

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19823 - L2 Version 1
Chandra X-Ray Center

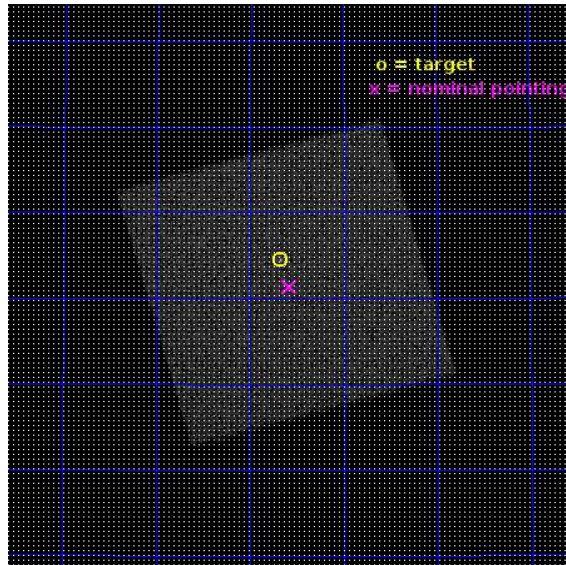
L2 Processing Date : Sep 17 2017

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1 Front

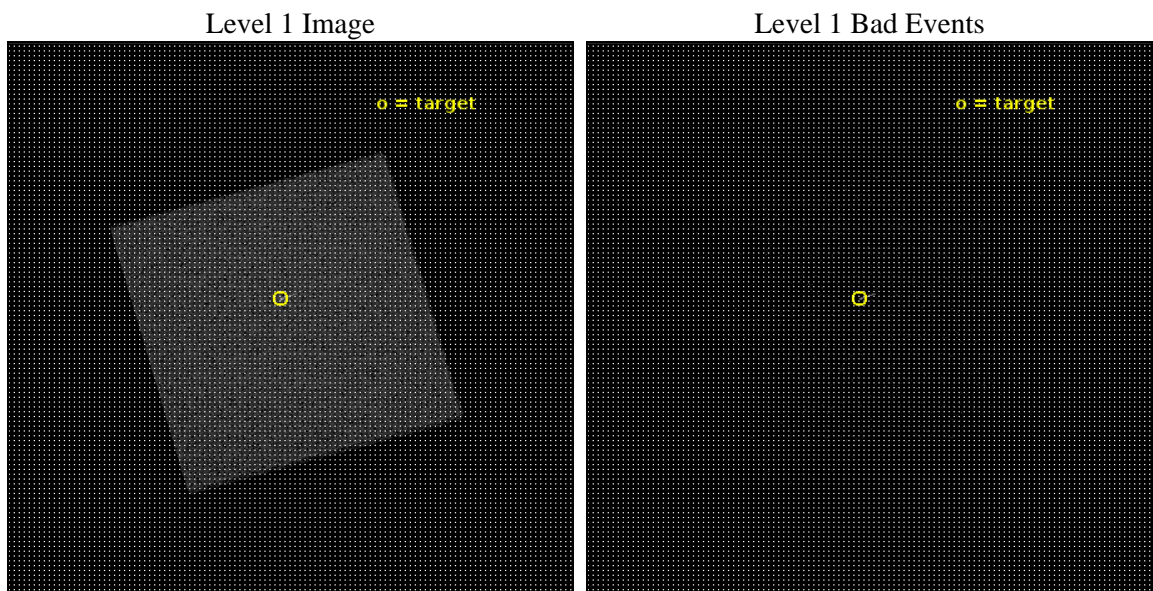
seq_num	291340	Sequence number
obs_id	19823	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.14507094881	Nominal RA [deg]
dec_nom	45.690382839005	Nominal Dec [deg]
roll_nom	209.11606974942	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1173.8813186884	[s]
livetime	1159.054315505	Ontime multiplied by DTCOR
l2events	130569	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	1173.8813186884	[s]
caldsver	4.7.6	 	l1events	218209	Number of level 1 events
date	2017-09-17T15:29:25	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

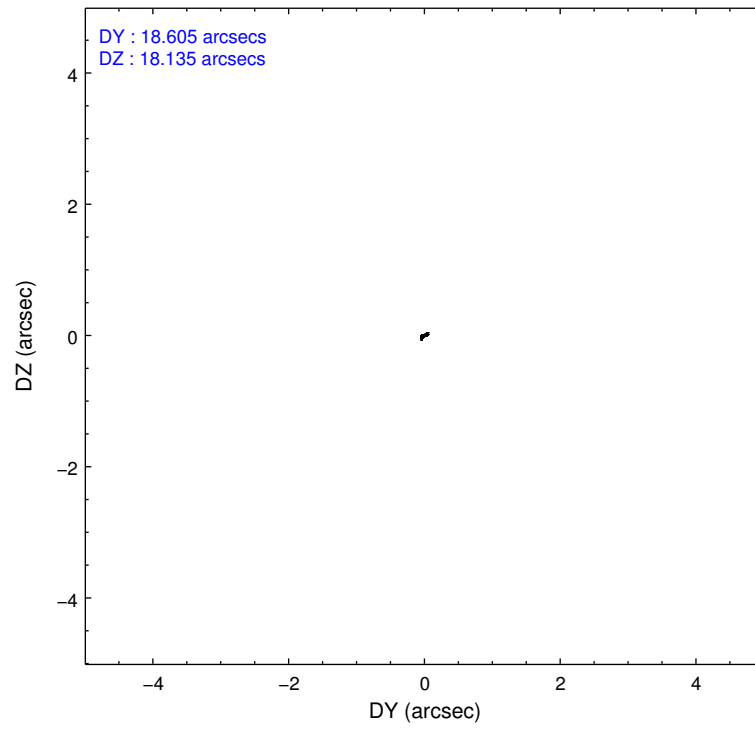
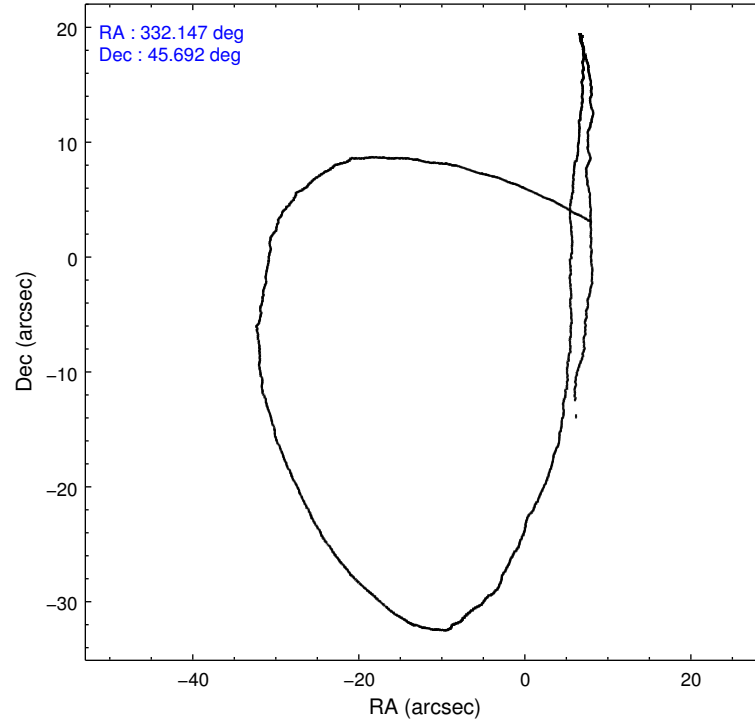
	segment 0
level 1 events	218209
rejected events	48192
rejected %	22%

