

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17349 - L2 Version 1
Chandra X-Ray Center

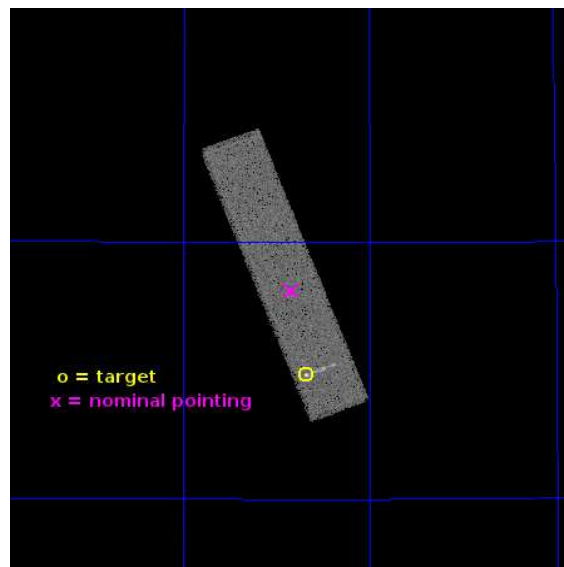
L2 Processing Date : Oct 20 2015

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1 Front

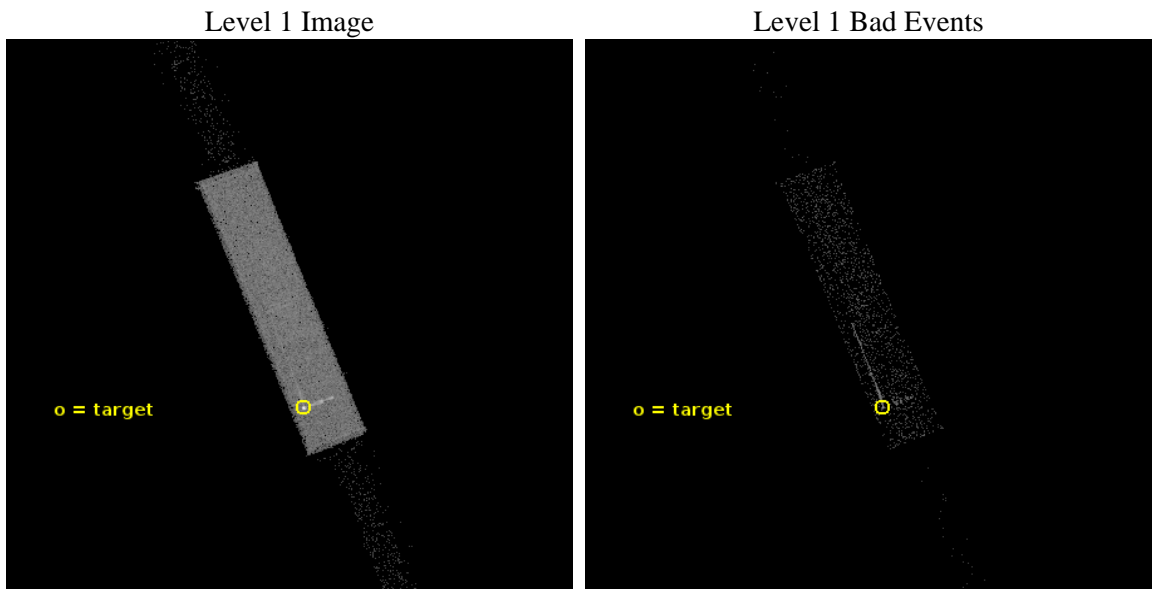
seq_num	291222	Sequence number
obs_id	17349	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.2095427343	Nominal RA [deg]
dec_nom	45.905804008577	Nominal Dec [deg]
roll_nom	248.53797181833	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1155.4313155413	[s]
livetime	1148.4865299676	Ontime multiplied by DTCOR
l2events	51254	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	1155.4313155413	[s]
caldbver	4.6.10a	 	l1events	80514	Number of level 1 events
date	2015-10-20T22:48:43	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

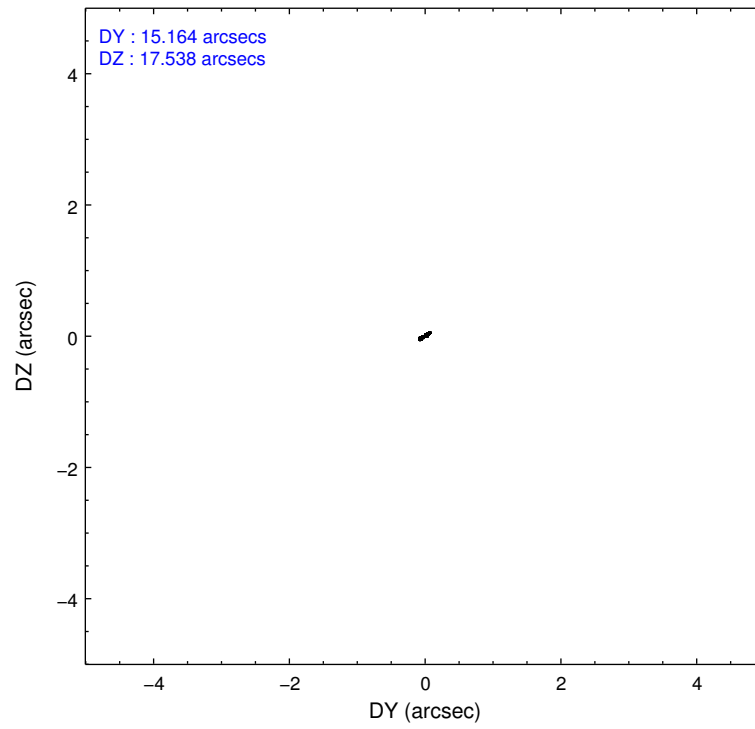
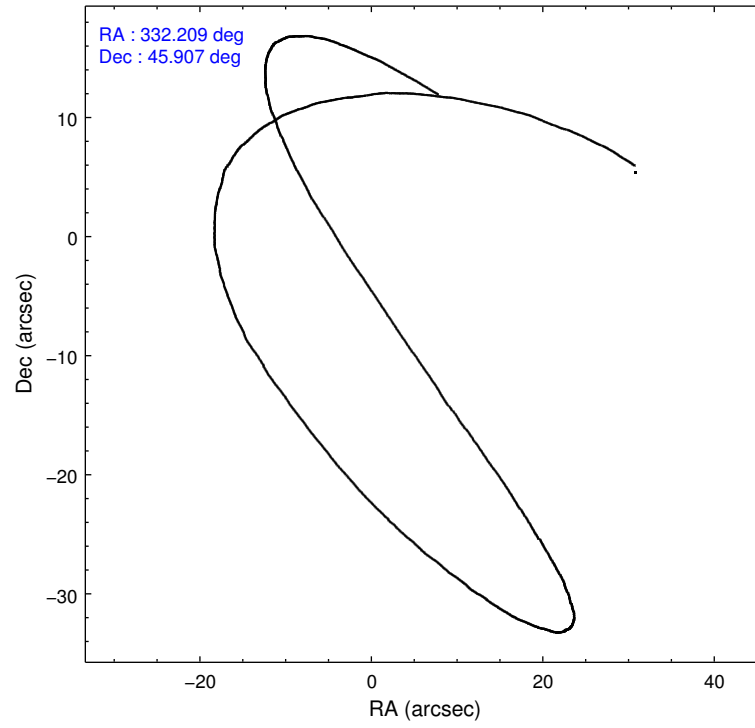
	segment 1	segment 2	segment 3
level 1 events	633	79204	677
rejected events	633	18454	677
rejected %	100%	23%	100%

