

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18400 - L2 Version 1
Chandra X-Ray Center

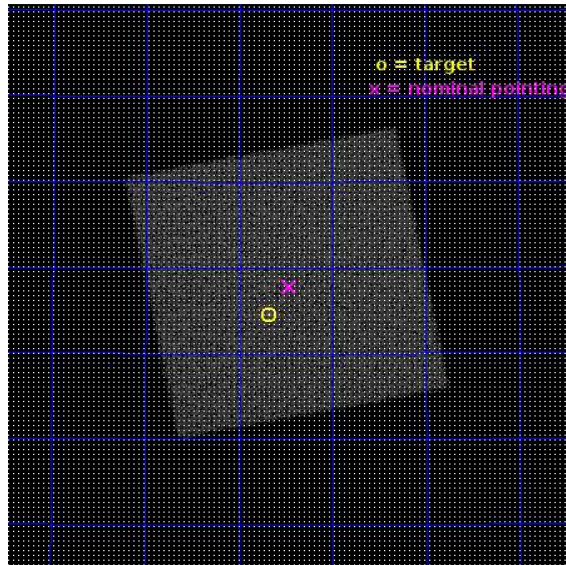
L2 Processing Date : Sep 21 2016

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1 Front

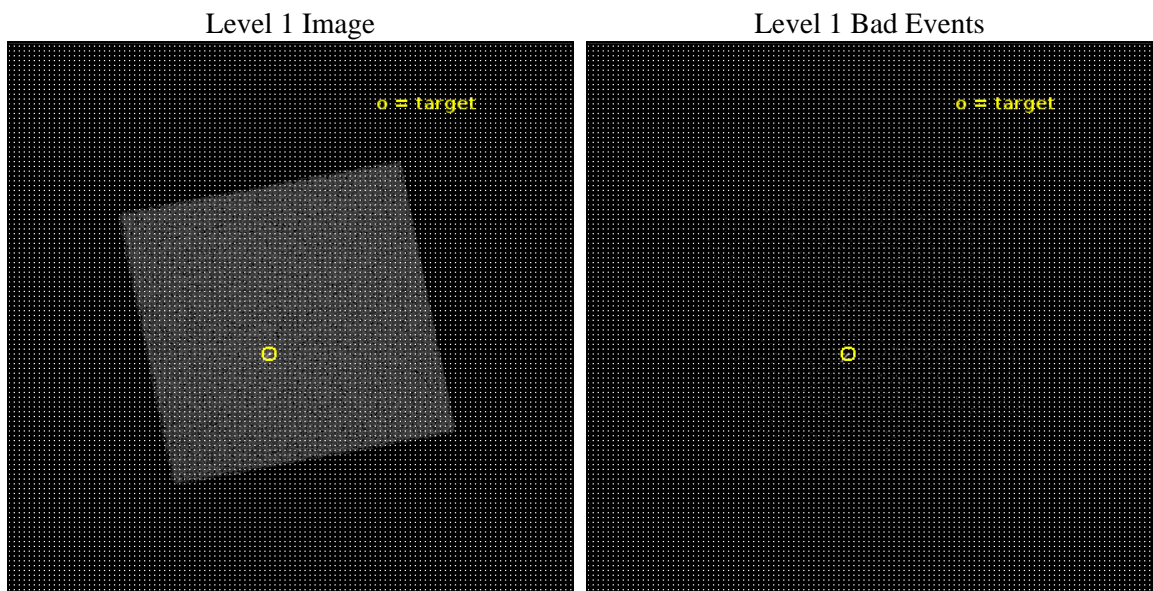
seq_num	291295	Sequence number
obs_id	18400	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.11457441474	Nominal RA [deg]
dec_nom	45.796346032151	Nominal Dec [deg]
roll_nom	213.96684074443	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1188.2313184738	[s]
livetime	1174.3643870617	Ontime multiplied by DTCOR
l2events	118057	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	10.5.1.1	Processing system revision	ontime	1188.2313184738	[s]
caldsver	4.7.2	 	l1events	196898	Number of level 1 events
date	2016-09-21T12:46:14	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

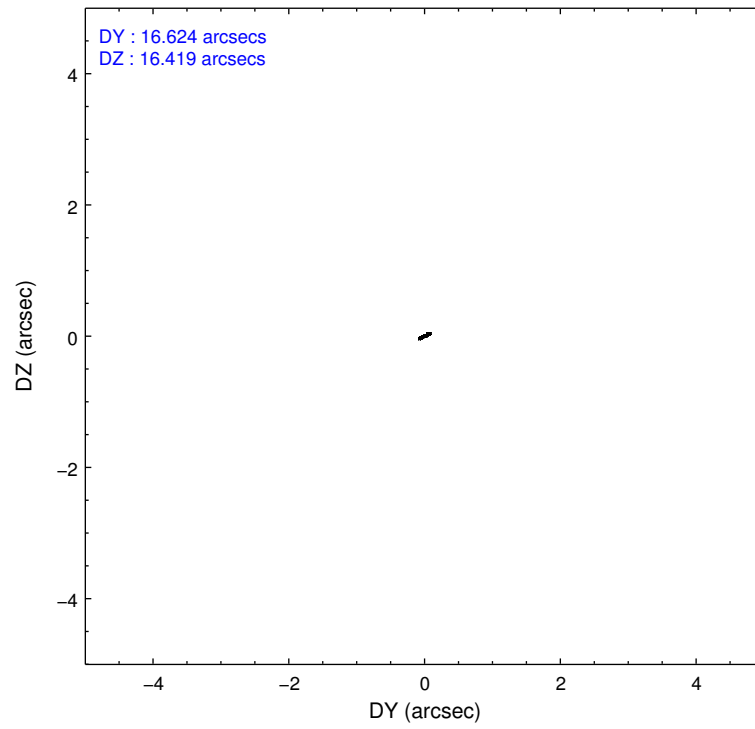
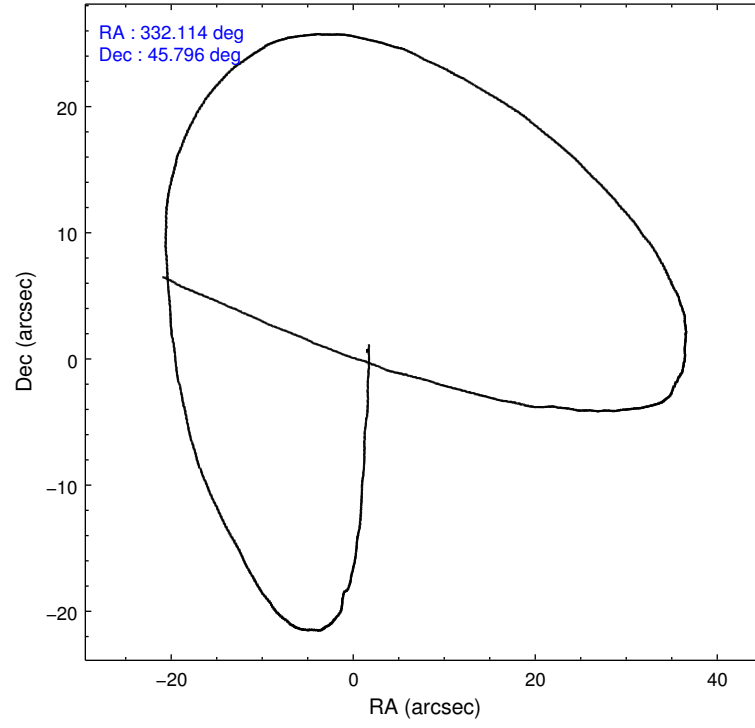
Level 1 Events

