

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17341 - L2 Version 1
Chandra X-Ray Center

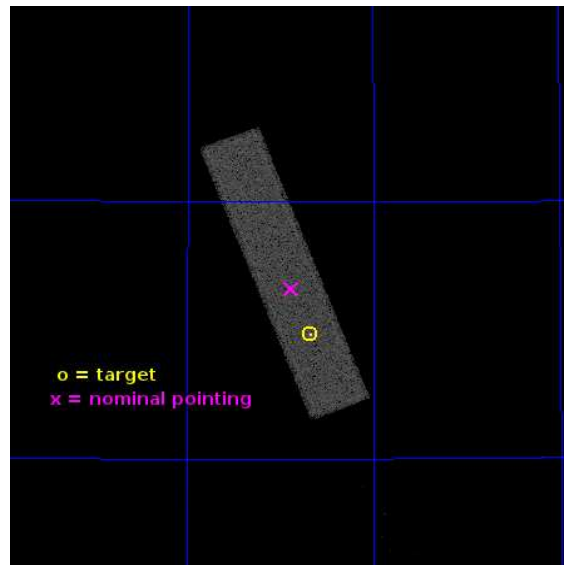
L2 Processing Date : Oct 20 2015

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1 Front

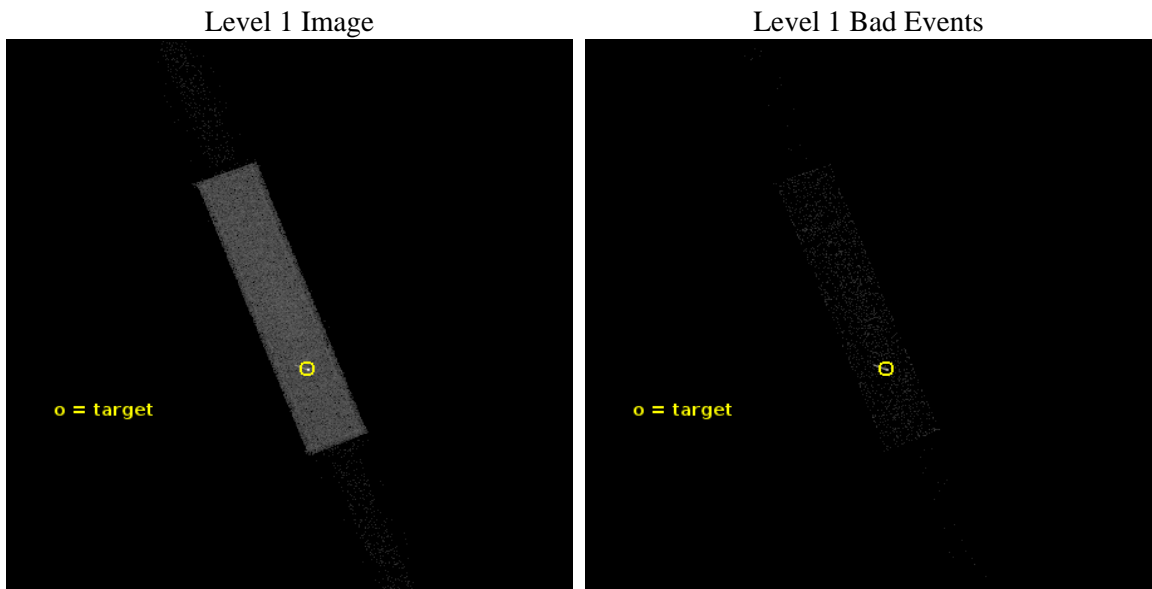
seq_num	291214	Sequence number
obs_id	17341	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22022272143	Nominal RA [deg]
dec_nom	45.83106661803	Nominal Dec [deg]
roll_nom	248.41352891827	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1151.3313149214	[s]
livetime	1144.1685237709	Ontime multiplied by DTCOR
l2events	55016	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	10.4.2.1	Processing system revision	ontime	1151.3313149214	[s]
caldbver	4.6.10a	 	l1events	85298	Number of level 1 events
date	2015-10-20T22:43:20	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

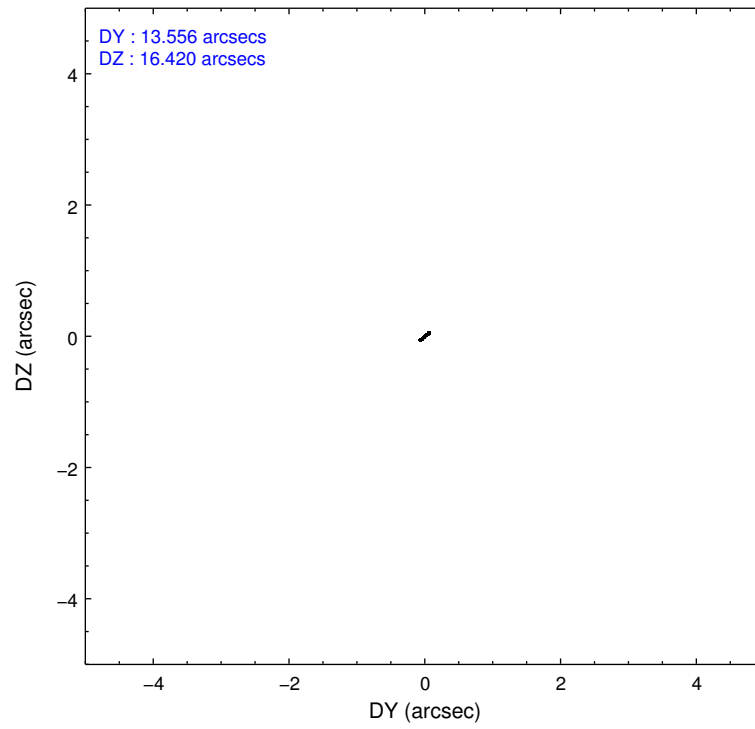
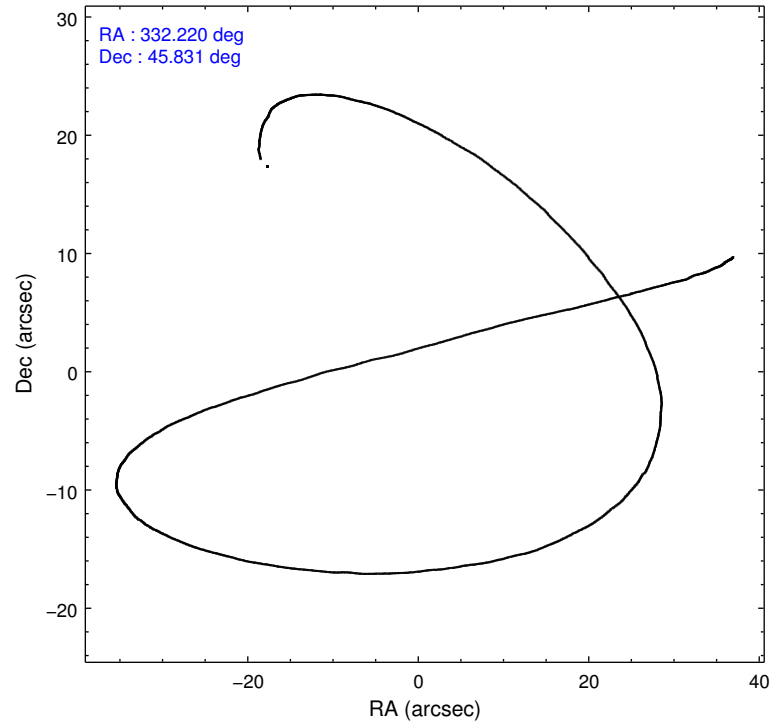
	segment 1	segment 2	segment 3
level 1 events	709	83870	719
rejected events	709	19410	704
rejected %	100%	23%	97%

