

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18374 - L2 Version 1
Chandra X-Ray Center

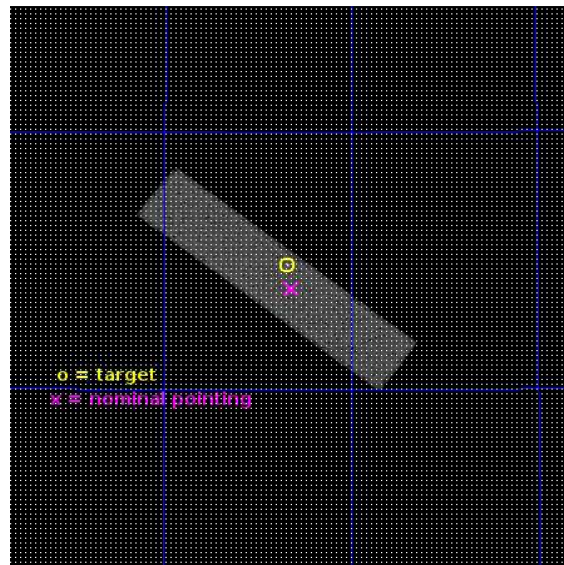
L2 Processing Date : Sep 23 2016

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1 Front

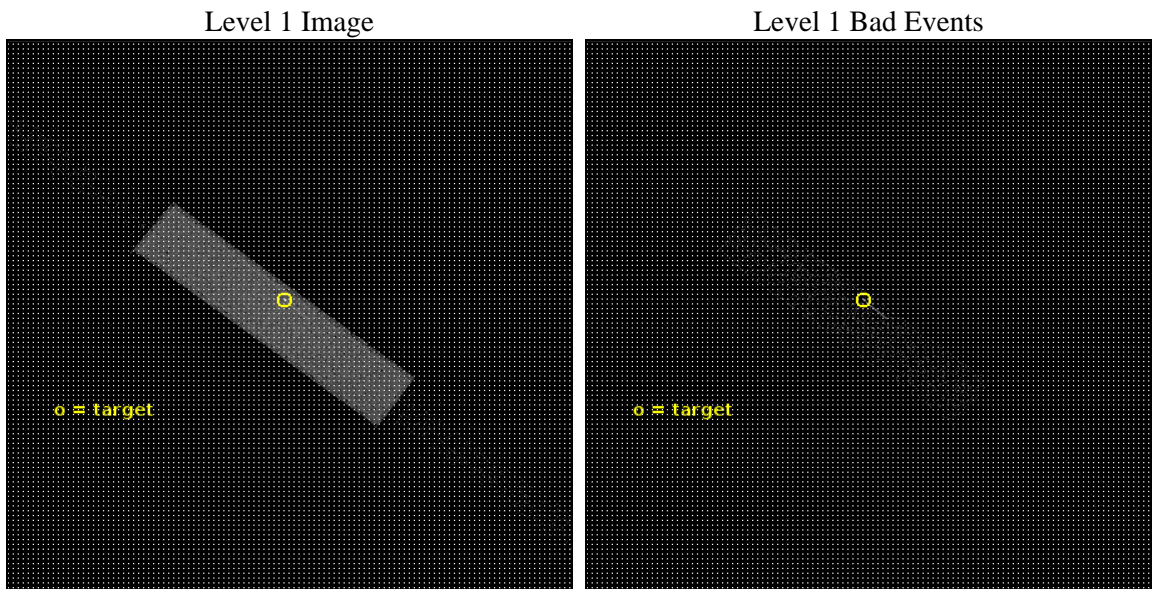
seq_num	291269	Sequence number
obs_id	18374	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.15913592209	Nominal RA [deg]
dec_nom	45.695714474851	Nominal Dec [deg]
roll_nom	217.01990135323	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1169.7813173532	[s]
livetime	1161.1701822478	Ontime multiplied by DTCOR
l2events	66690	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	1169.7813173532	[s]
caldbver	4.7.2	 	l1events	100566	Number of level 1 events
date	2016-09-23T18:34:36	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

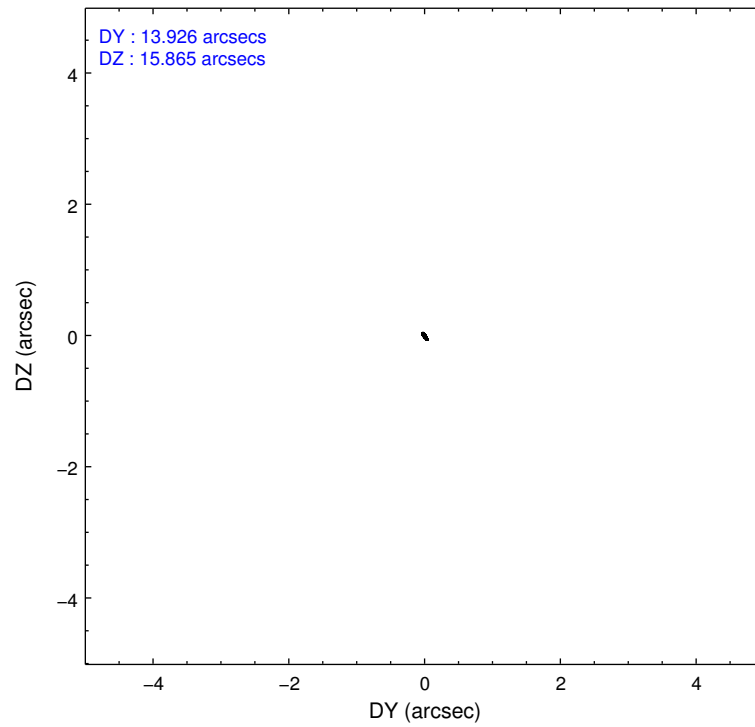
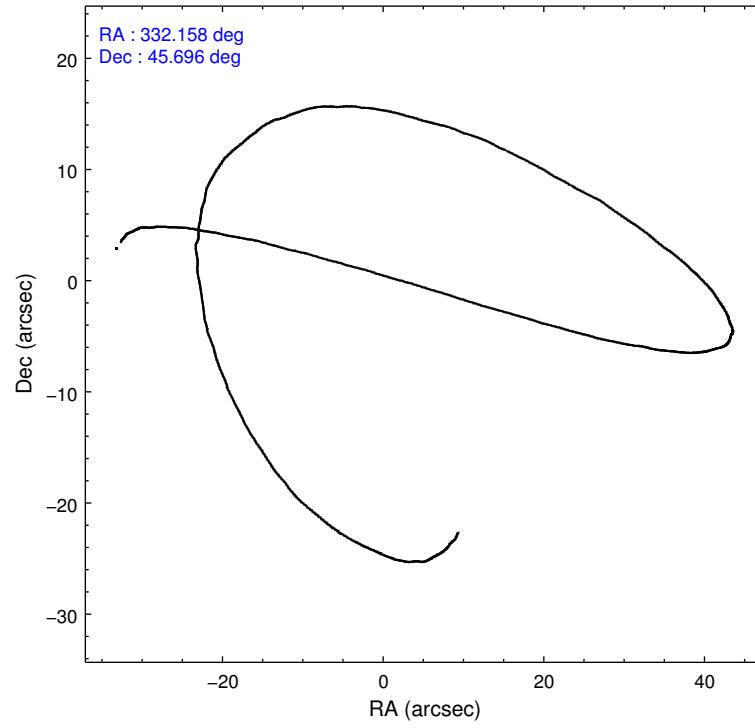
	segment 1	segment 2	segment 3
level 1 events	845	98902	819
rejected events	845	21692	819
rejected %	100%	21%	100%

