

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18397 - L2 Version 1
Chandra X-Ray Center

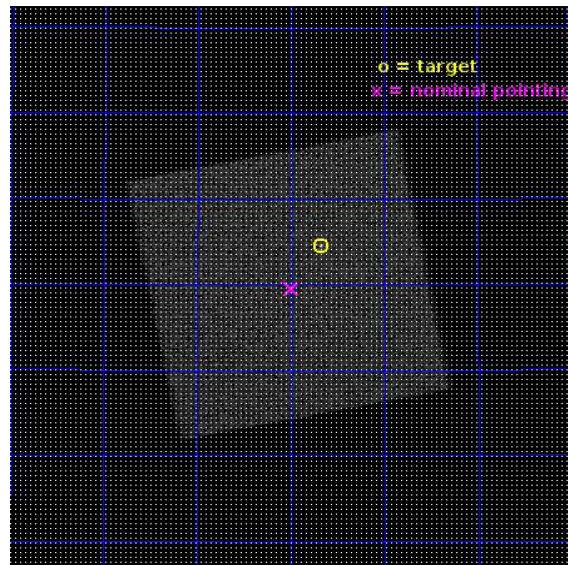
L2 Processing Date : Sep 21 2016

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1 Front

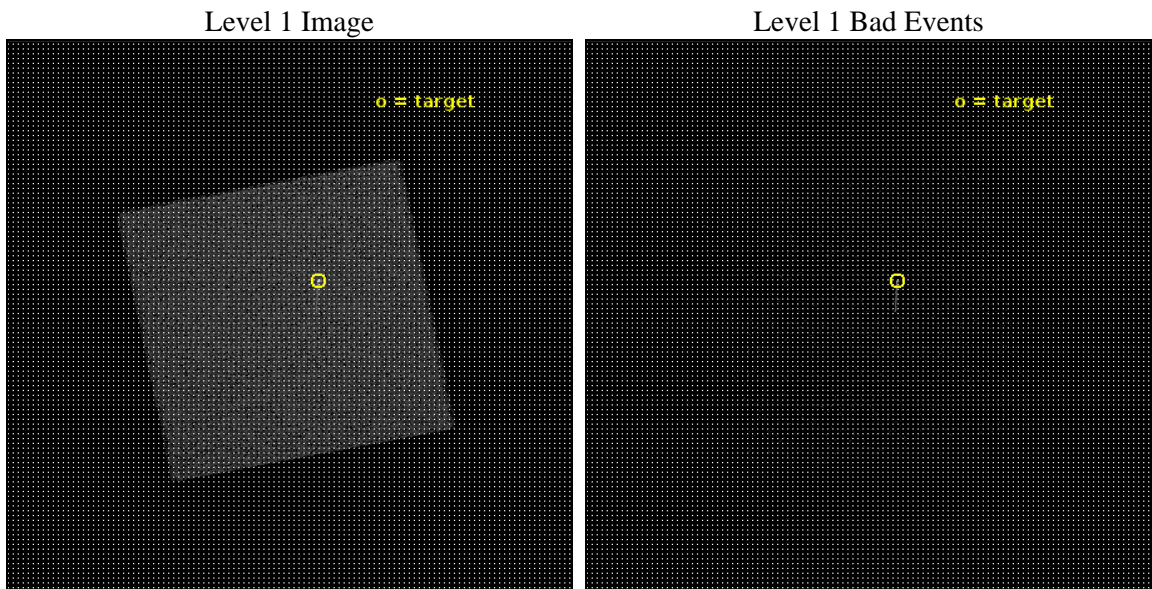
seq_num	291292	Sequence number