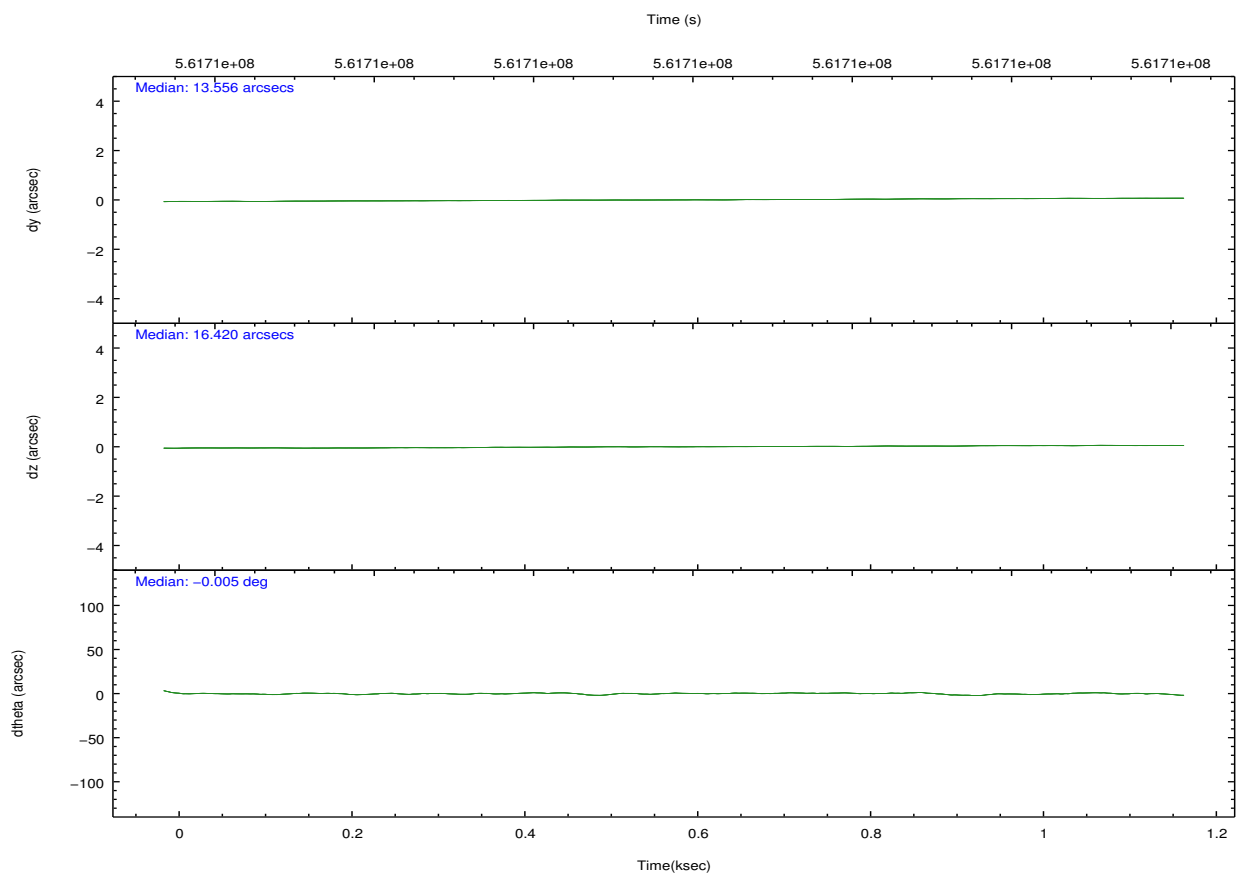
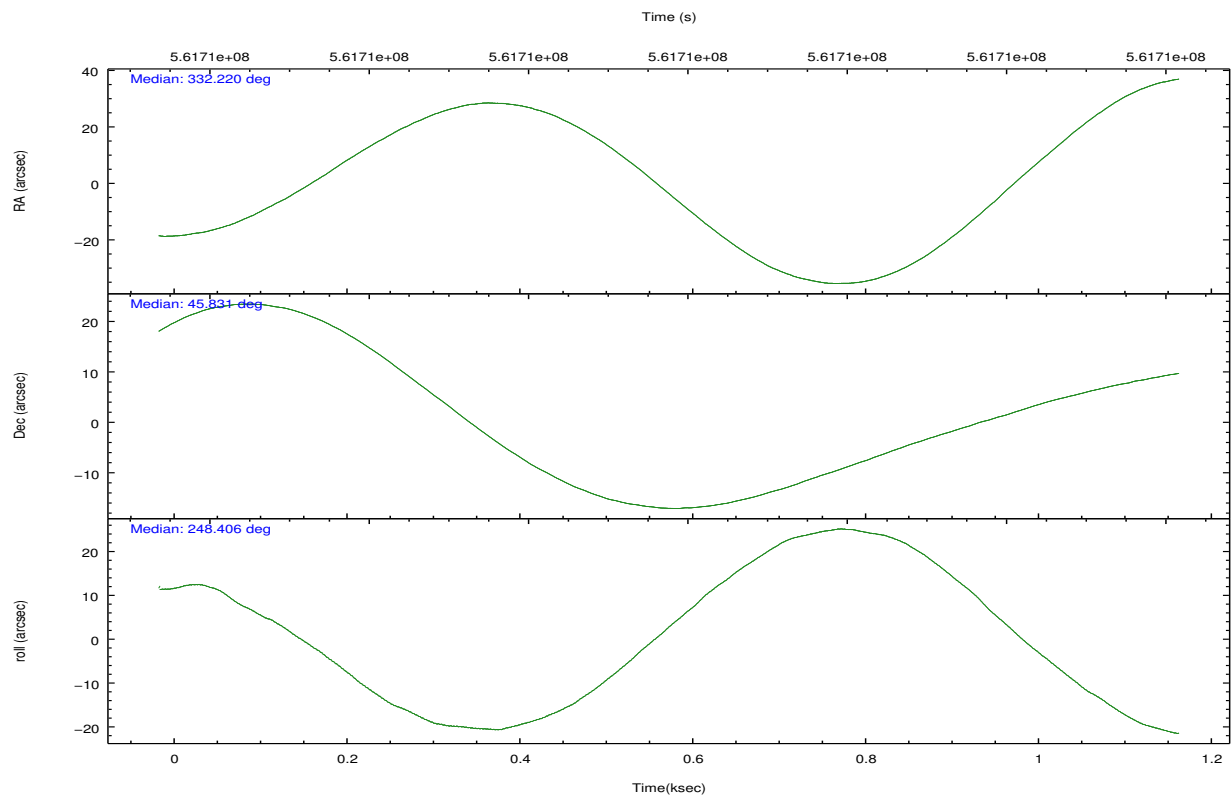
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.212206	332.2202227214282
[deg] Pointing Dec	45.859010	45.83106661803028
[deg] Pointing Roll	248.351977	248.4135289182729
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	561713763.184000	561713387.28409
Observation start date	2015-10-20T07:34:55	2015-10-20T07:29:47
[s] Observation end time (MET)	561714763.184000	561714897.10917
Observation end date	2015-10-20T07:51:35	2015-10-20T07:54:57

