

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18386 - L2 Version 1
Chandra X-Ray Center

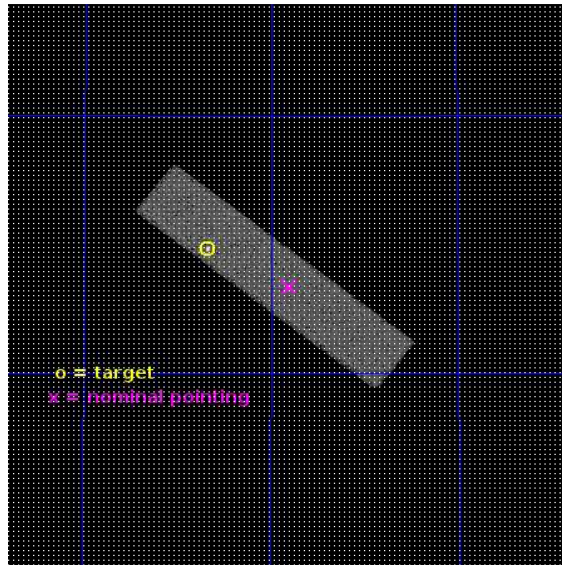
L2 Processing Date : Sep 23 2016

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1 Front

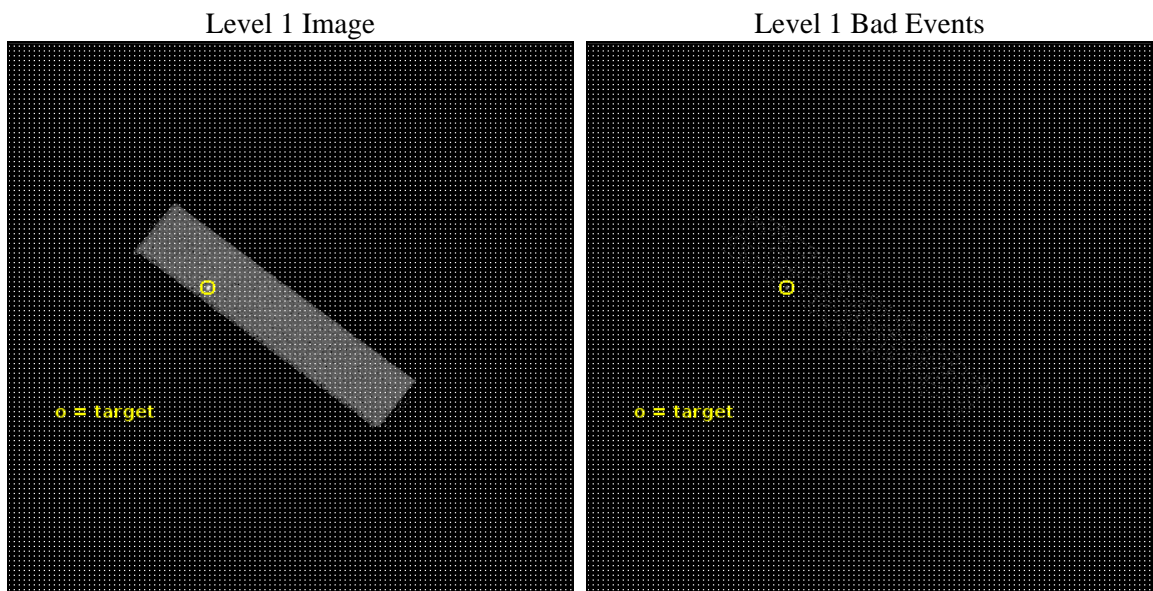
seq_num	291281	Sequence number
obs_id	18386	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.94984911207	Nominal RA [deg]
dec_nom	45.66849010849	Nominal Dec [deg]
roll_nom	217.53979578808	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1190.2813185453	[s]
livetime	1181.5580298201	Ontime multiplied by DTCOR
l2events	67789	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	1190.2813185453	[s]
caldsver	4.7.2	 	l1events	96573	Number of level 1 events
date	2016-09-23T18:39:11	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

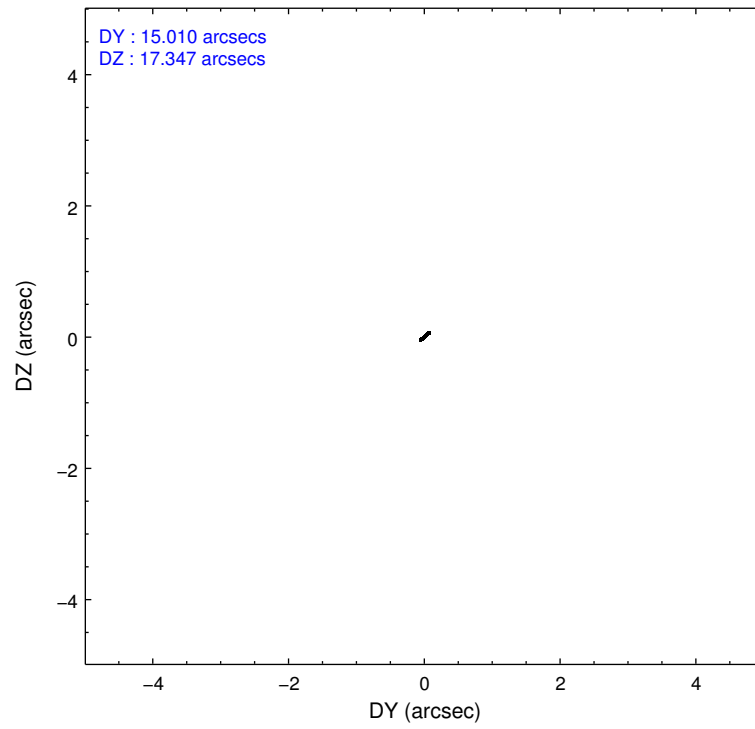
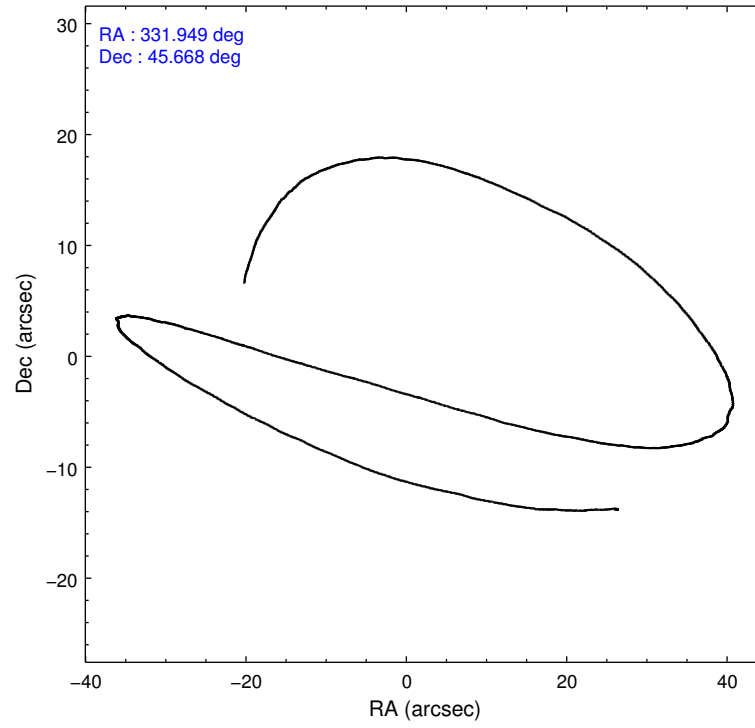
	segment 1	segment 2	segment 3
level 1 events	1	96569	3
rejected events	1	18252	3
rejected %	100%	18%	100%

