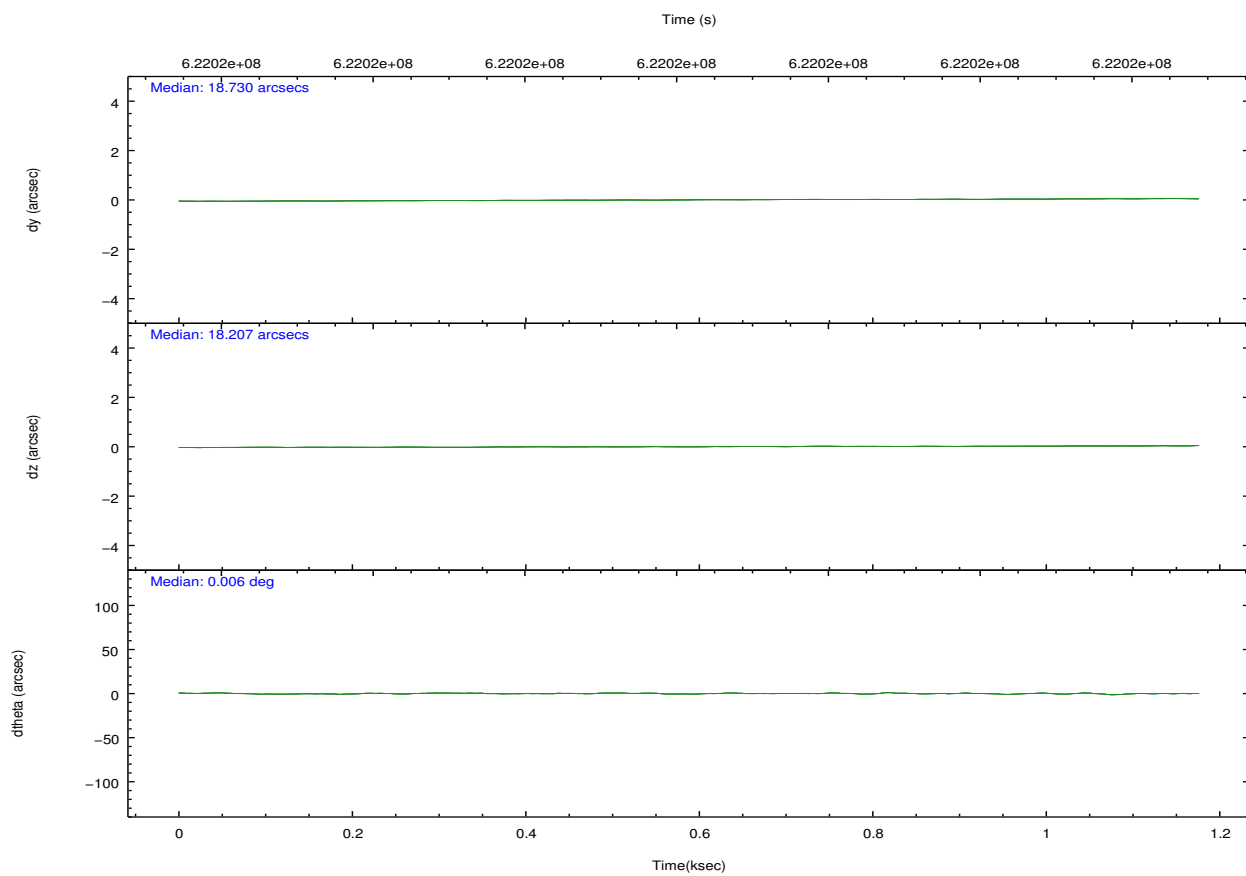
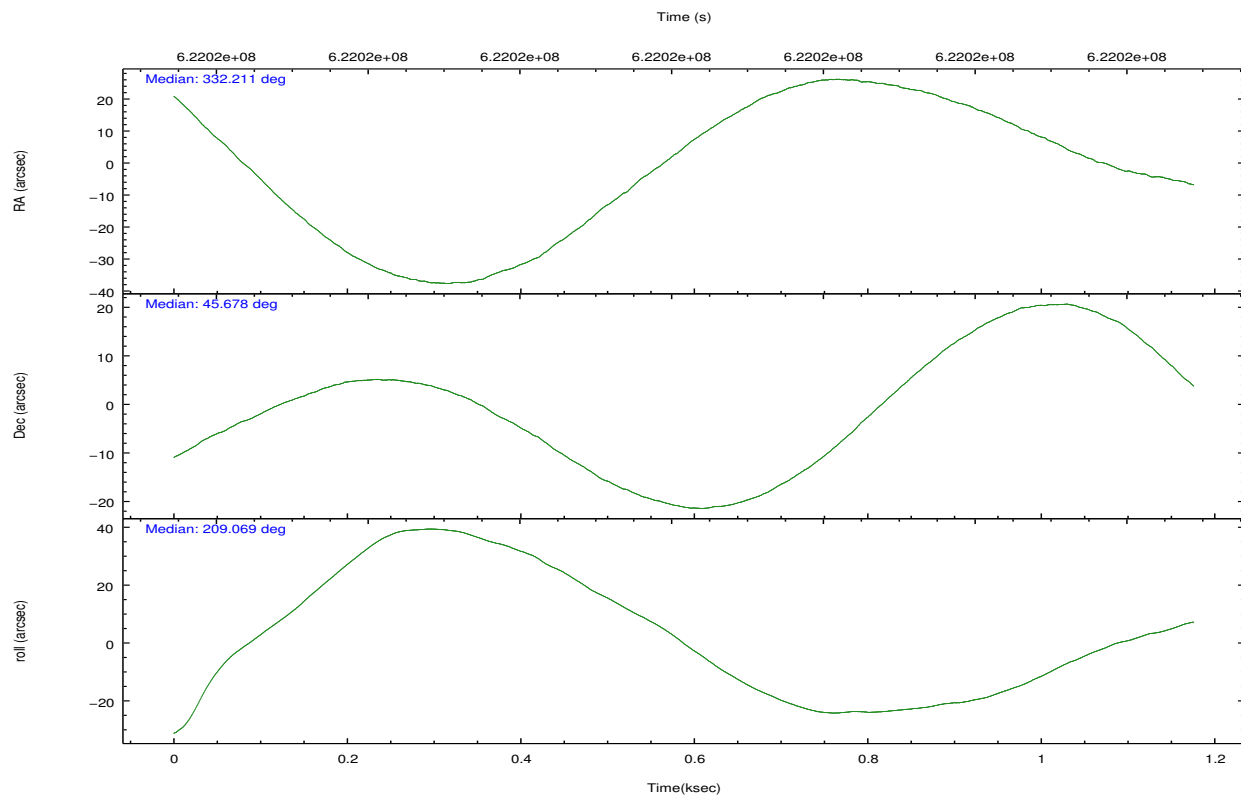
2.2 Compared Parameters