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

2.3 Aspect



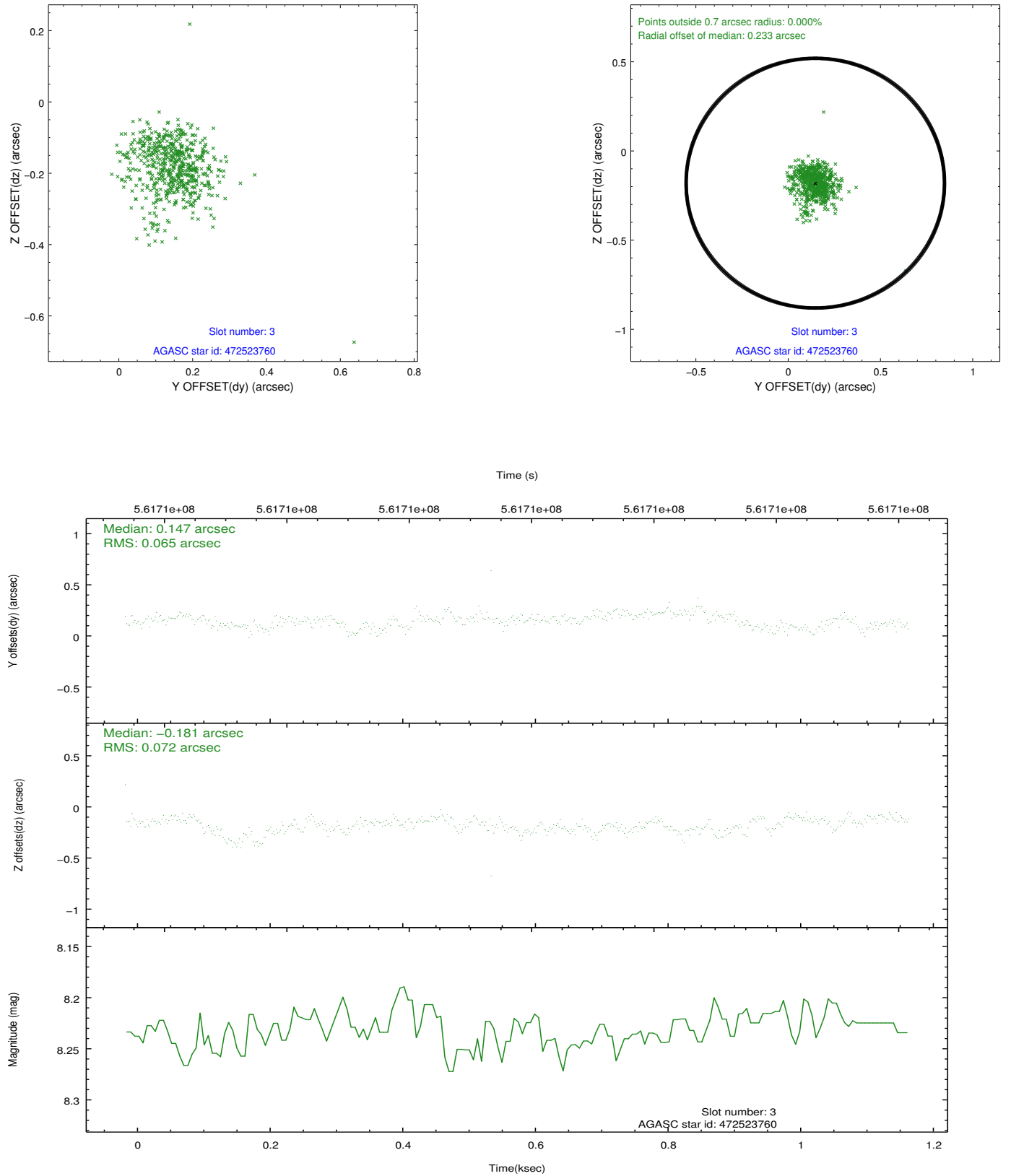


Slot Statistics

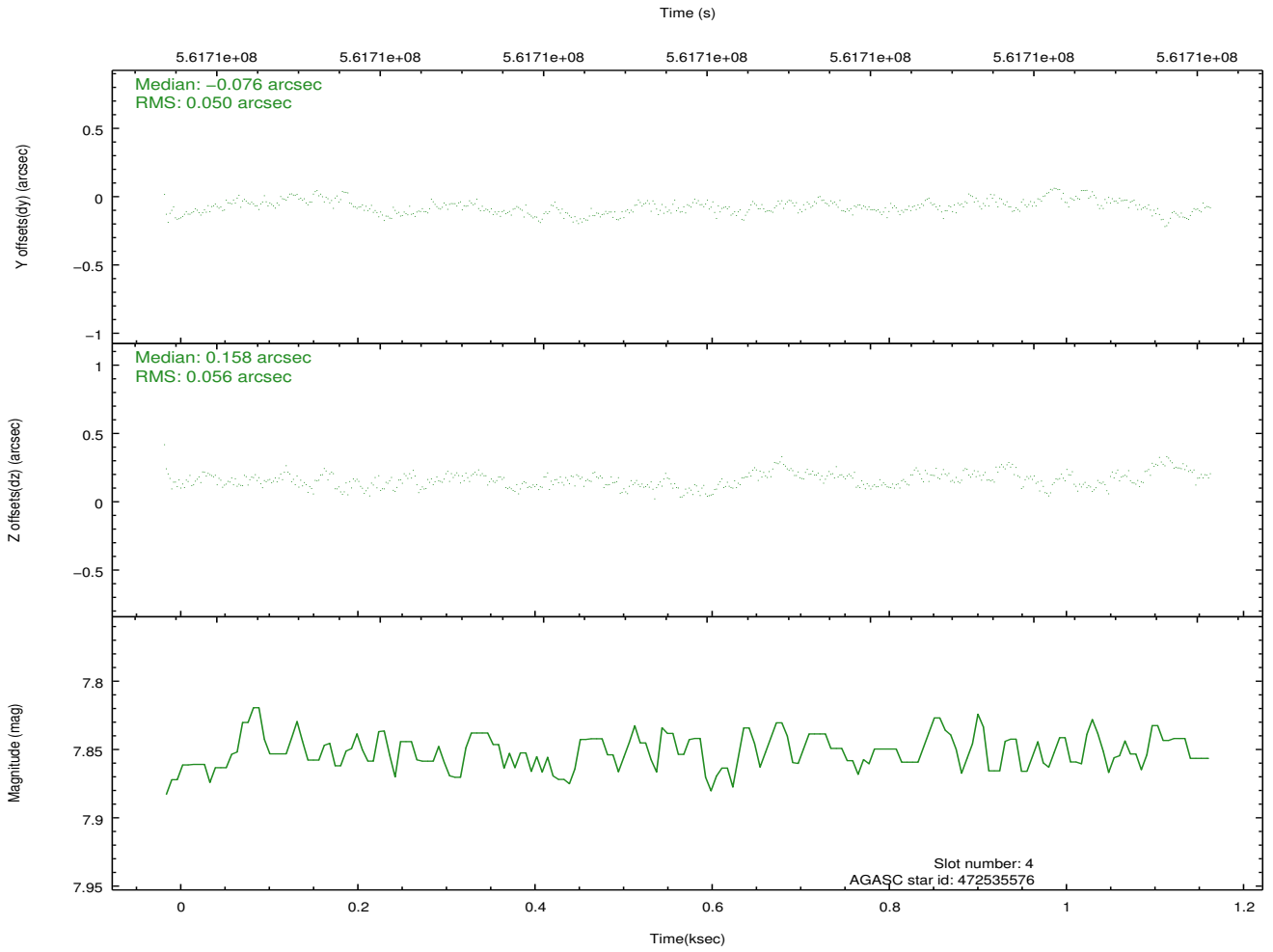
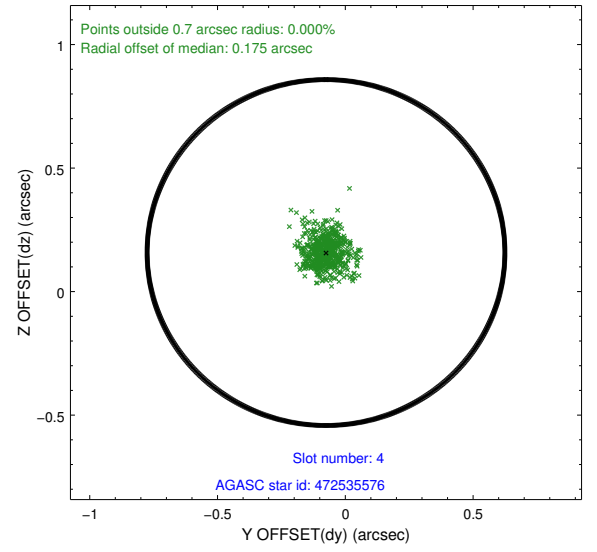
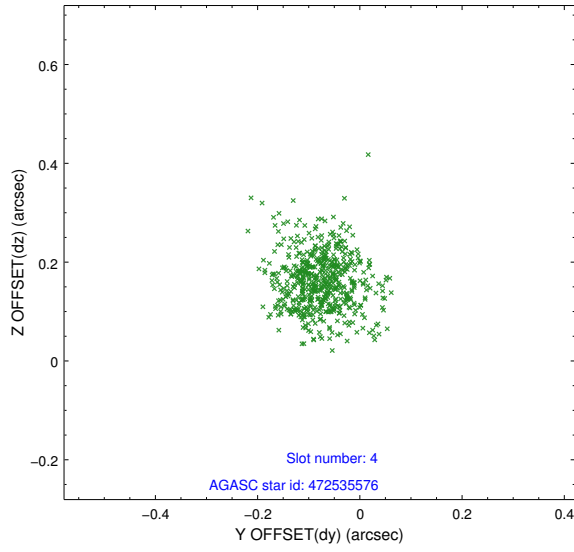
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.03	288	-0.005	-0.189	0.007	0.012	0.000000	0.000000	-1167.97	-465.37
1	FID		HRC-S-2	7.01	288	0.332	-0.129	0.004	0.009	0.000000	0.000000	1227.96	-459.49
2	FID		HRC-S-3	7.02	288	0.063	0.016	0.008	0.013	0.000000	0.000000	-1166.39	562.76
3	GUIDE	used	472523760	8.23	577	0.147	-0.181	0.099	0.164	331.645363	45.403260	2050.73	-727.38
4	GUIDE	used	472535576	7.85	577	-0.076	0.158	0.079	0.129	331.438373	46.291802	-741.44	-2367.63
5	GUIDE	used	472665256	8.99	577	0.144	-0.141	0.120	0.306	332.808125	46.195041	-1677.12	928.43
6	GUIDE	used	472536328	8.11	577	0.013	0.248	0.094	0.162	331.496671	46.454831	-1347.50	-2441.08
7	GUIDE	used	472660976	8.60	575	-0.237	-0.078	0.138	0.271	333.433329	46.196713	-2276.04	2367.57