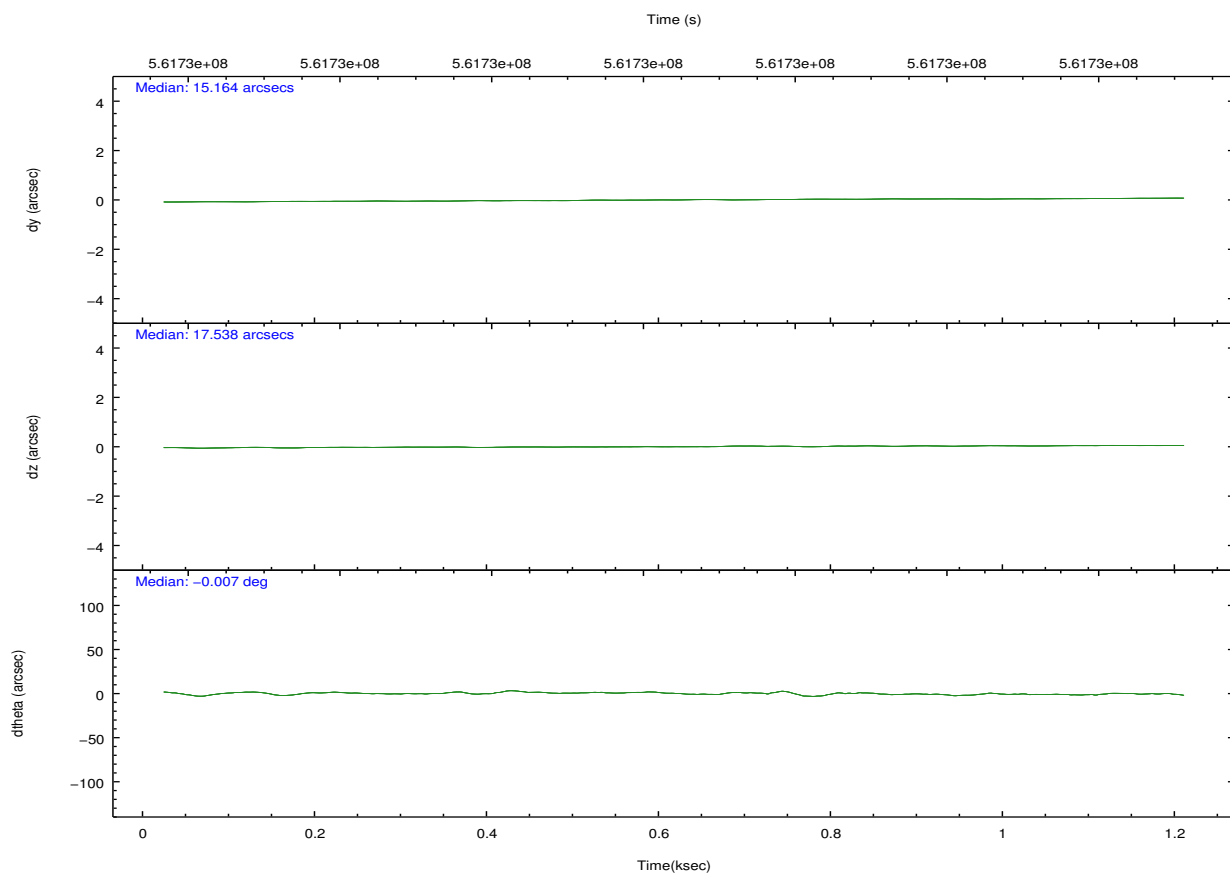
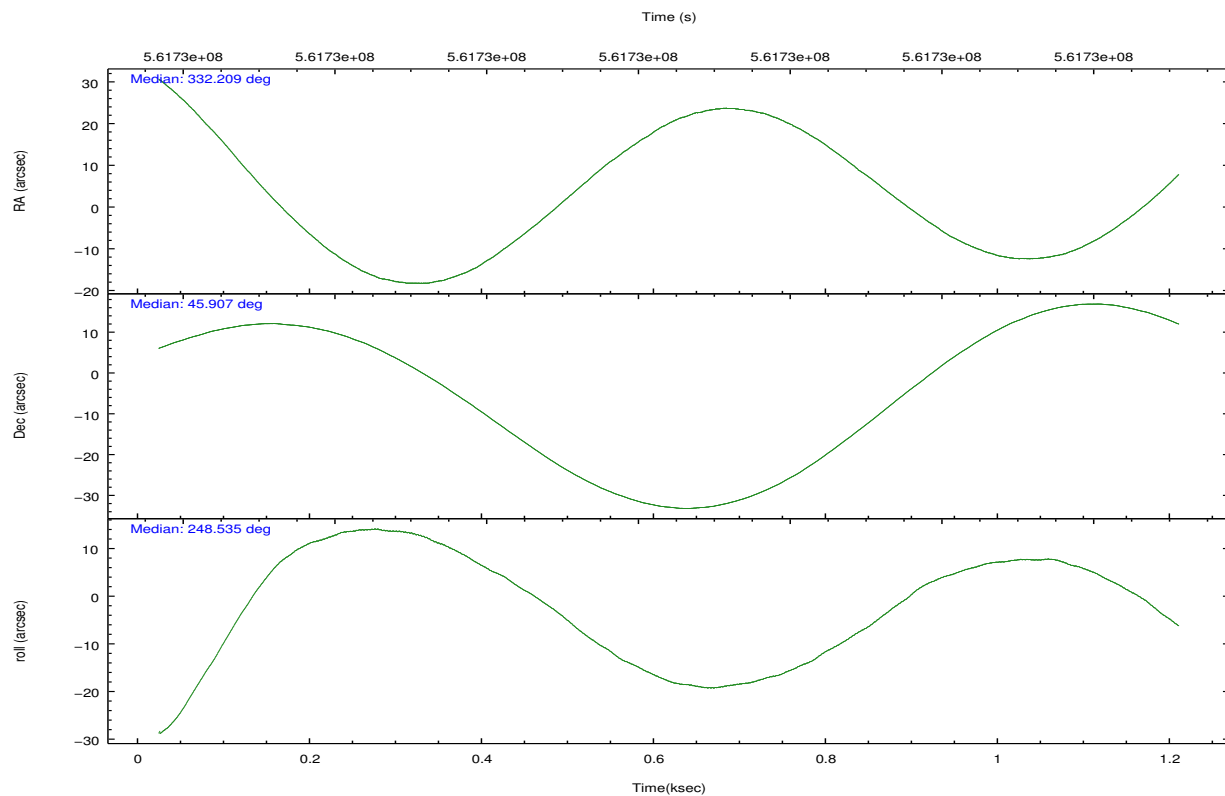
2.2 Compared Parameters

