

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17336 - L2 Version 1
Chandra X-Ray Center

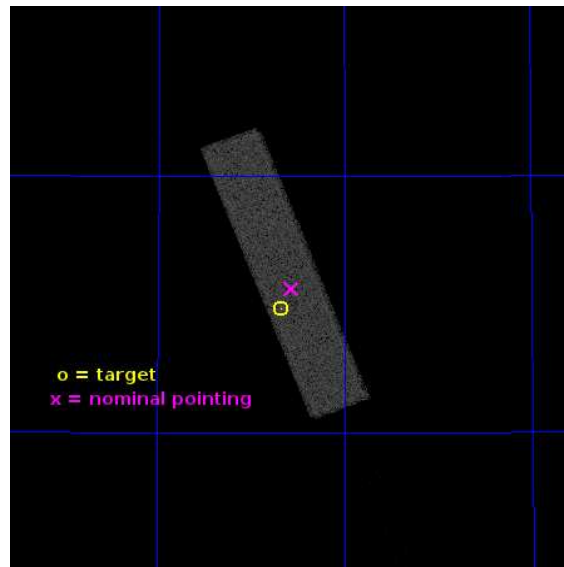
L2 Processing Date : Oct 20 2015

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1 Front

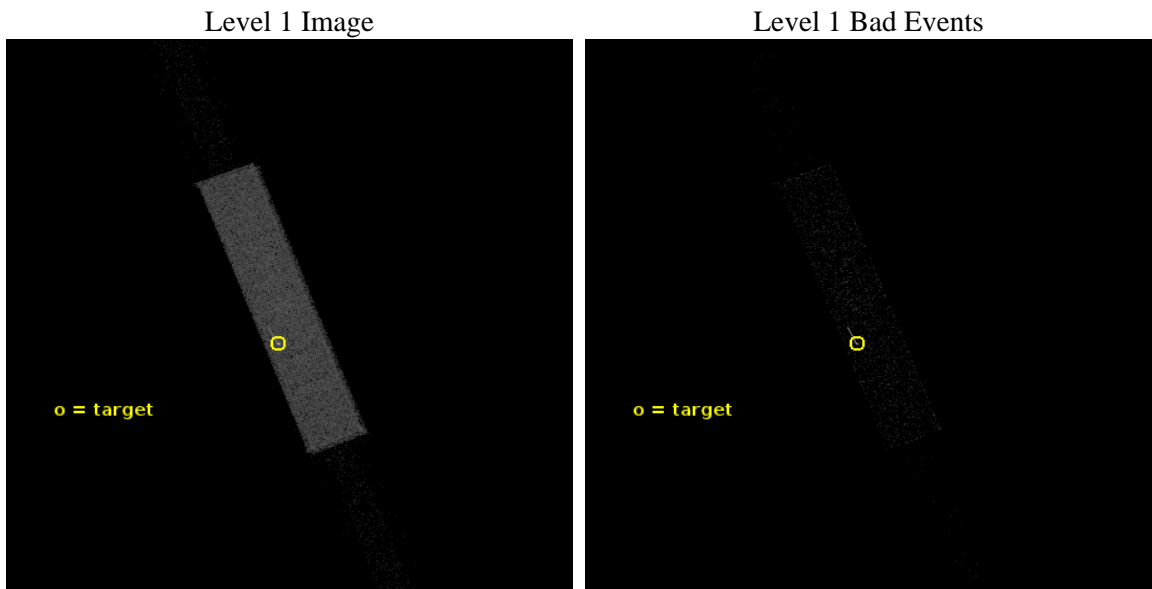
seq_num	291209	Sequence number
obs_id	17336	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.14210126228	Nominal RA [deg]
dec_nom	45.781097798301	Nominal Dec [deg]
roll_nom	248.41262305603	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1161.5813156366	[s]
livetime	1154.3608283119	Ontime multiplied by DTCOR
l2events	54744	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	1161.5813156366	[s]
caldbver	4.6.10a	 	l1events	83635	Number of level 1 events
date	2015-10-20T22:42:10	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

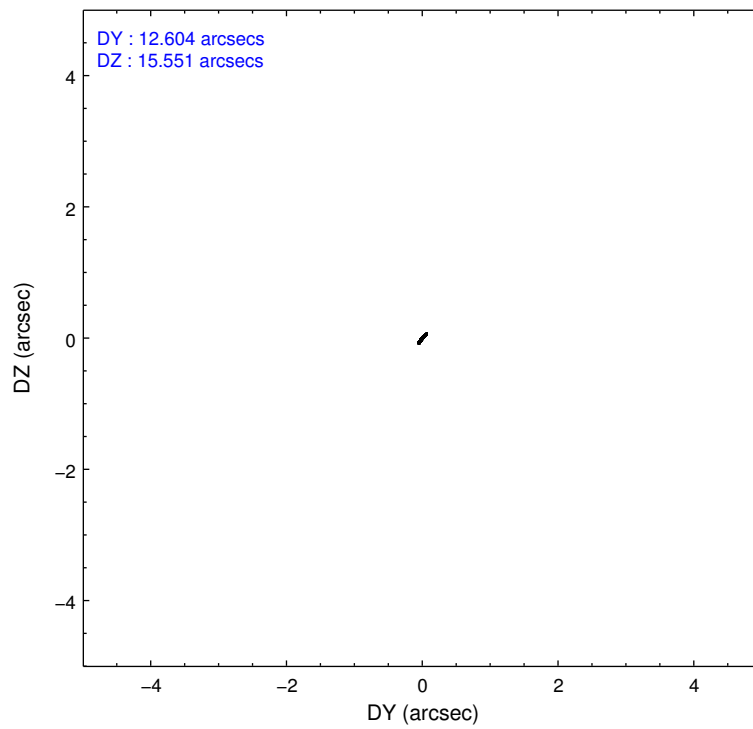
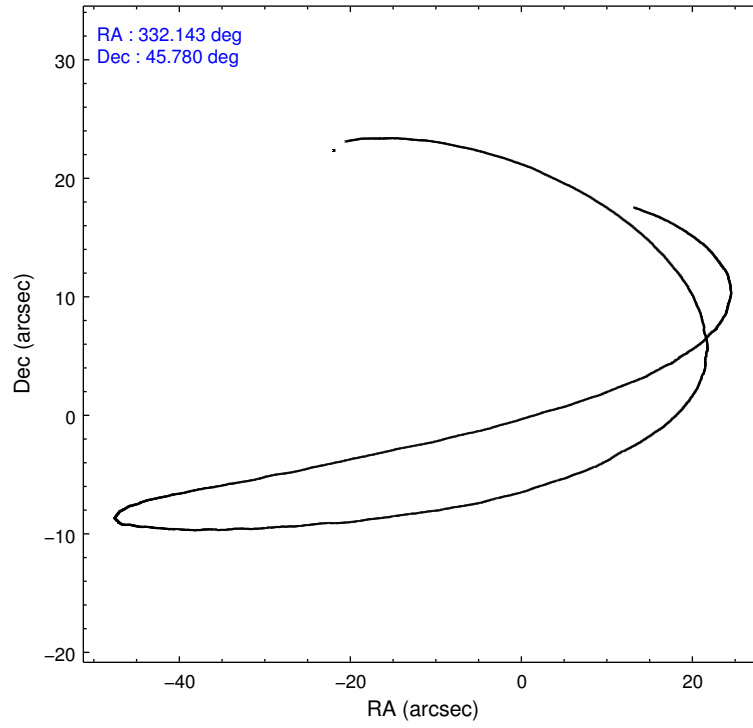
Level 1 Events