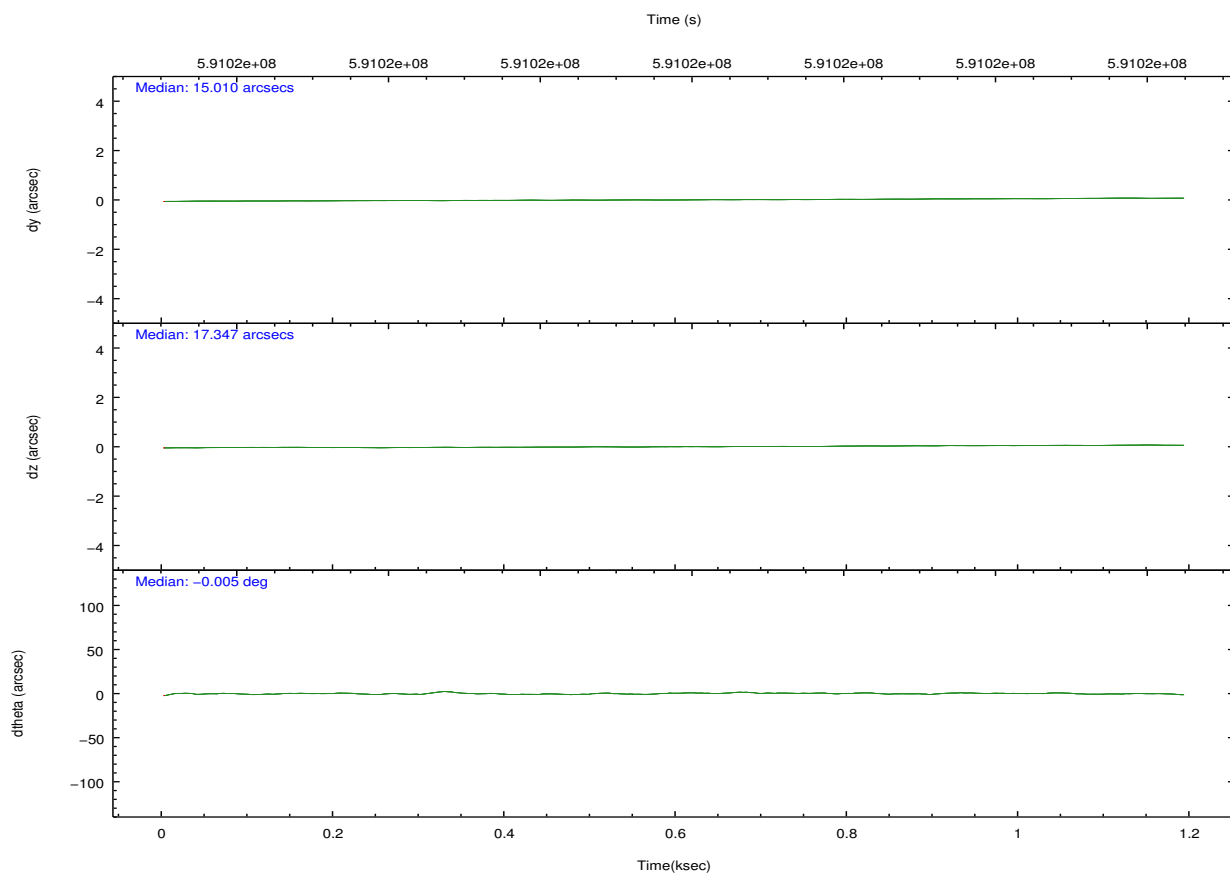
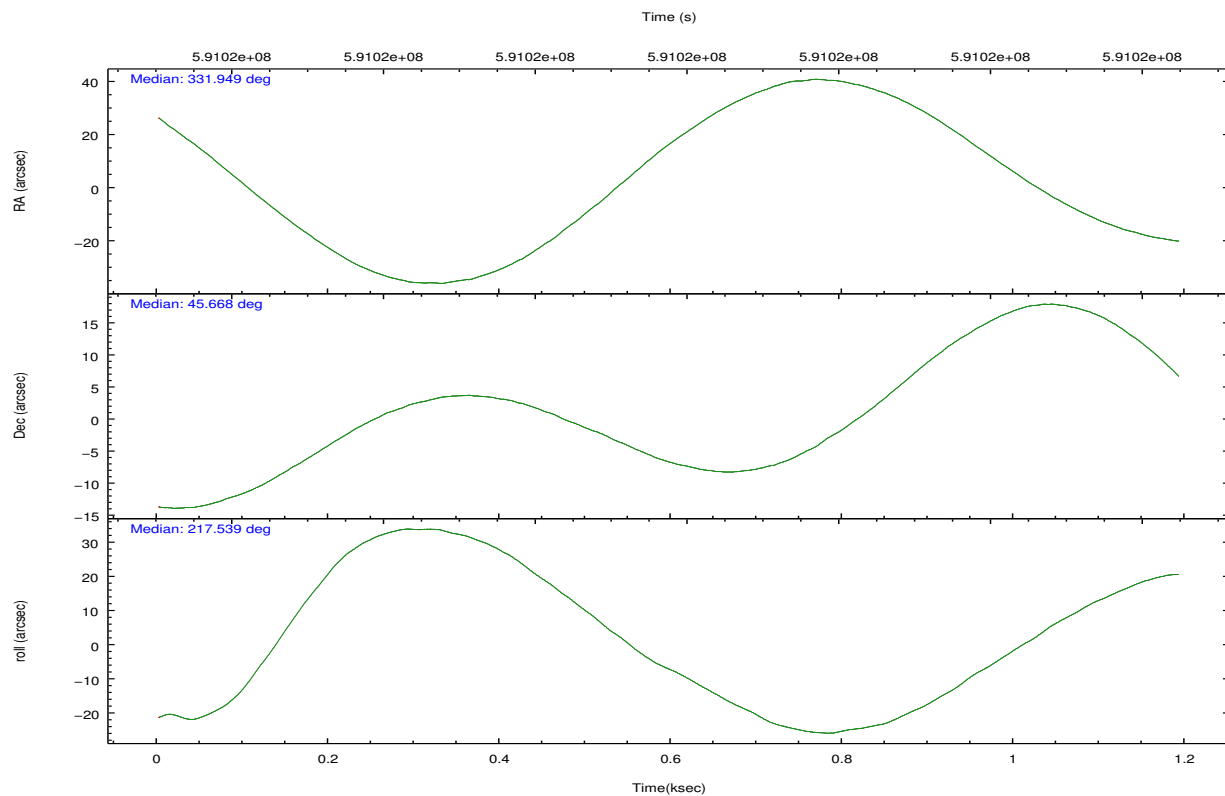
2.2 Compared Parameters

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	331.964290	331.949849112069
[deg] Pointing Dec	45.695308	45.66849010848981
[deg] Pointing Roll	217.462131	217.5397957880834
[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)	591015362.184000	591014985.99195
Observation start date	2016-09-23T10:54:54	2016-09-23T10:49:45
[s] Observation end time (MET)	591016362.184000	591017887.25462
Observation end date	2016-09-23T11:11:34	2016-09-23T11:38:07

