

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18376 - L2 Version 1
Chandra X-Ray Center

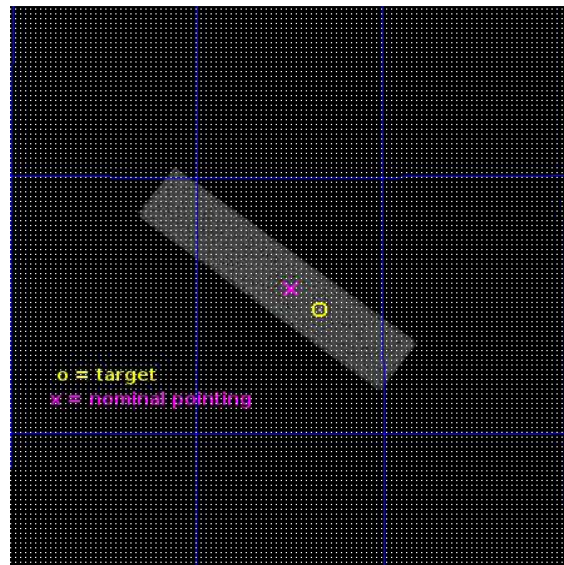
L2 Processing Date : Sep 23 2016

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1 Front

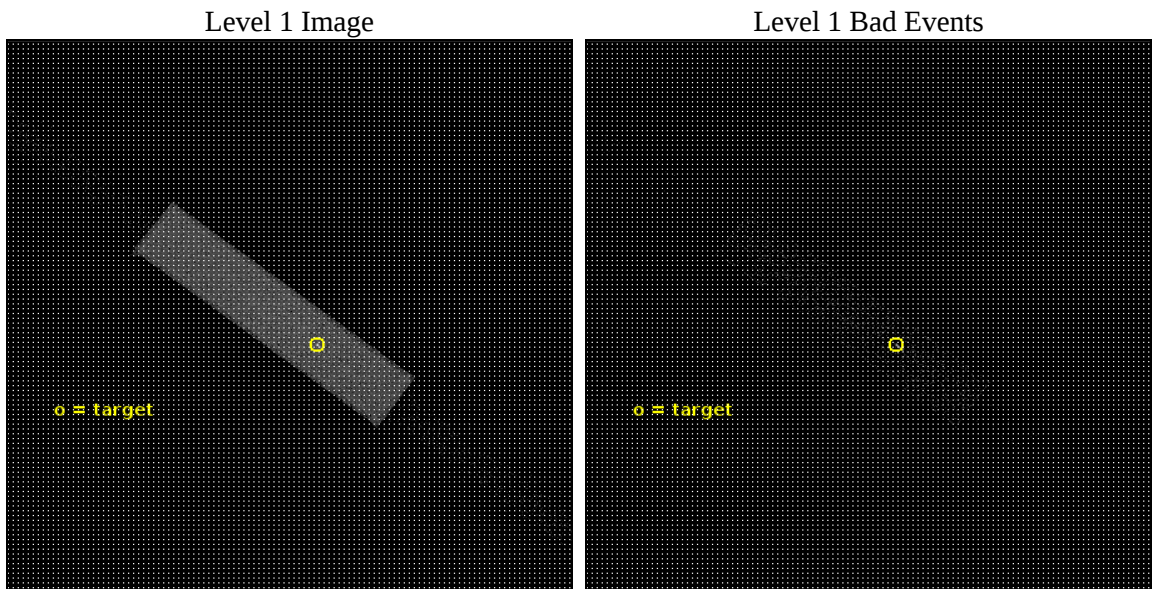
seq_num	291271	Sequence number
obs_id	18376	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24463870322	Nominal RA [deg]
dec_nom	45.782850478437	Nominal Dec [deg]
roll_nom	216.92441480531	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1180.0313179493	[s]
livetime	1171.390820336	Ontime multiplied by DTCOR
l2events	66774	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	1180.0313179493	[s]
caldbver	4.7.2	 	l1events	99640	Number of level 1 events
date	2016-09-23T18:34:52	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

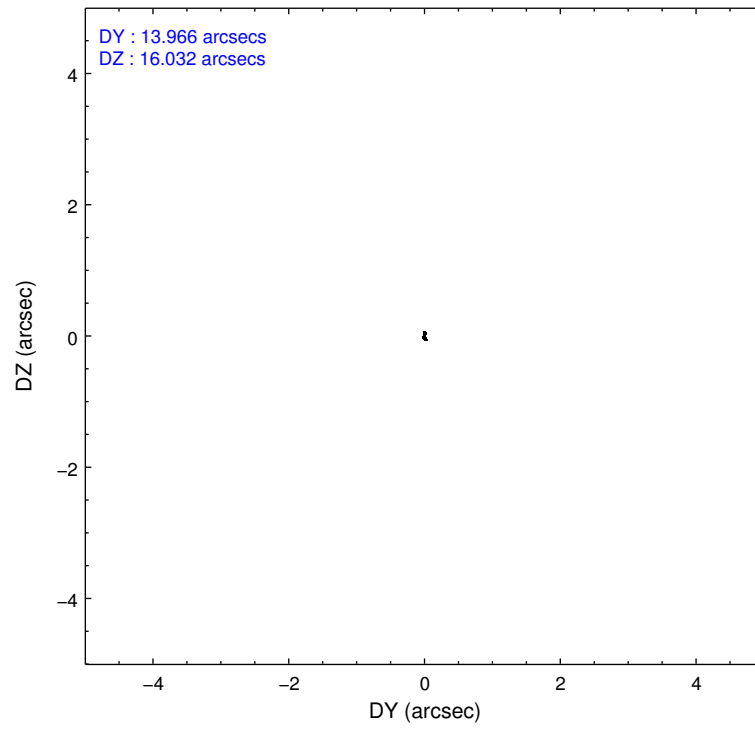
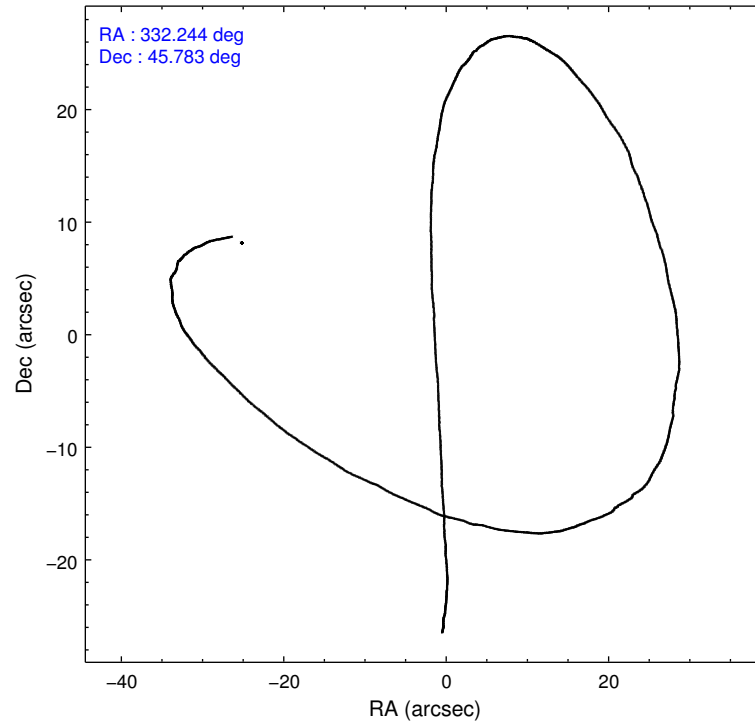
	segment 1	segment 2	segment 3
level 1 events	806	98082	752
rejected events	806	20844	752
rejected %	100%	21%	100%