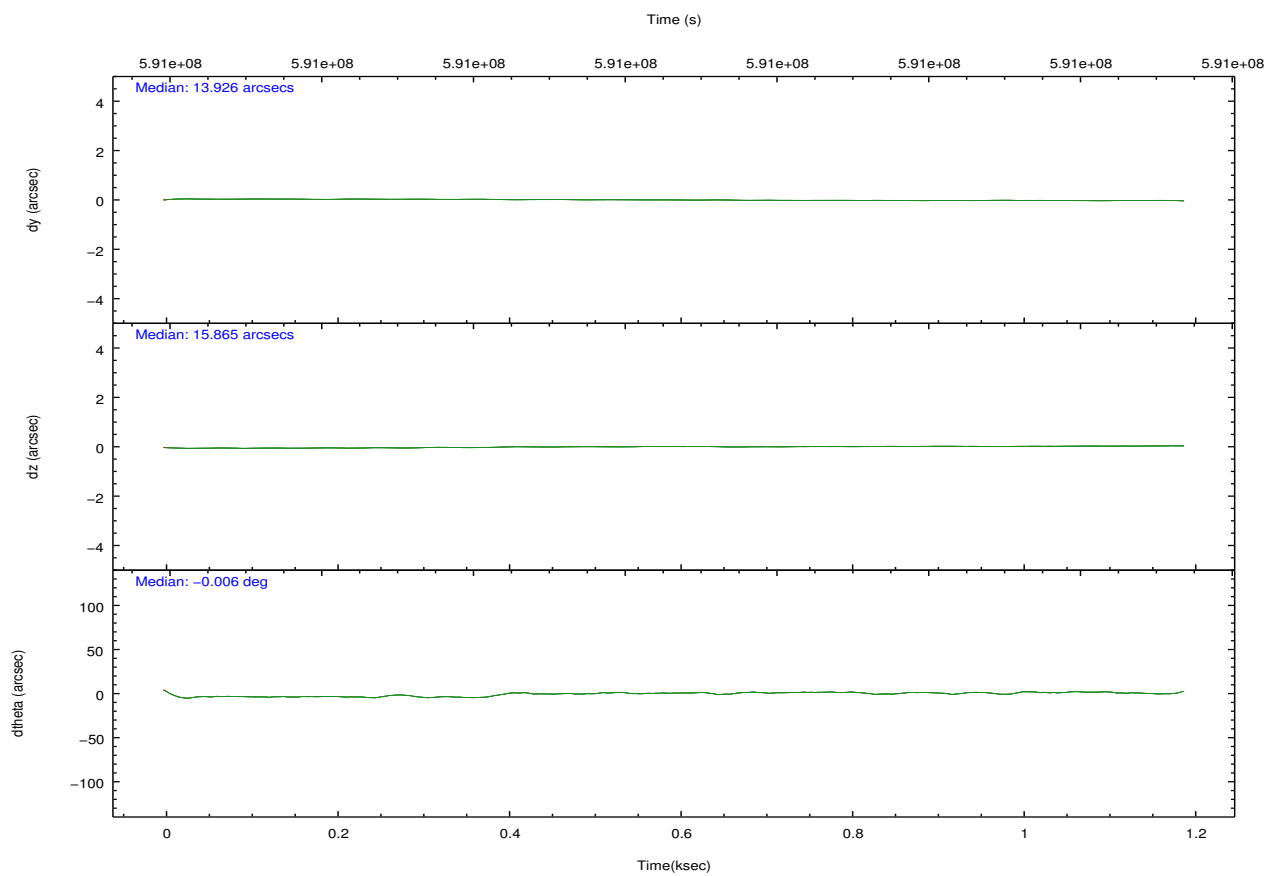
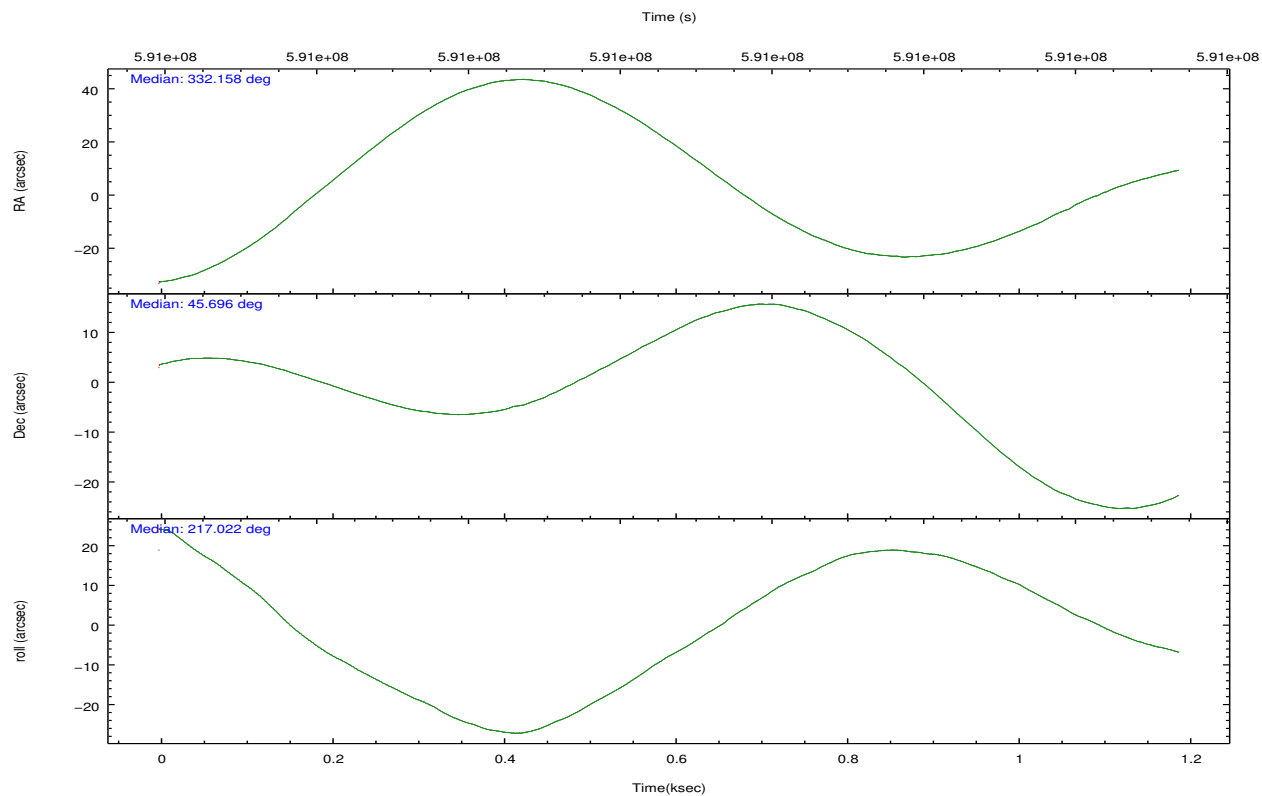
2.2 Compared Parameters

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	332.173704	332.1591359220868
[deg] Pointing Dec	45.723161	45.69571447485128
[deg] Pointing Roll	216.942104	217.0199013532252
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	590997242.184000	590996866.04091
Observation start date	2016-09-23T05:52:54	2016-09-23T05:47:46
[s] Observation end time (MET)	590998242.184000	590998376.3785
Observation end date	2016-09-23T06:09:34	2016-09-23T06:12:56

