

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8308 - L2 Version 4
Chandra X-Ray Center

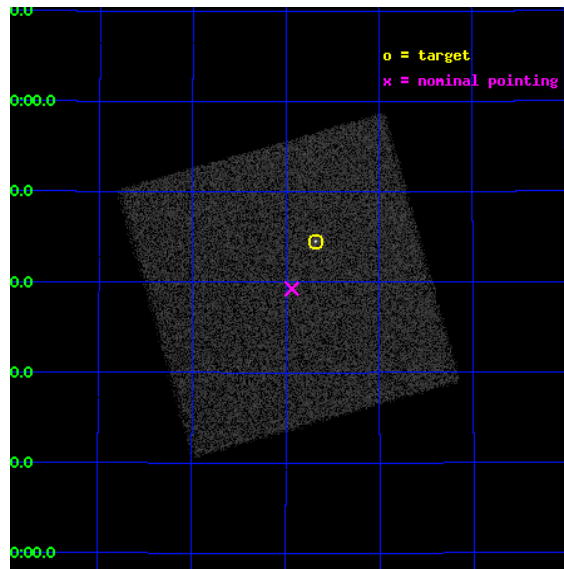
L2 Processing Date : Aug 11 2012

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1 Front

seq_num	290687	Sequence number
obs_id	8308	Observation id
title	AO8 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	332.2333828258	Nominal RA [deg]
dec_nom	45.654725457282	Nominal Dec [deg]
roll_nom	209.11031369812	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1179.7750566602	[s]
livetime	1167.4293263319	Ontime multiplied by DTCOR
l2events	73132	Number of level 2 events

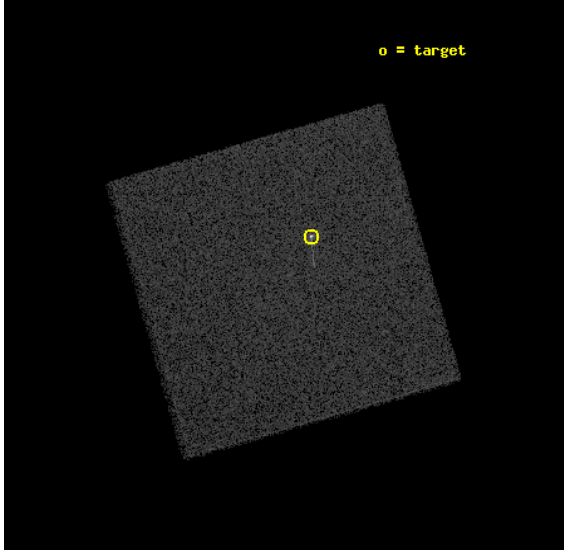


2 OBI

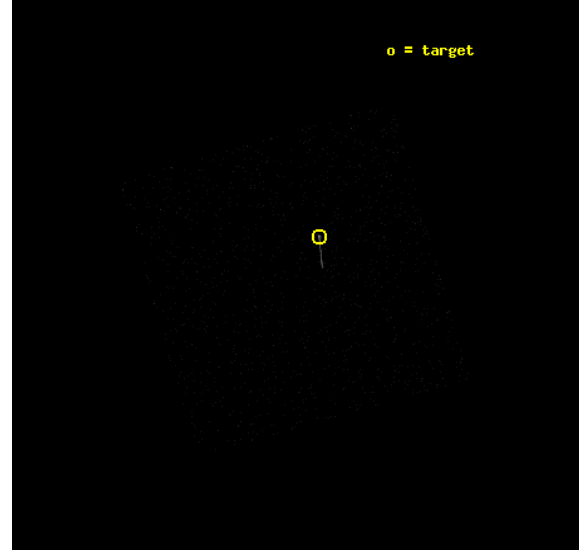
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1179.7750566602	[s]
caldbver	4.5.1.1	 	l1events	136348	Number of level 1 events
date	2012-08-12T01:41:03	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

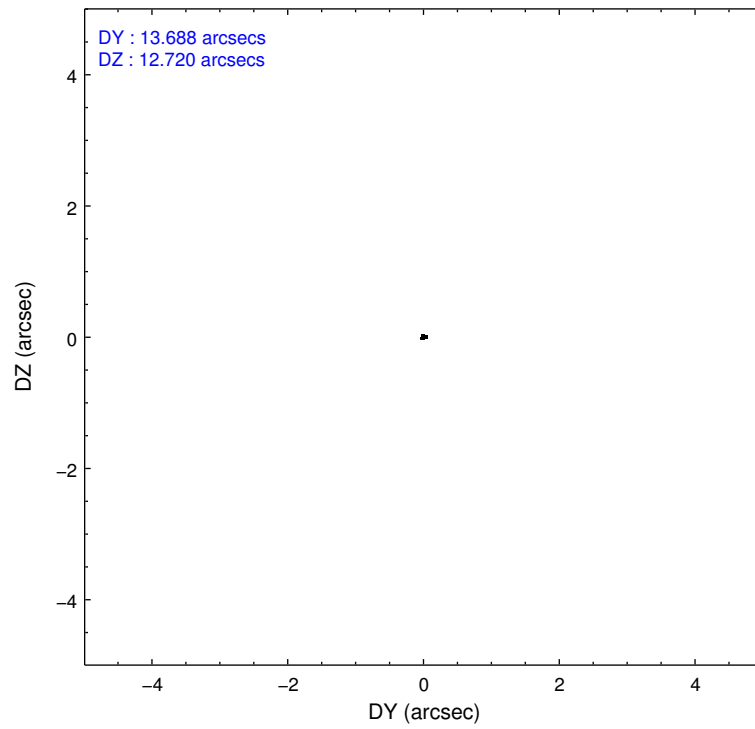
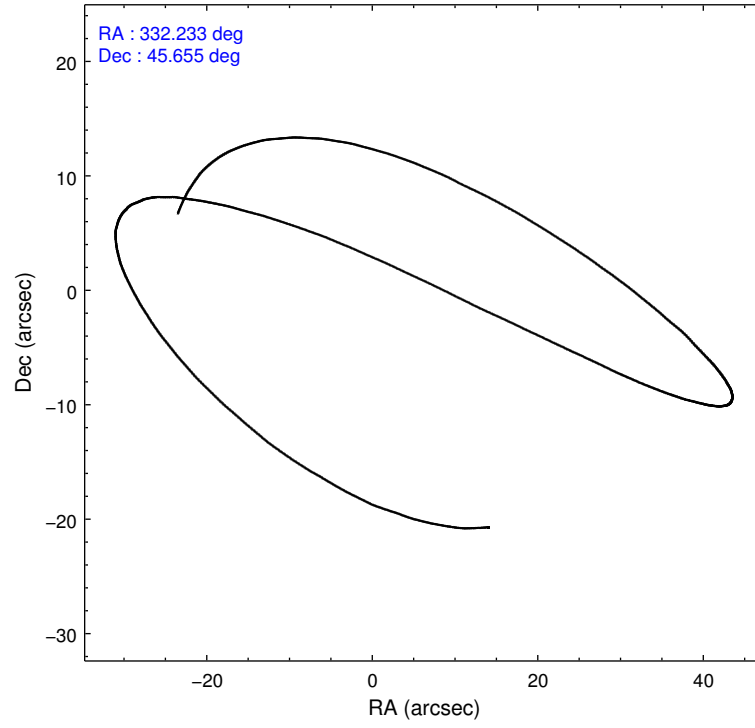
Level 1 Events