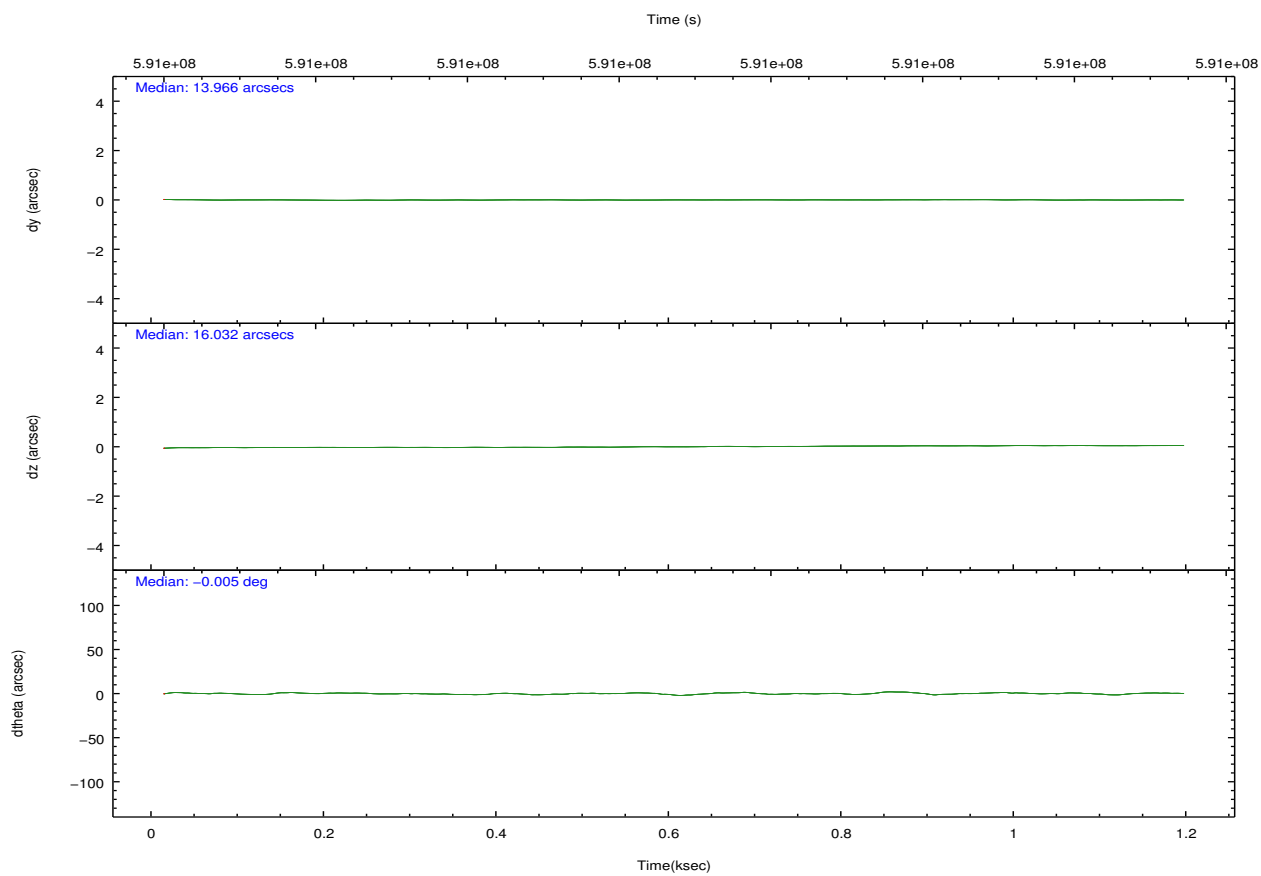
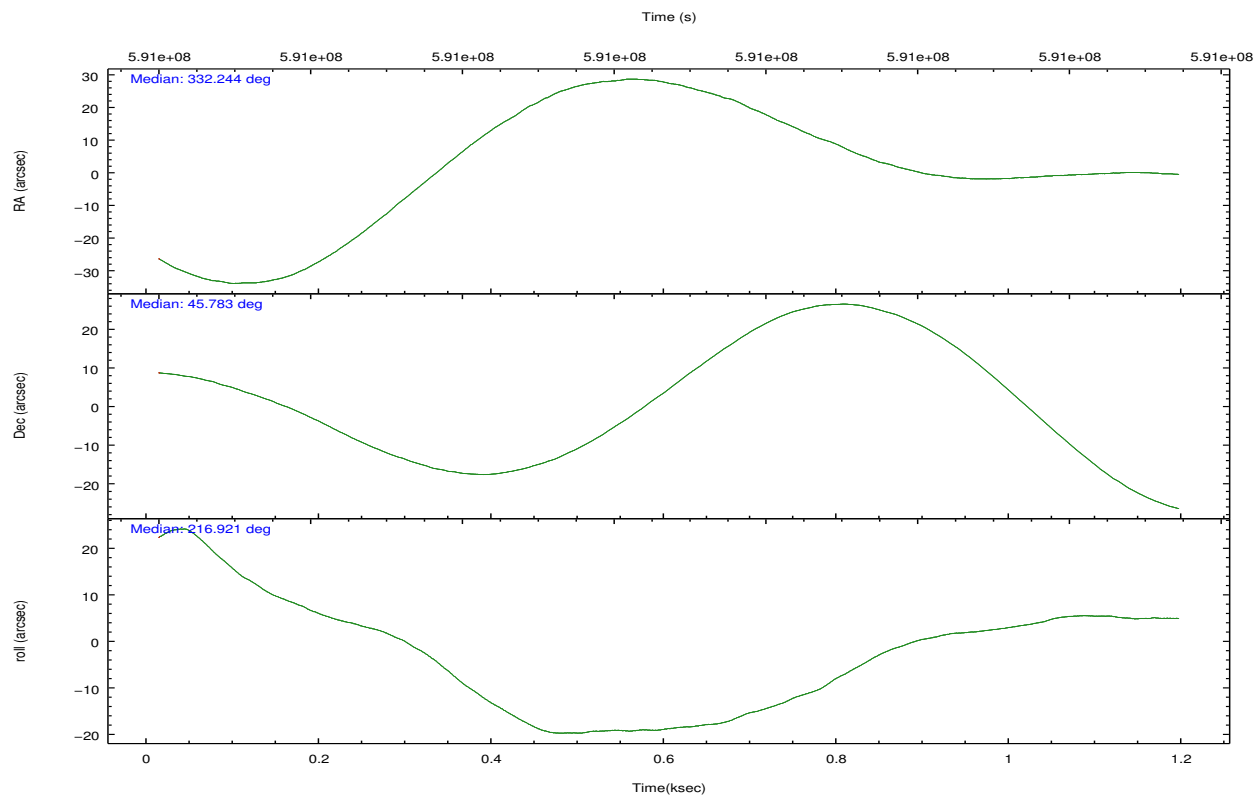
2.2 Compared Parameters

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	332.259720	332.2446387032198
[deg] Pointing Dec	45.809880	45.78285047843706
[deg] Pointing Roll	216.846323	216.924414805313
[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)	591000262.184000	590999886.71609
Observation start date	2016-09-23T06:43:14	2016-09-23T06:38:06
[s] Observation end time (MET)	591001262.184000	591001396.54117
Observation end date	2016-09-23T06:59:54	2016-09-23T07:03:16