2.4 Star Slots

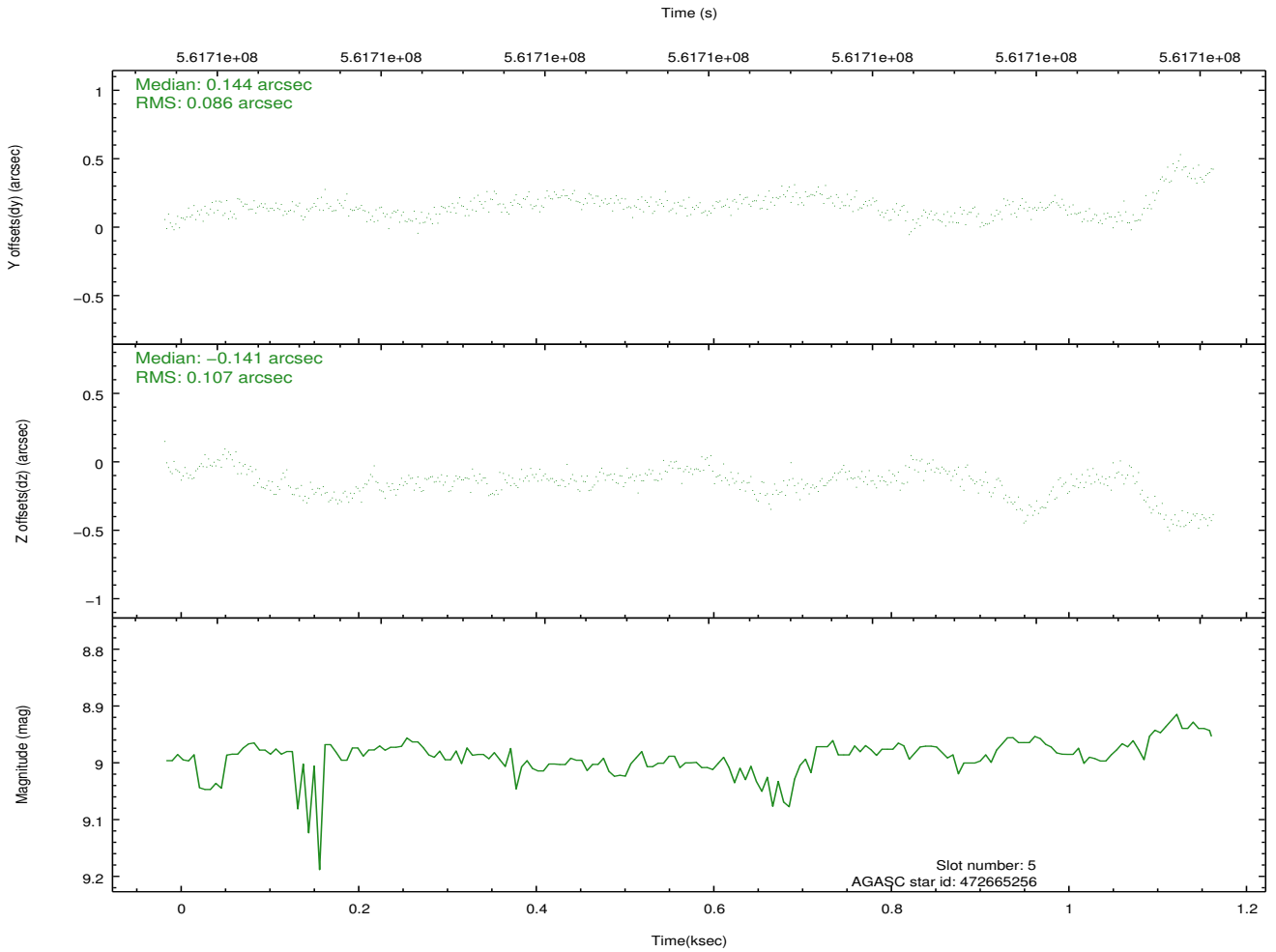
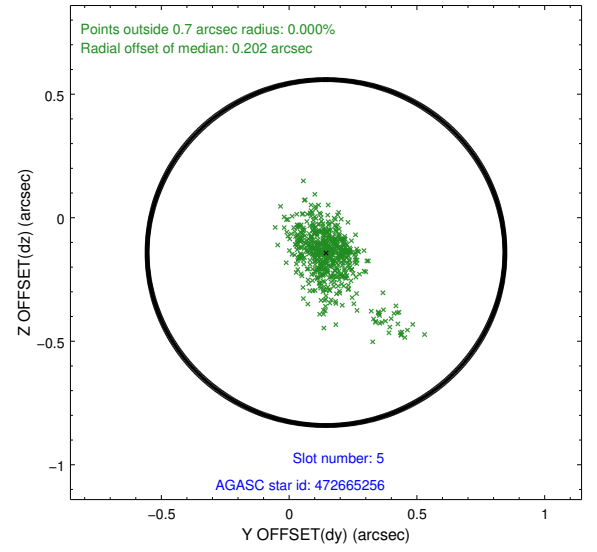
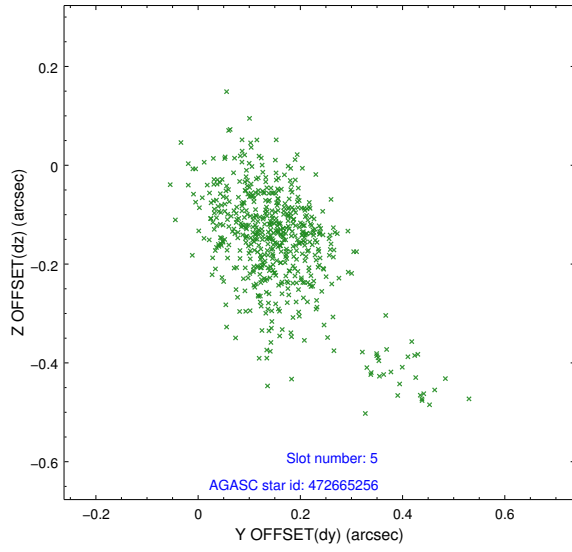