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

2.3 Aspect



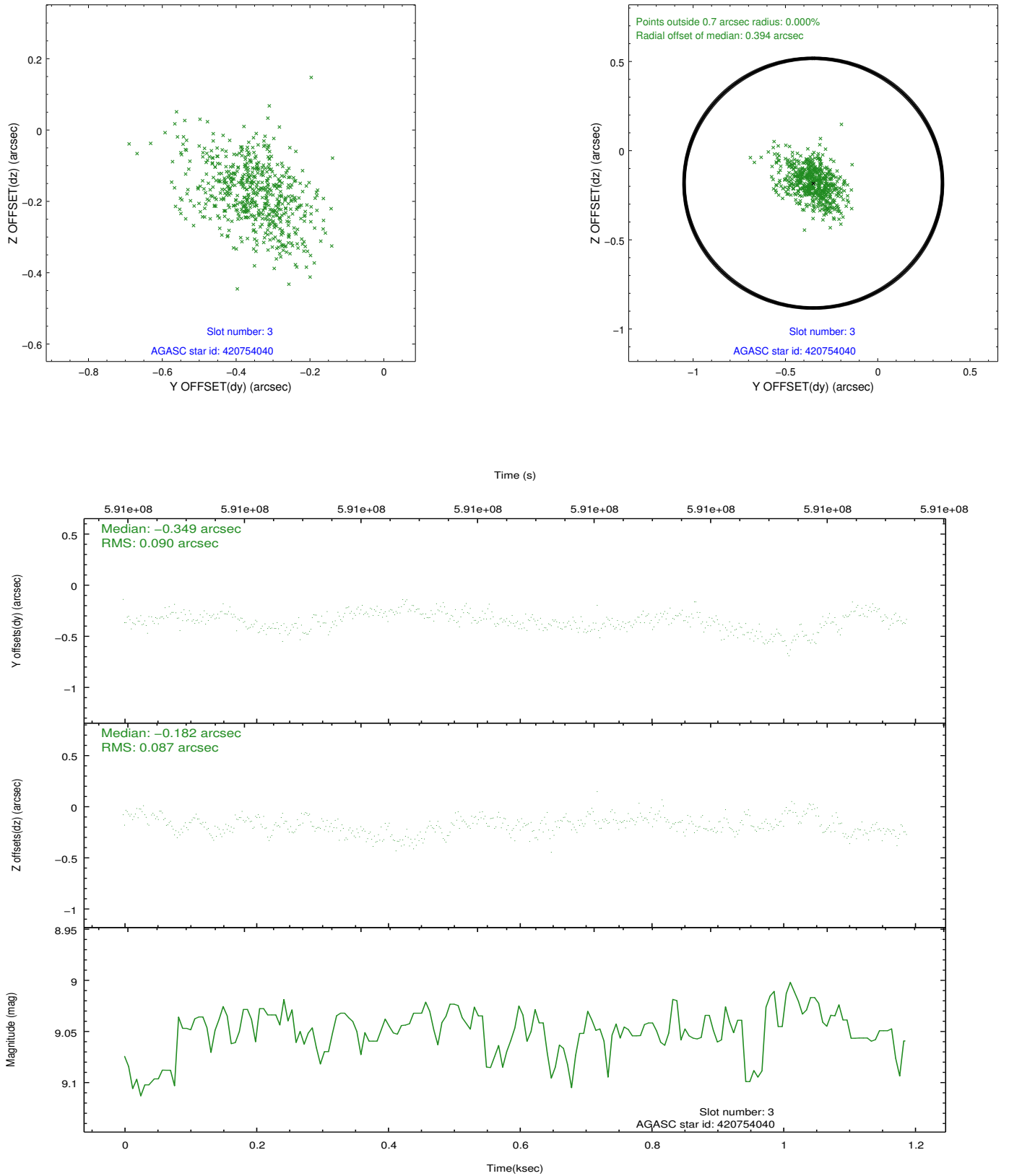


Slot Statistics

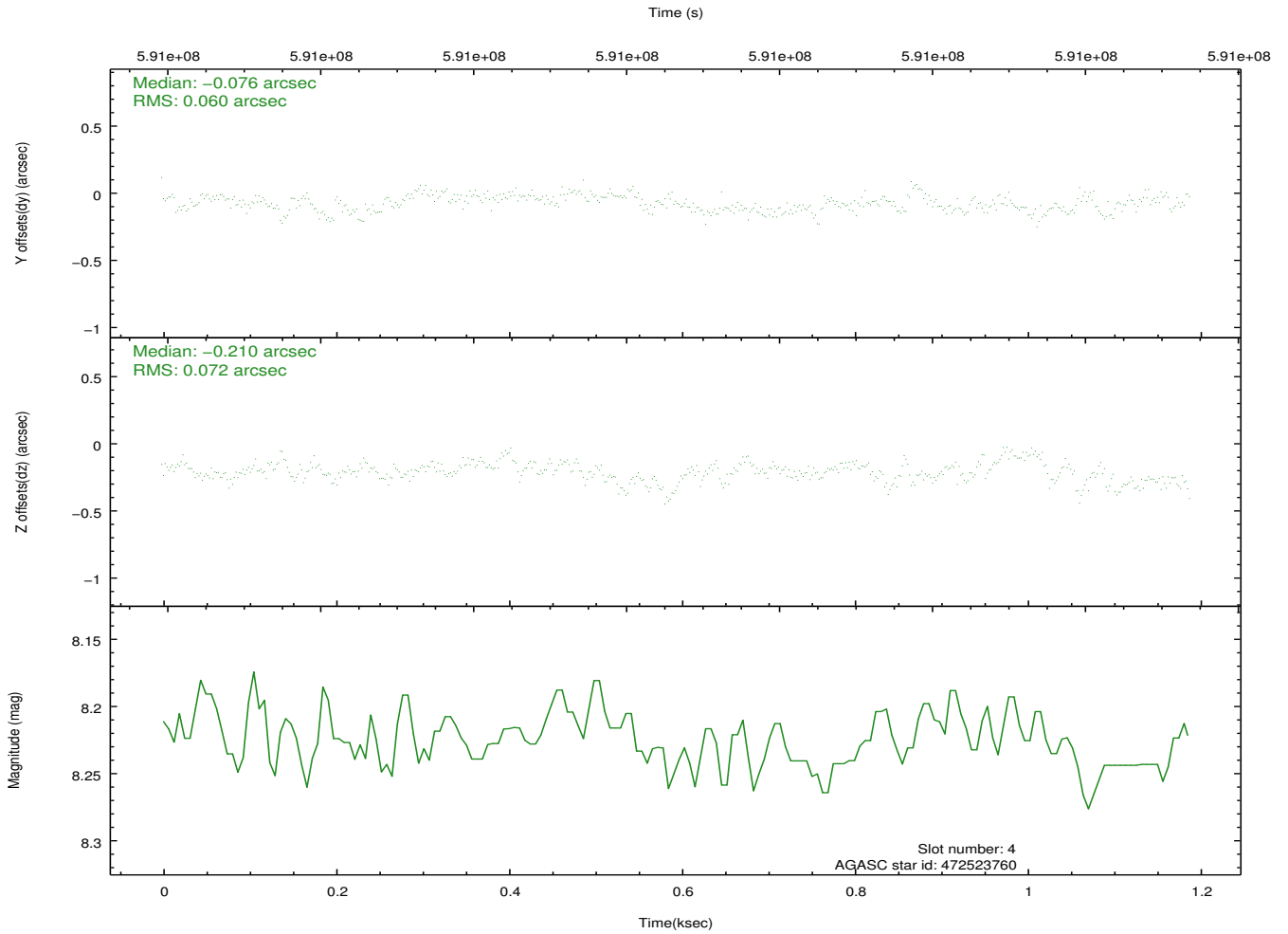
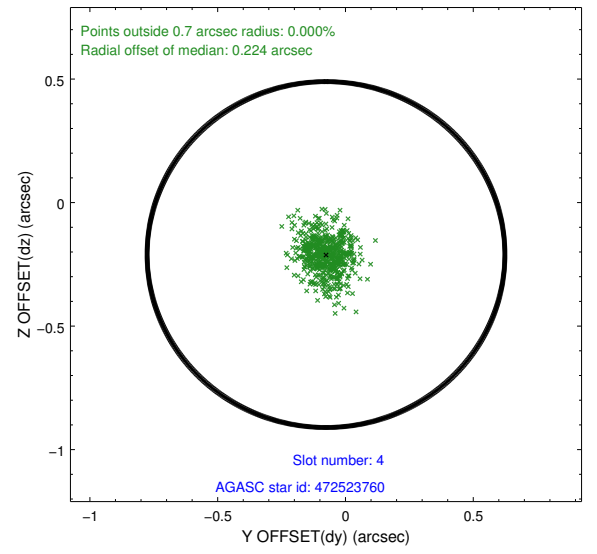
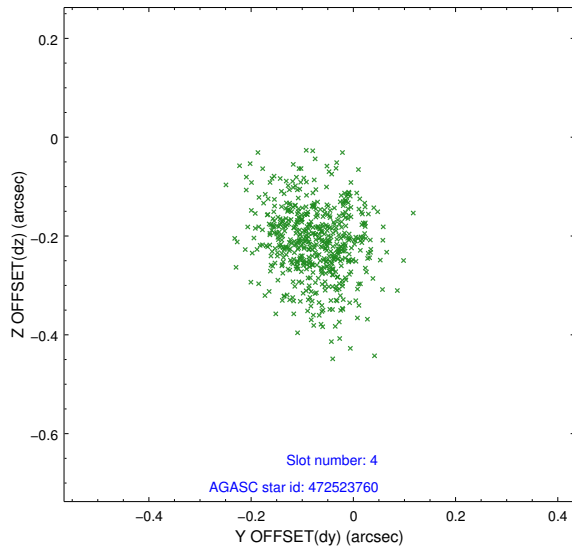
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.07	291	-0.156	-0.188	0.005	0.010	0.000000	0.000000	-1168.50	-464.76
1	FID		HRC-S-2	7.05	291	0.226	-0.127	0.023	0.049	0.000000	0.000000	1227.53	-458.83
2	FID		HRC-S-4	7.02	291	0.333	0.011	0.024	0.045	0.000000	0.000000	1234.40	566.06
3	GUIDE	used	420754040	9.05	580	-0.349	-0.182	0.130	0.227	331.917939	44.882543	2336.67	2025.80
4	GUIDE	used	472523760	8.23	581	-0.076	-0.210	0.099	0.165	331.645363	45.403260	1760.13	117.13
5	GUIDE	used	472655152	9.39	579	-0.048	-0.113	0.208	0.392	332.504239	45.862991	-963.68	94.29
6	GUIDE	used	472665256	8.99	581	0.175	0.287	0.115	0.232	332.808125	46.195041	-2290.66	-412.47
7	GUIDE	used	472533912	9.11	580	0.292	0.227	0.161	0.272	331.791136	46.368695	-643.12	-2431.19

