

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18373 - L2 Version 1
Chandra X-Ray Center

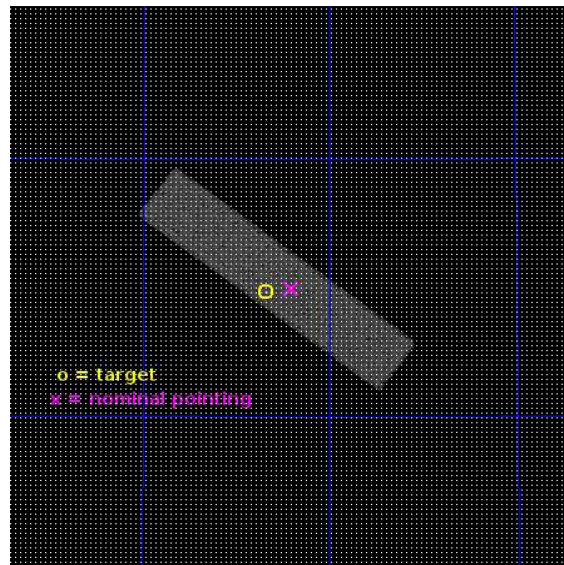
L2 Processing Date : Sep 23 2016

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1 Front

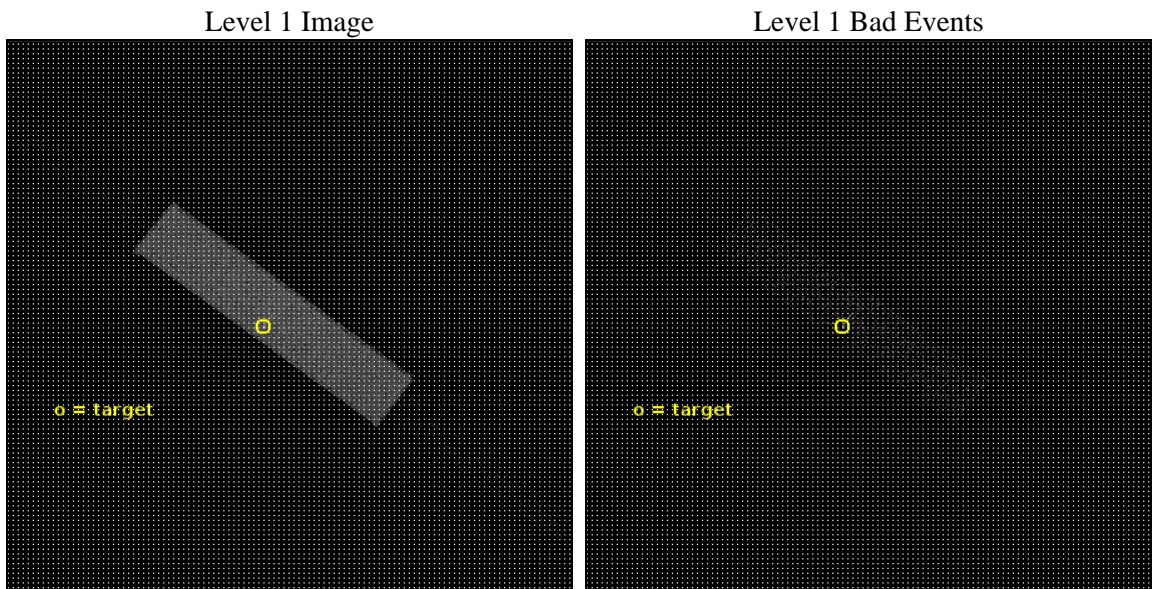
seq_num	291268	Sequence number
obs_id	18373	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.10243979979	Nominal RA [deg]
dec_nom	45.749004094327	Nominal Dec [deg]
roll_nom	217.03820903346	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1112.3813135624	[s]
livetime	1102.0338243408	Ontime multiplied by DTCOR
l2events	64579	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	1112.3813135624	[s]
caldsver	4.7.2	 	l1events	102779	Number of level 1 events
date	2016-09-23T18:34:28	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

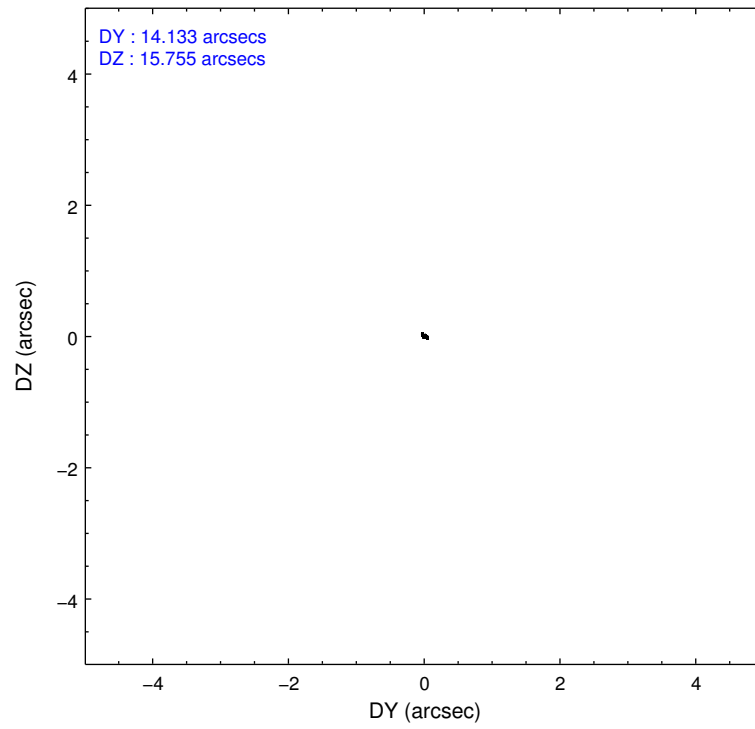
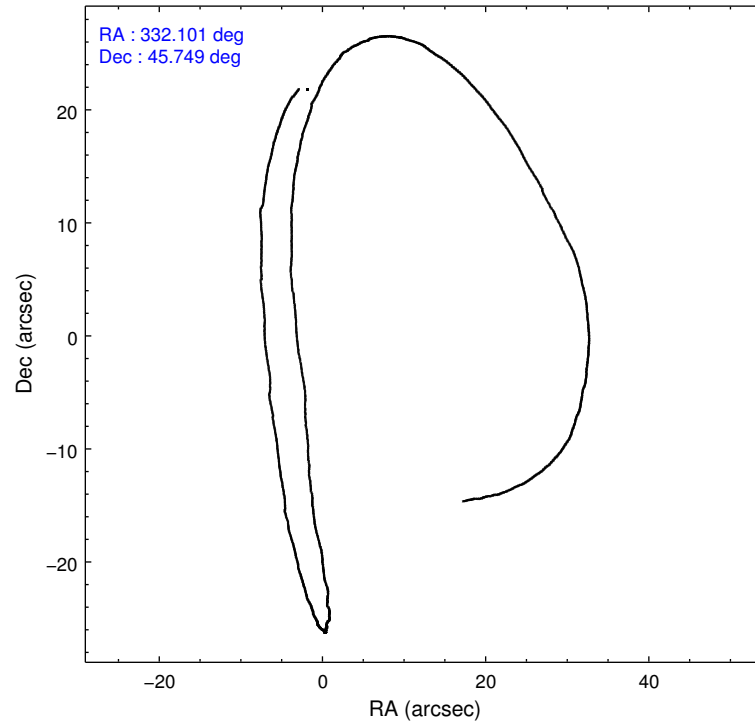
	segment 1	segment 2	segment 3
level 1 events	908	100993	878
rejected events	908	26071	878
rejected %	100%	25%	100%

