

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17340 - L2 Version 1
Chandra X-Ray Center

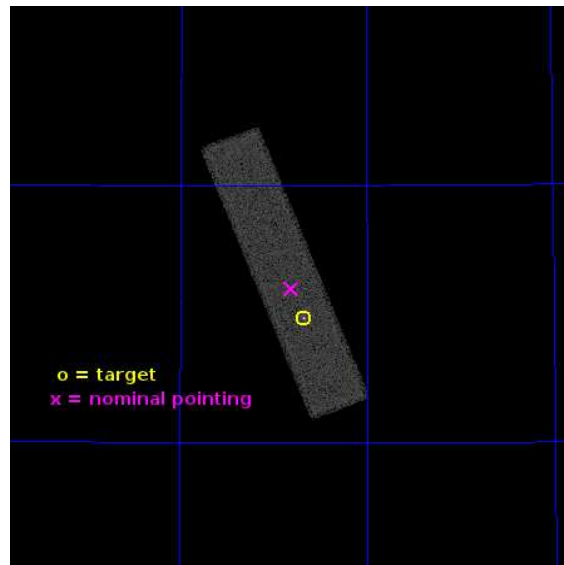
L2 Processing Date : Oct 20 2015

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1 Front

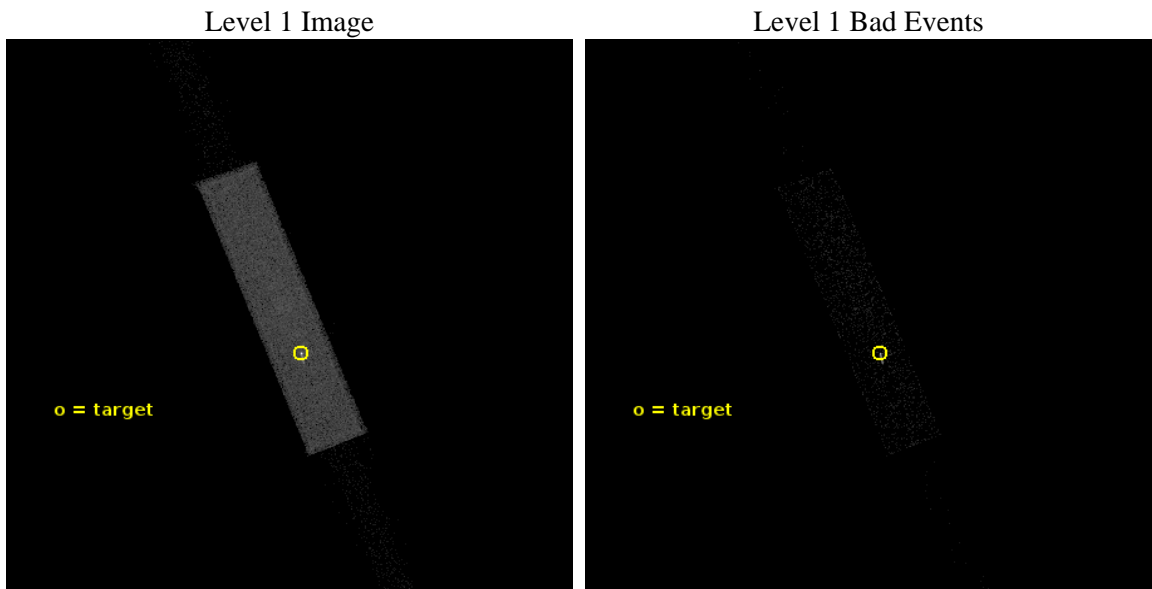
seq_num	291213	Sequence number
obs_id	17340	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20244768903	Nominal RA [deg]
dec_nom	45.799239581264	Nominal Dec [deg]
roll_nom	248.42806016952	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1157.4813156128	[s]
livetime	1150.4273590372	Ontime multiplied by DTCOR
l2events	53265	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	1157.4813156128	[s]
caldbver	4.6.10a	 	l1events	82656	Number of level 1 events
date	2015-10-20T22:43:48	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

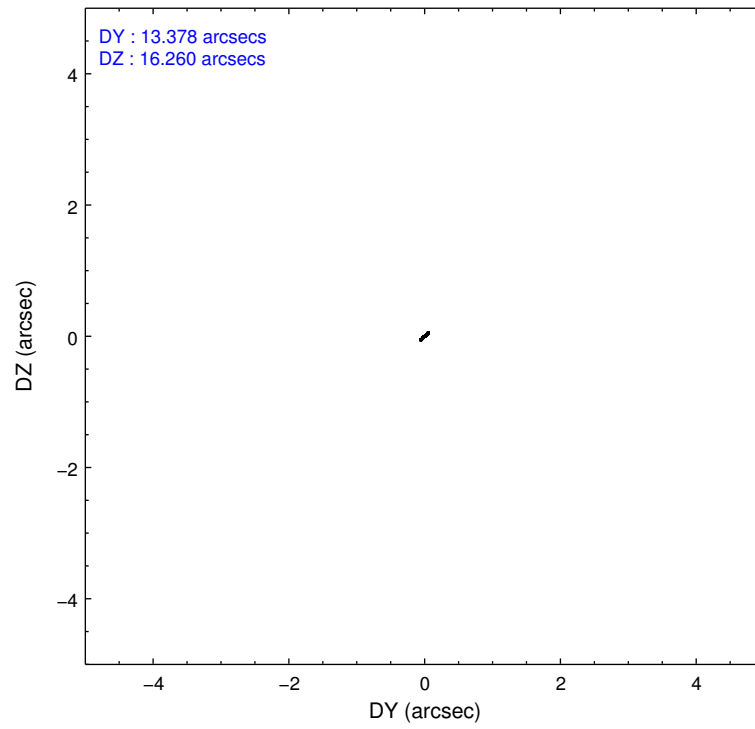
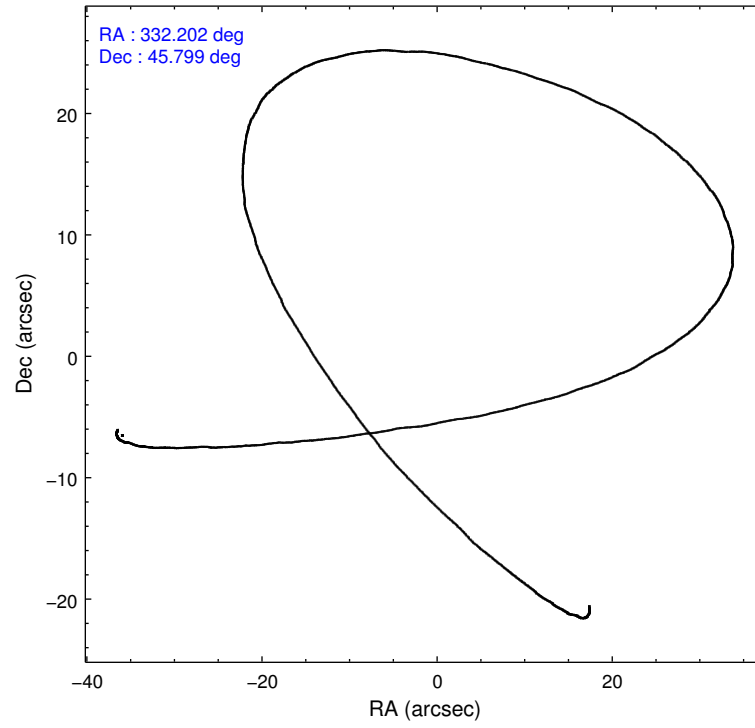
Level 1 Events

