

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19820 - L2 Version 1
Chandra X-Ray Center

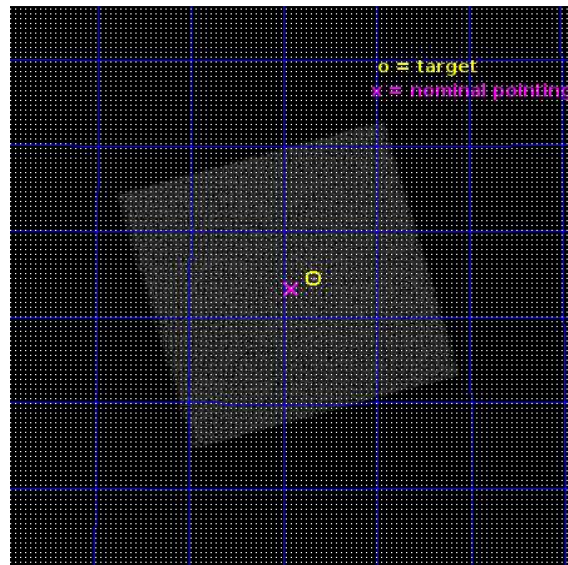
L2 Processing Date : Sep 17 2017

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1 Front

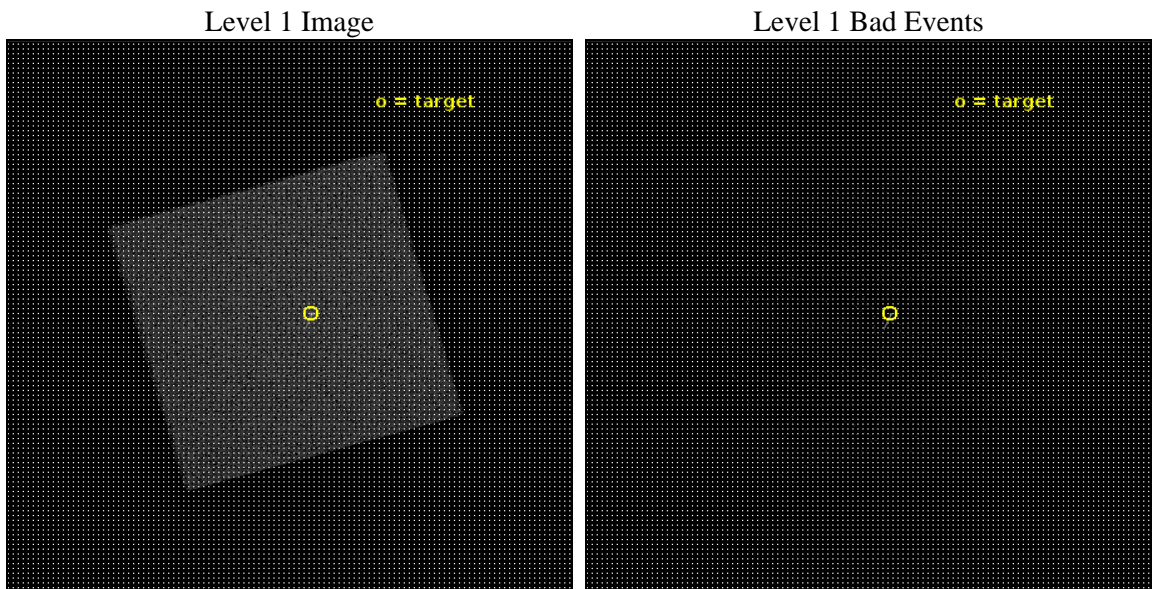
seq_num	291337	Sequence number
obs_id	19820	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22792877047	Nominal RA [deg]
dec_nom	45.722659783648	Nominal Dec [deg]
roll_nom	208.93796029872	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1171.575068593	[s]
livetime	1156.8711931207	Ontime multiplied by DTCOR
l2events	129009	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	1171.575068593	[s]
caldsver	4.7.6	 	l1events	216800	Number of level 1 events
date	2017-09-17T15:28:09	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

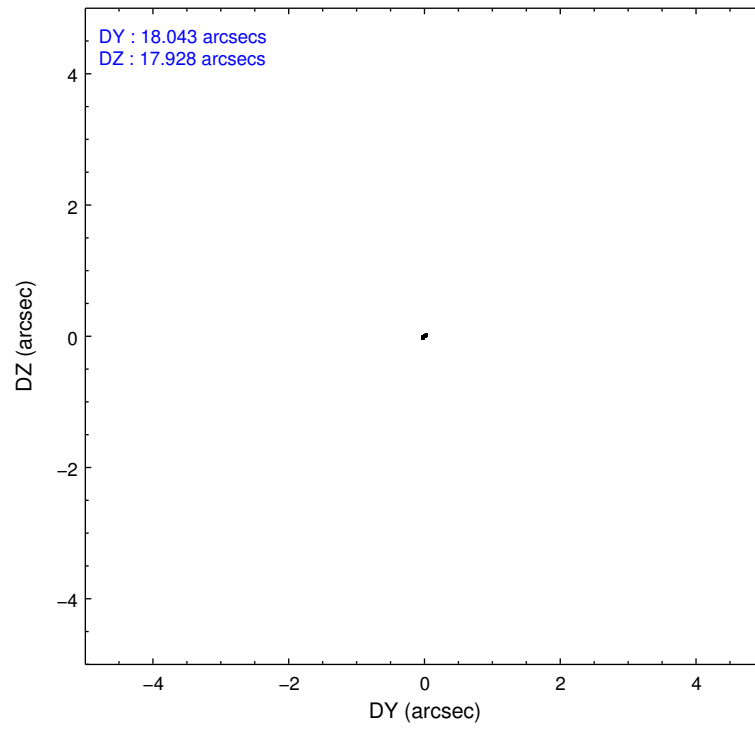
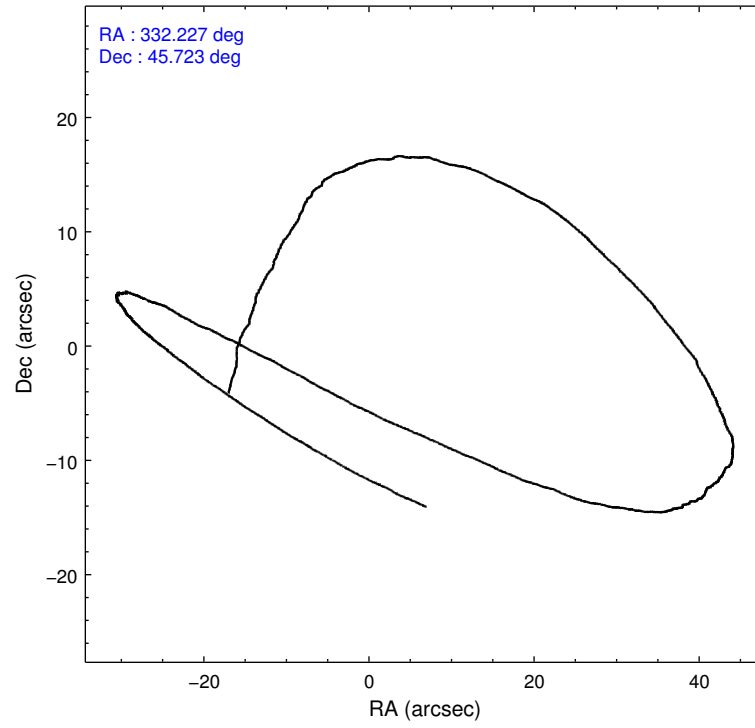
	segment 0
level 1 events	216800
rejected events	48458
rejected %	22%