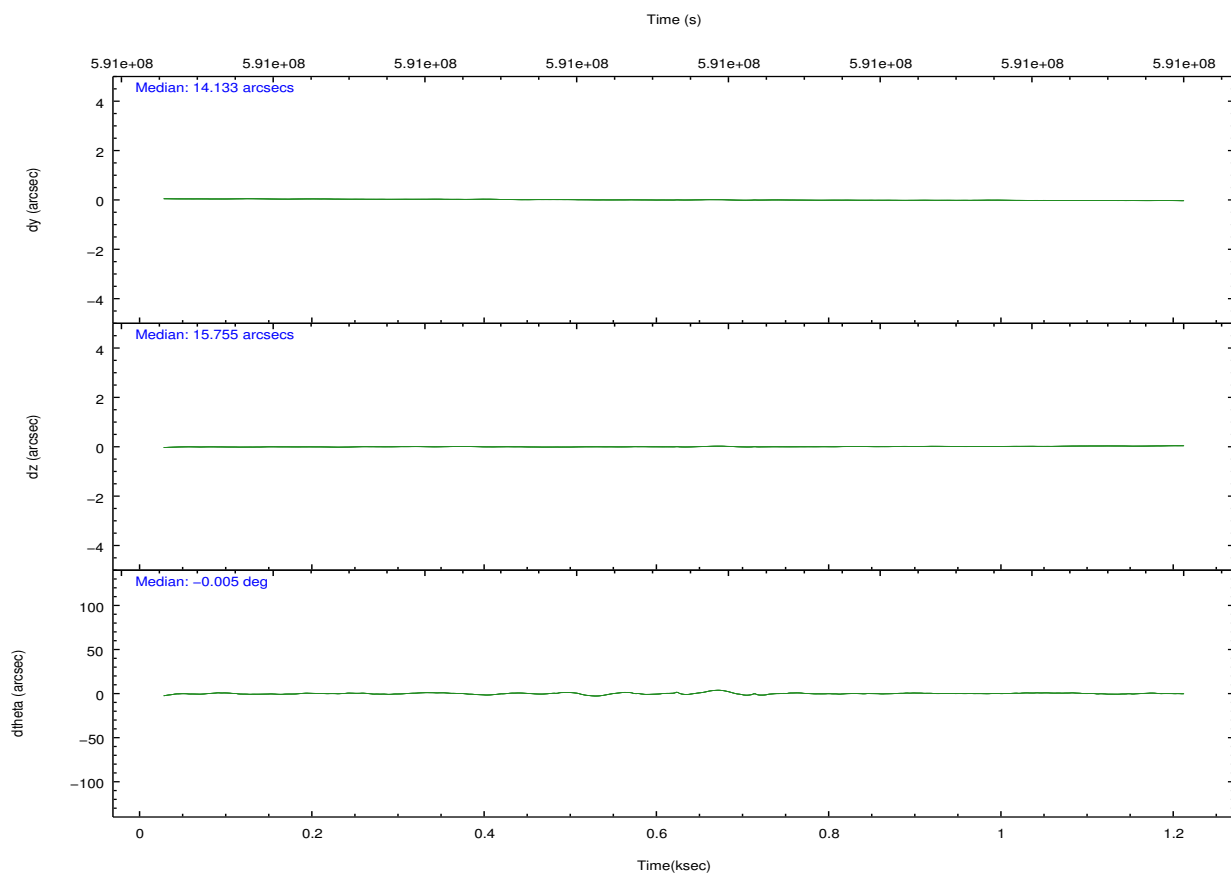
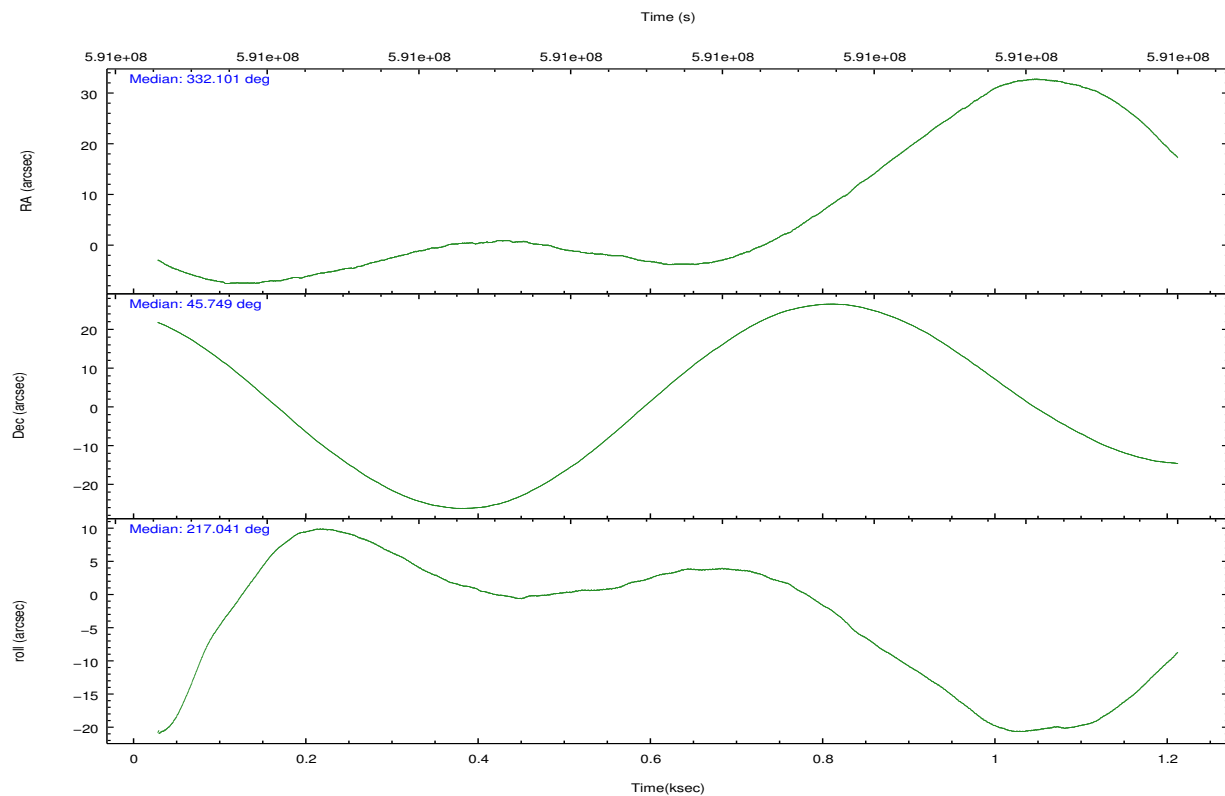
2.2 Compared Parameters

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	332.116255	332.1024397997866
[deg] Pointing Dec	45.776419	45.7490040943272
[deg] Pointing Roll	216.961039	217.0382090334637
[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)	590995732.184000	590995356.21583
Observation start date	2016-09-23T05:27:44	2016-09-23T05:22:36
[s] Observation end time (MET)	590996732.184000	590996866.04091
Observation end date	2016-09-23T05:44:24	2016-09-23T05:47:46