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	332.229812	332.2099970320859
[deg] Pointing Dec	45.700243	45.67733569870289
[deg] Pointing Roll	209.147748	209.0661964809206
[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)	622019208.184000	622018832.1162699
Observation start date	2017-09-17T07:05:39	2017-09-17T07:00:32
[s] Observation end time (MET)	622020208.184000	622020342.96636
Observation end date	2017-09-17T07:22:19	2017-09-17T07:25:42

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

2.3 Aspect



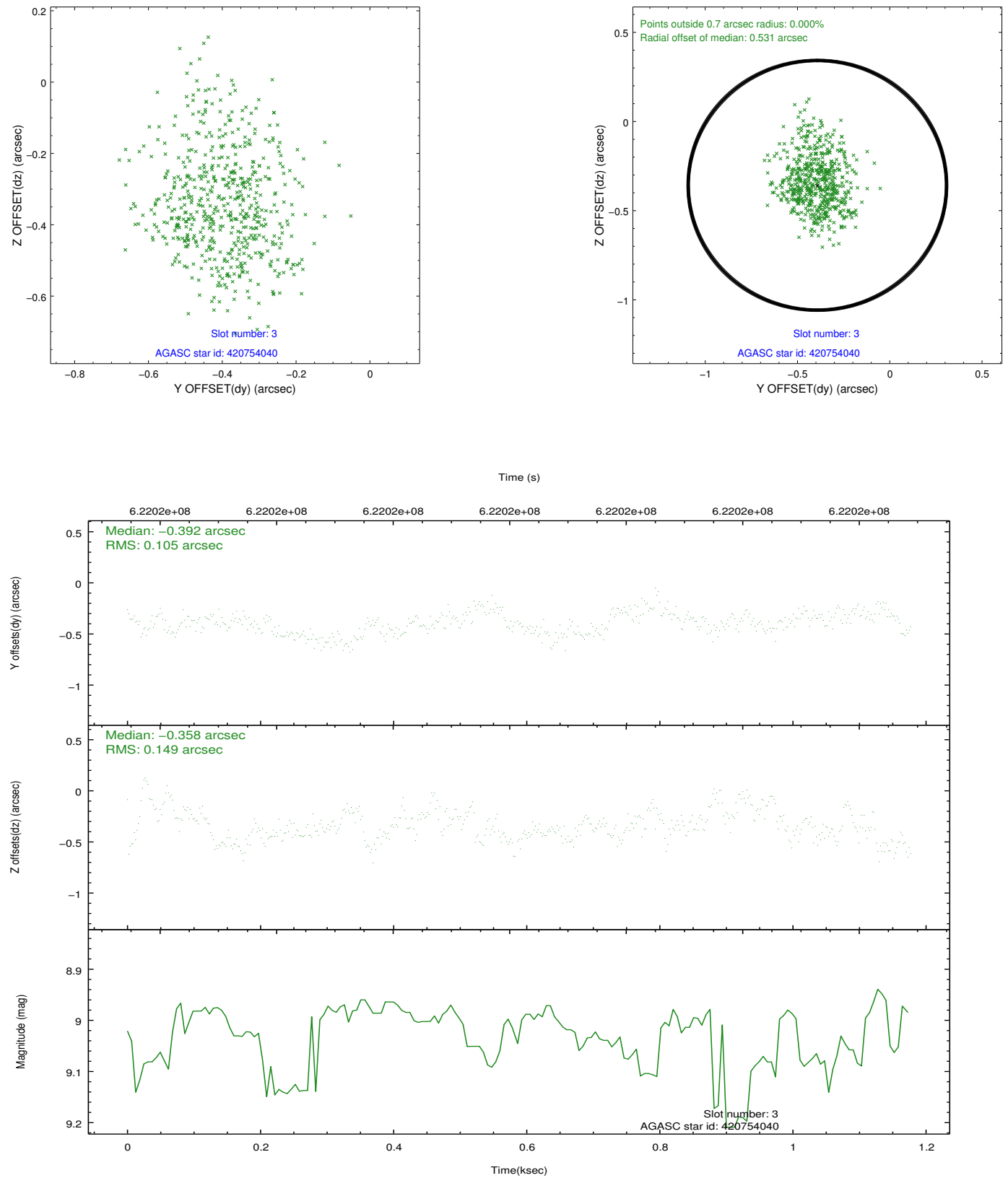


Slot Statistics

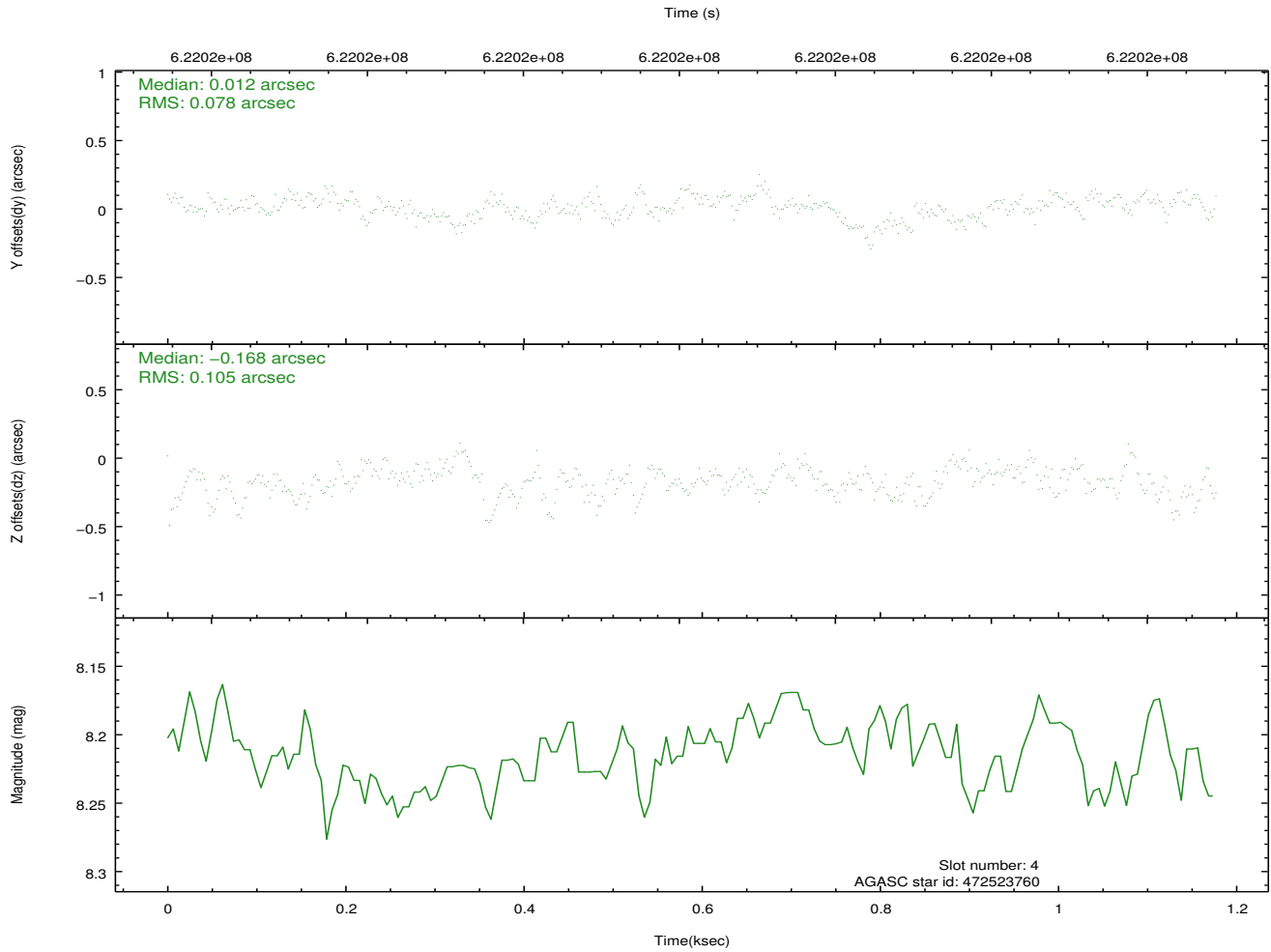
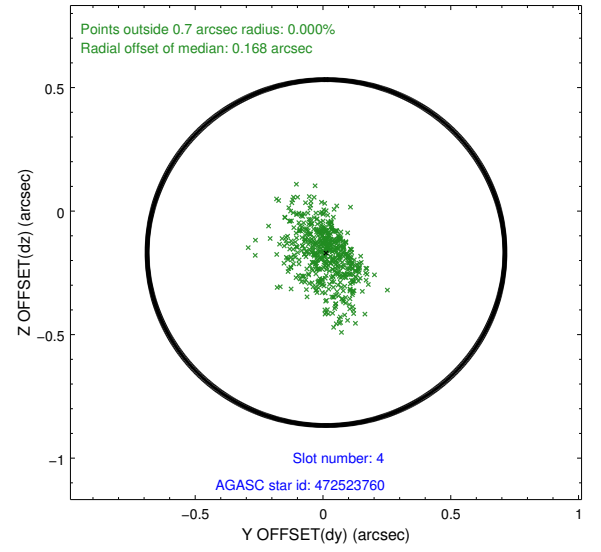
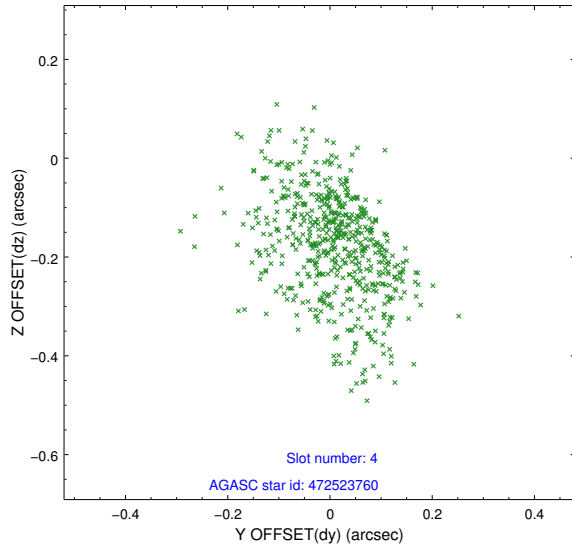
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	286	-0.197	0.008	0.007	0.011	0.000000	0.000000	-774.78	-1306.40
1	FID		HRC-I-2	7.05	287	0.375	-0.151	0.006	0.011	0.000000	0.000000	835.72	-1312.63
2	FID		HRC-I-3	7.10	287	-0.059	0.053	0.005	0.009	0.000000	0.000000	-1200.30	993.62
3	GUIDE	used	420754040	9.02	574	-0.392	-0.358	0.190	0.319	331.917939	44.882543	2126.30	2185.57
4	GUIDE	used	472523760	8.21	575	0.012	-0.168	0.137	0.246	331.645363	45.403260	1812.97	216.46
5	GUIDE	used	472655152	9.39	573	0.362	0.179	0.264	0.457	332.504239	45.862991	-882.56	-173.47
6	GUIDE	used	472665256	8.96	575	0.651	0.308	0.169	0.272	332.808125	46.195041	-2128.97	-854.88
7	GUIDE	used	472525528	6.65	574	-0.611	0.023	0.143	0.238	331.551102	45.248694	2287.04	577.33