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

2.3 Aspect



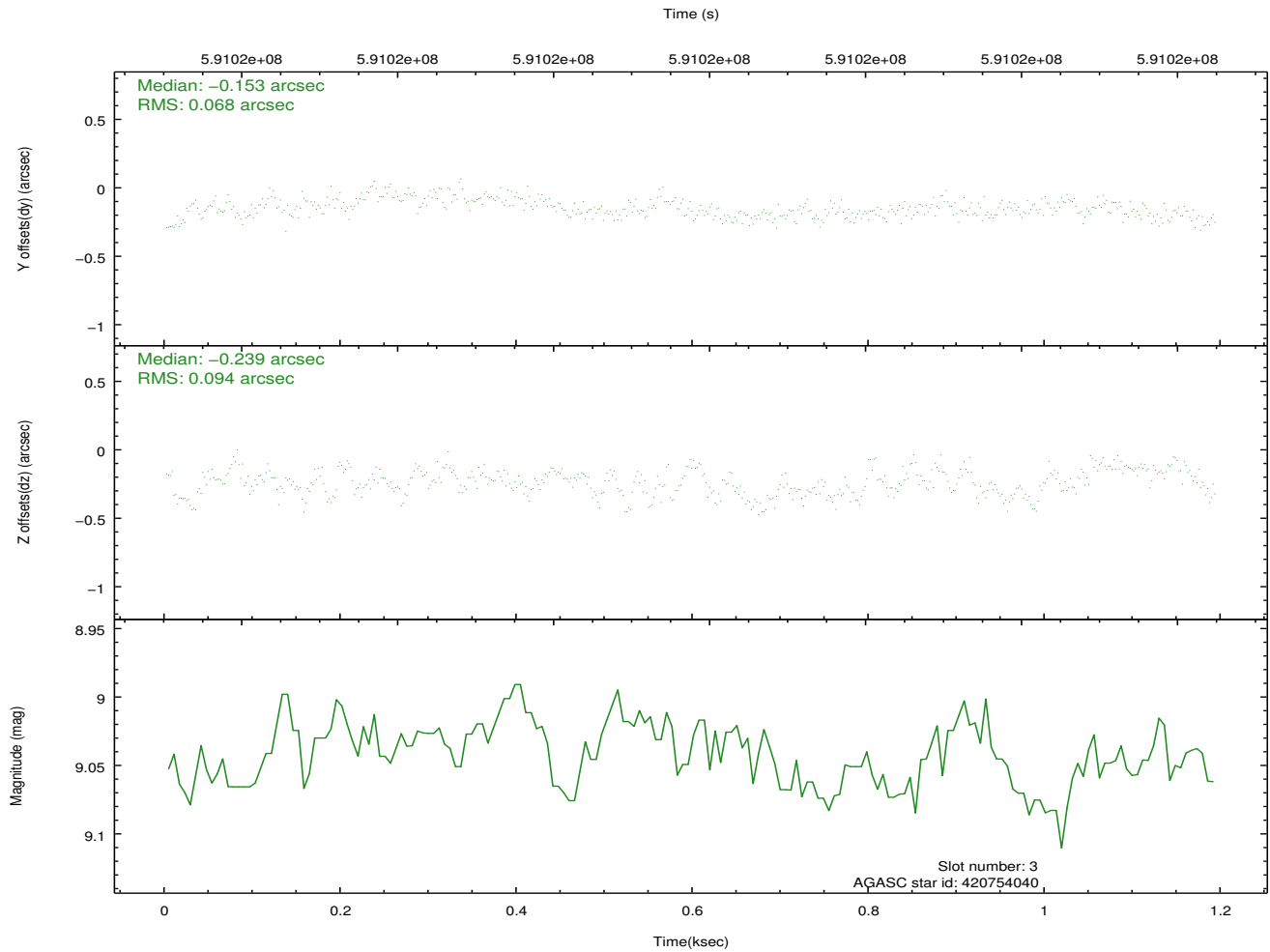
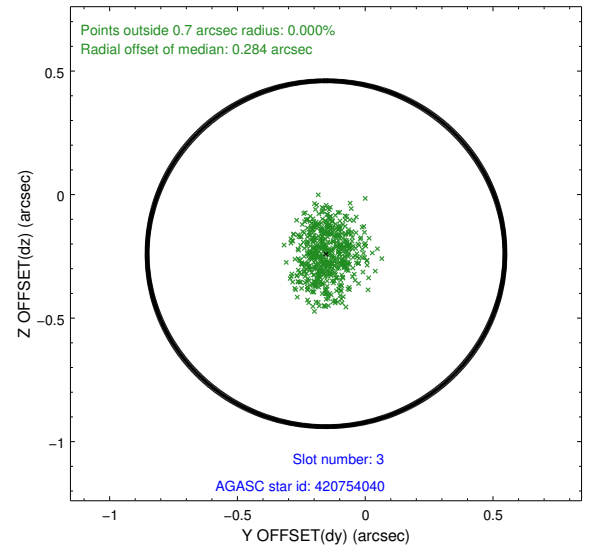
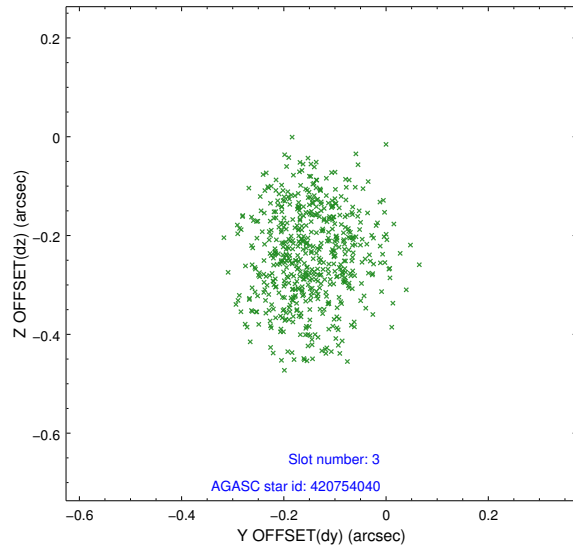