obs_id	18397	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24806970742	Nominal RA [deg]
dec_nom	45.658820599297	Nominal Dec [deg]
roll_nom	213.80528887028	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1181.8250681162	[s]
livetime	1168.2334764391	Ontime multiplied by DTCOR
l2events	114772	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	1181.8250681162	[s]
caldsver	4.7.2	 	l1events	192949	Number of level 1 events
date	2016-09-21T12:43:53	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

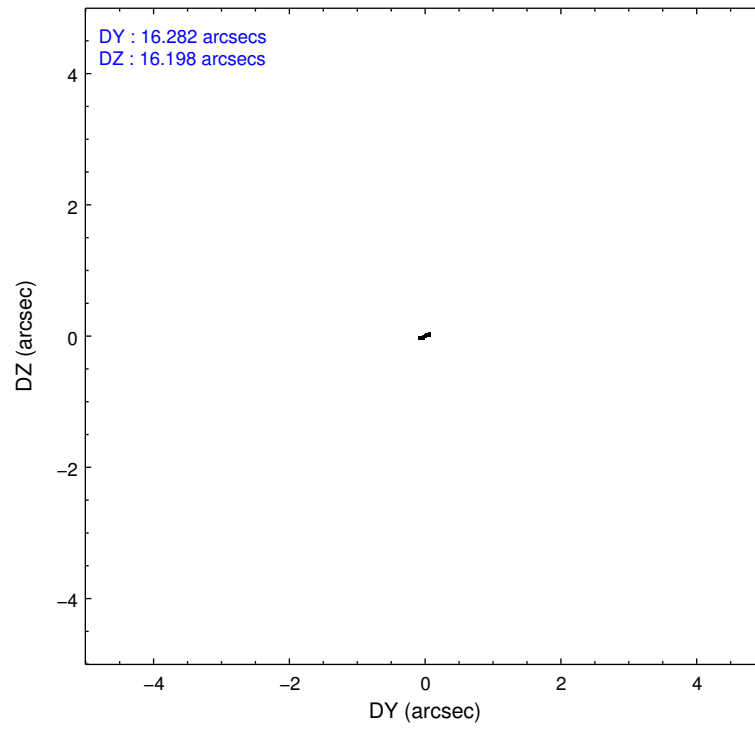
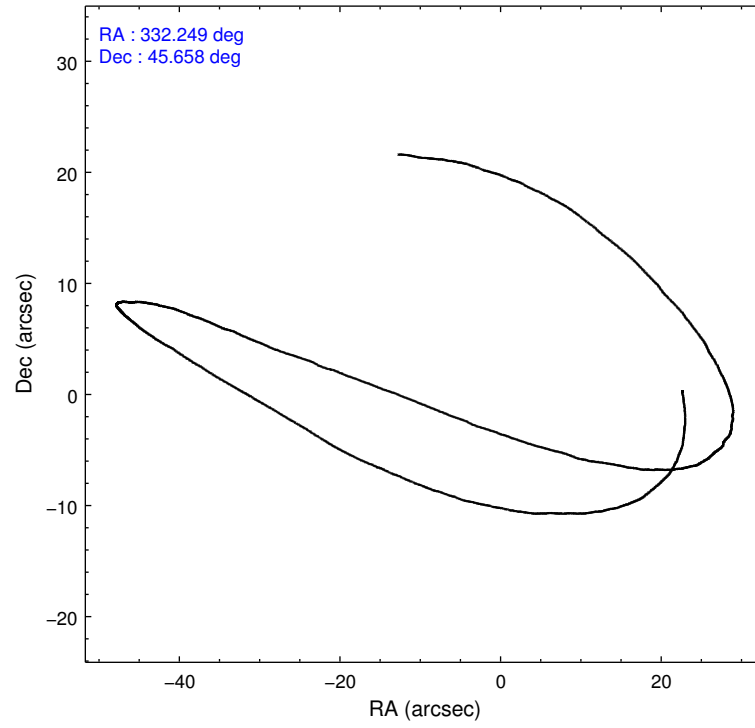
	segment 0
level 1 events	192949
rejected events	41783
rejected %	21%

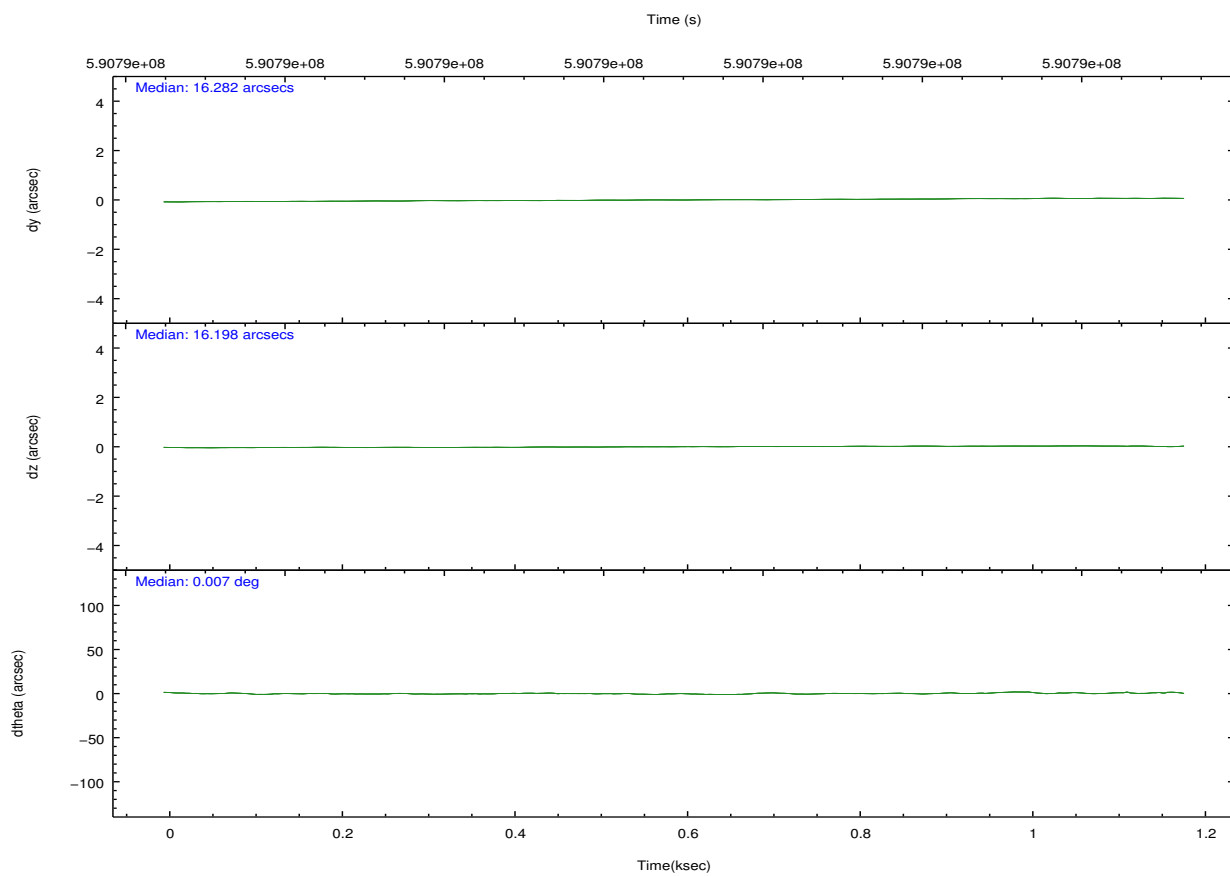
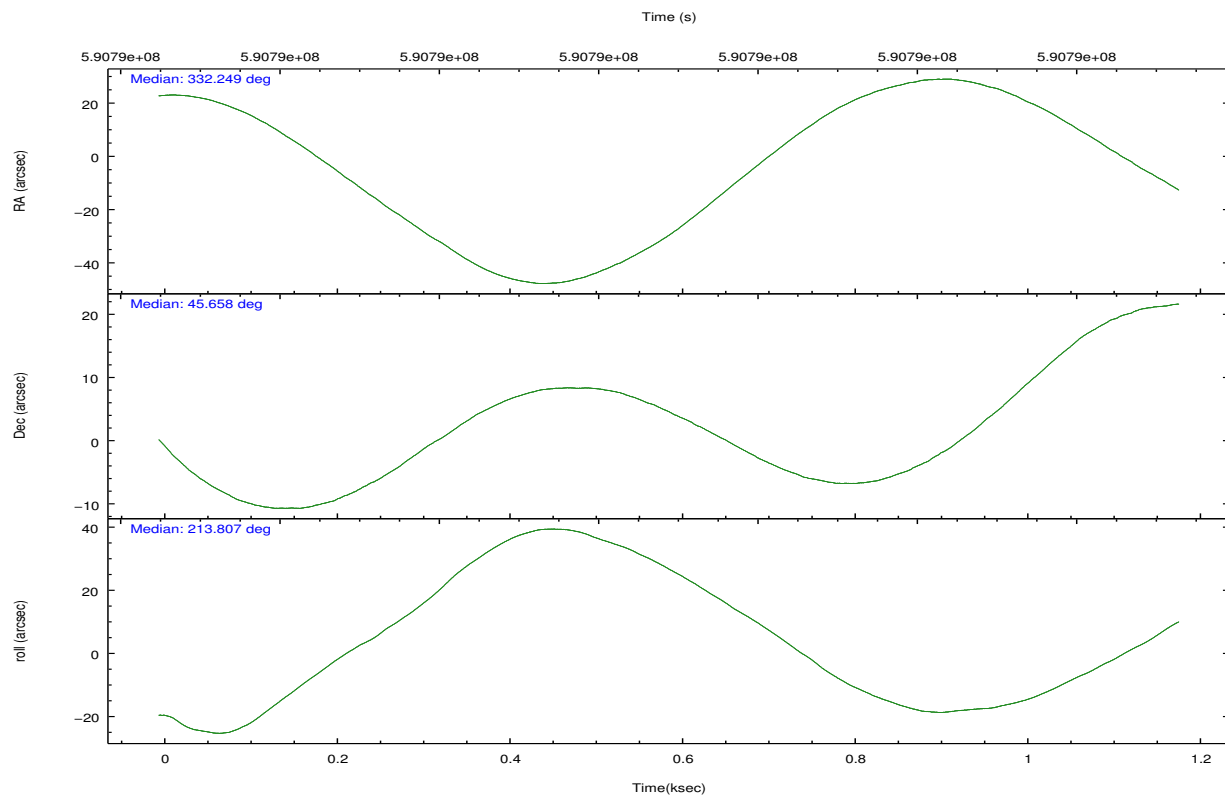