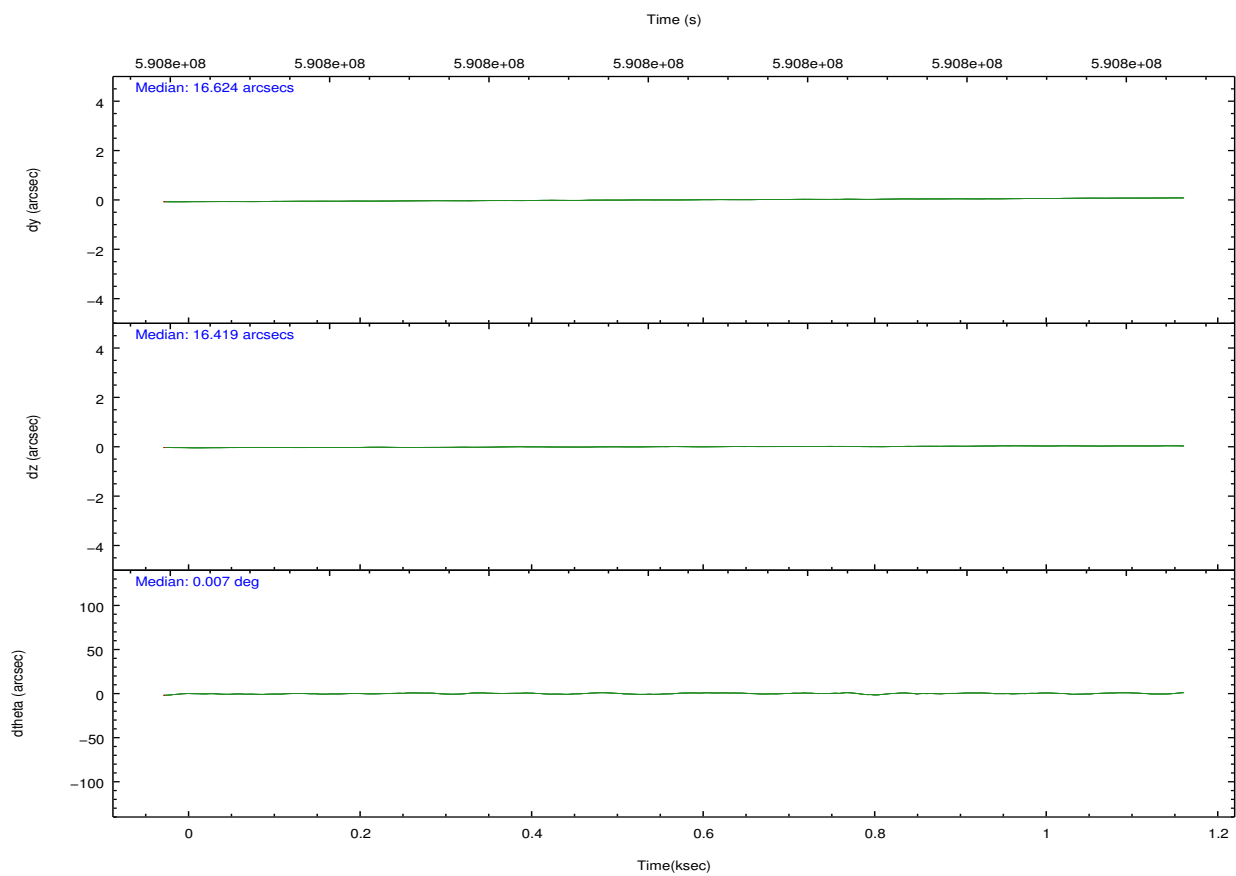
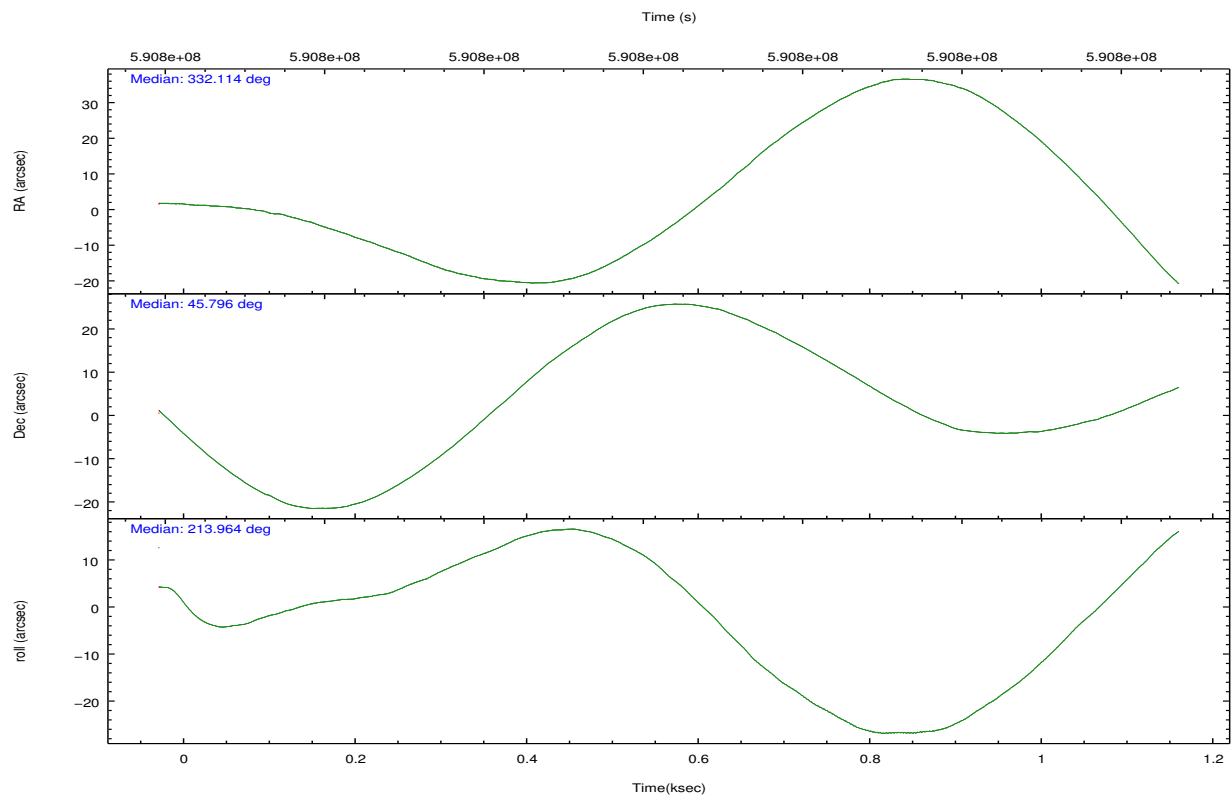
	segment 0
level 1 events	196898
rejected events	42152
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.130281	332.1145744147363			
[deg] Pointing Dec	45.822236	45.79634603215085			
[deg] Pointing Roll	214.050991	213.9668407444274			
[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)	590795617.184000	590795241.35432			
Observation start date	2016-09-20T21:52:29	2016-09-20T21:47:21			
[s] Observation end time (MET)	590796617.184000	590796751.17941			
Observation end date	2016-09-20T22:09:09	2016-09-20T22:12:31			