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	332.202464	332.2095427342981
[deg] Pointing Dec	45.933316	45.90580400857711
[deg] Pointing Roll	248.475743	248.5379718183271
[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)	561725843.184000	561725466.90977
Observation start date	2015-10-20T10:56:15	2015-10-20T10:51:06
[s] Observation end time (MET)	561726843.184000	561726976.7348599
Observation end date	2015-10-20T11:12:55	2015-10-20T11:16:16

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

2.3 Aspect



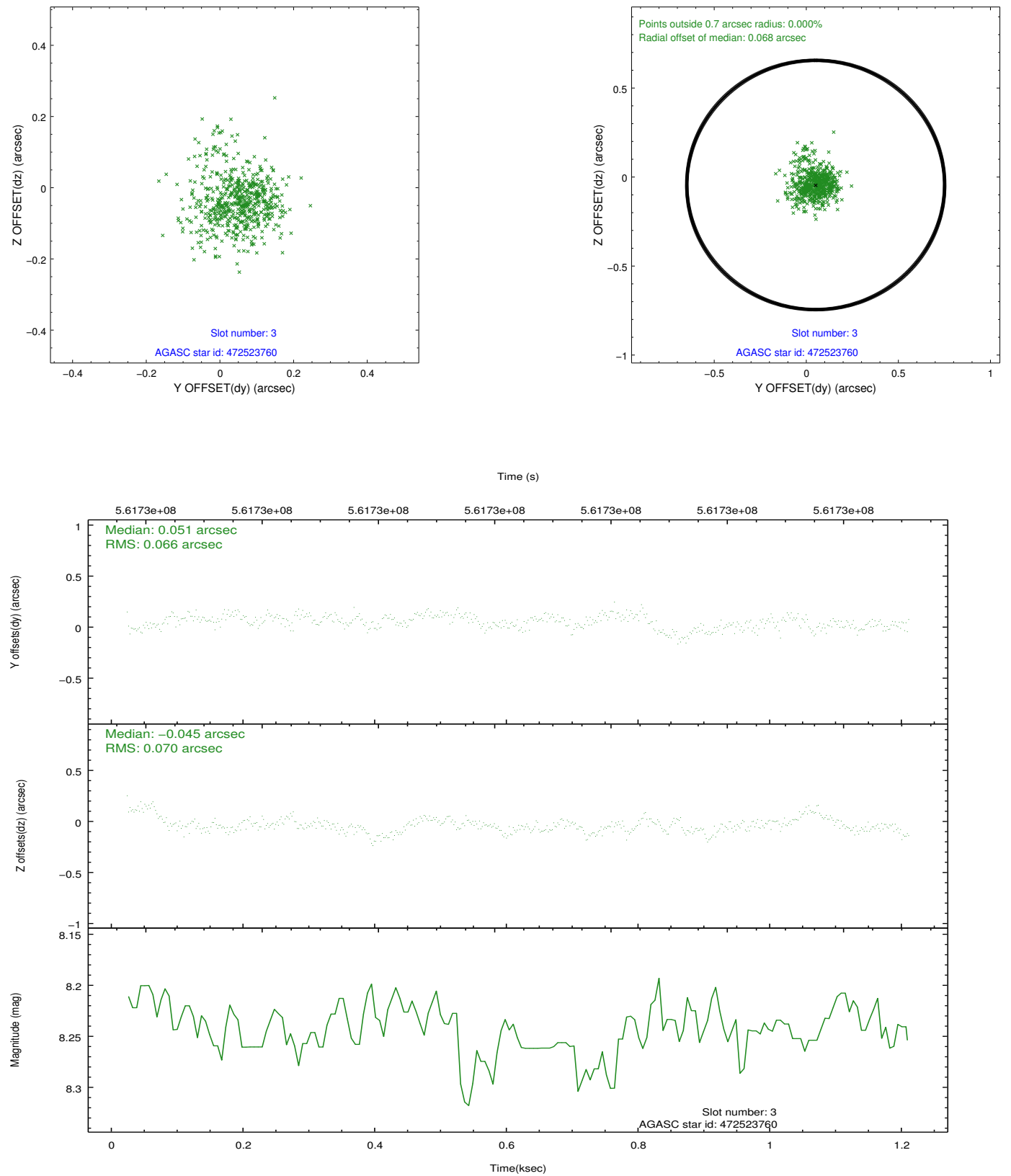


Slot Statistics

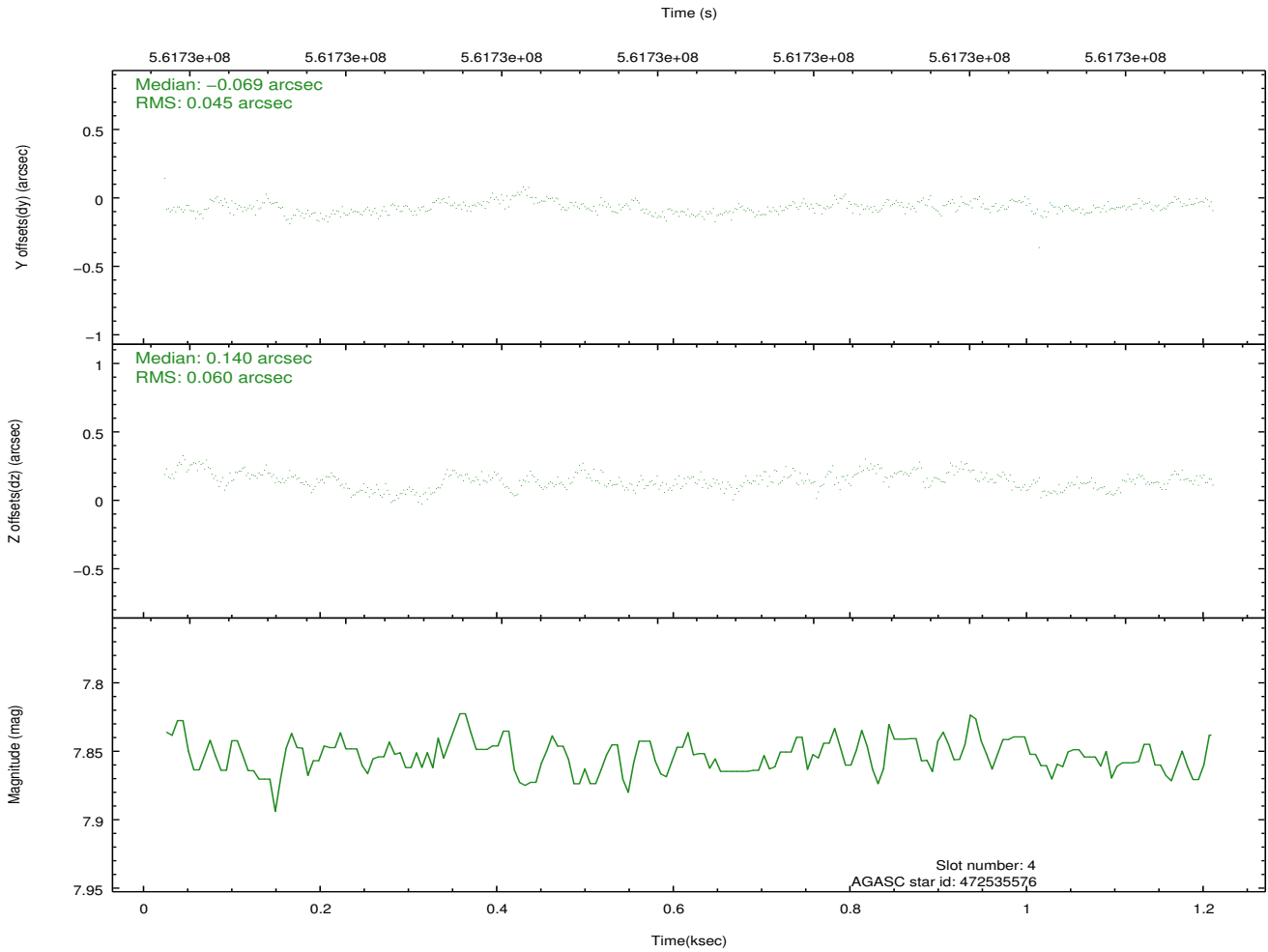
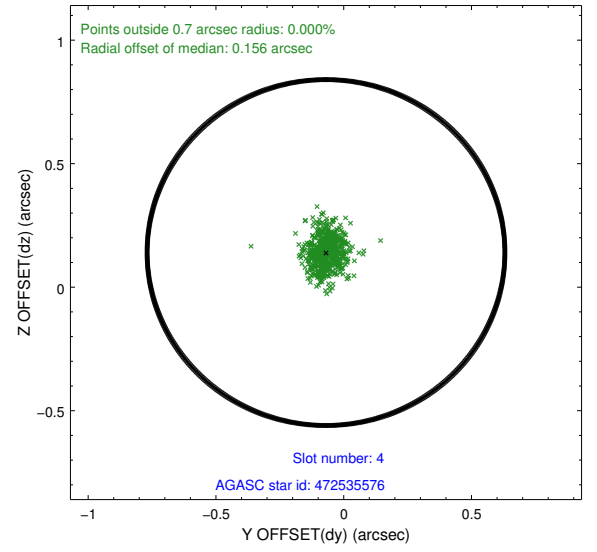
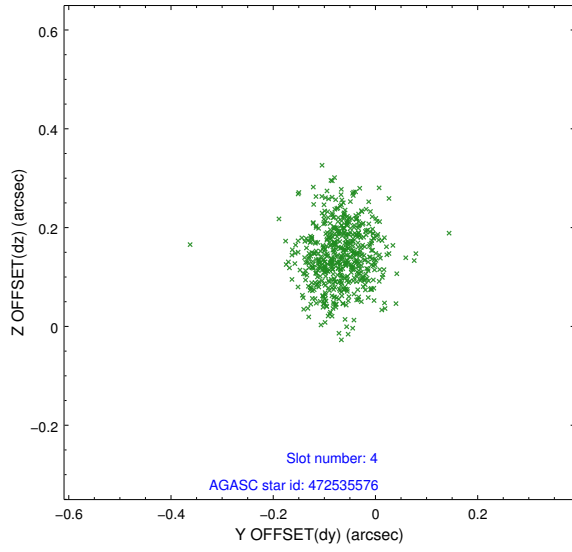
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.04	290	-0.052	-0.222	0.007	0.011	0.000000	0.000000	-1169.65	-466.59