2.4 Star Slots

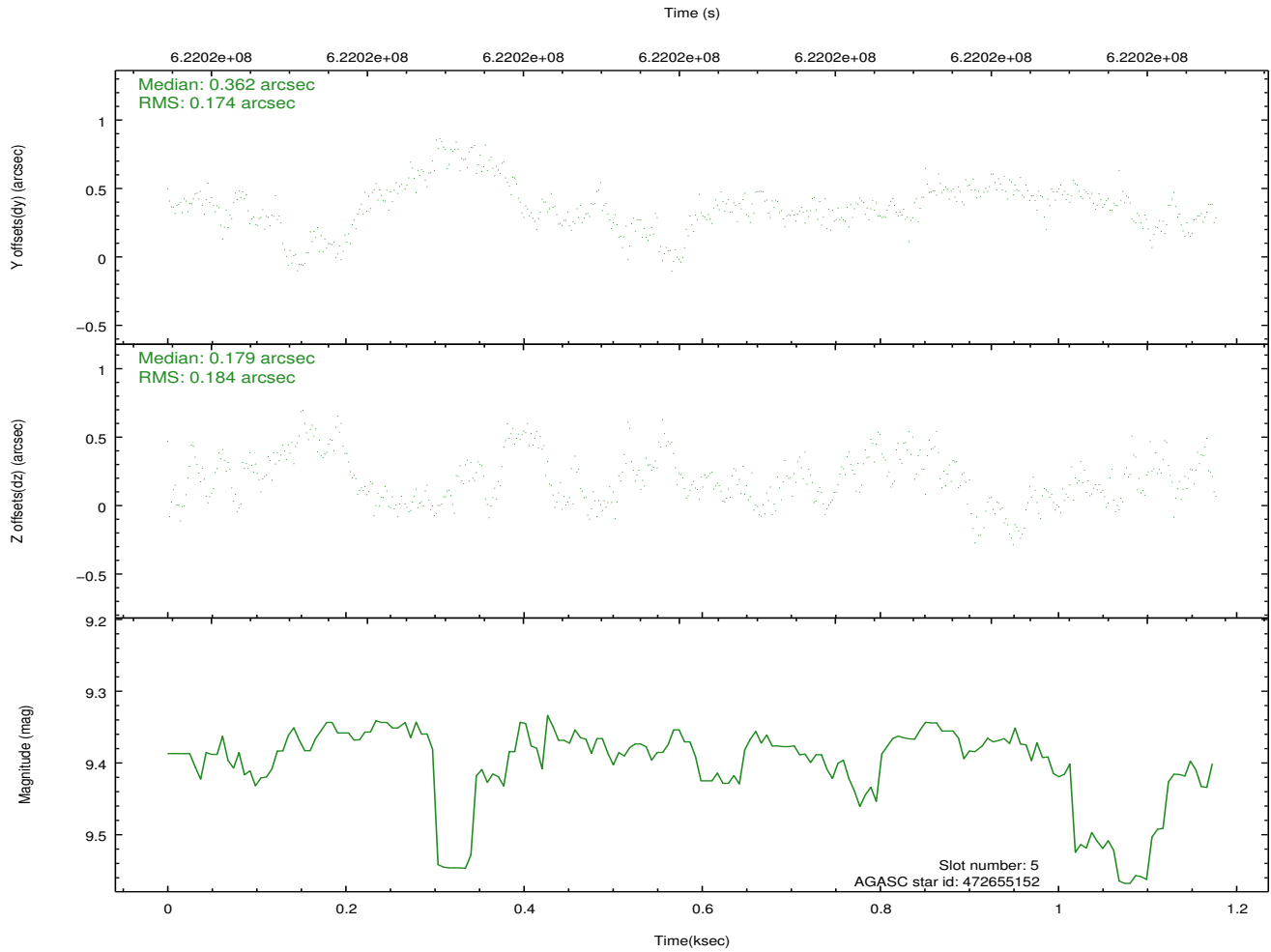
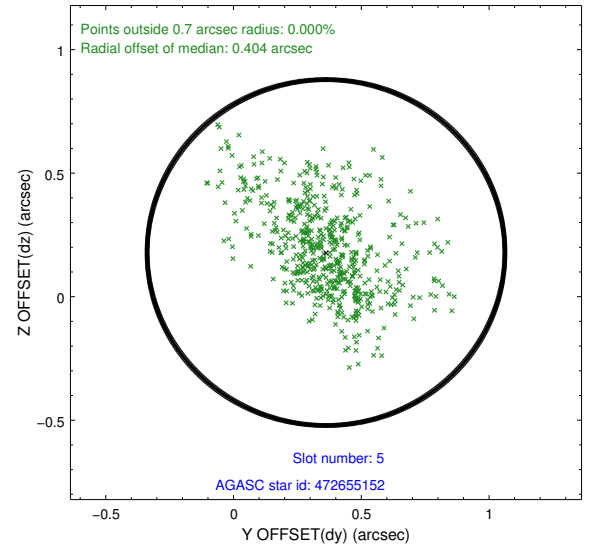
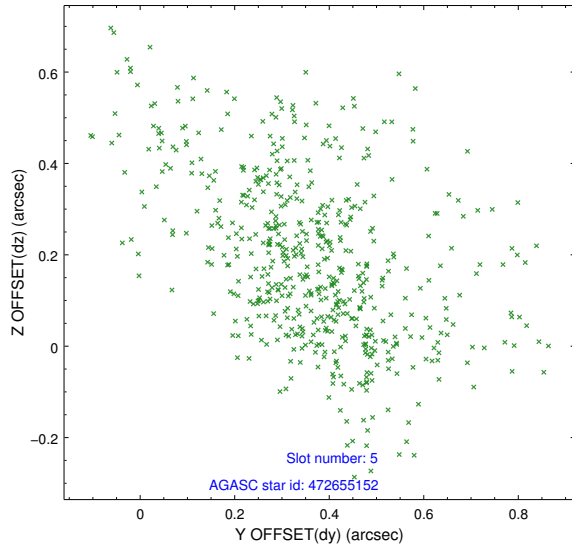
2.4.1 Slot 3