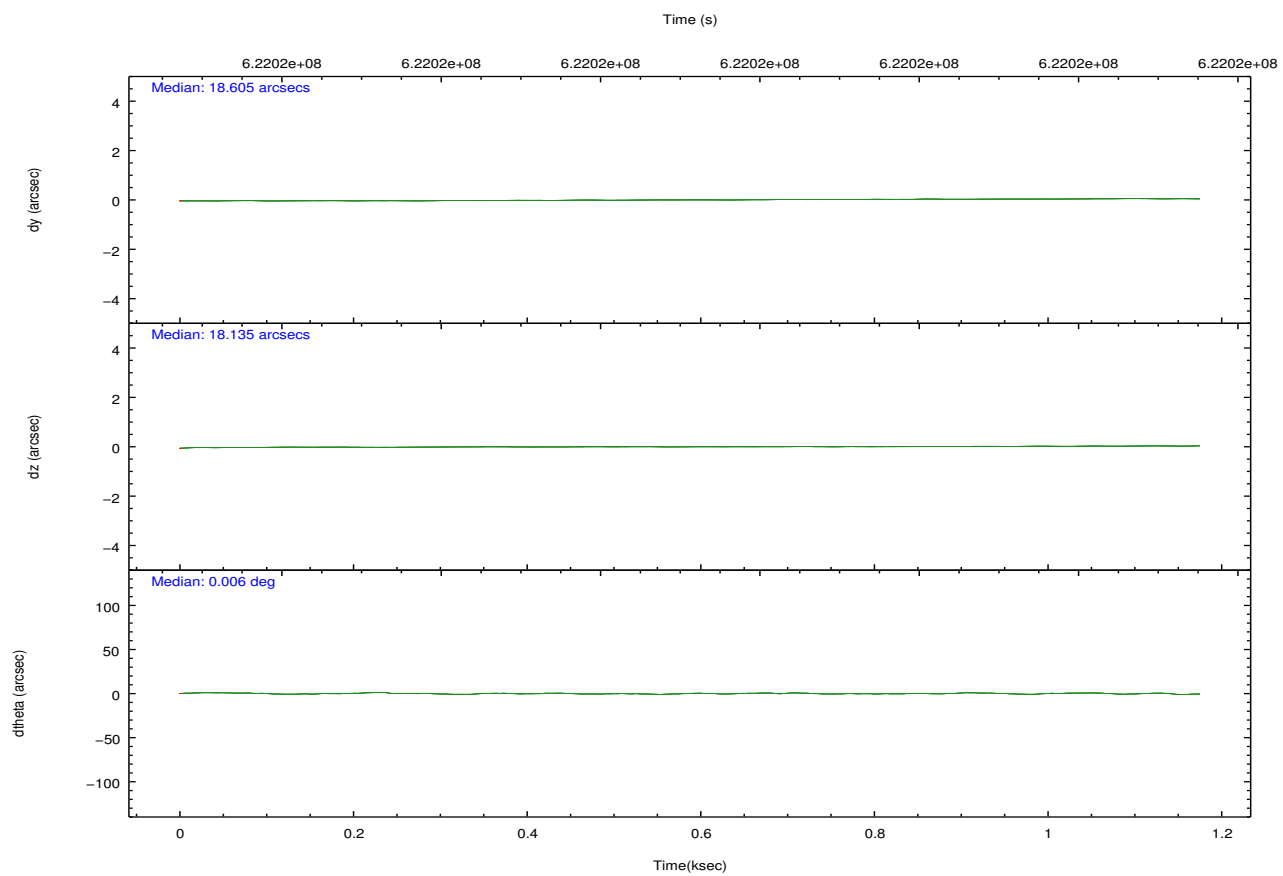
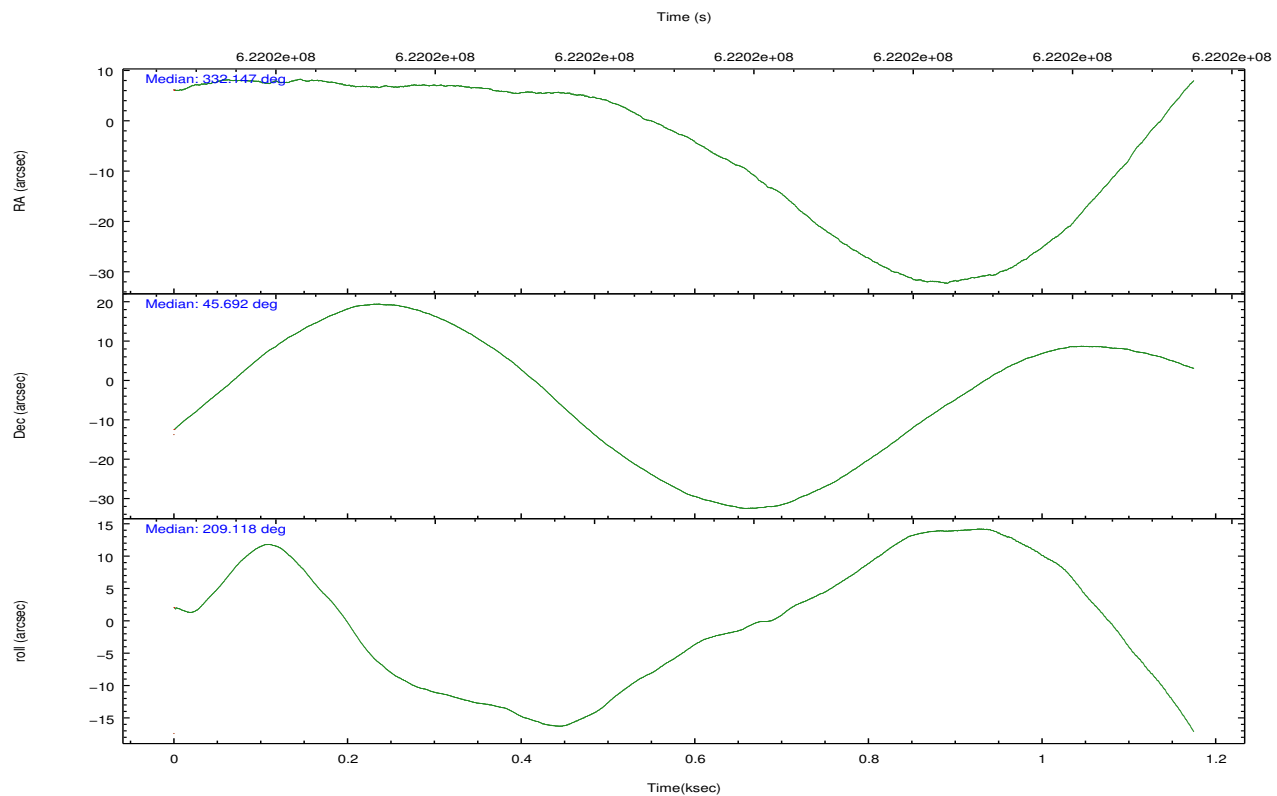
2.2 Compared Parameters