2.4 Star Slots

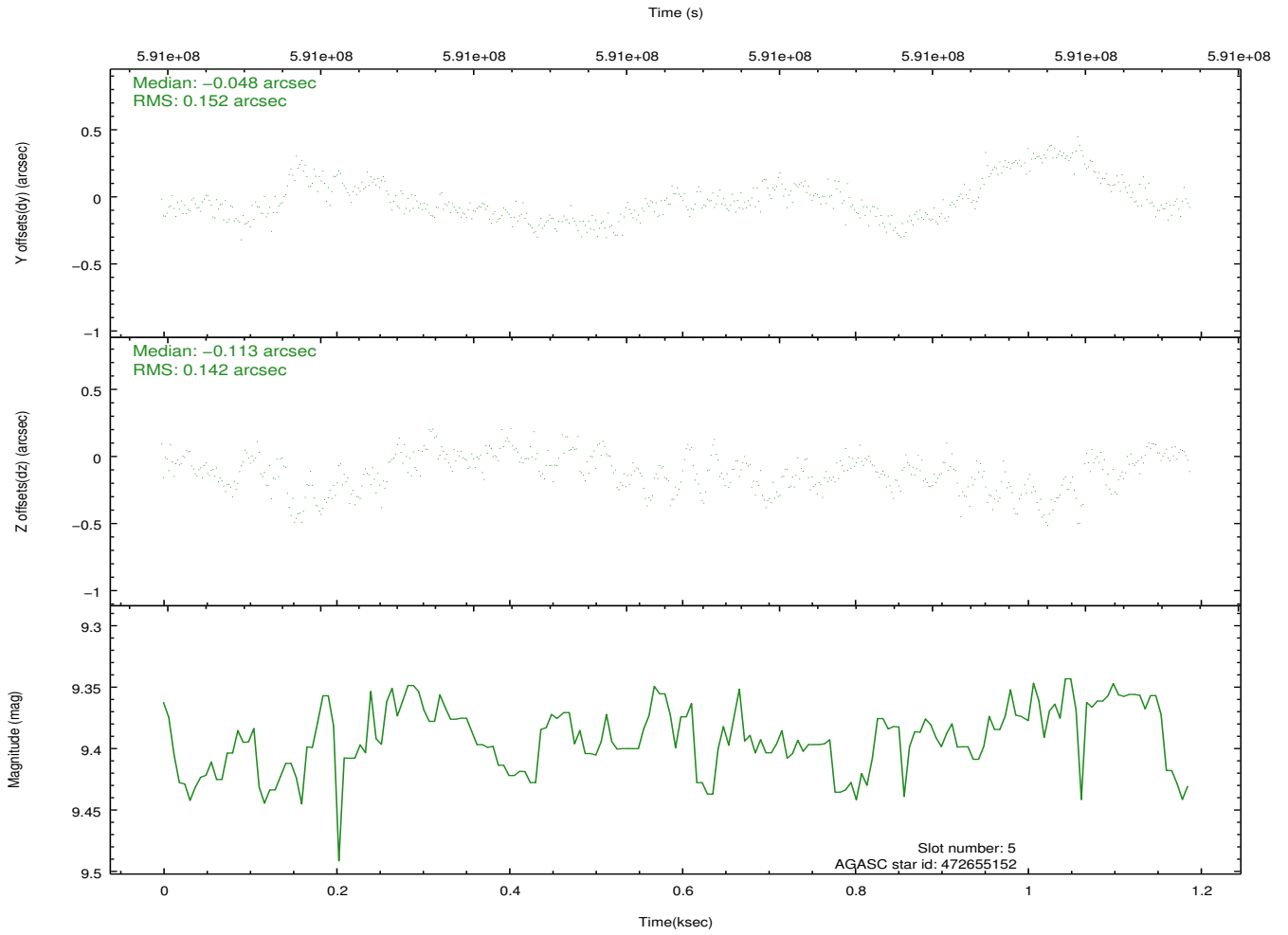
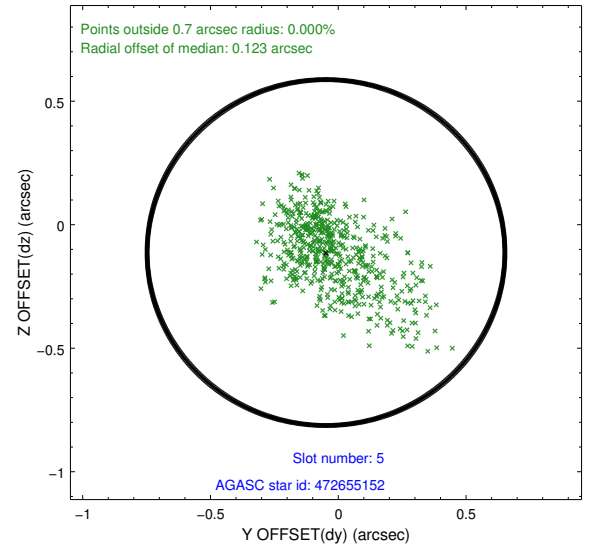
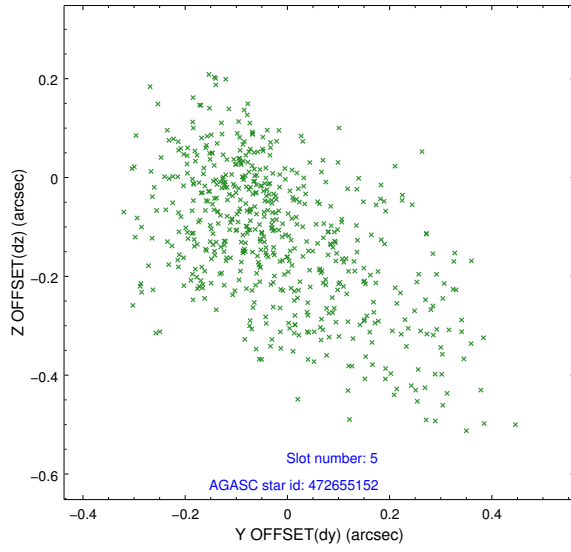
2.4.1 Slot 3