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

2.3 Aspect



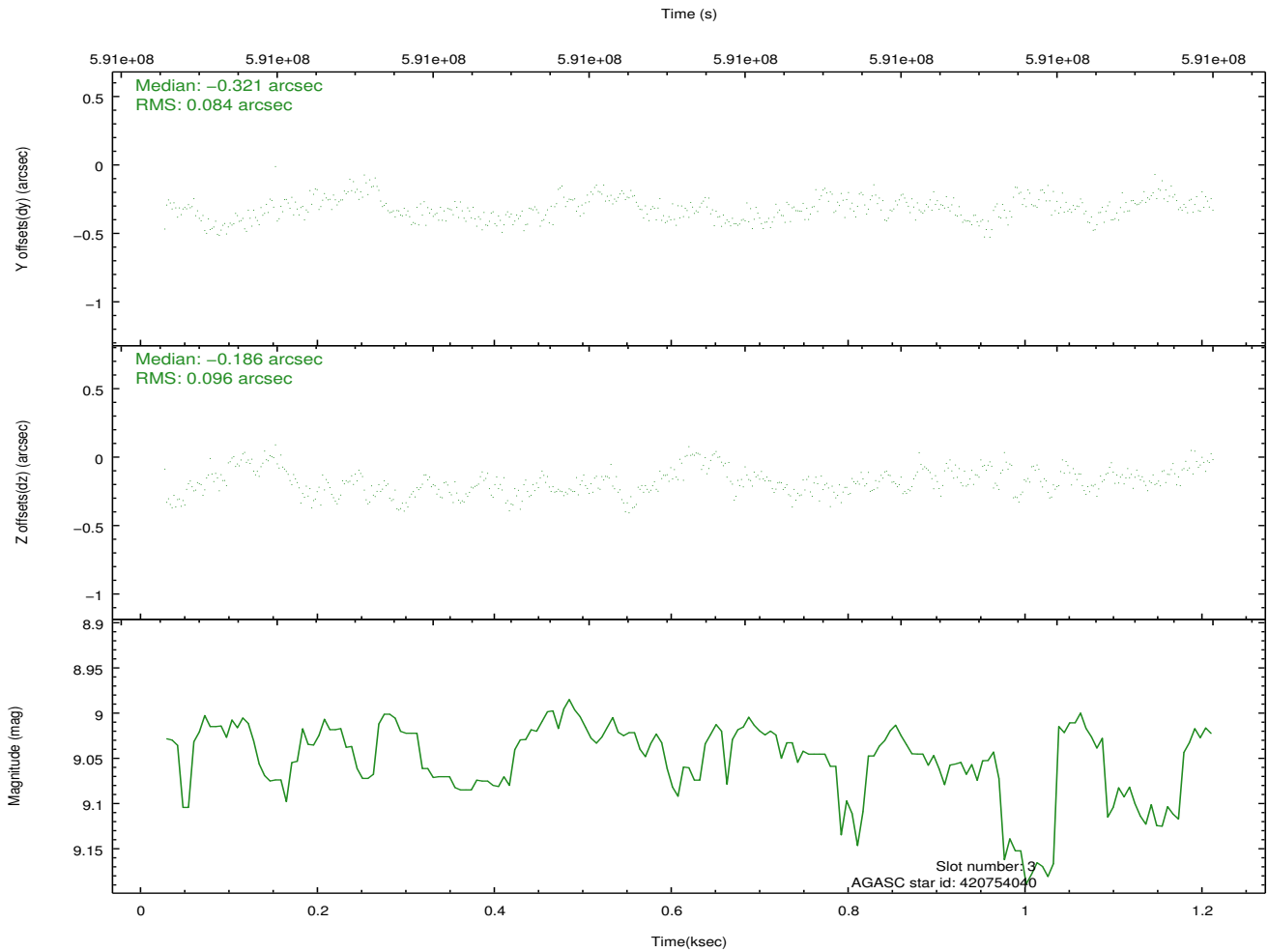
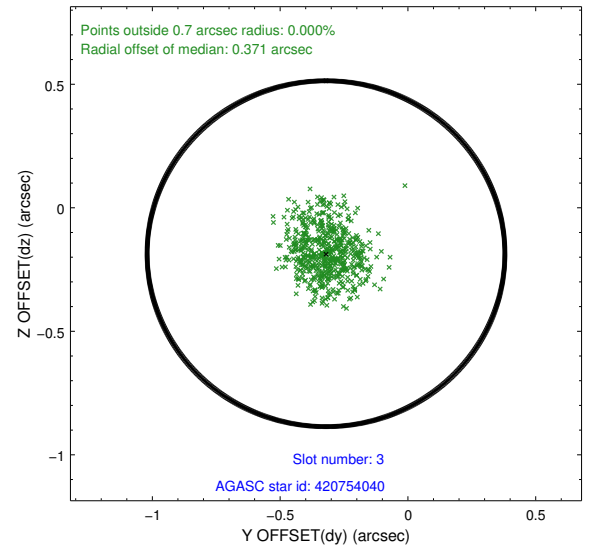
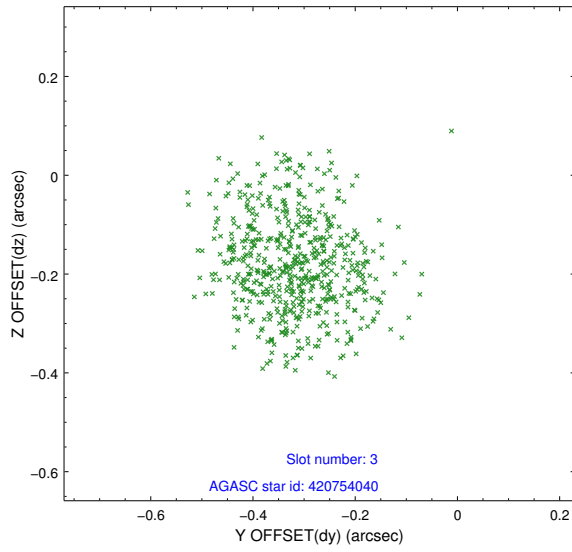