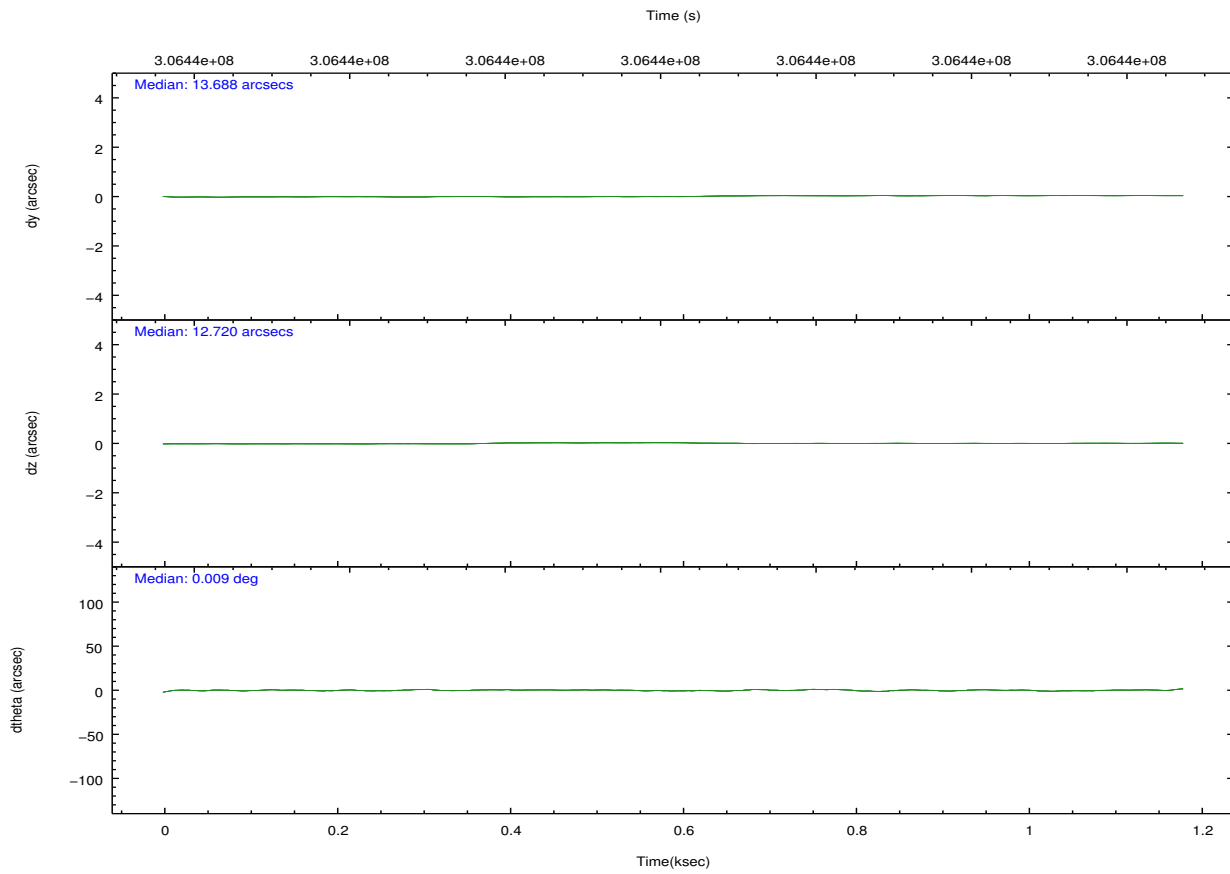
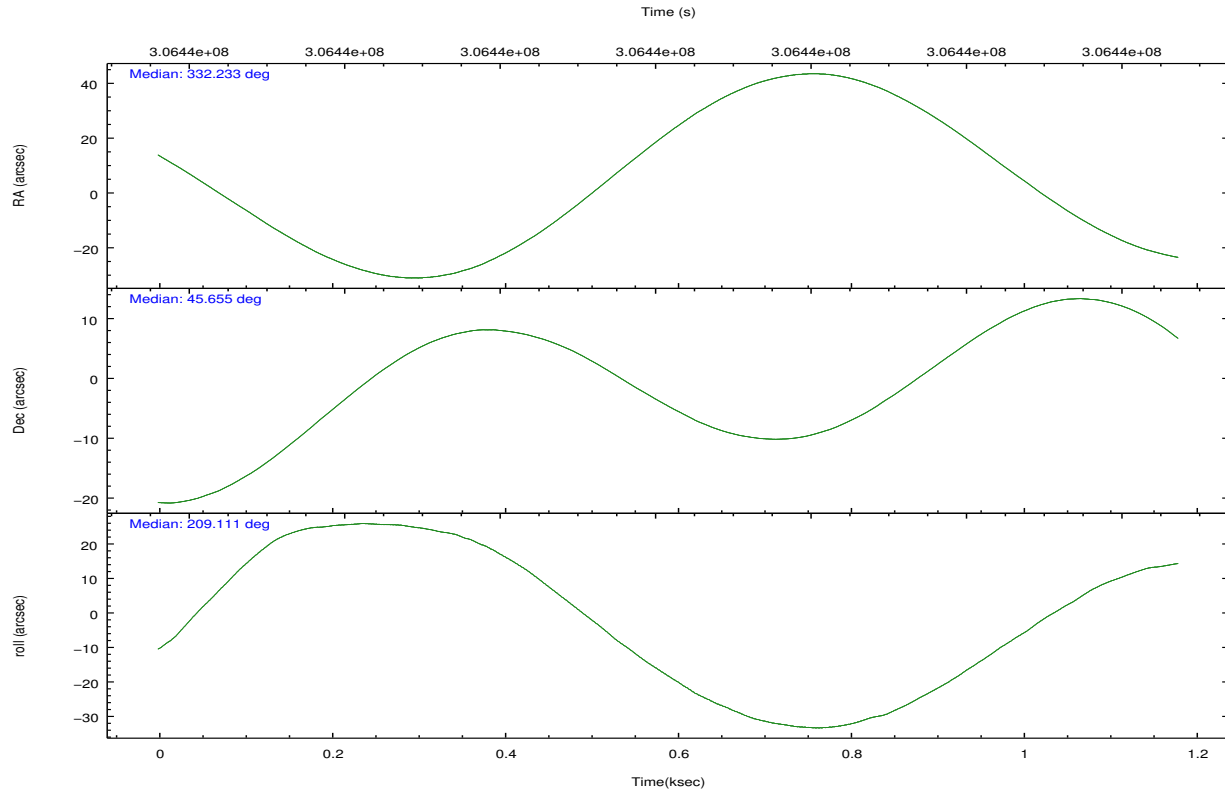
	segment 0
level 1 events	136348
rejected events	29794
rejected %	21%

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	332.253121	332.2333828258006			
[deg] Pointing Dec	45.678139	45.65472545728183			
[deg] Pointing Roll	209.191649	209.1103136981207			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	306439602.184000	306439226.20141			
Observation start date	2007-09-17T18:05:37	2007-09-17T18:00:26			
[s] Observation end time (MET)	306440602.184000	306440736.53898			
Observation end date	2007-09-17T18:22:17	2007-09-17T18:25:36			

