

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17343 - L2 Version 1
Chandra X-Ray Center

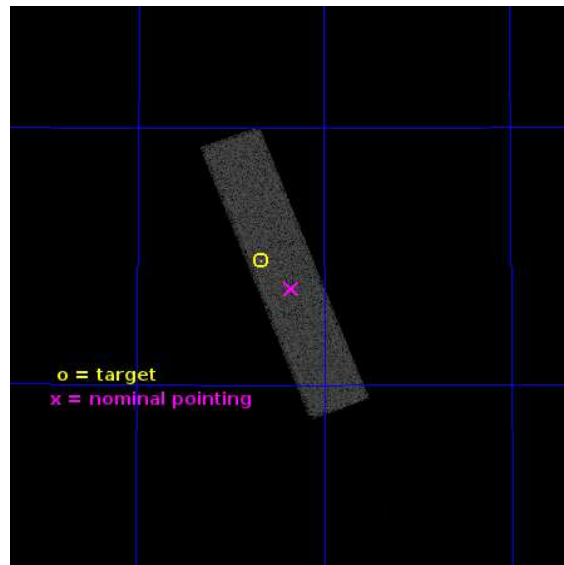
L2 Processing Date : Oct 20 2015

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1 Front

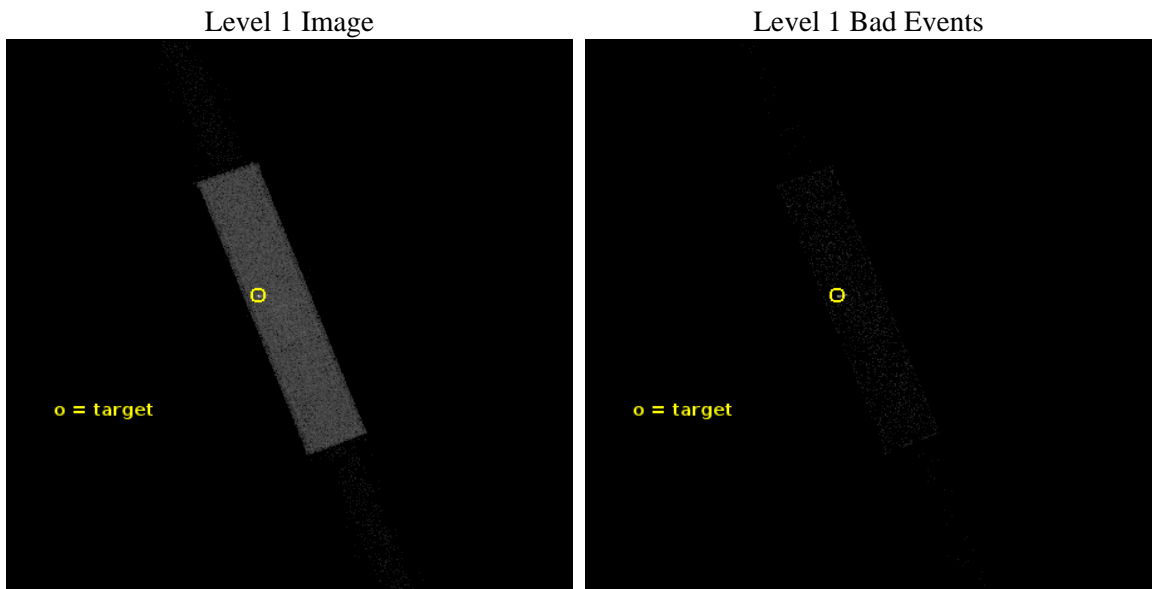
seq_num	291216	Sequence number
obs_id	17343	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.08709378167	Nominal RA [deg]
dec_nom	45.687899955989	Nominal Dec [deg]
roll_nom	248.65801495016	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1157.2250654697	[s]
livetime	1149.7917125056	Ontime multiplied by DTCOR
l2events	56587	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	1157.2250654697	[s]
caldsver	4.6.10a	 	l1events	86315	Number of level 1 events
date	2015-10-20T22:46:15	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

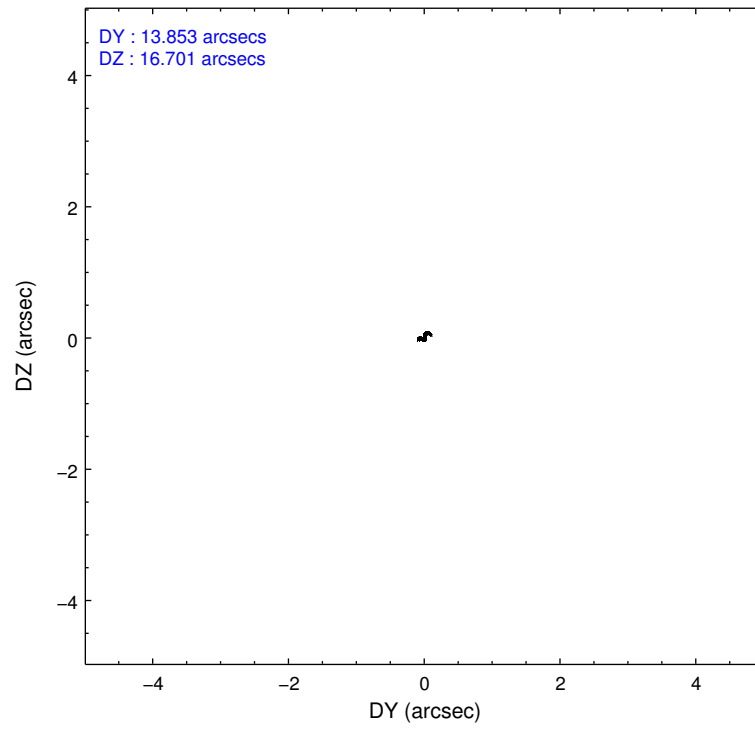
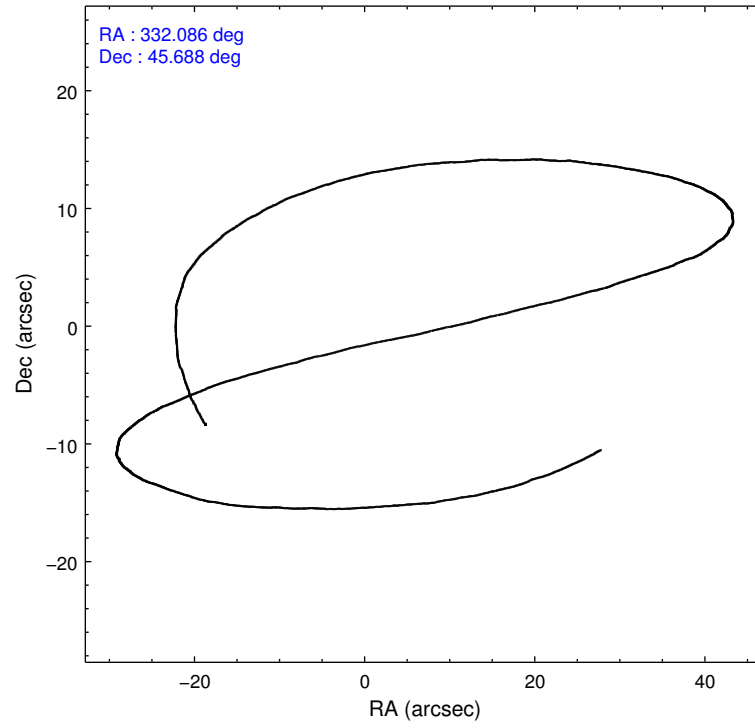
	segment 1	segment 2	segment 3
level 1 events	764	84818	733
rejected events	764	18745	728
rejected %	100%	22%	99%