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

2.3 Aspect



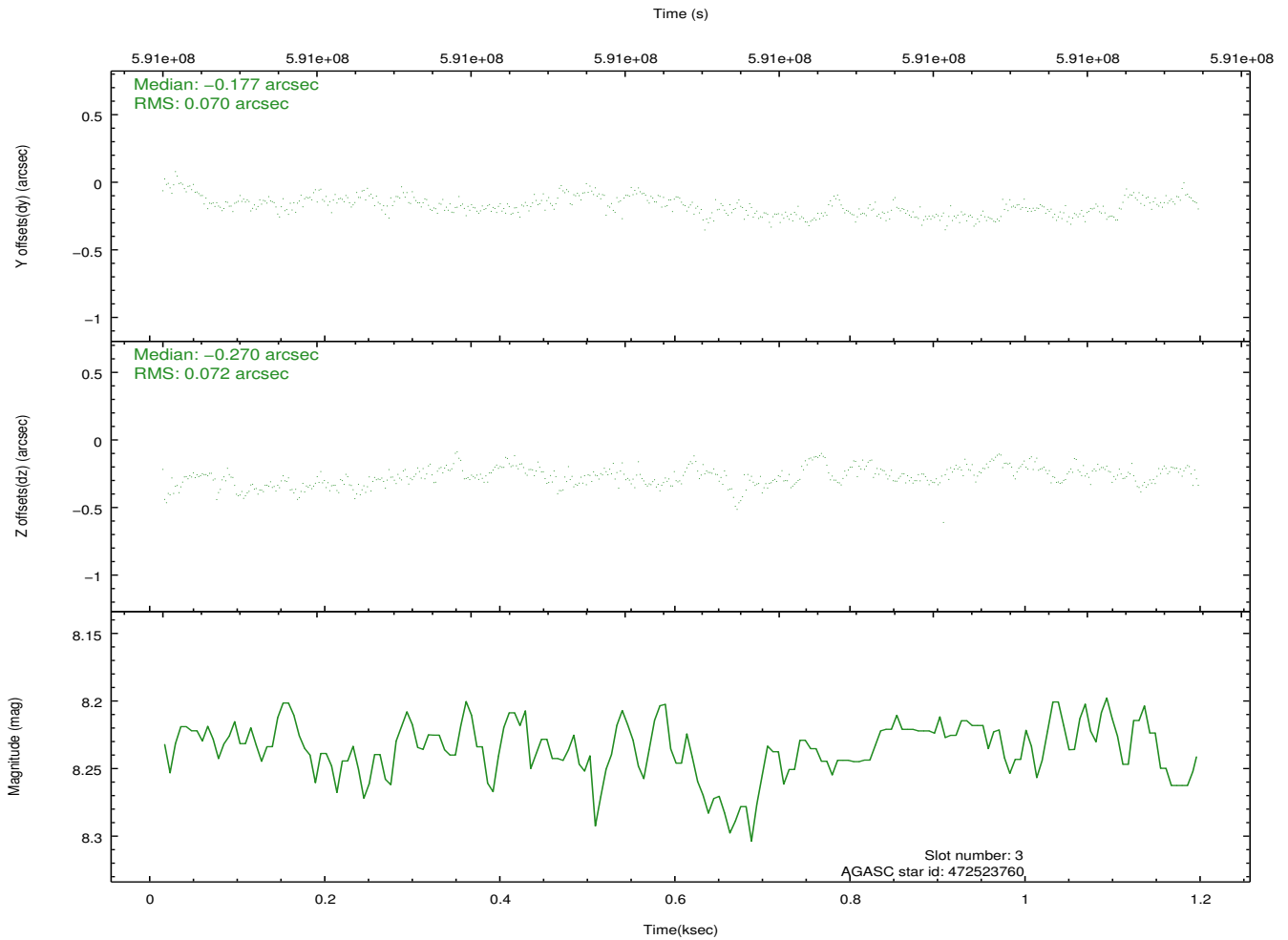
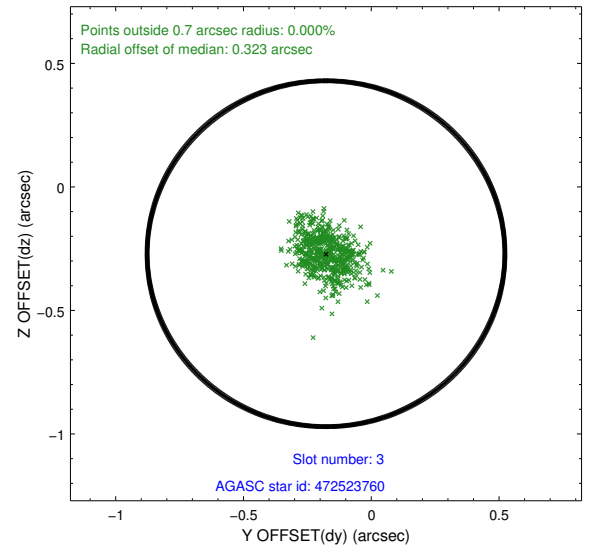
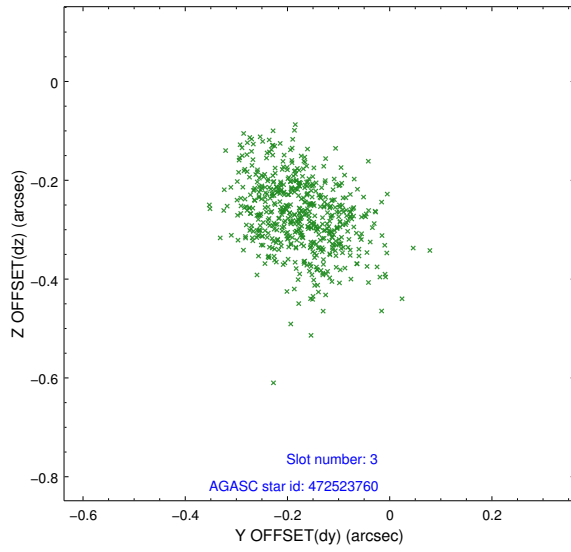