2.3 Aspect



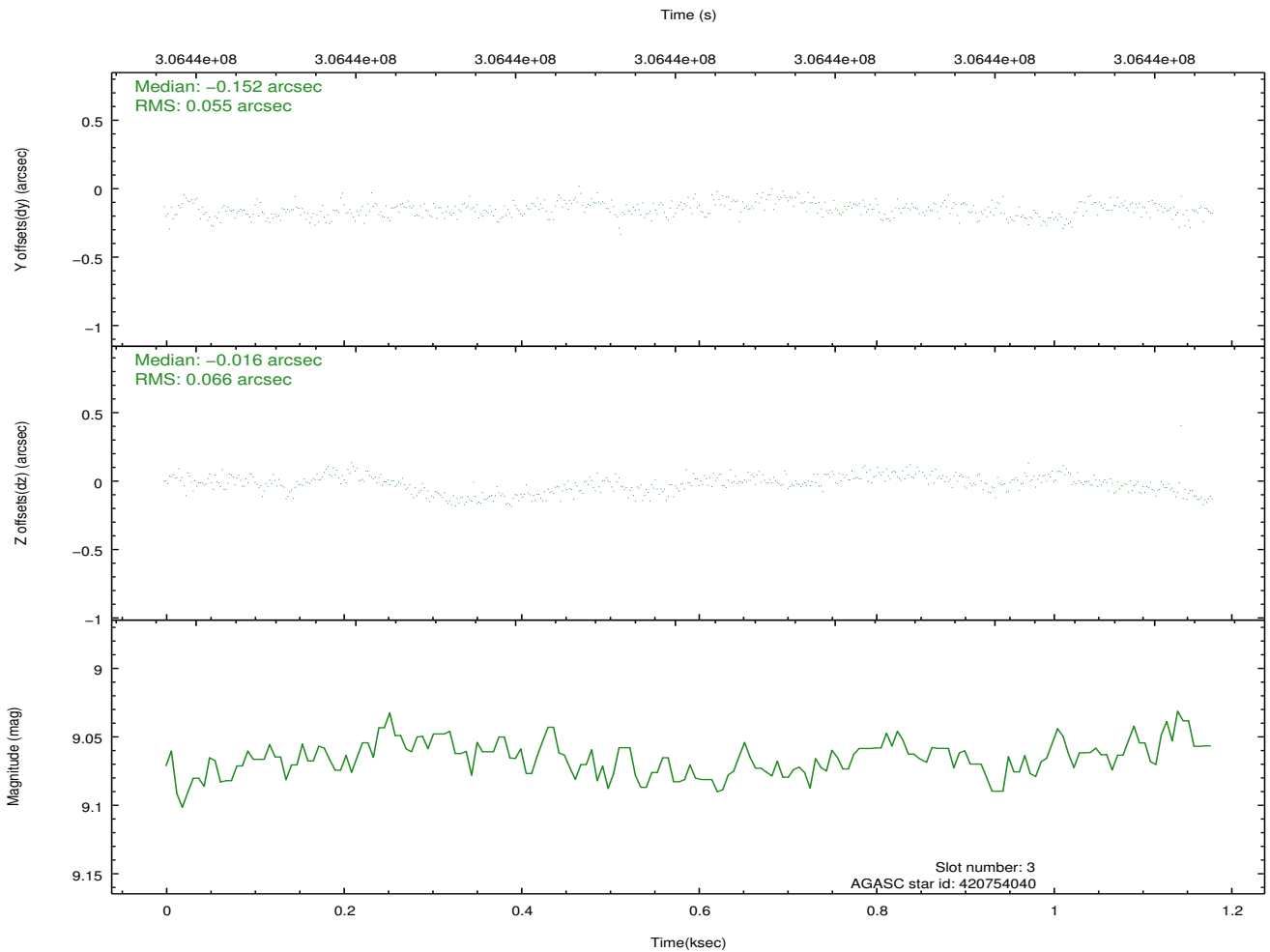
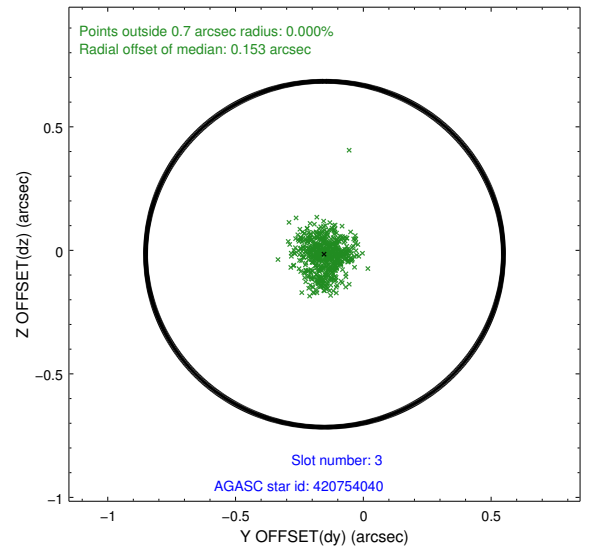
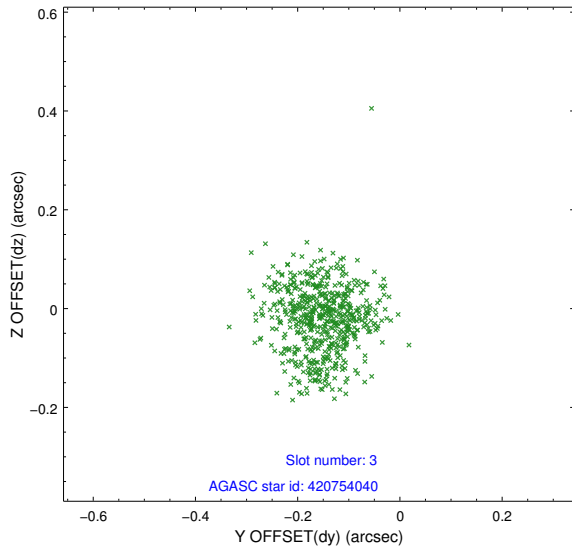