Slot Statistics

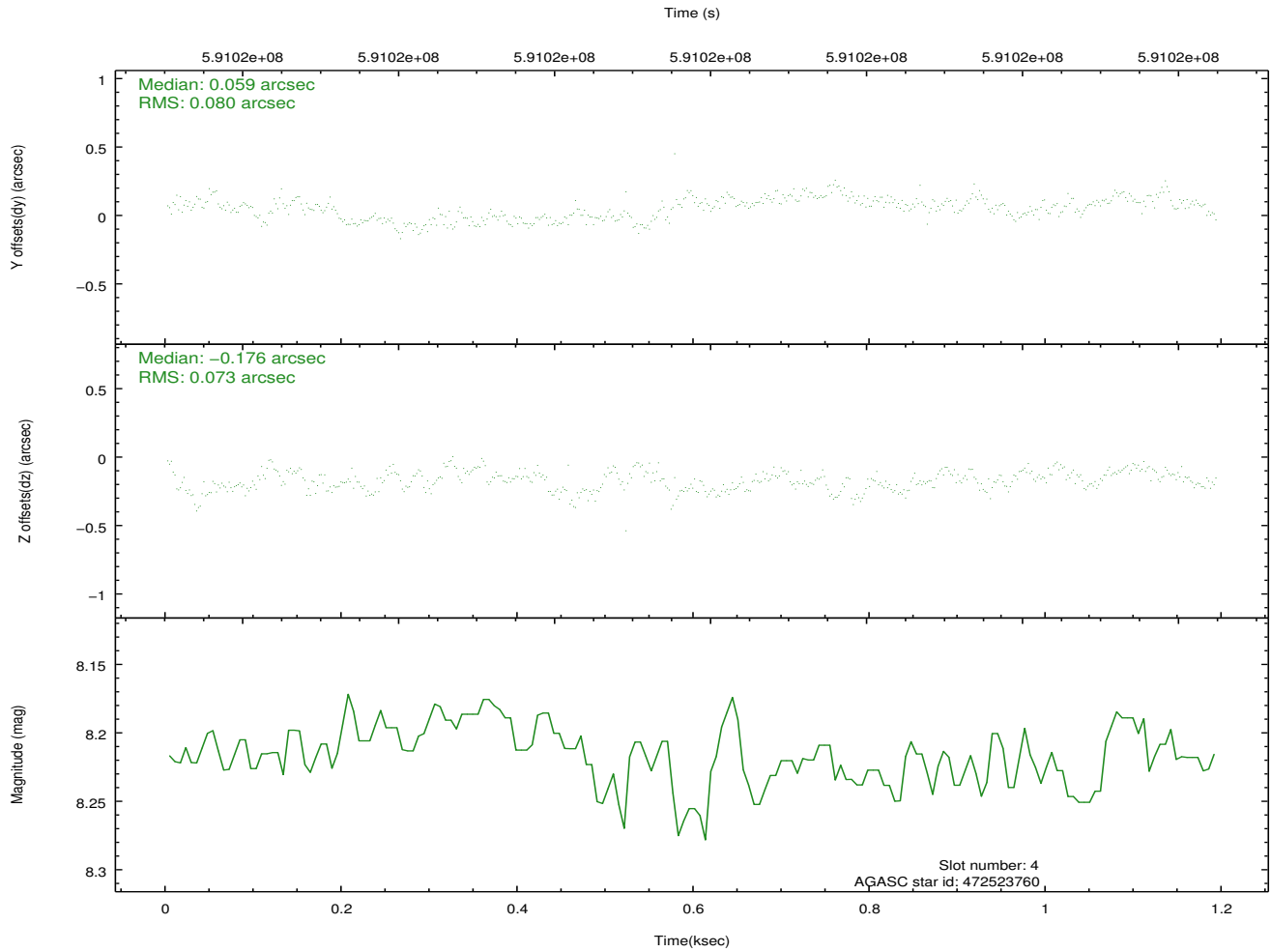
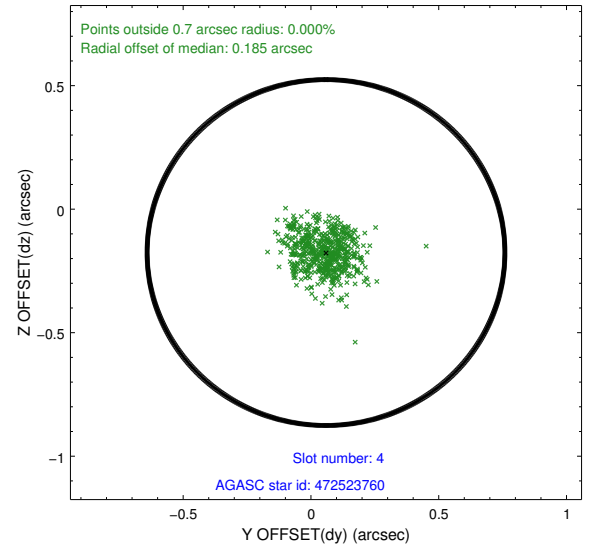
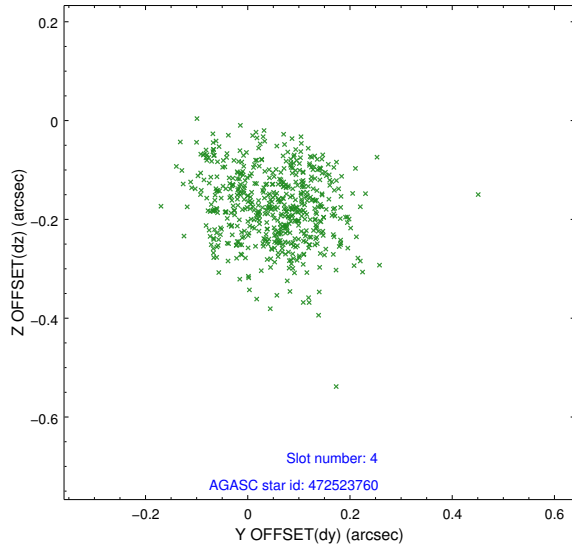
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.08	291	-0.046	-0.196	0.007	0.016	0.000000	0.000000	-1169.51	-466.30
1	FID		HRC-S-2	7.06	291	0.369	-0.126	0.005	0.008	0.000000	0.000000	1226.55	-460.39
2	FID		HRC-S-3	7.06	291	0.067	0.021	0.008	0.013	0.000000	0.000000	-1167.94	561.86
3	GUIDE	used	420754040	9.04	582	-0.153	-0.239	0.126	0.193	331.917939	44.882543	1871.61	2253.07
4	GUIDE	used	472523760	8.22	582	0.059	-0.176	0.116	0.180	331.645363	45.403260	1281.94	348.67
5	GUIDE	used	472527720	7.01	582	-0.302	-0.042	0.099	0.166	331.460205	45.112509	2292.25	885.86
6	GUIDE	used	472533912	9.12	582	0.332	0.391	0.139	0.237	331.791136	46.368695	-1128.98	-2182.31
7	GUIDE	used	472655152	9.39	580	0.065	0.056	0.157	0.258	332.504239	45.862991	-1446.15	339.04