2.4.1 Slot 3



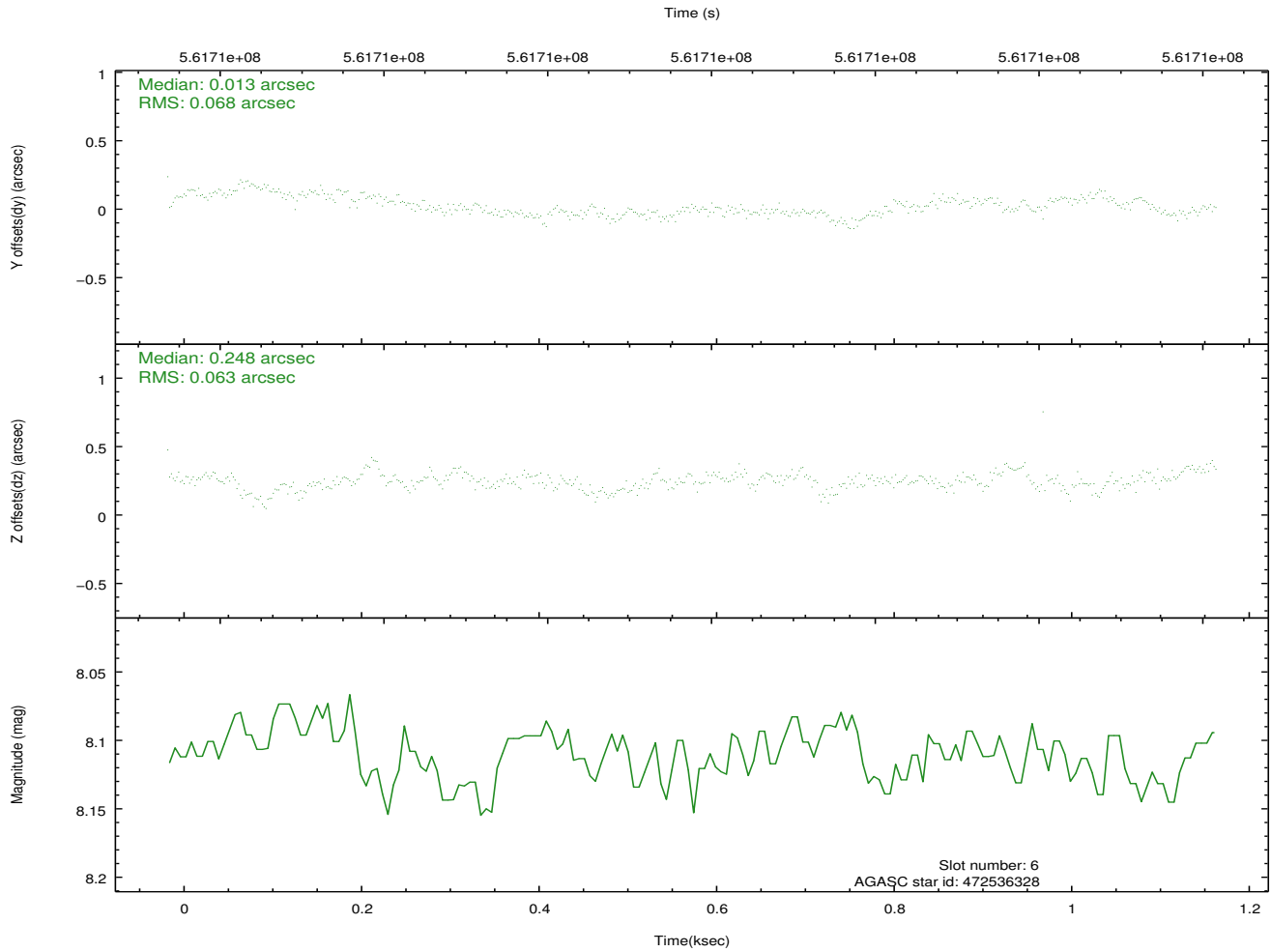
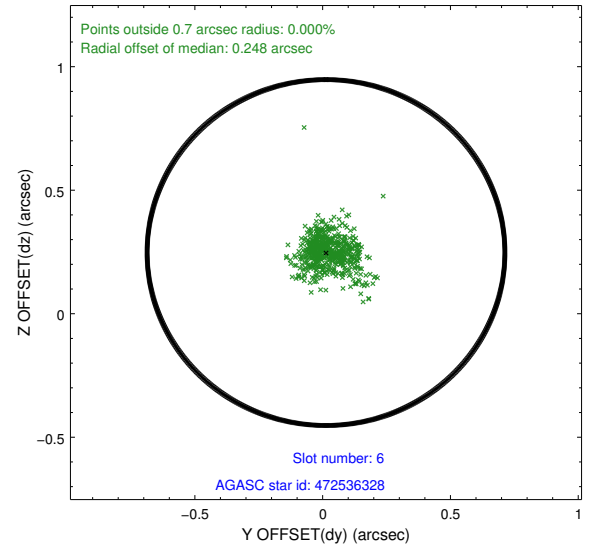
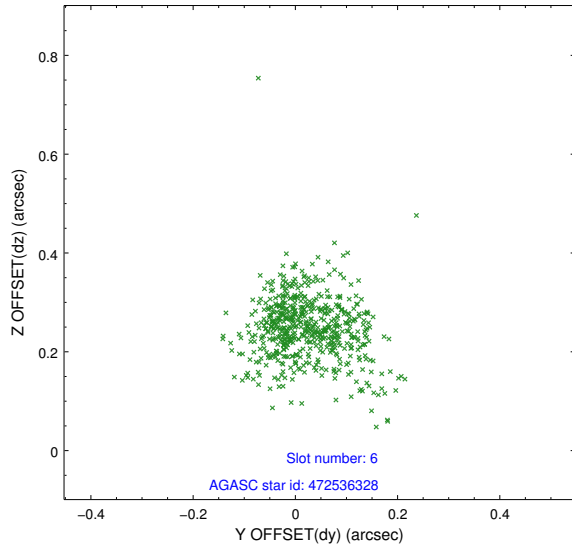
2.4.2 Slot 4