Slot Statistics

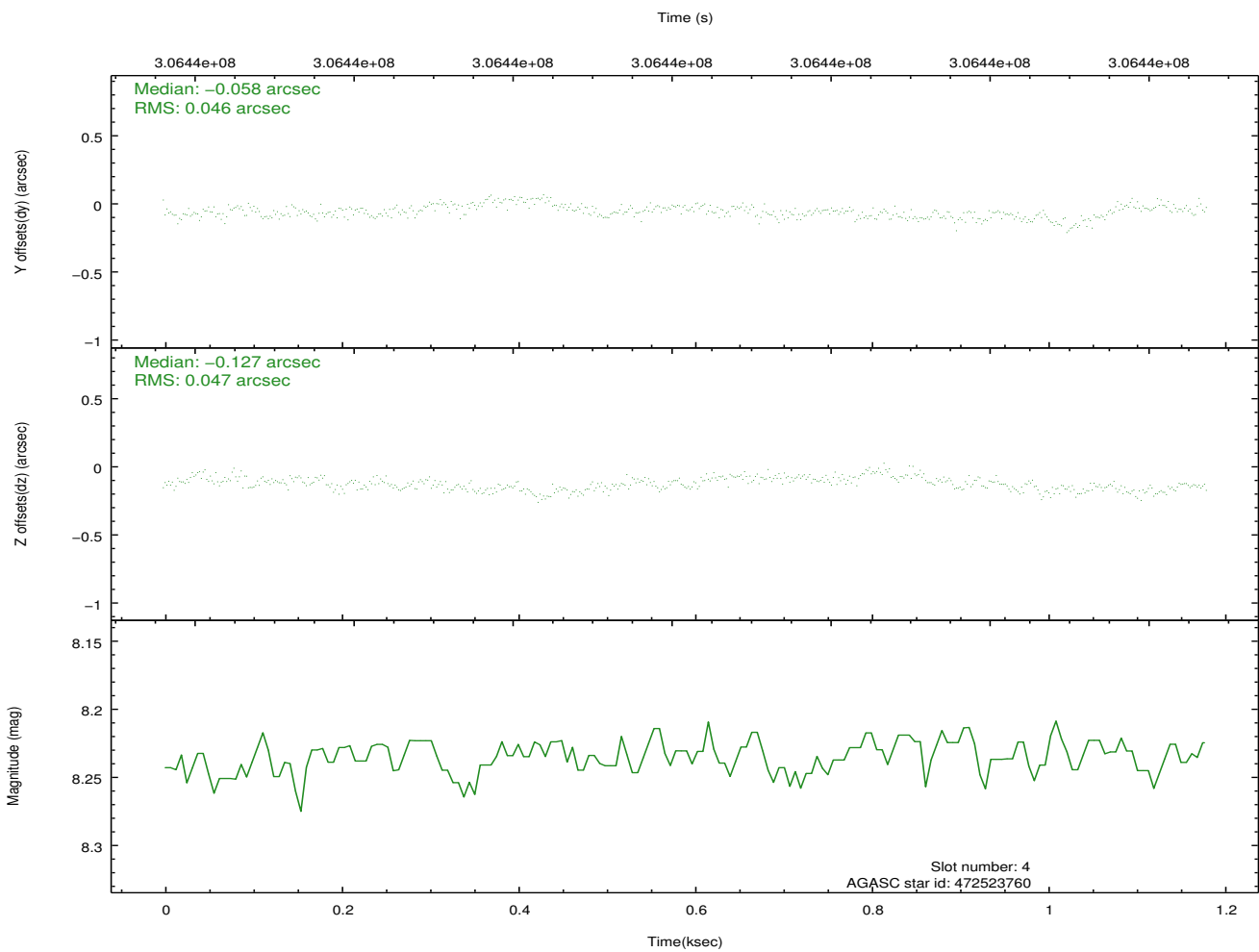
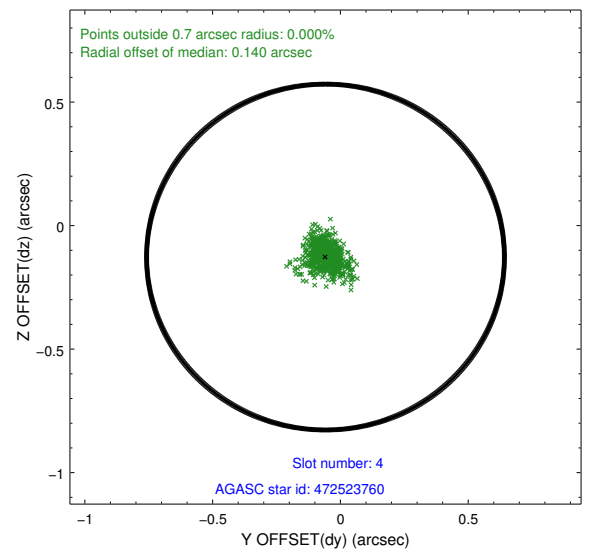
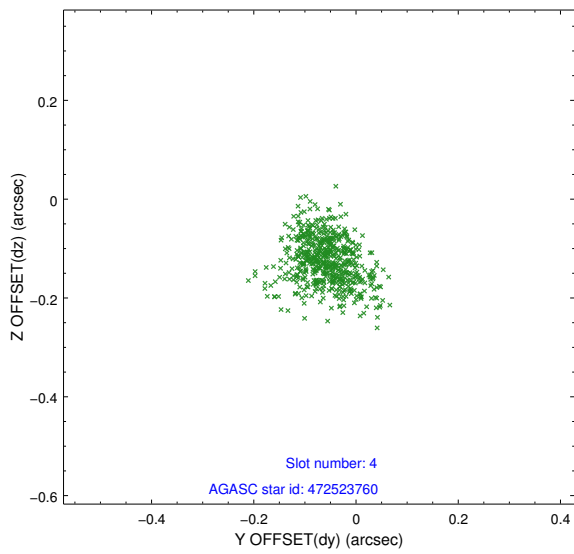
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	288	-0.058	0.031	0.006	0.012	0.000000	0.000000	-769.53	-1300.76
1	FID	HRC-I-2	7.02	288	0.241	-0.161	0.006	0.010	0.000000	0.000000	840.73	-1307.03
2	FID	HRC-I-3	7.07	288	-0.064	0.040	0.005	0.010	0.000000	0.000000	-1195.10	999.28
3	GUIDE	420754040	9.06	576	-0.152	-0.016	0.094	0.140	331.917939	44.882543	2141.12	2083.65
4	GUIDE	472523760	8.23	577	-0.058	-0.127	0.070	0.120	331.645363	45.403260	1824.27	114.64
5	GUIDE	472655152	9.43	577	0.066	0.088	0.142	0.217	332.504239	45.862991	-871.75	-272.80
6	GUIDE	472665256	9.00	577	0.095	-0.007	0.096	0.153	332.808125	46.195041	-2119.09	-953.08
7	GUIDE	472663080	9.41	576	0.034	0.075	0.100	0.166	332.652741	46.473840	-2267.31	-2019.75

2.4 Star Slots

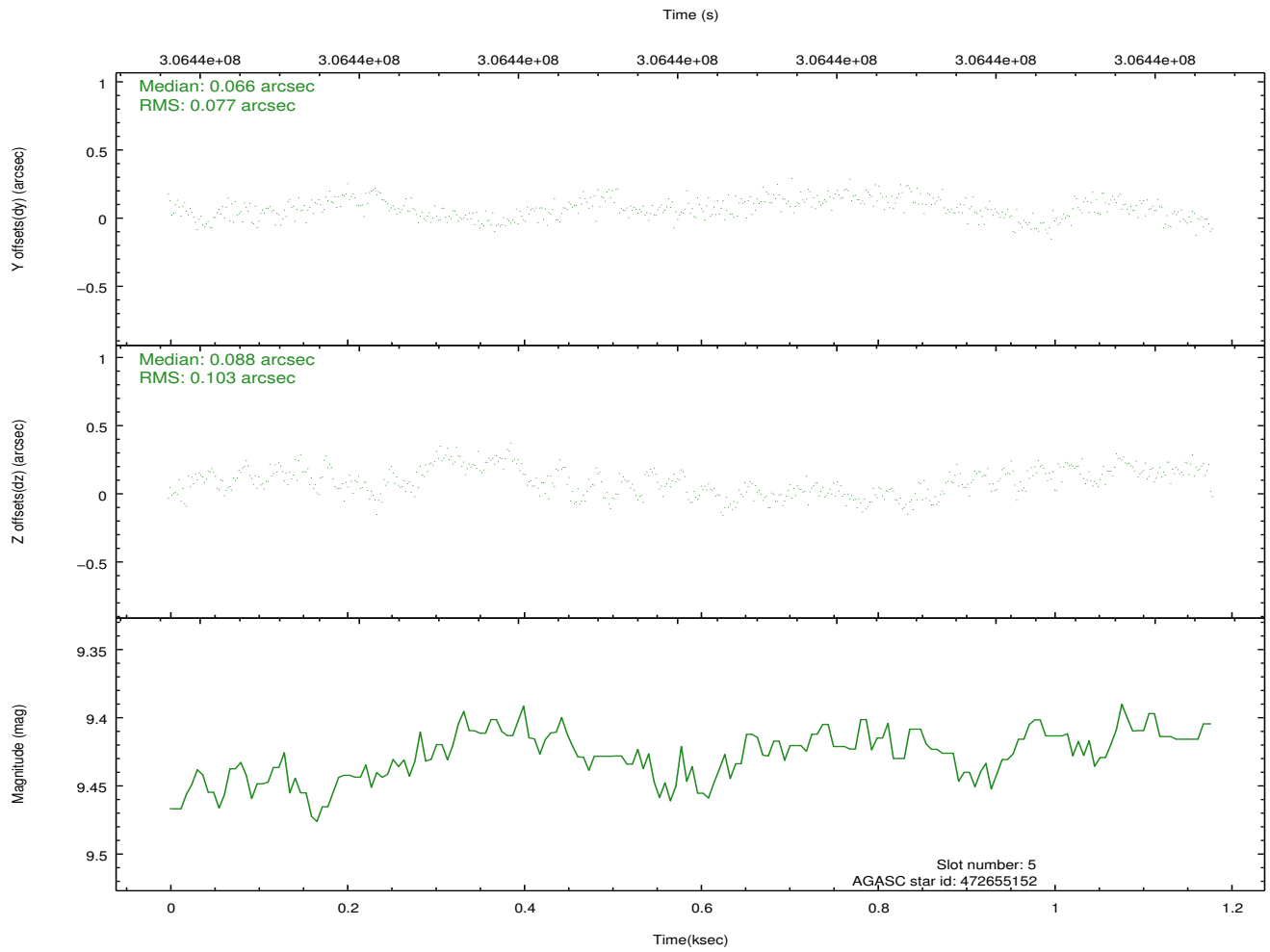
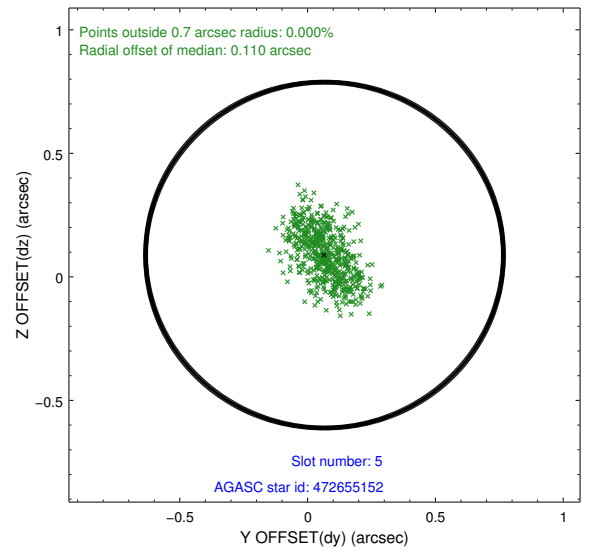
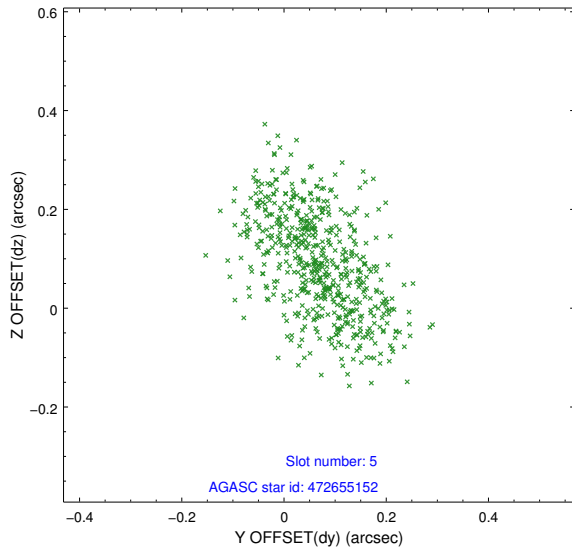
2.4.1 Slot 3



