

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10610 - L2 Version 3
Chandra X-Ray Center

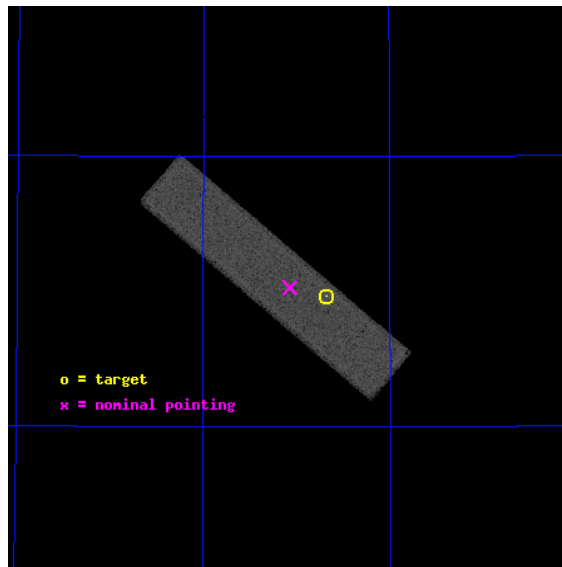
L2 Processing Date : Aug 13 2012

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1 Front

seq_num	290846	Sequence number
obs_id	10610	Observation id
title	AO-10 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	332.26812943403	Nominal RA [deg]
dec_nom	45.757562032997	Nominal Dec [deg]
roll_nom	220.14601221913	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1177.9813092351	[s]
livetime	1166.553280857	Ontime multiplied by DTCOR
l2events	82152	Number of level 2 events

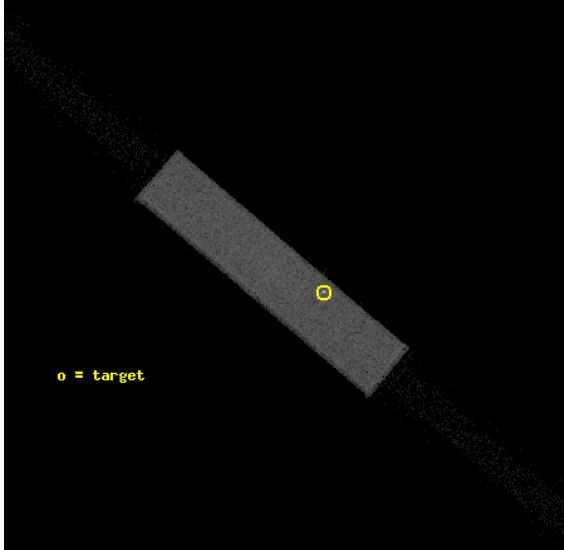


2 OBI

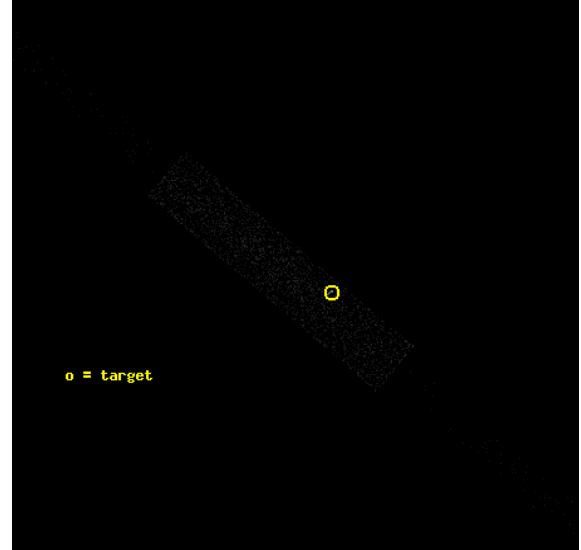
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1177.9813092351	[s]
caldbver	4.5.1.1	 	l1events	126167	Number of level 1 events
date	2012-08-13T16:46:07	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

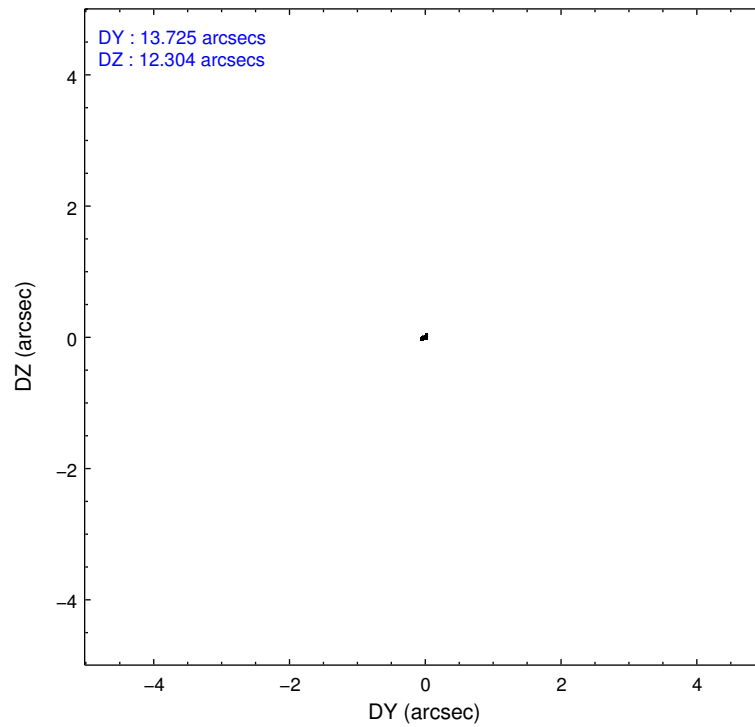
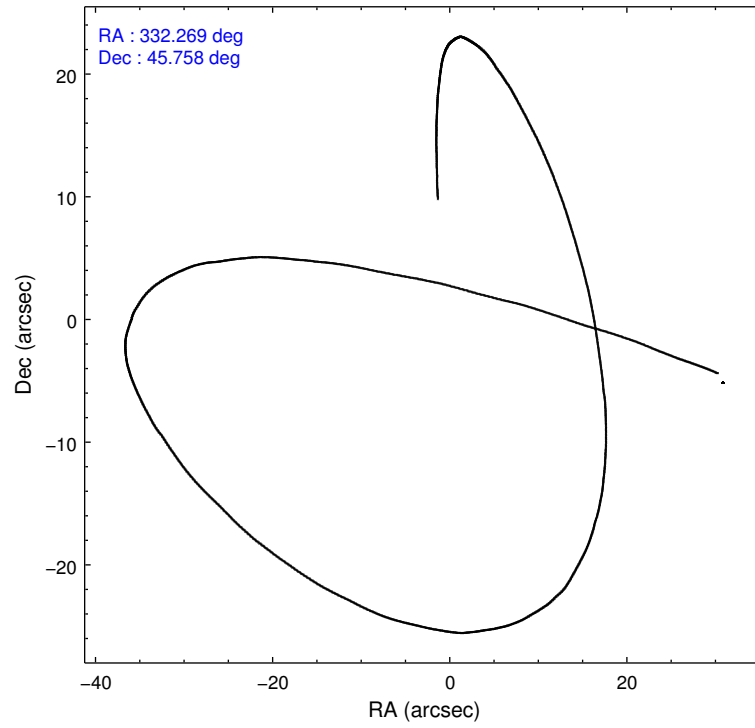
	segment 1	segment 2	segment 3
level 1 events	1083	124062	1022
rejected events	1083	26162	1022
rejected %	100%	21%	100%