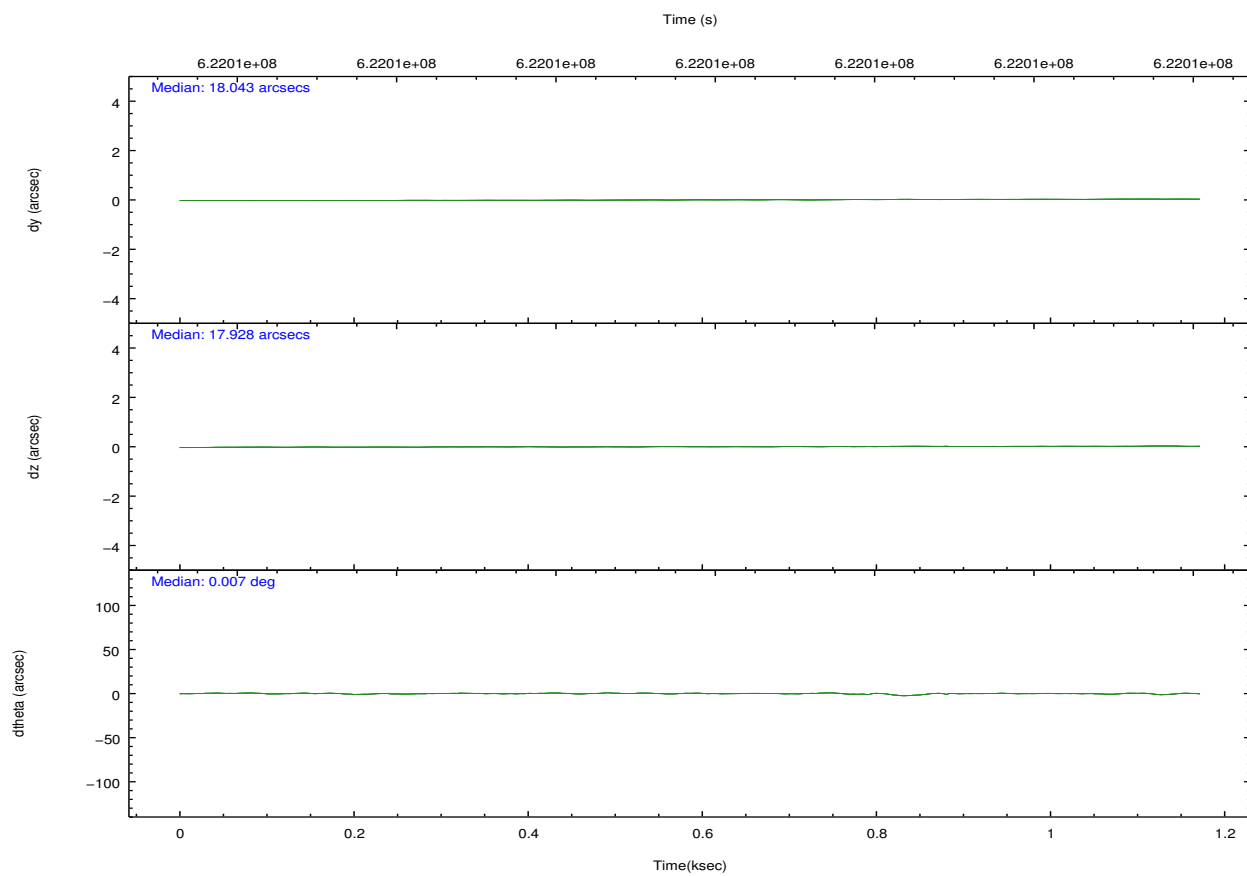
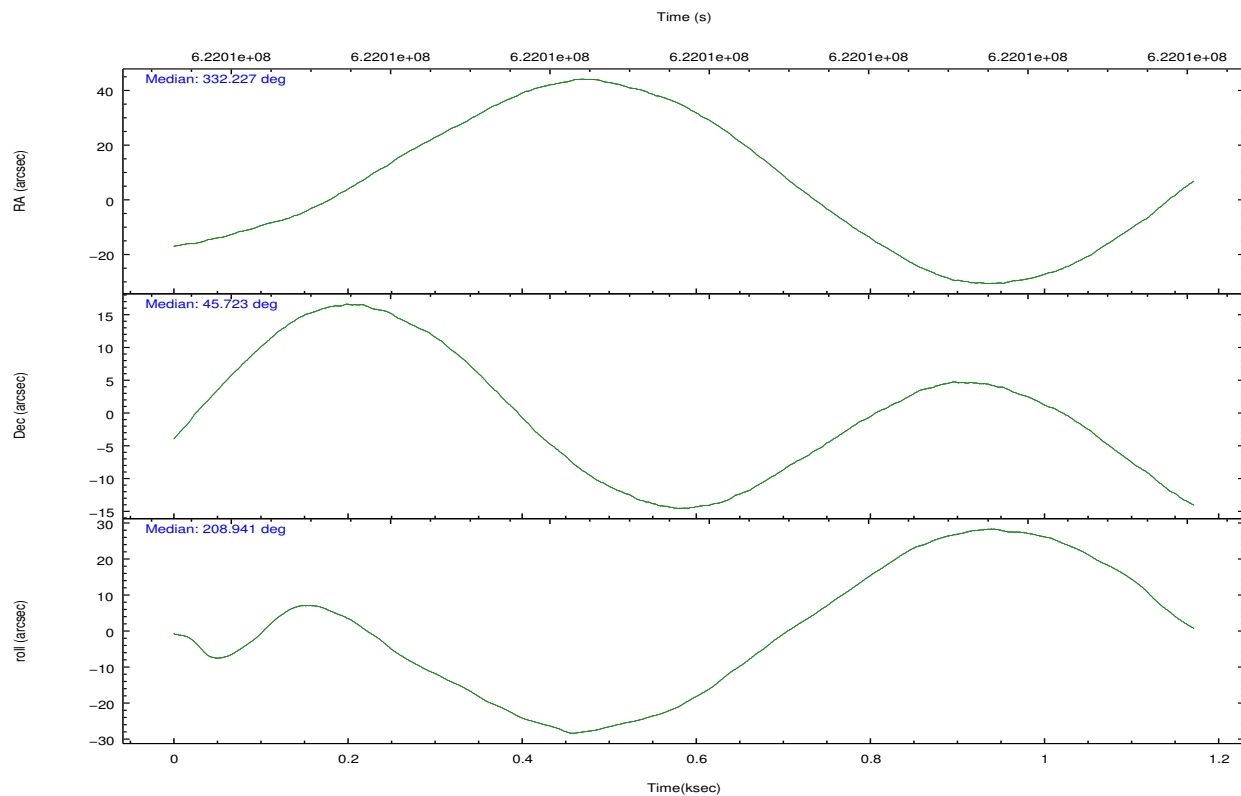
2.2 Compared Parameters

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	332.248365	332.2279287704711
[deg] Pointing Dec	45.745562	45.72265978364751
[deg] Pointing Roll	209.018875	208.9379602987159
[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)	622013168.184000	622012792.3034101
Observation start date	2017-09-17T05:24:59	2017-09-17T05:19:52
[s] Observation end time (MET)	622014168.184000	622014302.641
Observation end date	2017-09-17T05:41:39	2017-09-17T05:45:02