1	FID		HRC-S-3	7.03	290	0.076	-0.054	0.009	0.016	0.000000	0.000000	-1176.33	561.49
2	FID		HRC-S-4	6.97	290	0.364	-0.022	0.006	0.012	0.000000	0.000000	1224.89	567.76
3	GUIDE	used	472523760	8.24	580	0.051	-0.045	0.096	0.176	331.645363	45.403260	2289.57	-607.79
4	GUIDE	used	472535576	7.85	580	-0.069	0.140	0.080	0.135	331.438373	46.291802	-505.54	-2242.08
5	GUIDE	used	472536328	8.11	580	0.077	0.189	0.081	0.150	331.496671	46.454831	-1110.07	-2319.99
6	GUIDE	used	472655152	9.41	580	0.011	-0.101	0.178	0.307	332.504239	45.862991	-43.11	796.03
7	GUIDE	used	472665256	9.00	579	-0.073	-0.180	0.111	0.188	332.808125	46.195041	-1433.73	1061.16

2.4 Star Slots

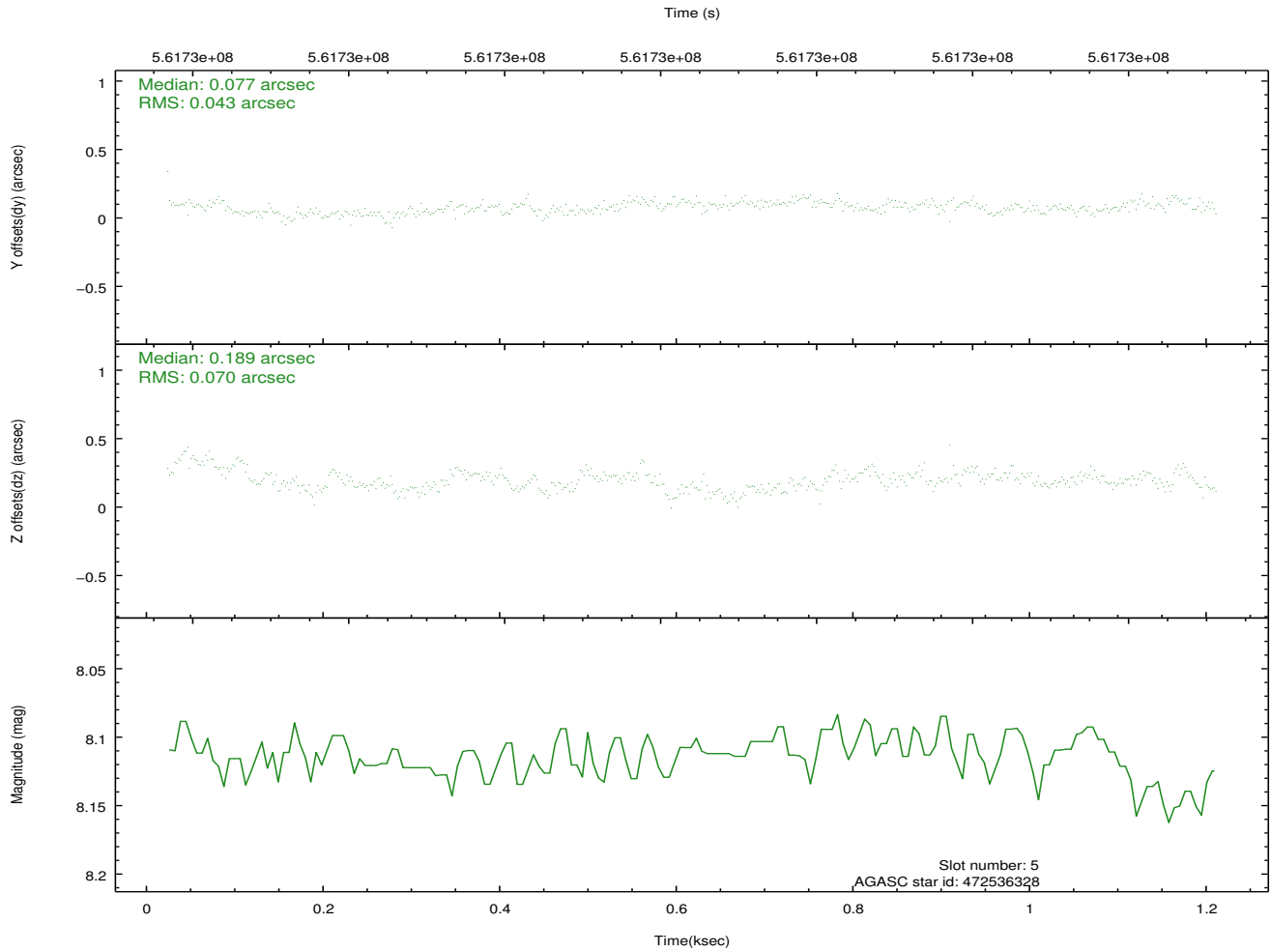
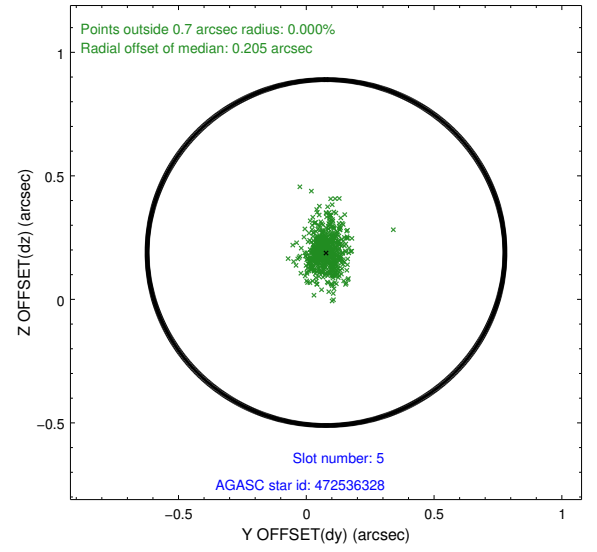
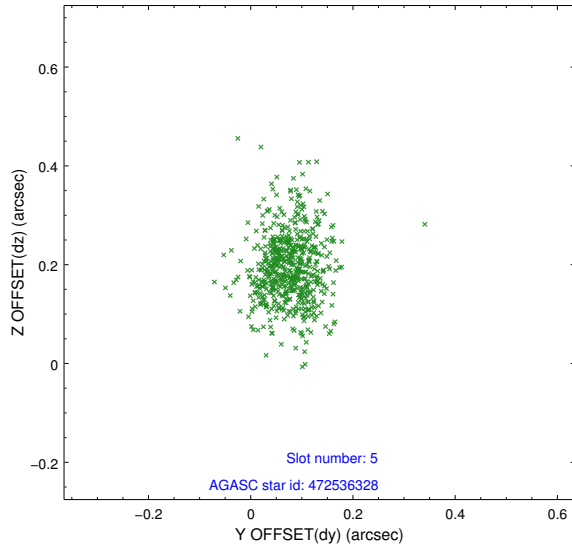
2.4.1 Slot 3