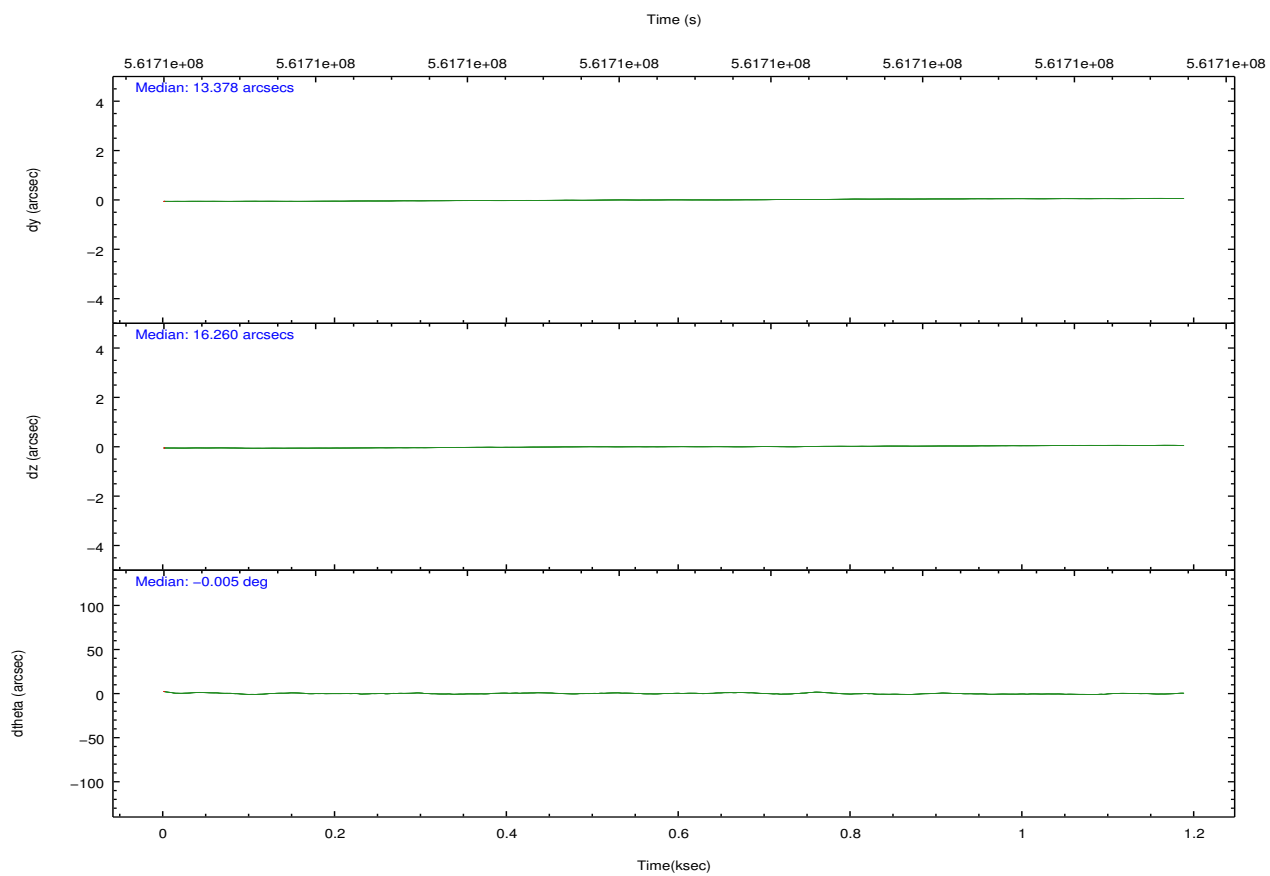
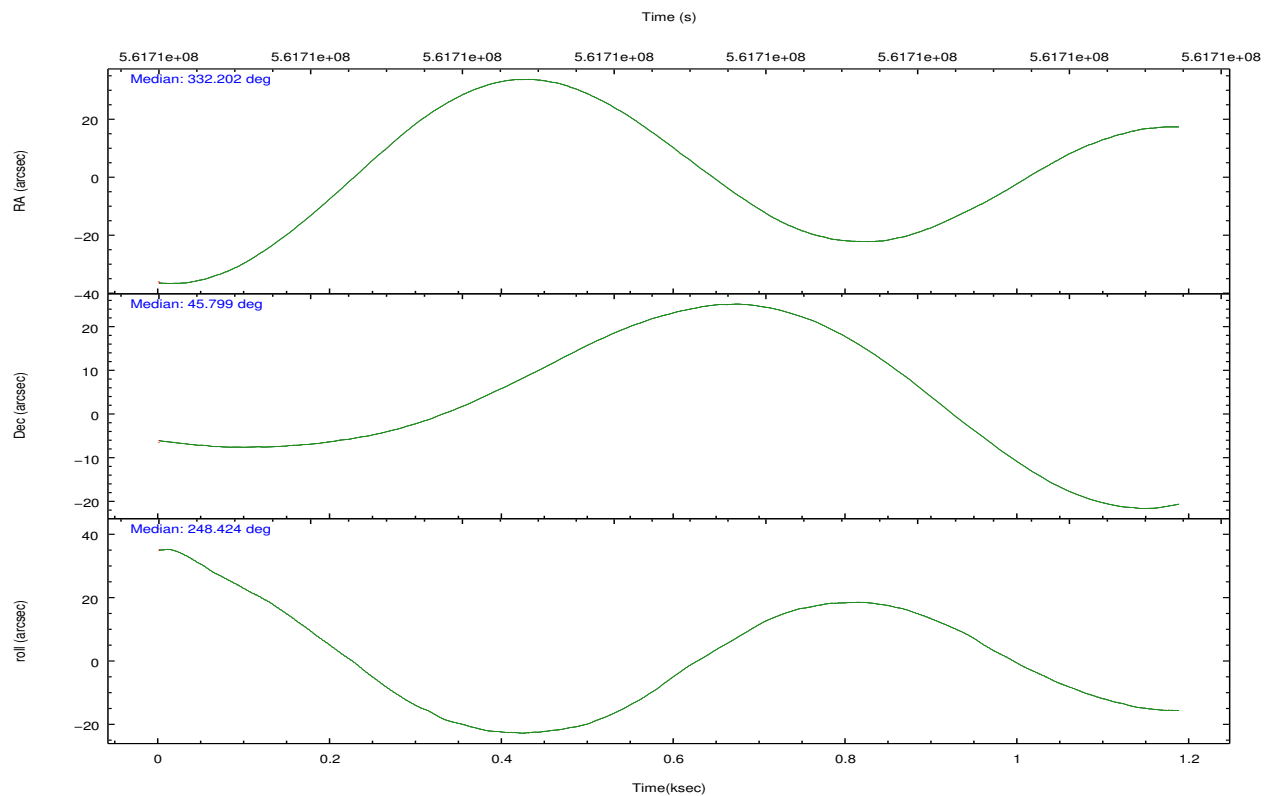
	segment 1	segment 2	segment 3
level 1 events	705	81207	744
rejected events	705	18479	744
rejected %	100%	22%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.194555	332.2024476890346			
[deg] Pointing Dec	45.828031	45.79923958126432			
[deg] Pointing Roll	248.366336	248.4280601695199			
[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)	561712253.184000	561711876.9464999			
Observation start date	2015-10-20T07:09:45	2015-10-20T07:04:36			
[s] Observation end time (MET)	561713253.184000	561713387.28409			
Observation end date	2015-10-20T07:26:25	2015-10-20T07:29:47			