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

2.3 Aspect



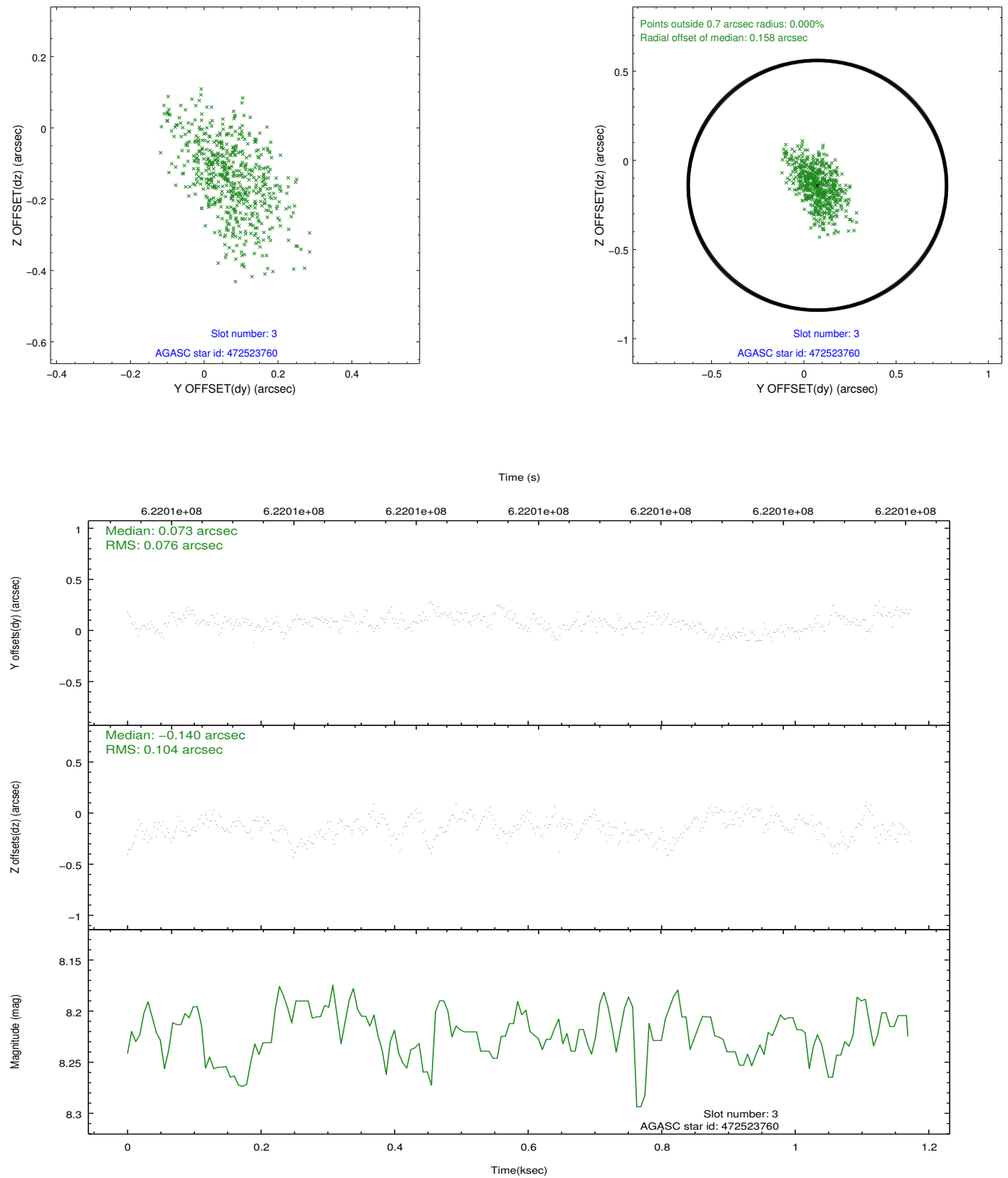


Slot Statistics

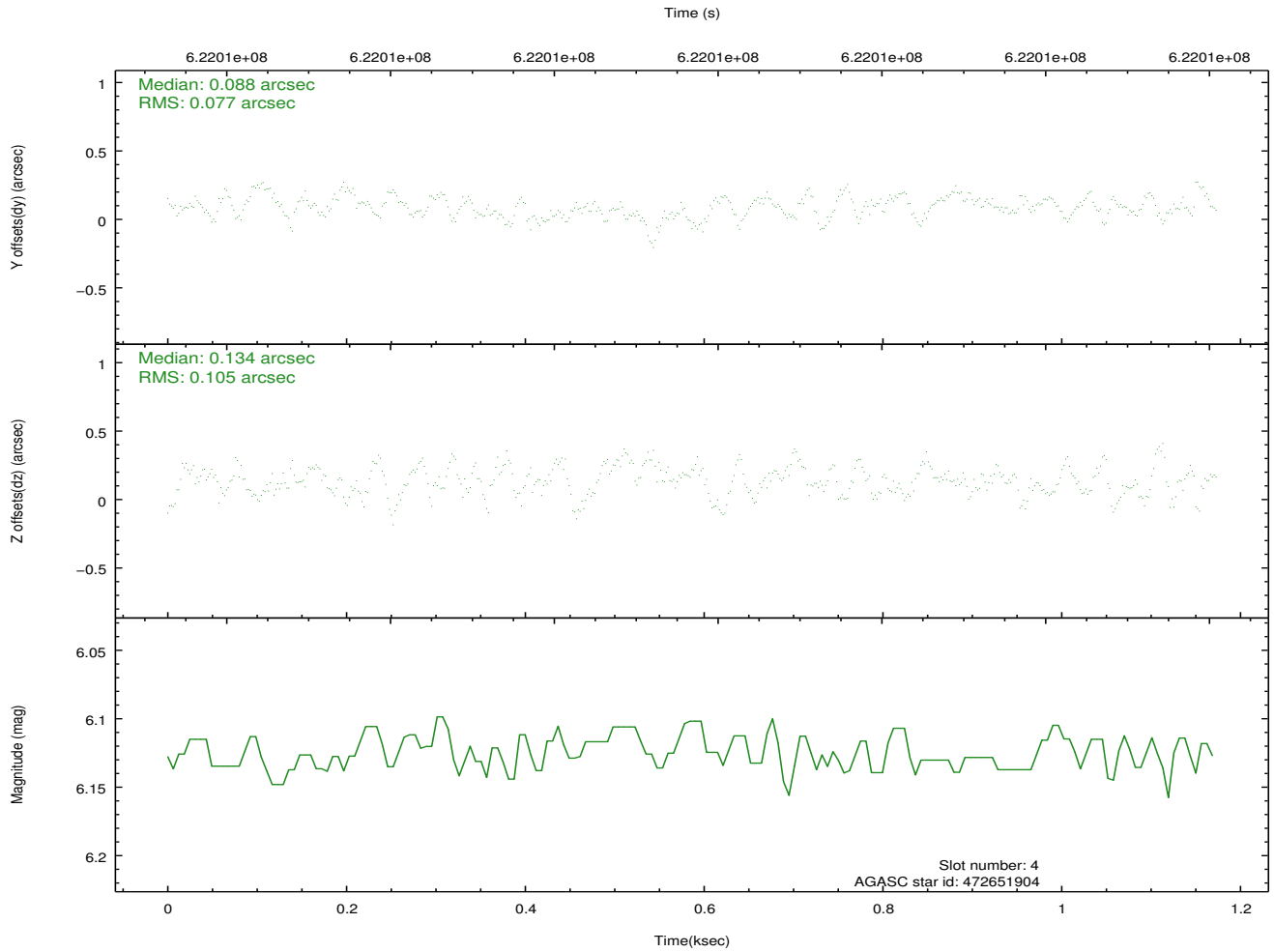
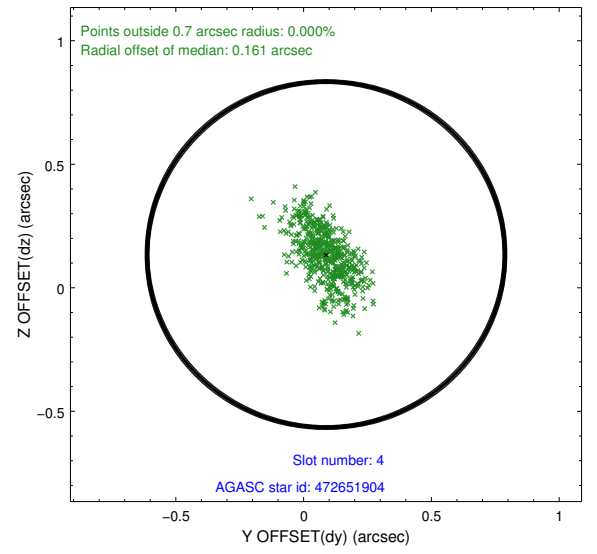
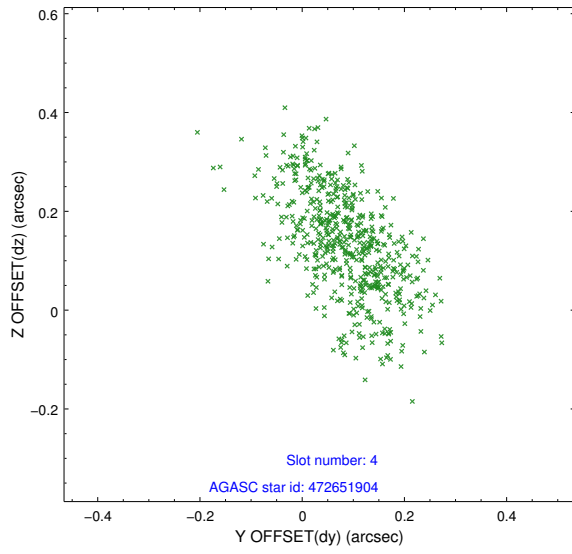
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.05	286	0.119	-0.139	0.006	0.011	0.000000	0.000000	838.86	-1307.78
1	FID		HRC-I-3	7.10	287	-0.341	0.064	0.006	0.011	0.000000	0.000000	-1199.85	993.95
2	FID		HRC-I-4	7.04	286	0.341	-0.012	0.007	0.012	0.000000	0.000000	1264.99	999.57
3	GUIDE	used	472523760	8.22	571	0.073	-0.140	0.132	0.238	331.645363	45.403260	1927.57	336.95
4	GUIDE	used	472651904	6.13	573	0.088	0.134	0.137	0.231	332.170077	45.742257	180.96	-81.59
5	GUIDE	used	472665256	8.95	572	0.672	0.314	0.137	0.221	332.808125	46.195041	-2006.75	-738.38
6	GUIDE	used	420754040	9.02	573	-0.290	-0.331	0.159	0.270	331.917939	44.882543	2237.12	2309.18
7	GUIDE	used	472525528	6.64	572	-0.546	0.037	0.145	0.239	331.551102	45.248694	2412.18	708.16