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	332.164898	332.1450709488117
[deg] Pointing Dec	45.713130	45.69038283900493
[deg] Pointing Roll	209.197263	209.1160697494193
[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)	622017698.184000	622017322.29118
Observation start date	2017-09-17T06:40:29	2017-09-17T06:35:22
[s] Observation end time (MET)	622018698.184000	622018832.1162699
Observation end date	2017-09-17T06:57:09	2017-09-17T07:00:32

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

2.3 Aspect



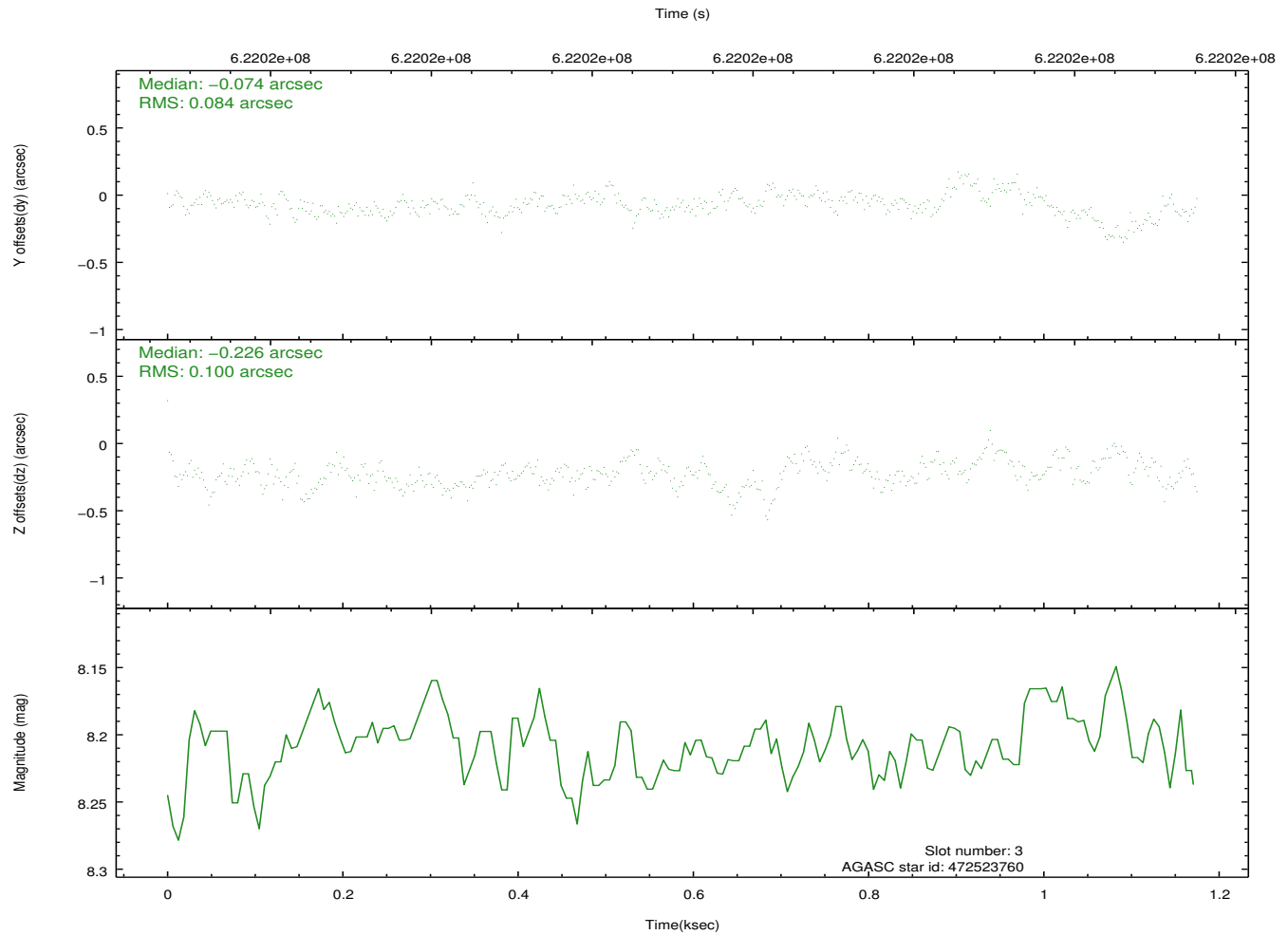
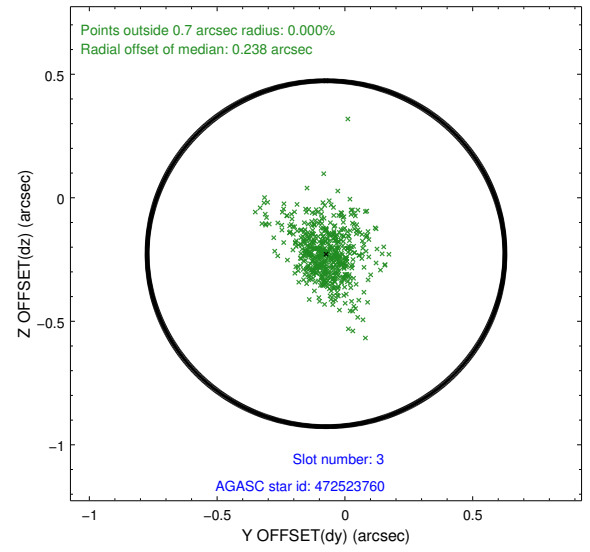
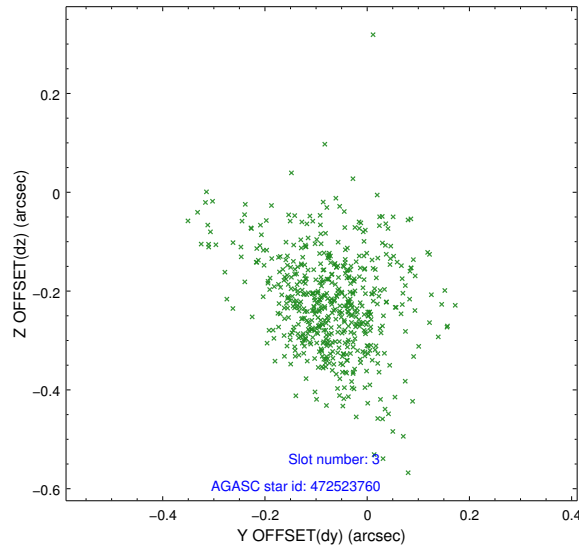