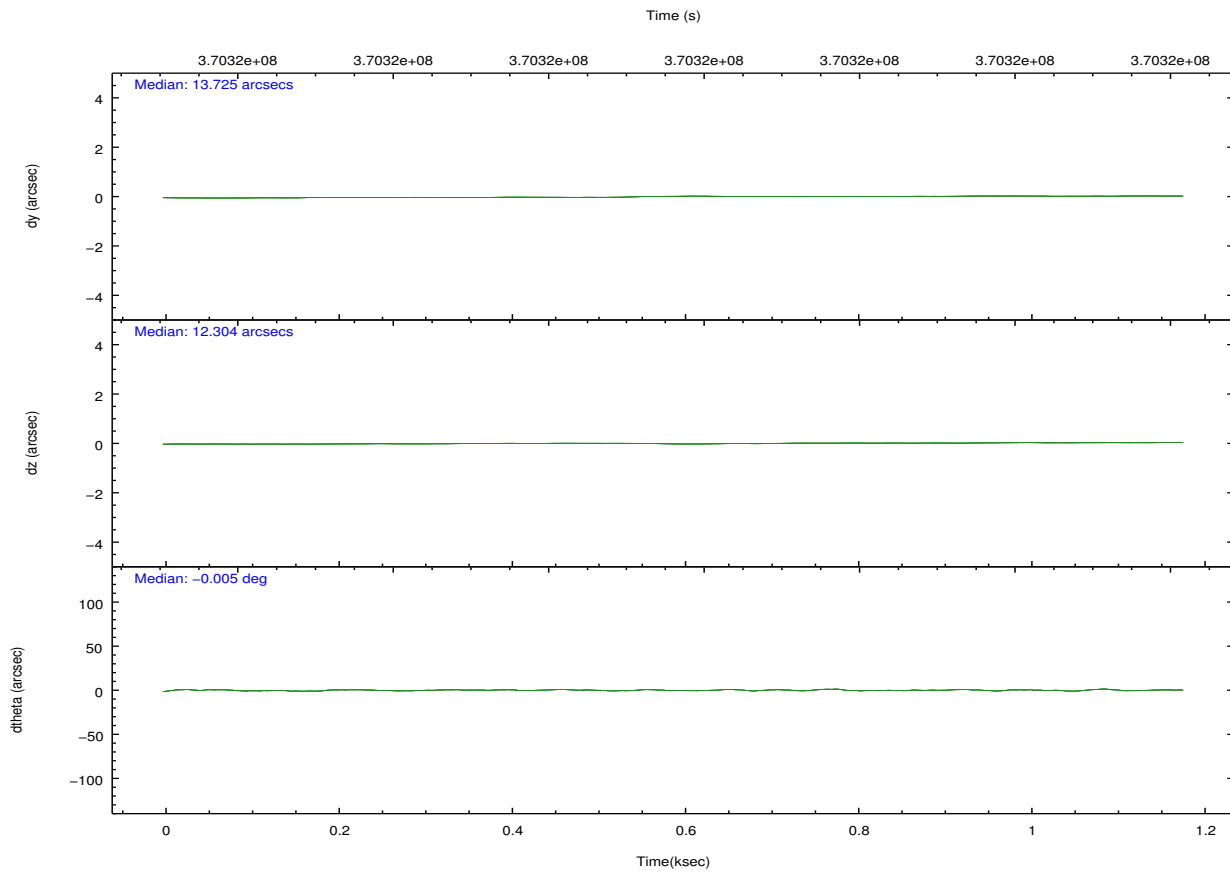
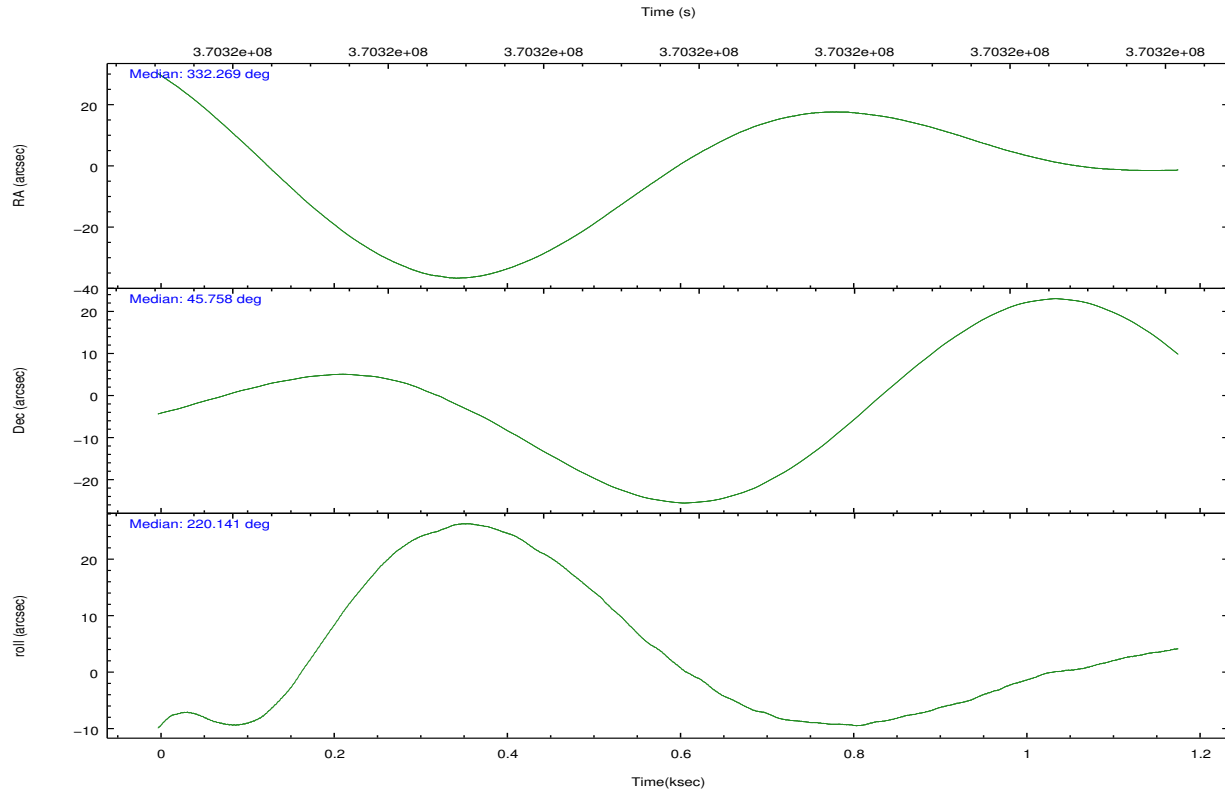
2.2 Compared Parameters

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	332.280602	332.2681294340304
[deg] Pointing Dec	45.784195	45.75756203299674
[deg] Pointing Roll	220.069691	220.1460122191274
[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)	370319343.184000	370318967.51466
Observation start date	2009-09-26T02:27:57	2009-09-26T02:22:47
[s] Observation end time (MET)	370320343.184000	370320477.33974
Observation end date	2009-09-26T02:44:37	2009-09-26T02:47:57