2.4 Star Slots

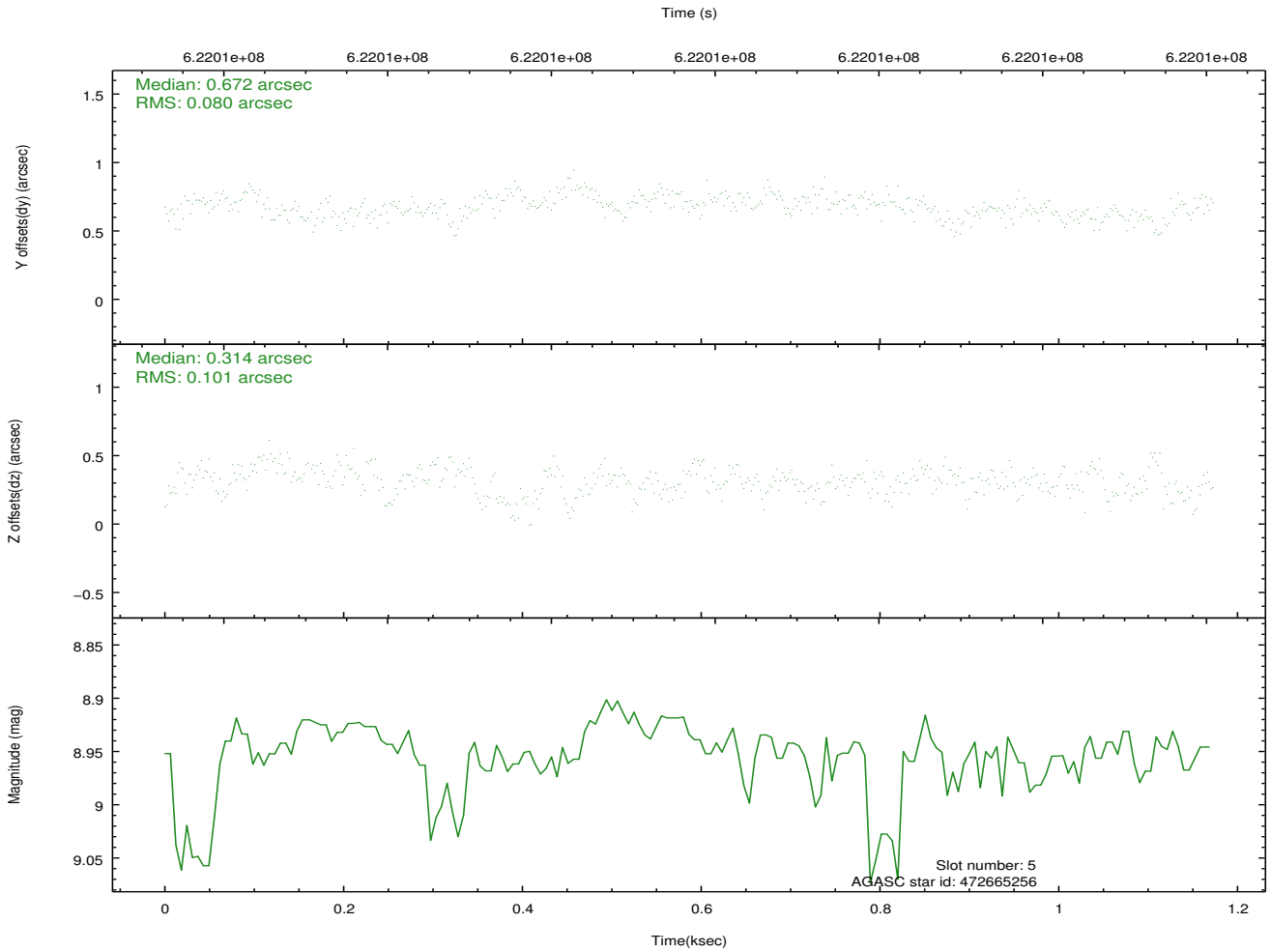
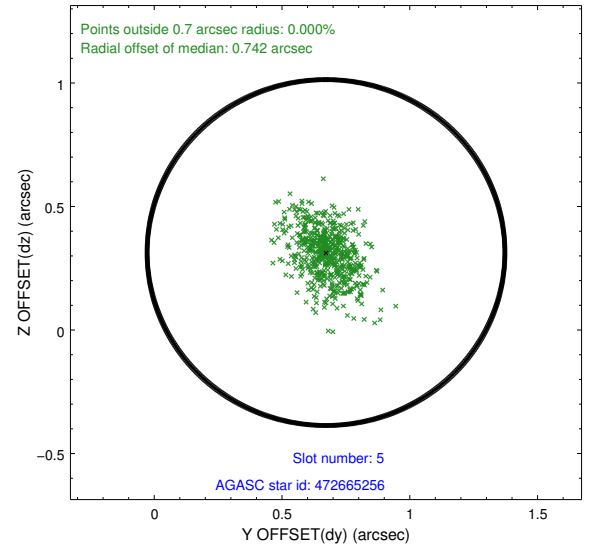
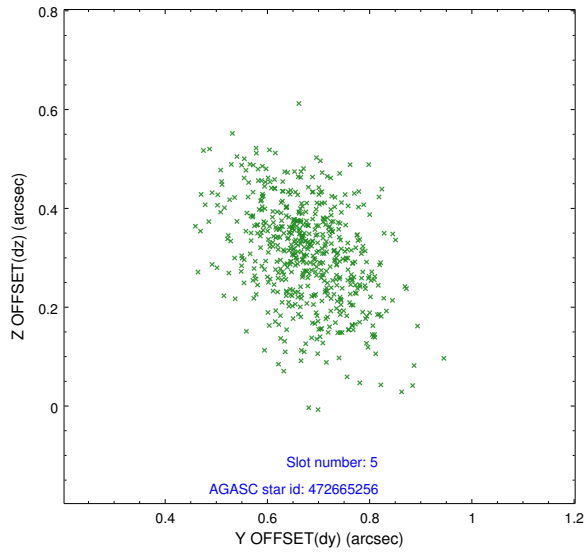
2.4.1 Slot 3