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.263751	332.248069707423
[deg] Pointing Dec	45.683959	45.65882059929721
[deg] Pointing Roll	213.889557	213.8052888702834
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	590791087.184000	590790711.36656
Observation start date	2016-09-20T20:36:59	2016-09-20T20:31:51
[s] Observation end time (MET)	590792087.184000	590792221.70415
Observation end date	2016-09-20T20:53:39	2016-09-20T20:57:01

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

2.3 Aspect



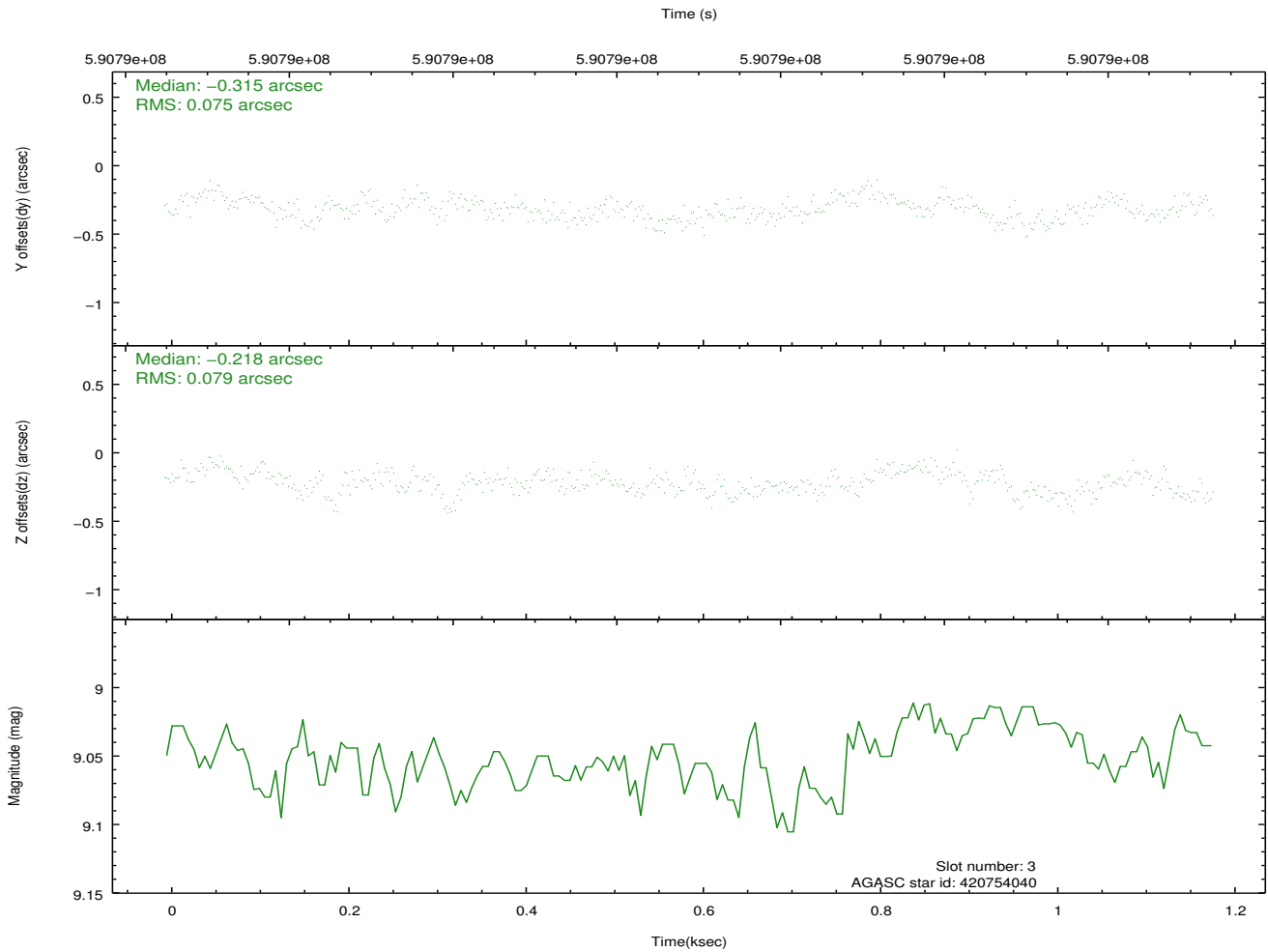
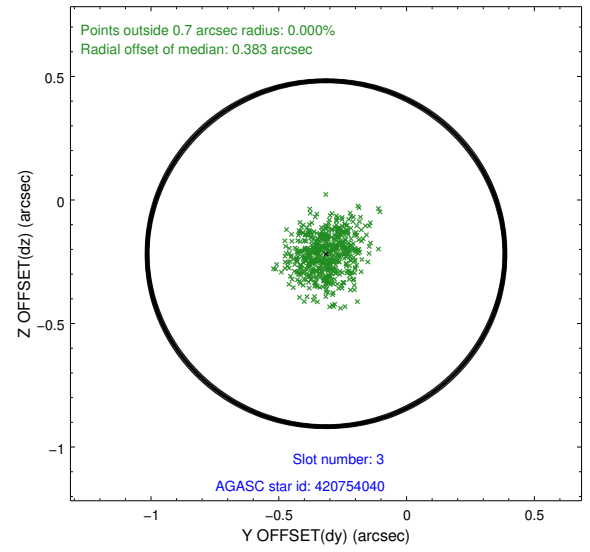
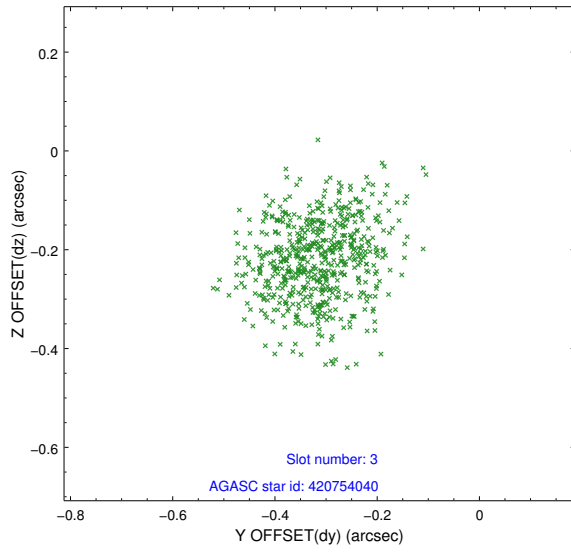


Slot Statistics

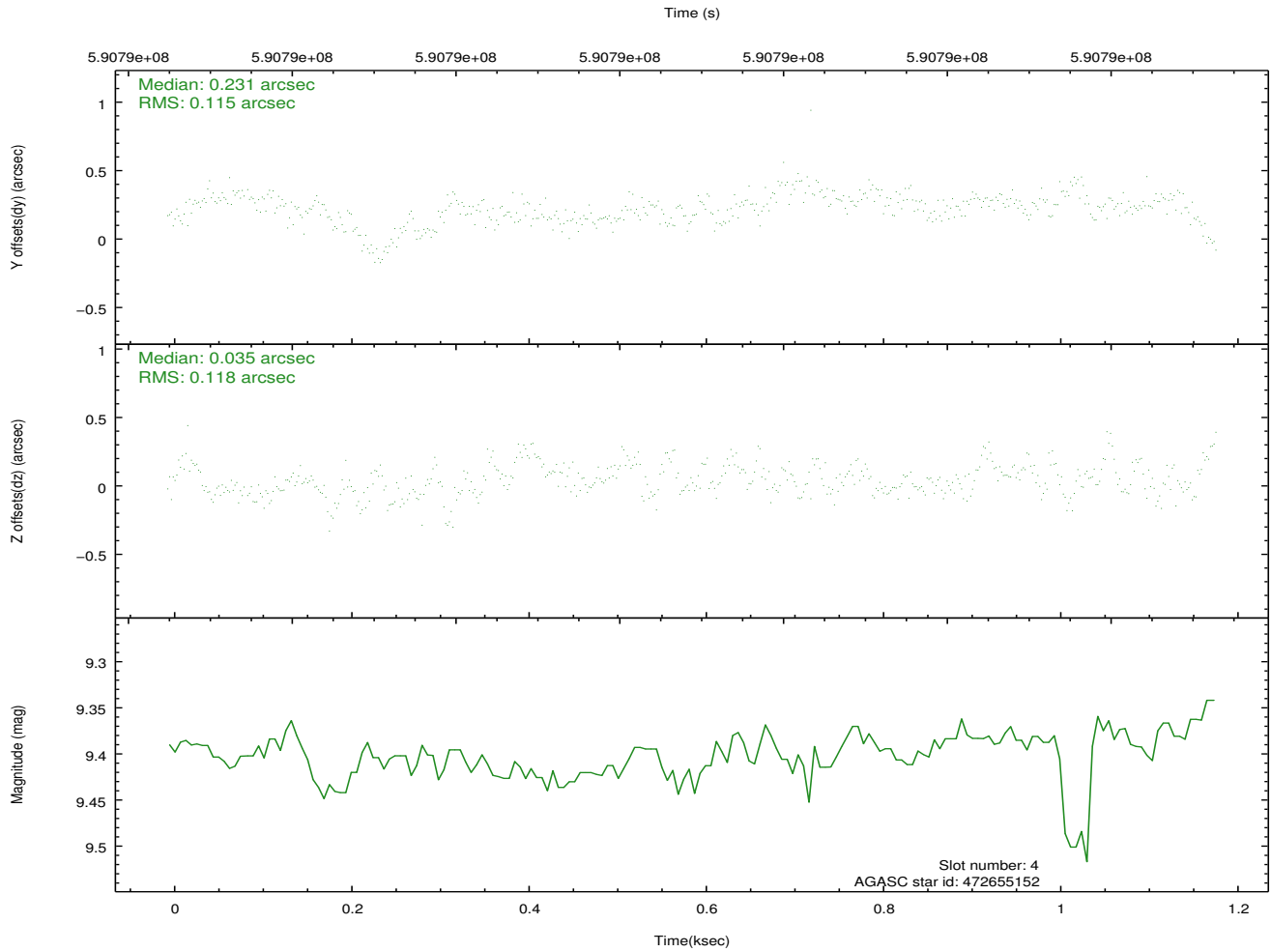