2.4 Star Slots

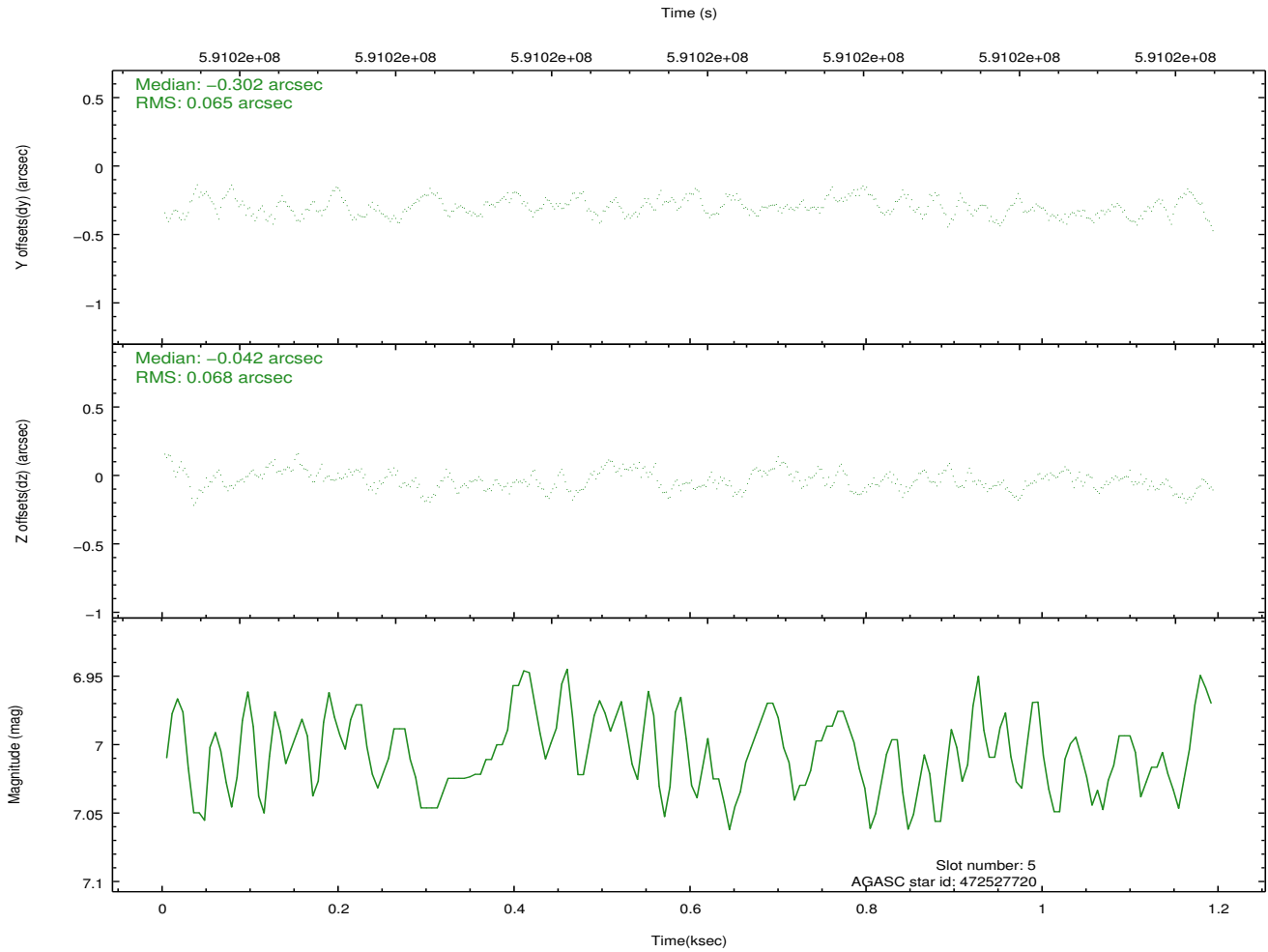
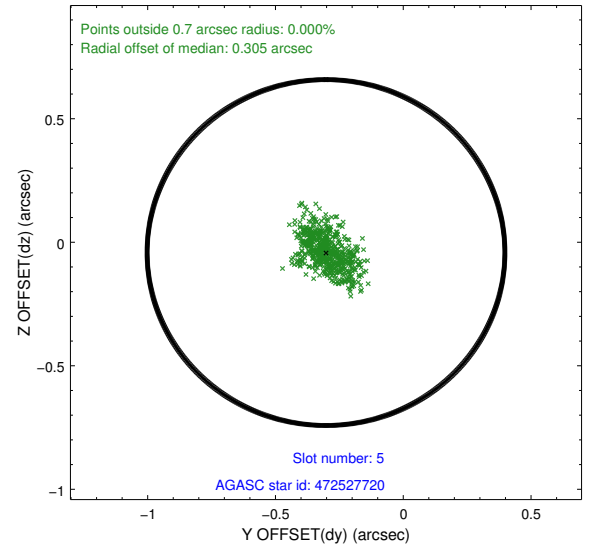
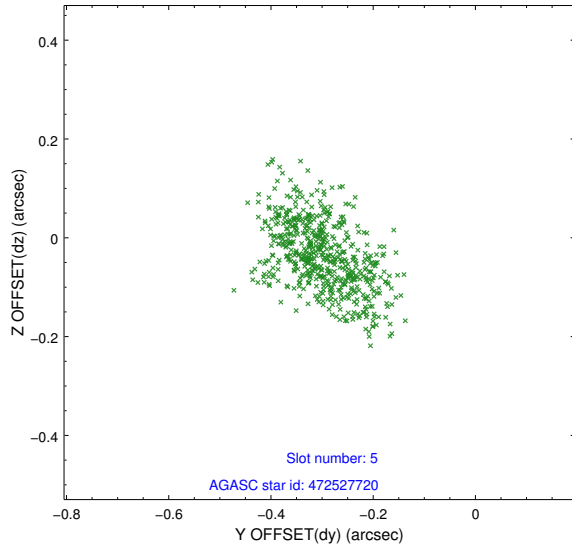
2.4.1 Slot 3



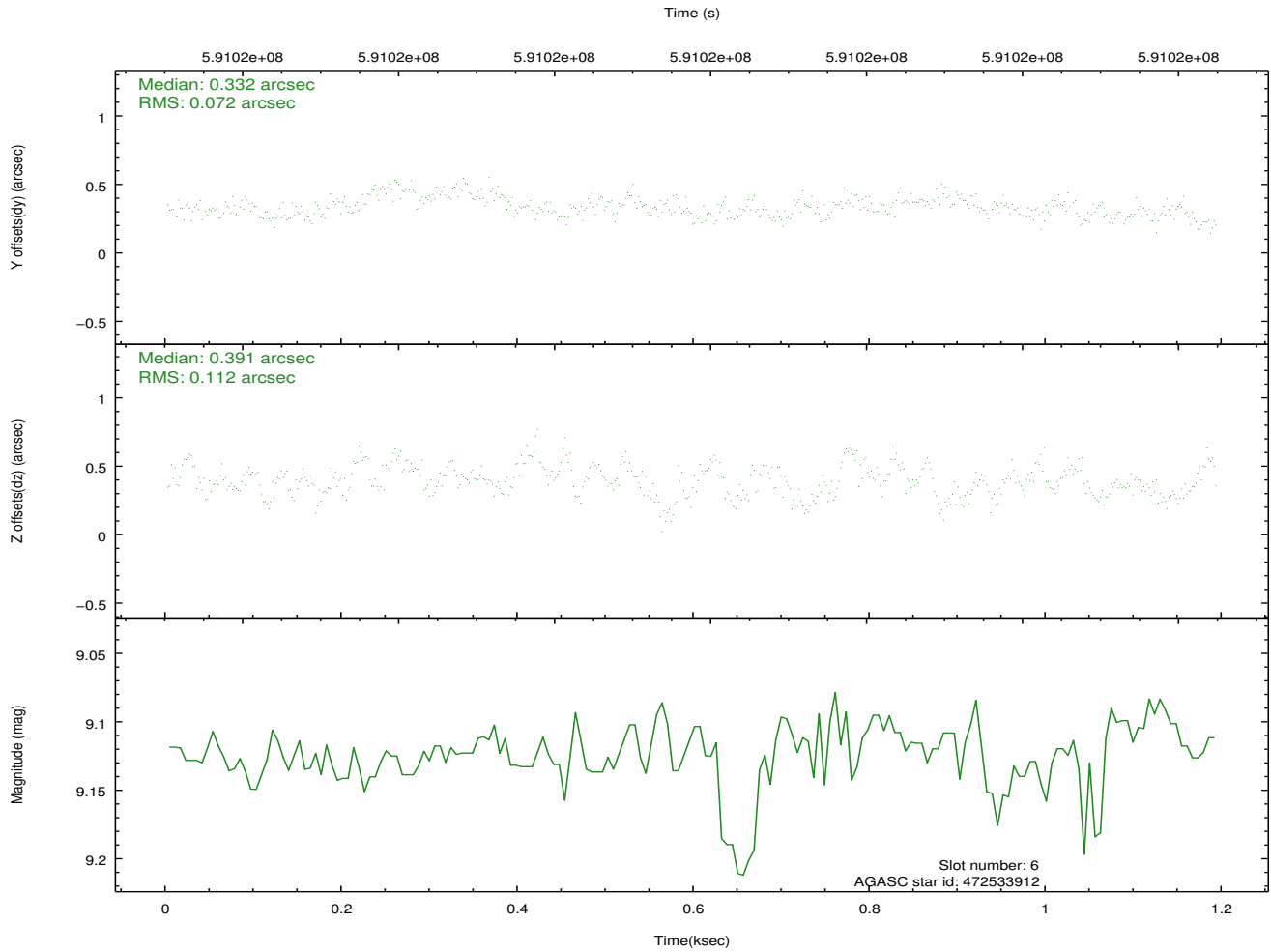
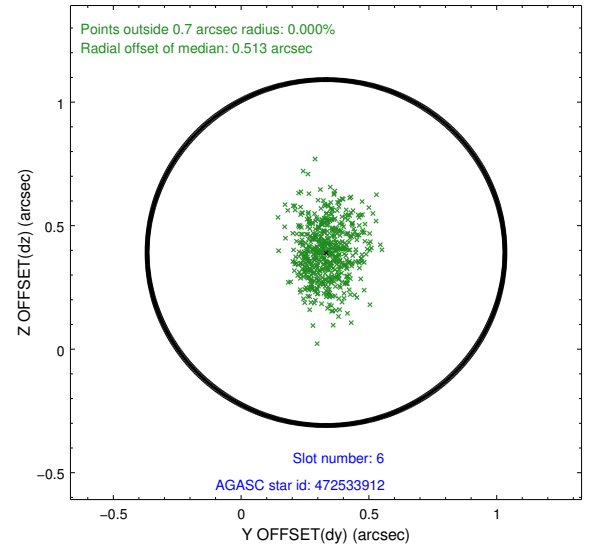
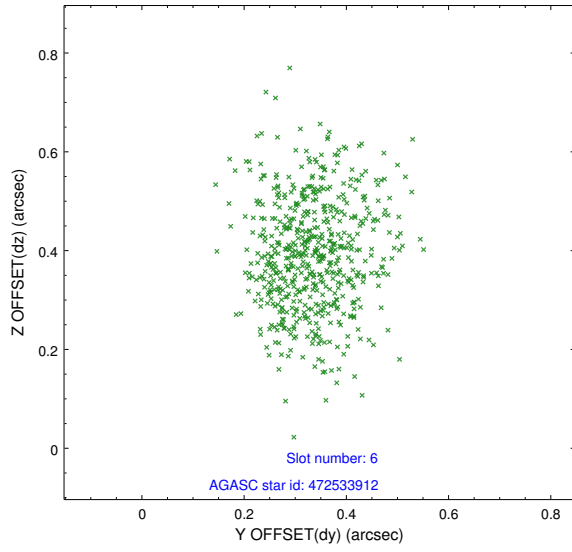
2.4.2 Slot 4