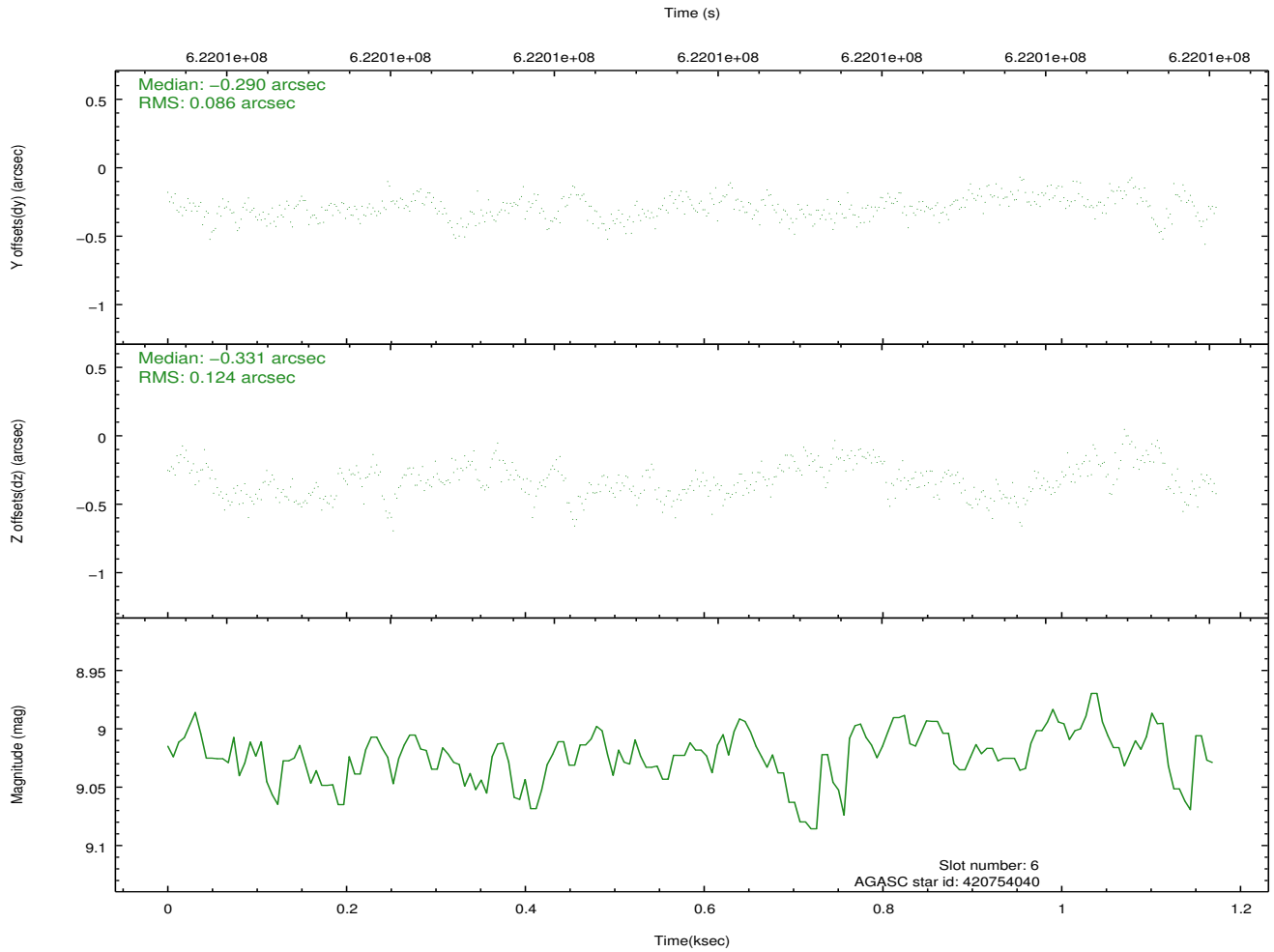
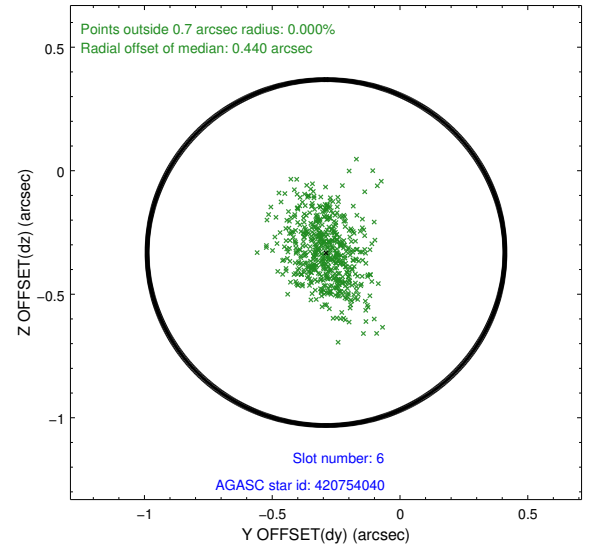
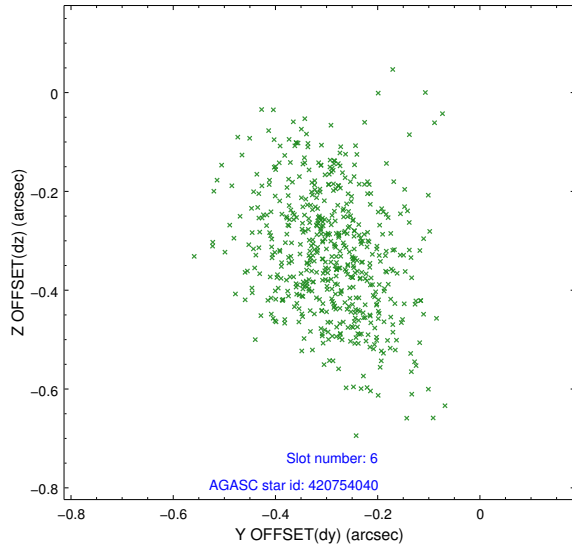
2.4.2 Slot 4