2.3 Aspect



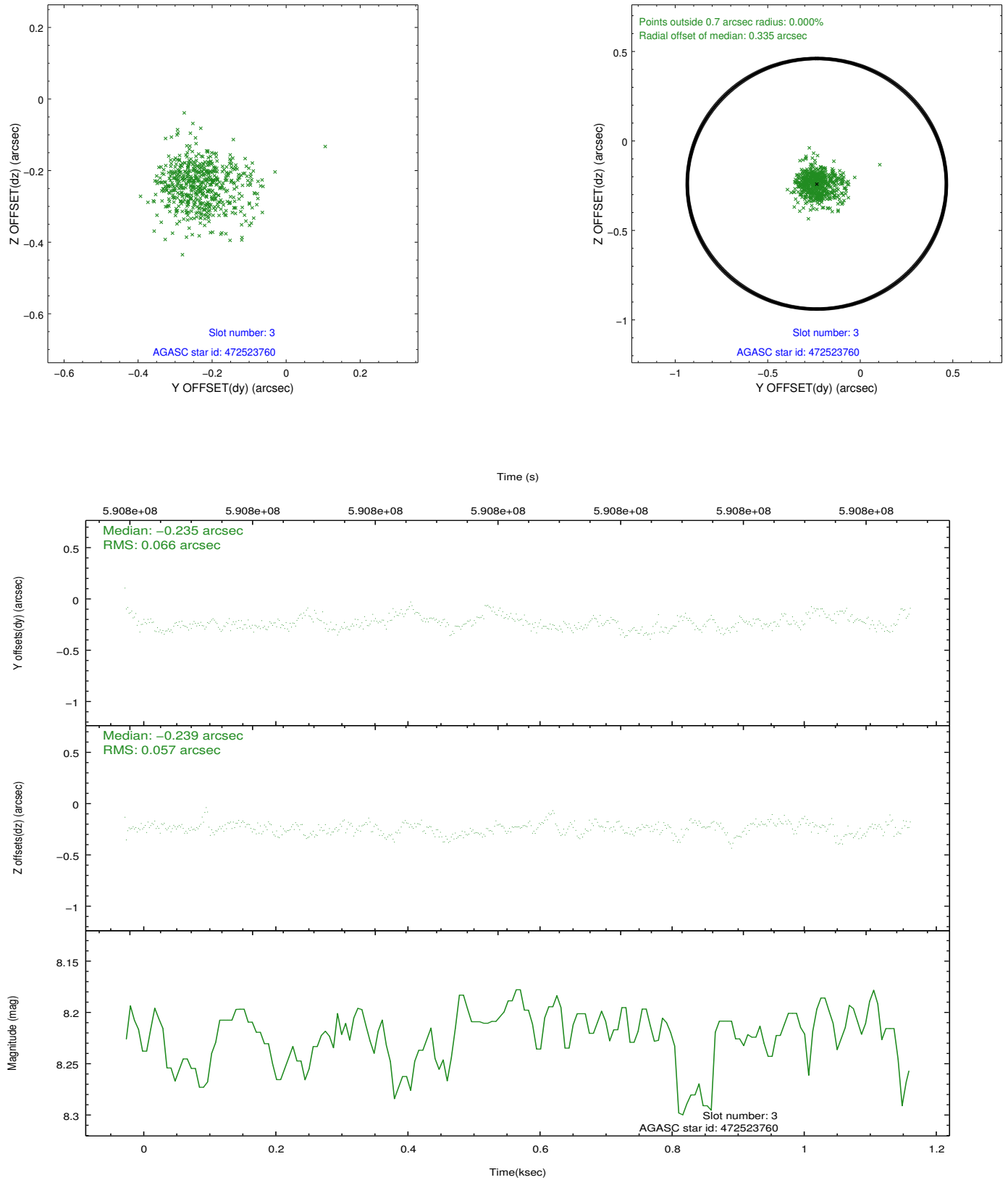


Slot Statistics

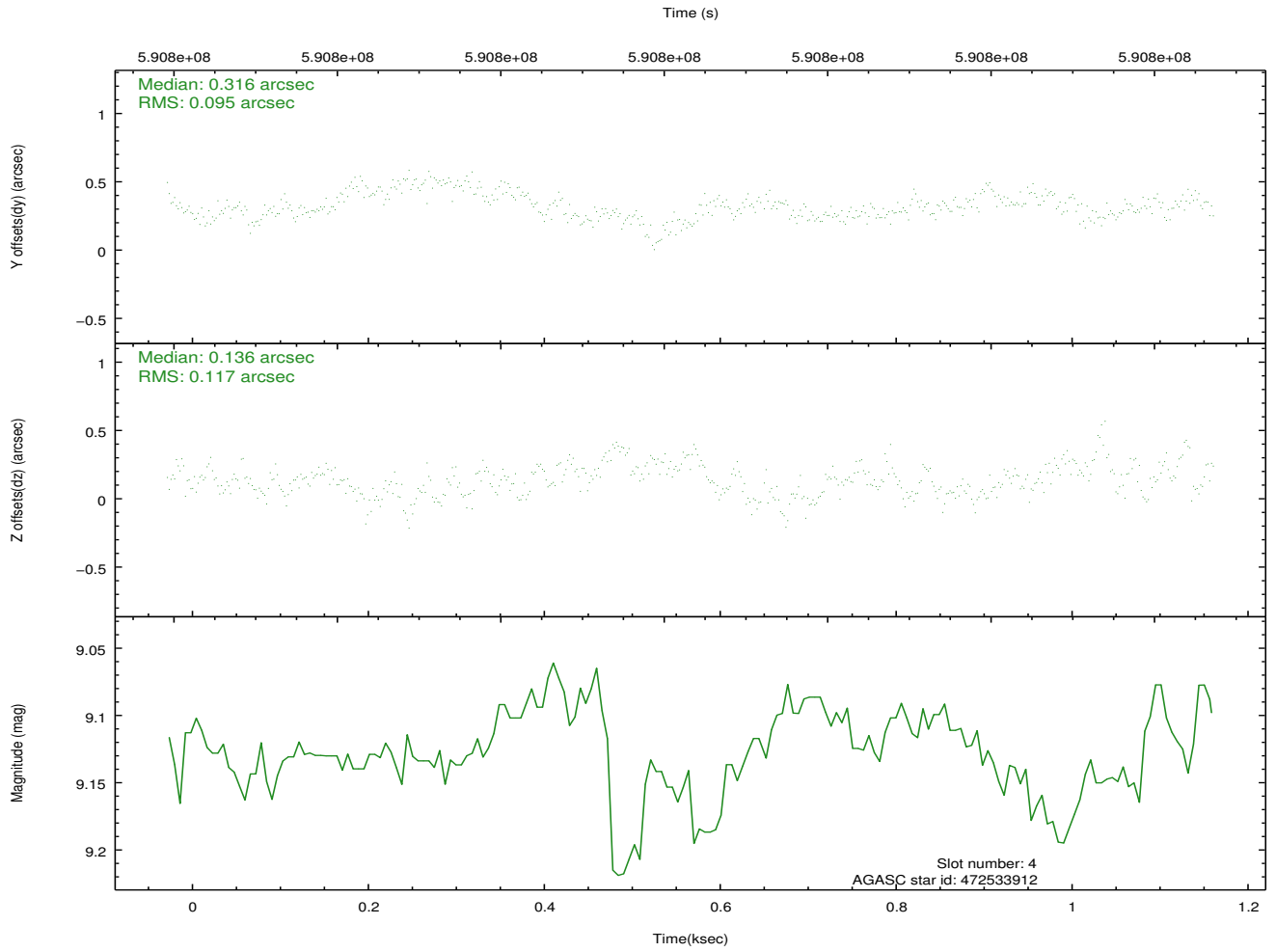
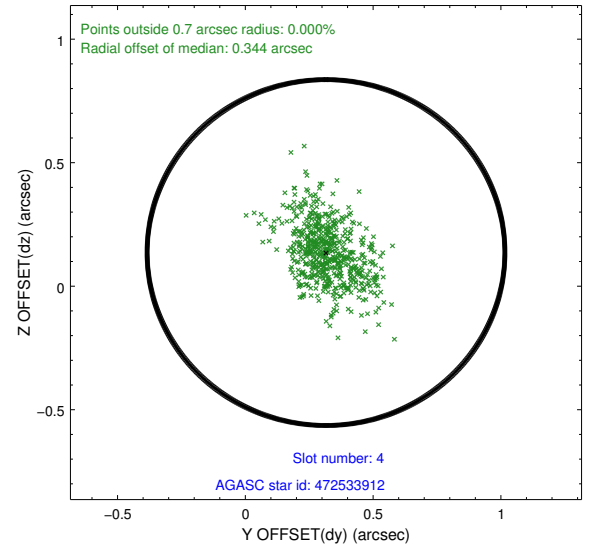
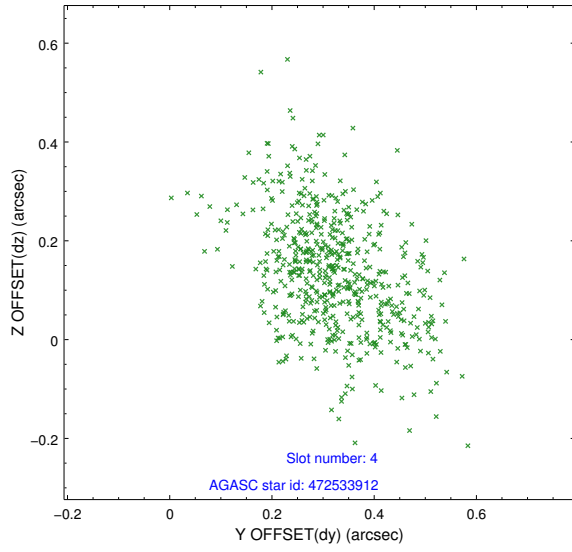
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.06	291	0.099	-0.162	0.006	0.011	0.000000	0.000000	840.30	-1306.25
1	FID		HRC-I-3	7.12	291	-0.326	0.049	0.006	0.010	0.000000	0.000000	-1198.42	995.55
2	FID		HRC-I-4	7.06	291	0.345	0.025	0.006	0.010	0.000000	0.000000	1266.52	1001.11
3	GUIDE	used	472523760	8.22	581	-0.235	-0.239	0.090	0.156	331.645363	45.403260	1857.66	556.28
4	GUIDE	used	472533912	9.13	580	0.316	0.136	0.155	0.267	331.791136	46.368695	-401.16	-2106.04
5	GUIDE	used	472535576	7.86	581	-0.125	0.177	0.123	0.205	331.438373	46.291802	474.42	-2377.85
6	GUIDE	used	472655152	9.41	581	-0.110	-0.254	0.205	0.330	332.504239	45.862991	-859.75	393.44
7	GUIDE	used	472665256	9.00	580	0.168	0.175	0.101	0.173	332.808125	46.195041	-2156.58	-175.37