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

2.3 Aspect



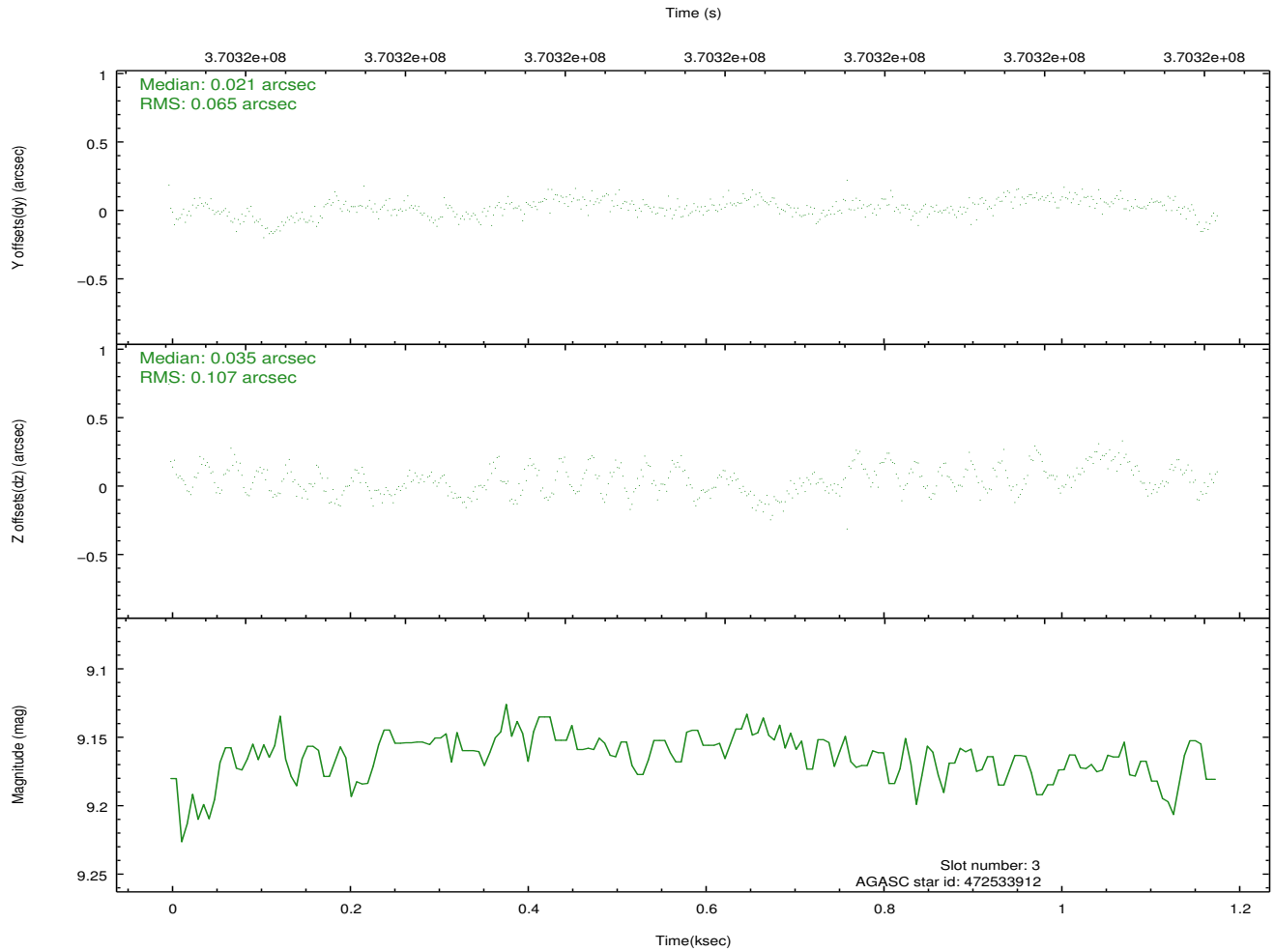
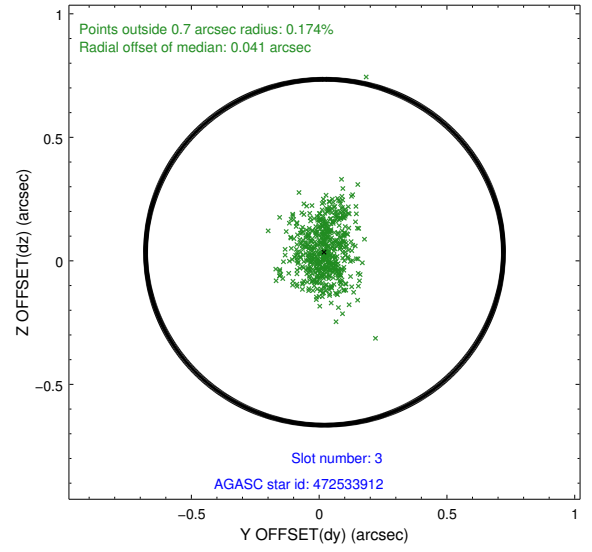
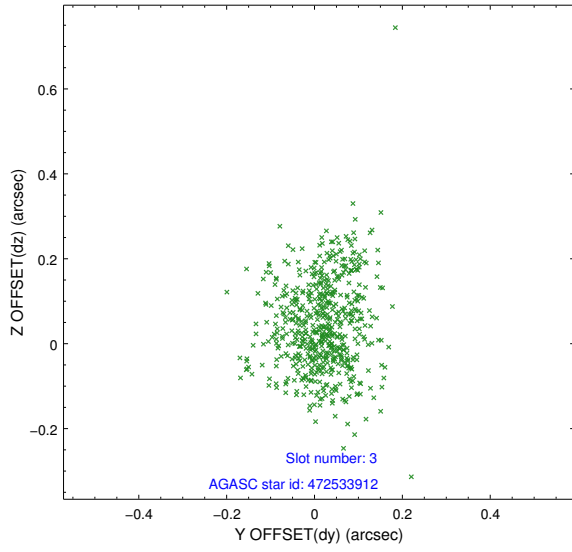