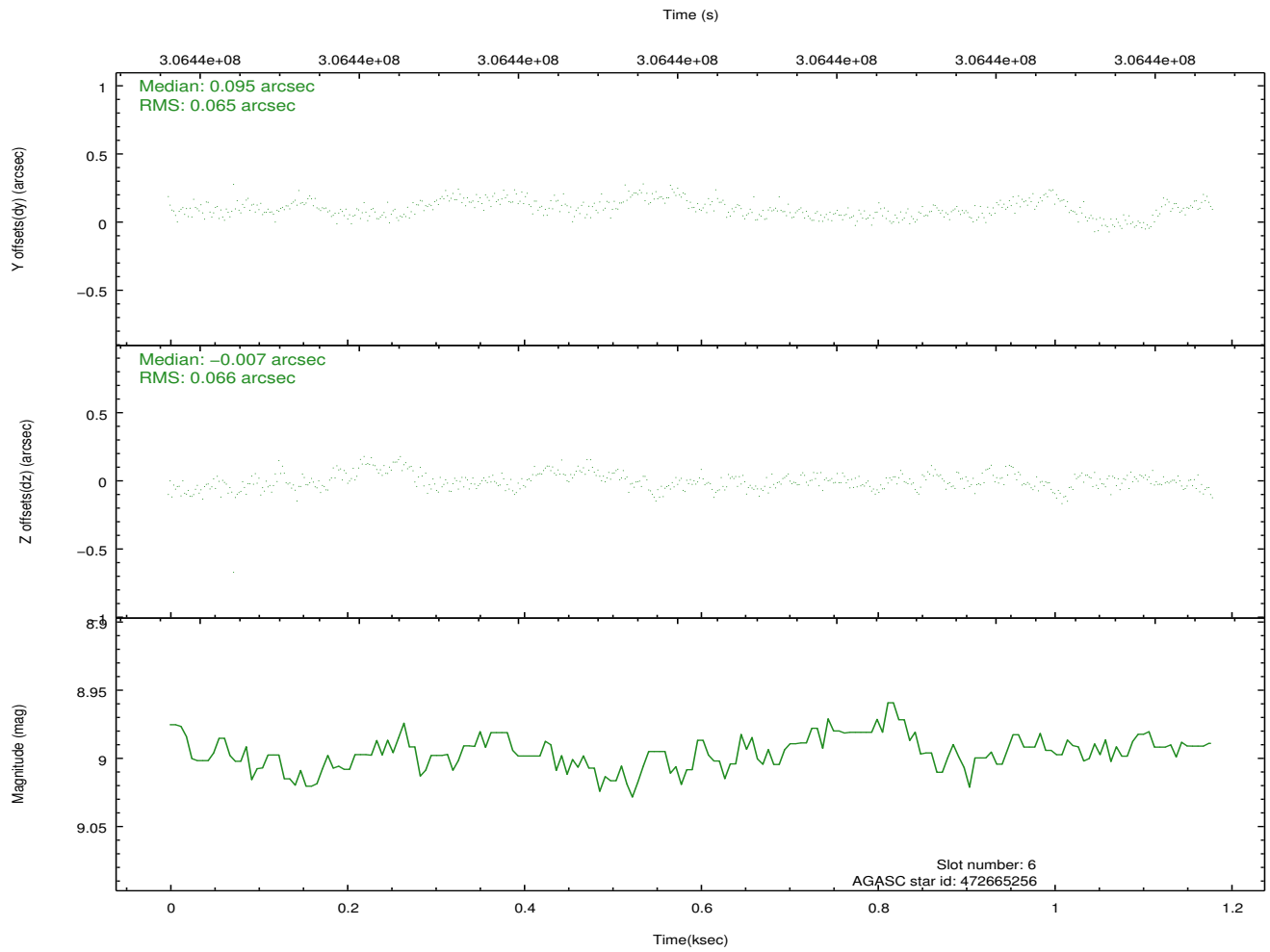
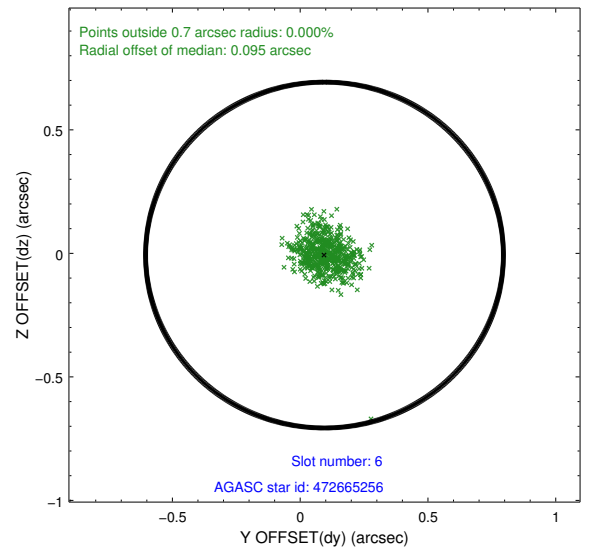
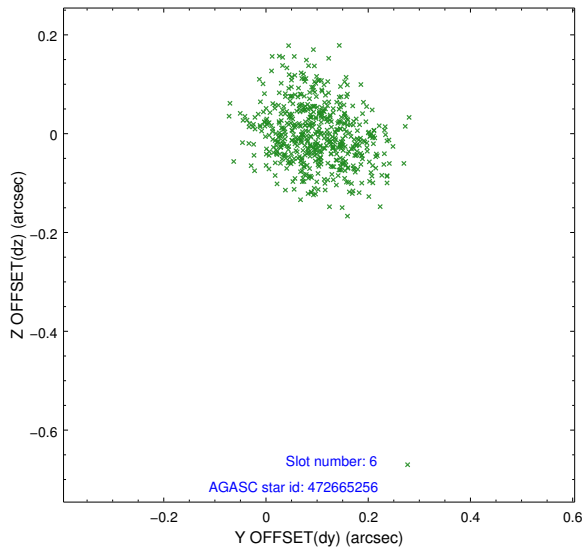
2.4.2 Slot 4