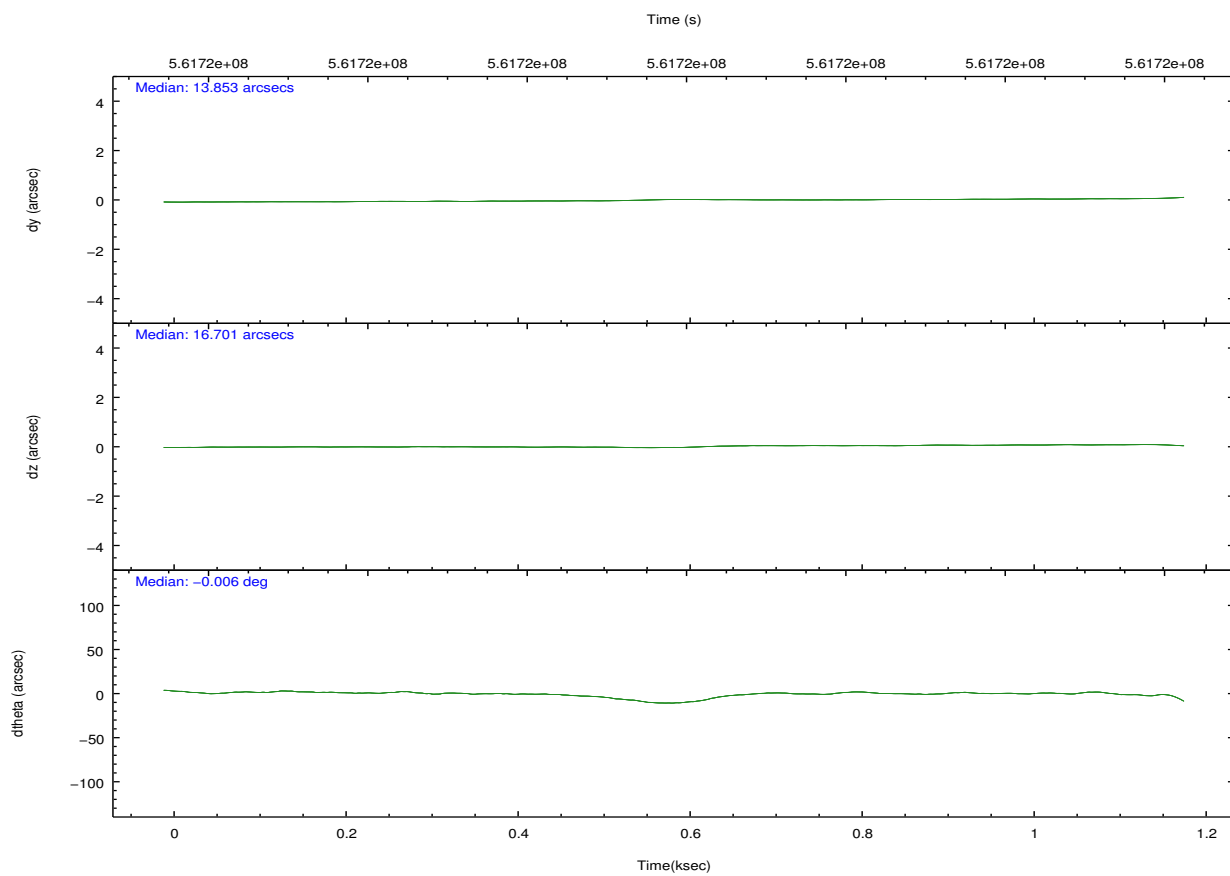
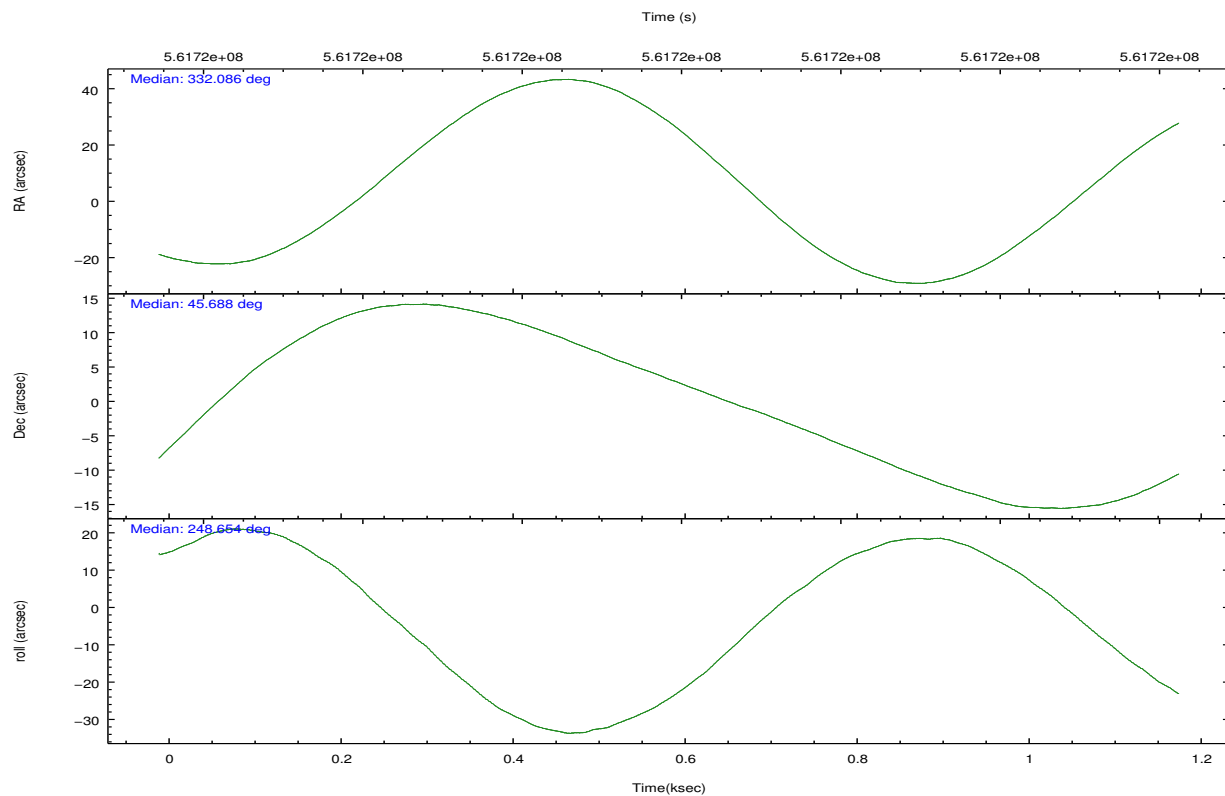
2.2 Compared Parameters

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	332.079872	332.0870937816717
[deg] Pointing Dec	45.716154	45.68789995598915
[deg] Pointing Roll	248.595805	248.6580149501562
[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)	561716783.184000	561716406.93426
Observation start date	2015-10-20T08:25:15	2015-10-20T08:20:06
[s] Observation end time (MET)	561717783.184000	561717916.75934
Observation end date	2015-10-20T08:41:55	2015-10-20T08:45:16