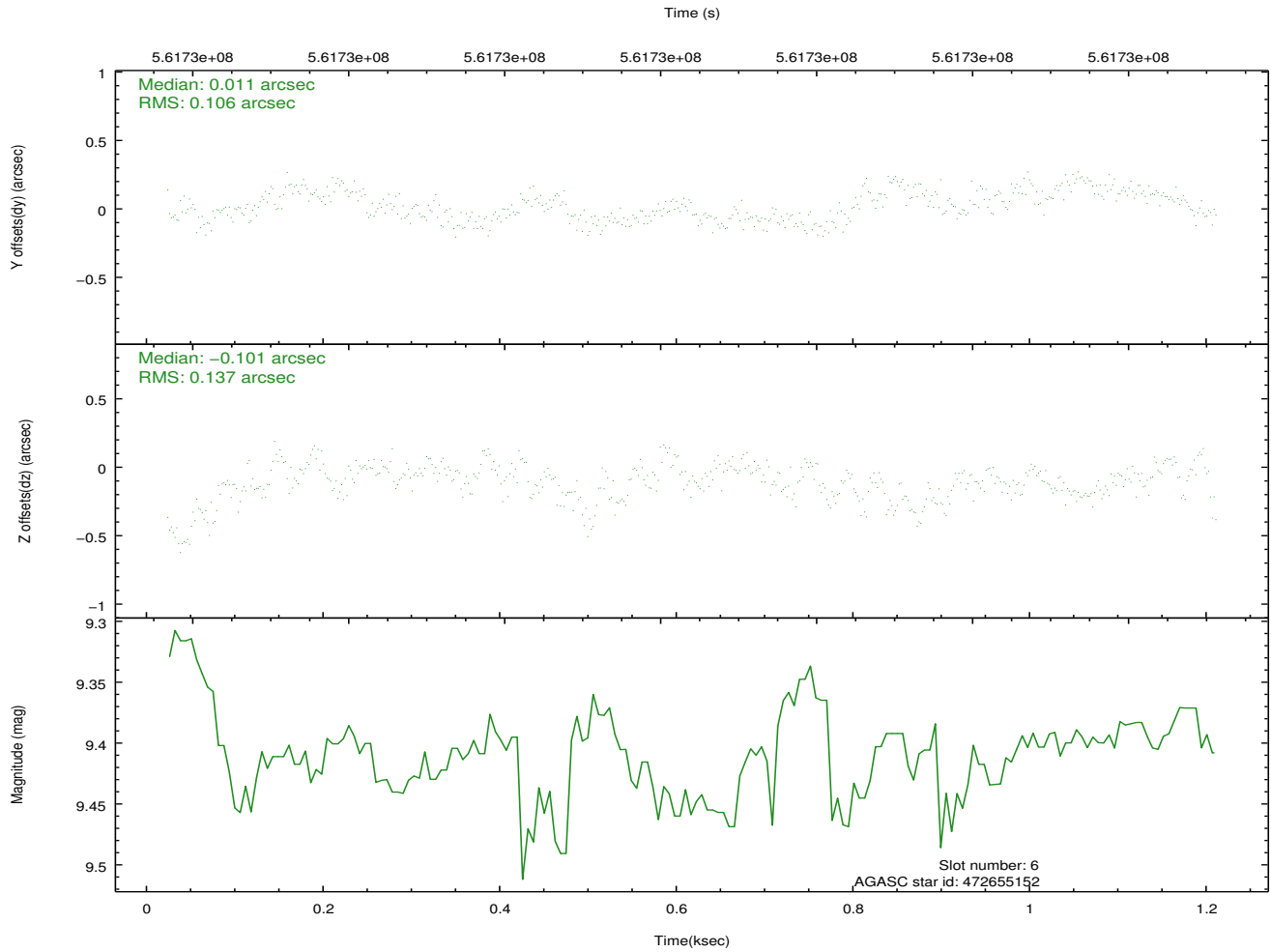
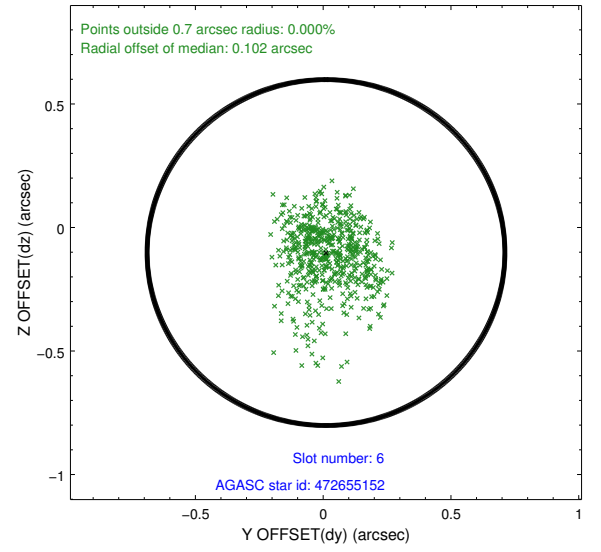
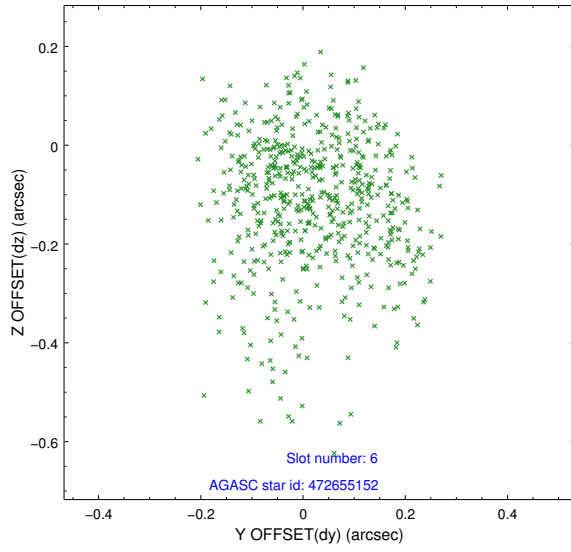
2.4.2 Slot 4