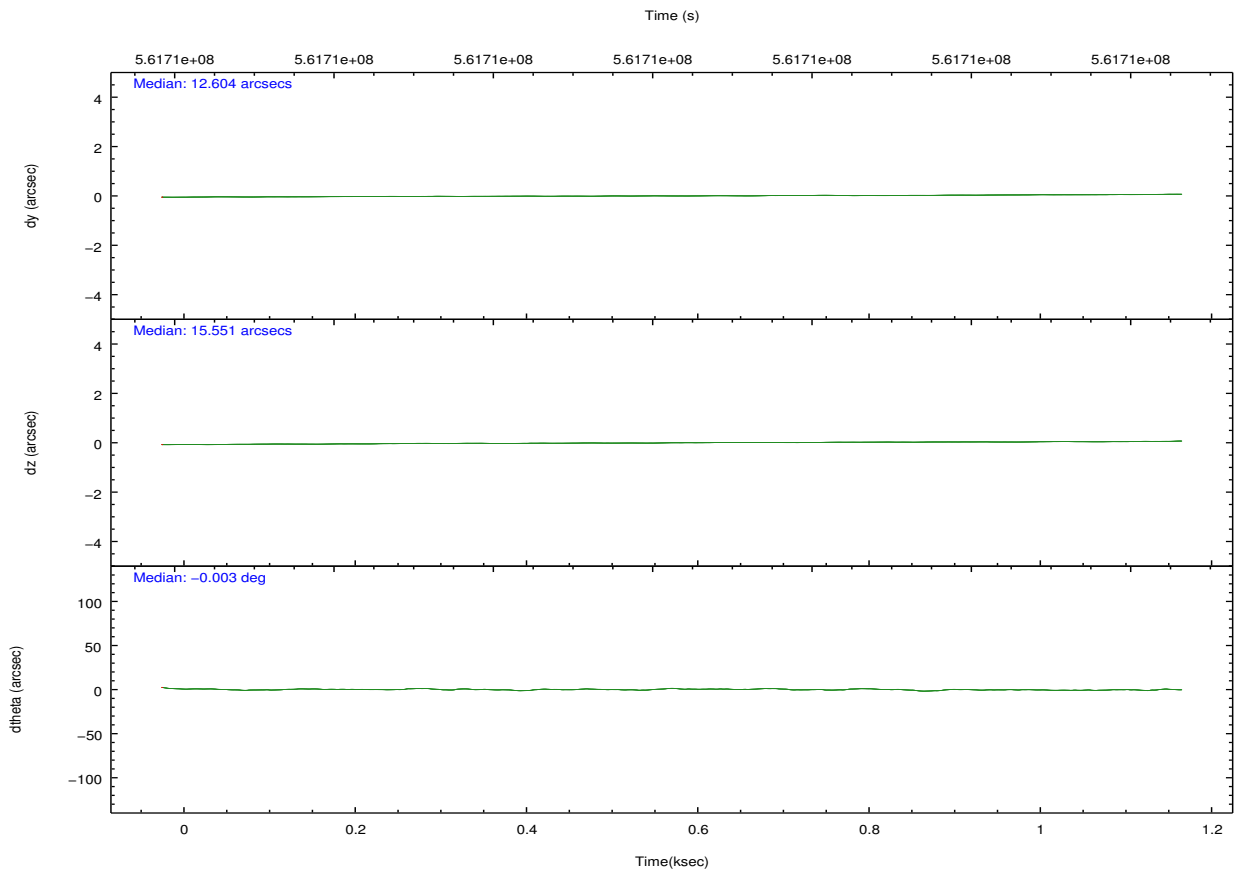
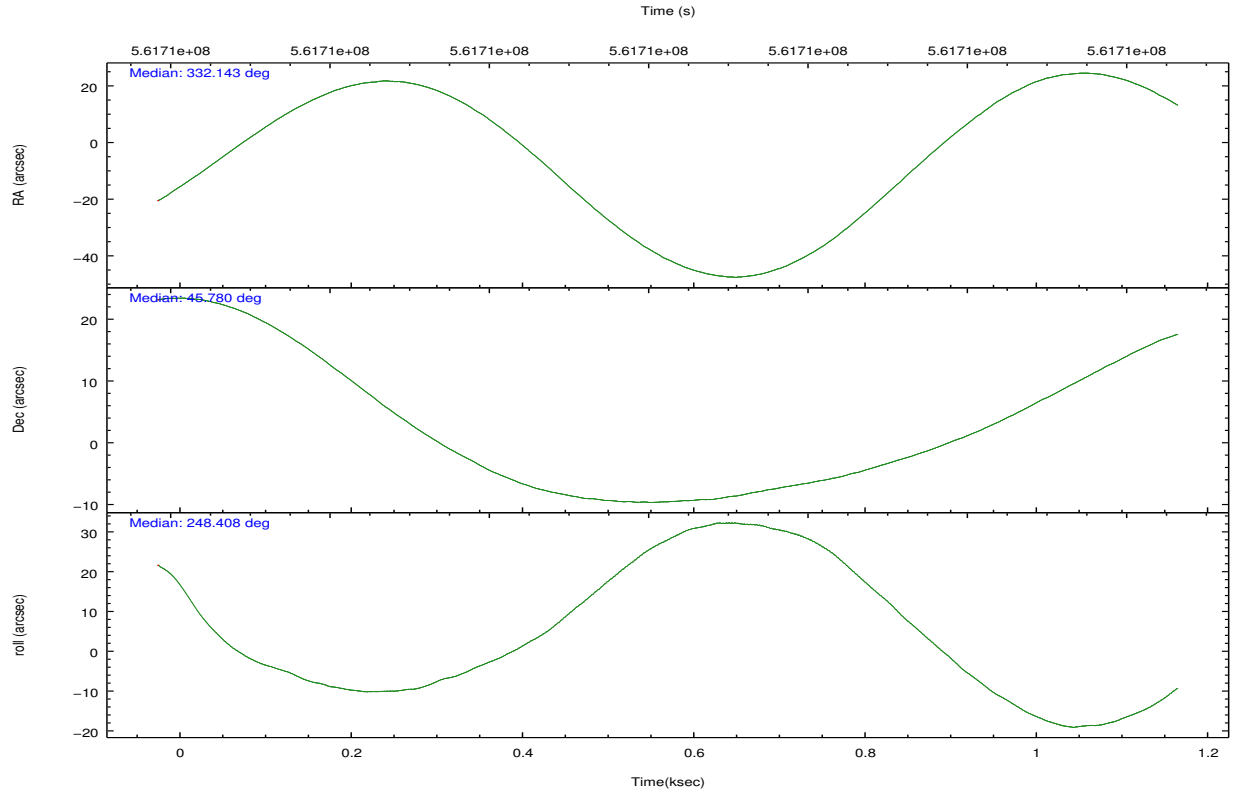
	segment 1	segment 2	segment 3
level 1 events	704	82269	662
rejected events	704	18159	647
rejected %	100%	22%	97%

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	332.132583	332.1421012622818			
[deg] Pointing Dec	45.809342	45.78109779830086			
[deg] Pointing Roll	248.352100	248.4126230560291			
[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)	561706213.184000	561705837.13366			
Observation start date	2015-10-20T05:29:05	2015-10-20T05:23:57			
[s] Observation end time (MET)	561707213.184000	561707346.95875			
Observation end date	2015-10-20T05:45:45	2015-10-20T05:49:06			