Slot Statistics

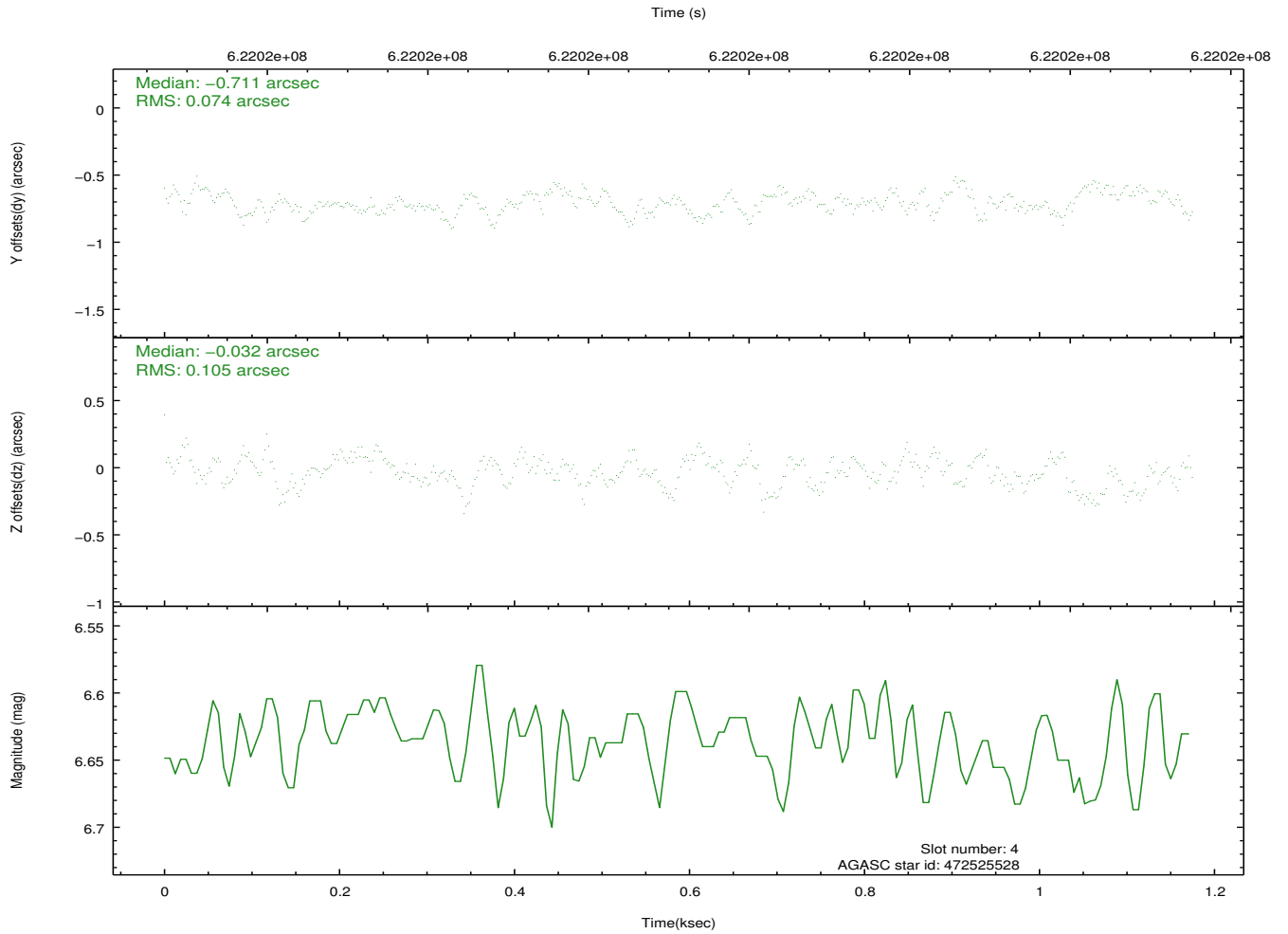
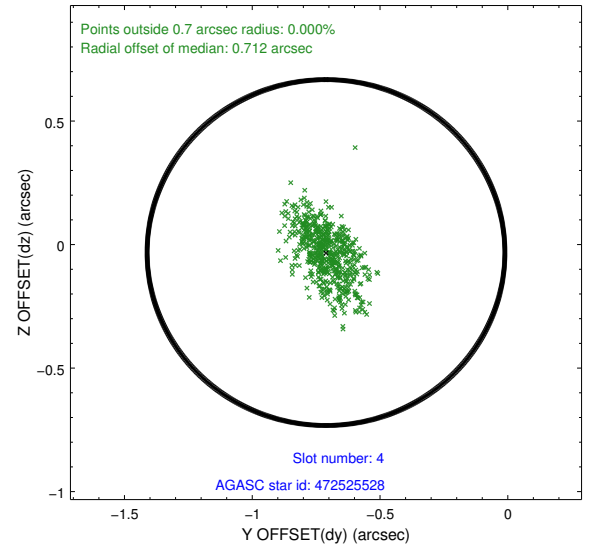
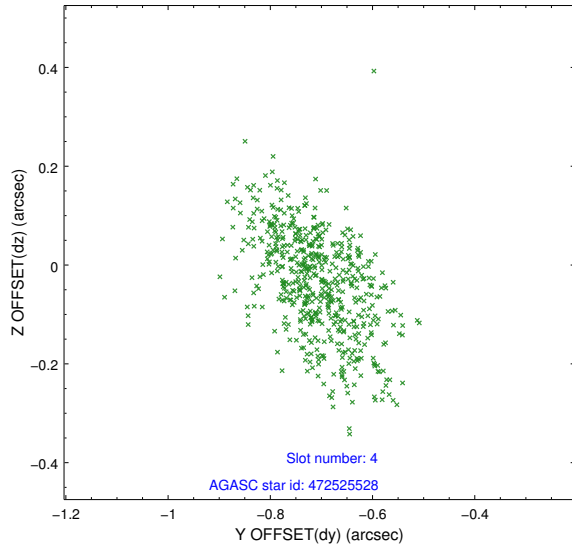
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	287	-0.189	0.004	0.012	0.018	0.000000	0.000000	-774.64	-1306.33
1	FID		HRC-I-2	7.05	287	0.371	-0.155	0.007	0.013	0.000000	0.000000	835.85	-1312.55
2	FID		HRC-I-3	7.11	287	-0.064	0.061	0.008	0.013	0.000000	0.000000	-1200.18	993.70
3	GUIDE	used	472523760	8.21	574	-0.074	-0.226	0.127	0.240	331.645363	45.403260	1689.41	333.29
4	GUIDE	used	472525528	6.64	574	-0.711	-0.032	0.133	0.229	331.551102	45.248694	2173.83	700.01
5	GUIDE	used	472651904	6.13	574	0.034	-0.002	0.141	0.222	332.170077	45.742257	-57.48	-81.11
6	GUIDE	used	472665256	8.96	574	0.558	0.060	0.139	0.236	332.808125	46.195041	-2247.44	-734.13
7	GUIDE	used	472659832	9.39	572	0.159	0.226	0.218	0.331	332.780399	46.098139	-2023.28	-462.52