Slot Statistics

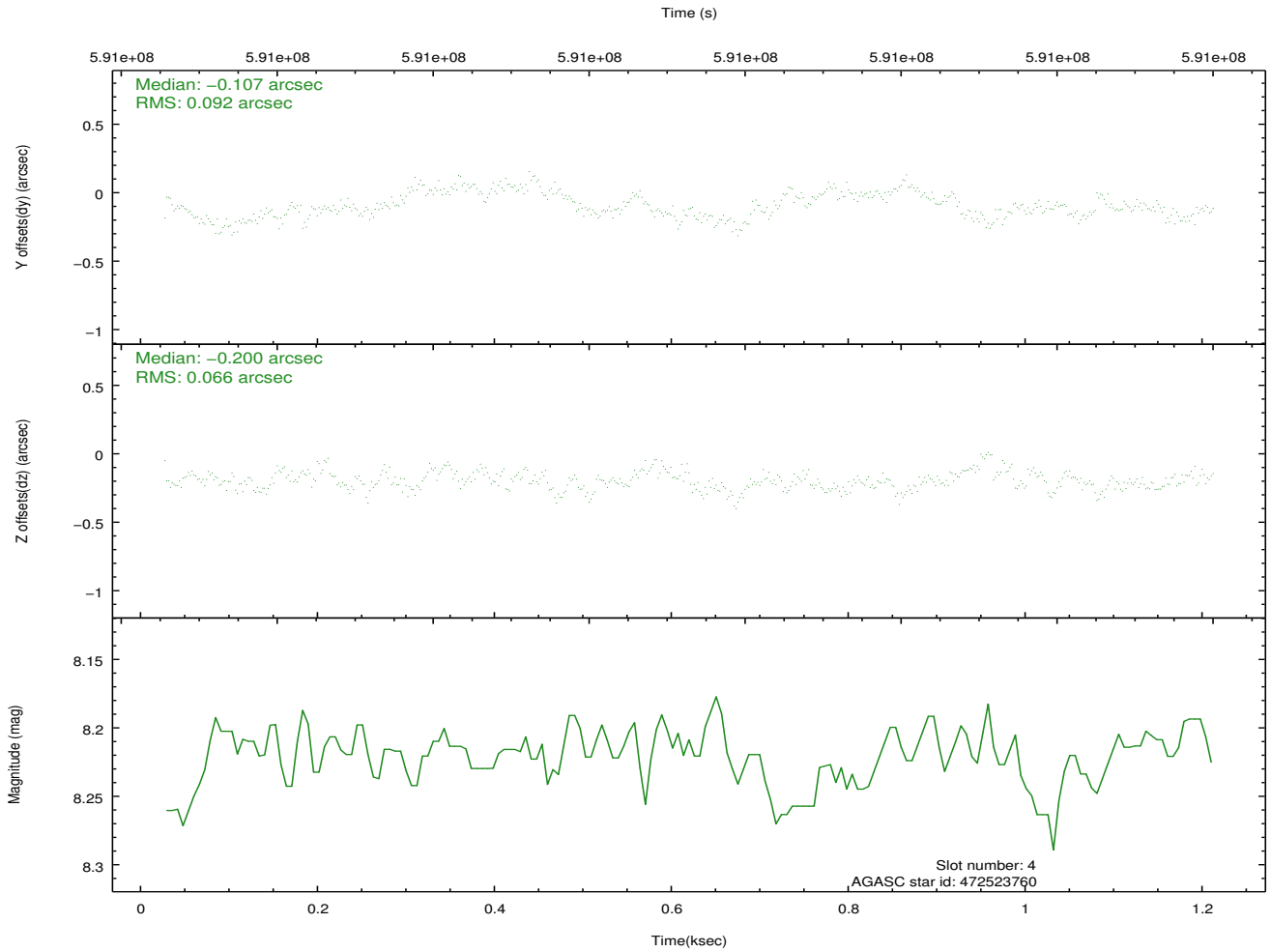
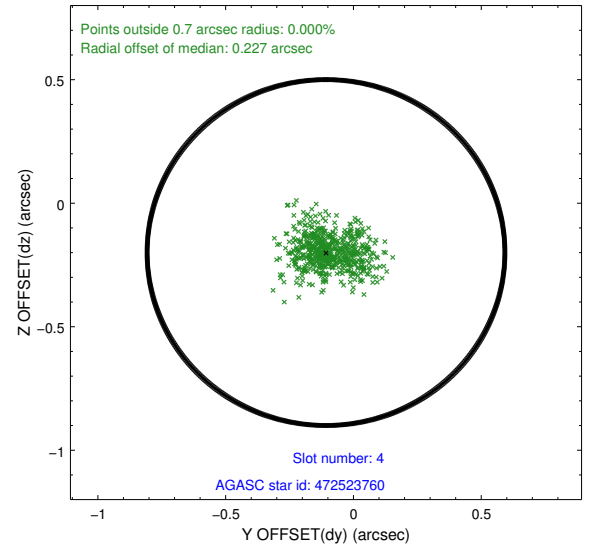
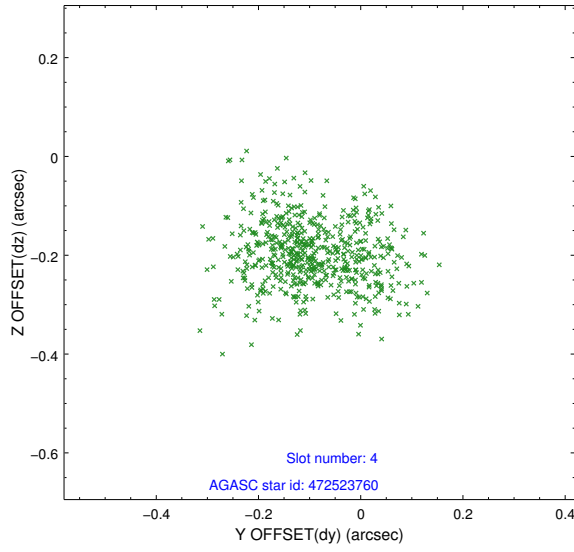
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.08	289	-0.029	-0.246	0.007	0.014	0.000000	0.000000	-1168.60	-464.69
1	FID		HRC-S-2	7.05	289	0.361	-0.131	0.005	0.011	0.000000	0.000000	1227.40	-458.77
2	FID		HRC-S-3	7.05	288	0.057	0.075	0.006	0.013	0.000000	0.000000	-1167.00	563.56
3	GUIDE	used	420754040	9.04	579	-0.321	-0.186	0.137	0.215	331.917939	44.882543	2337.32	2265.61
4	GUIDE	used	472523760	8.22	579	-0.107	-0.200	0.121	0.198	331.645363	45.403260	1761.51	357.12
5	GUIDE	used	472533912	9.13	579	0.284	0.189	0.162	0.248	331.791136	46.368695	-633.75	-2191.32
6	GUIDE	used	472655152	9.37	577	-0.088	-0.101	0.186	0.293	332.504239	45.862991	-966.50	328.73
7	GUIDE	used	472665256	8.98	578	0.207	0.267	0.154	0.253	332.808125	46.195041	-2289.04	-174.10

2.4 Star Slots

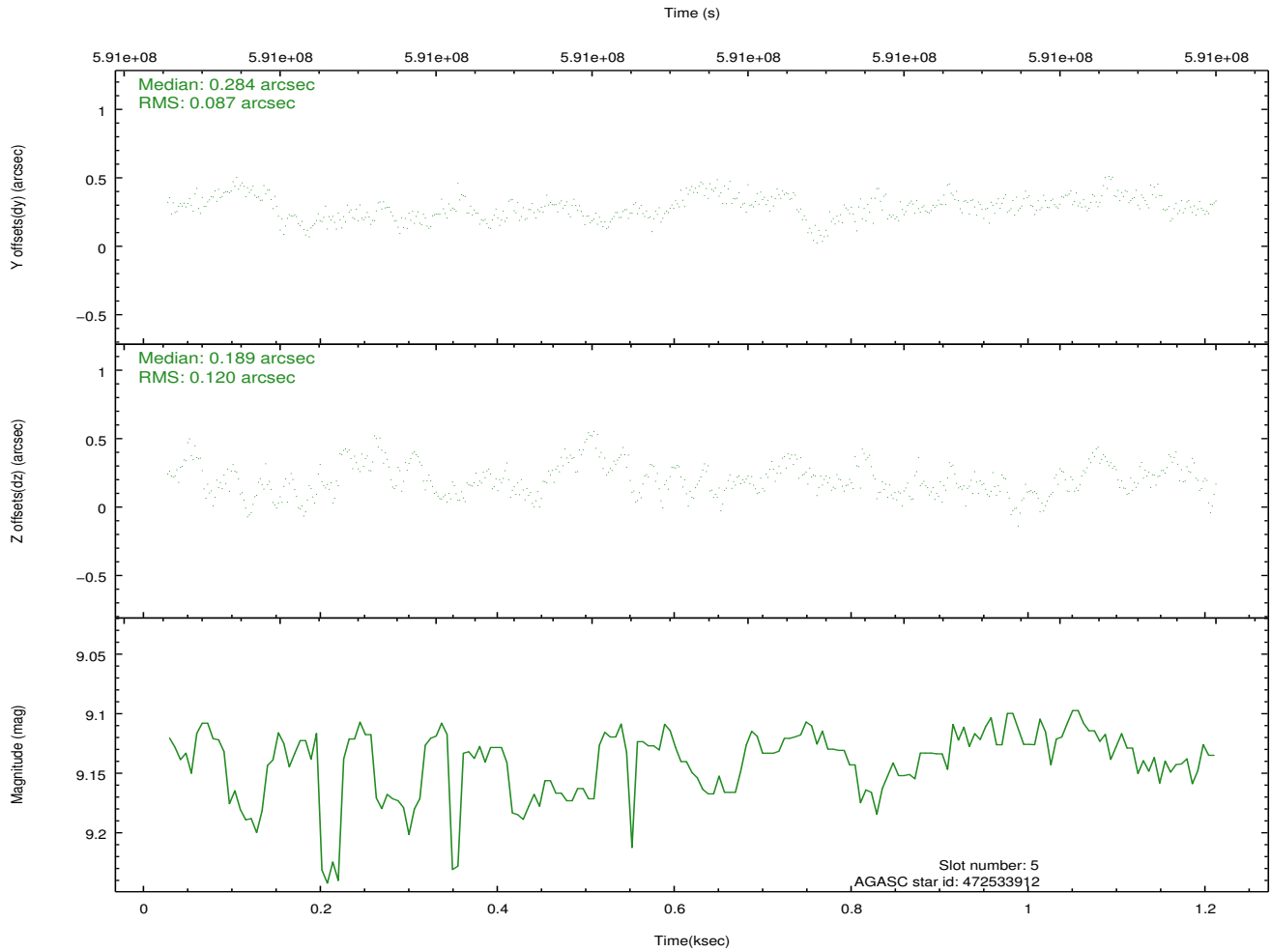
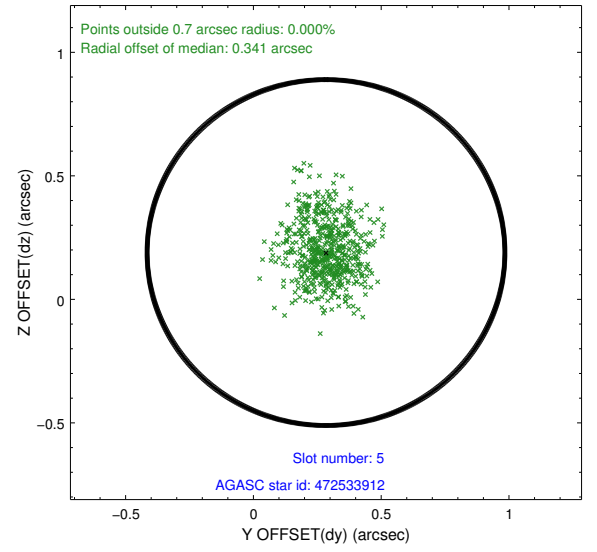
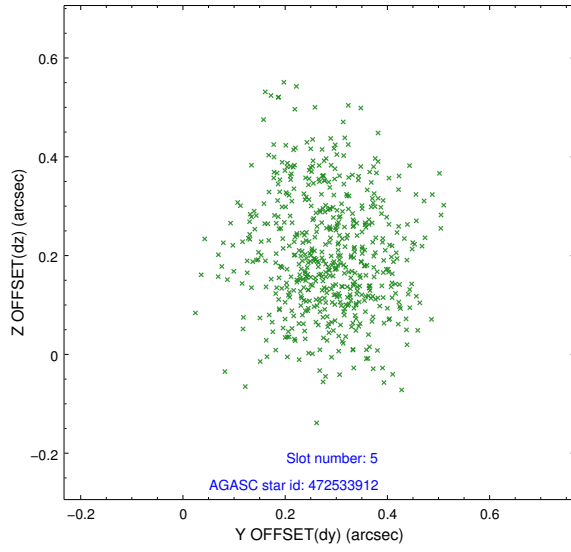
2.4.1 Slot 3