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

2.3 Aspect



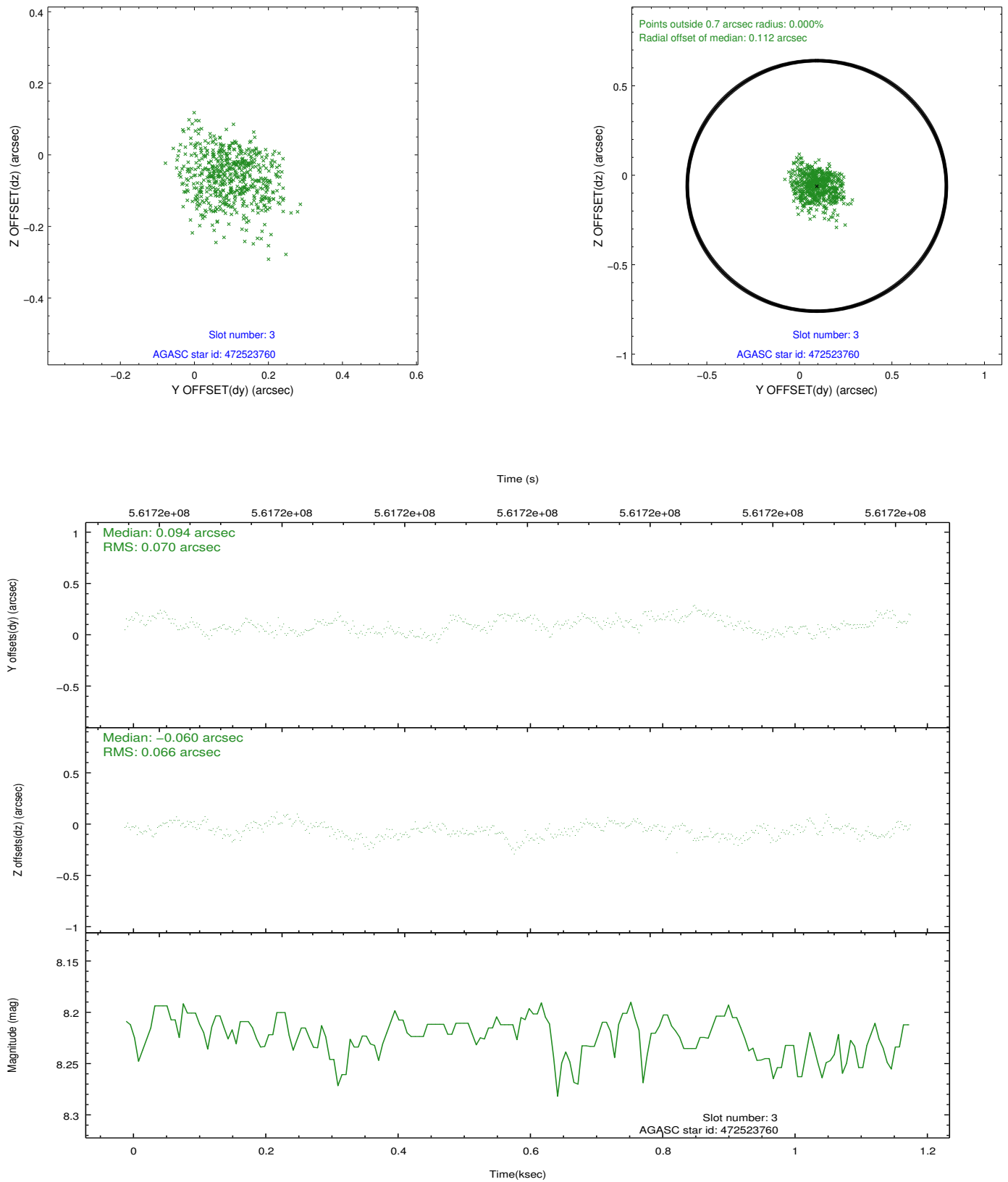


Slot Statistics

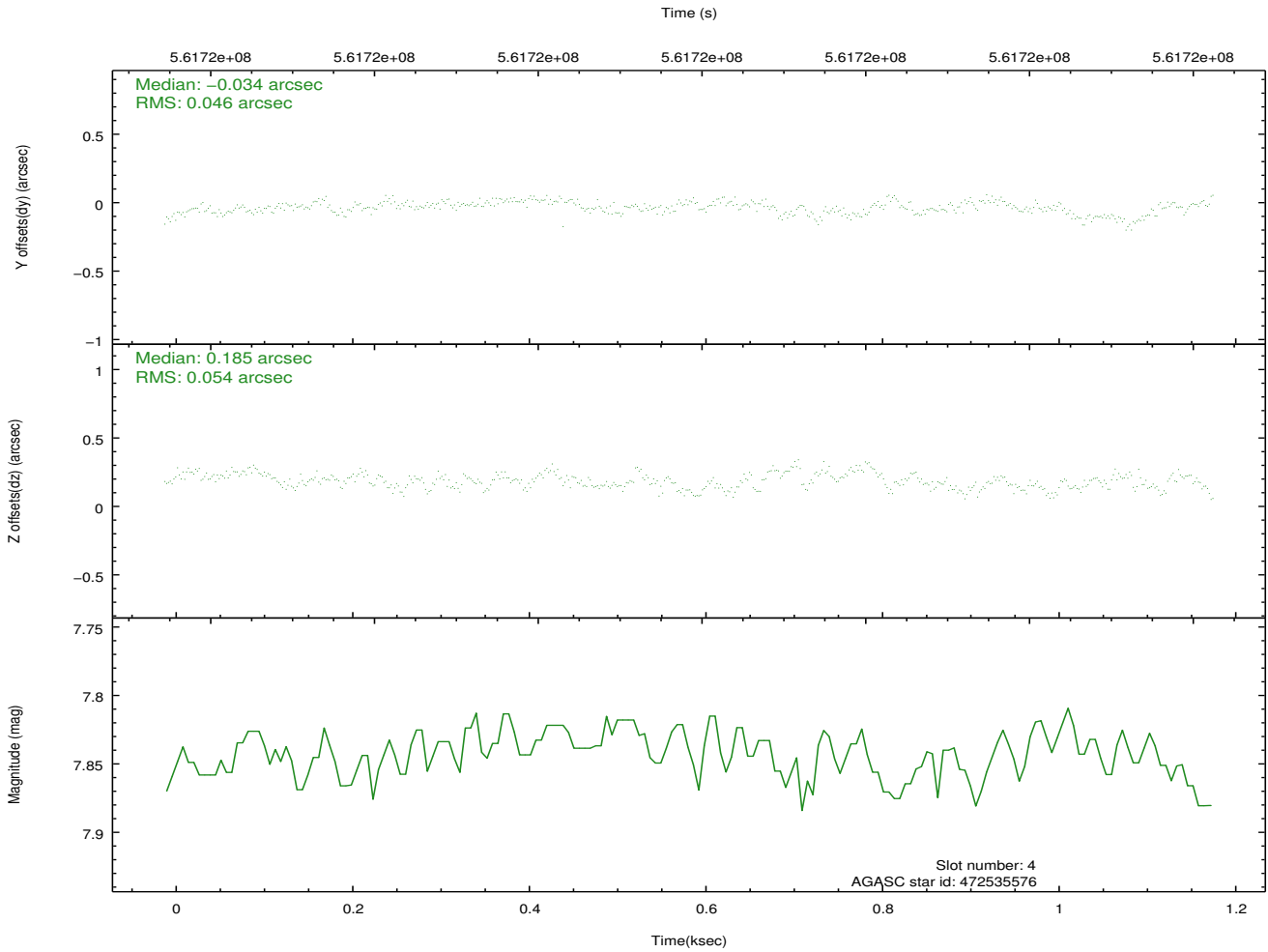
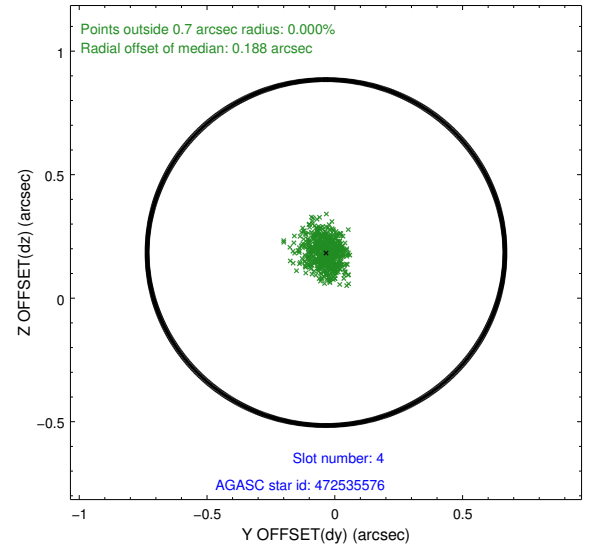
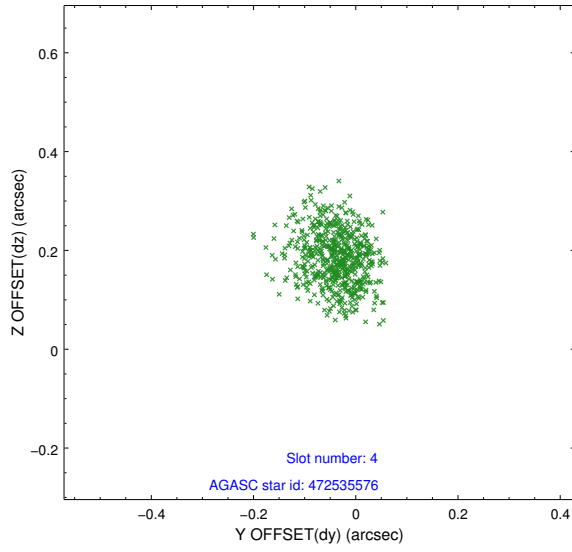
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.03	290	-0.119	-0.179	0.007	0.018	0.000000	0.000000	-1168.37	-465.69
1	FID		HRC-S-2	7.01	290	0.210	-0.116	0.017	0.108	0.000000	0.000000	1227.59	-459.78
2	FID		HRC-S-4	6.98	290	0.312	-0.009	0.018	0.116	0.000000	0.000000	1234.49	565.09
3	GUIDE	used	472523760	8.22	580	0.094	-0.060	0.105	0.160	331.645363	45.403260	1446.65	-609.91
4	GUIDE	used	472535576	7.84	580	-0.034	0.185	0.075	0.125	331.438373	46.291802	-1350.83	-2242.66
5	GUIDE	used	472536328	8.10	580	0.027	0.213	0.091	0.142	331.496671	46.454831	-1955.48	-2320.28
6	GUIDE	used	472655152	9.39	580	-0.044	-0.084	0.181	0.315	332.504239	45.862991	-886.82	795.23
7	GUIDE	used	472665256	8.98	579	-0.040	-0.239	0.112	0.217	332.808125	46.195041	-2277.16	1061.11