2.4 Star Slots

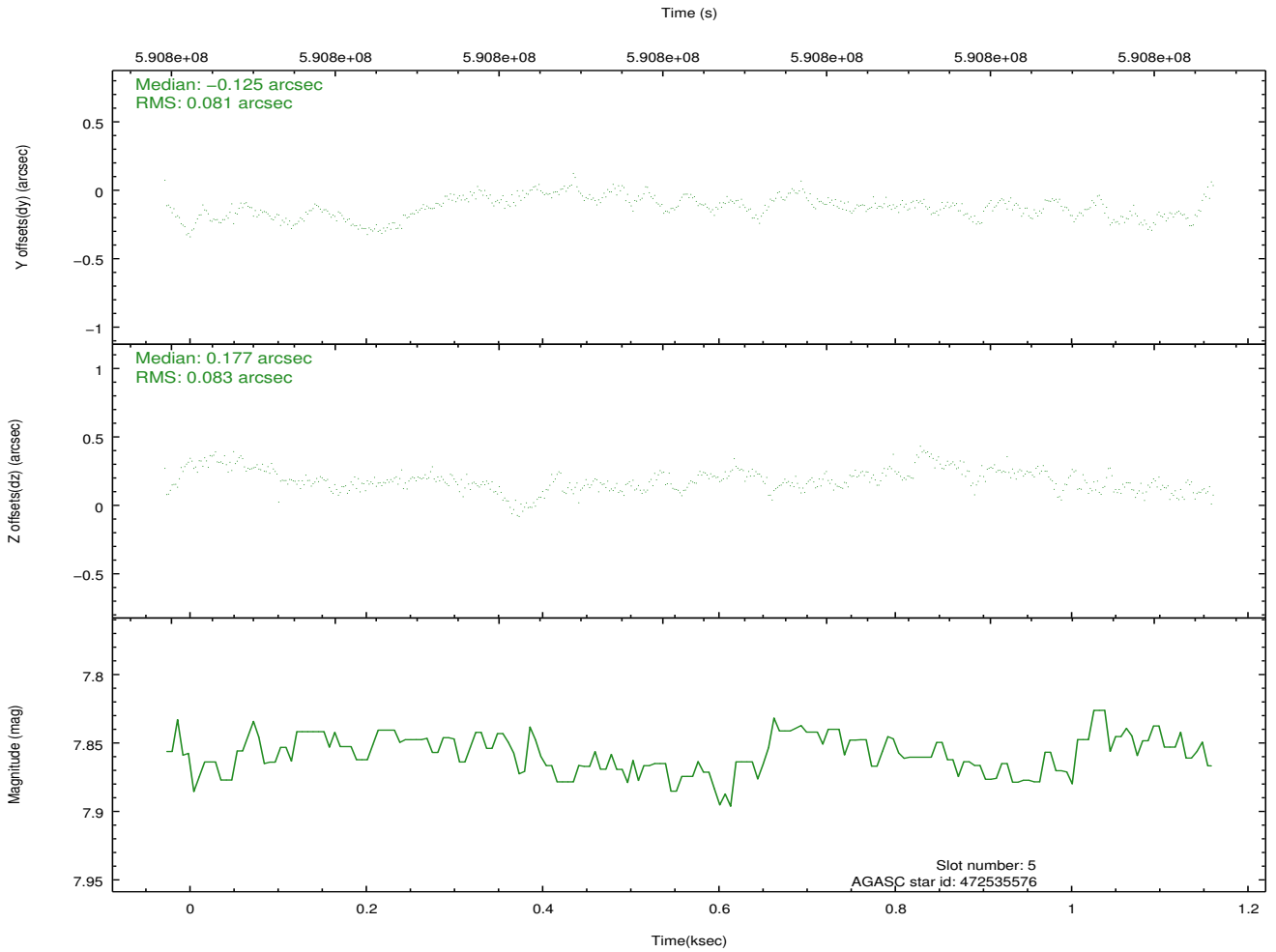
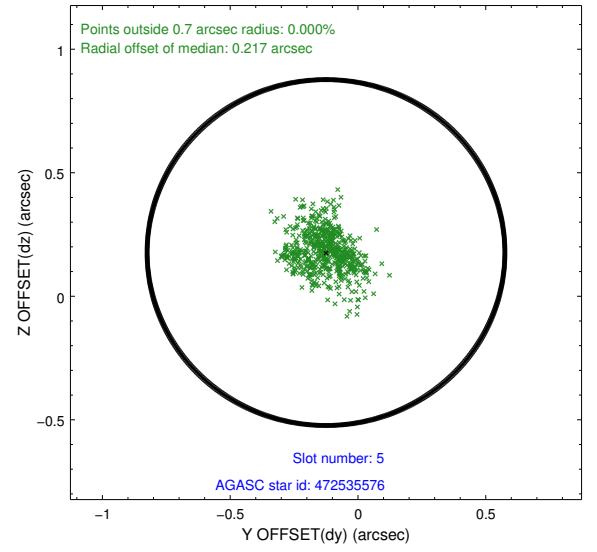
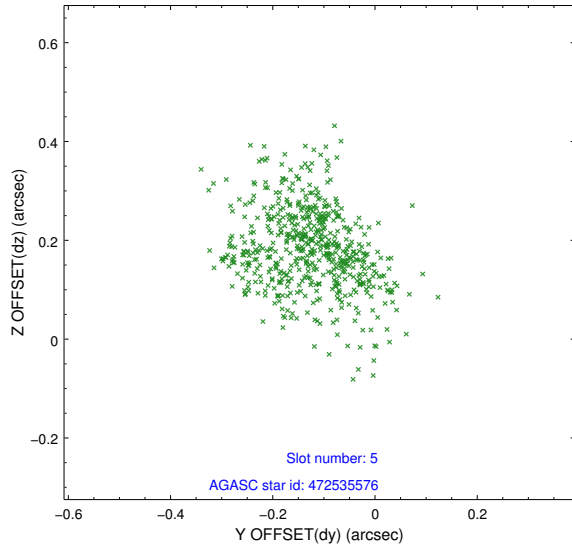
2.4.1 Slot 3