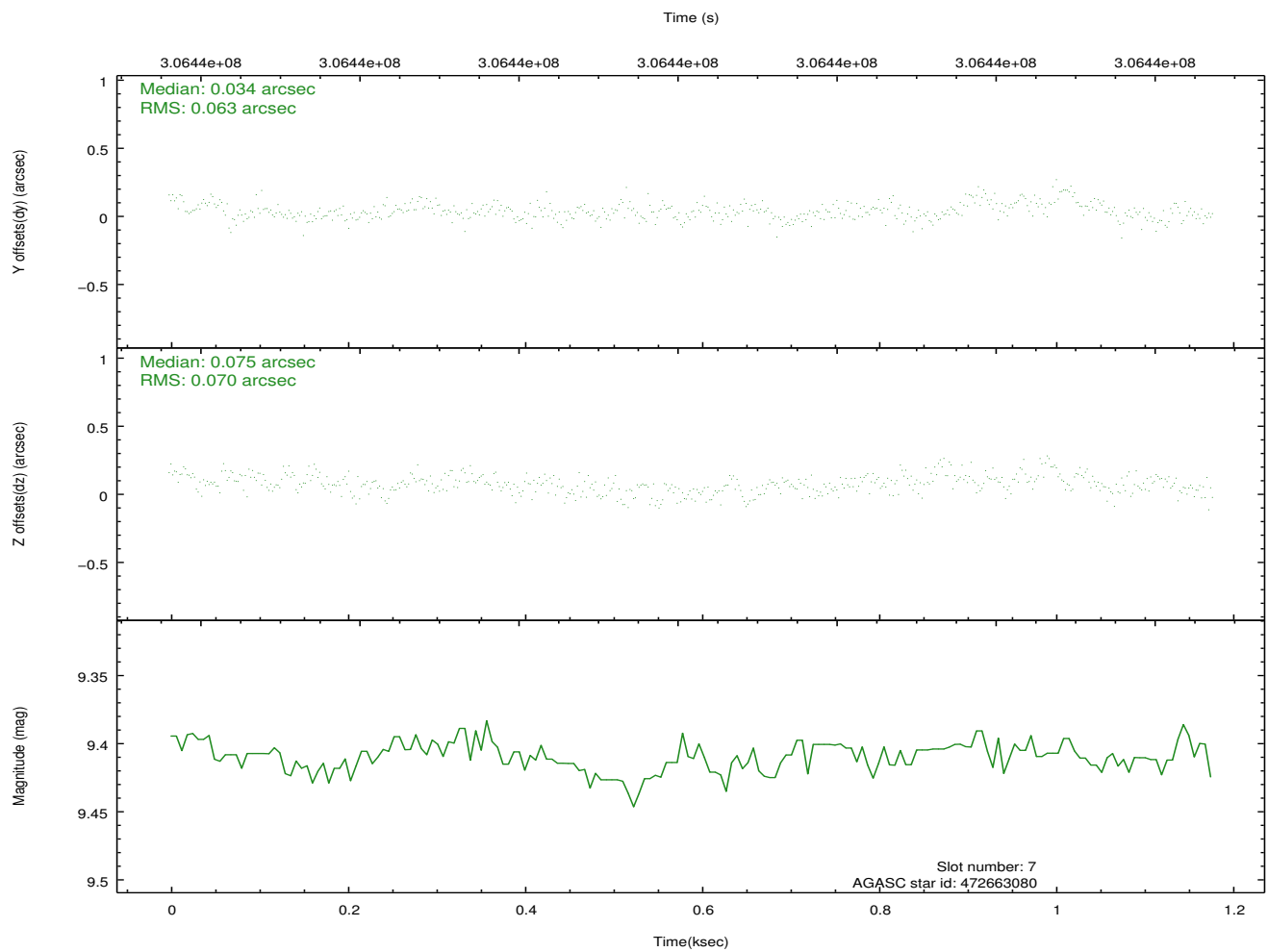
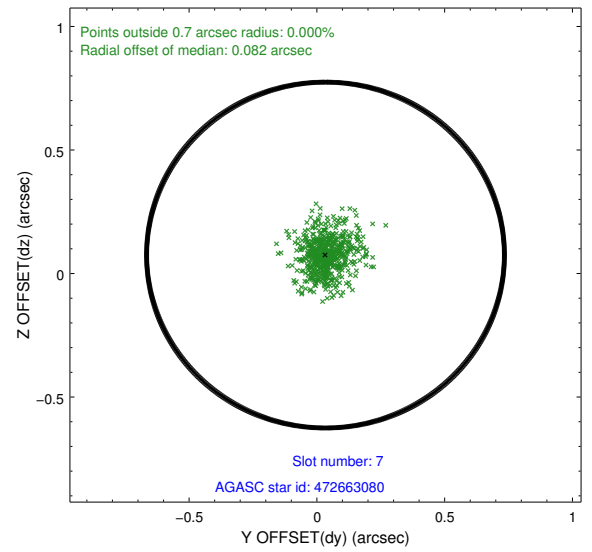
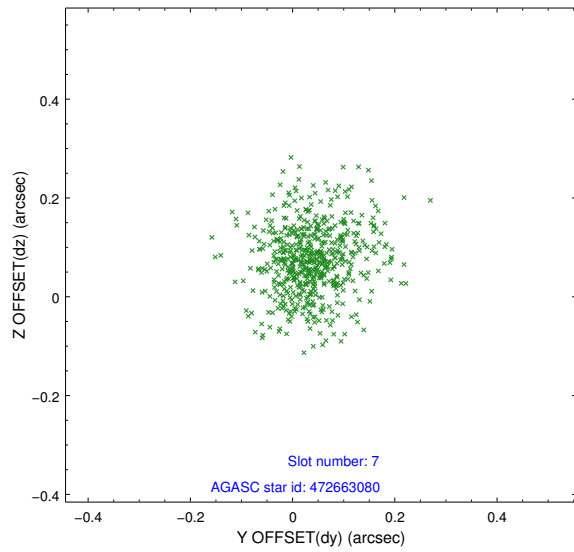
2.4.3 Slot 5