2.4 Star Slots

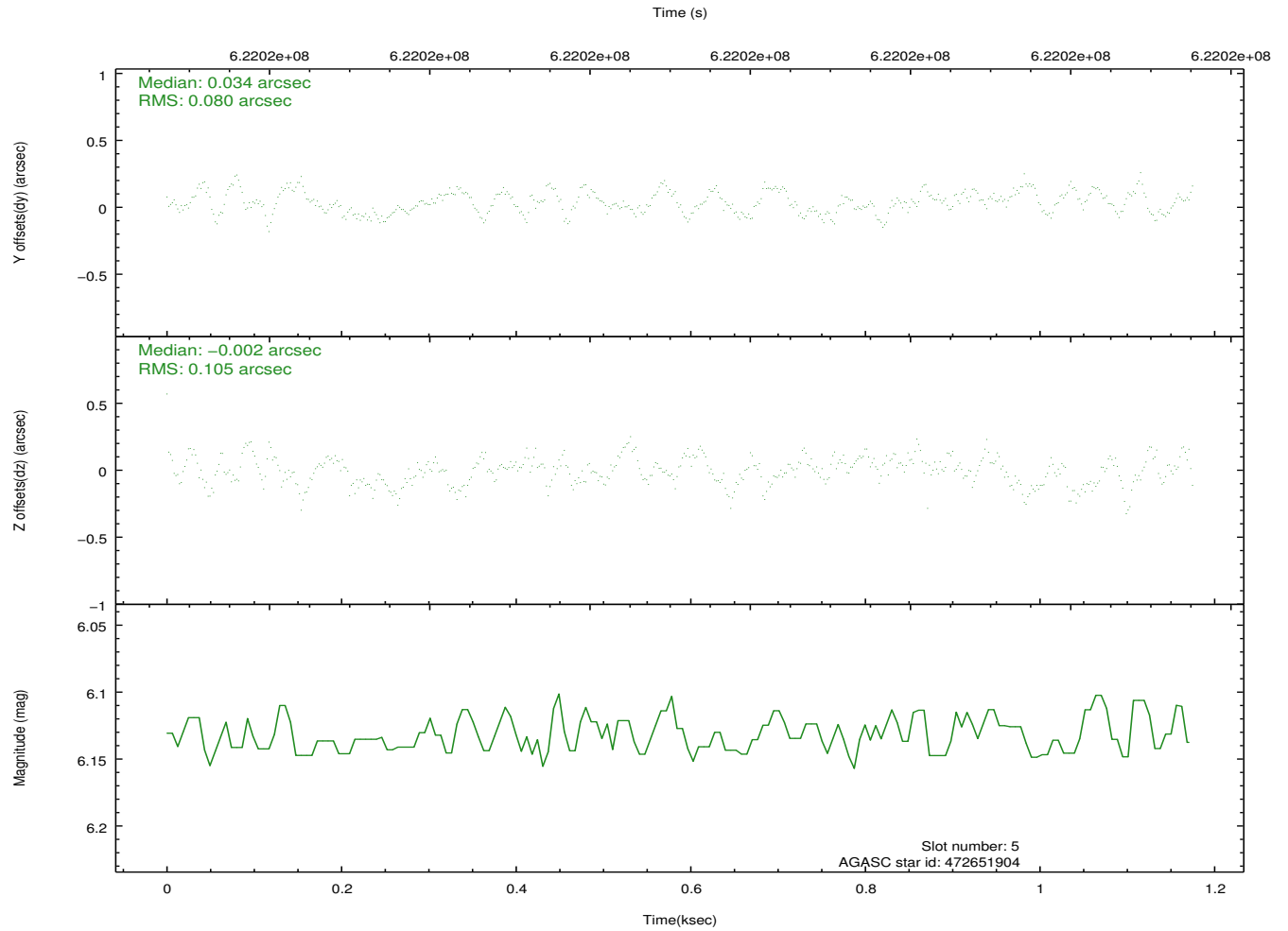
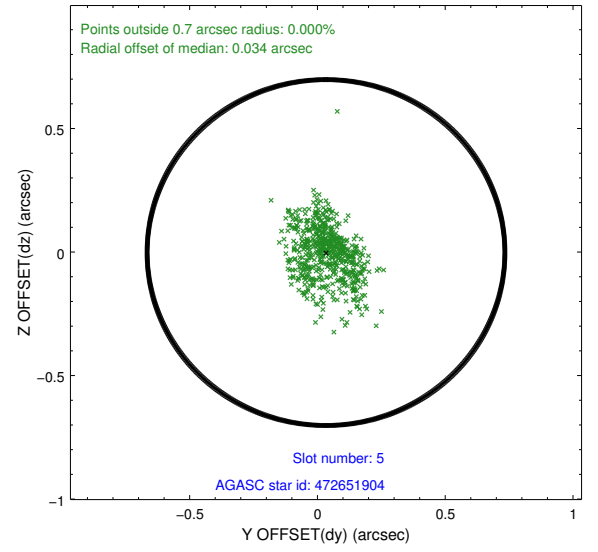
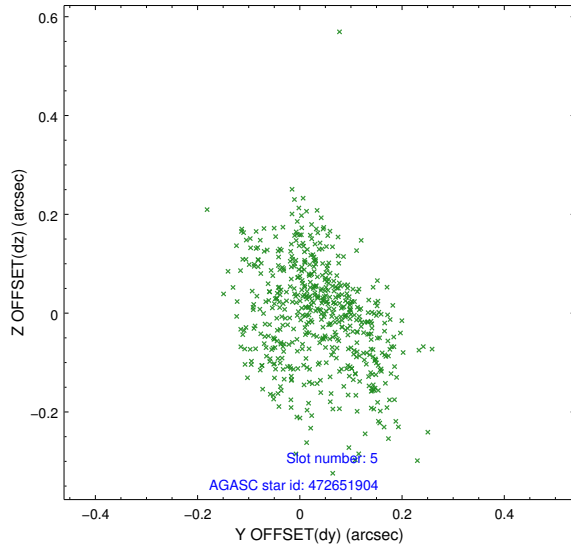
2.4.1 Slot 3