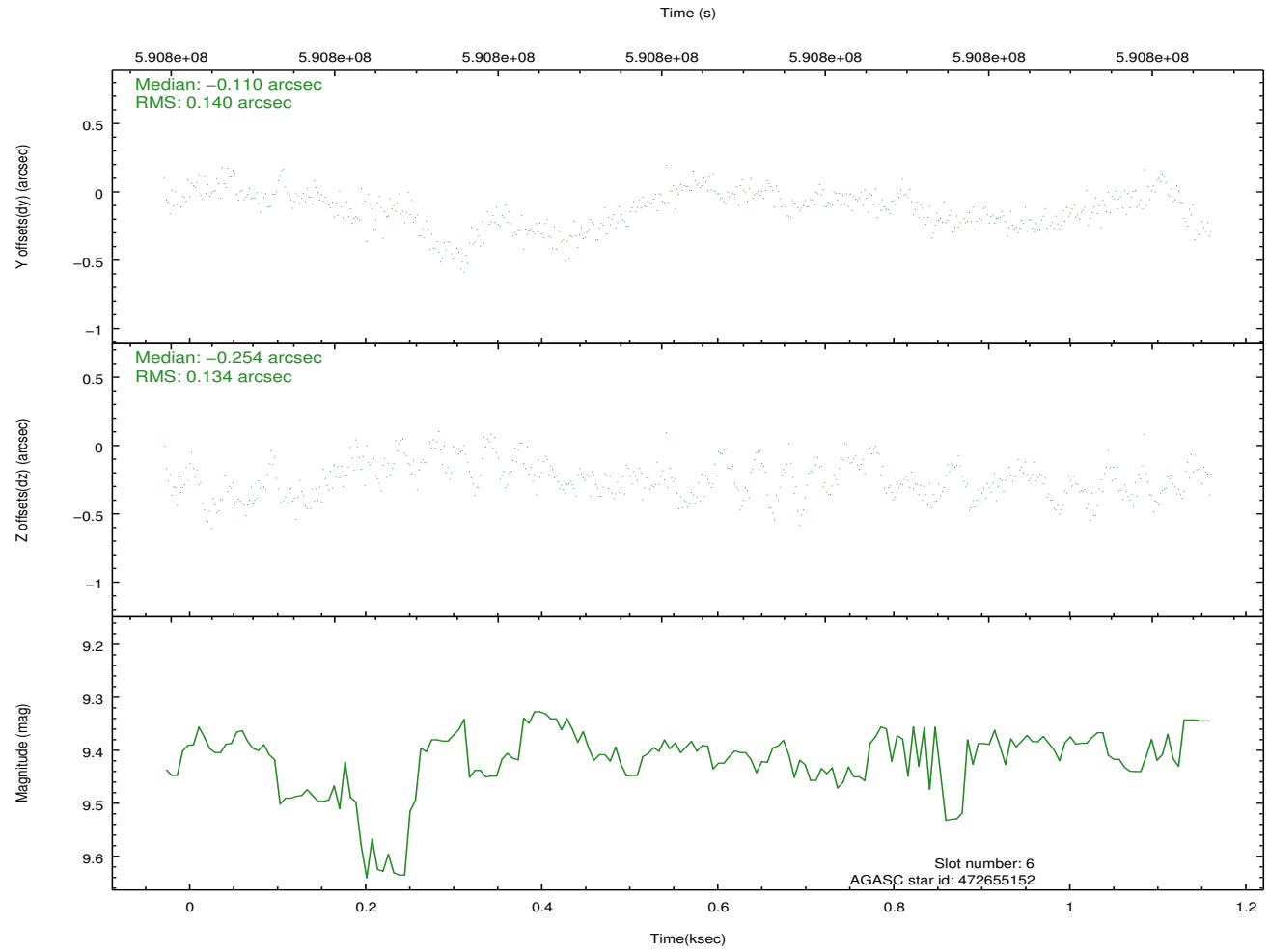
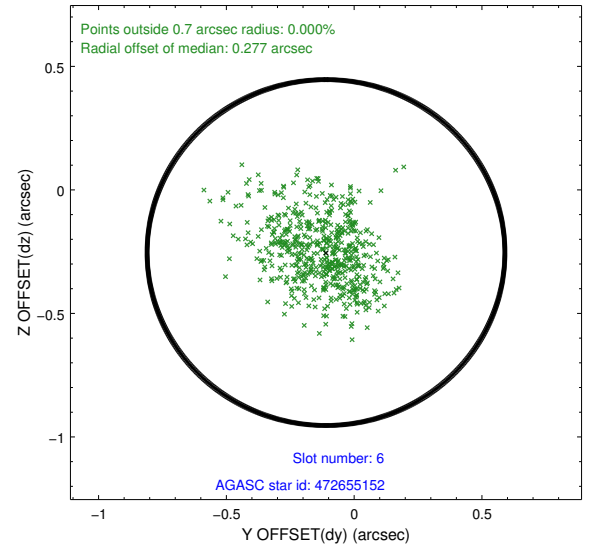
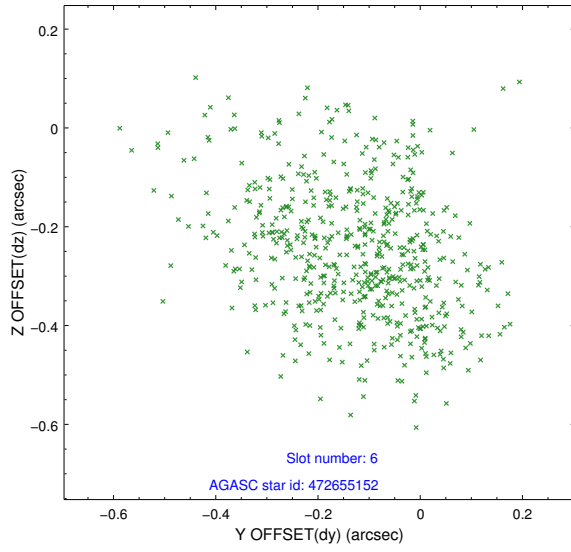
2.4.2 Slot 4