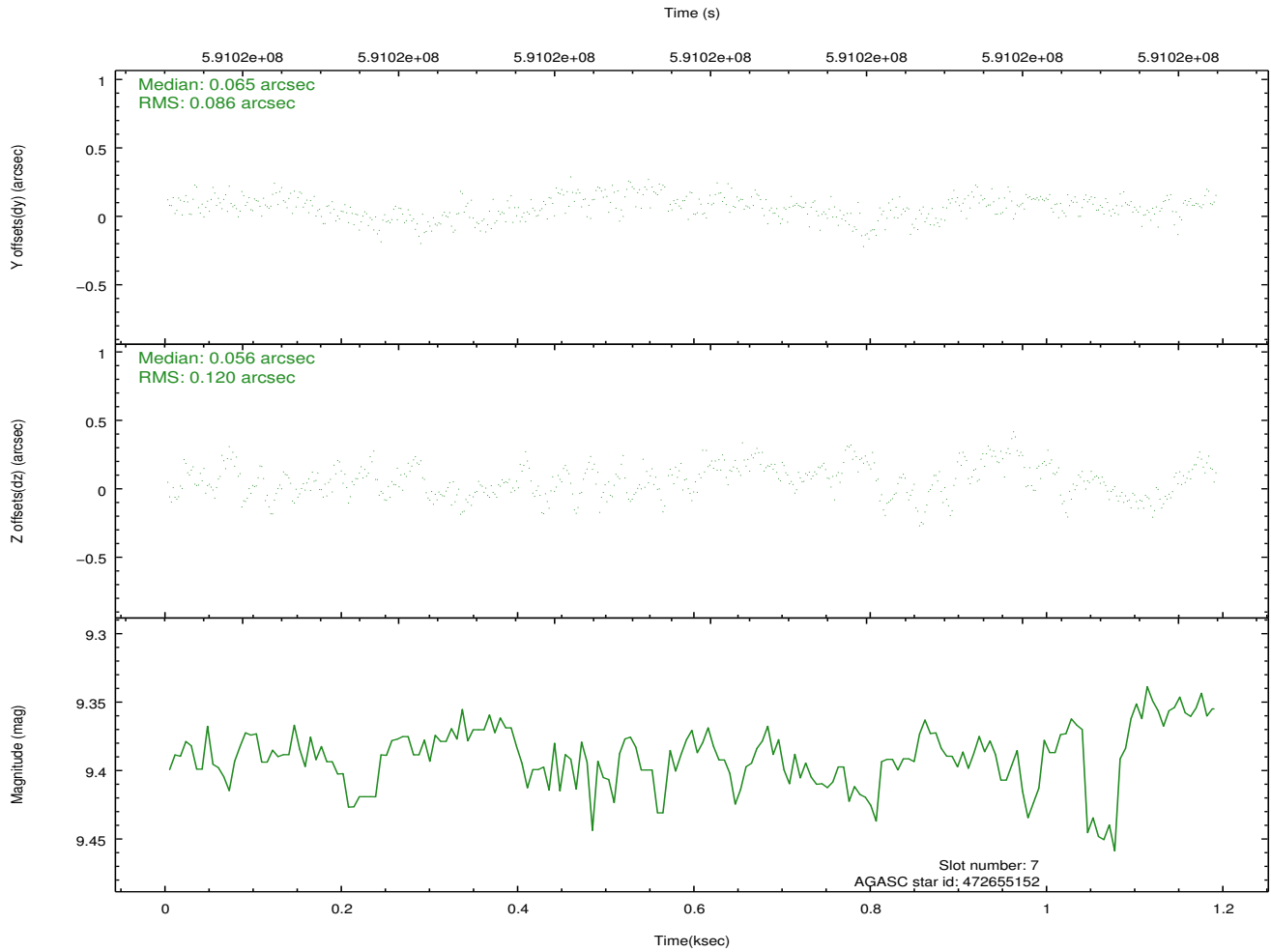
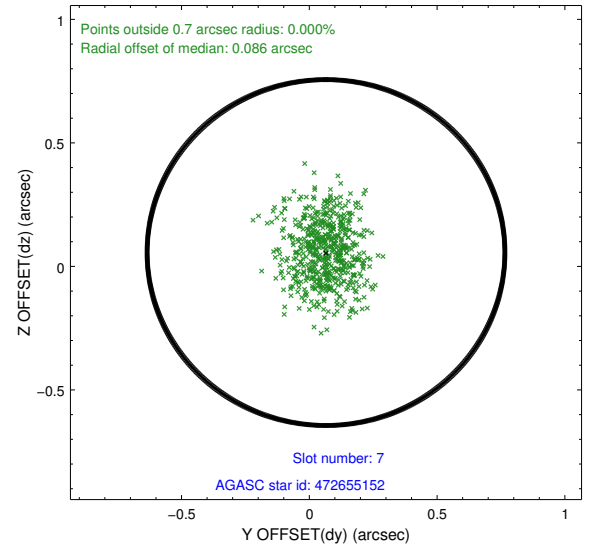
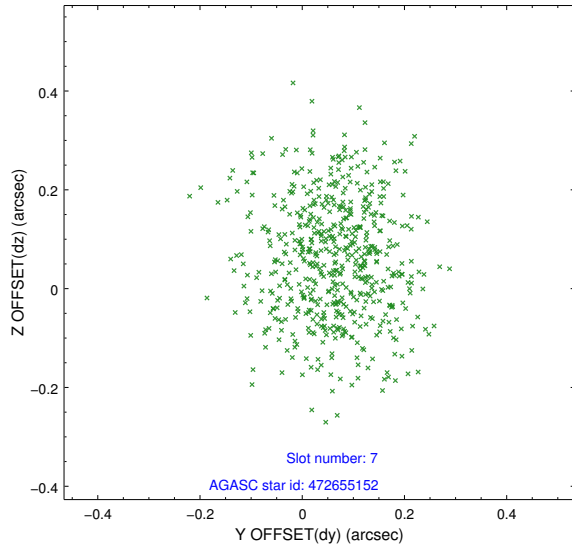
2.4.3 Slot 5