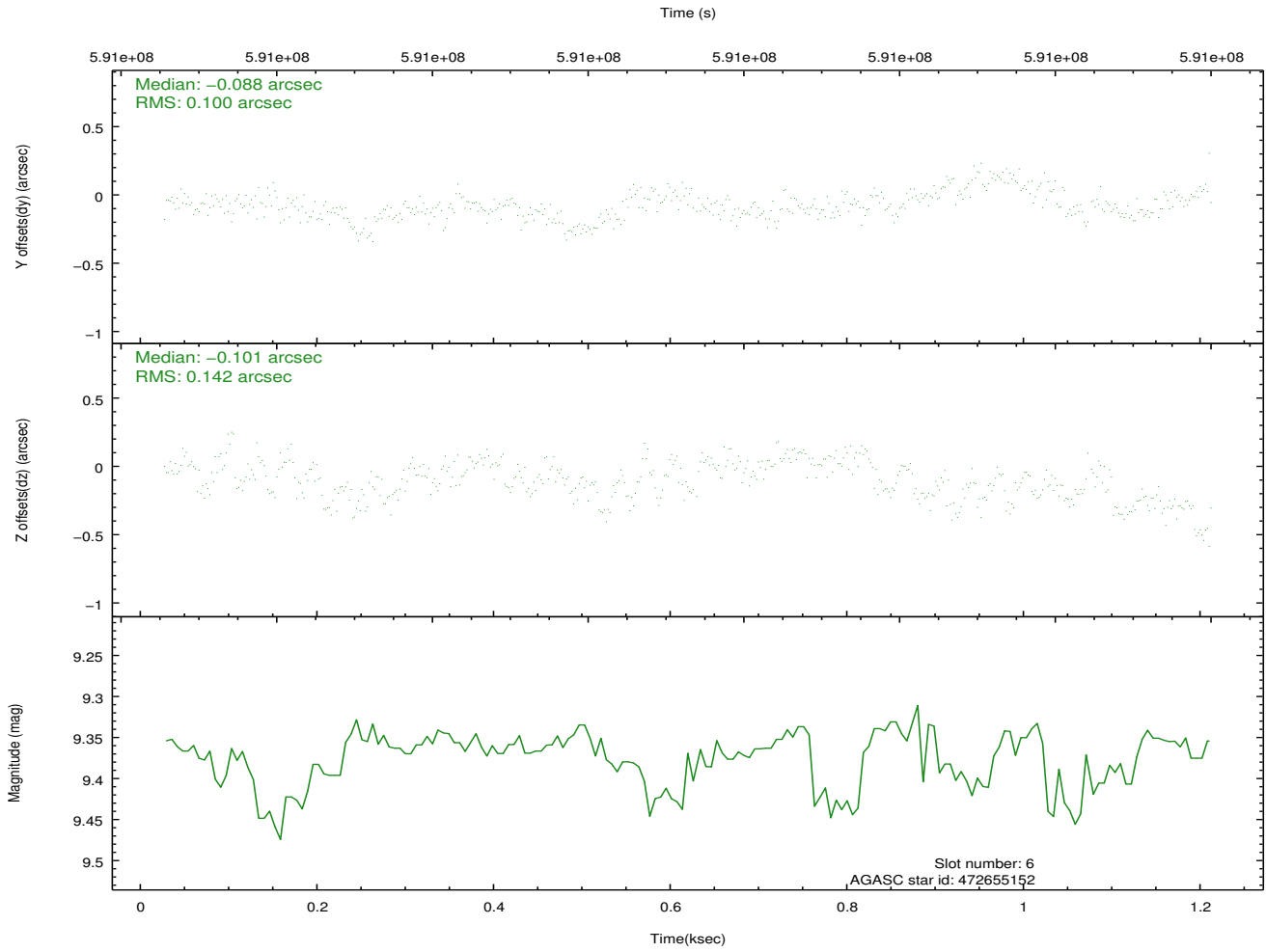
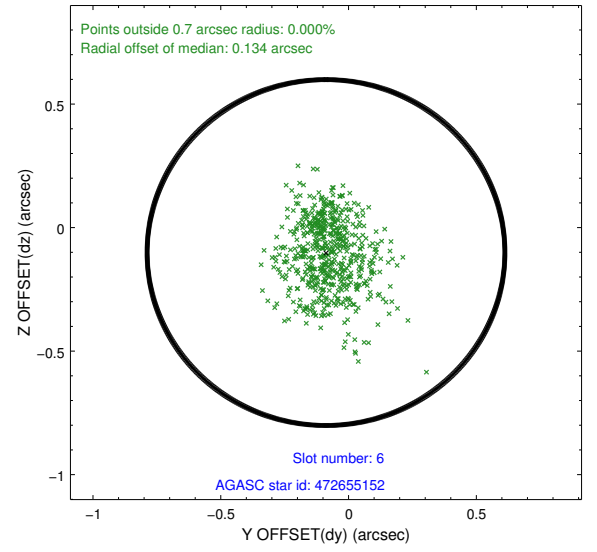
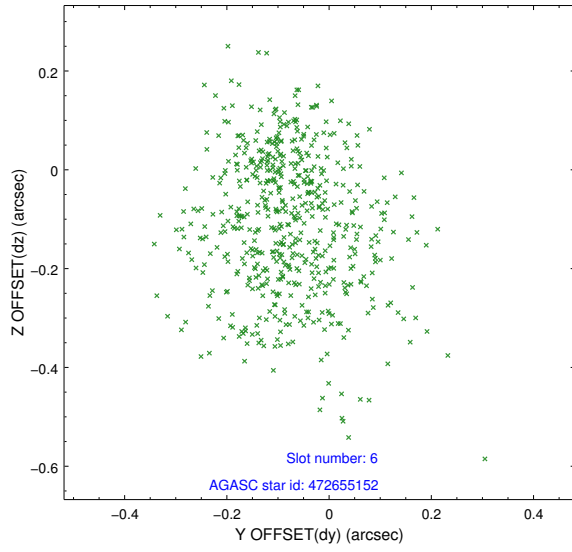
2.4.2 Slot 4