2.4.4 Slot 6

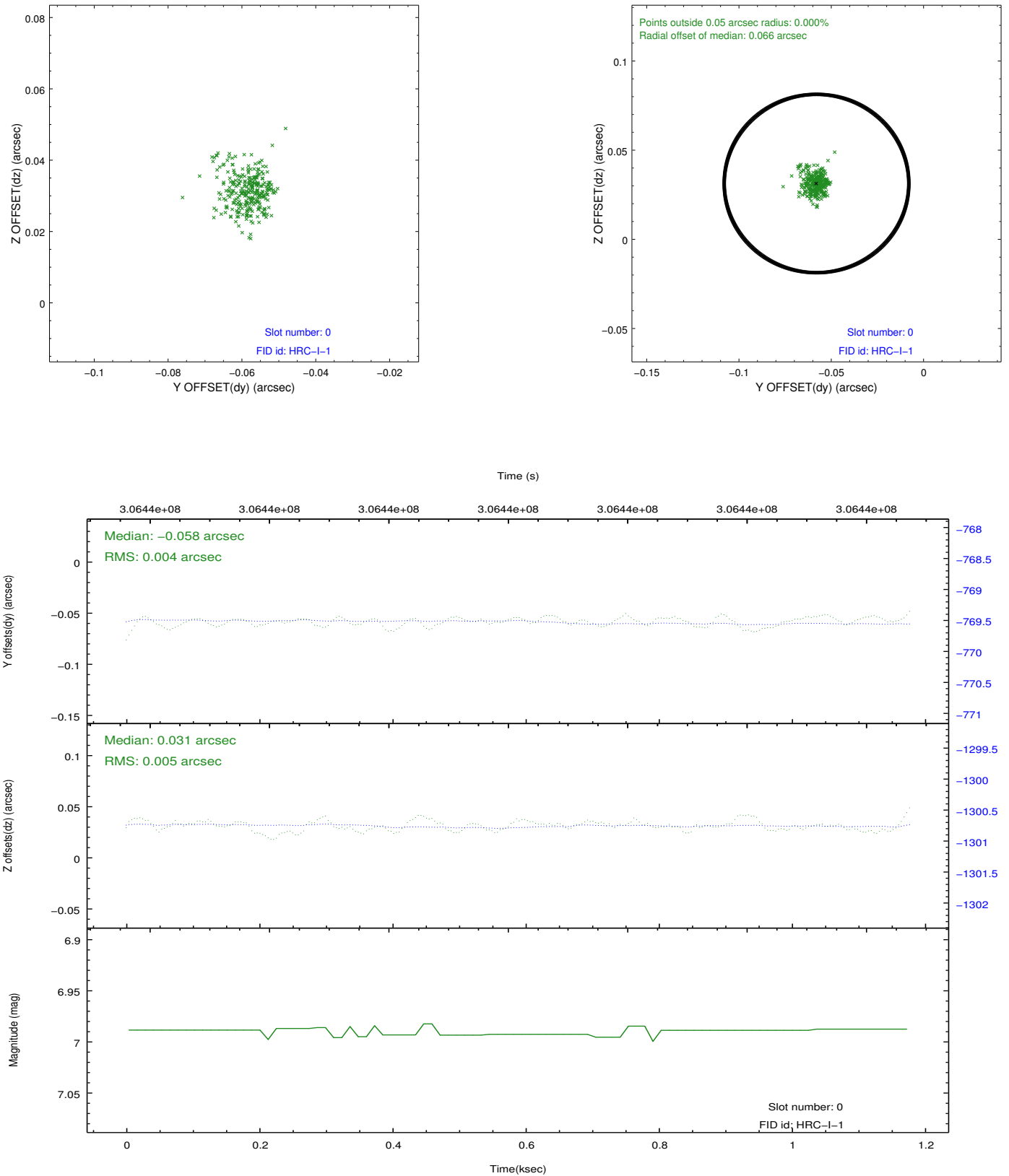


2.4.5 Slot 7

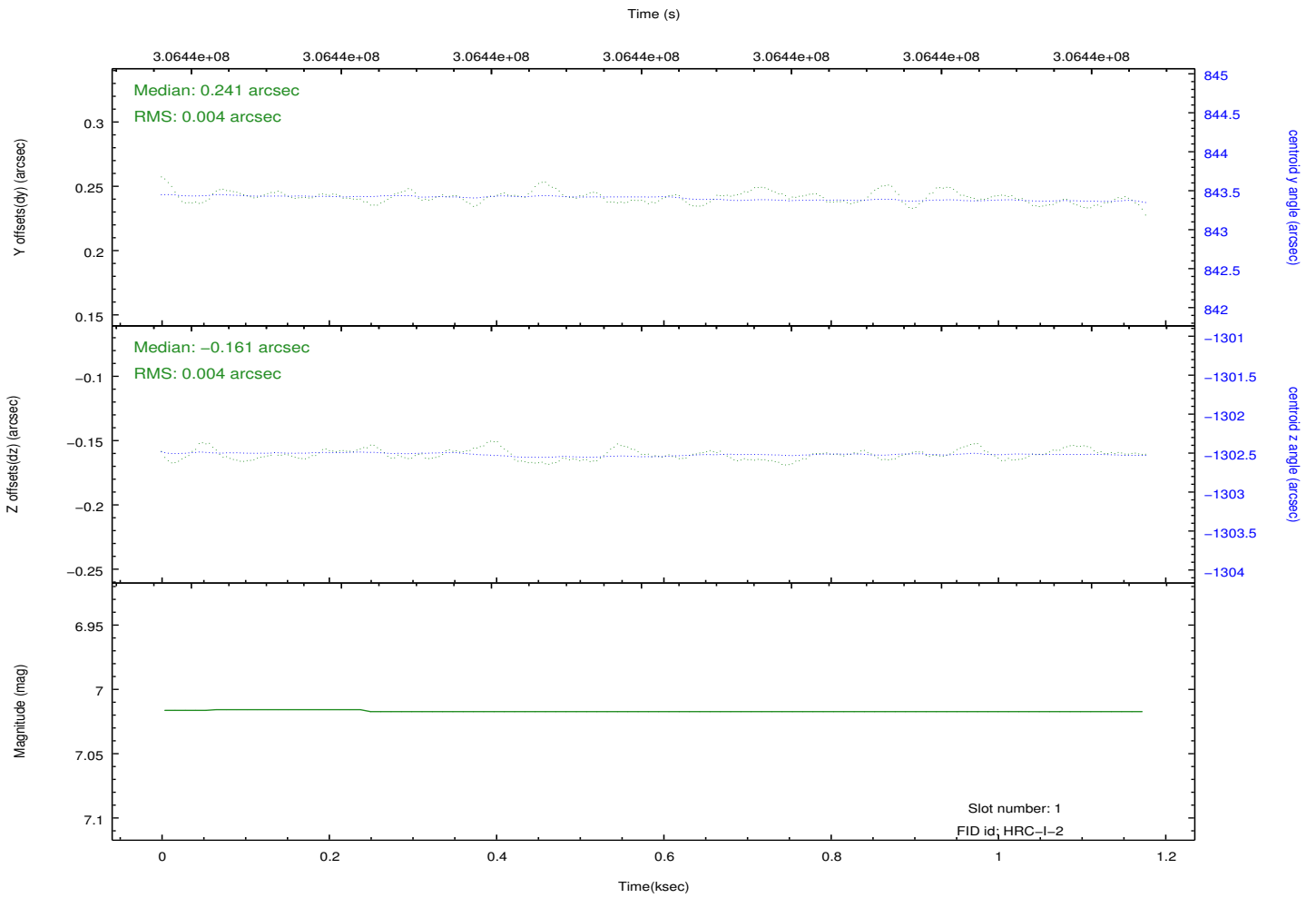
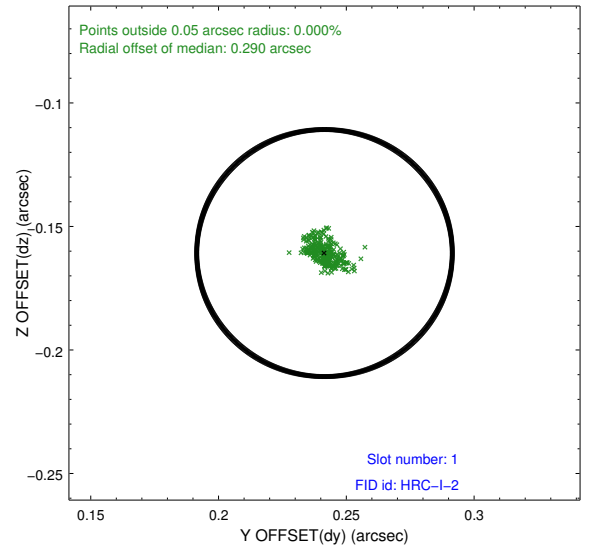
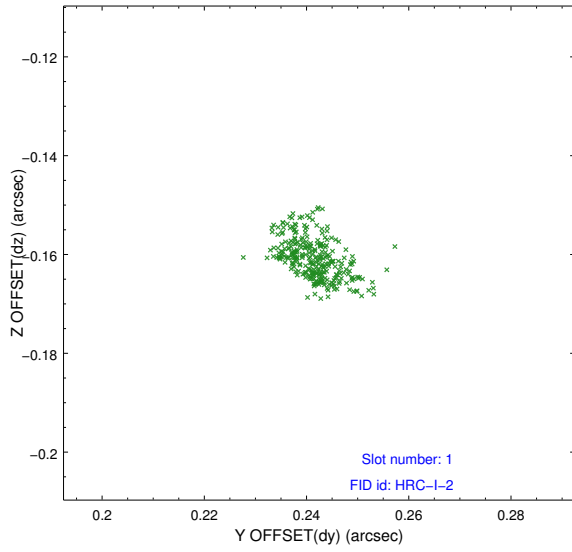