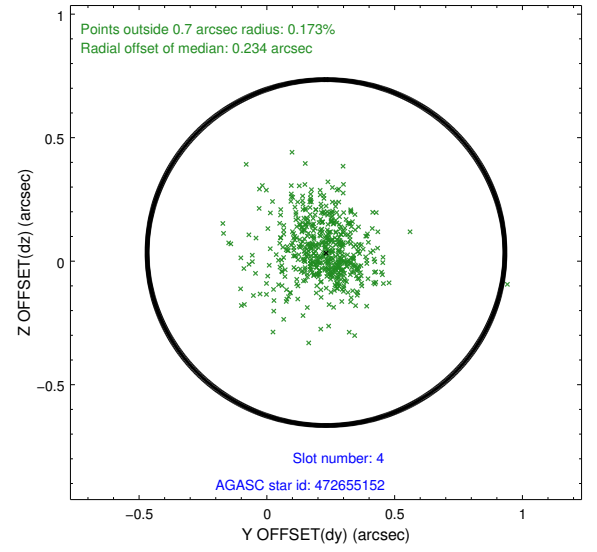
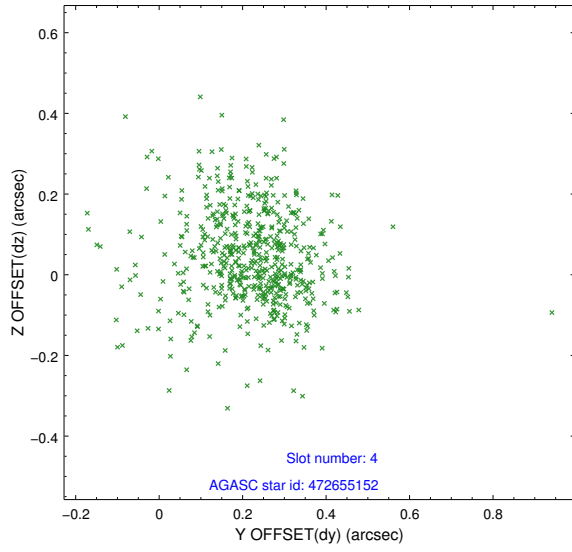
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.04	289	-0.201	-0.030	0.008	0.017	0.000000	0.000000	-772.28	-1304.36
1	FID		HRC-I-2	7.06	289	0.370	-0.133	0.007	0.013	0.000000	0.000000	838.25	-1310.50
2	FID		HRC-I-3	7.13	288	-0.050	0.073	0.007	0.015	0.000000	0.000000	-1197.77	995.74