2.4 Star Slots

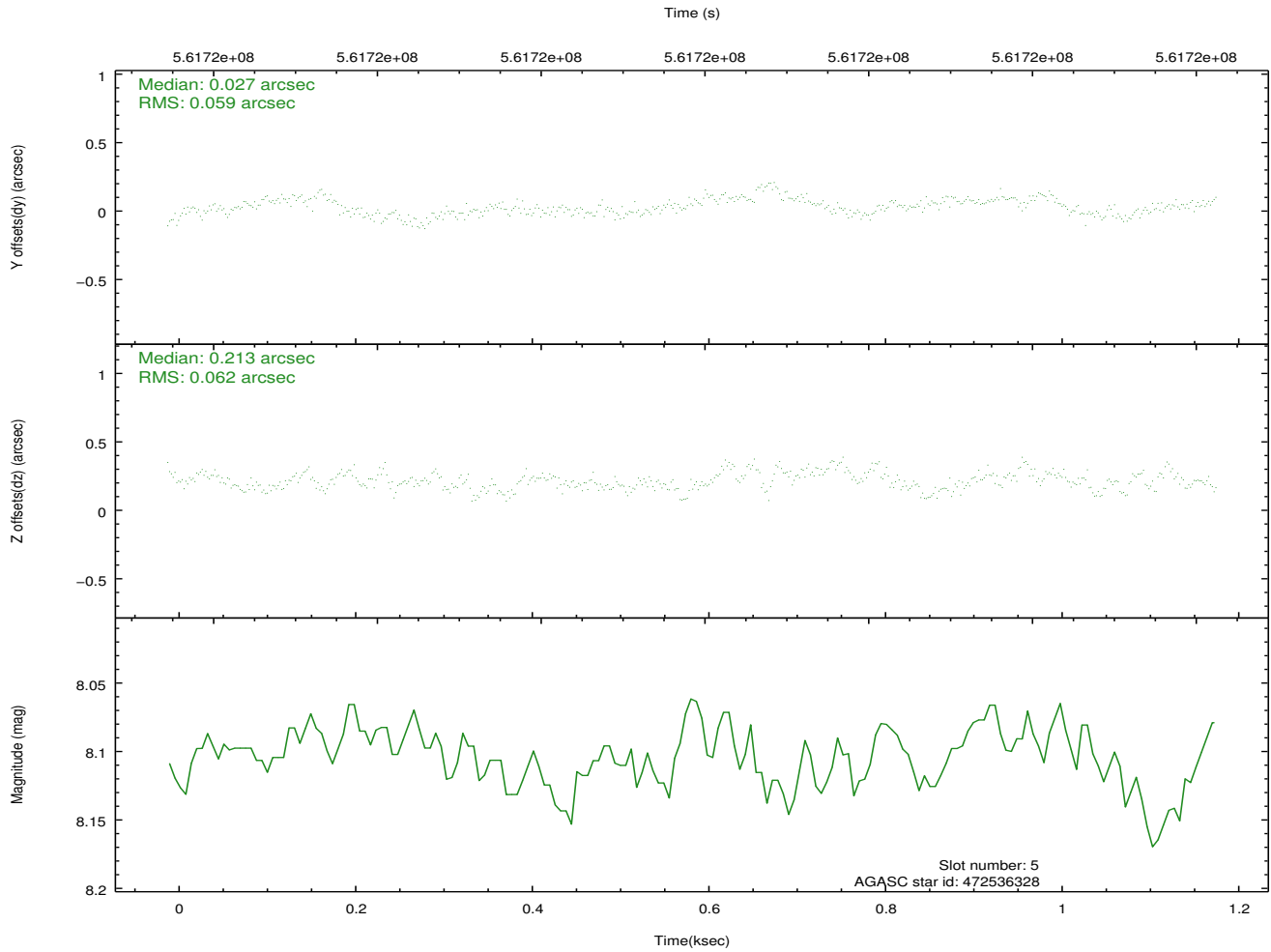
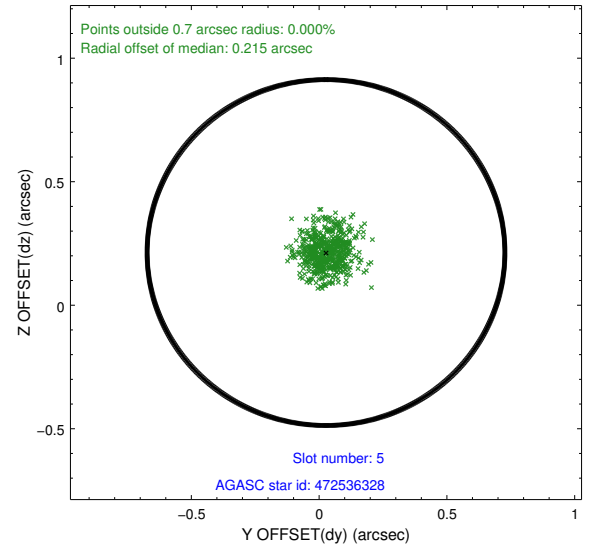
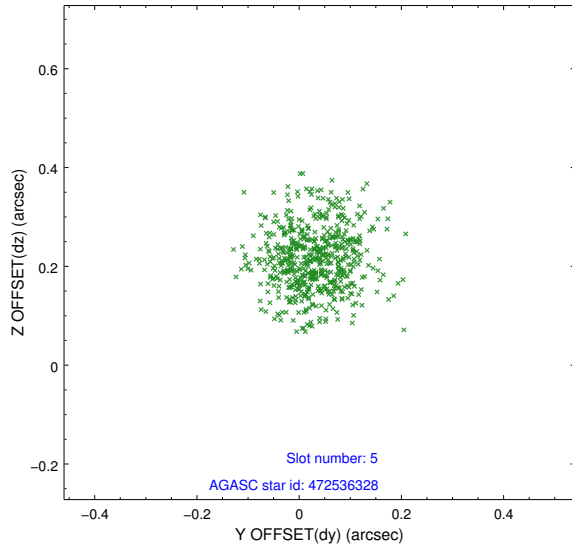
2.4.1 Slot 3