2.3 Aspect



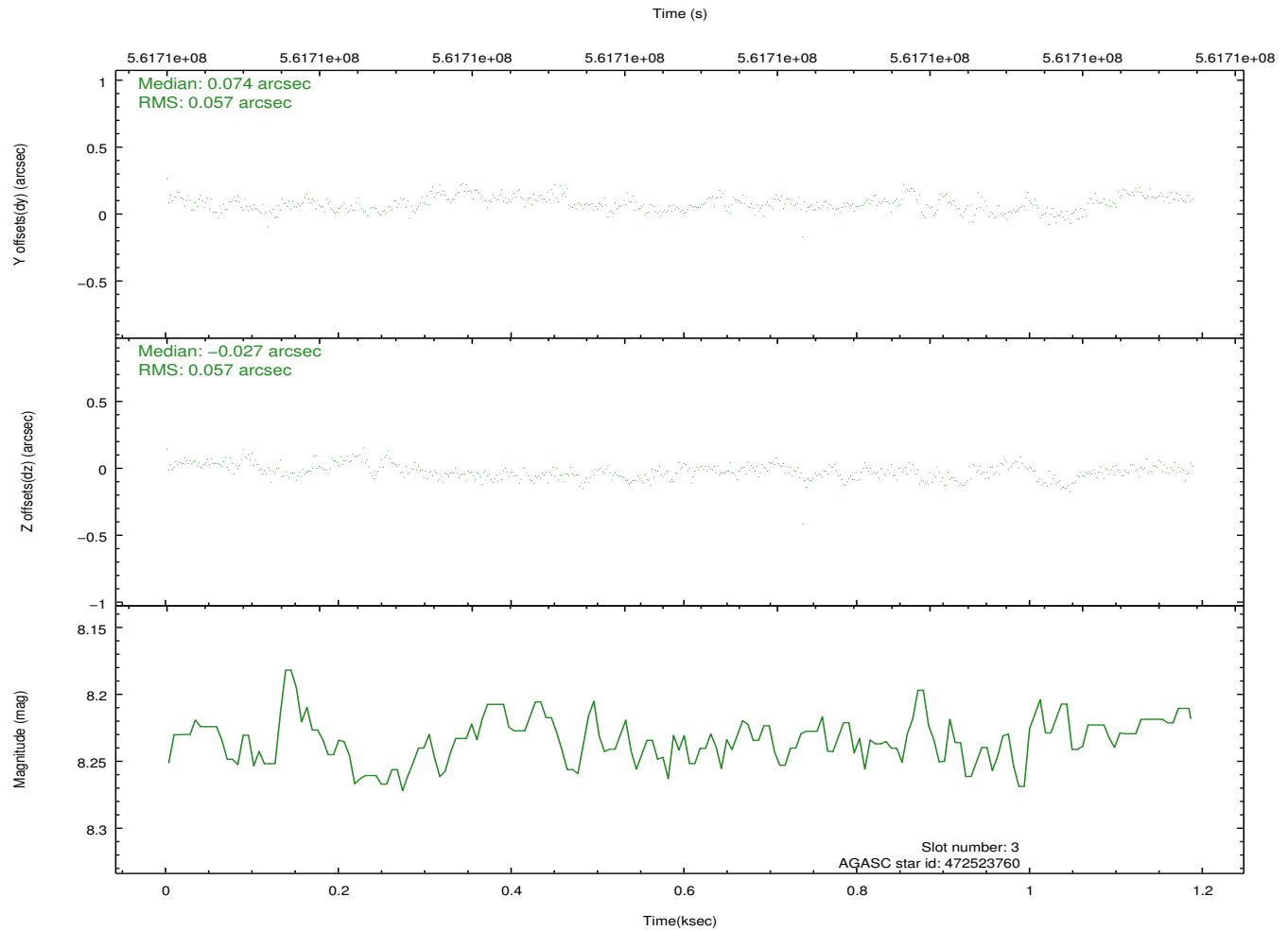
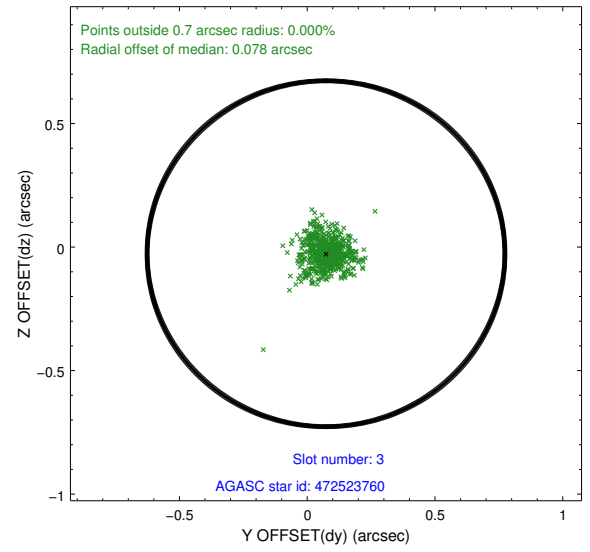
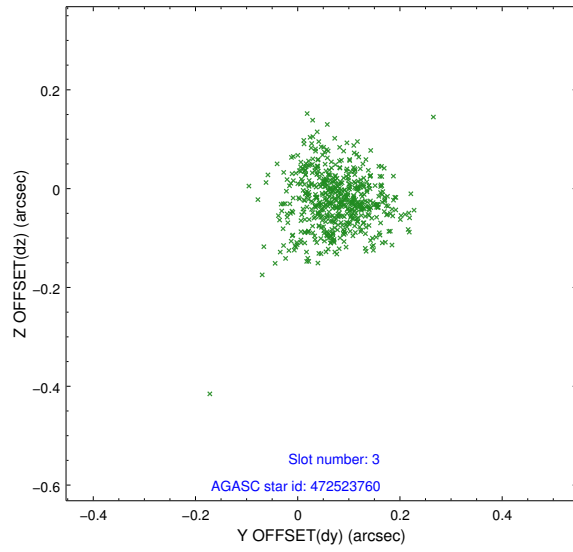