2.4.4 Slot 6

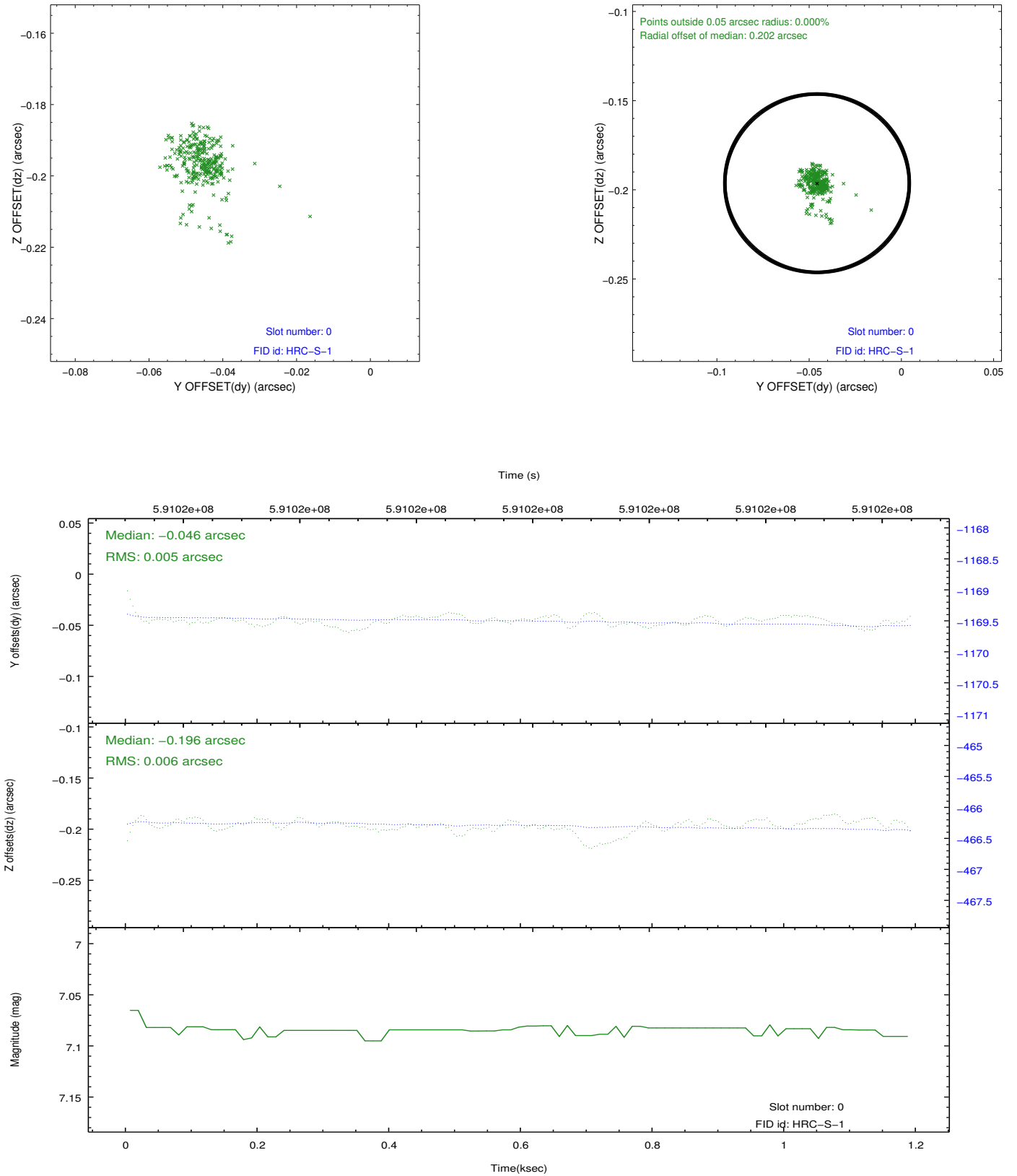


2.4.5 Slot 7

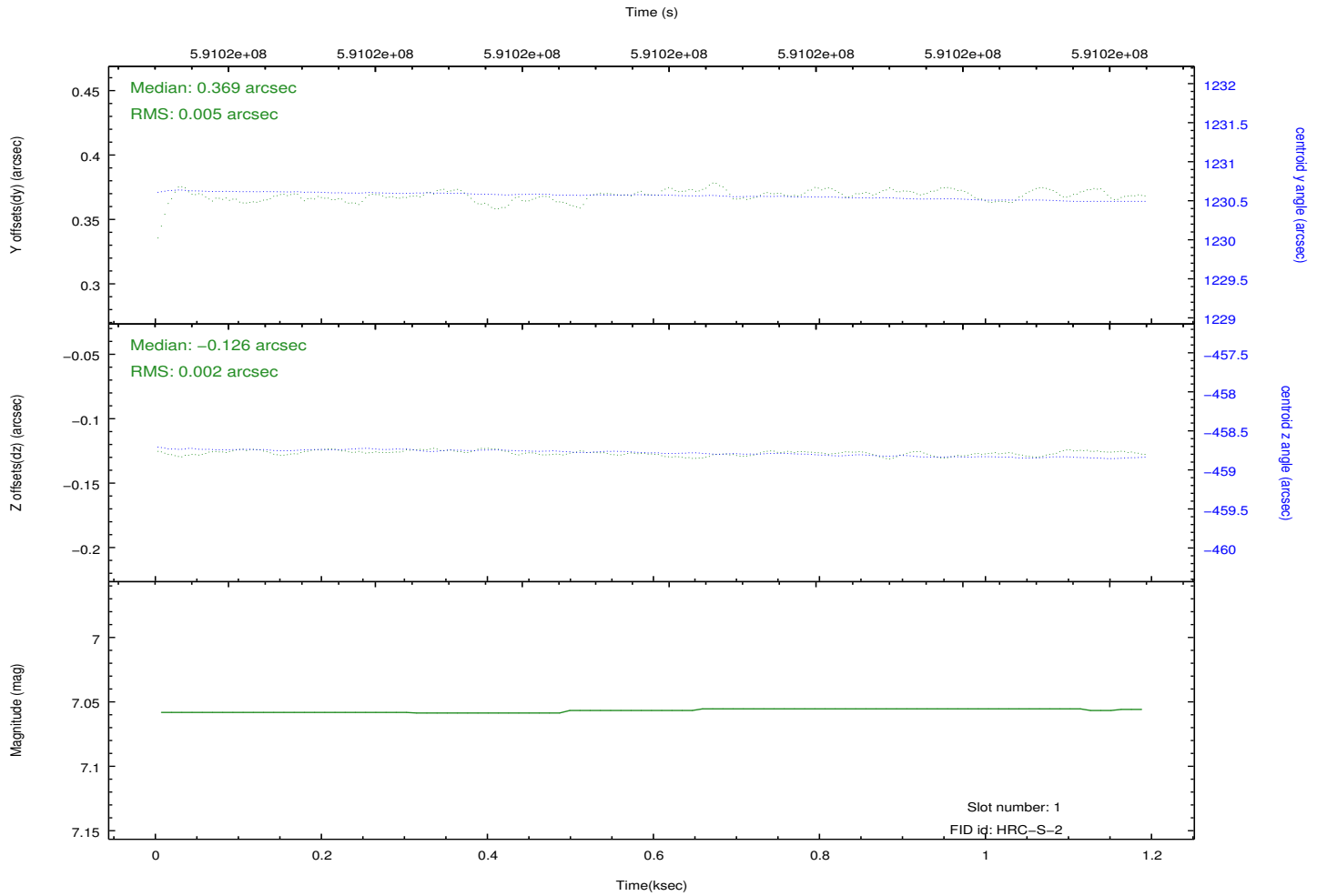
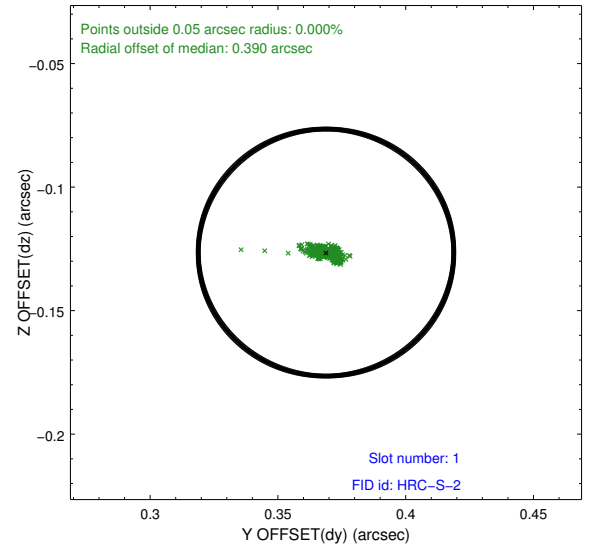
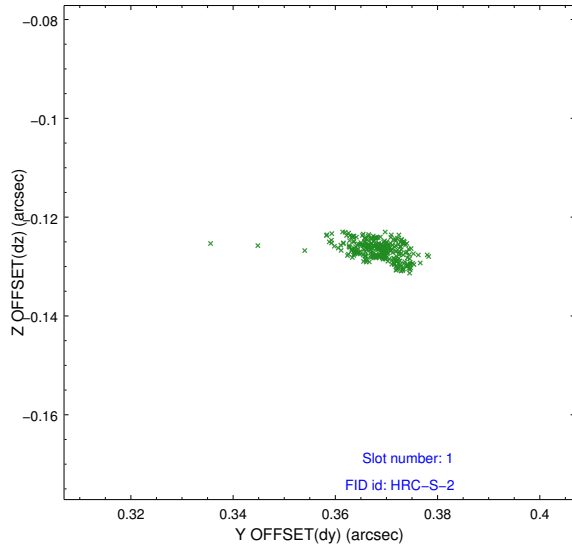