Slot Statistics

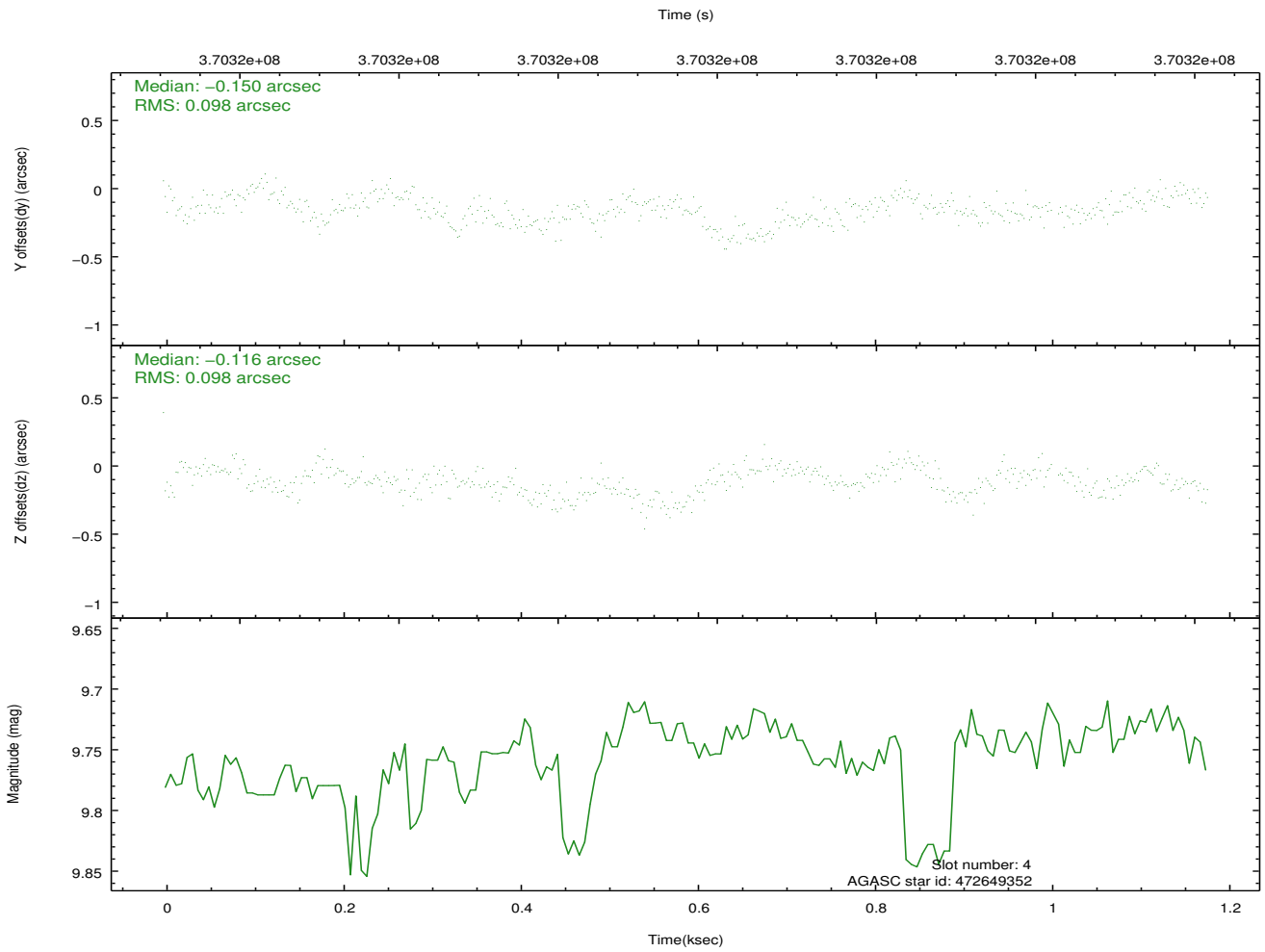
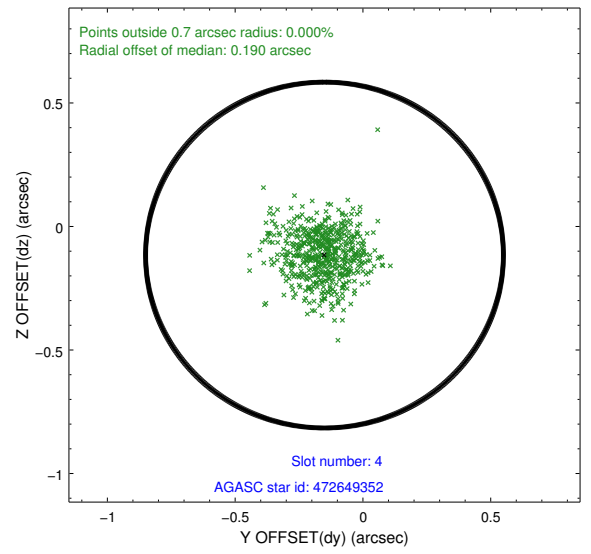
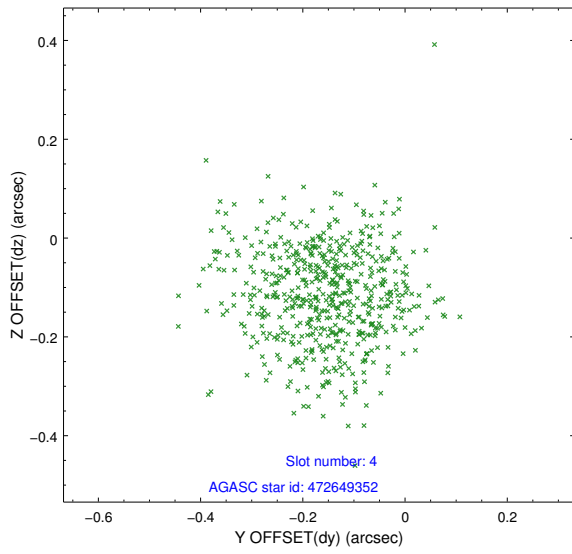
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	288	0.075	-0.126	0.007	0.012	0.000000	0.000000	-1168.07	-461.07
1	FID	HRC-S-2	6.97	288	0.211	-0.112	0.006	0.012	0.000000	0.000000	1227.67	-455.24
2	FID	HRC-S-3	6.99	288	0.103	-0.064	0.006	0.011	0.000000	0.000000	-1166.52	566.93
3	GUIDE	472533912	9.16	575	0.021	0.035	0.131	0.206	331.791136	46.368695	-424.79	-2392.55
4	GUIDE	472649352	9.75	573	-0.150	-0.116	0.147	0.235	332.034169	45.325407	1540.30	860.72
5	GUIDE	472654568	9.41	576	0.018	0.103	0.101	0.162	332.194449	45.063576	1841.58	1849.22
6	GUIDE	472655152	9.42	575	0.028	-0.163	0.121	0.194	332.504239	45.862991	-607.44	149.66
7	GUIDE	472665256	9.03	572	0.086	0.133	0.087	0.136	332.808125	46.195041	-1960.28	-285.53

2.4 Star Slots

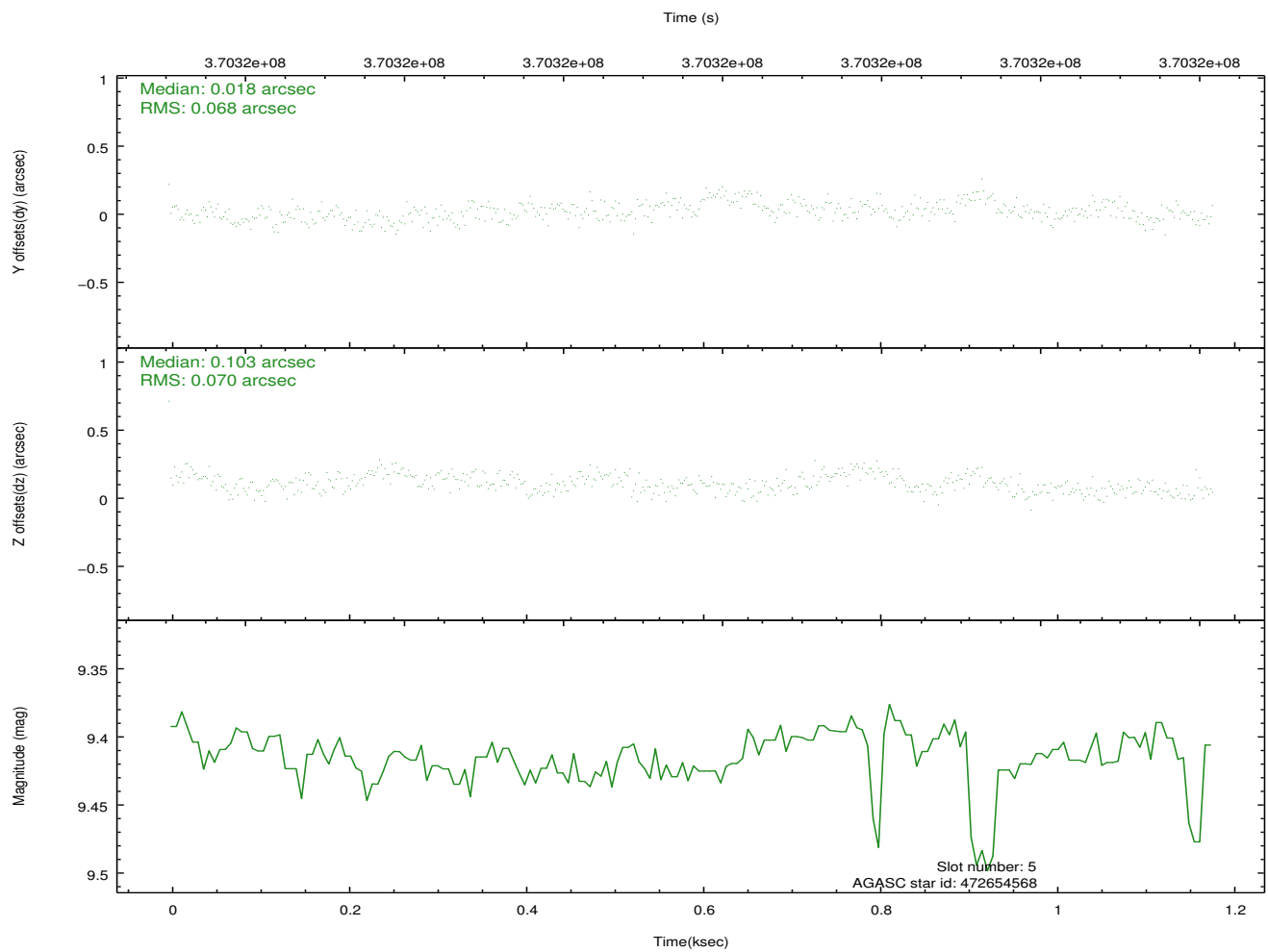
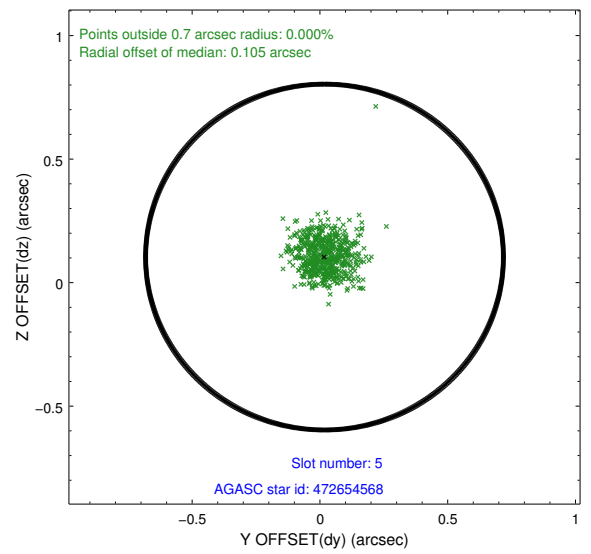
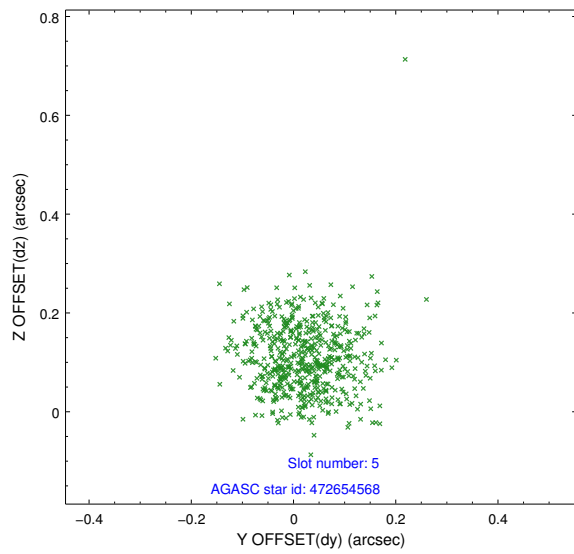
2.4.1 Slot 3