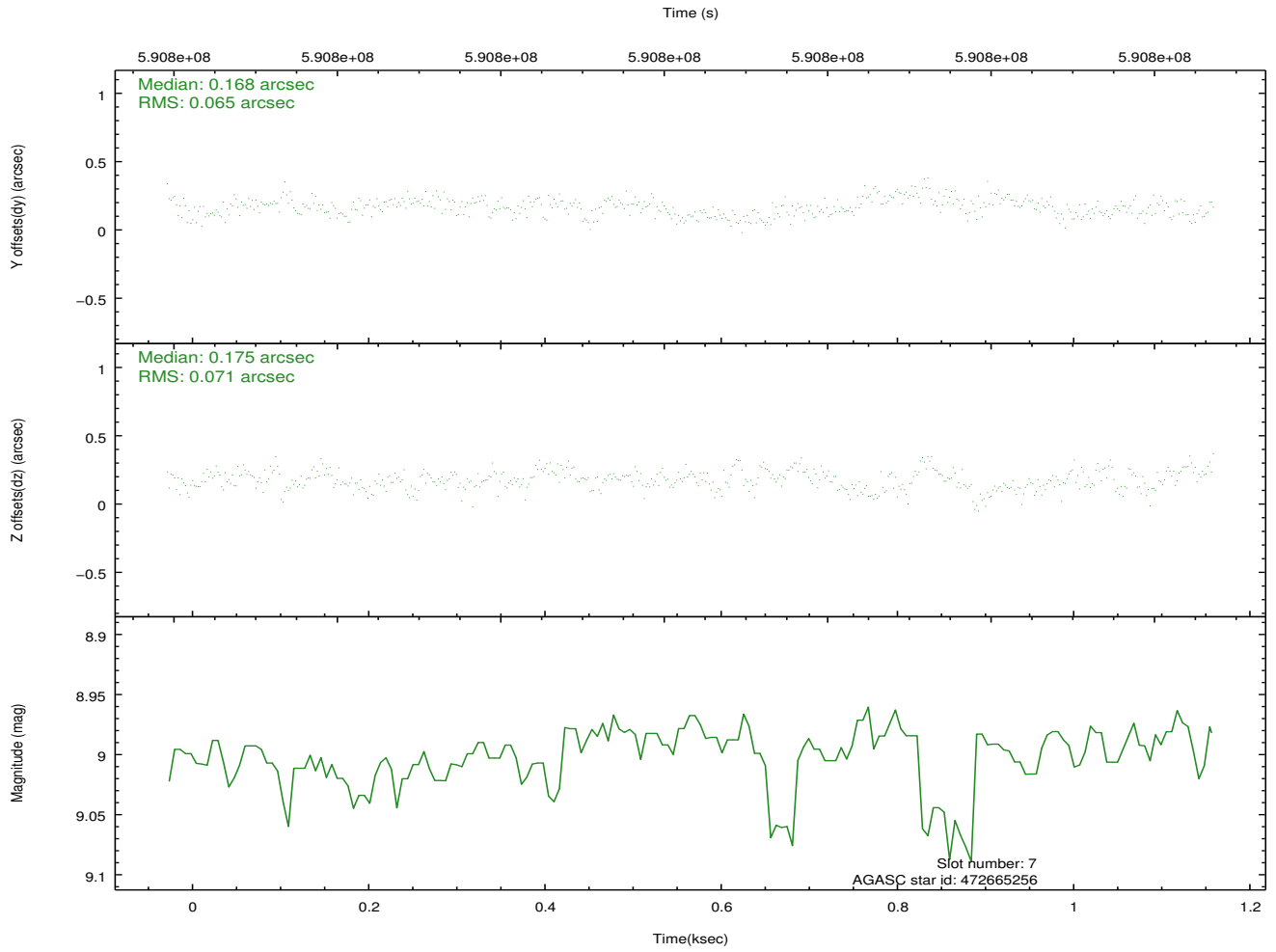
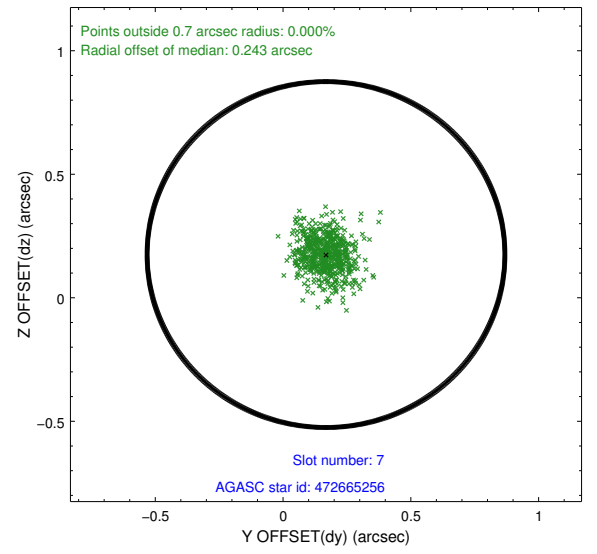
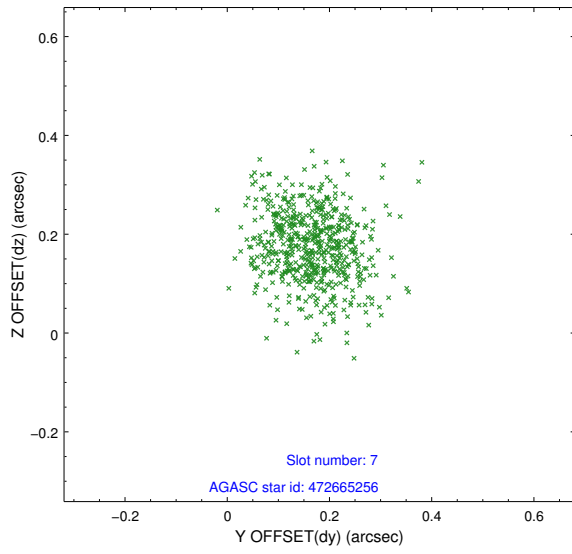
2.4.3 Slot 5