Slot Statistics

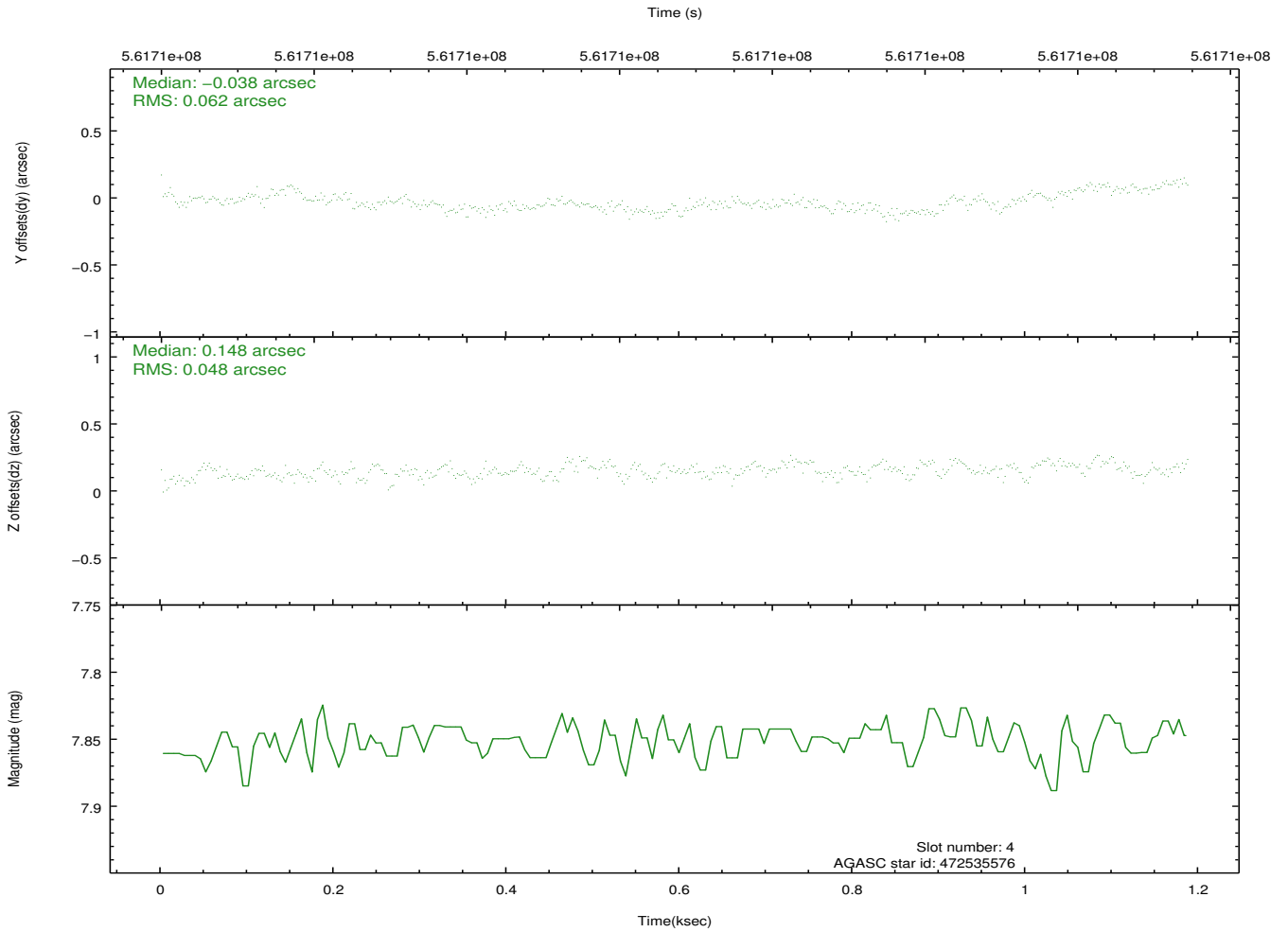
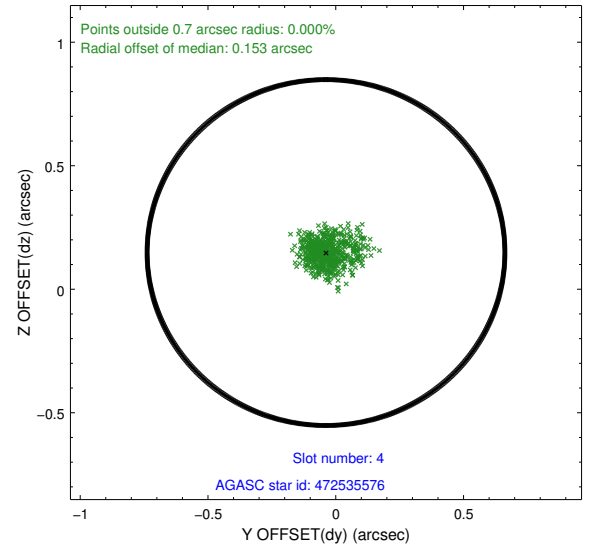
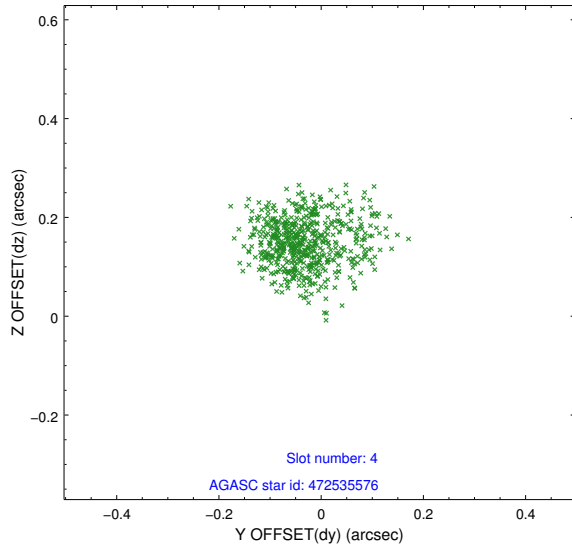
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.02	290	-0.002	-0.189	0.006	0.010	0.000000	0.000000	-1167.79	-465.20
1	FID		HRC-S-2	7.01	290	0.339	-0.133	0.006	0.009	0.000000	0.000000	1228.19	-459.32
2	FID		HRC-S-3	7.01	290	0.052	0.020	0.007	0.010	0.000000	0.000000	-1166.25	562.95
3	GUIDE	used	472523760	8.23	580	0.074	-0.027	0.084	0.134	331.645363	45.403260	1927.81	-728.30
4	GUIDE	used	472535576	7.85	580	-0.038	0.148	0.083	0.139	331.438373	46.291802	-864.64	-2368.46
5	GUIDE	used	472655152	9.41	580	0.045	-0.135	0.187	0.363	332.504239	45.862991	-407.30	670.70
6	GUIDE	used	472665256	8.99	580	-0.064	-0.194	0.140	0.230	332.808125	46.195041	-1799.47	932.92
7	GUIDE	used	472536328	8.11	579	0.011	0.218	0.089	0.147	331.496671	46.454831	-1470.70	-2441.85