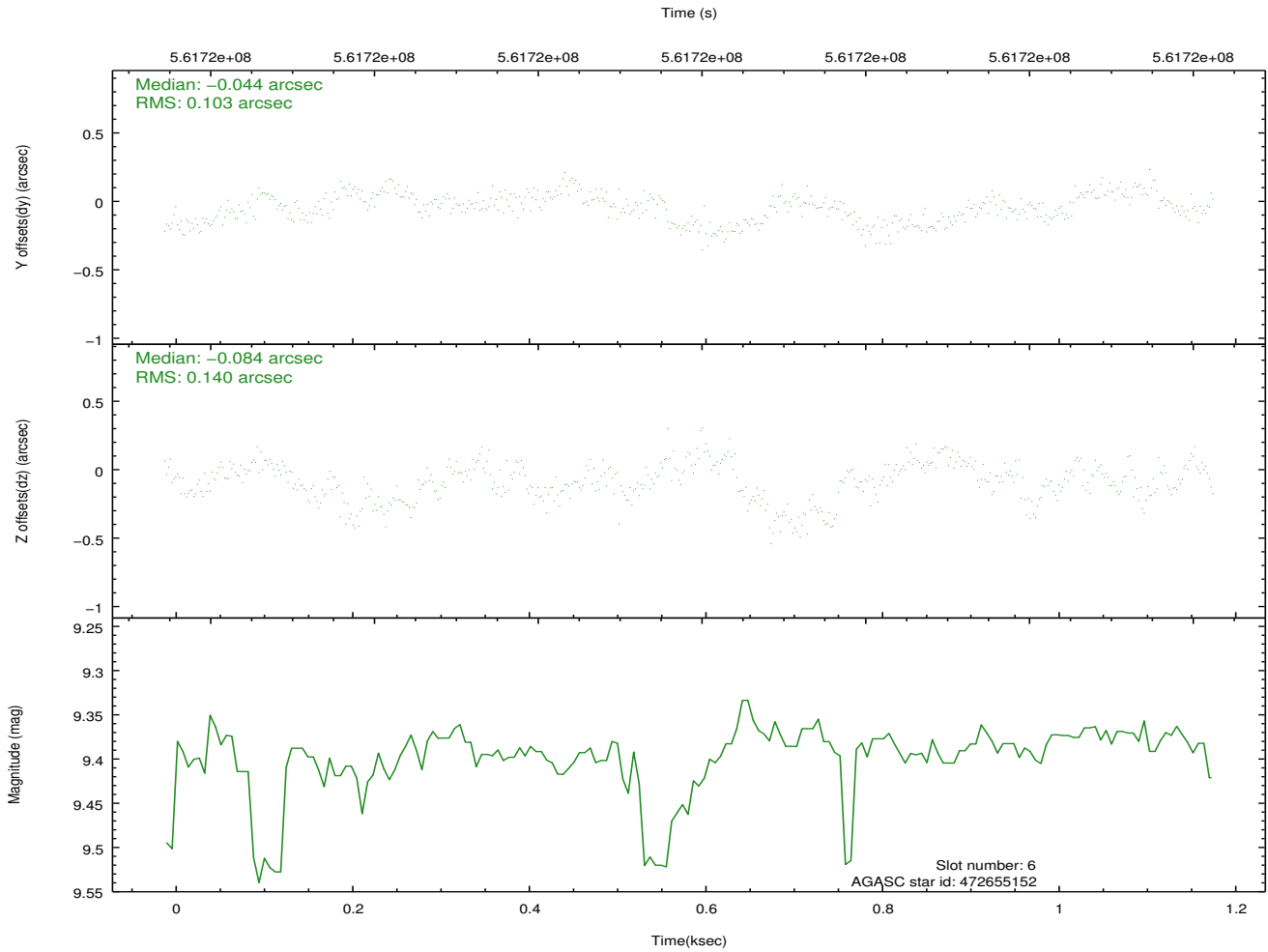
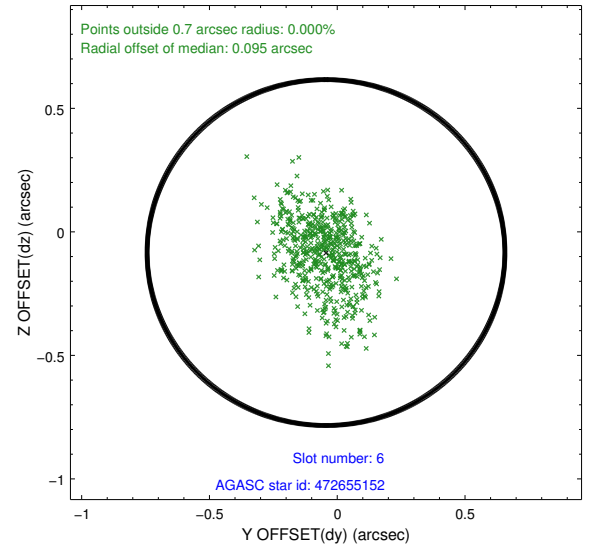
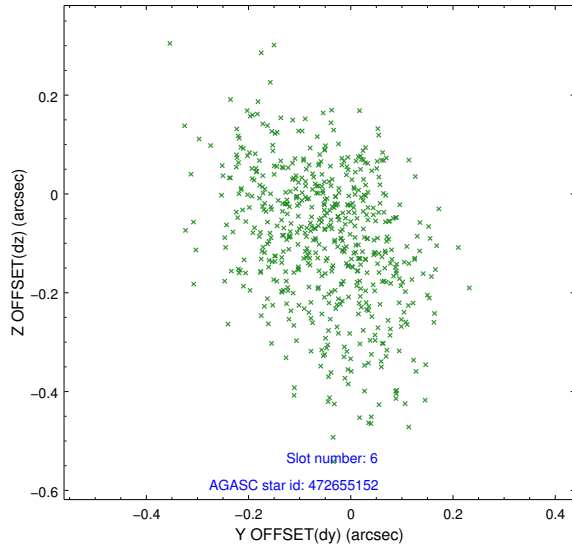
2.4.2 Slot 4