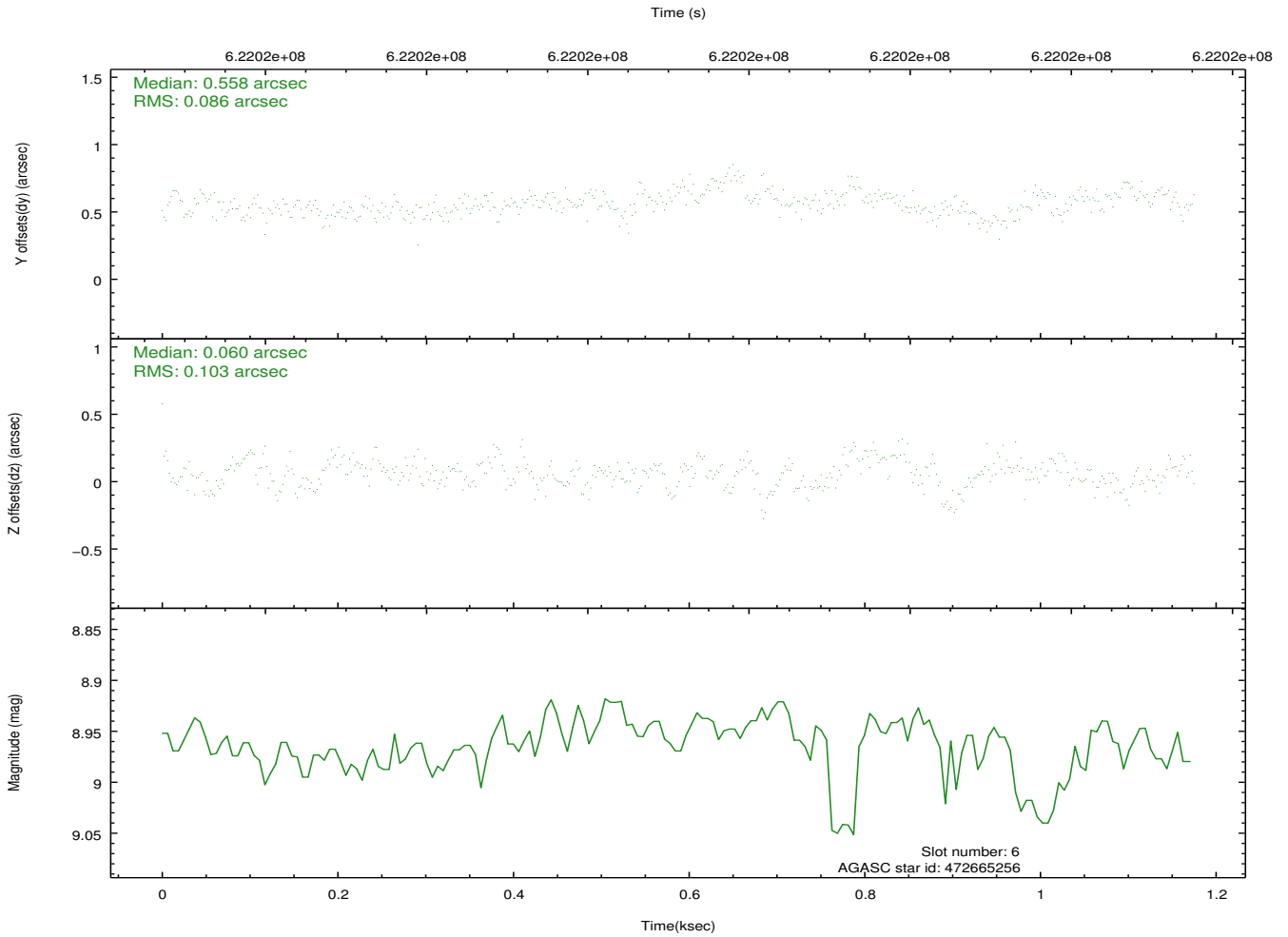
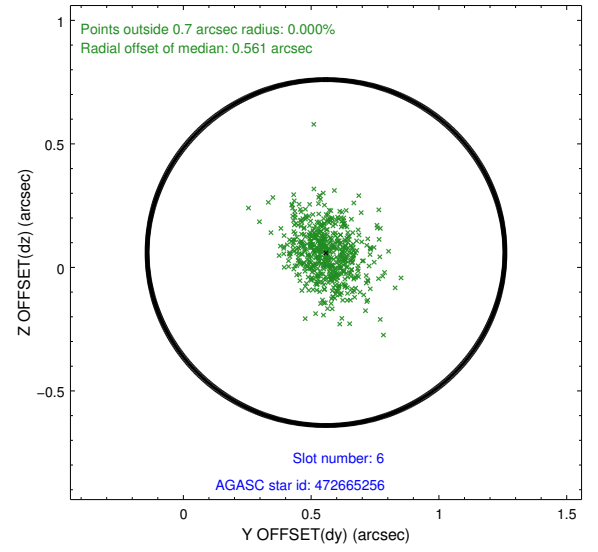
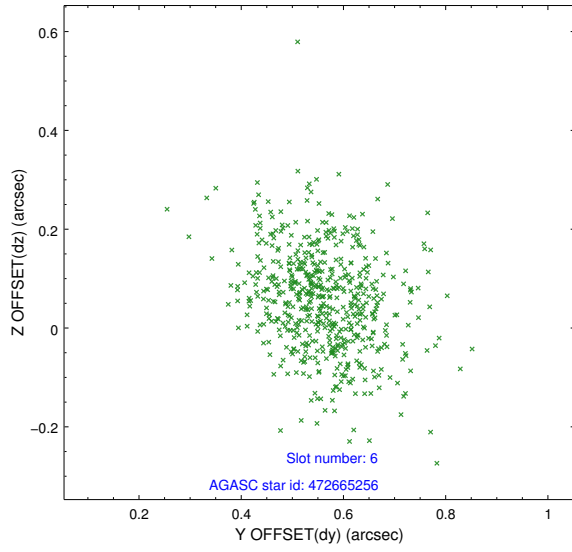
2.4.2 Slot 4