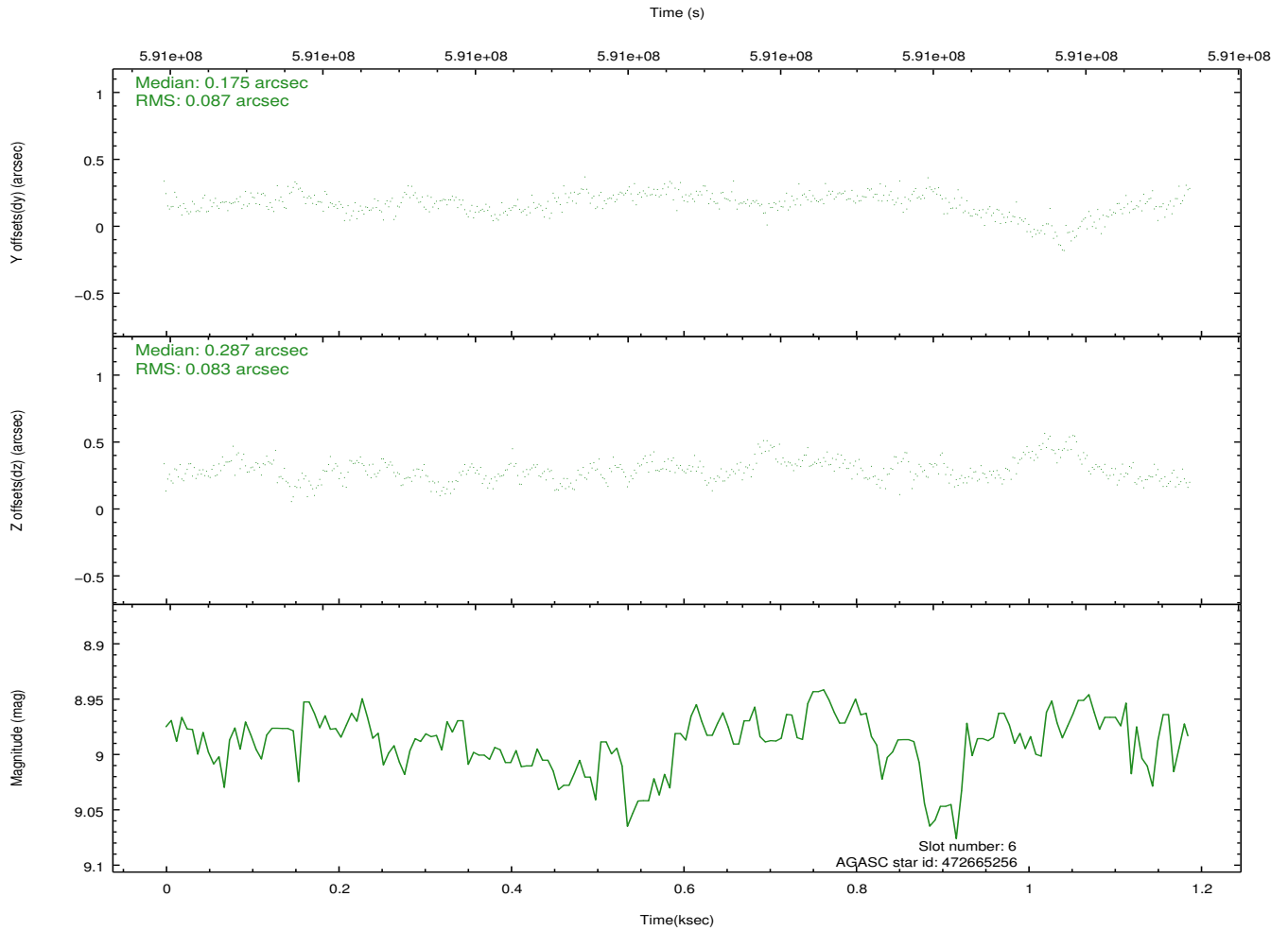
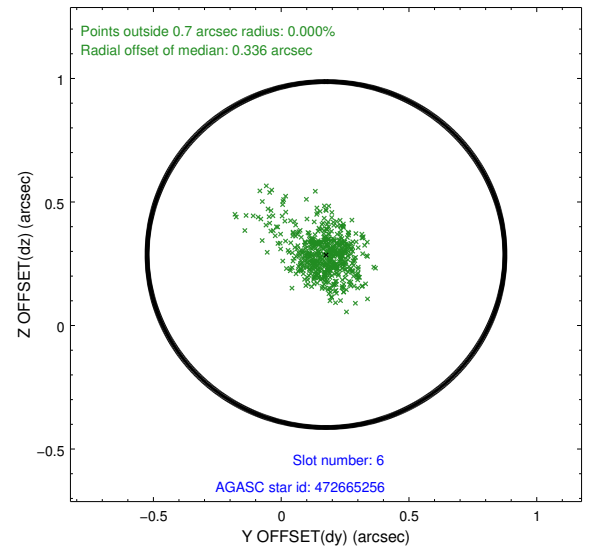
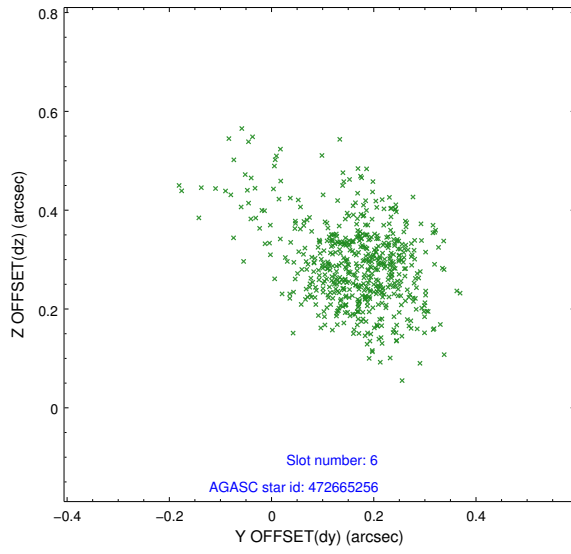
2.4.2 Slot 4