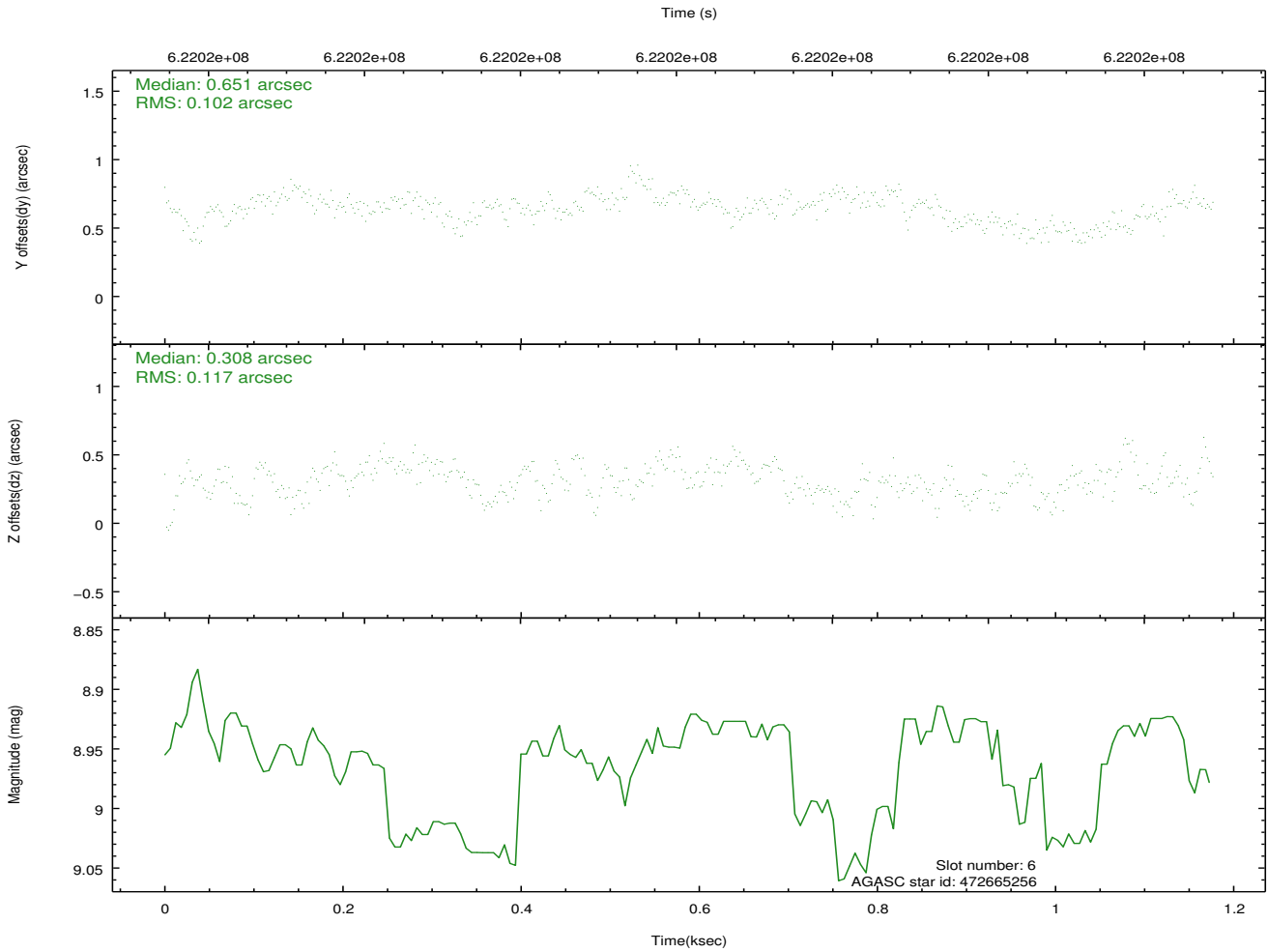
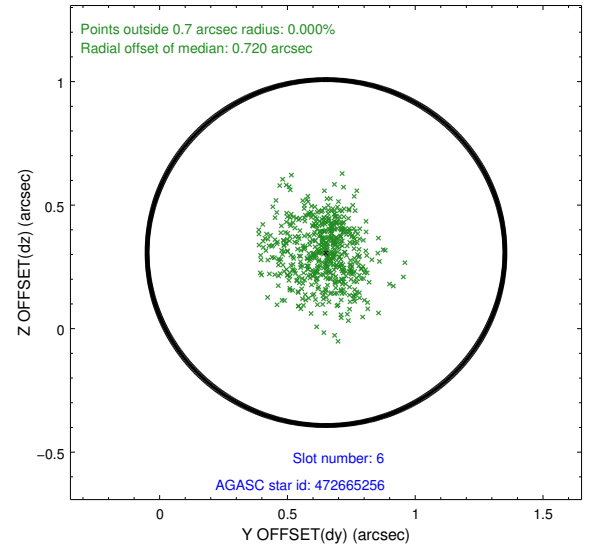
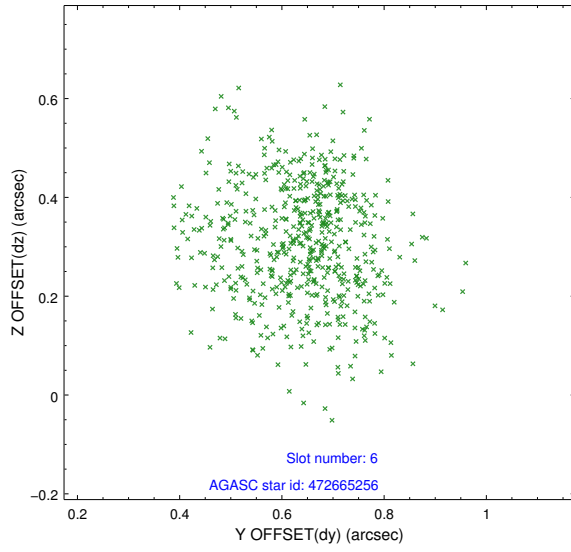
2.4.2 Slot 4