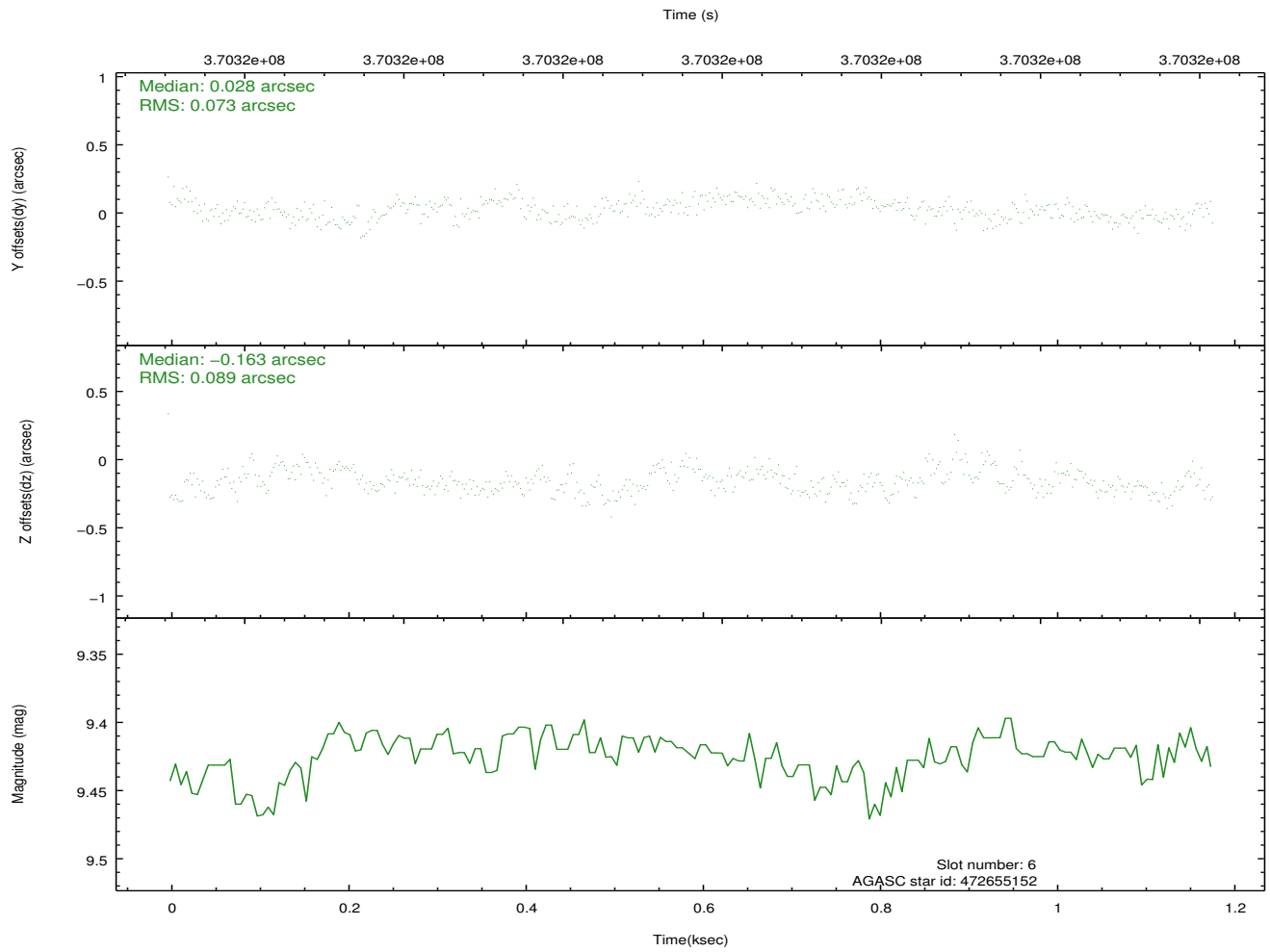
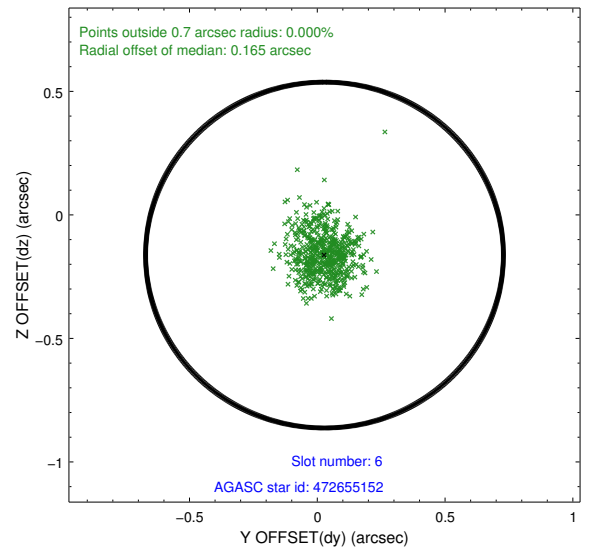
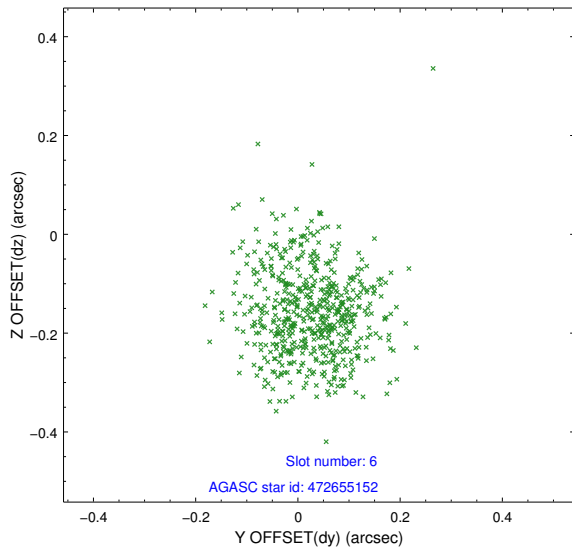
2.4.2 Slot 4