Slot Statistics

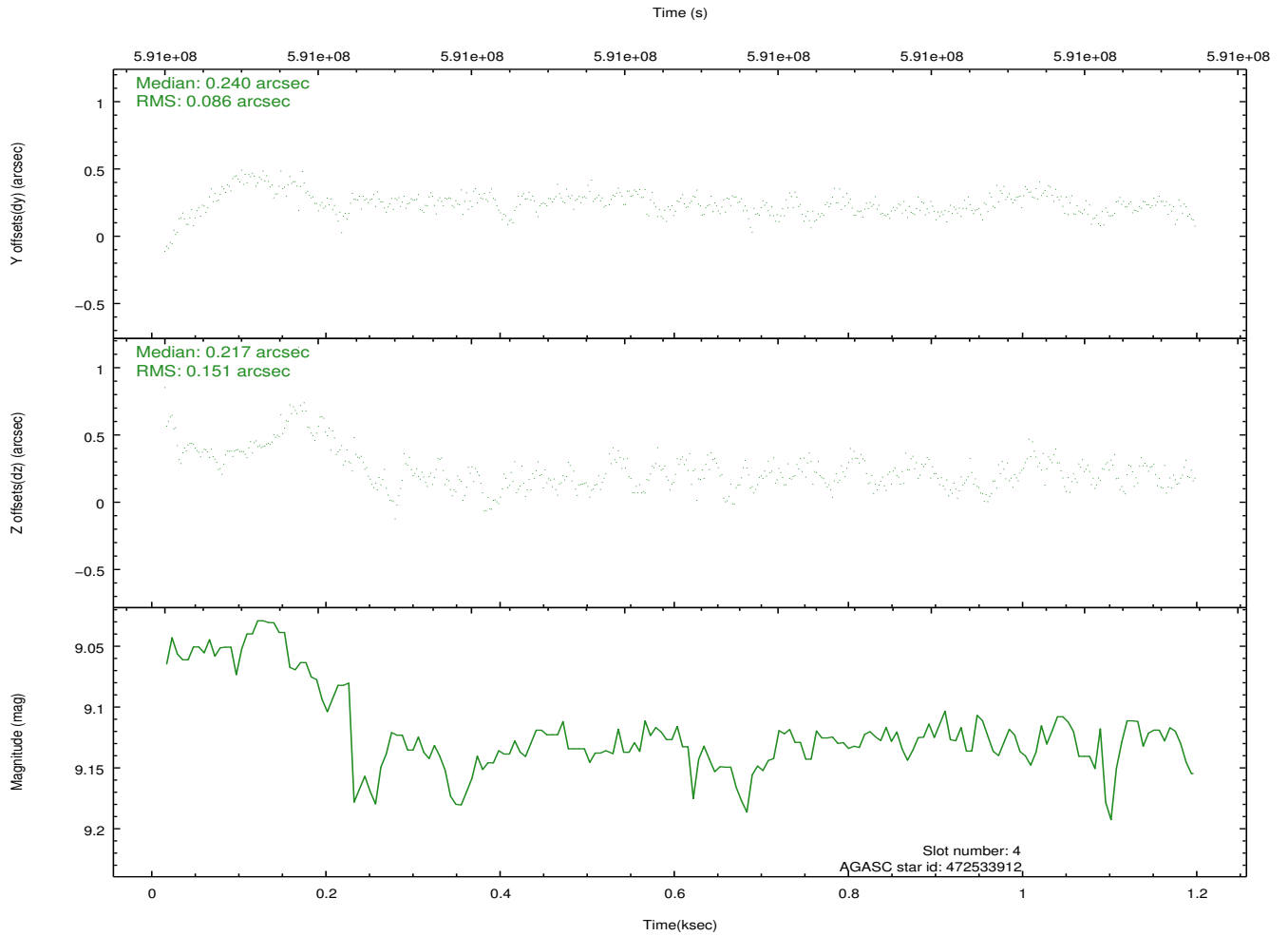
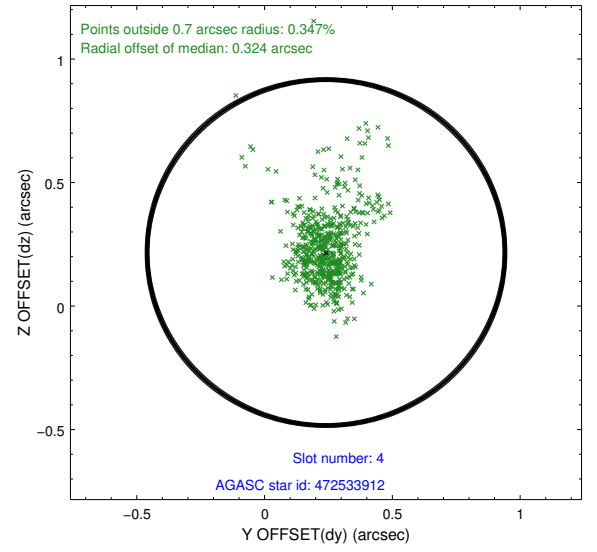
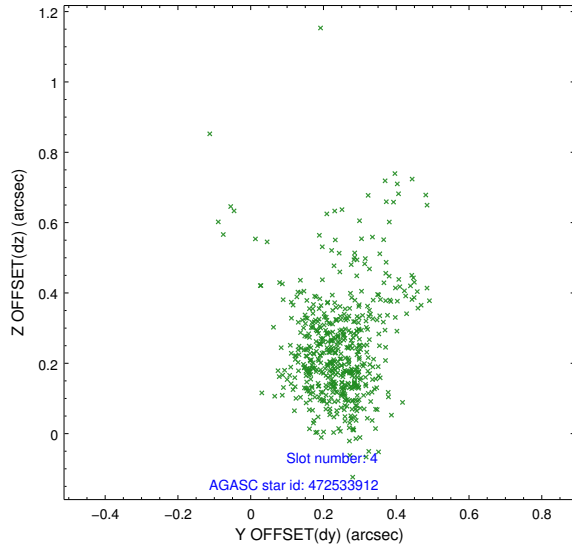
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.07	289	-0.023	-0.230	0.007	0.012	0.000000	0.000000	-1168.41	-464.96
1	FID		HRC-S-2	7.05	289	0.357	-0.131	0.006	0.012	0.000000	0.000000	1227.58	-459.05
2	FID		HRC-S-3	7.05	289	0.056	0.059	0.007	0.010	0.000000	0.000000	-1166.83	563.26
3	GUIDE	used	472523760	8.23	578	-0.177	-0.270	0.103	0.175	331.645363	45.403260	2116.02	236.88
4	GUIDE	used	472533912	9.13	577	0.240	0.217	0.150	0.334	331.791136	46.368695	-273.78	-2308.44
5	GUIDE	used	472654568	9.40	578	-0.204	-0.037	0.145	0.220	332.194449	45.063576	1742.26	2048.13
6	GUIDE	used	472655152	9.41	578	-0.014	-0.179	0.175	0.282	332.504239	45.862991	-603.67	218.92
7	GUIDE	used	472665256	8.99	575	0.149	0.234	0.136	0.215	332.808125	46.195041	-1929.69	-291.81