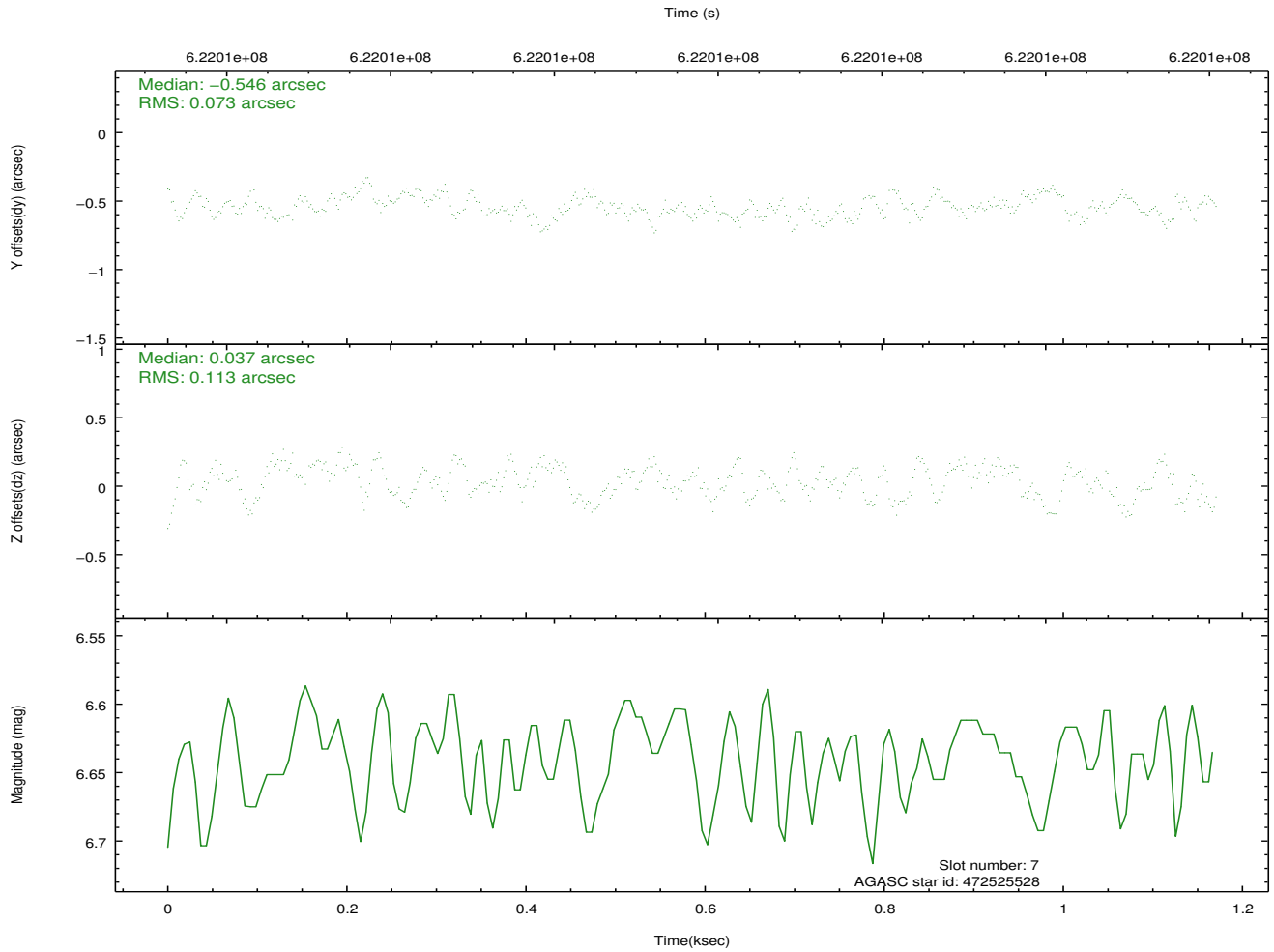
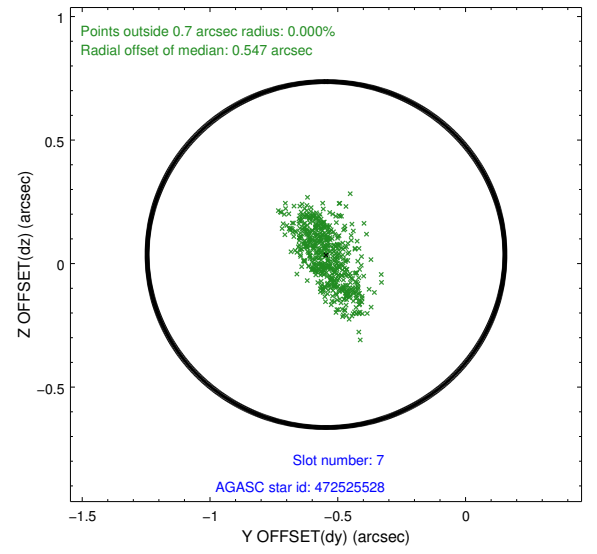
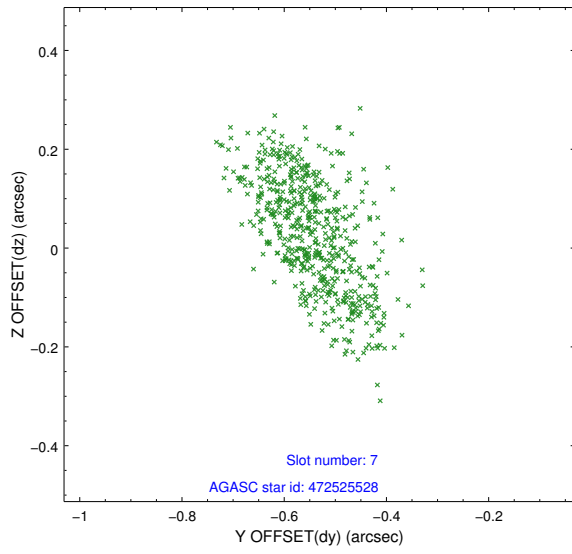
2.4.3 Slot 5