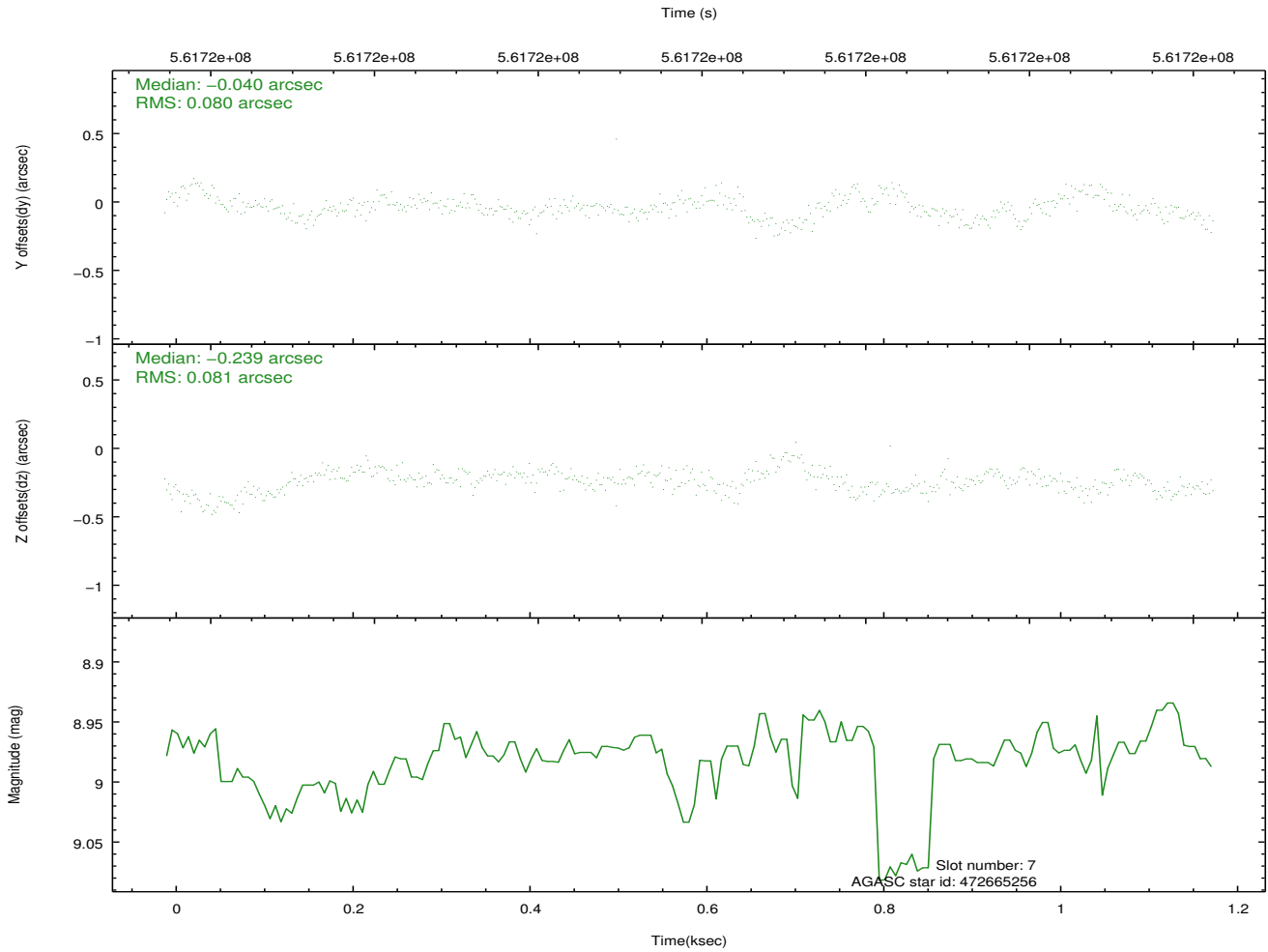
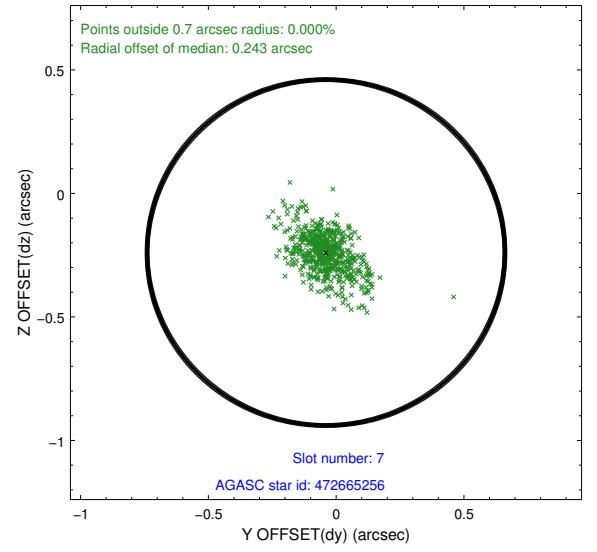
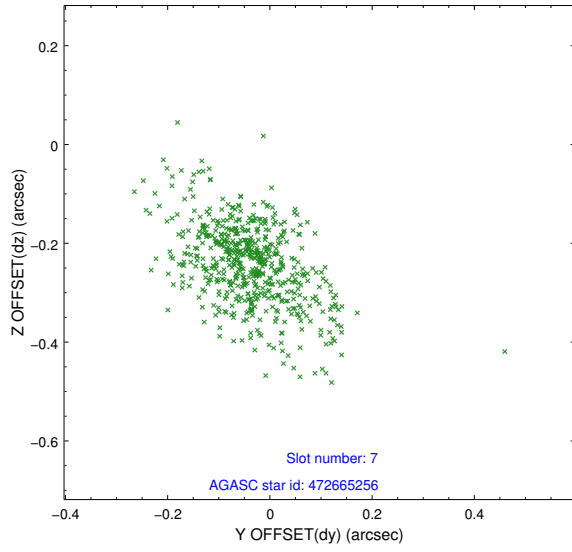
2.4.3 Slot 5