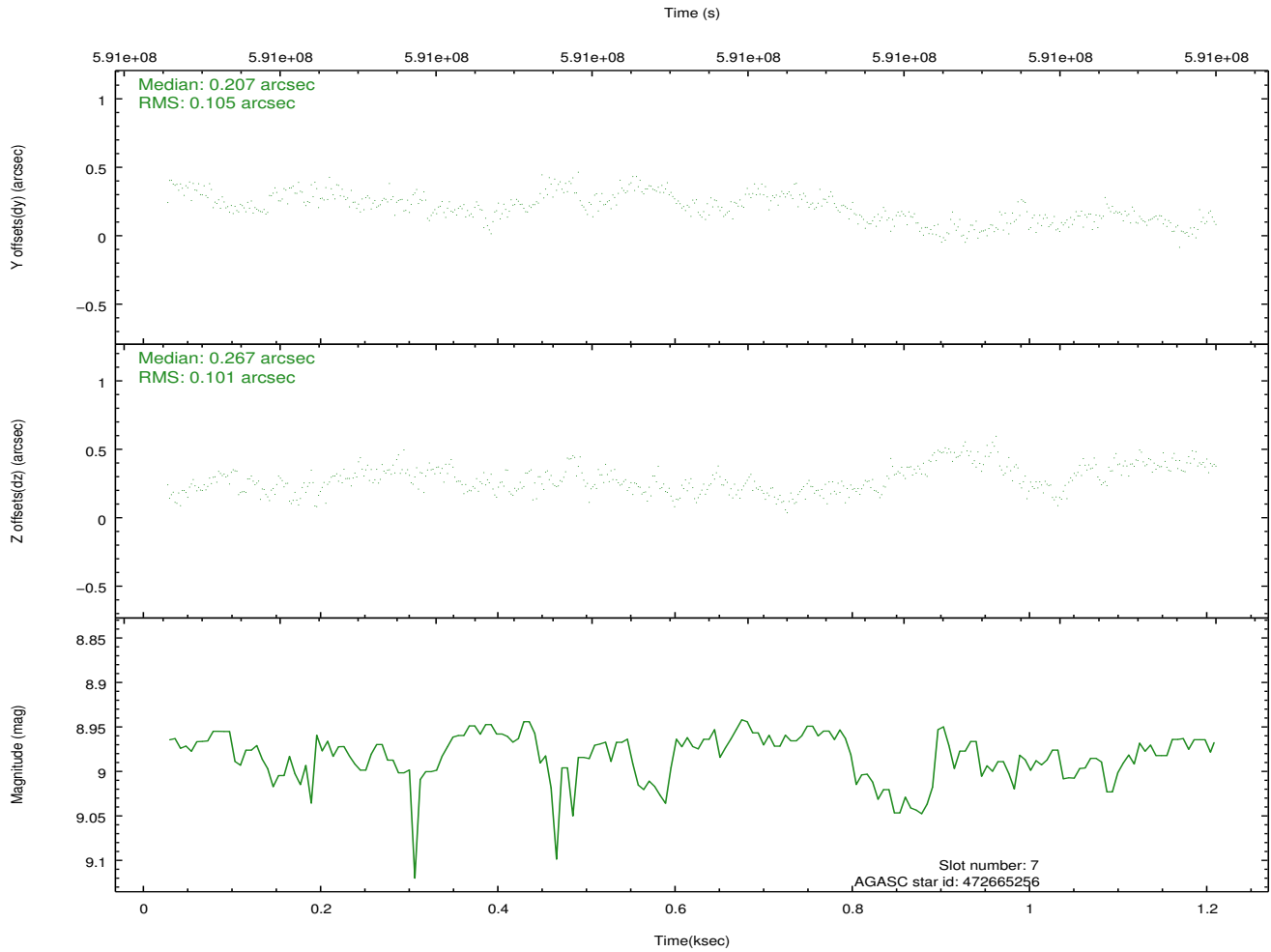
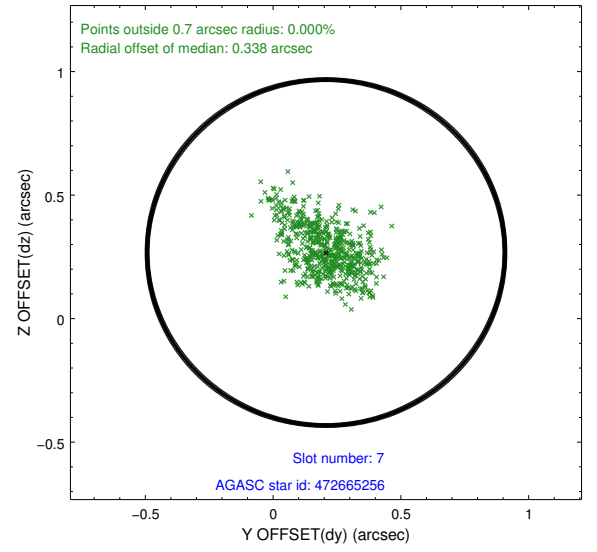
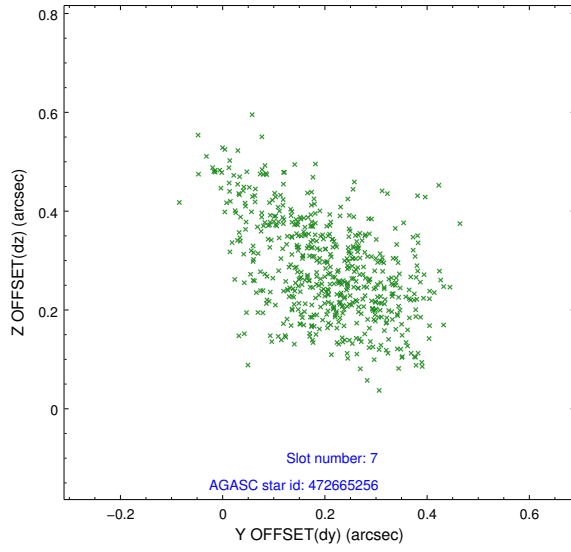
2.4.3 Slot 5