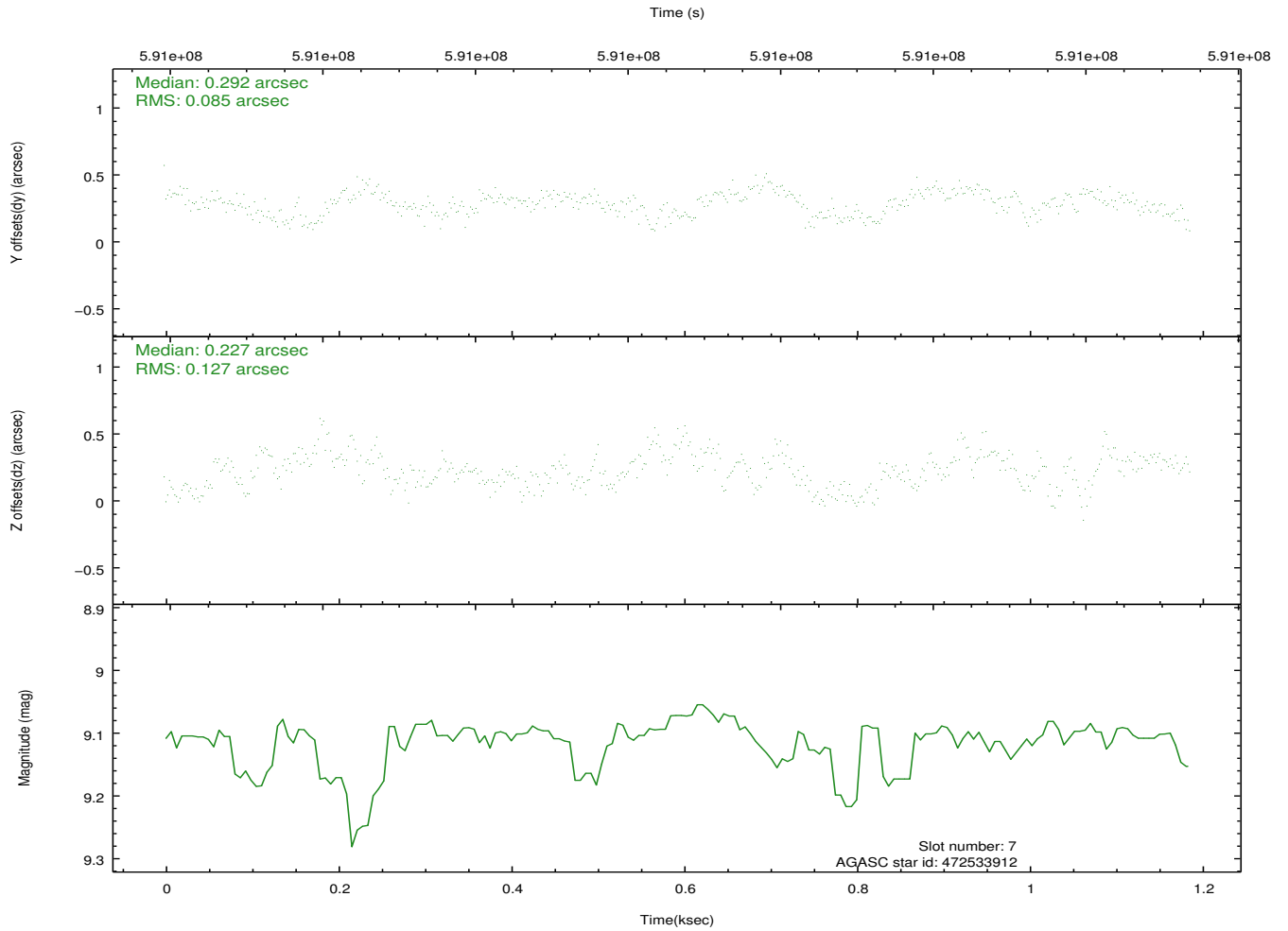
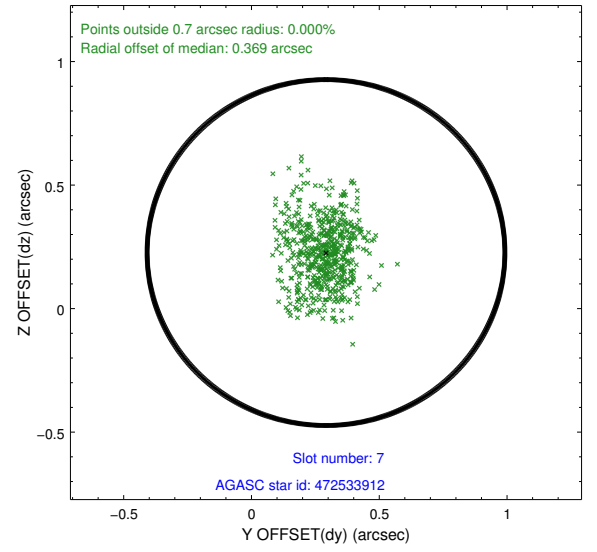
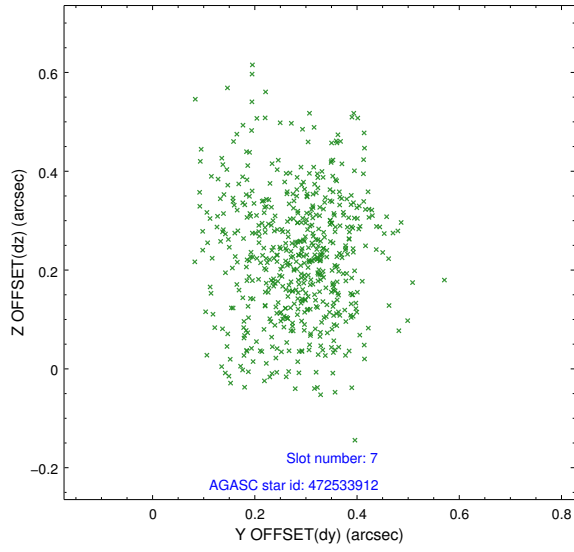
2.4.3 Slot 5