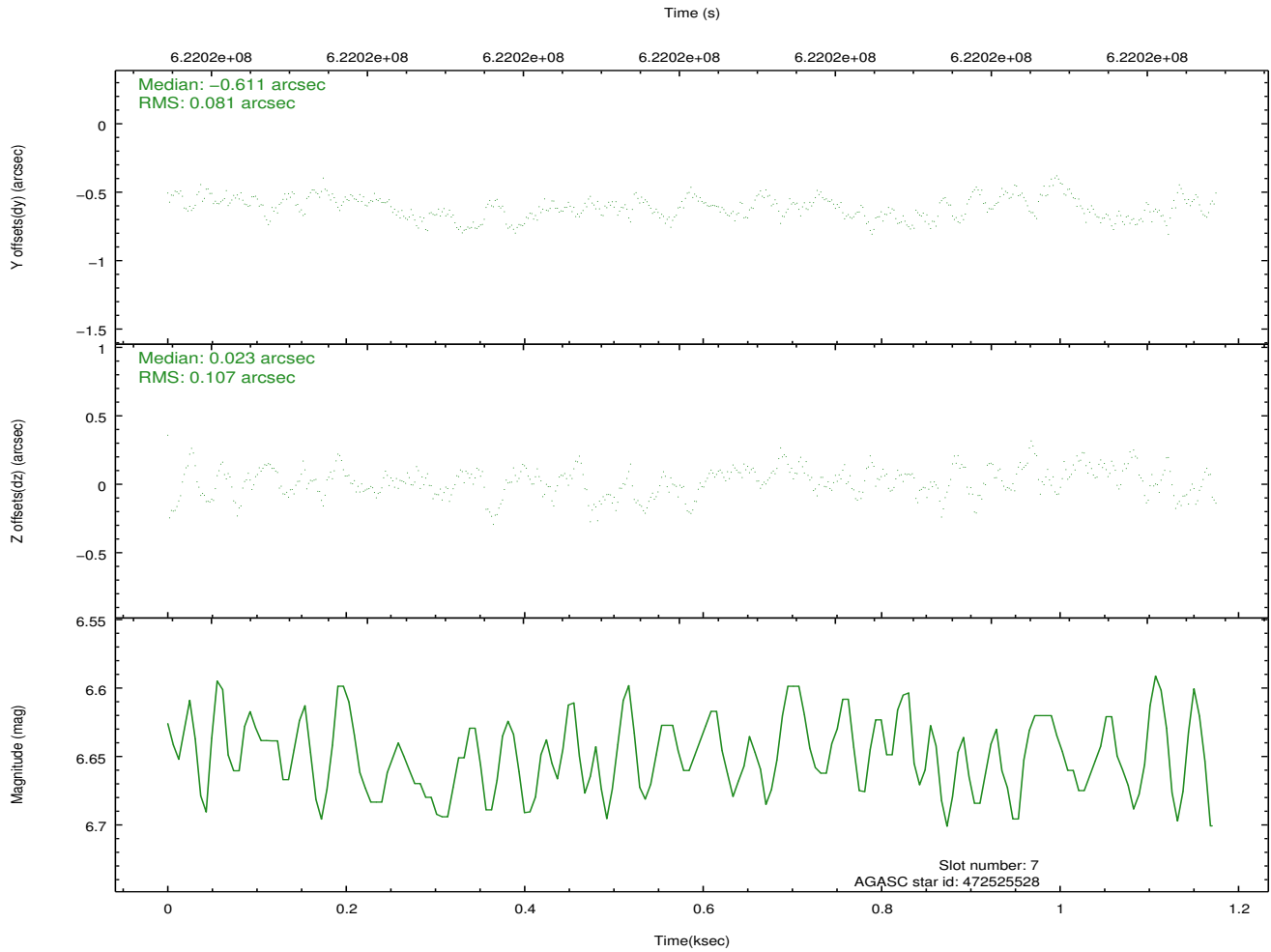
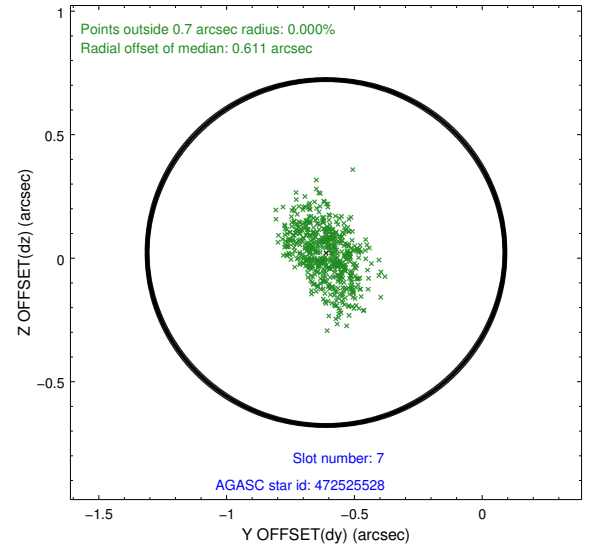
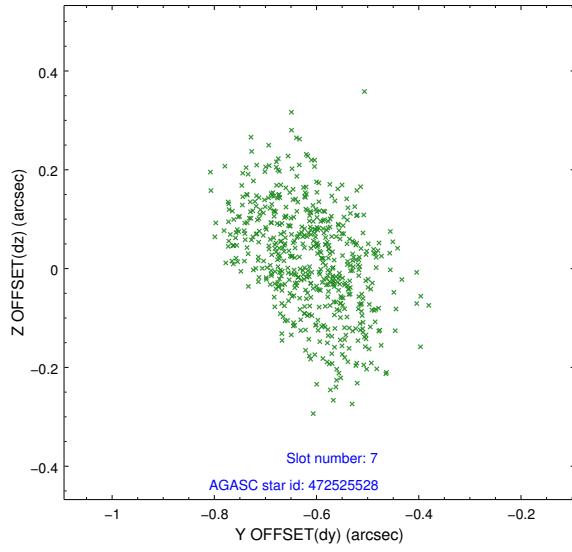
2.4.3 Slot 5