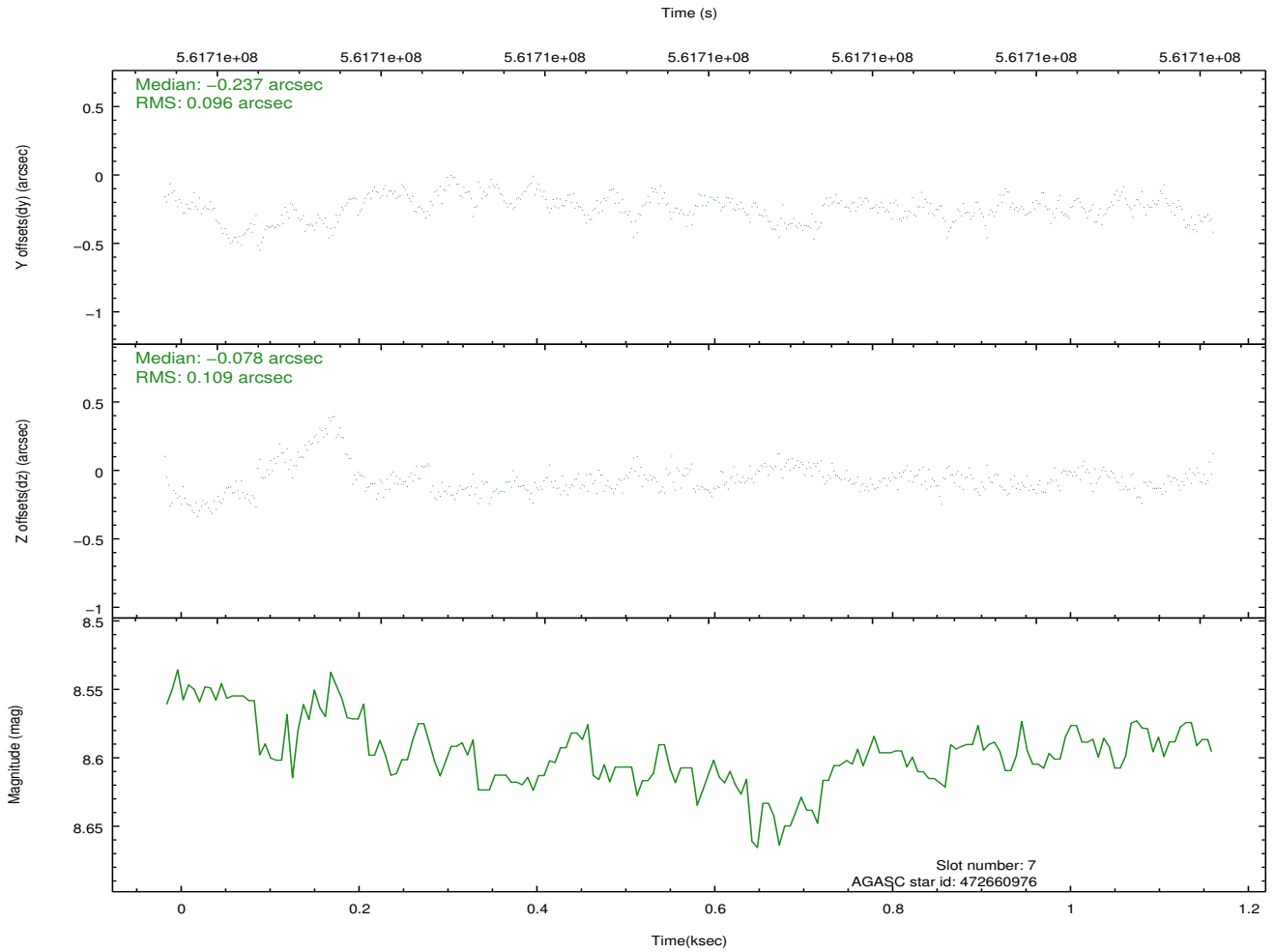
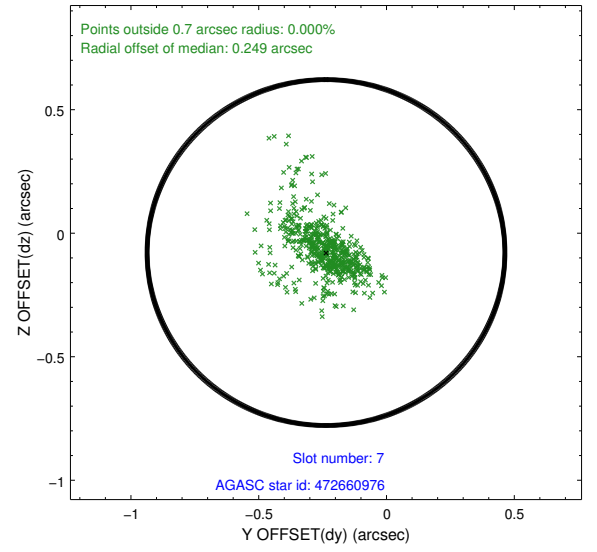
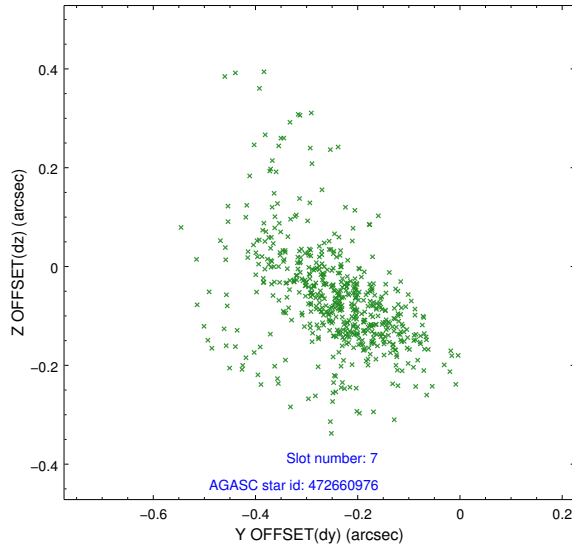
2.4.3 Slot 5