2.4 Star Slots

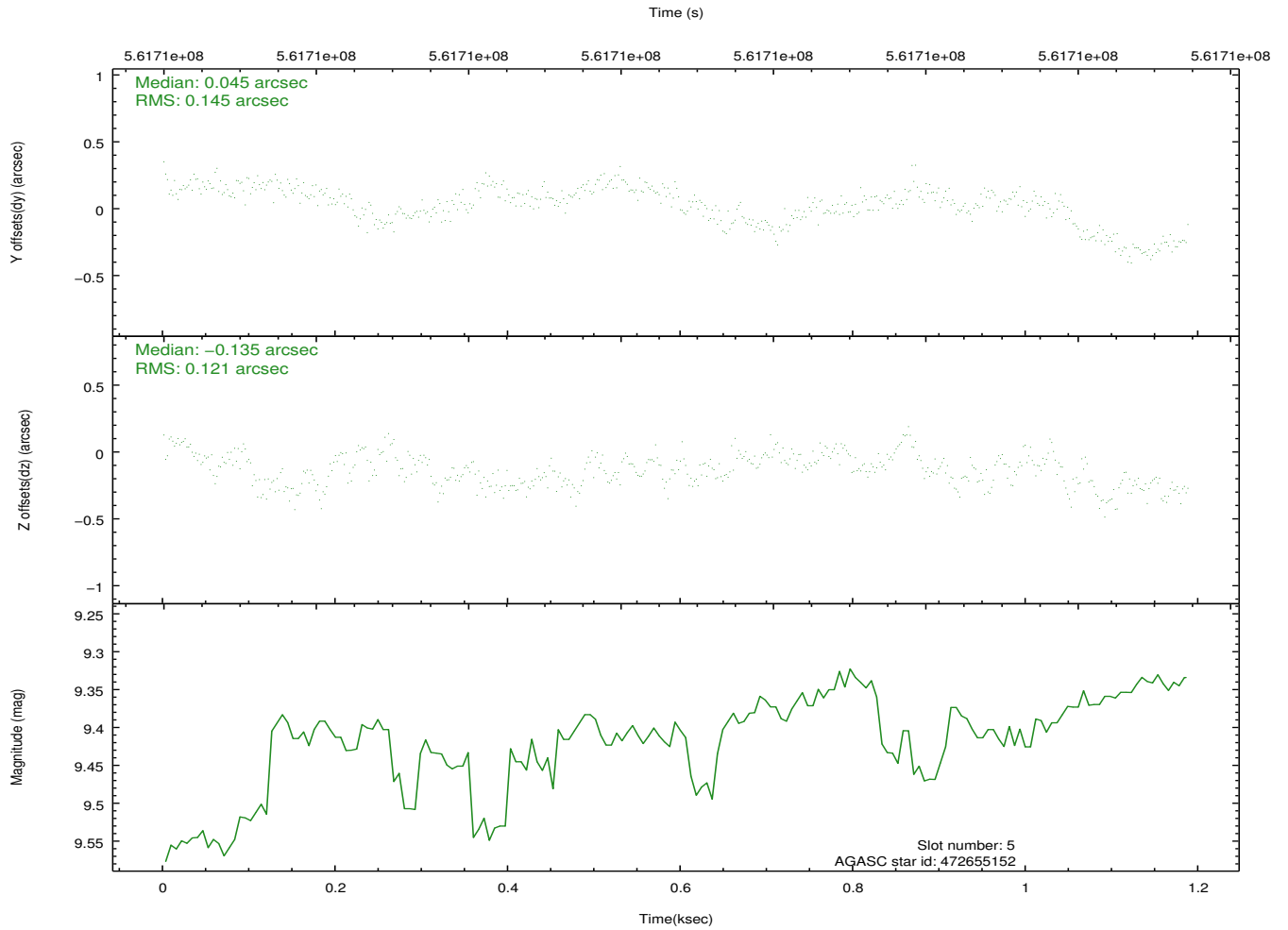
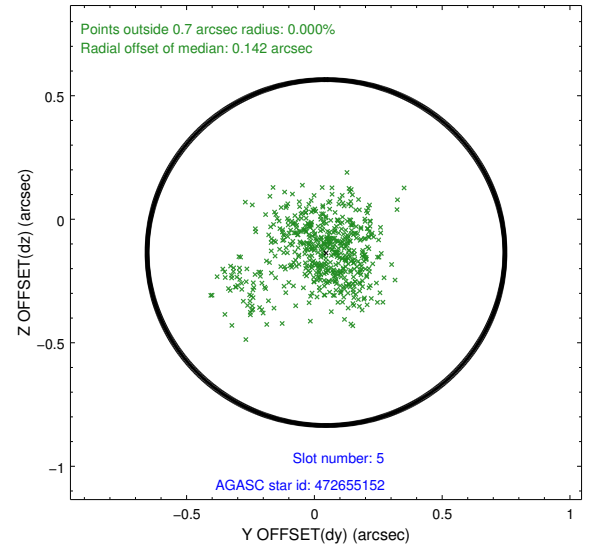
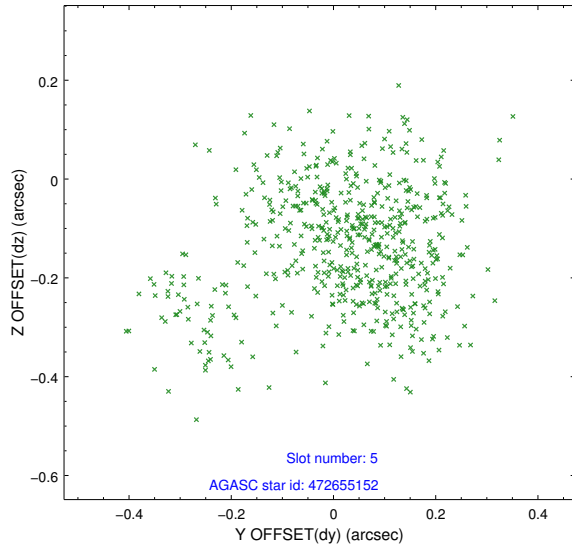
2.4.1 Slot 3



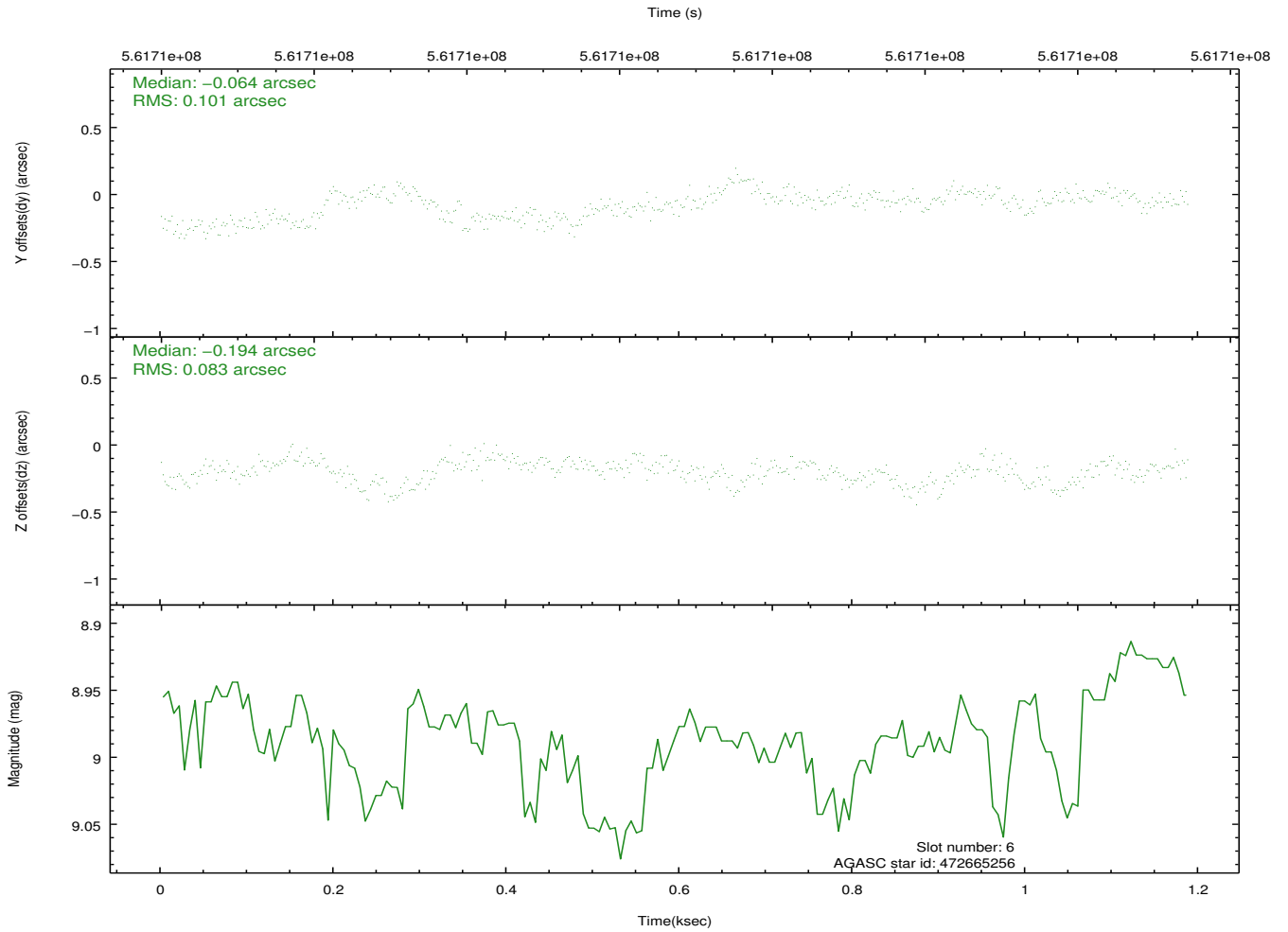
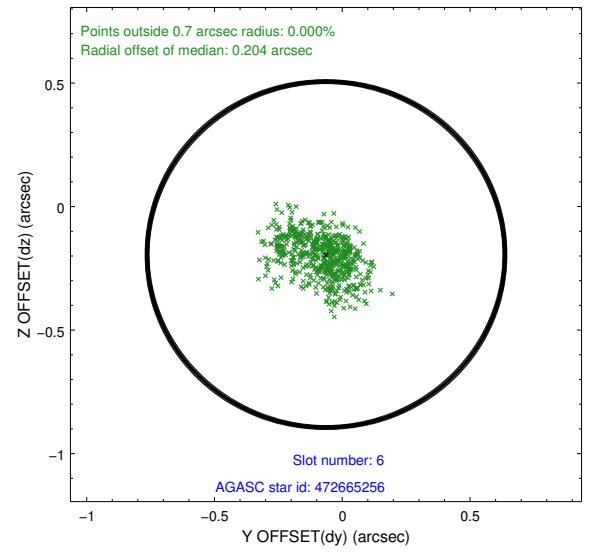
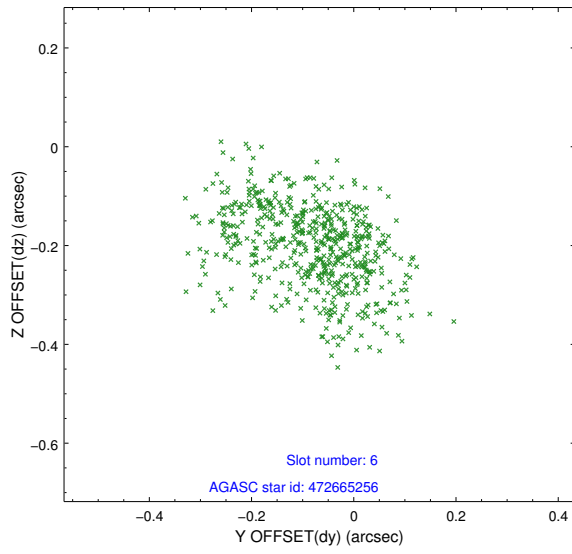
2.4.2 Slot 4