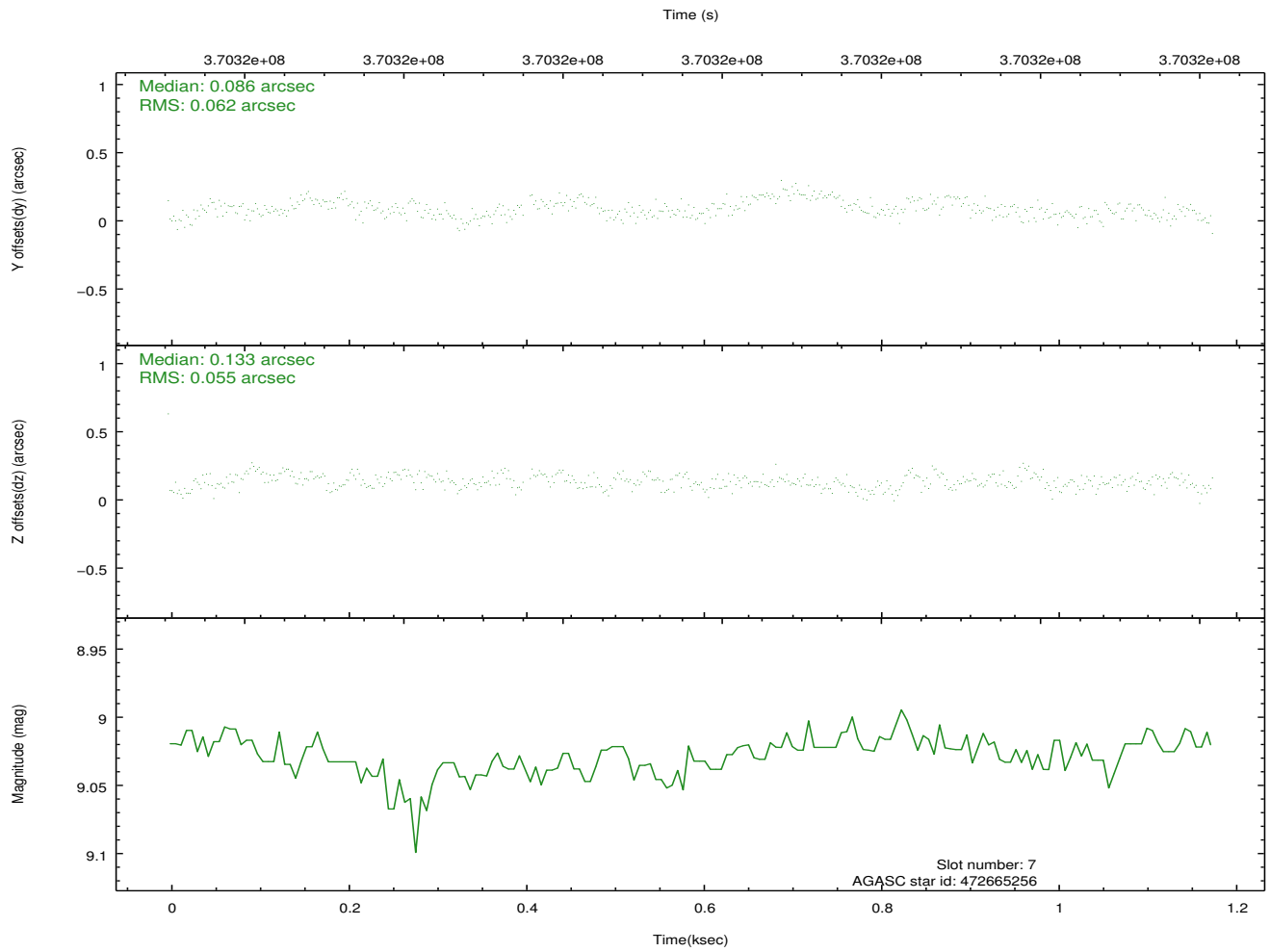
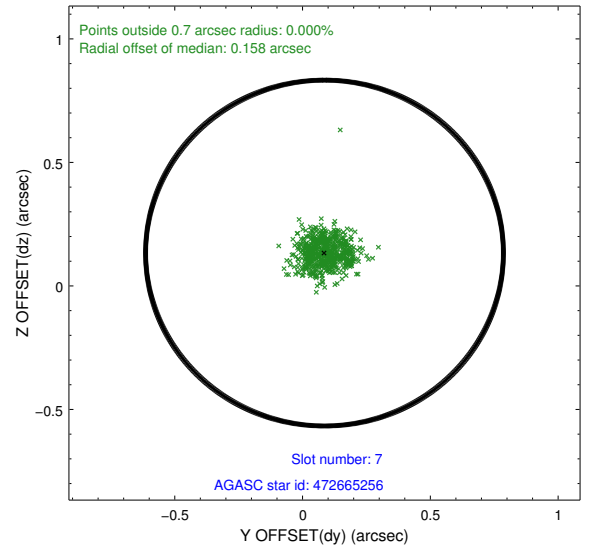
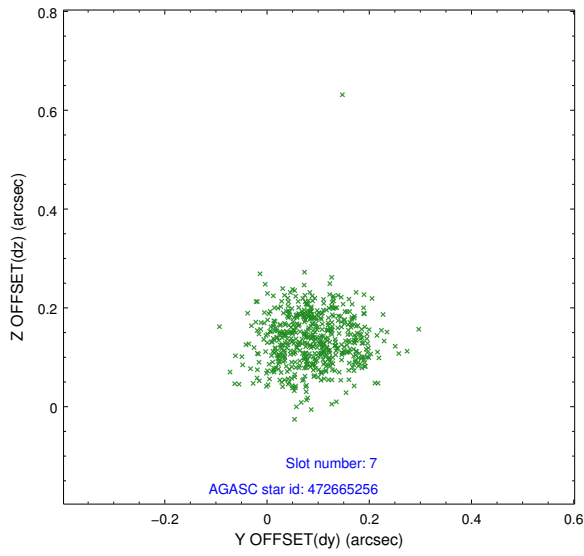
2.4.3 Slot 5