2.4.4 Slot 6

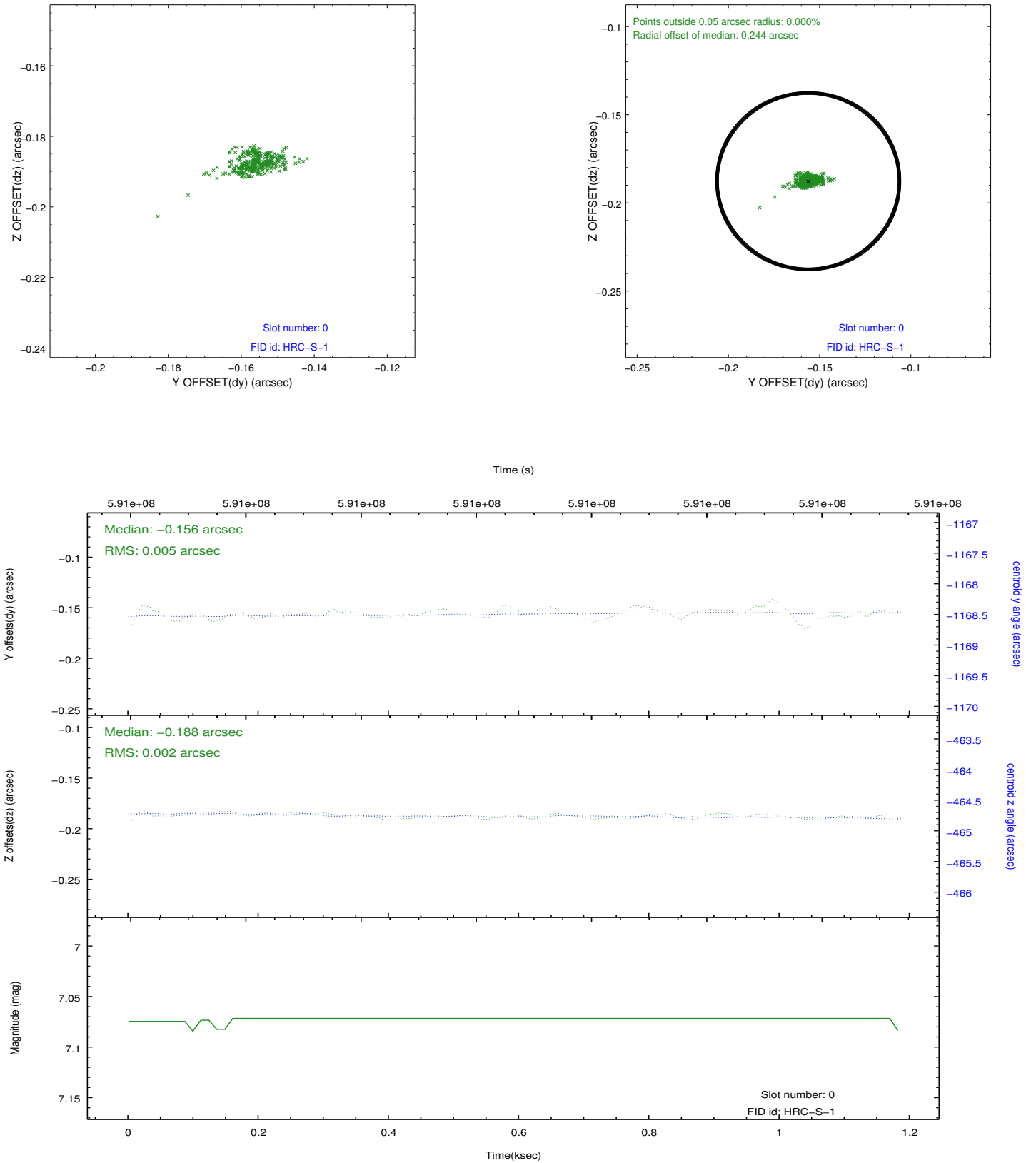


2.4.5 Slot 7

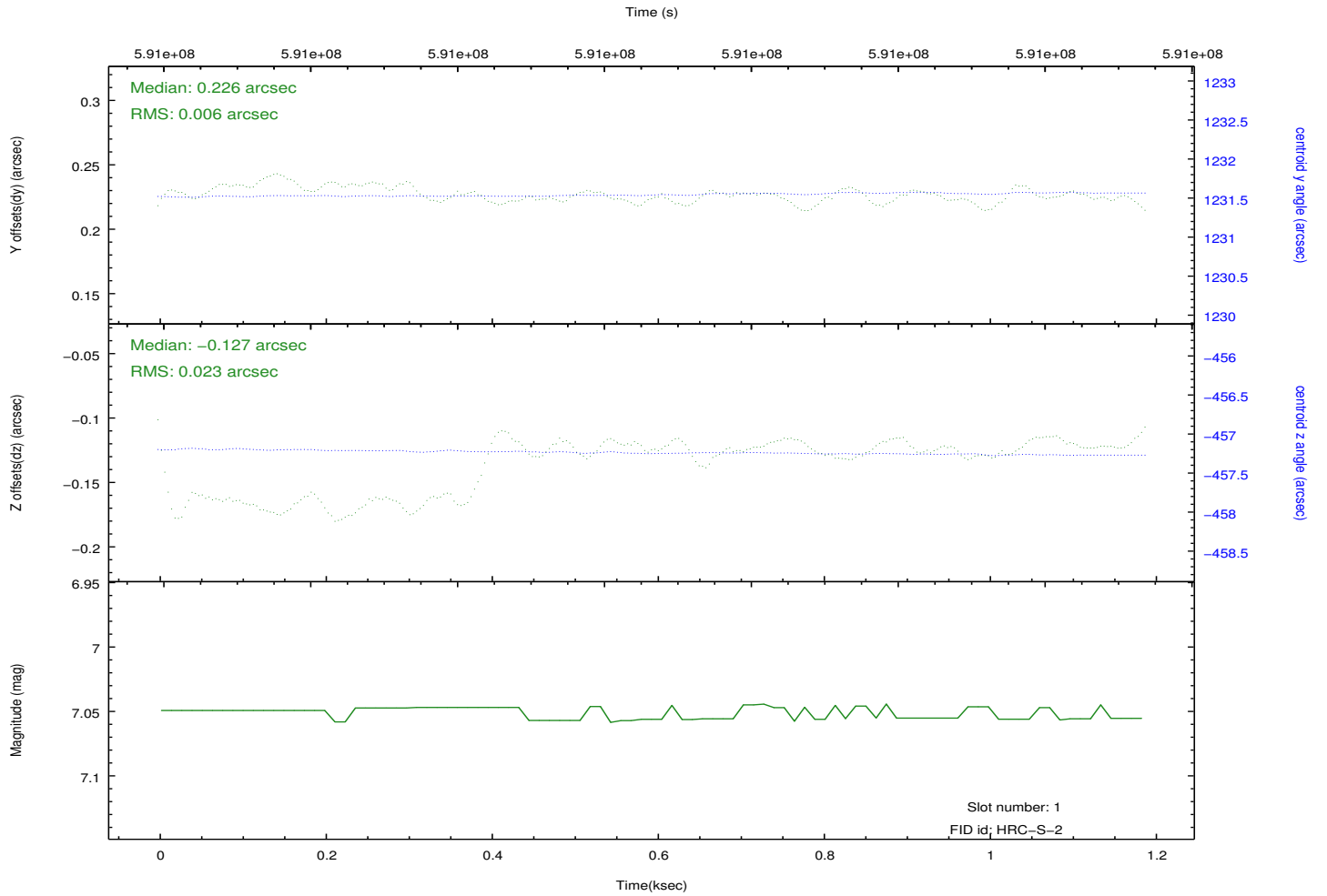
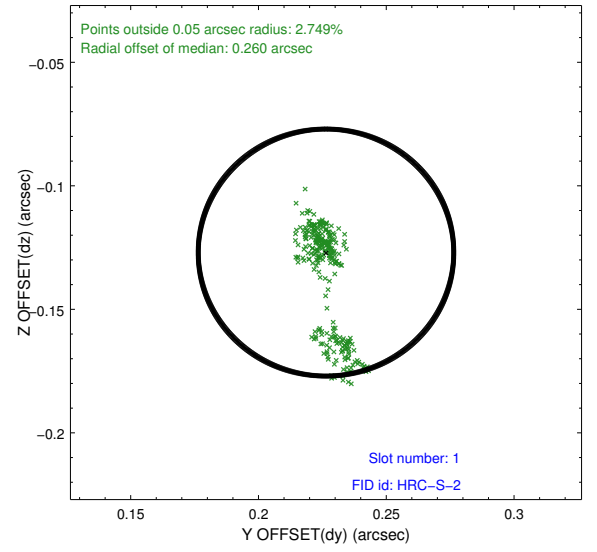
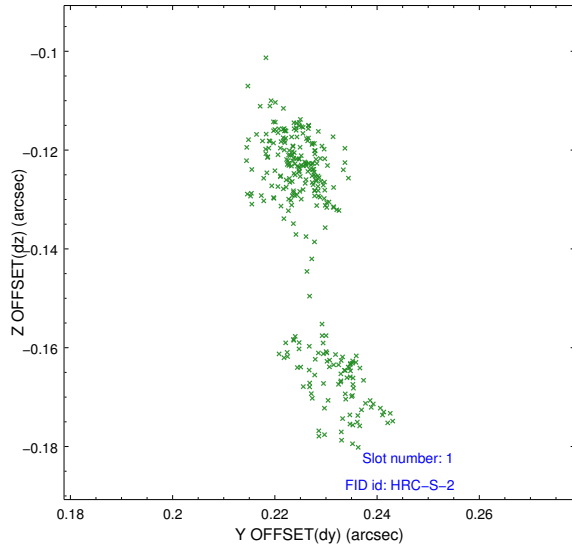