2.3 Aspect





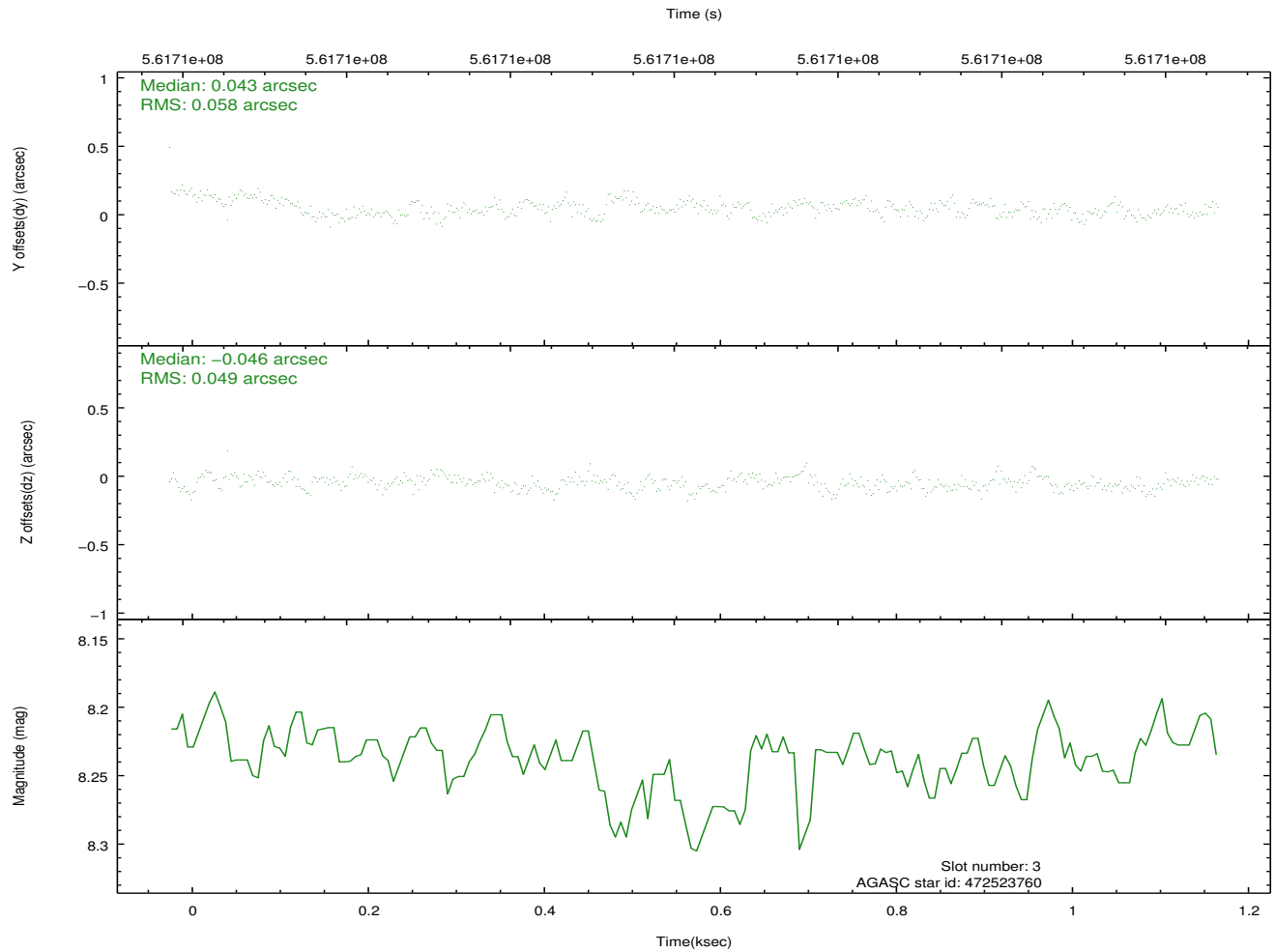
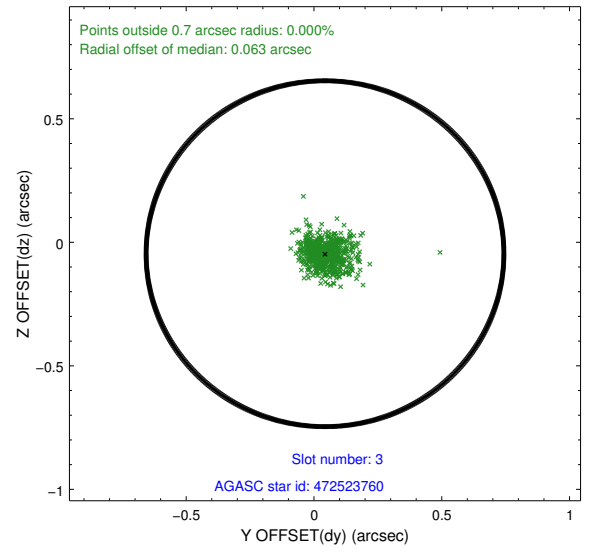
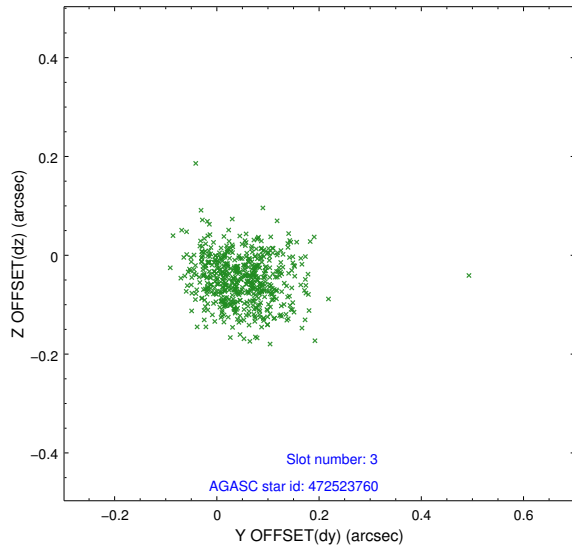
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-2	7.01	291	0.244	-0.173	0.008	0.014	0.000000	0.000000	1232.89	-457.06
1	FID		HRC-S-3	7.01	291	-0.114	-0.052	0.005	0.010	0.000000	0.000000	-1165.60	563.66
2	FID		HRC-S-4	6.97	291	0.276	-0.070	0.008	0.013	0.000000	0.000000	1227.50	569.70
3	GUIDE	used	472523760	8.24	582	0.043	-0.046	0.078	0.128	331.645363	45.403260	1811.85	-609.86
4	GUIDE	used	472533912	9.13	581	0.095	0.160	0.120	0.204	331.791136	46.368695	-1555.16	-1535.93
5	GUIDE	used	472535576	7.85	582	-0.077	0.161	0.079	0.124	331.438373	46.291802	-984.93	-2254.20
6	GUIDE	used	472655152	9.42	582	-0.001	-0.079	0.124	0.209	332.504239	45.862991	-524.87	787.08
7	GUIDE	used	472665256	9.00	580	-0.070	-0.205	0.124	0.219	332.808125	46.195041	-1917.28	1047.86