2.4.4 Slot 6

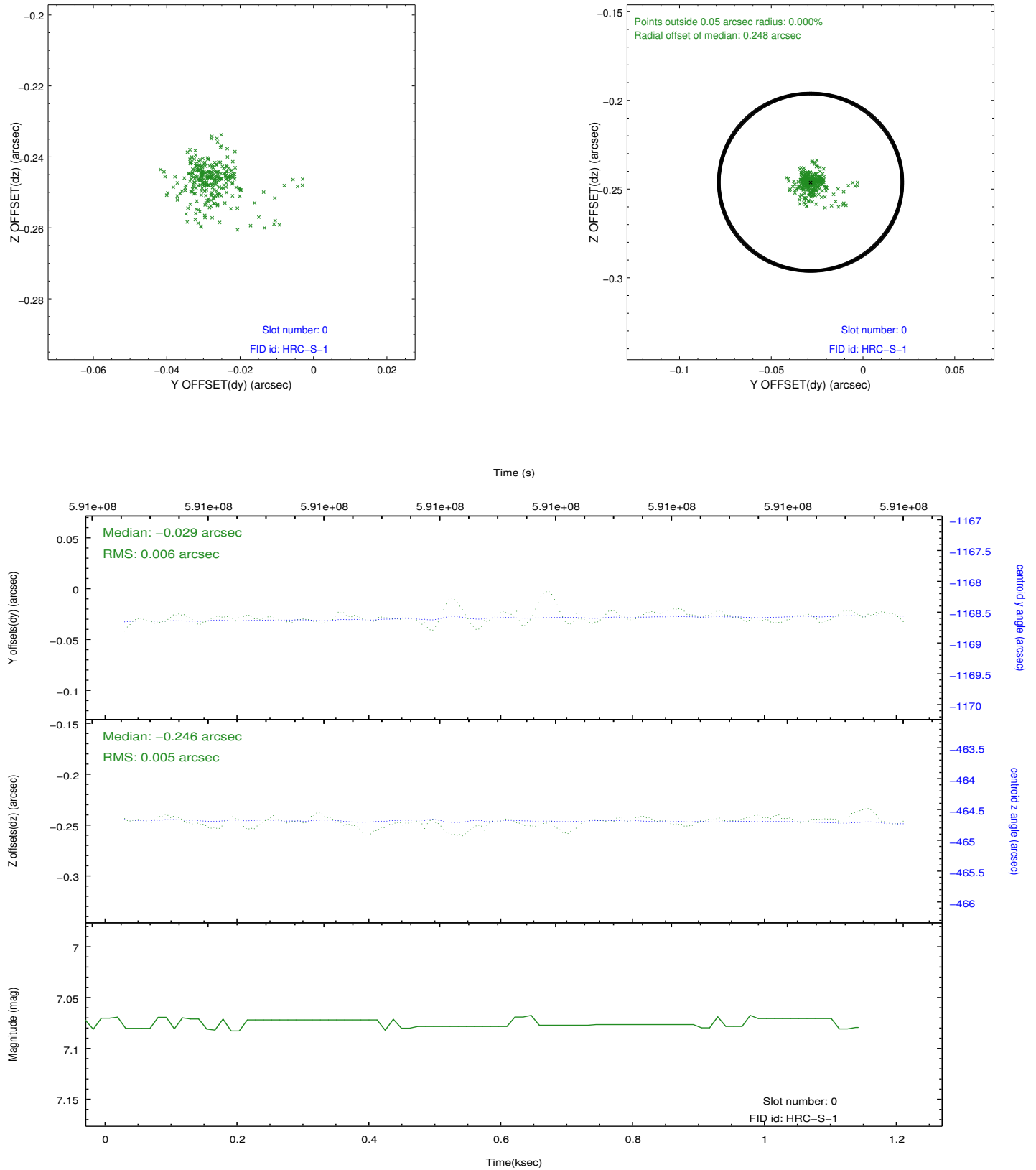


2.4.5 Slot 7

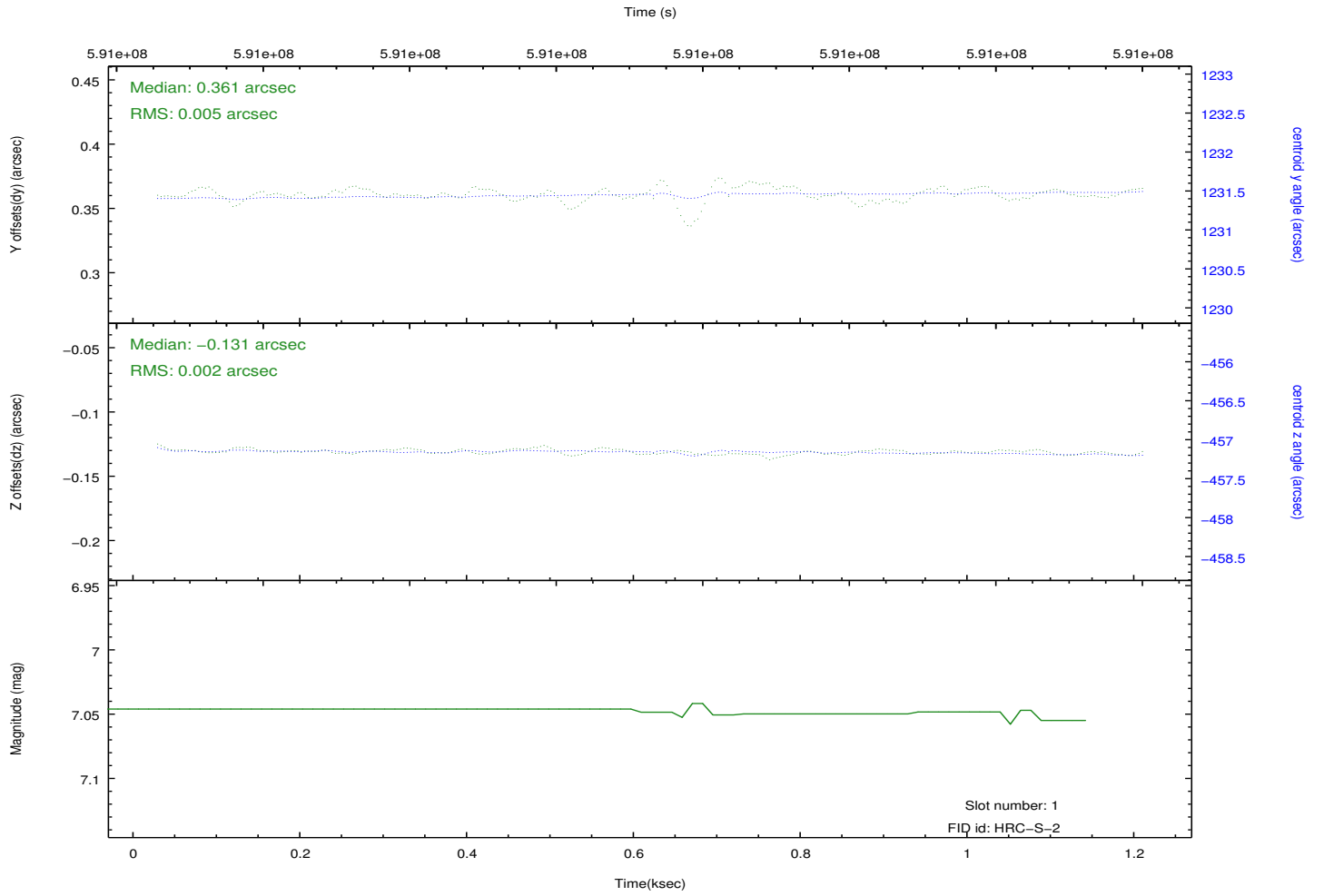
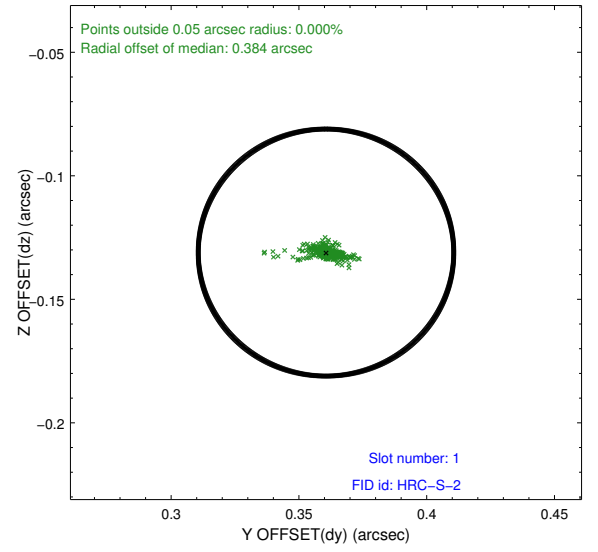
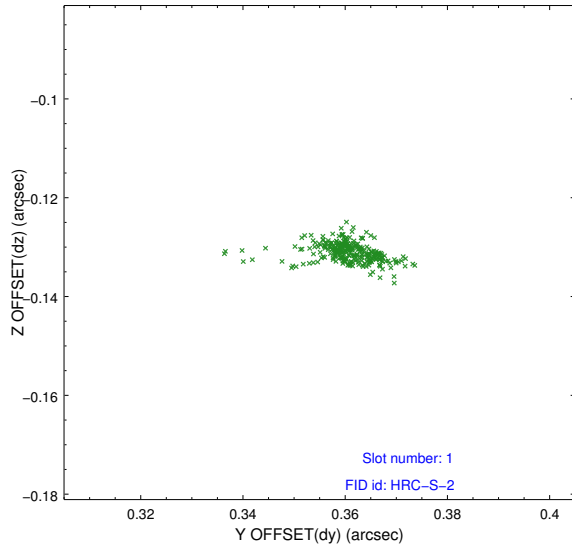