2.4.4 Slot 6

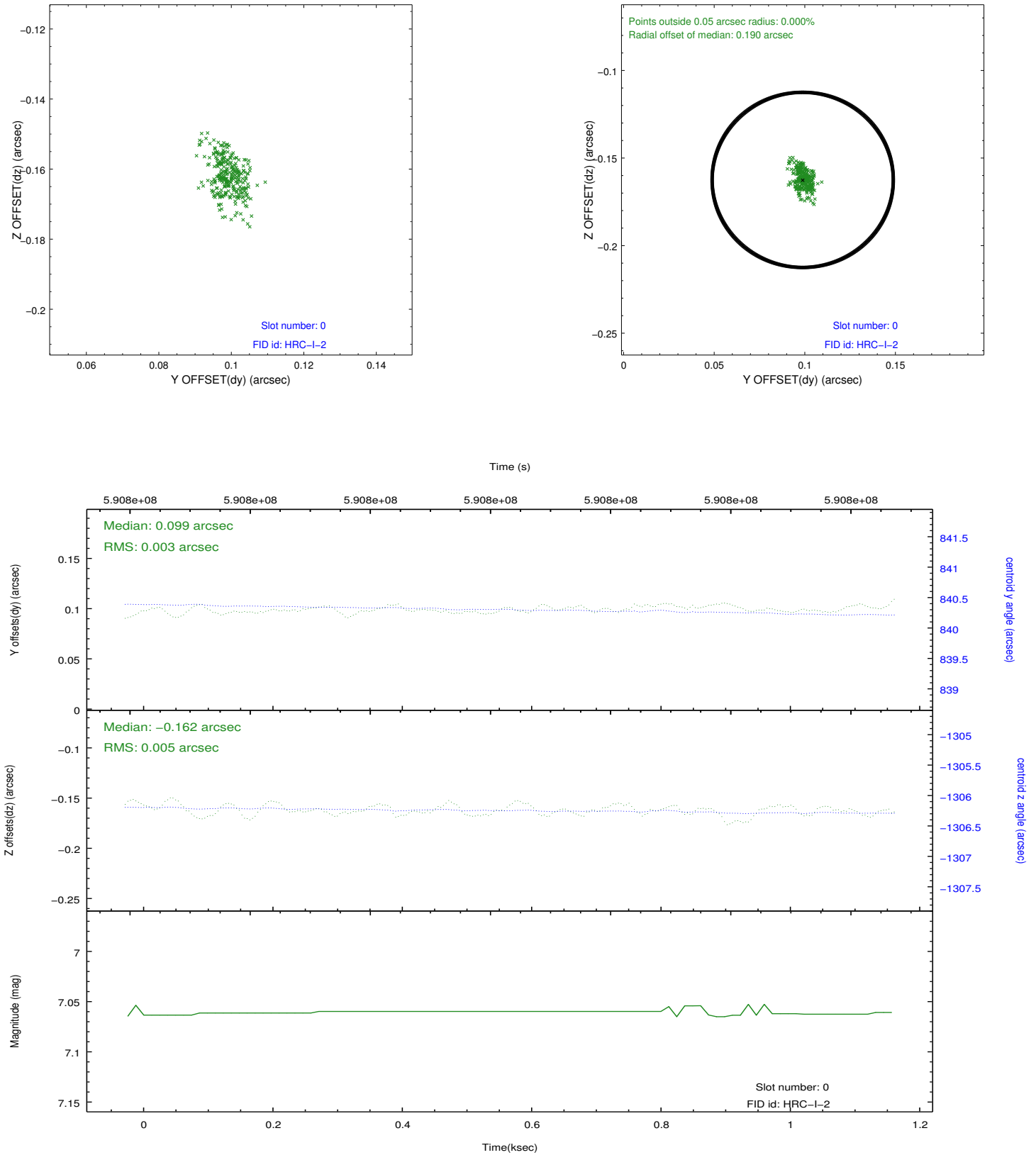


2.4.5 Slot 7

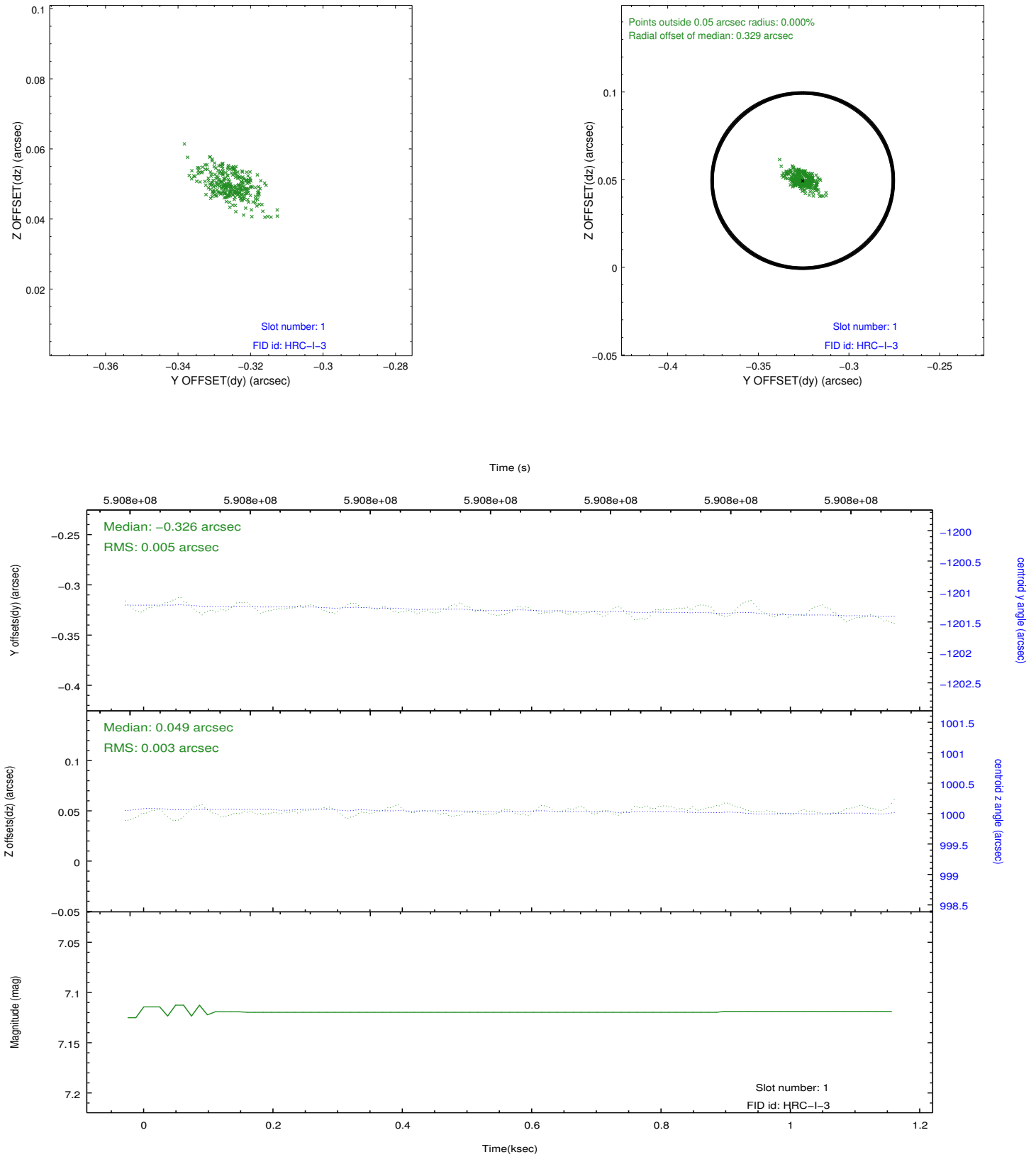


2.5 FID Slots

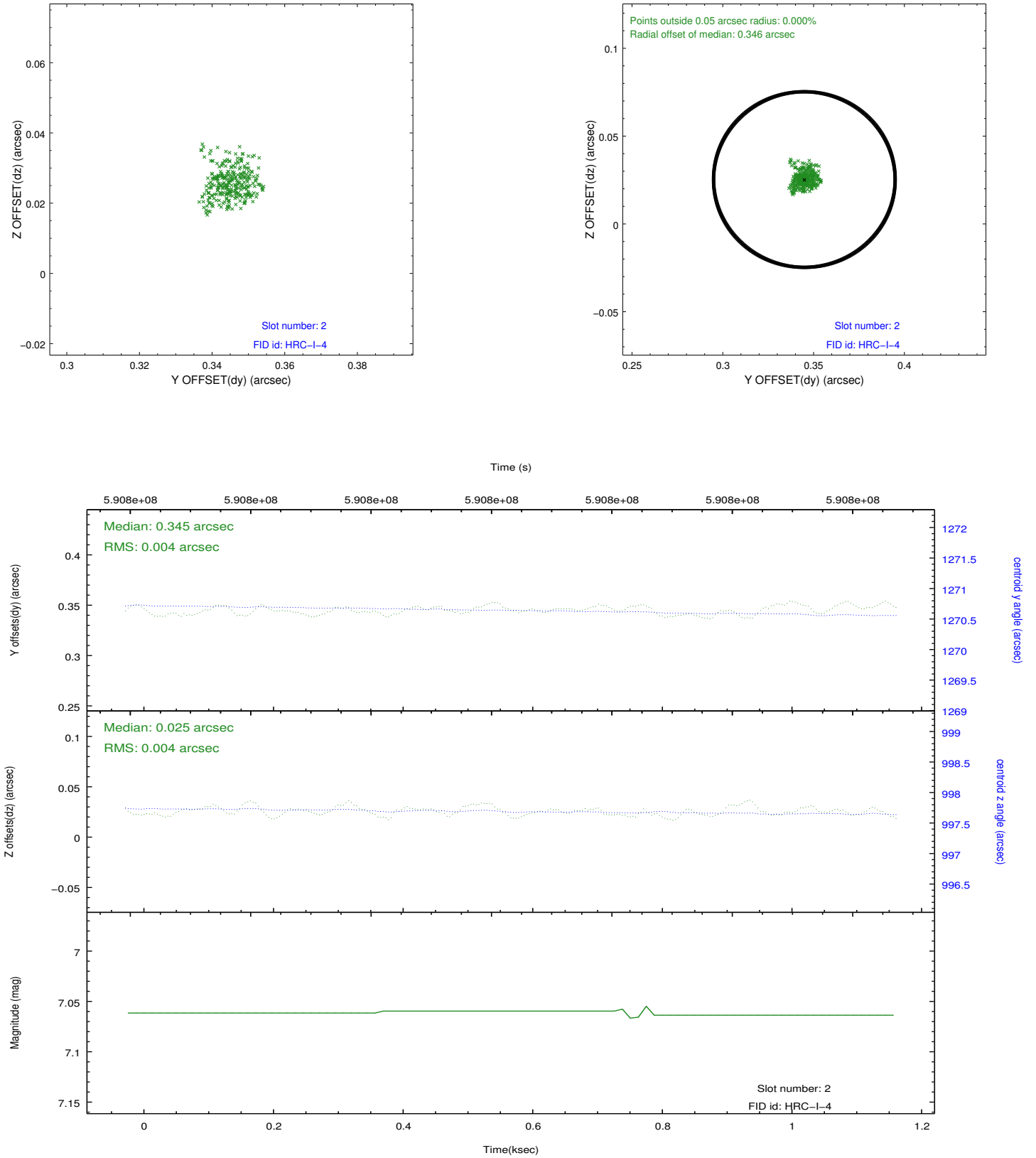
2.5.1 Slot 0



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)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1882313184738

A.2 Comments