2.4.4 Slot 6

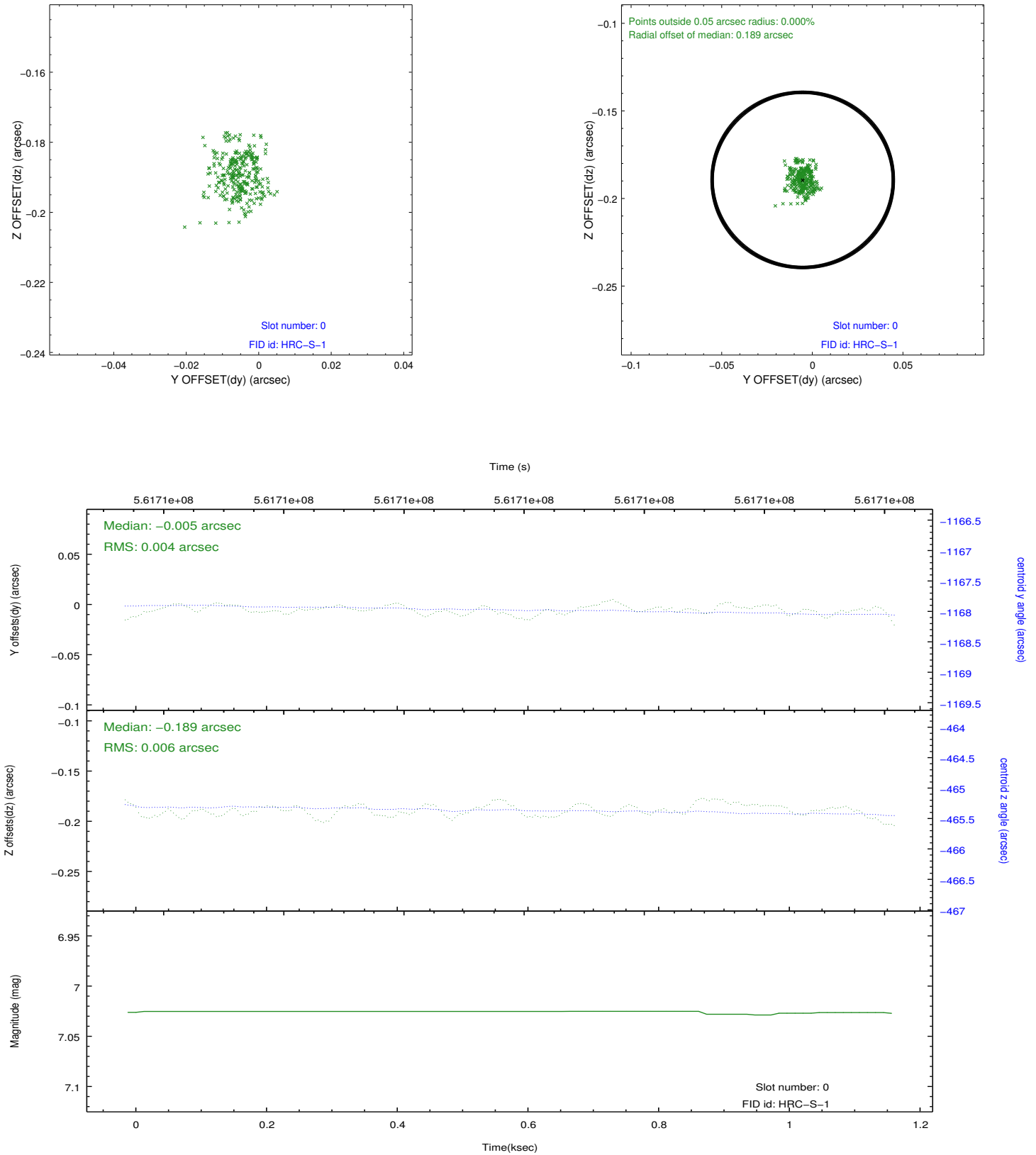


2.4.5 Slot 7

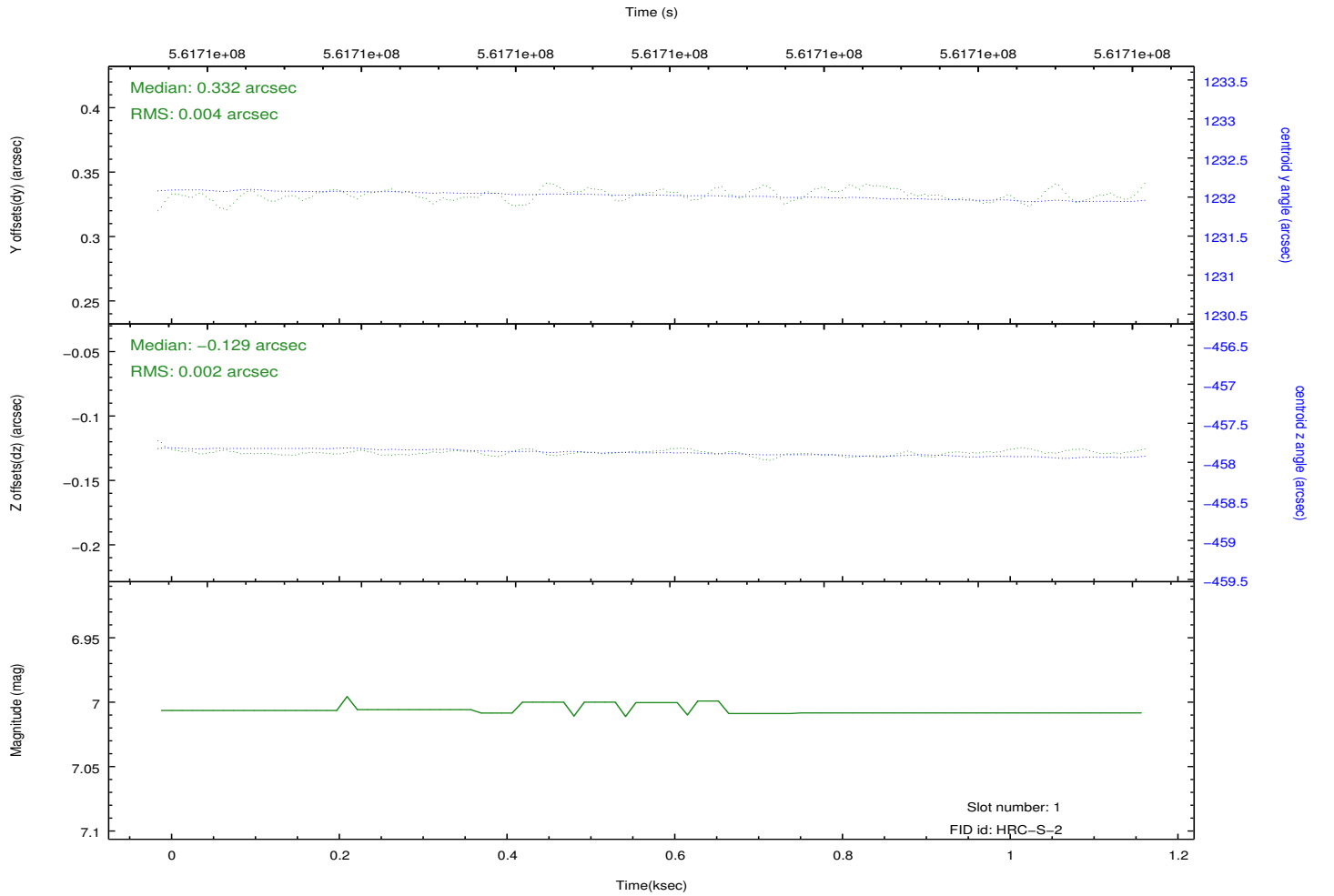
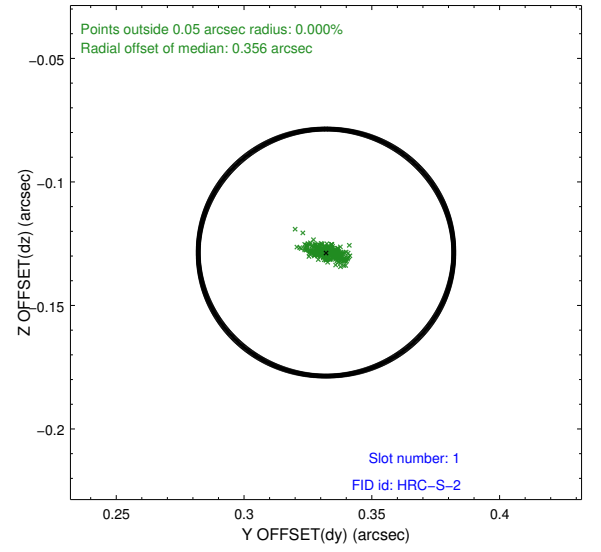
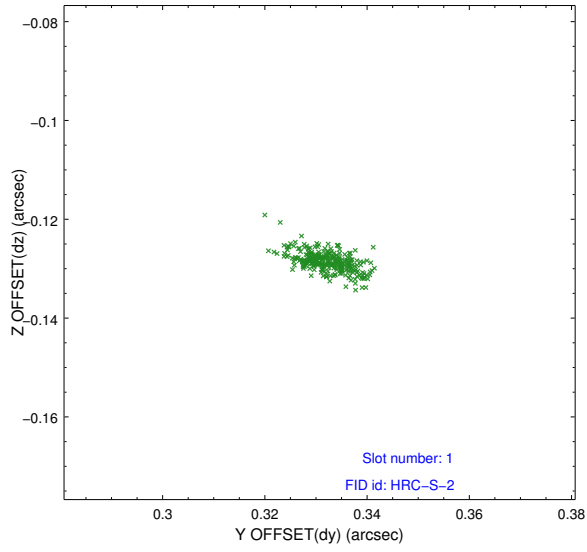


2.5 FID Slots