2.4.4 Slot 6

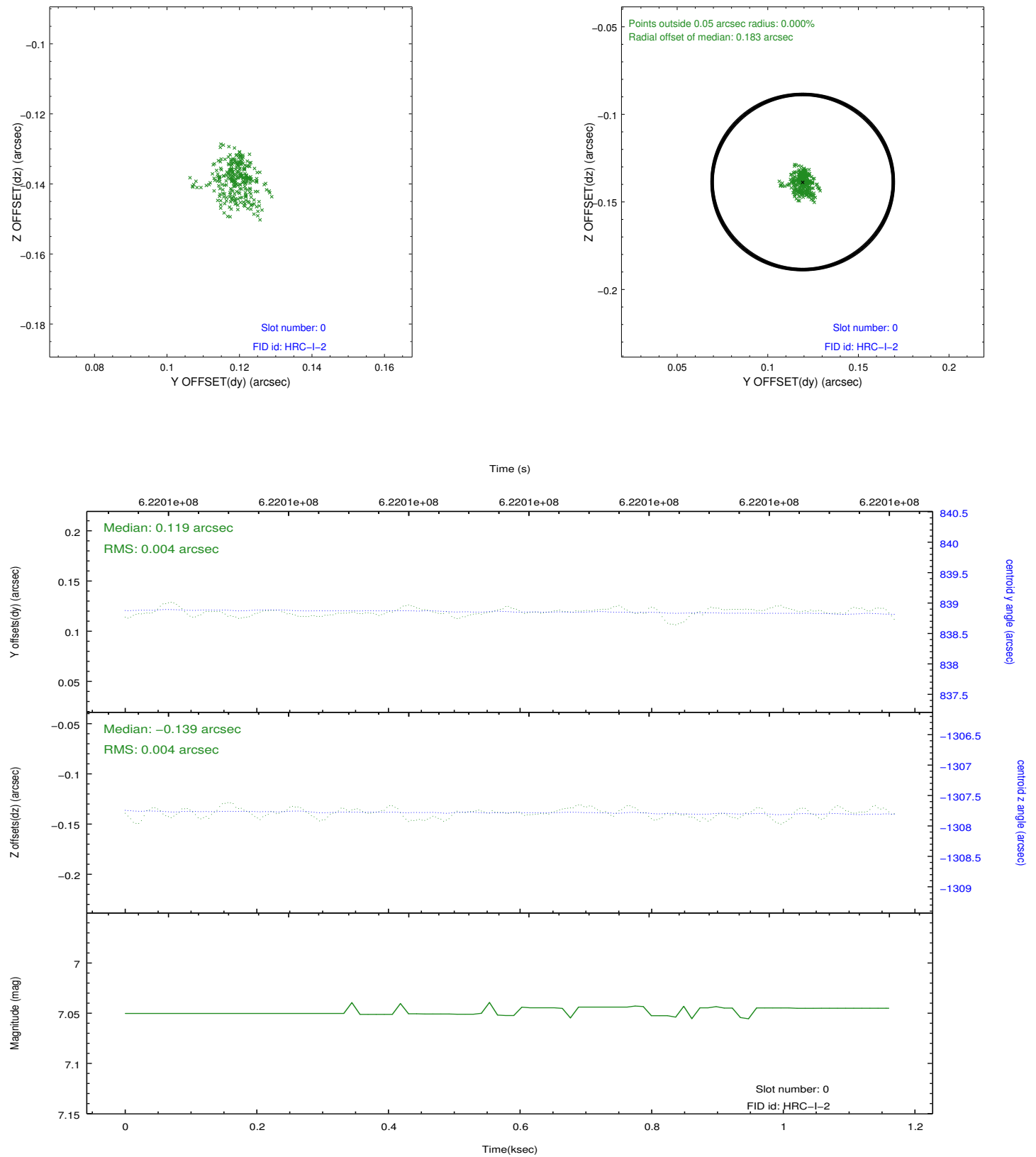


2.4.5 Slot 7

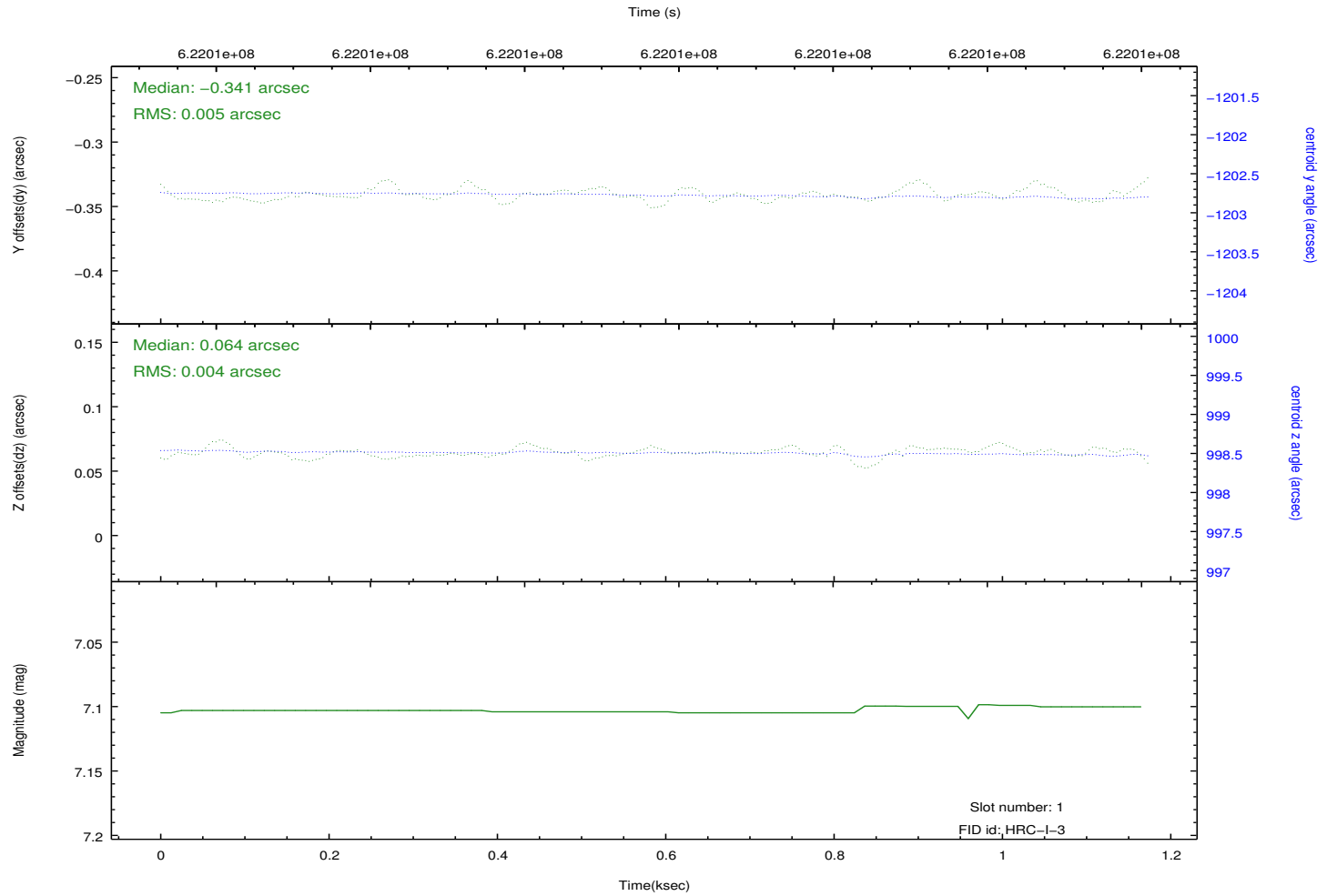
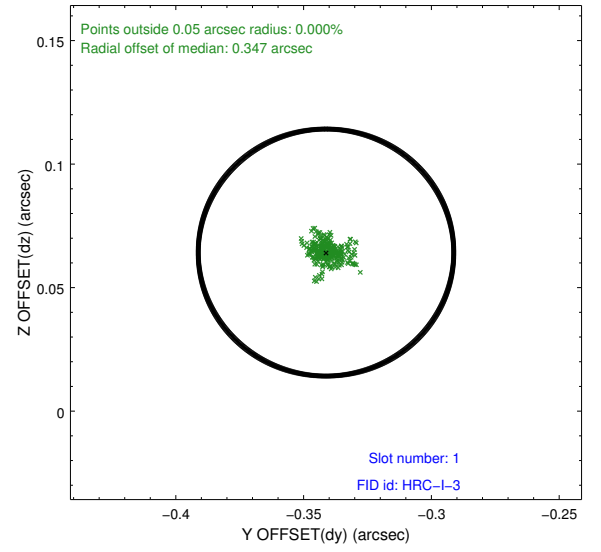
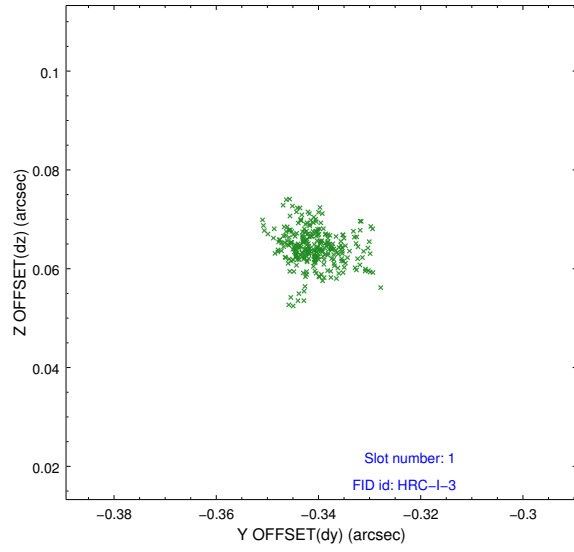