2.4.4 Slot 6

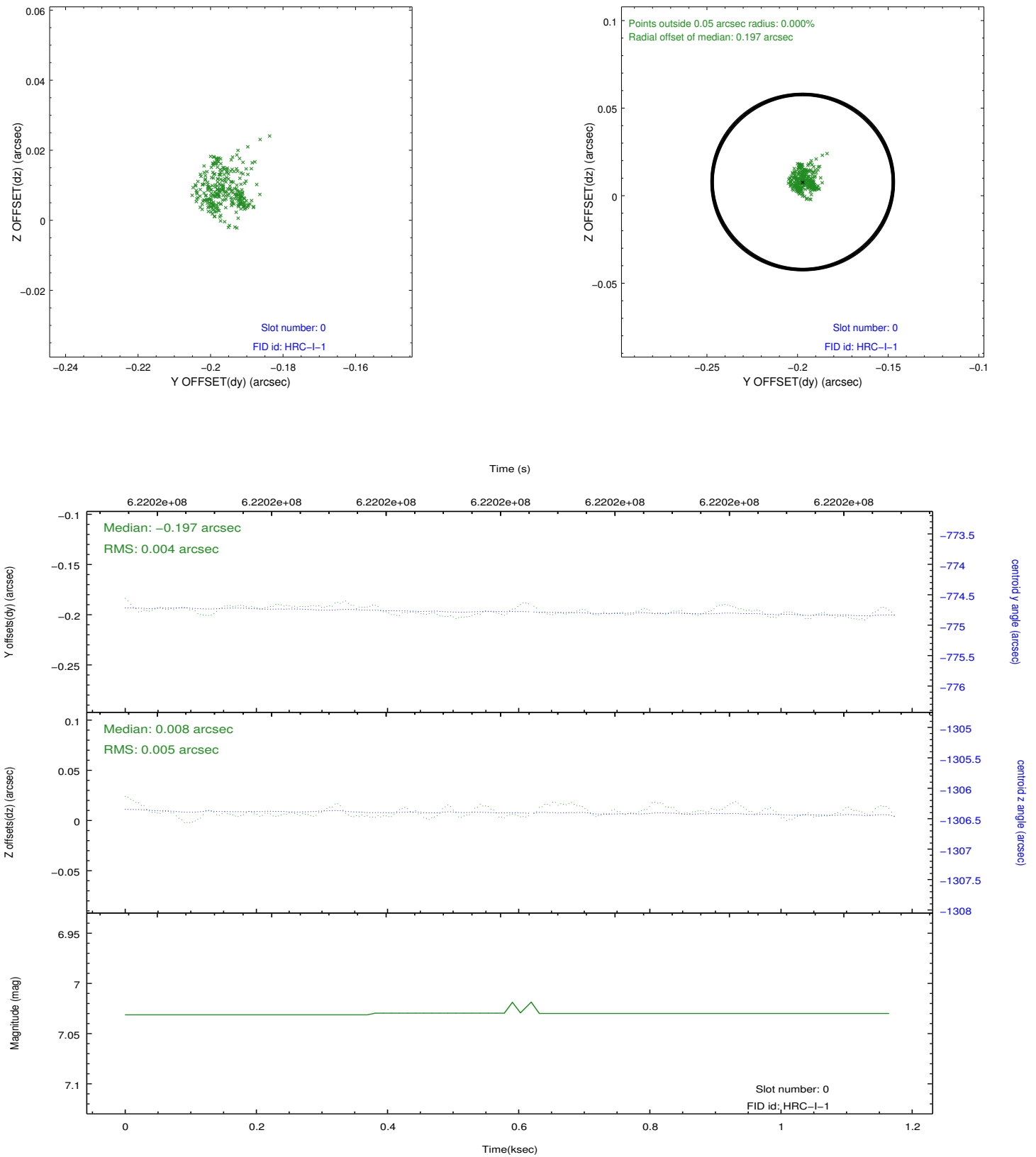


2.4.5 Slot 7

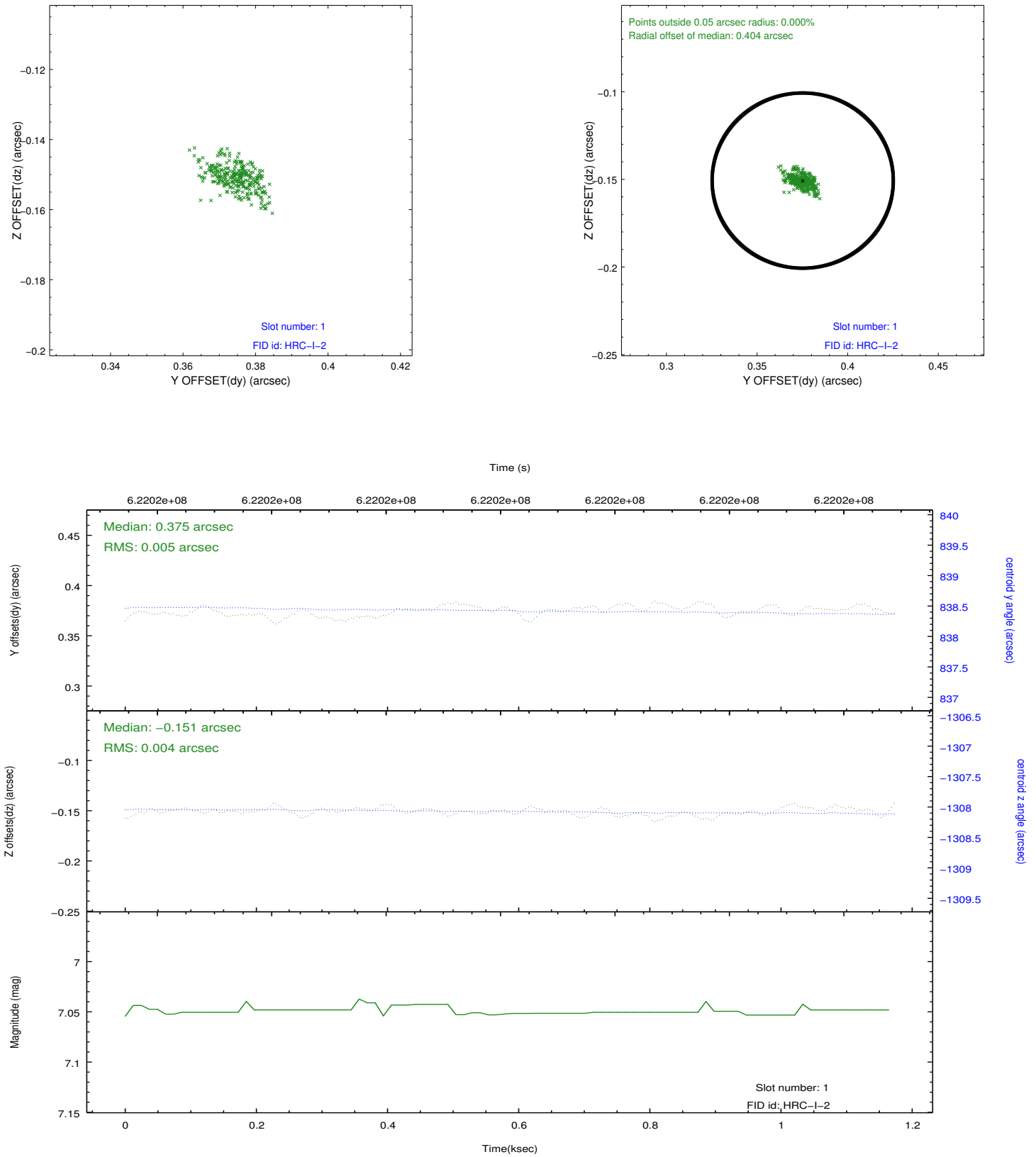


2.5 FID Slots

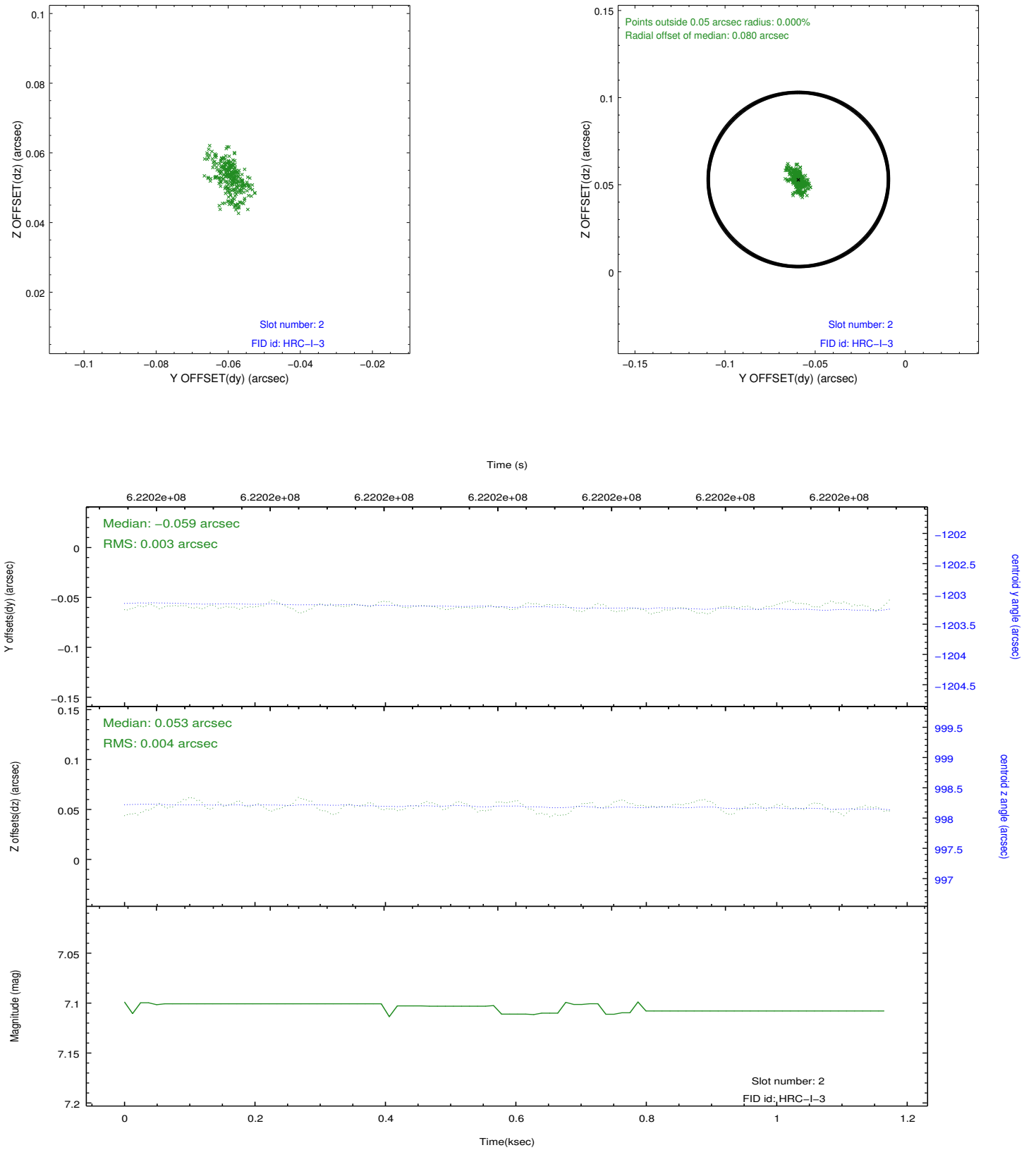
2.5.1 Slot 0



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)	2017.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1759313188791

A.2 Comments