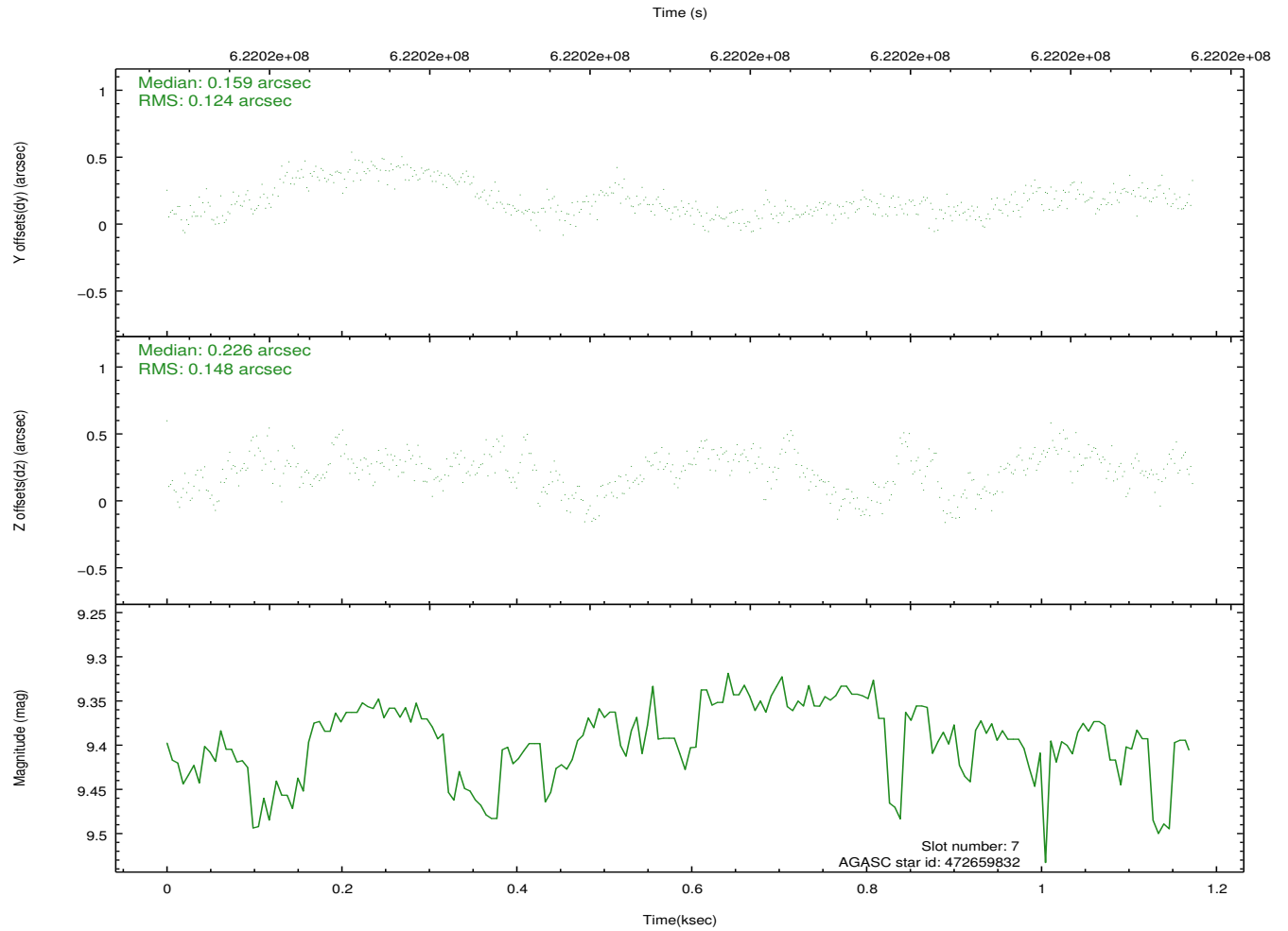
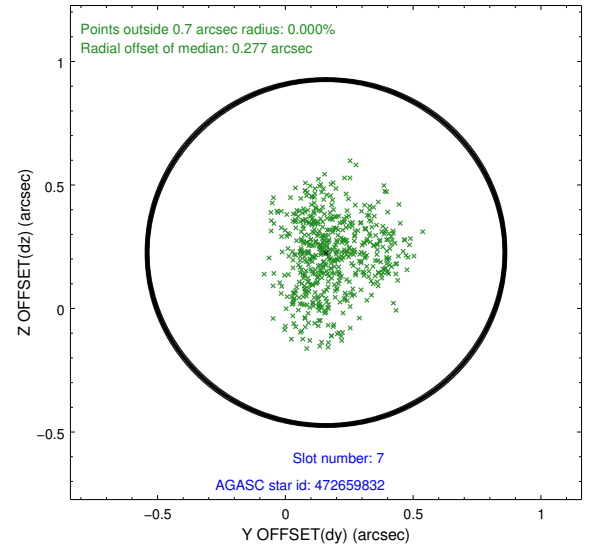
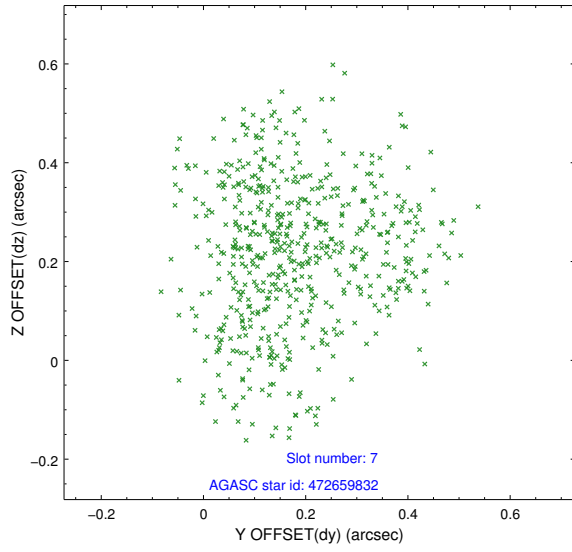
2.4.3 Slot 5