2.4.4 Slot 6

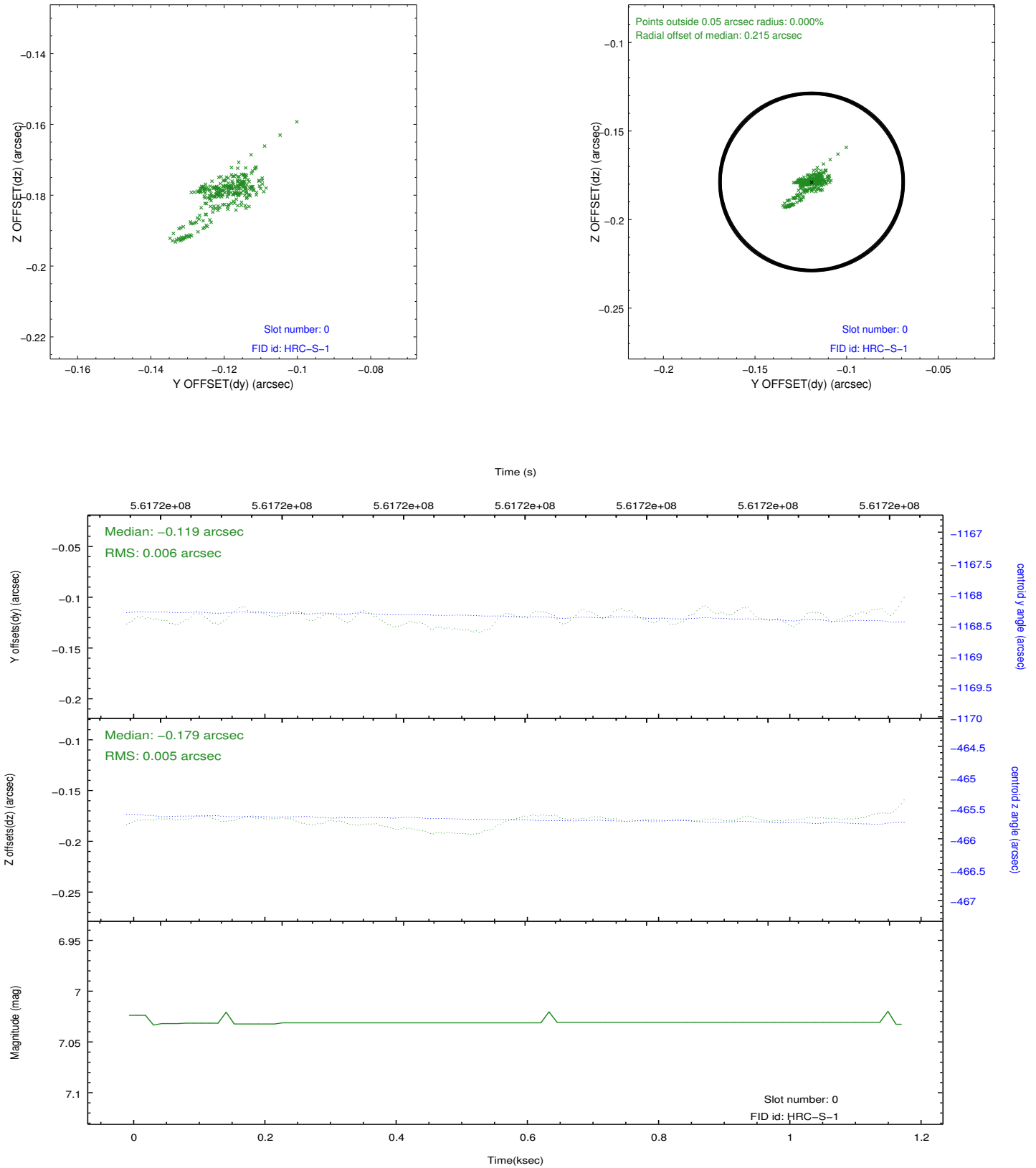


2.4.5 Slot 7

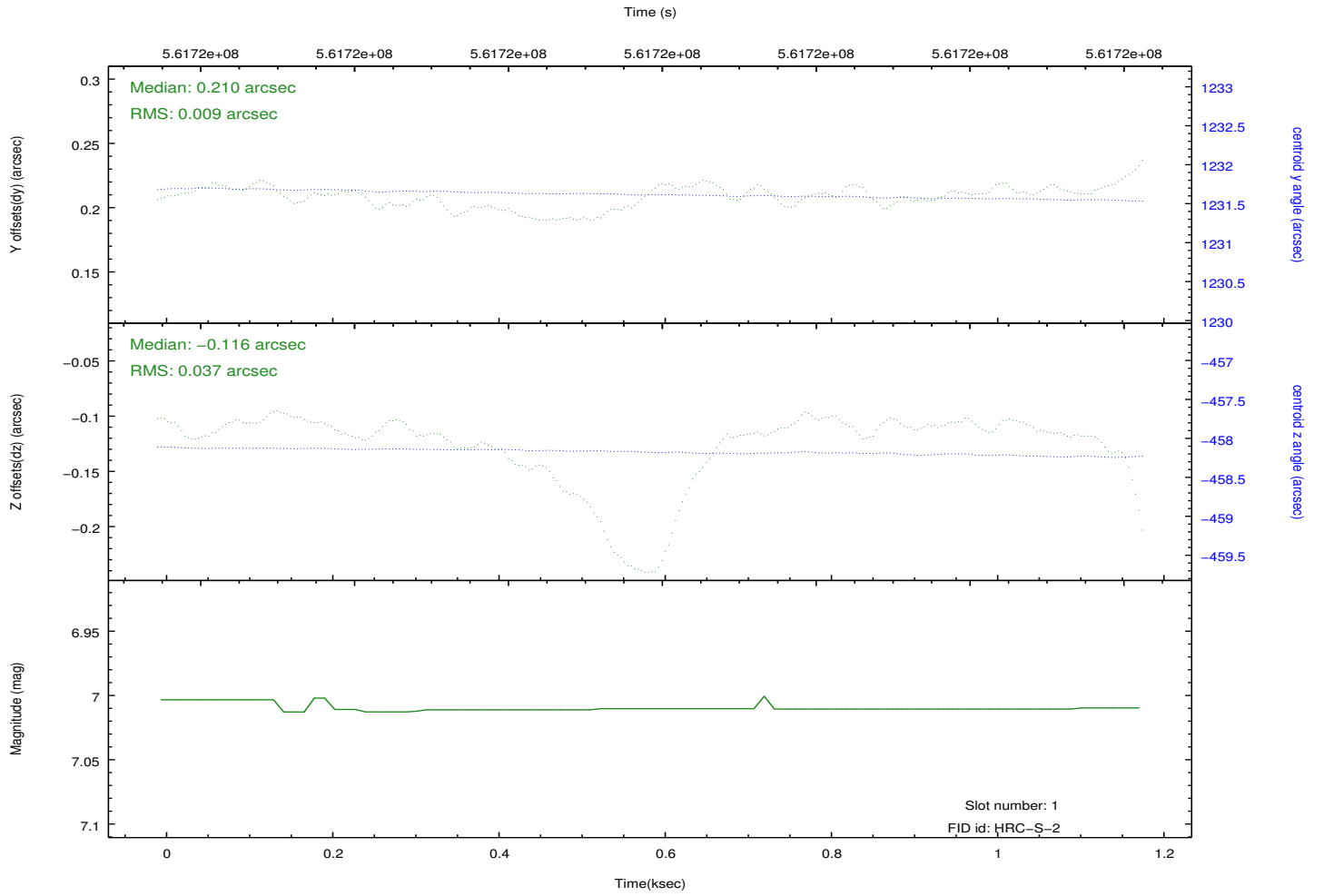
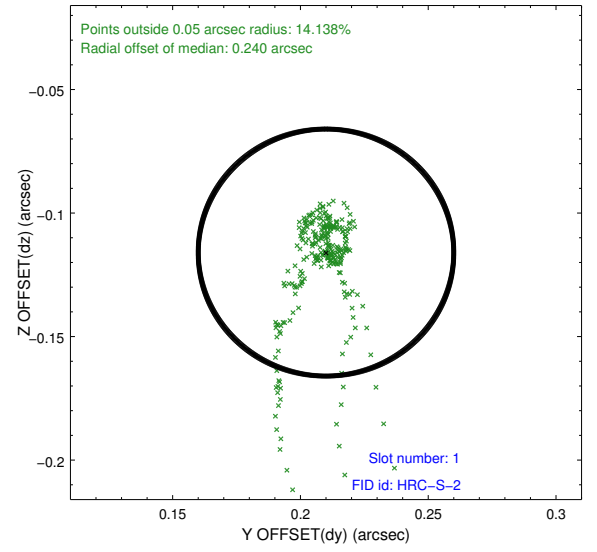
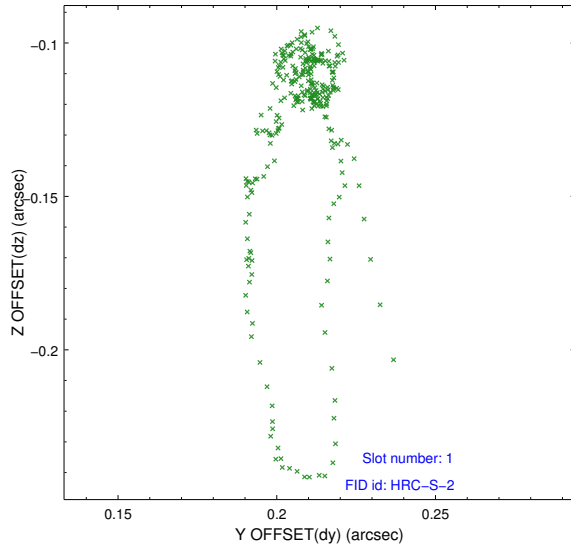