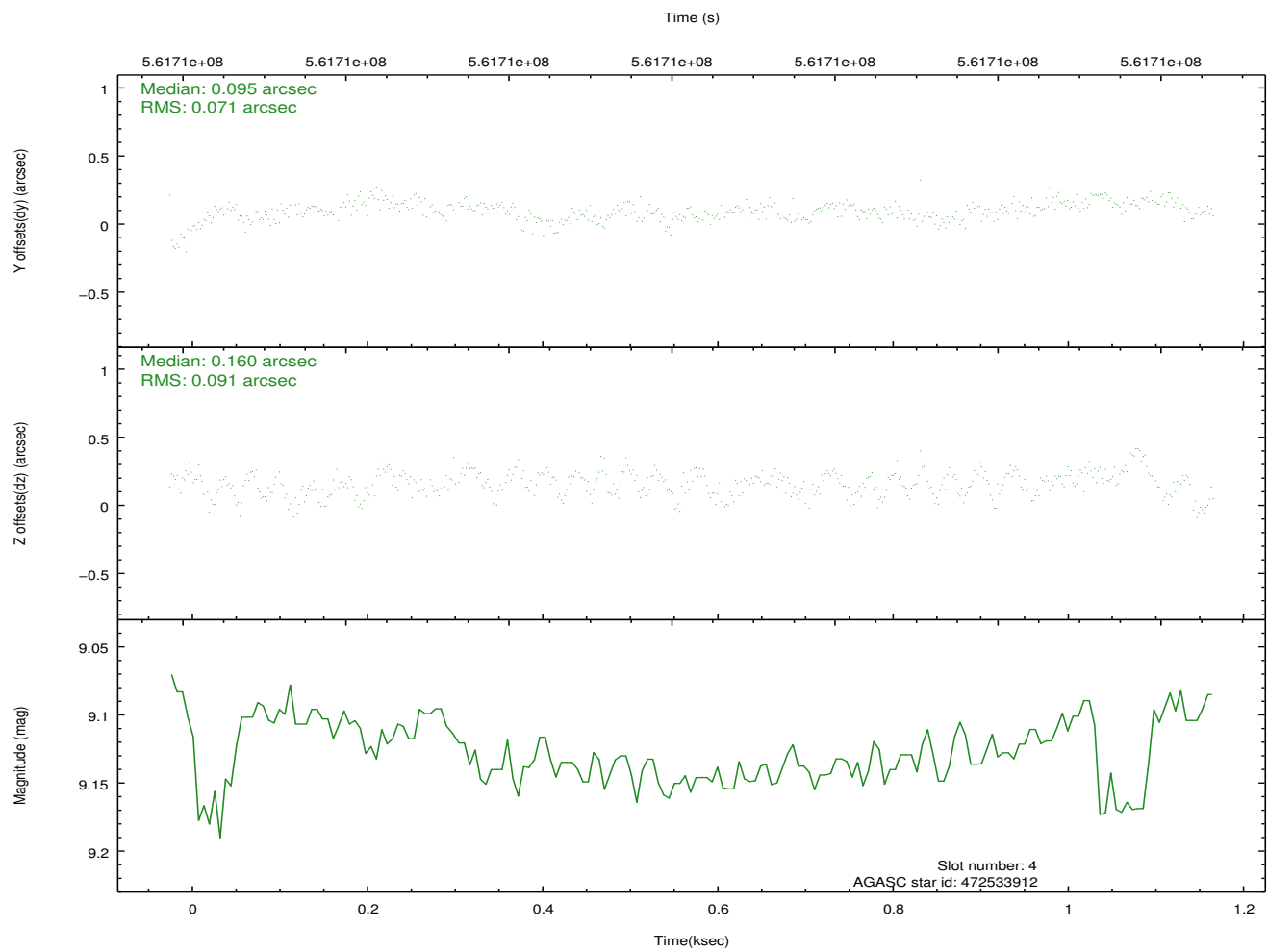
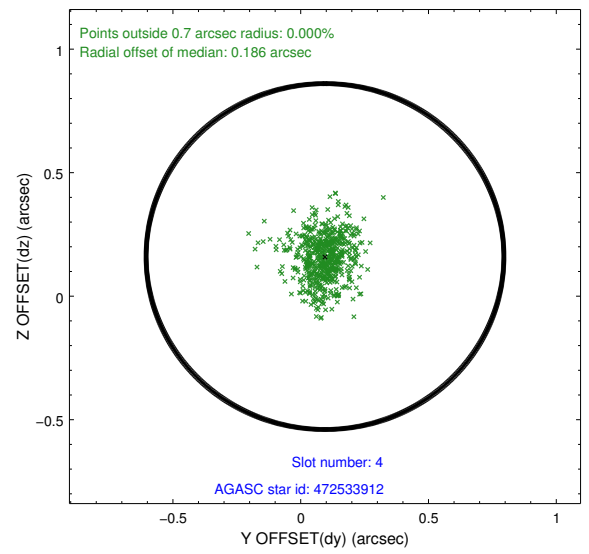
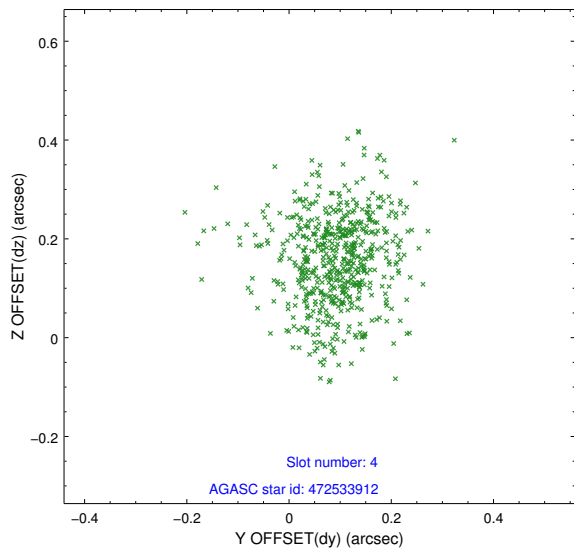
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2.4 Star Slots

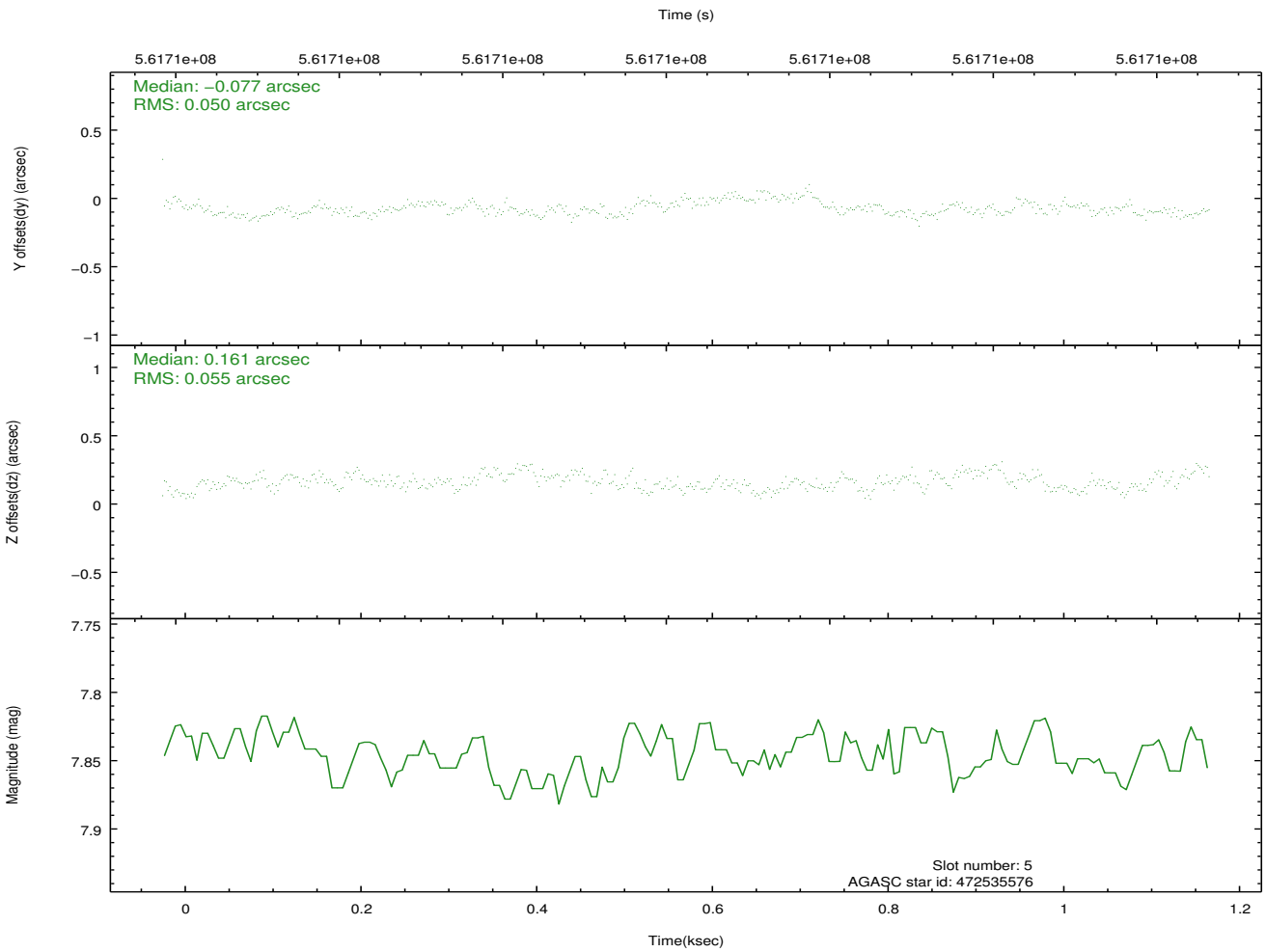
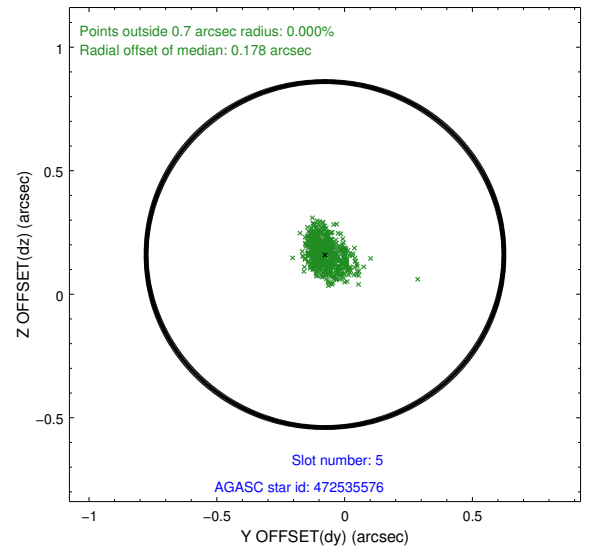
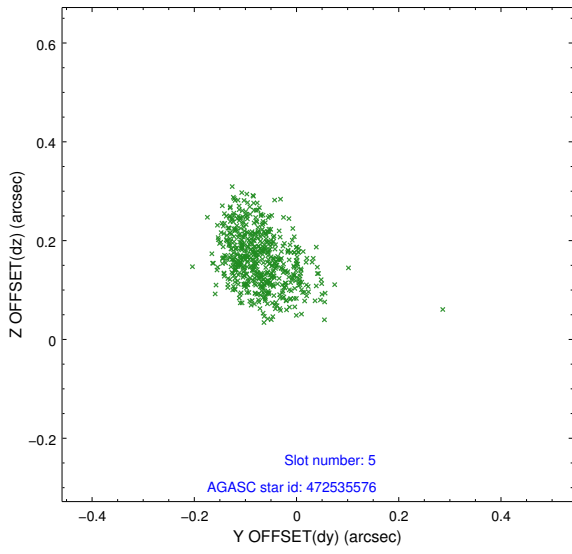
2.4.1 Slot 3