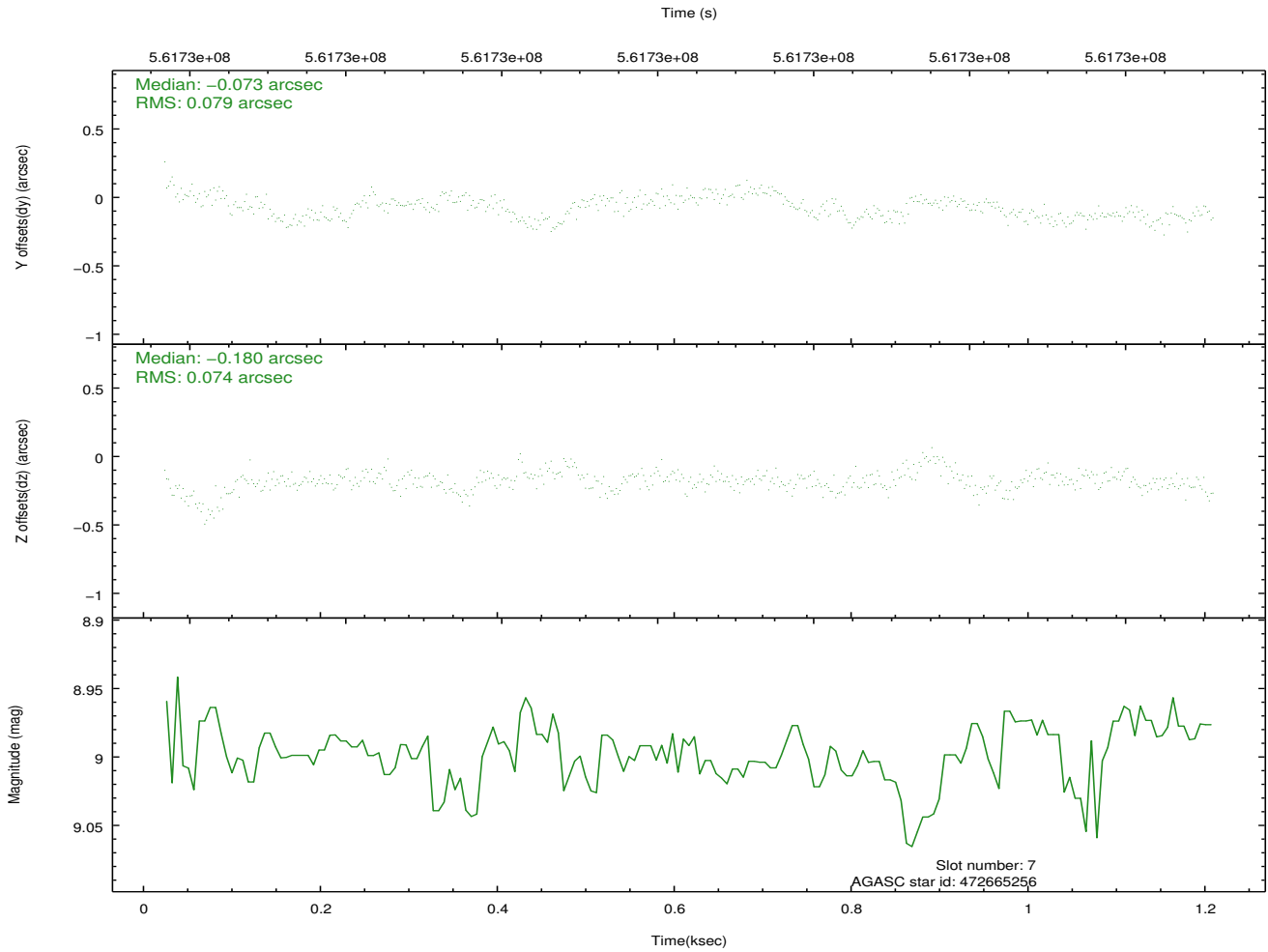
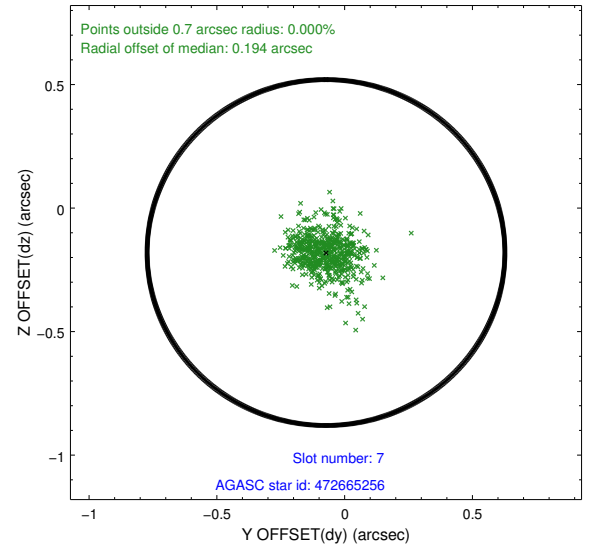
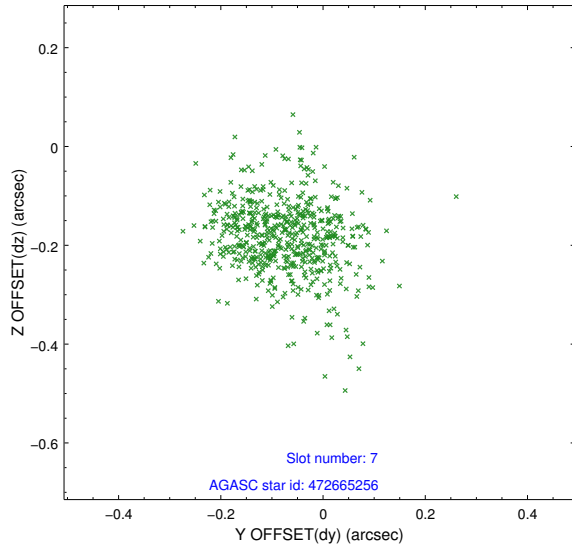
2.4.3 Slot 5