2.4 Star Slots

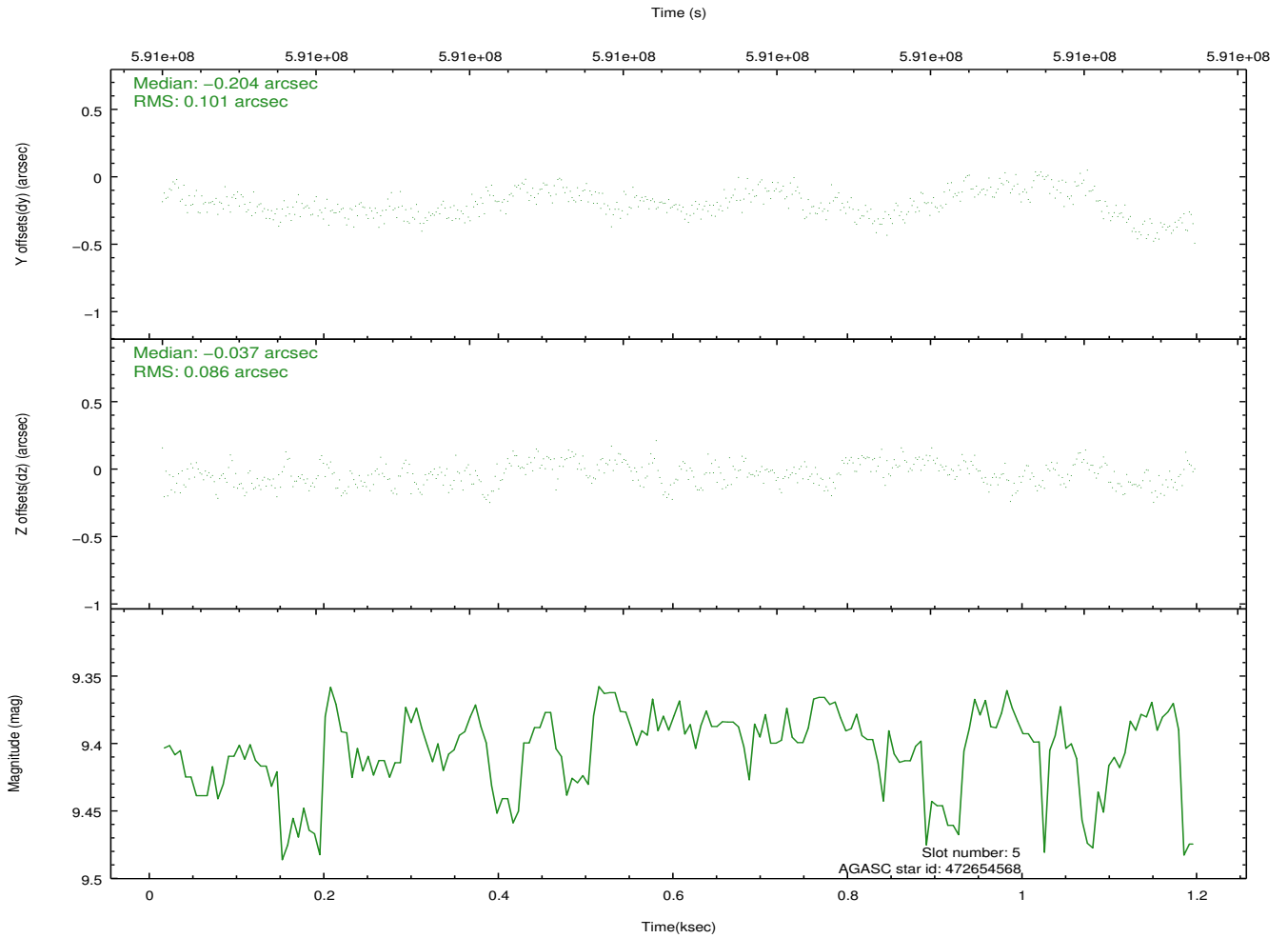
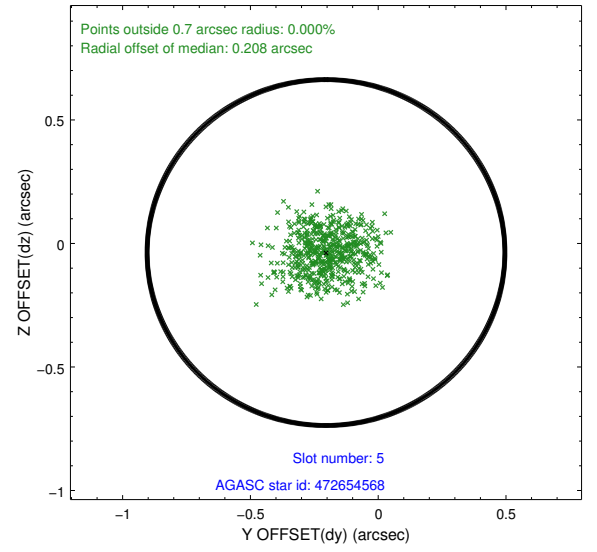
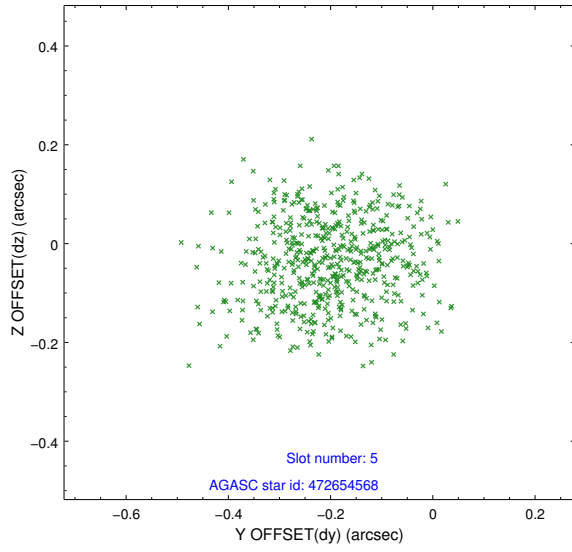
2.4.1 Slot 3



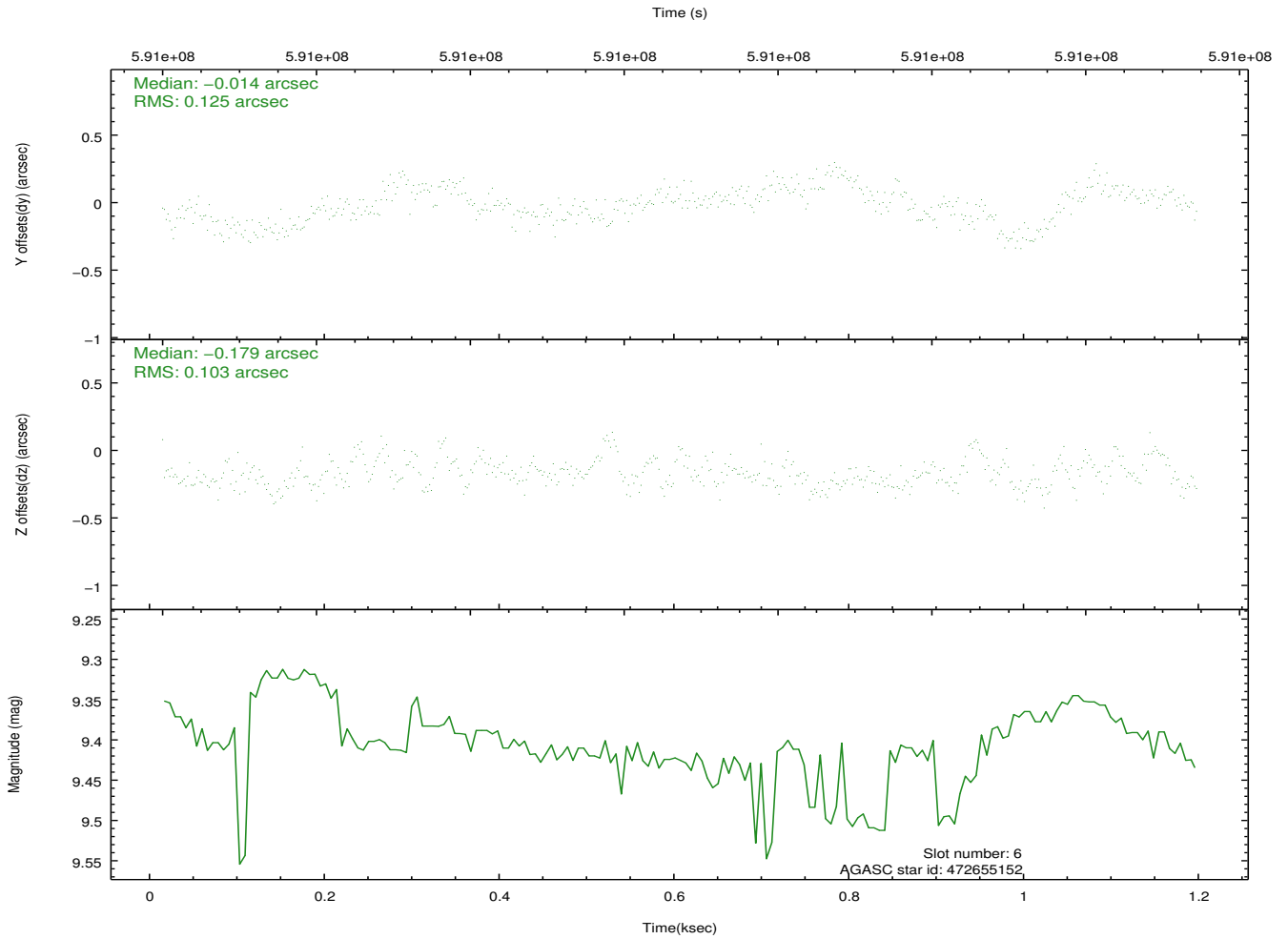
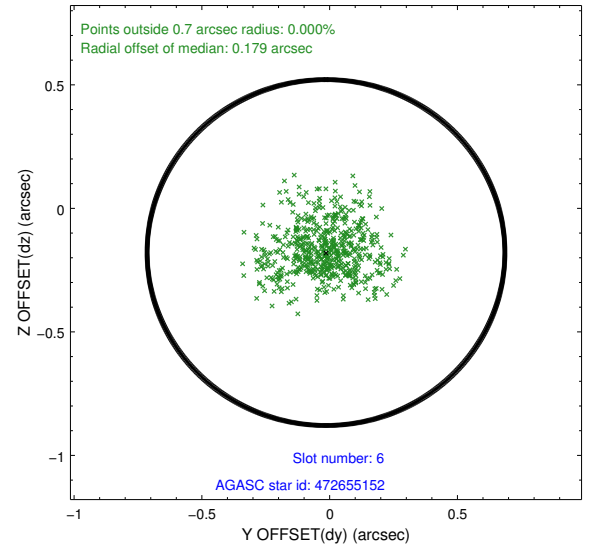
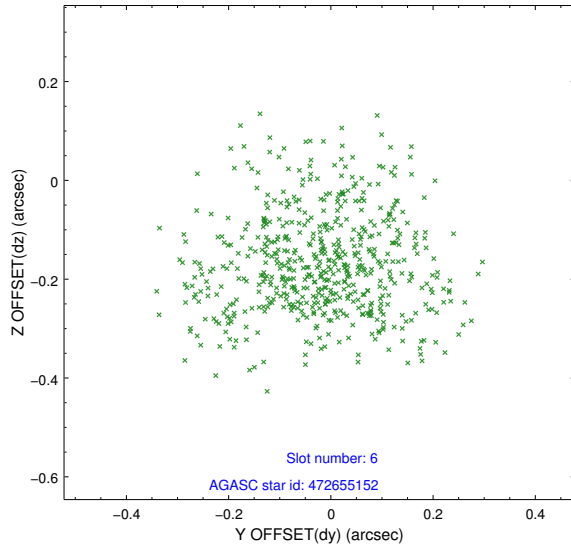
2.4.2 Slot 4