2.4.4 Slot 6

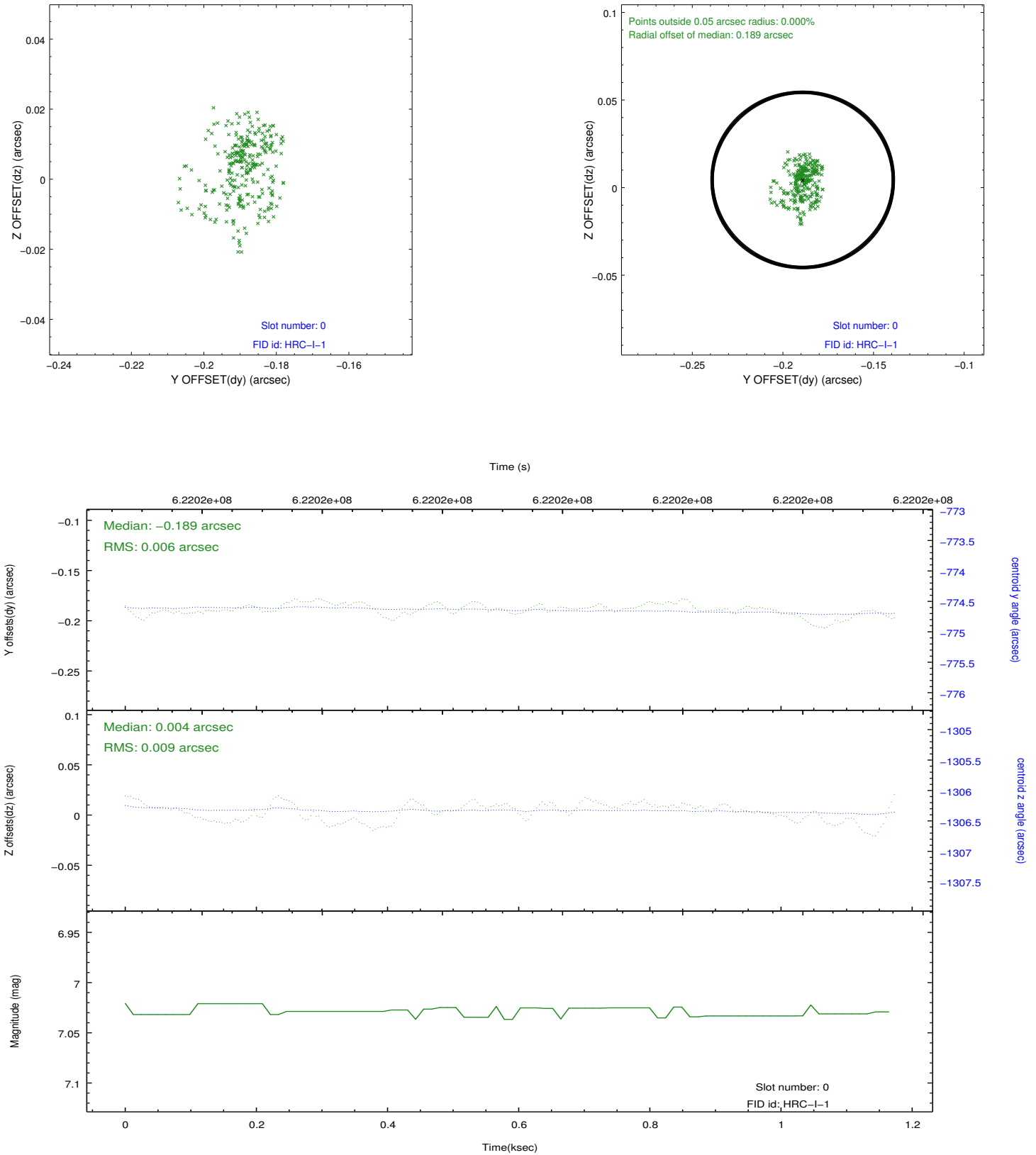


2.4.5 Slot 7

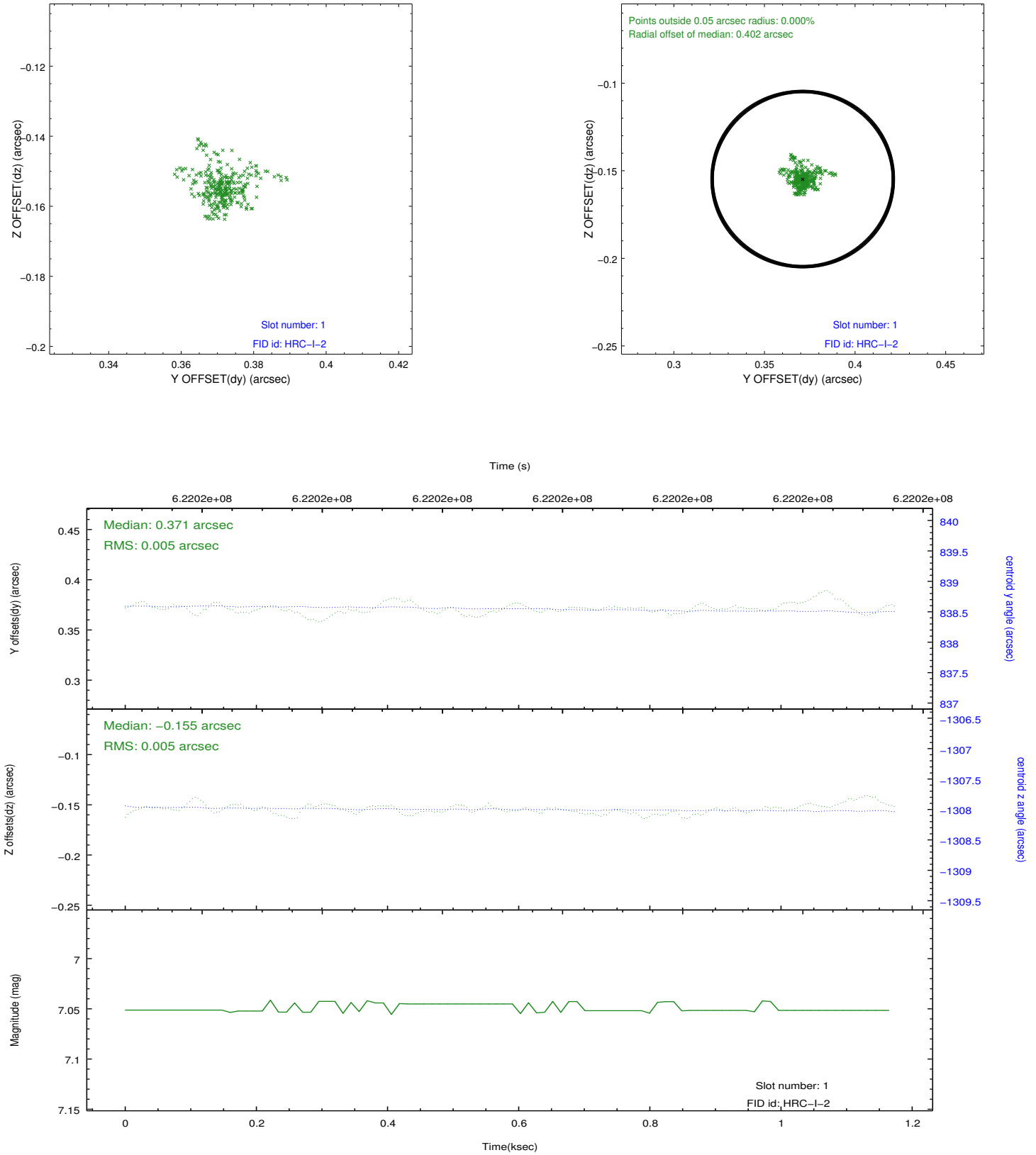


2.5 FID Slots

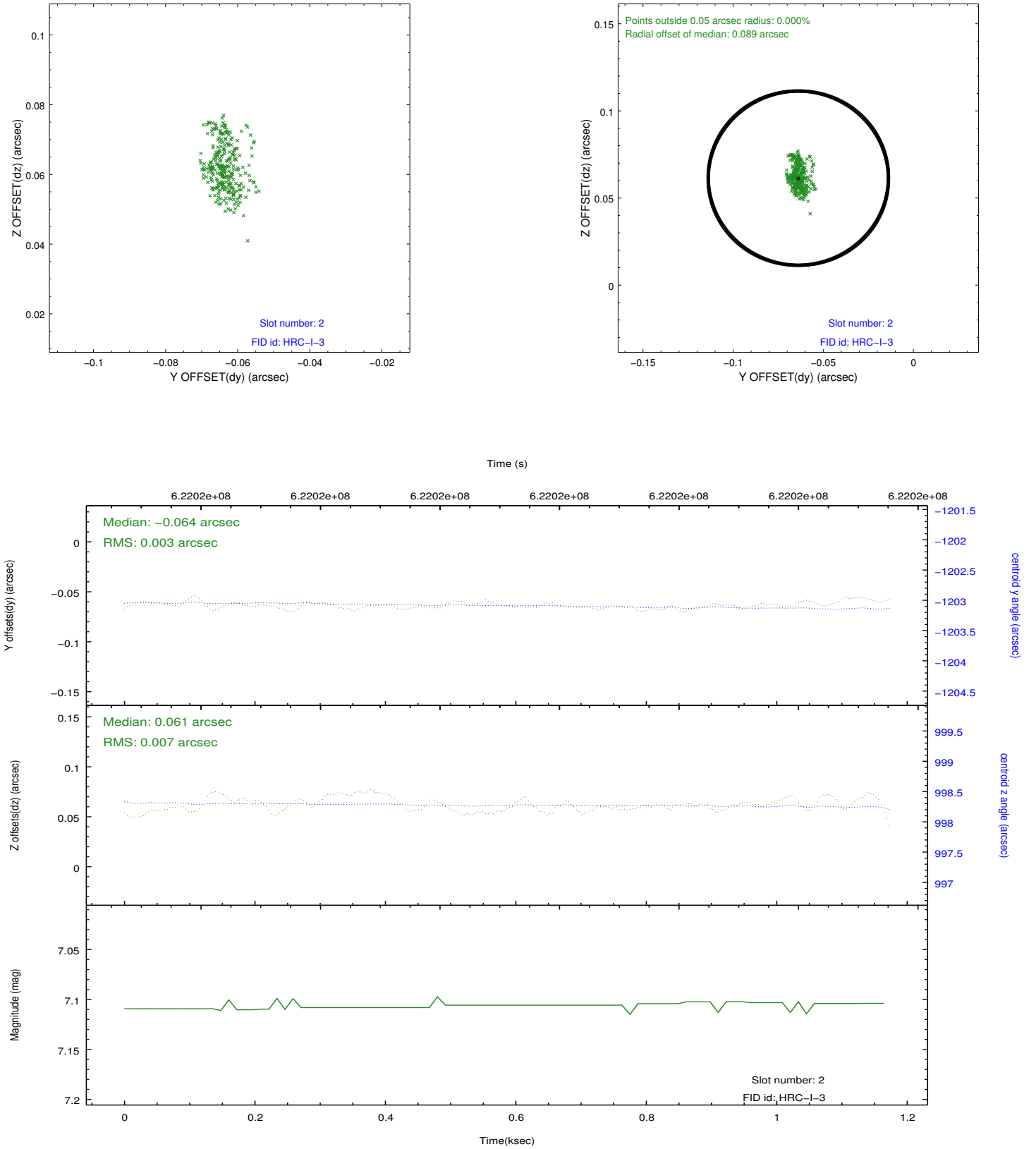
2.5.1 Slot 0



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	1.1738813186884

A.2 Comments