2.4.4 Slot 6

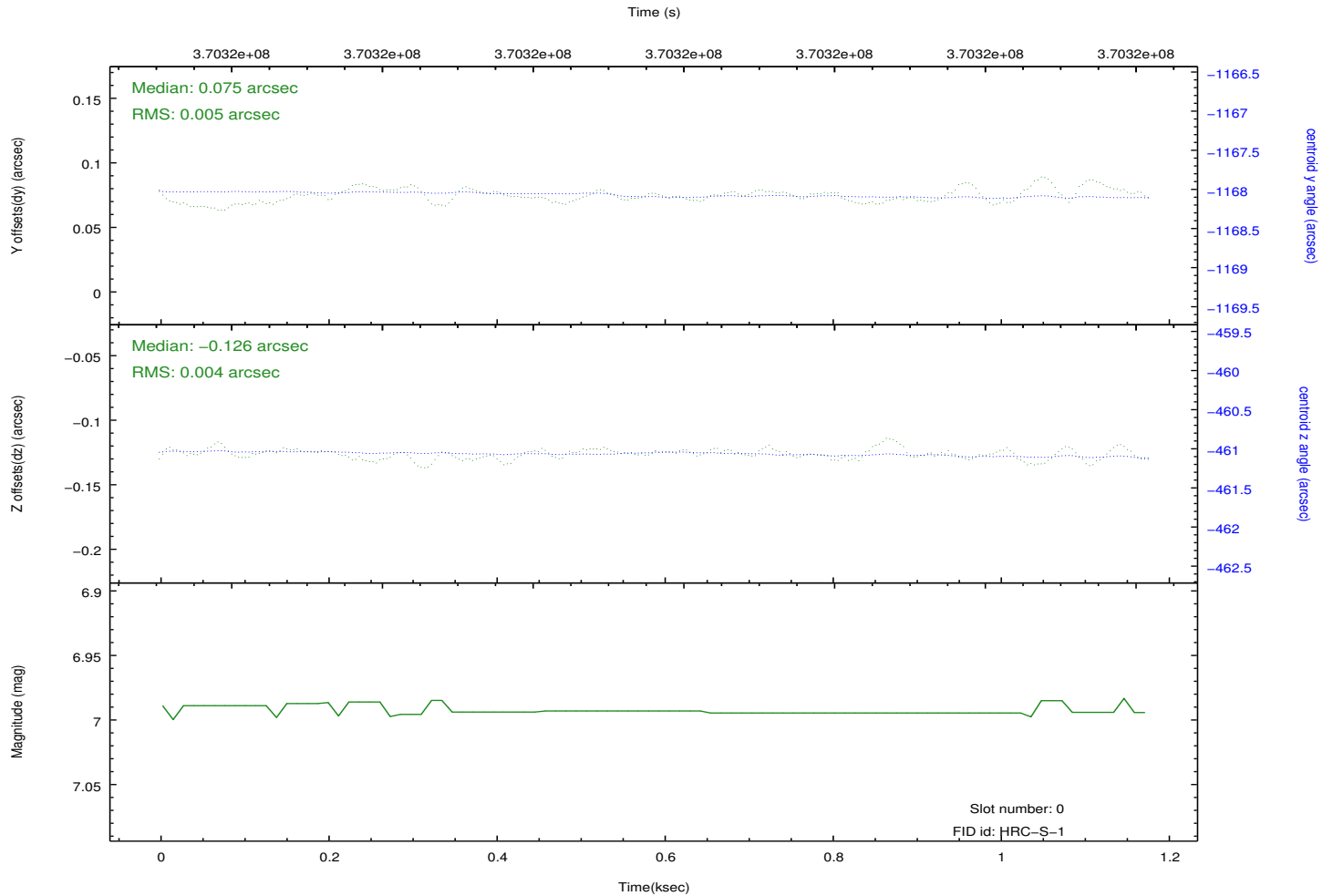
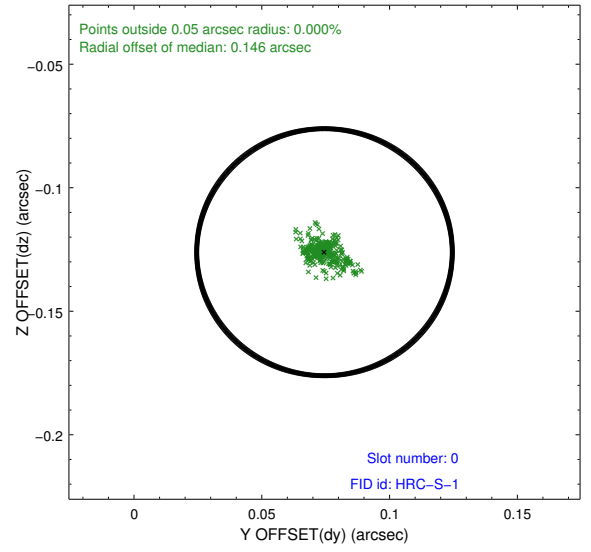
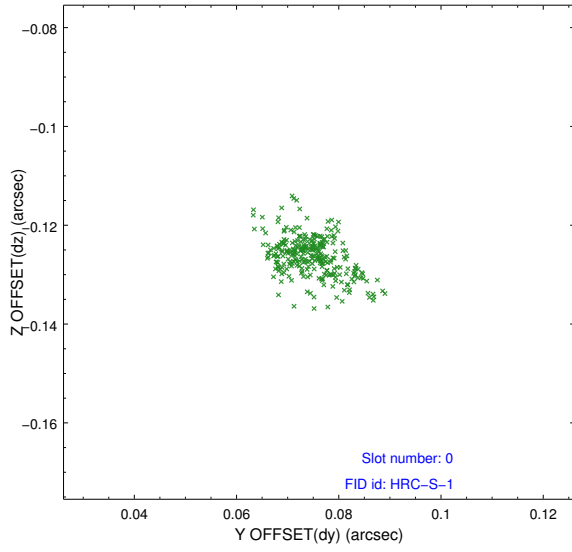


2.4.5 Slot 7

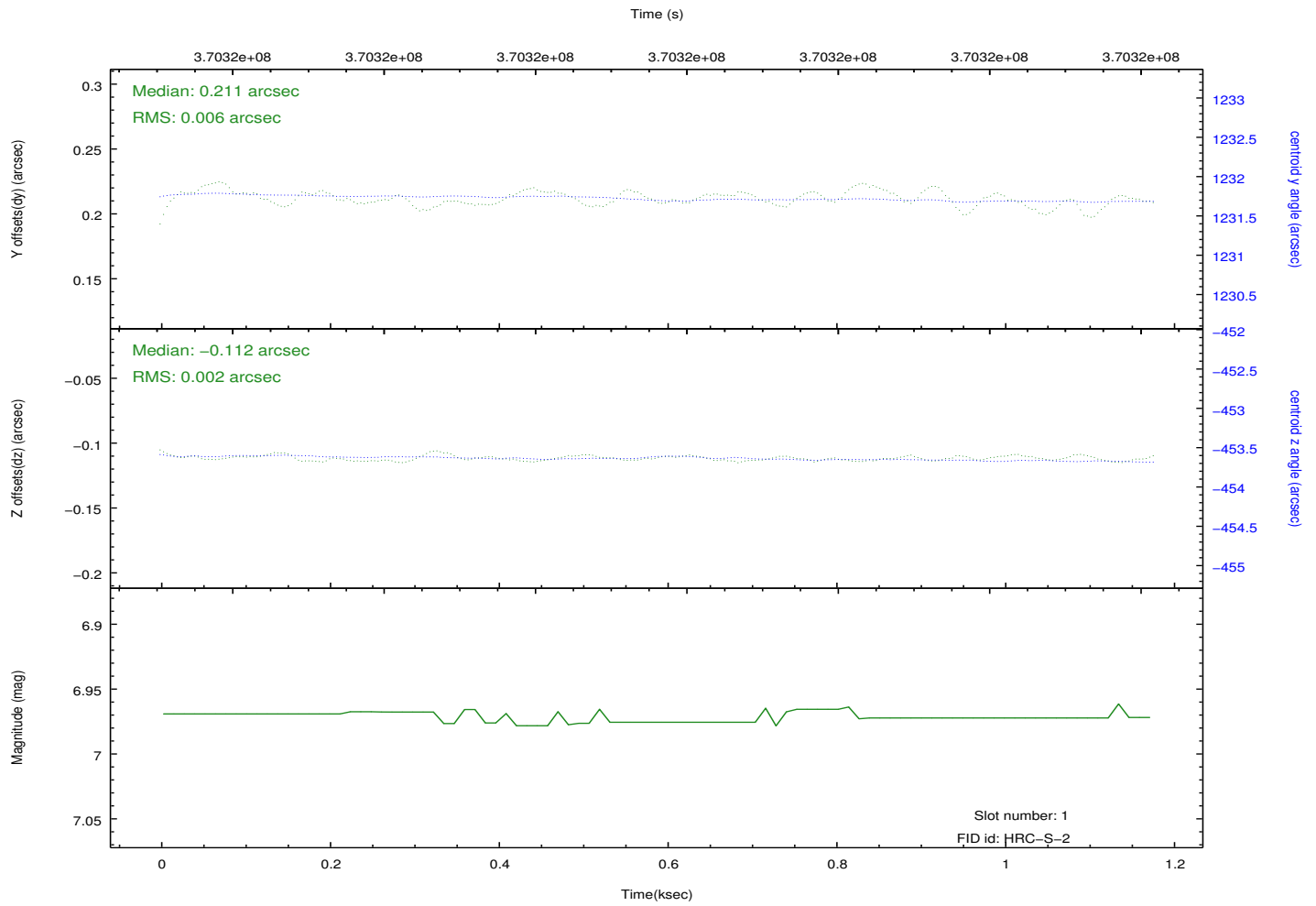
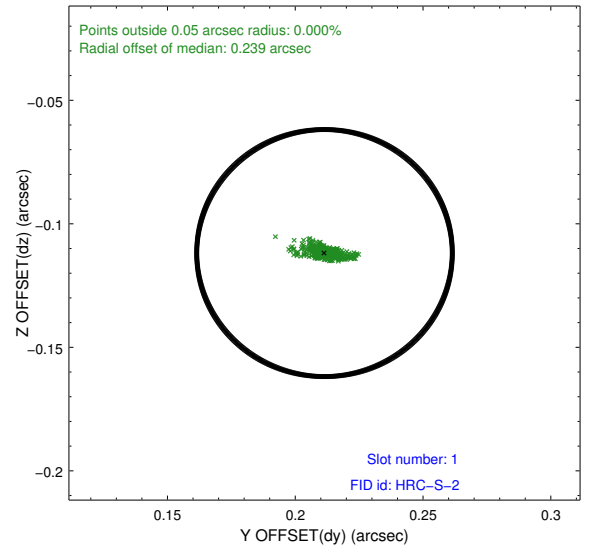
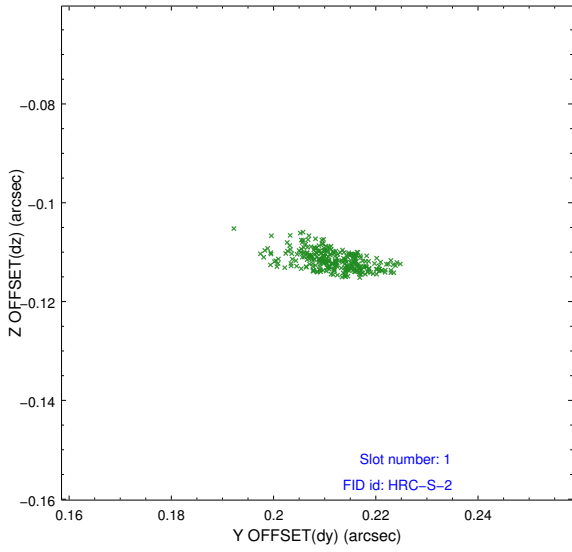