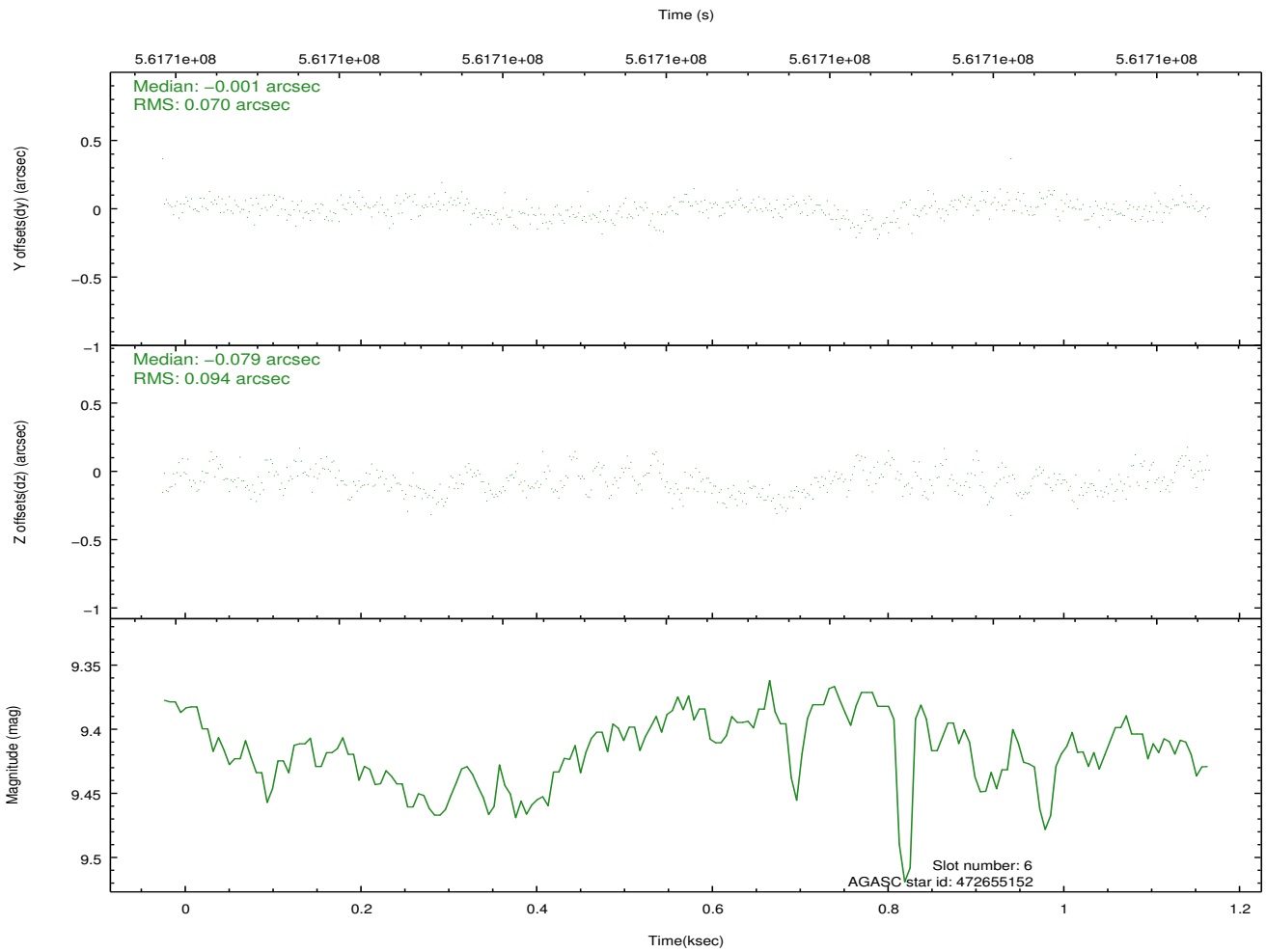
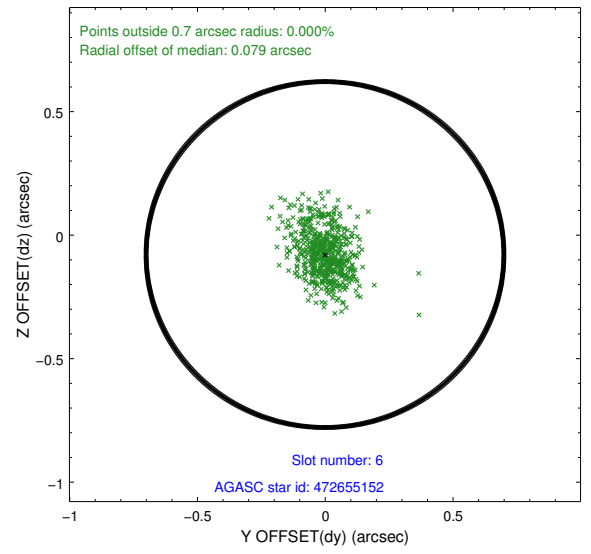
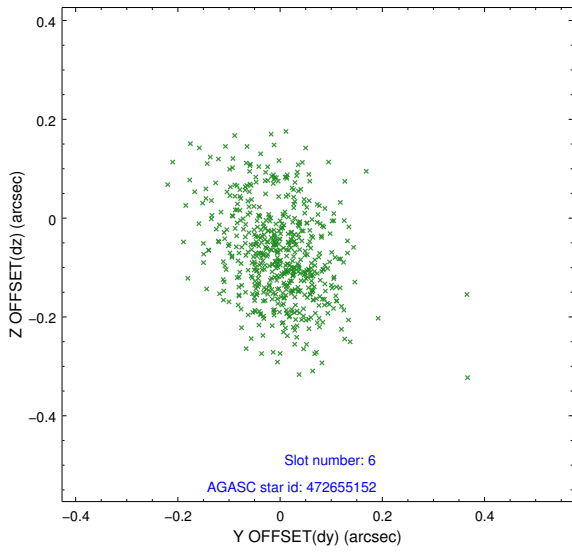
2.4.2 Slot 4