2.5 FID Slots

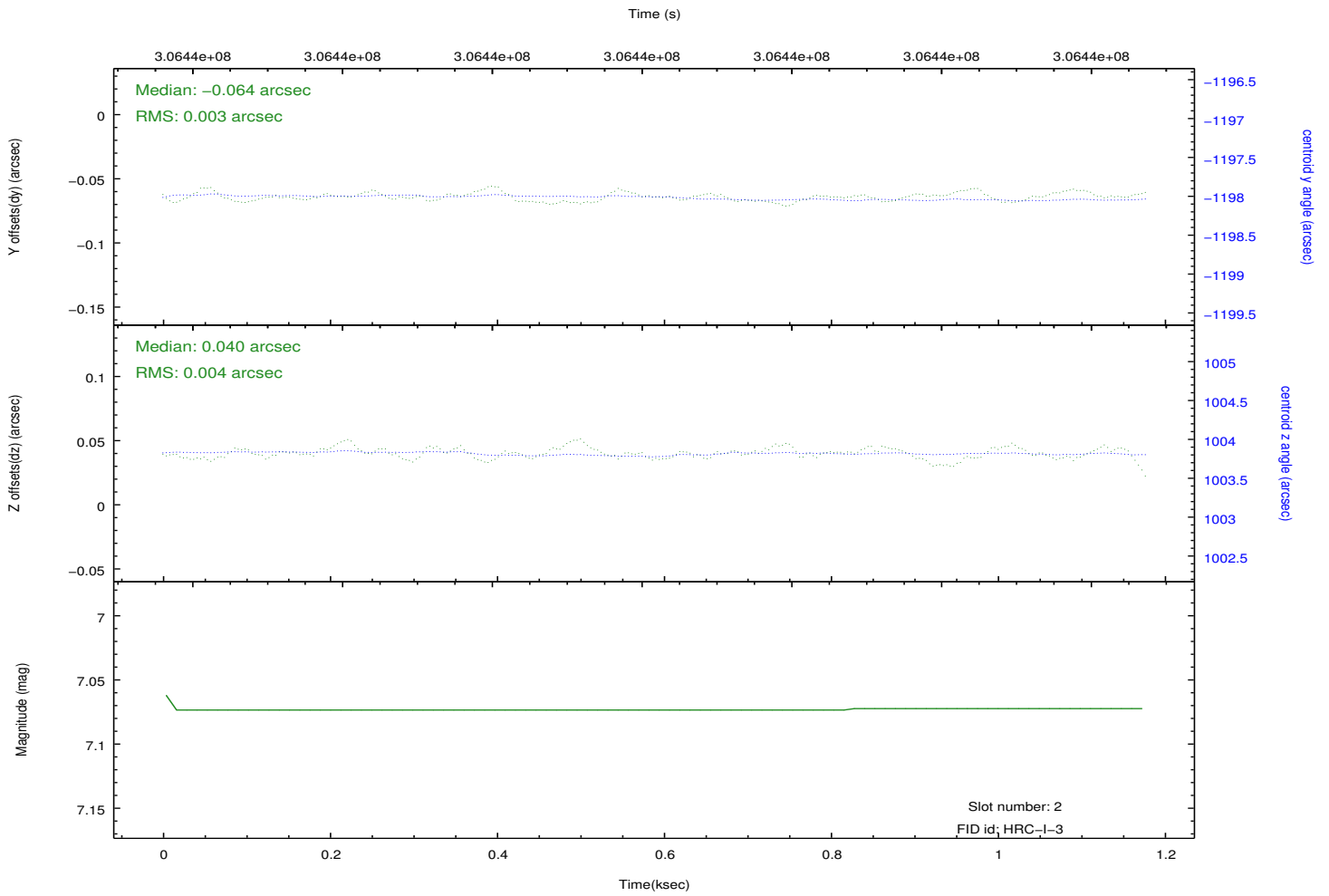
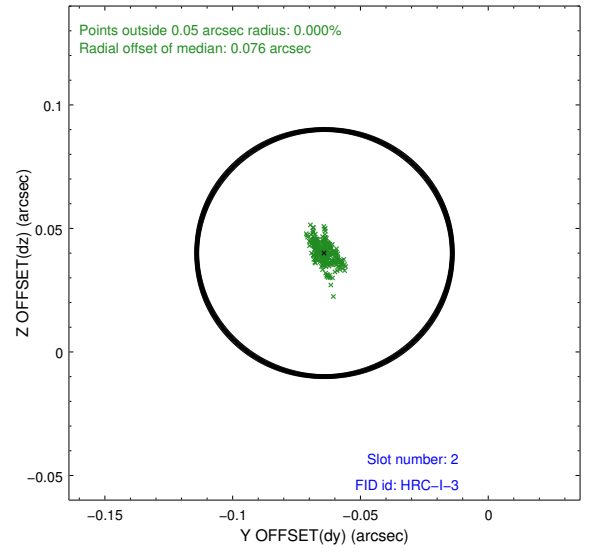
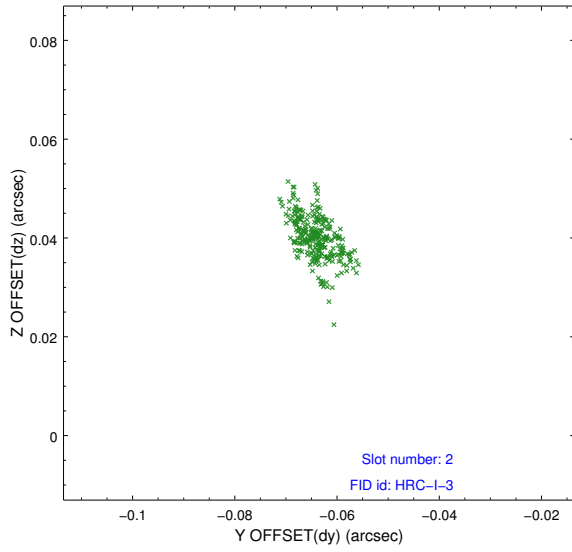
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1800313

A.2 Comments