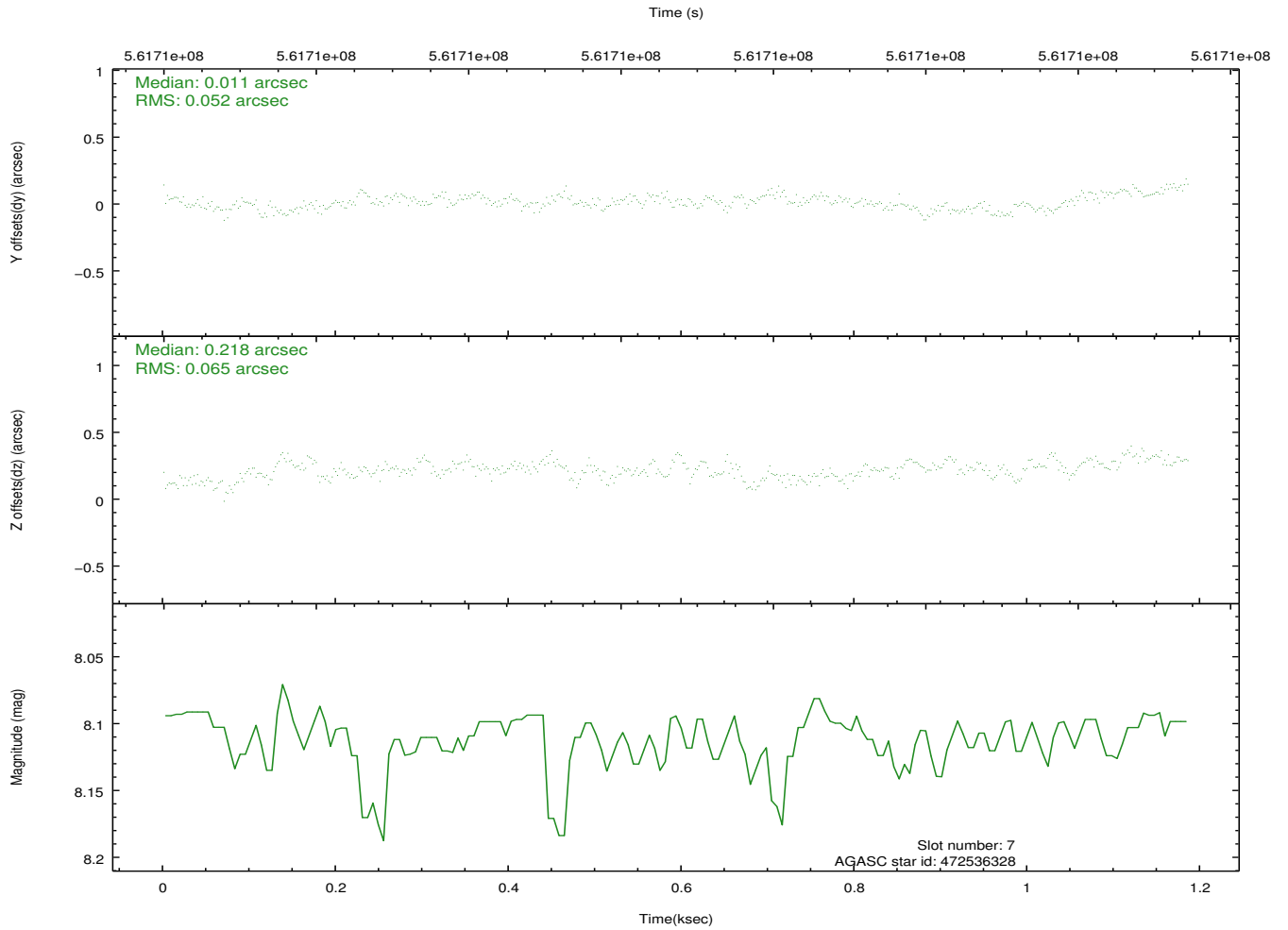
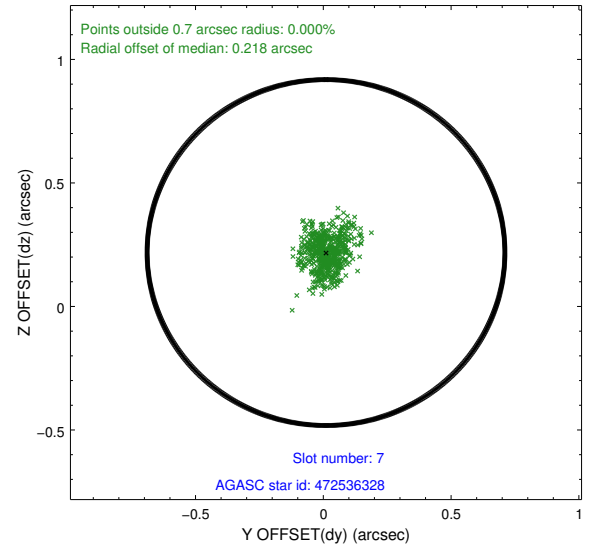
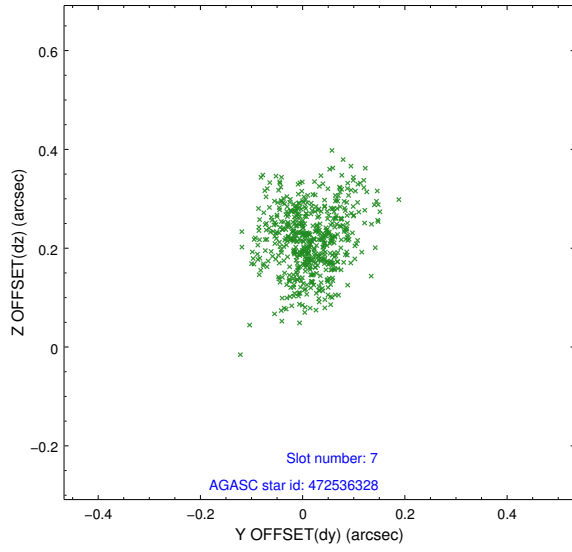
2.4.3 Slot 5