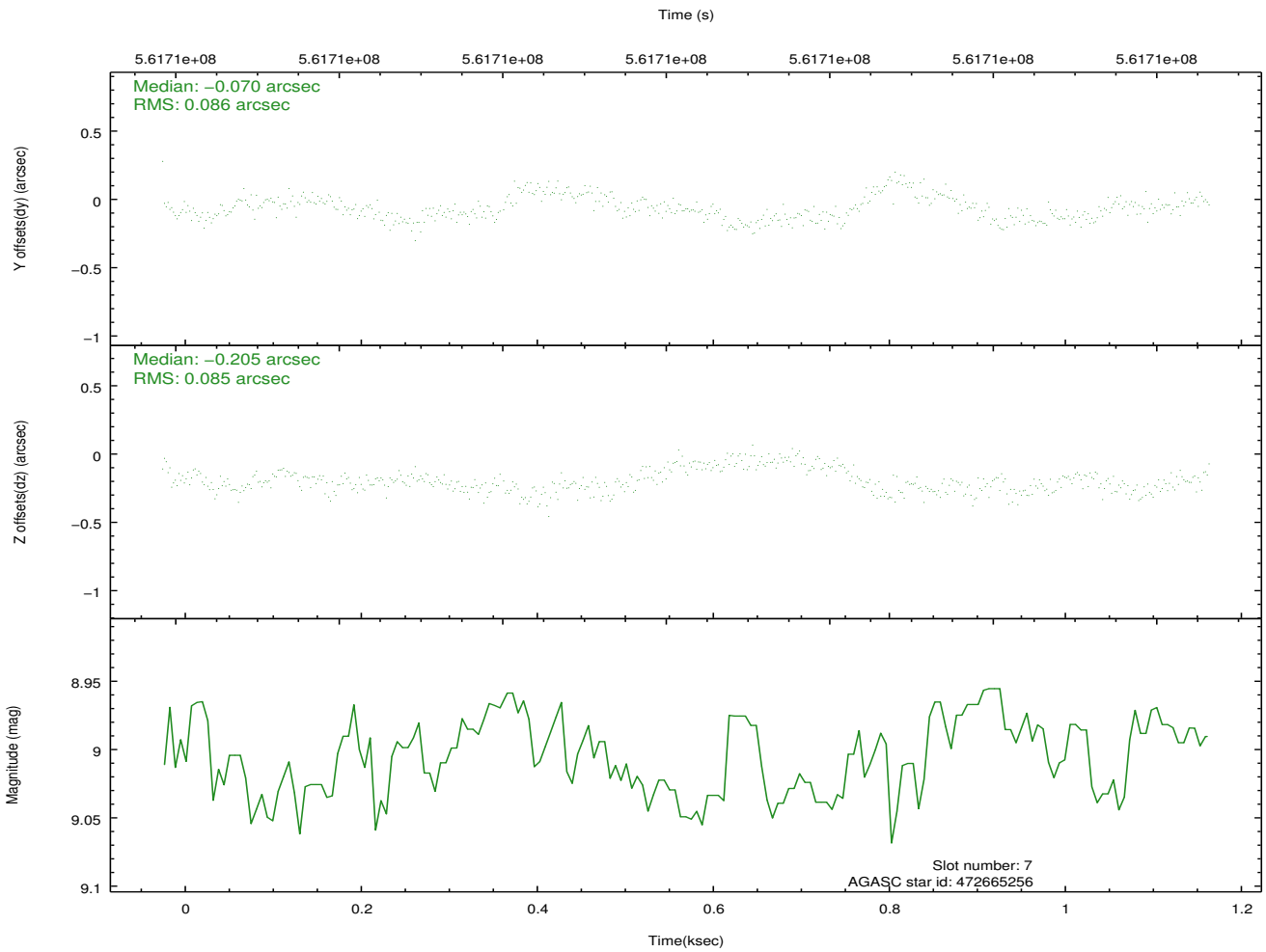
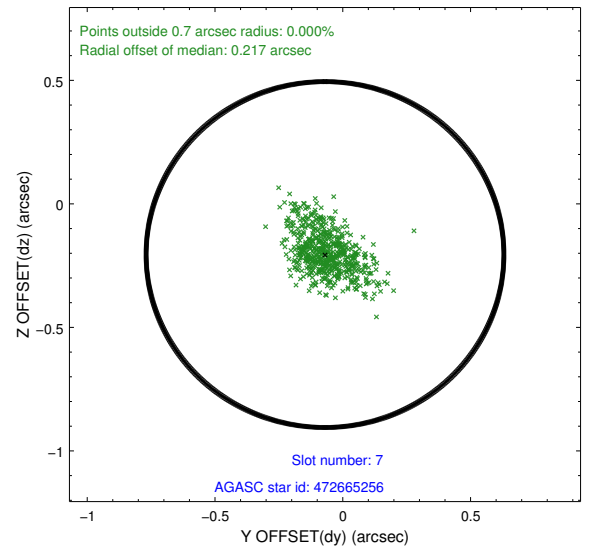
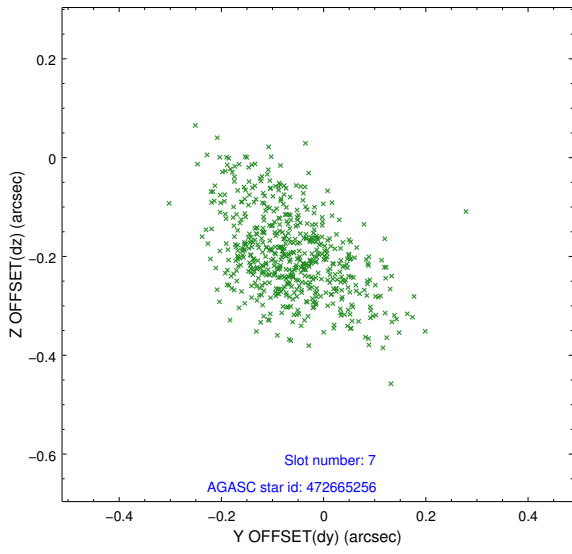
2.4.3 Slot 5