2.5 FID Slots

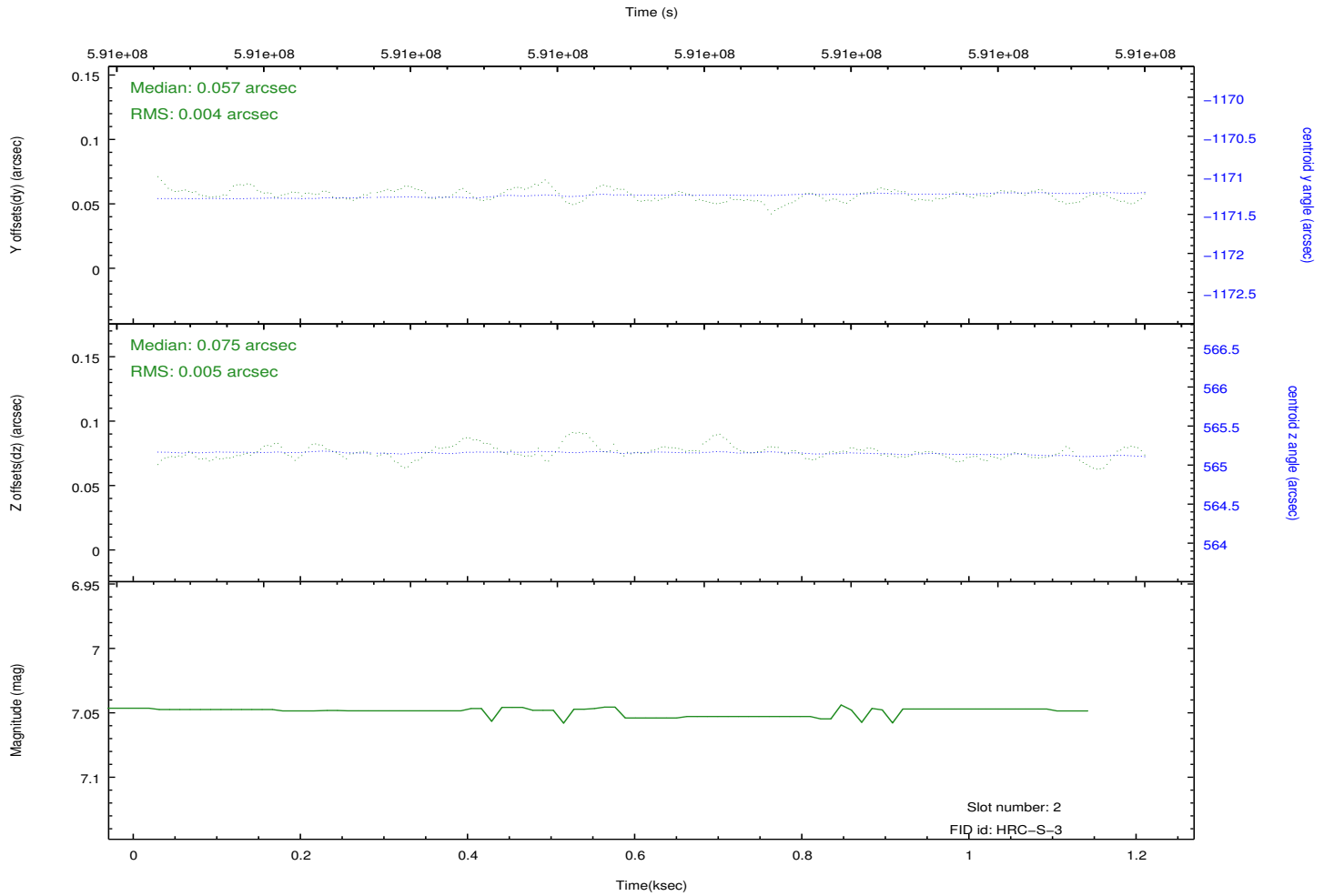
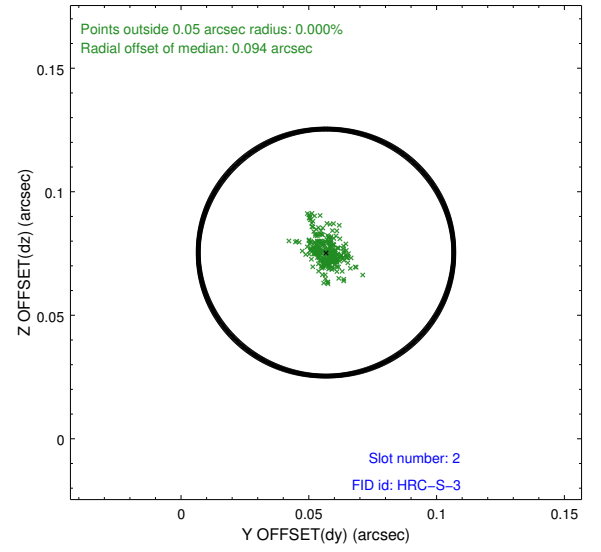
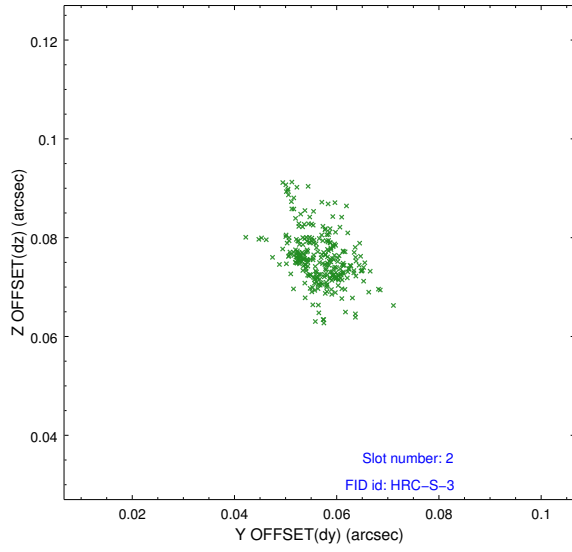
2.5.1 Slot 0



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	1.1123813135624

A.2 Comments