2.4.4 Slot 6

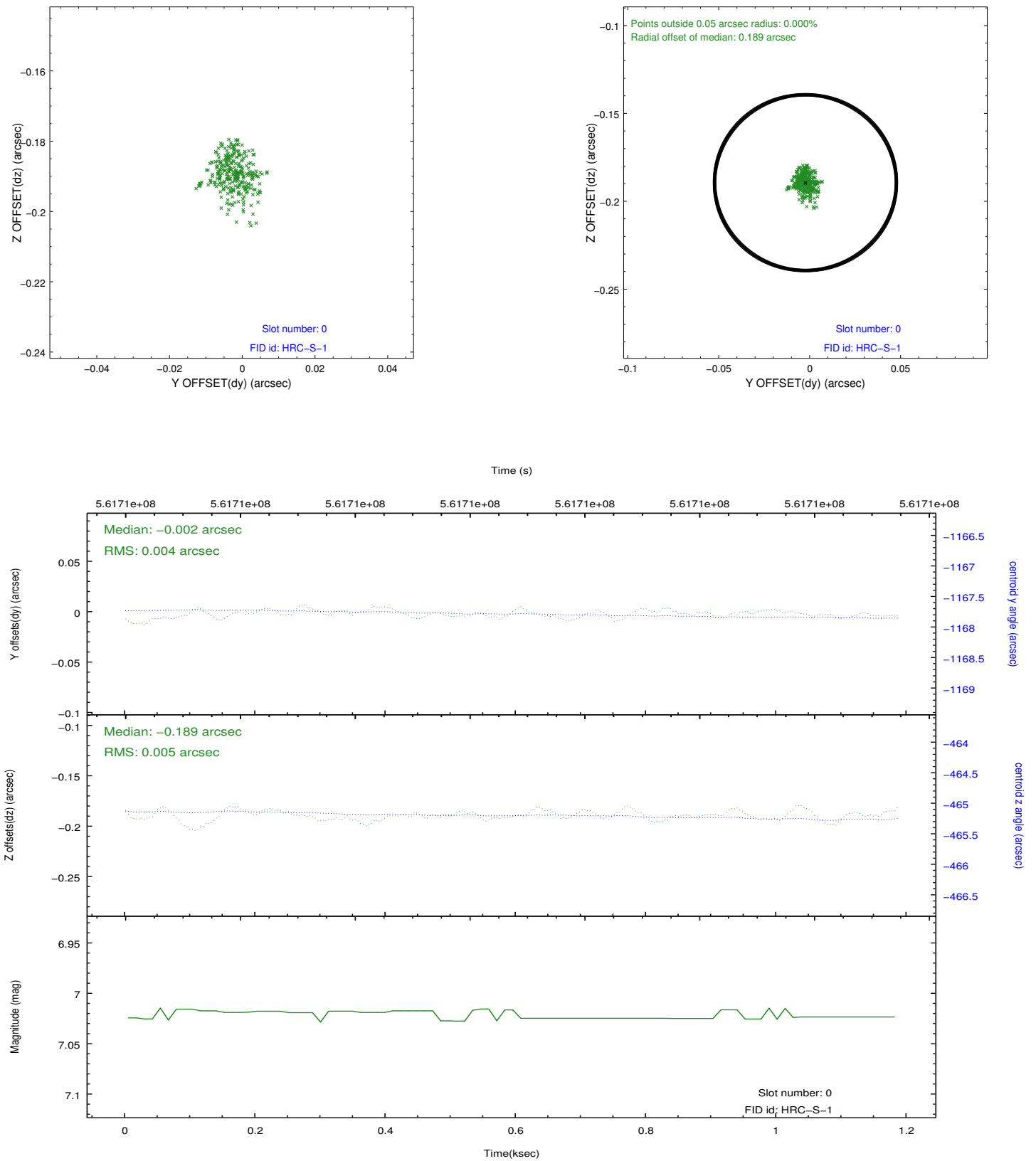


2.4.5 Slot 7

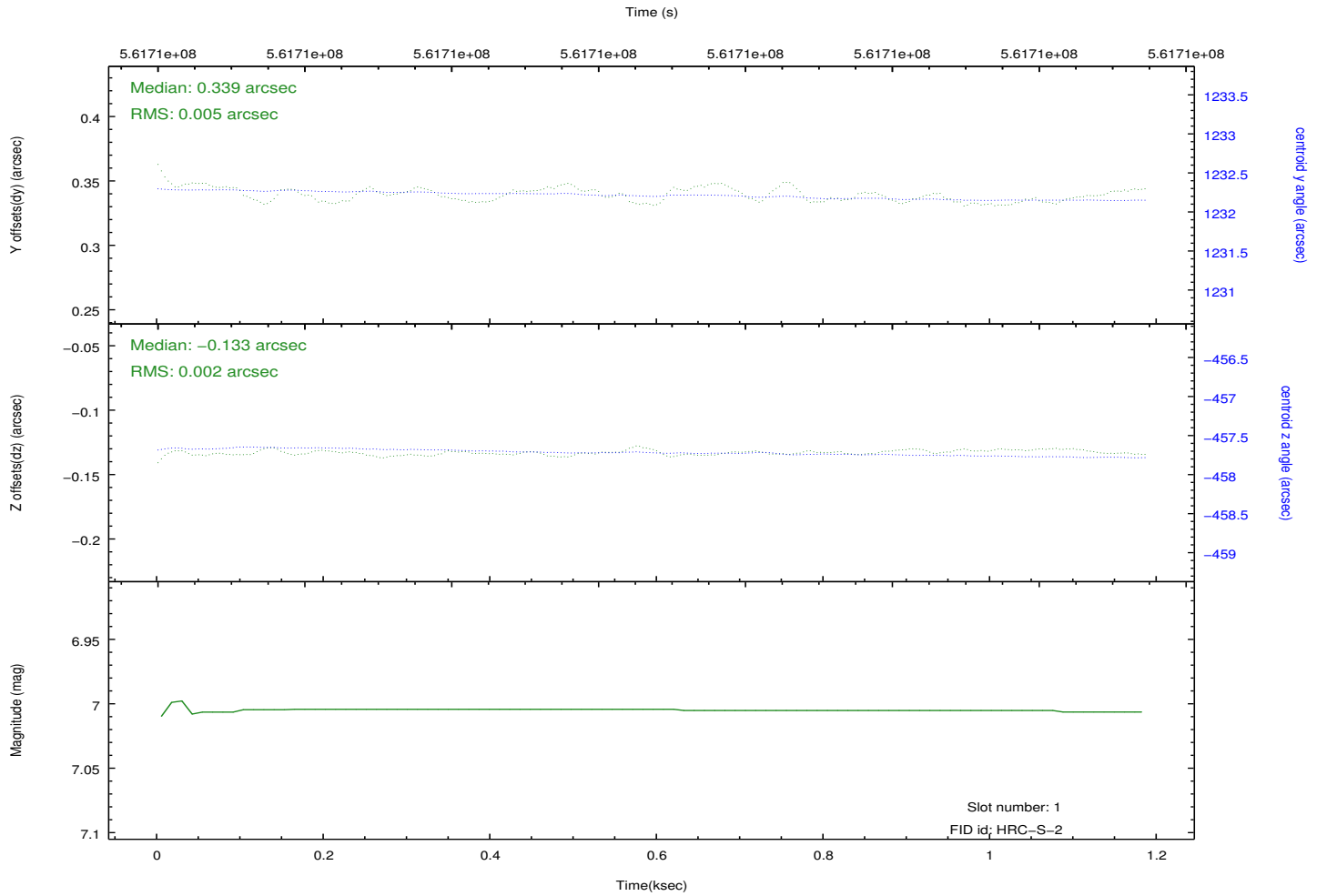
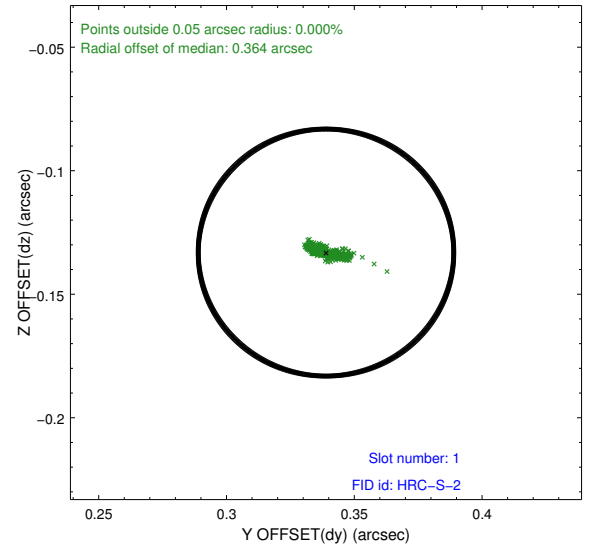
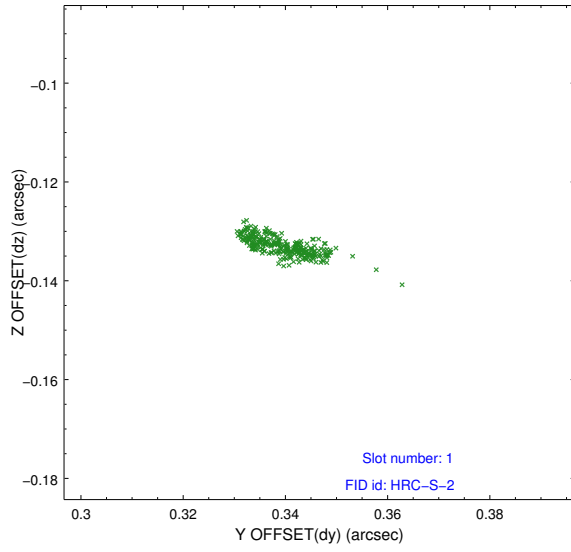