2.5 FID Slots

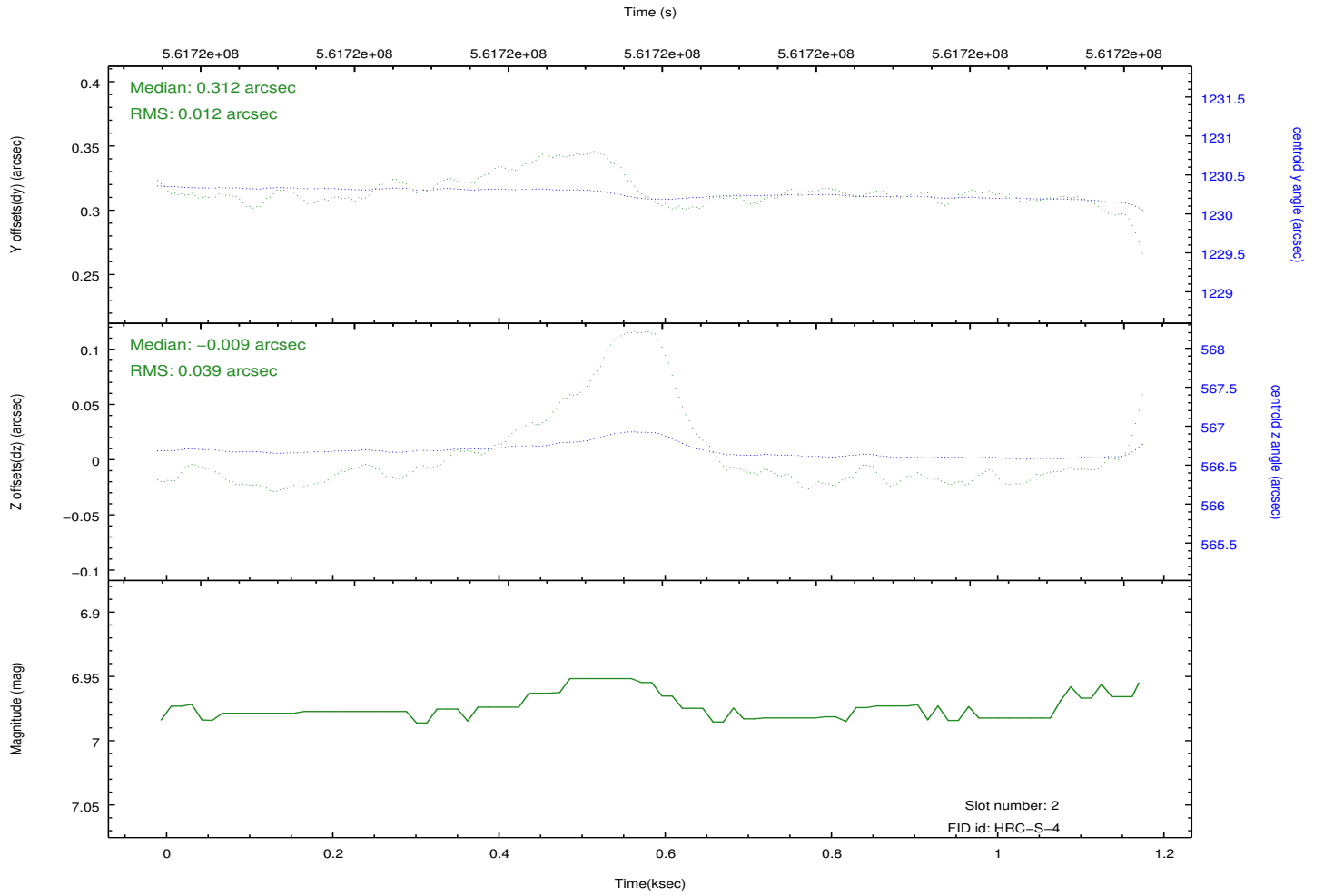
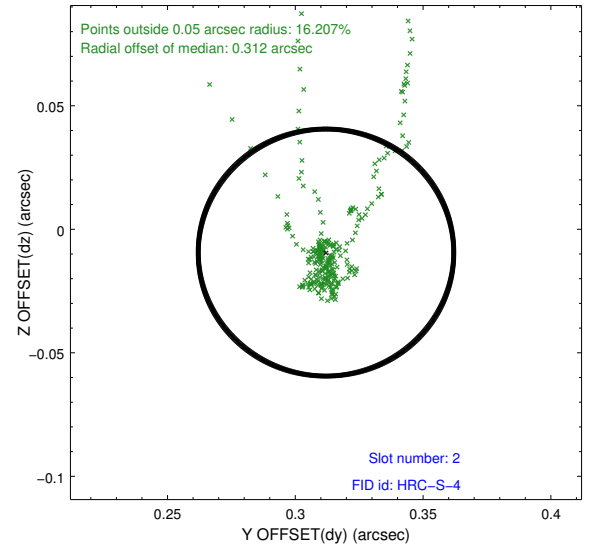
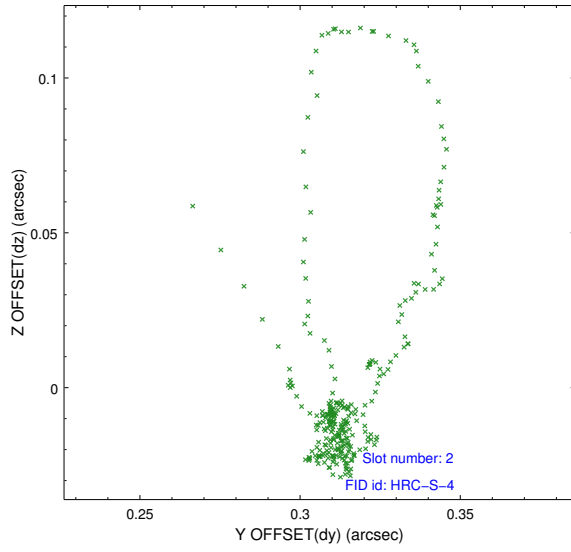
2.5.1 Slot 0



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	1.1572250654697

A.2 Comments