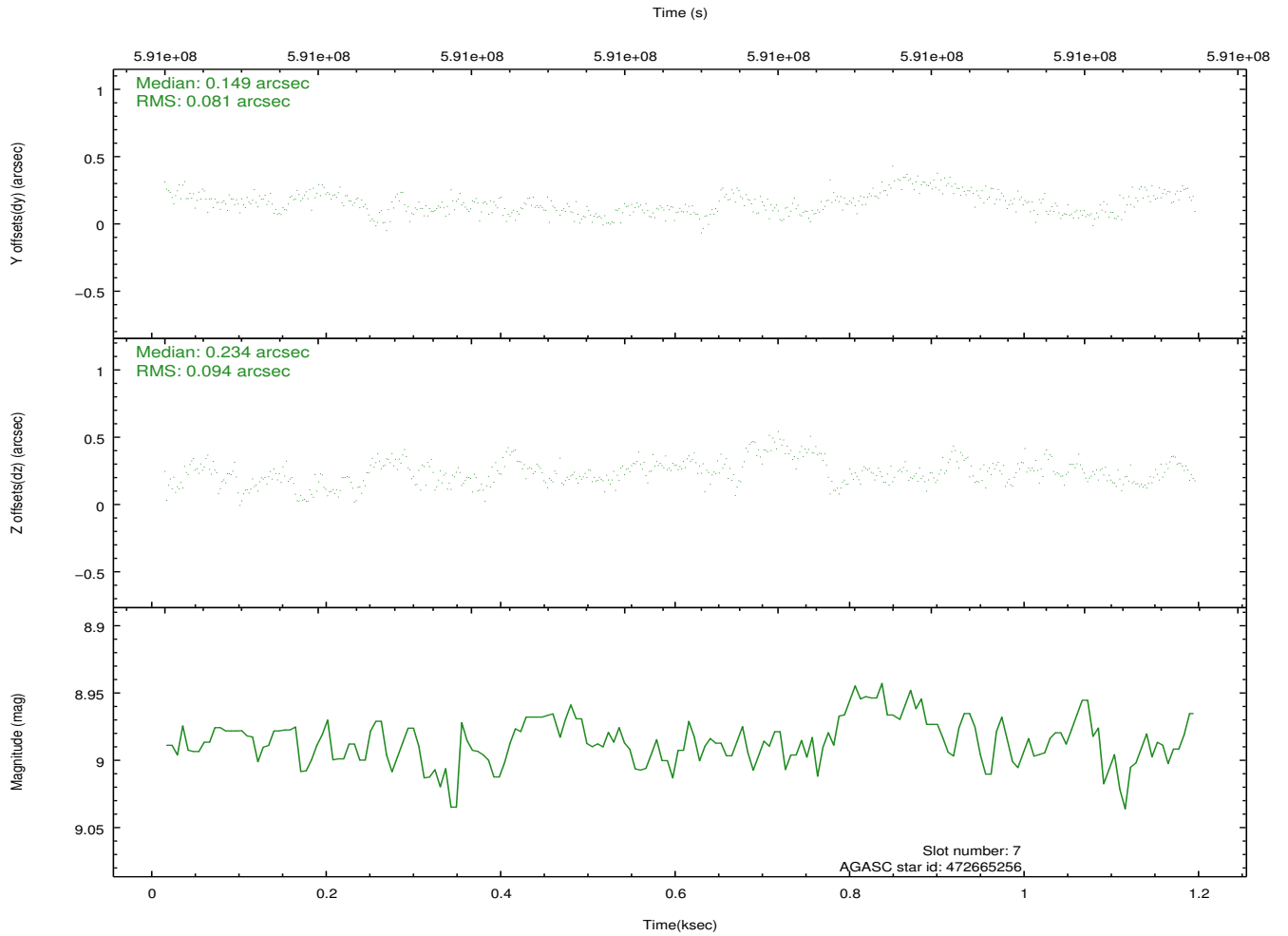
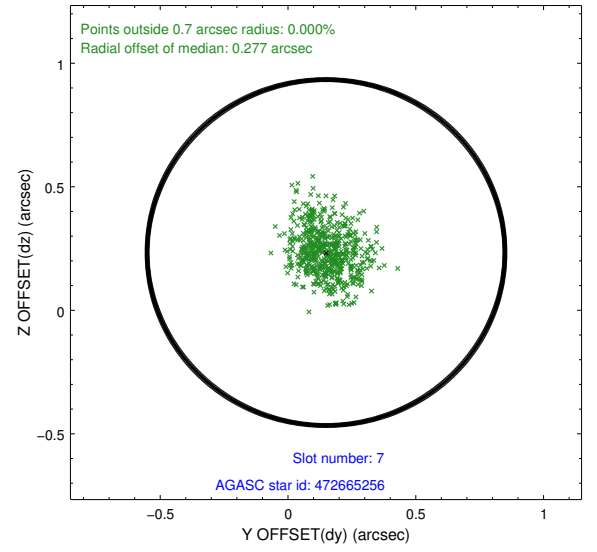
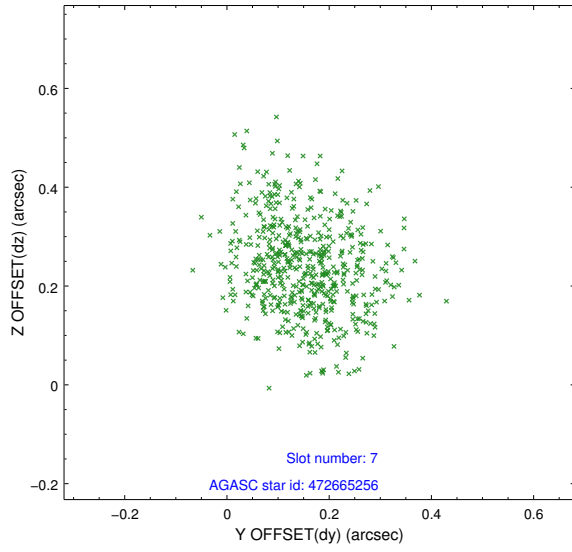
2.4.3 Slot 5