2.5 FID Slots

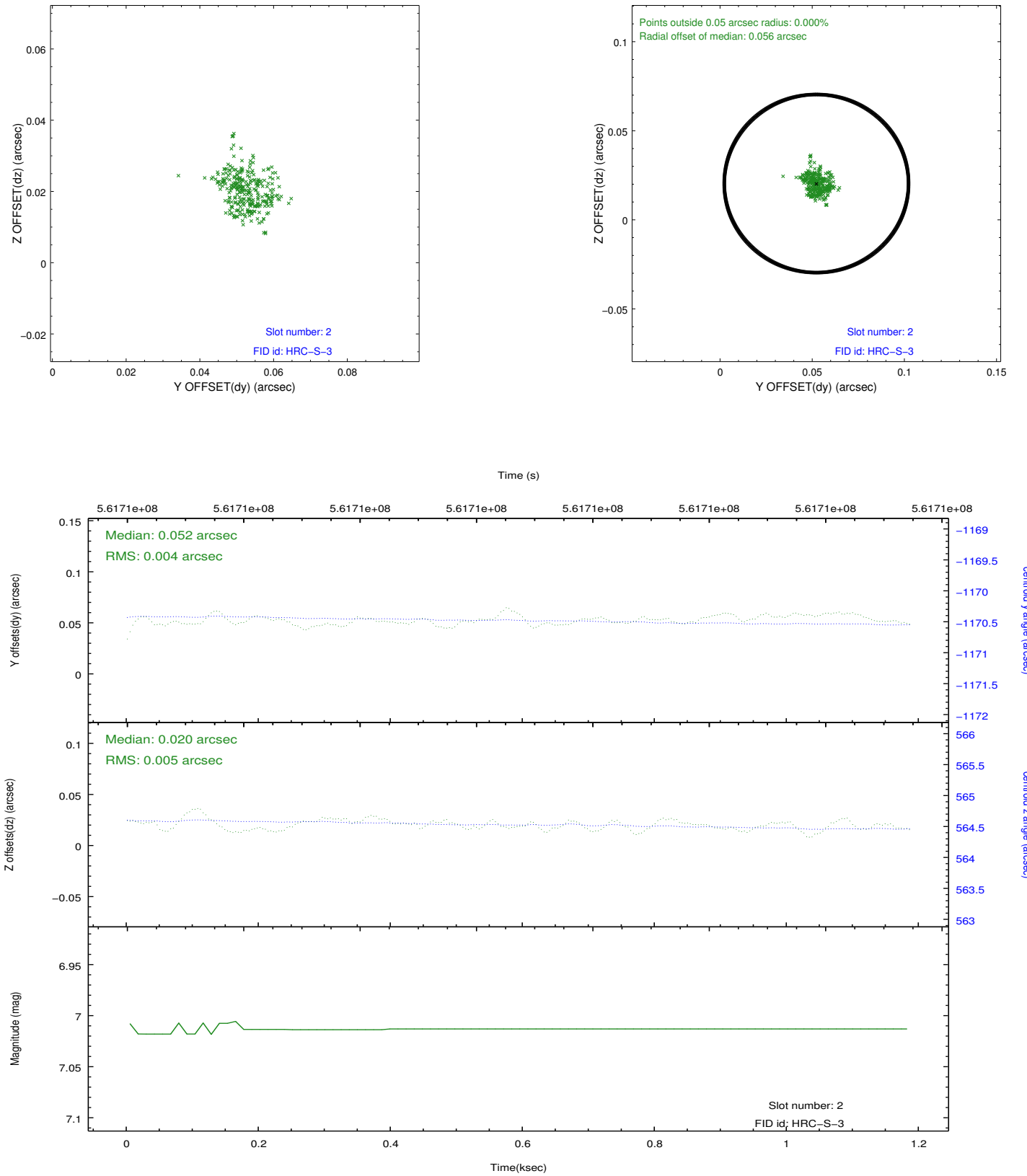
2.5.1 Slot 0



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	1.1574813156128

A.2 Comments