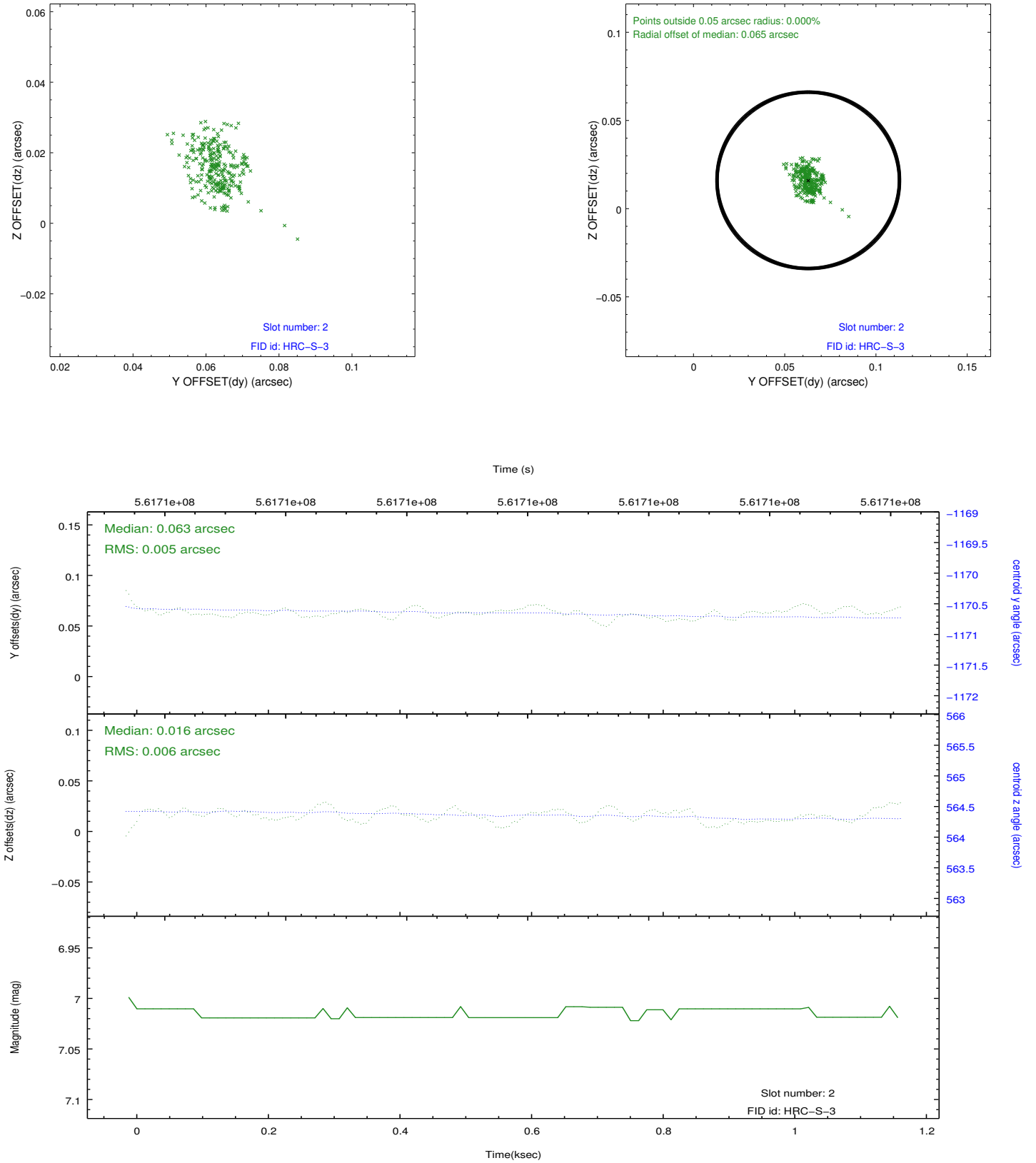
2.5.1 Slot 0



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)	2015.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1513313149214

A.2 Comments