2.5 FID Slots

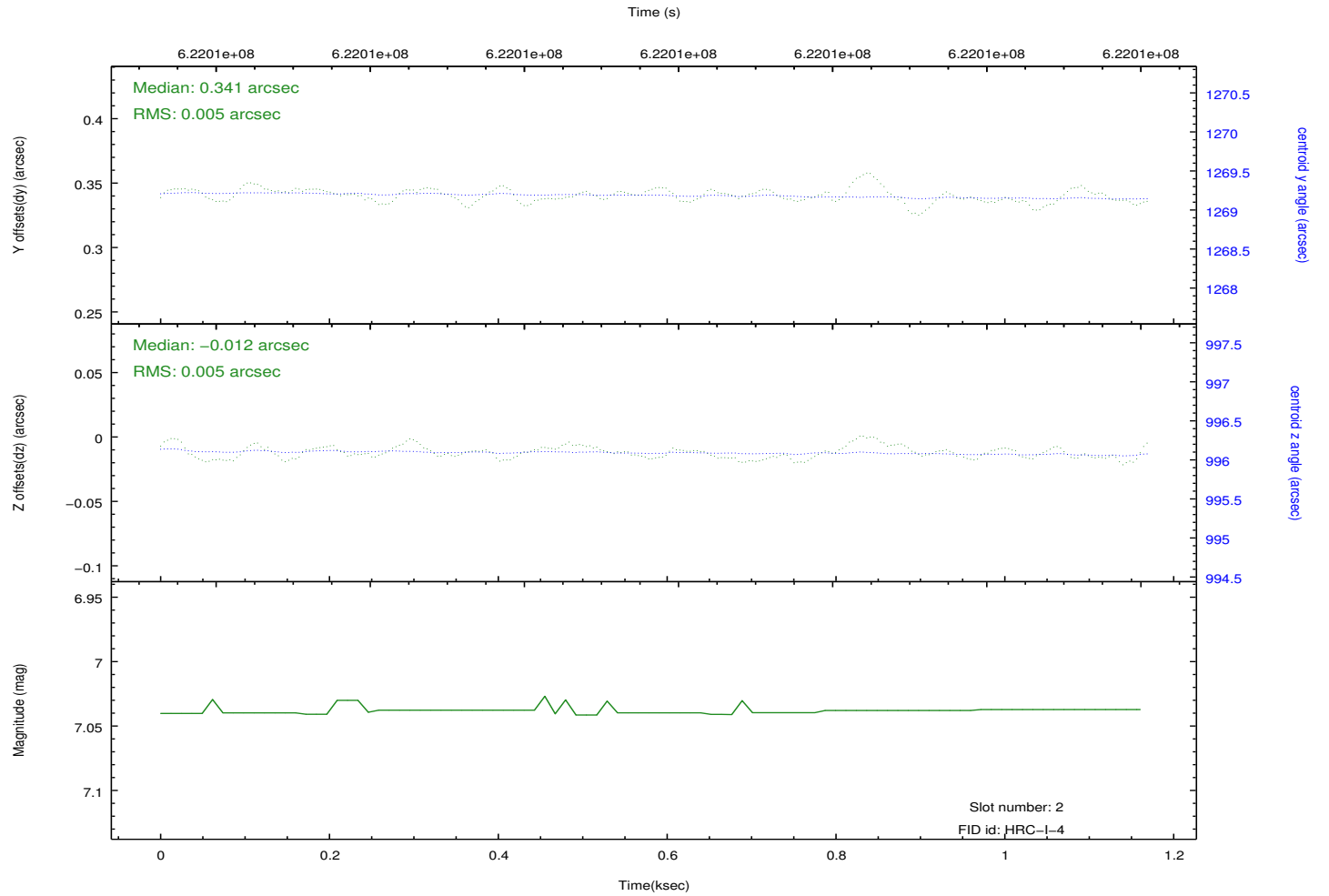
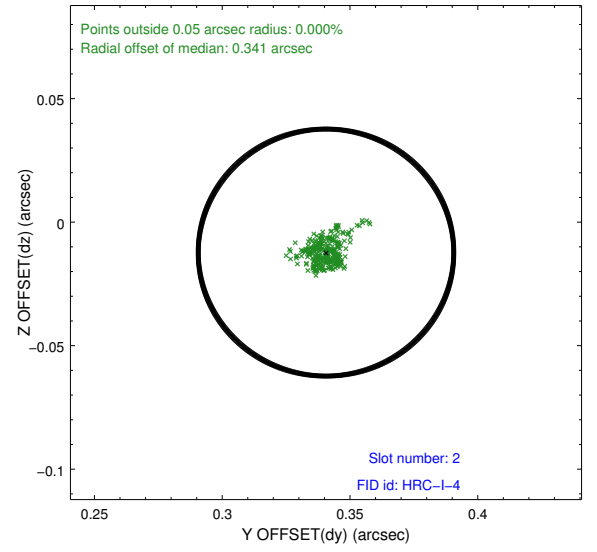
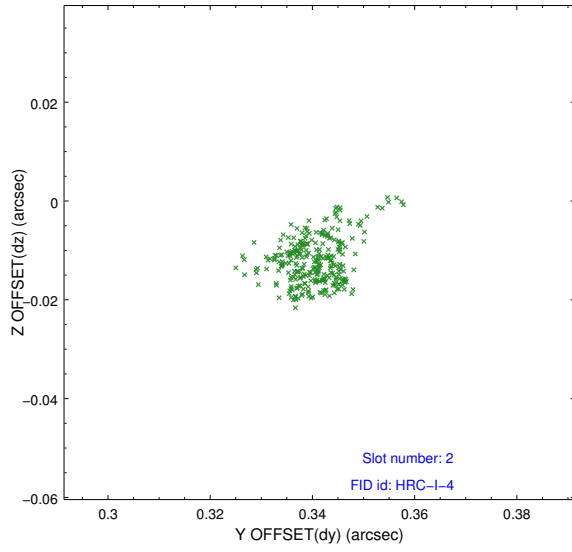
2.5.1 Slot 0



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	1.171575068593

A.2 Comments