2.5 FID Slots

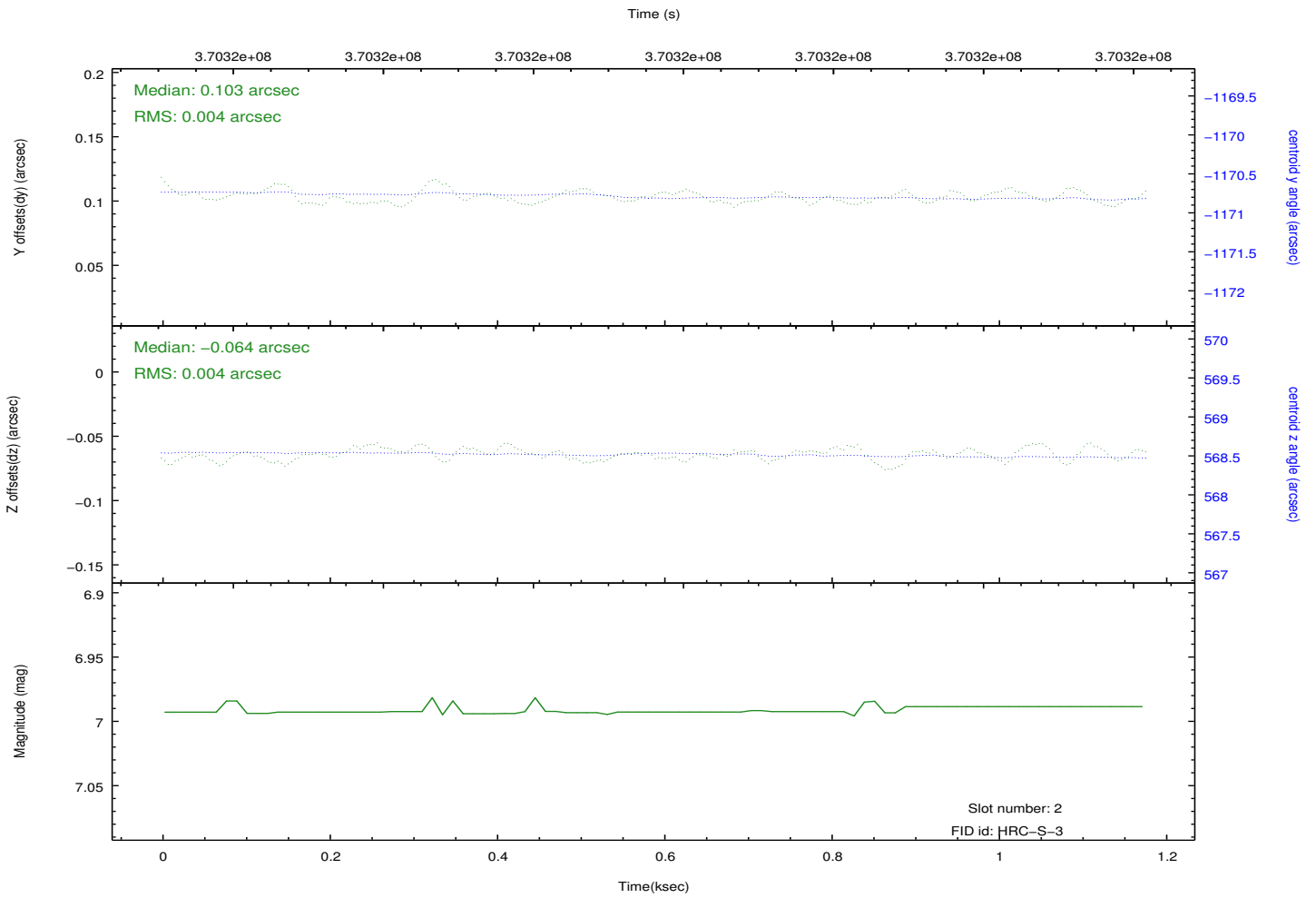
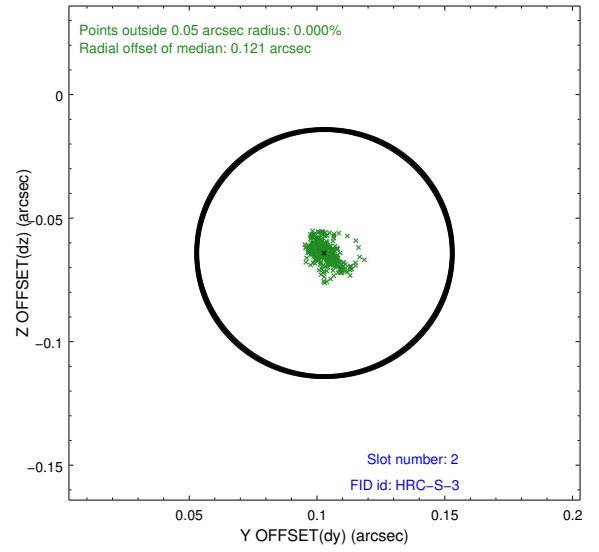
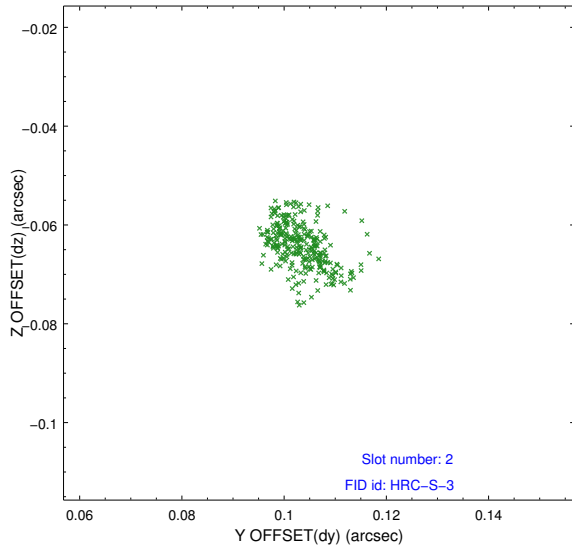
2.5.1 Slot 0



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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1779813089967

A.2 Comments