2.5 FID Slots

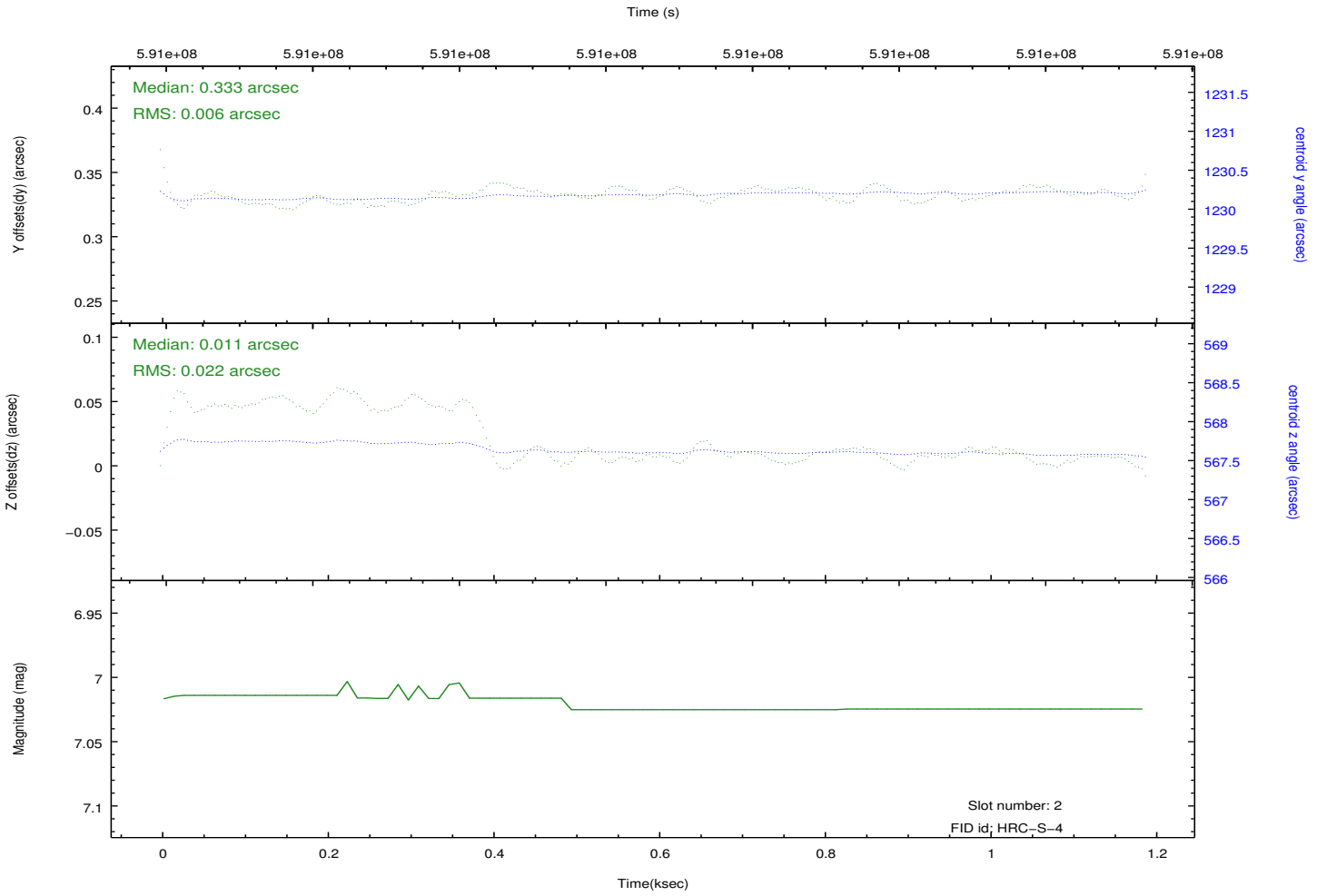
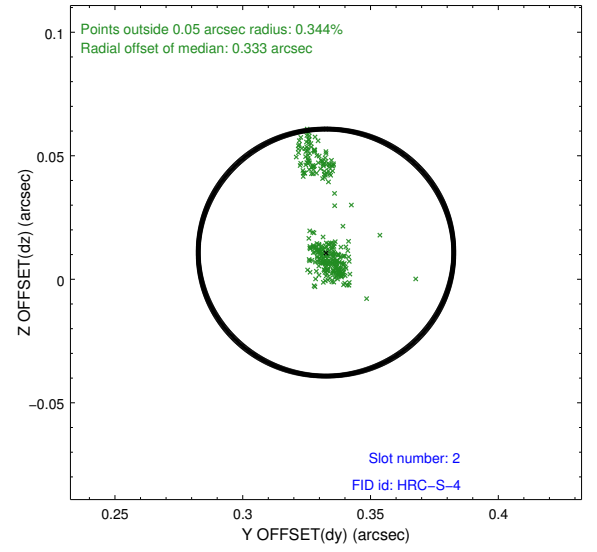
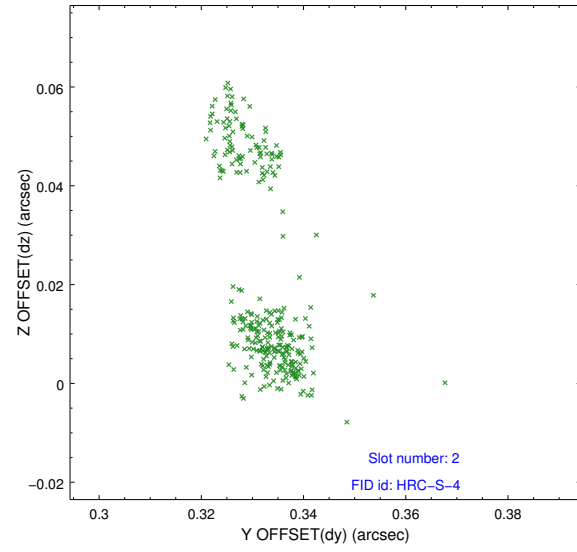
2.5.1 Slot 0



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)	2016.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1697813173532

A.2 Comments