2.4.4 Slot 6

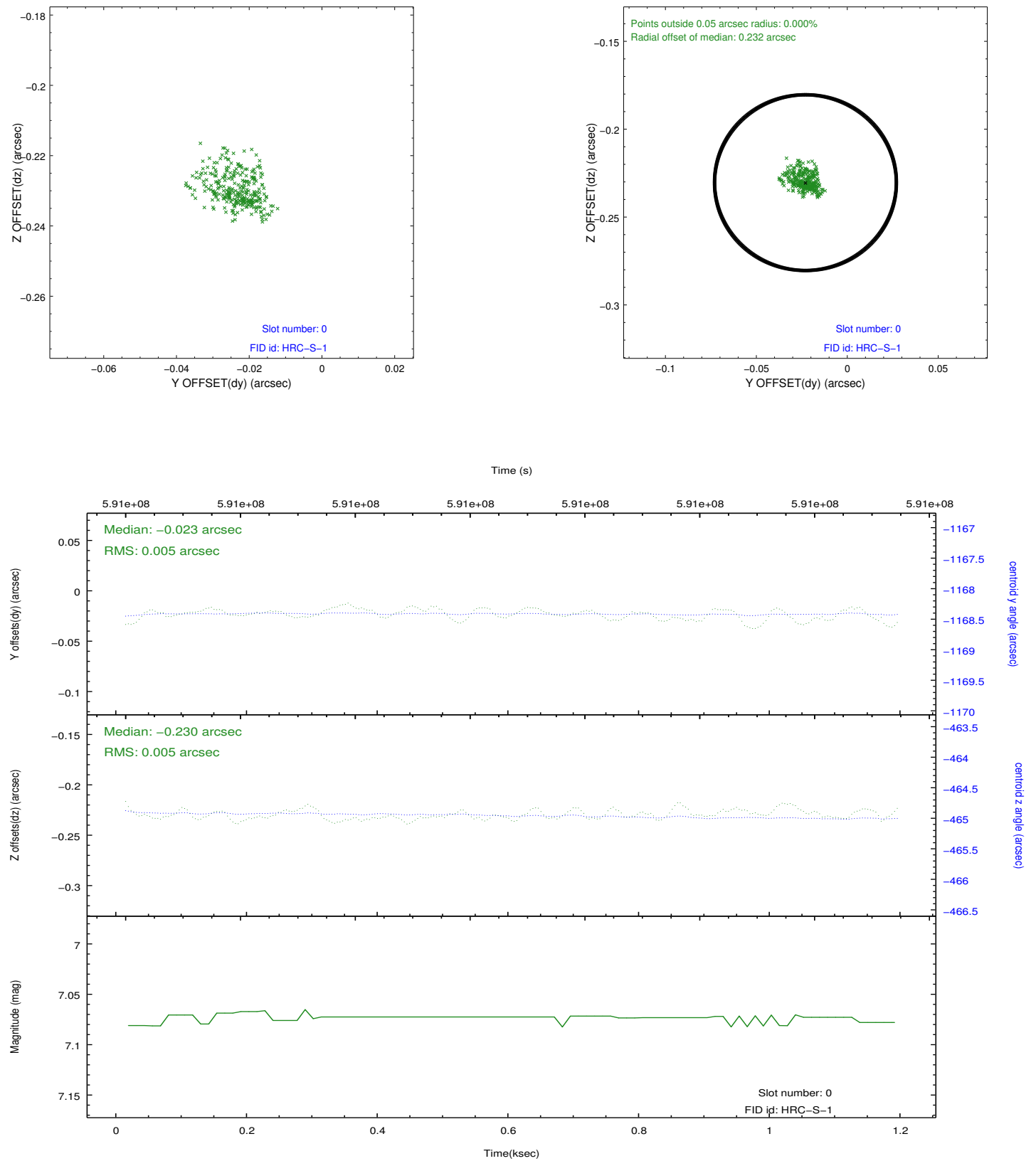


2.4.5 Slot 7

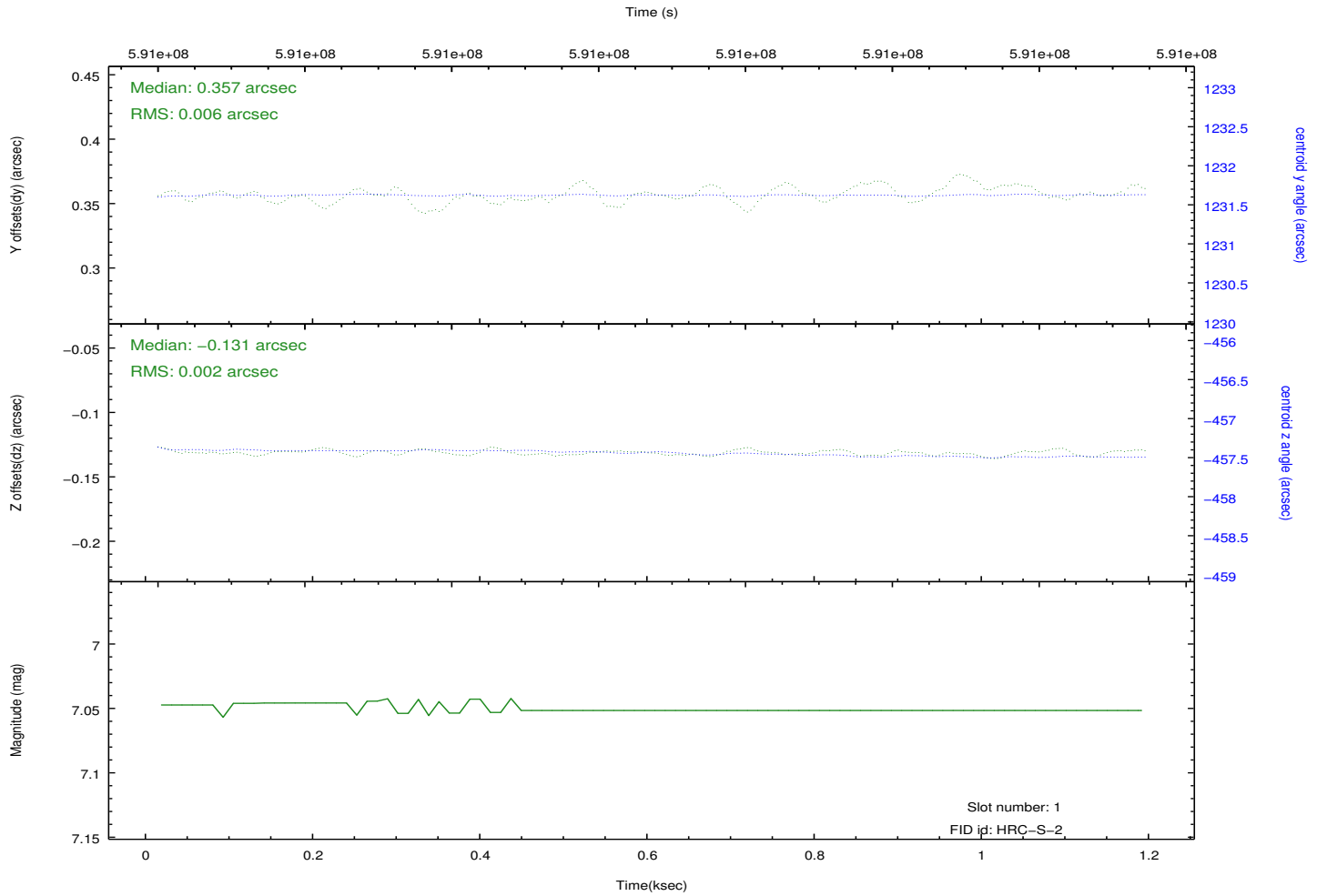
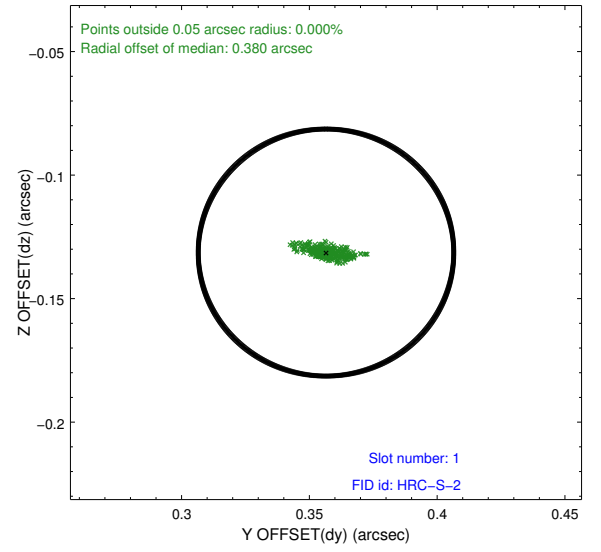
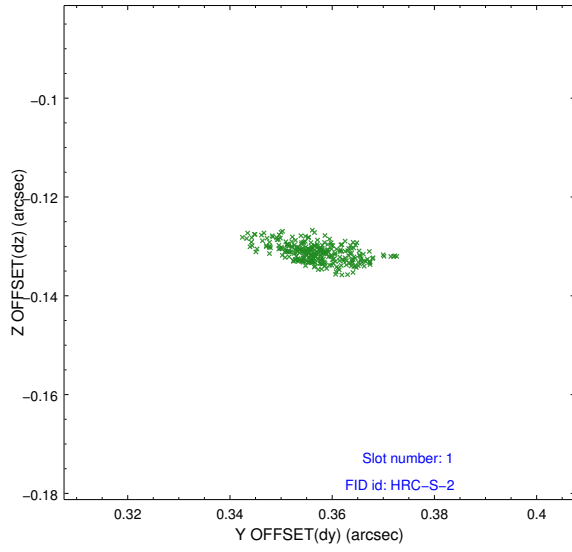