2.4.4 Slot 6

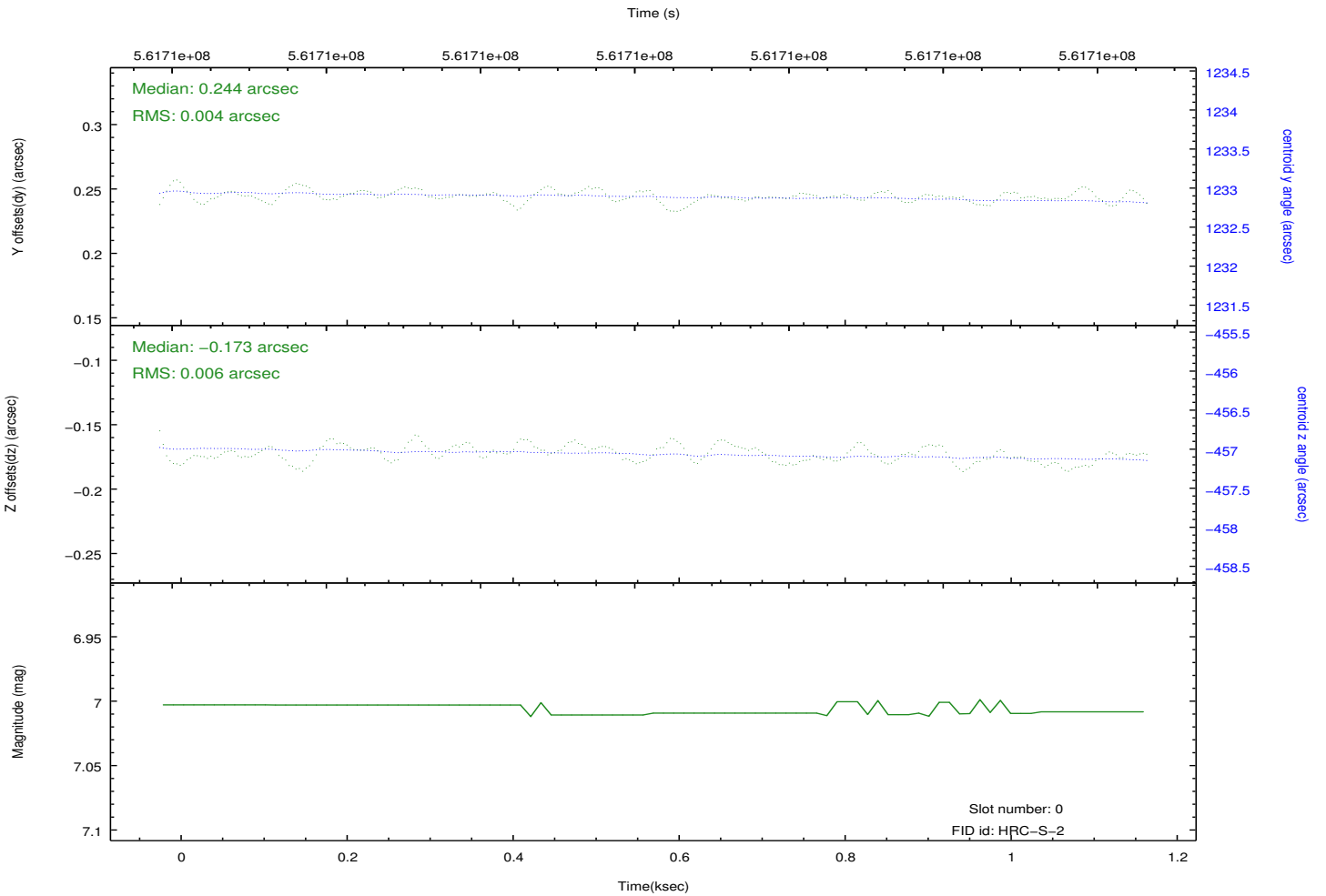
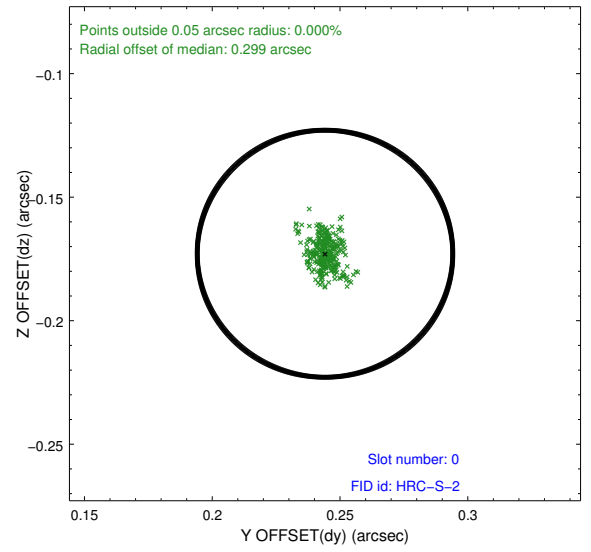
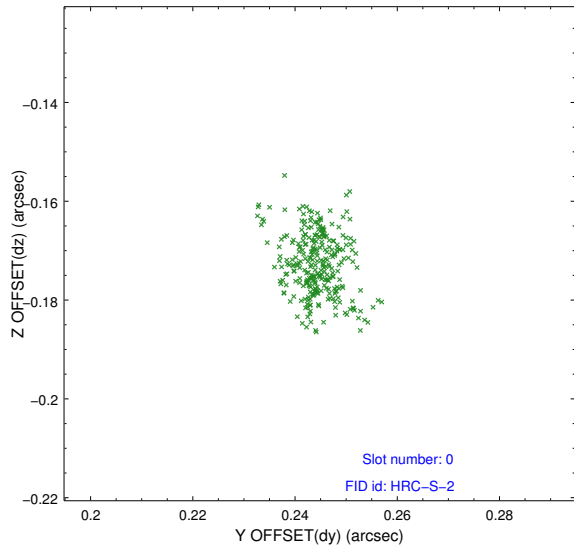


2.4.5 Slot 7

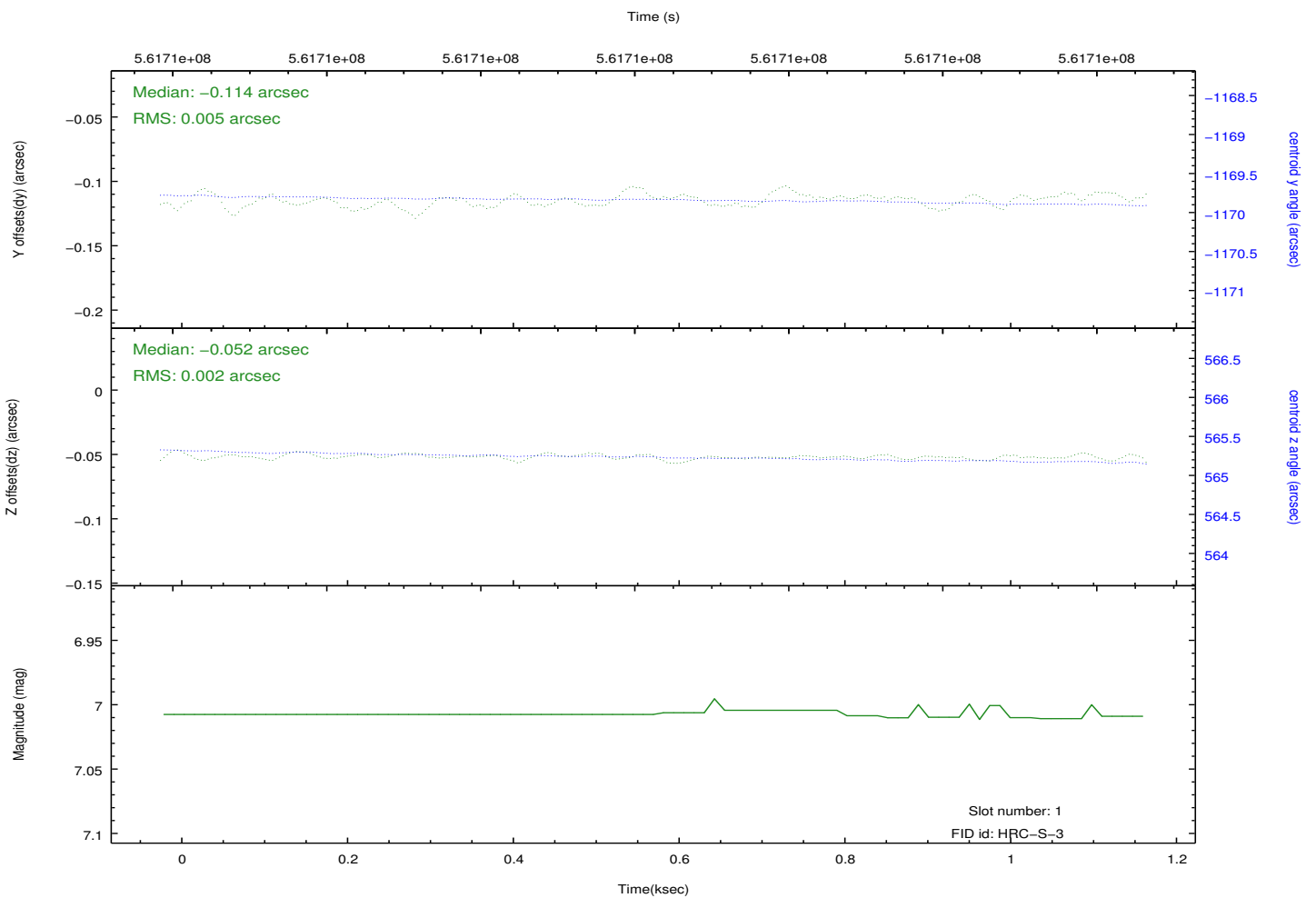
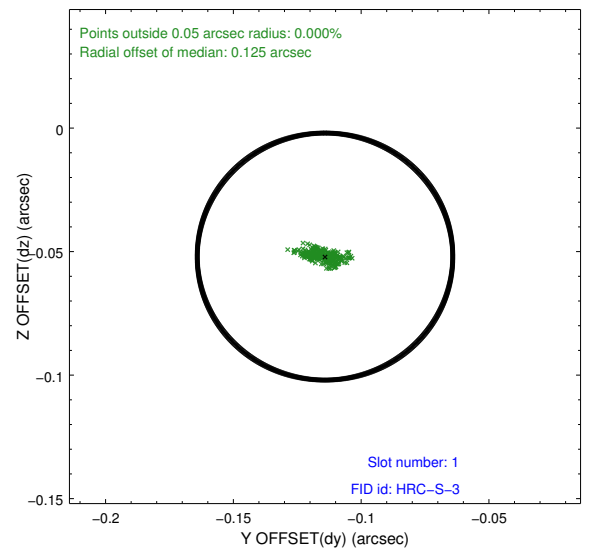
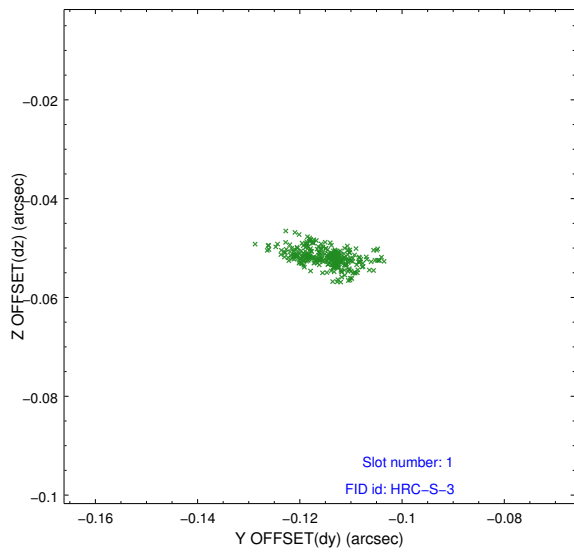