2.5 FID Slots

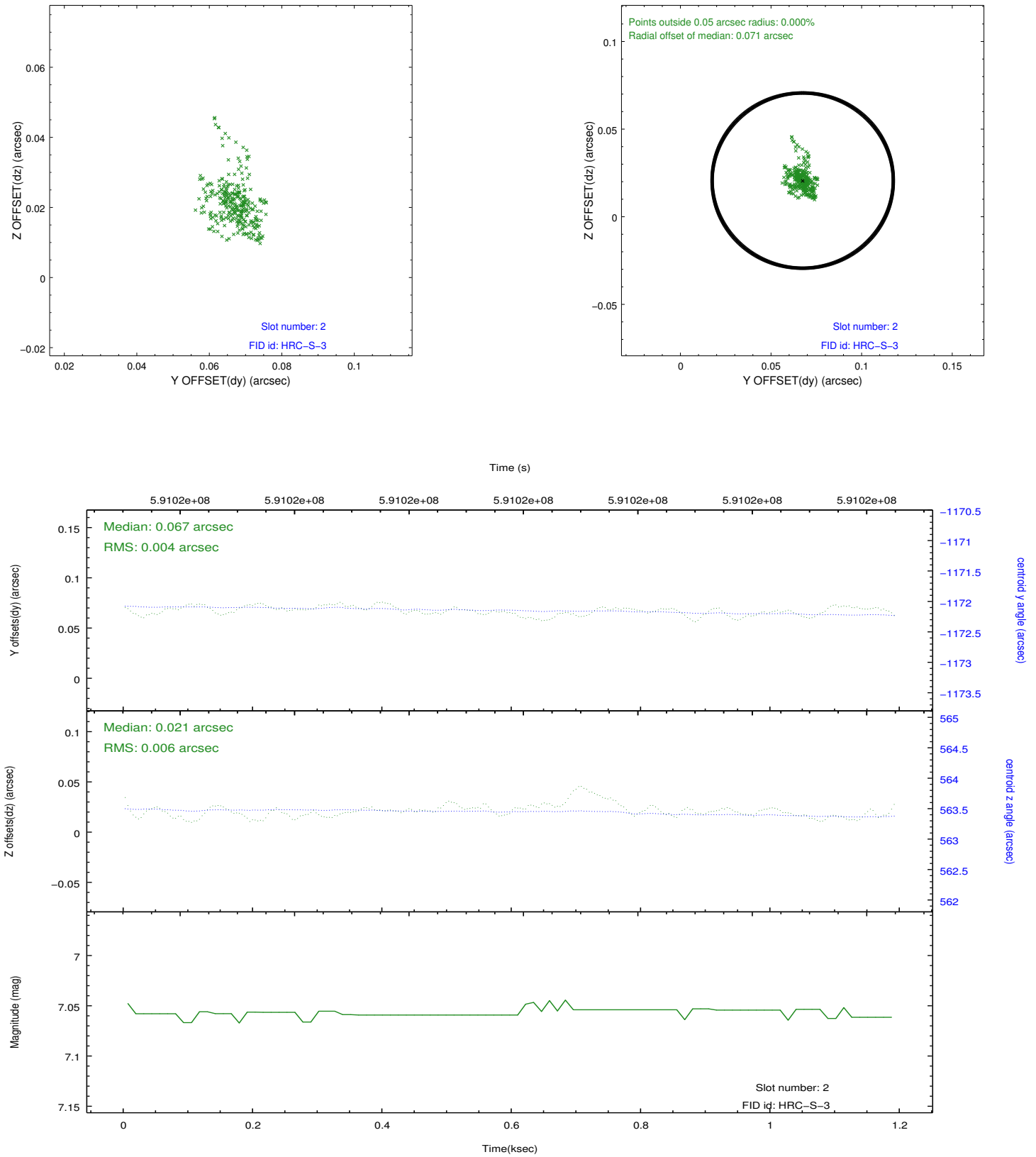
2.5.1 Slot 0



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	1.1902813185453

A.2 Comments