2.5 FID Slots

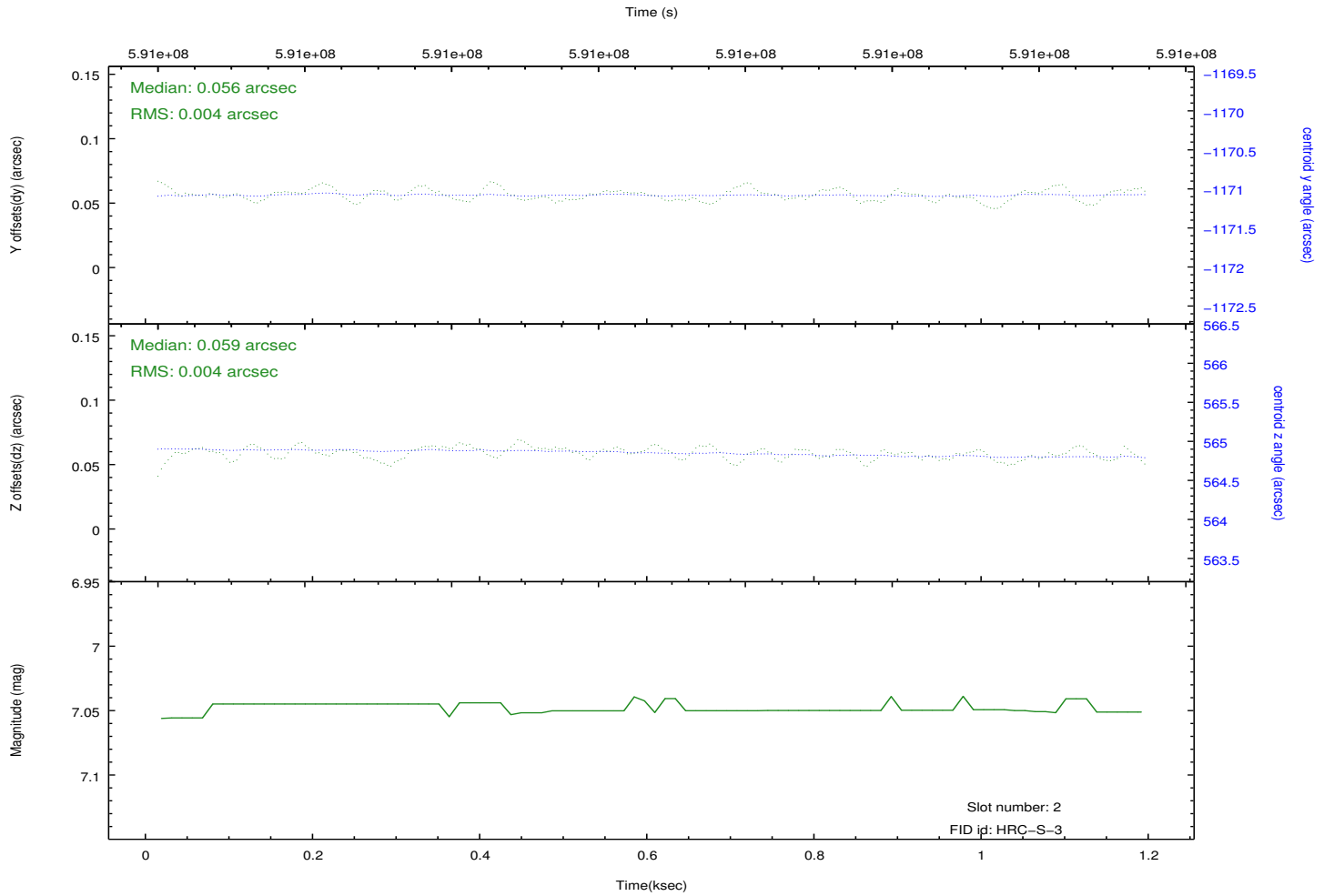
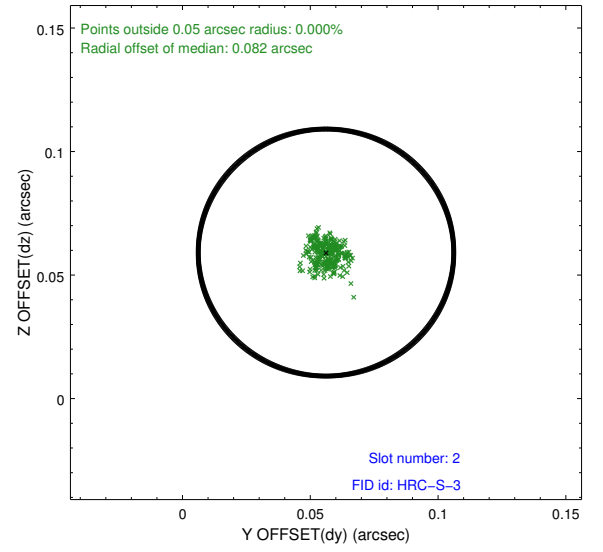
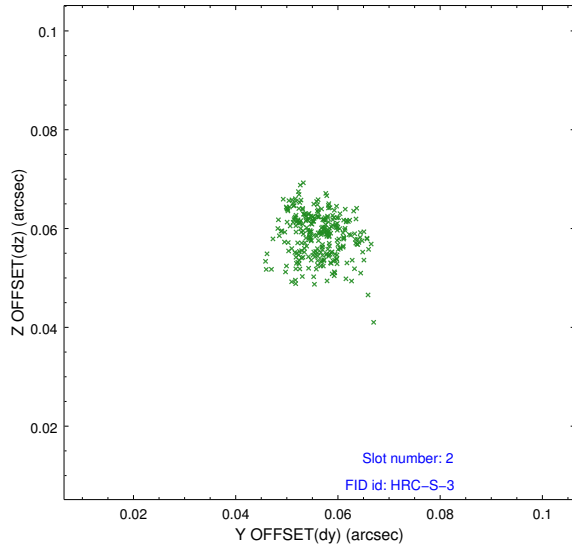
2.5.1 Slot 0



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)	2016.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1800313179493

A.2 Comments