2.5 FID Slots

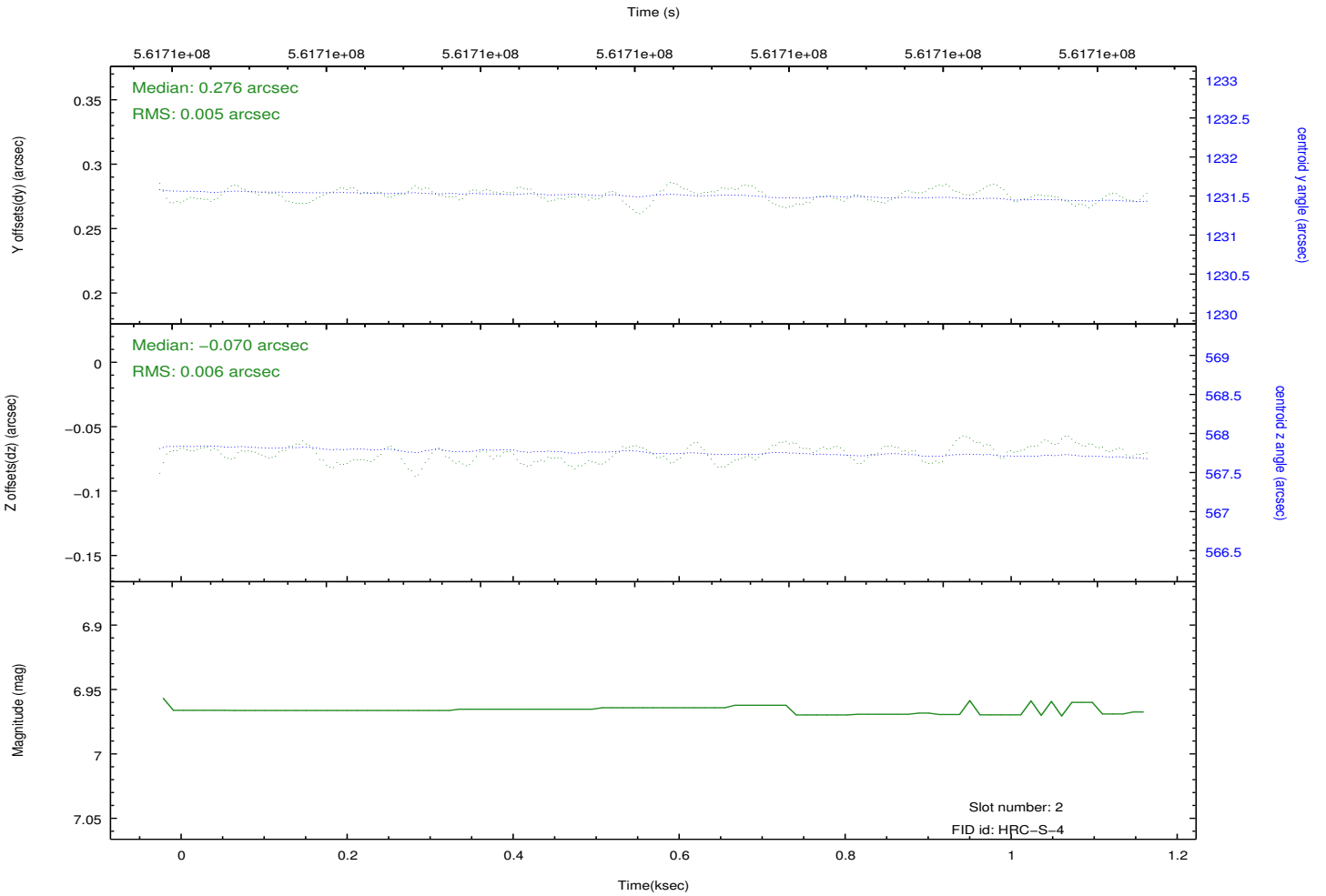
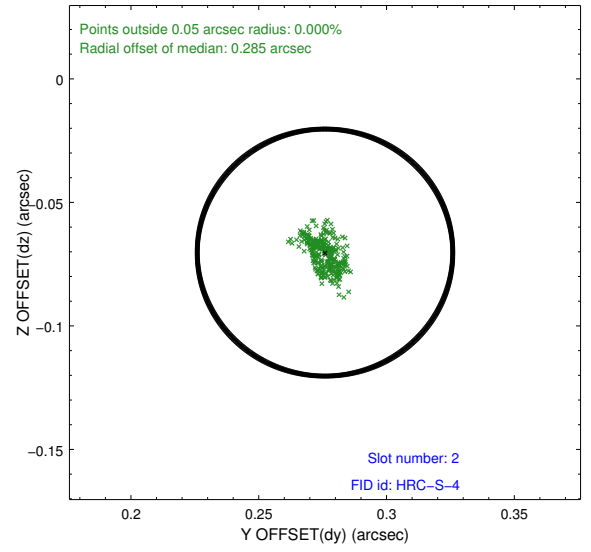
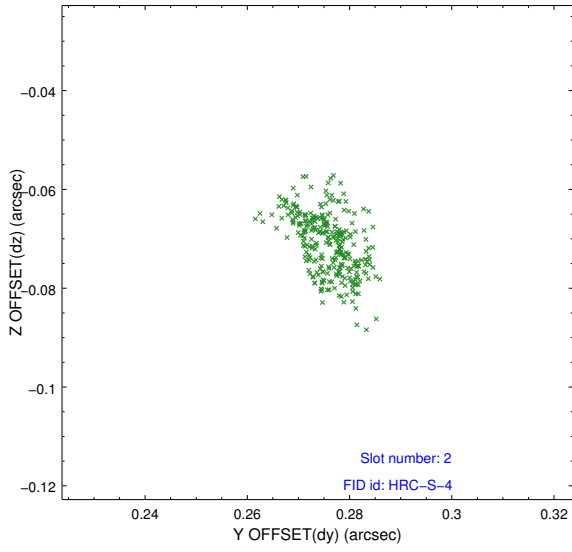
2.5.1 Slot 0



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	1.1615813156366

A.2 Comments