2.4.4 Slot 6

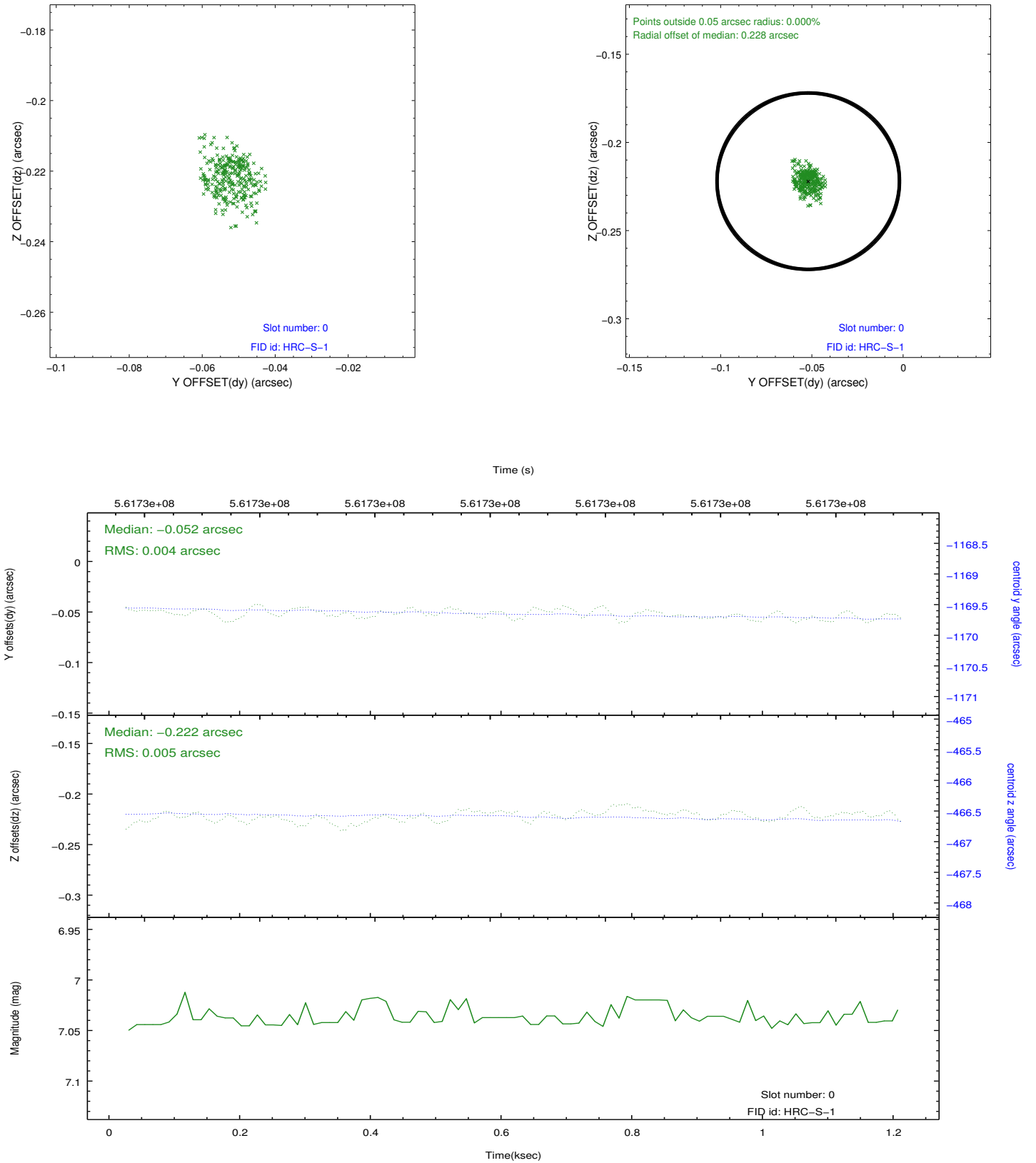


2.4.5 Slot 7

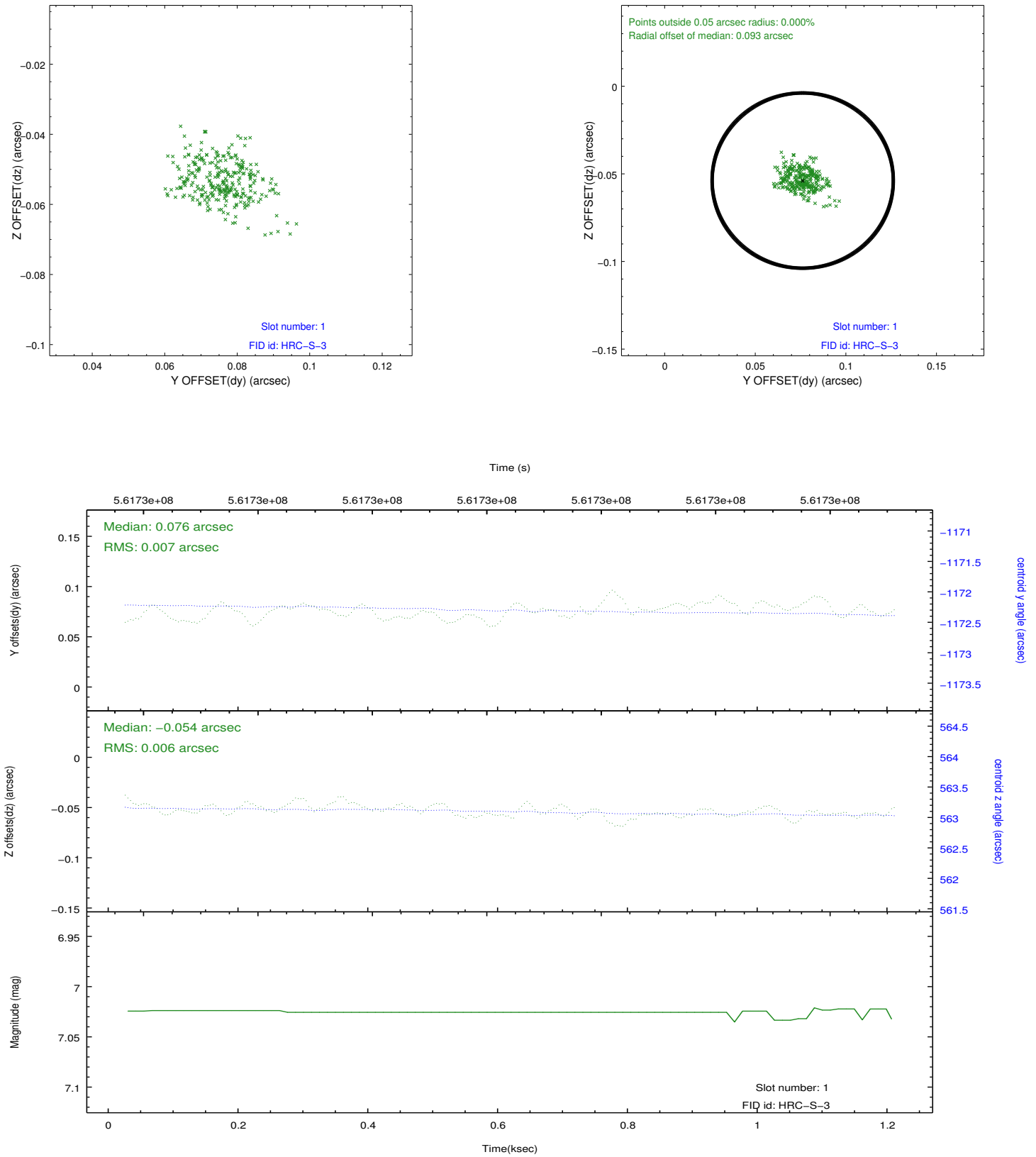


2.5 FID Slots

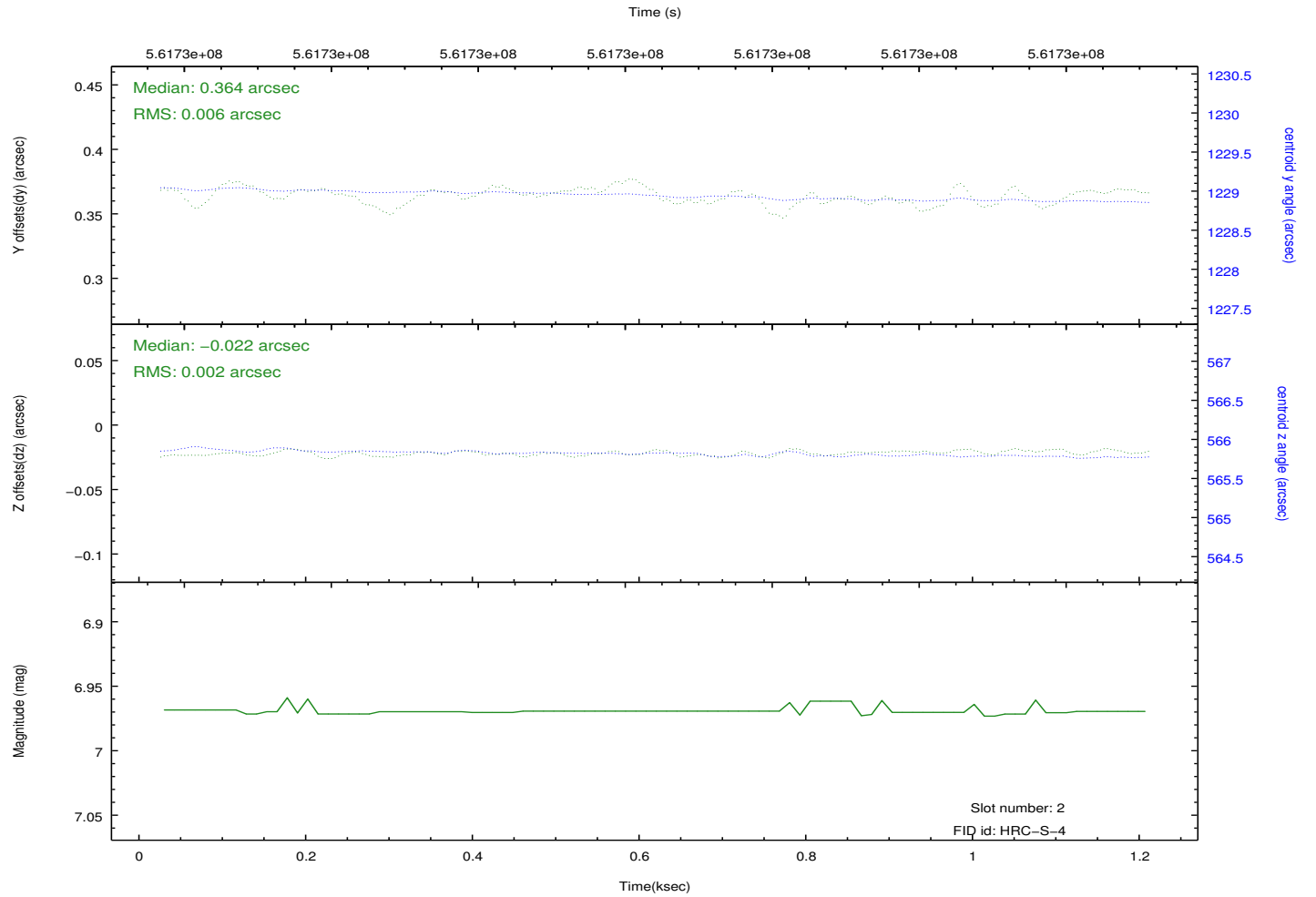
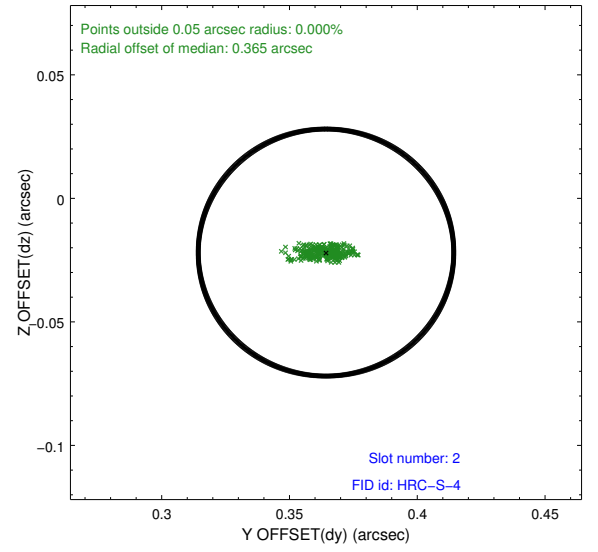
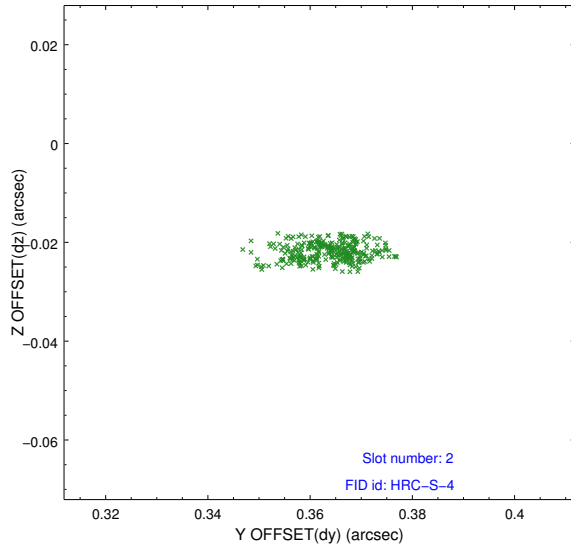
2.5.1 Slot 0



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)	2015.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1554313155413

A.2 Comments