3	GUIDE	used	420754040	9.05	578	-0.315	-0.218	0.116	0.189	331.917939	44.882543	2339.01	1899.81
4	GUIDE	used	472655152	9.40	577	0.231	0.035	0.162	0.308	332.504239	45.862991	-854.92	-198.00
5	GUIDE	used	472665256	8.97	577	0.471	0.038	0.131	0.220	332.808125	46.195041	-2154.50	-776.98
6	GUIDE	used	472525528	6.66	578	-0.473	-0.072	0.104	0.169	331.551102	45.248694	2365.61	283.44
7	GUIDE	used	472659832	9.41	577	0.108	0.205	0.173	0.281	332.780399	46.098139	-1898.99	-523.33

2.4 Star Slots

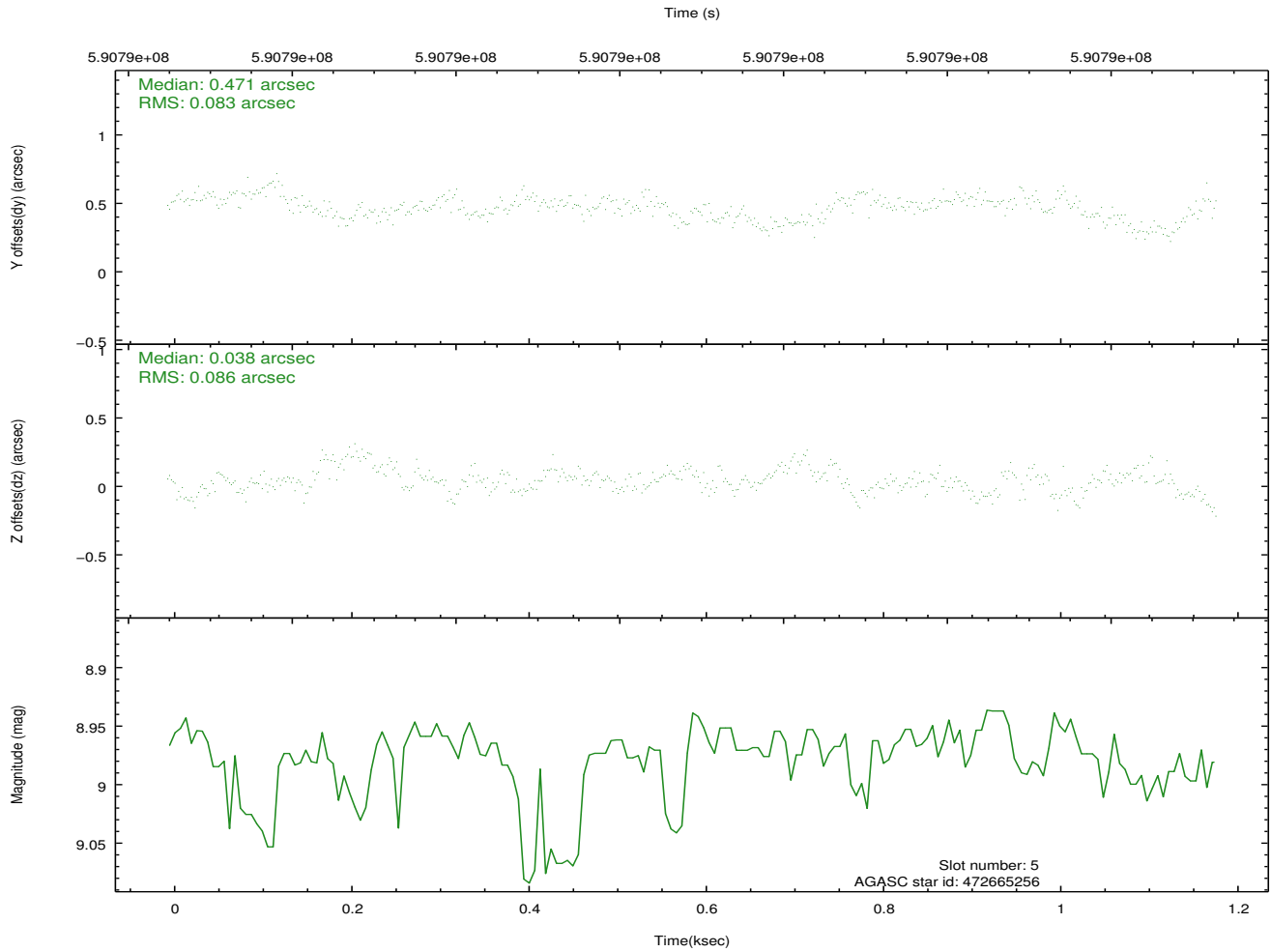
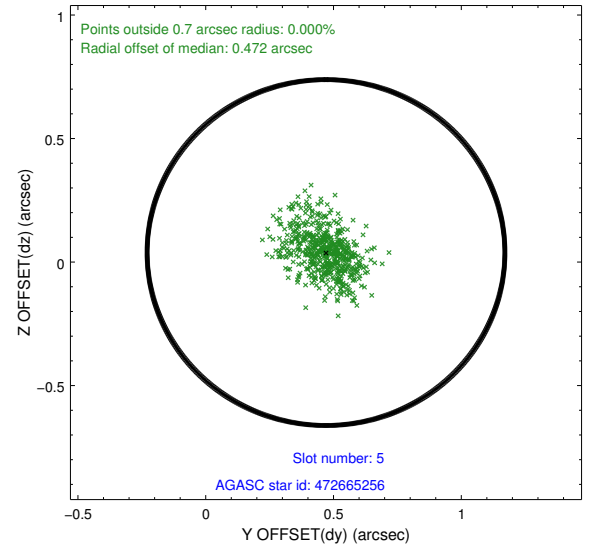
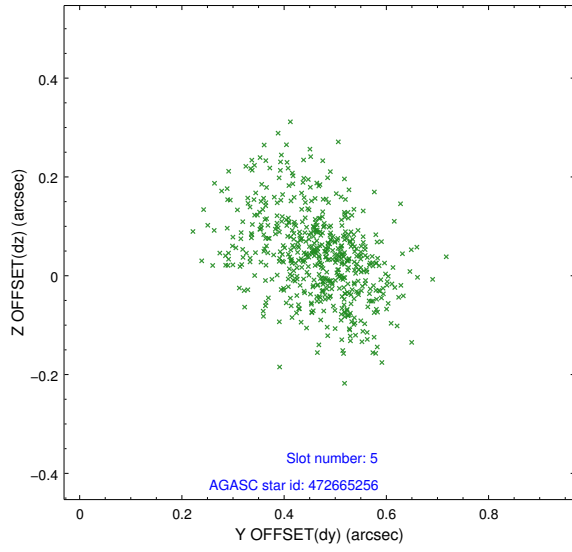
2.4.1 Slot 3



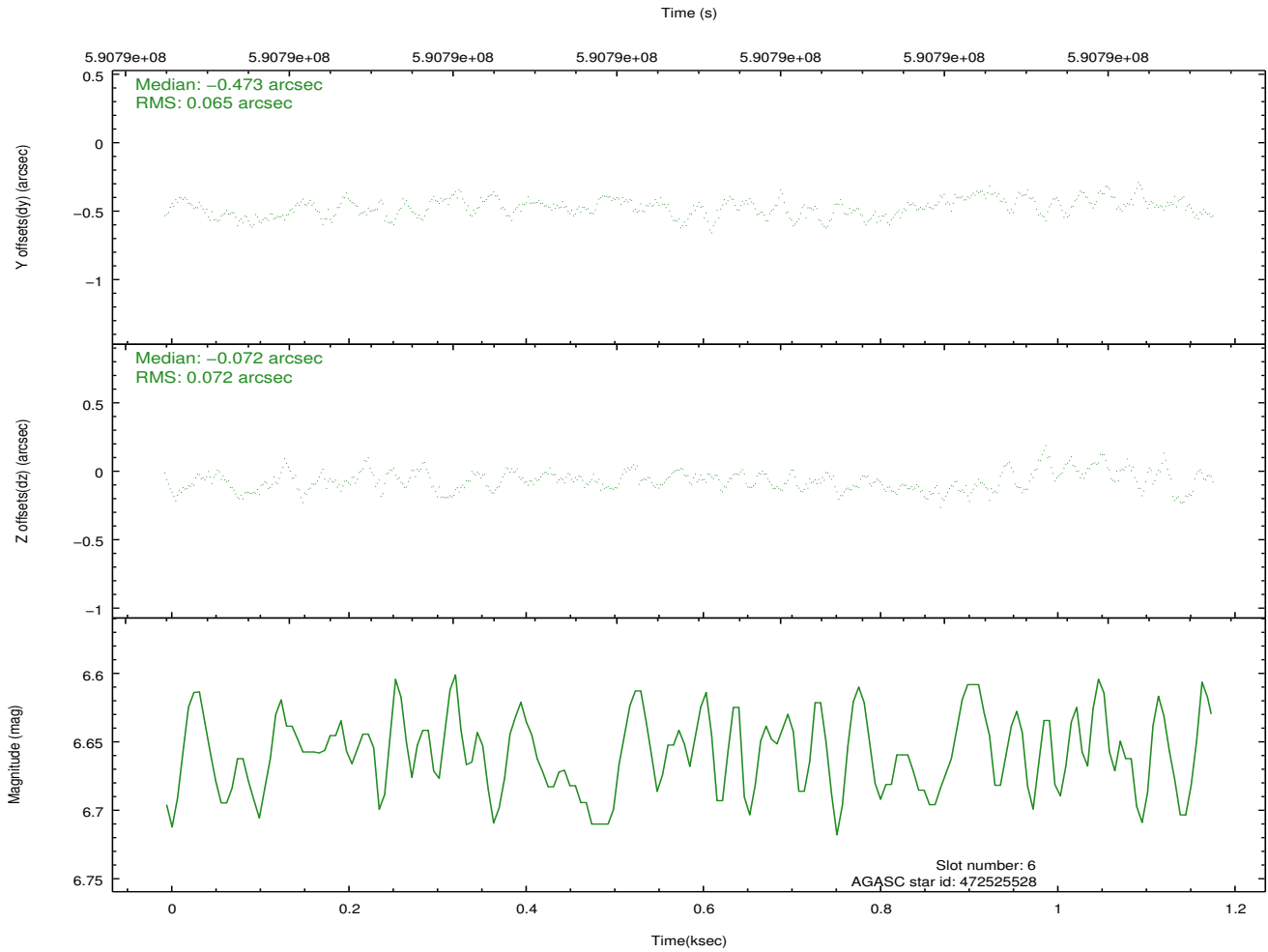
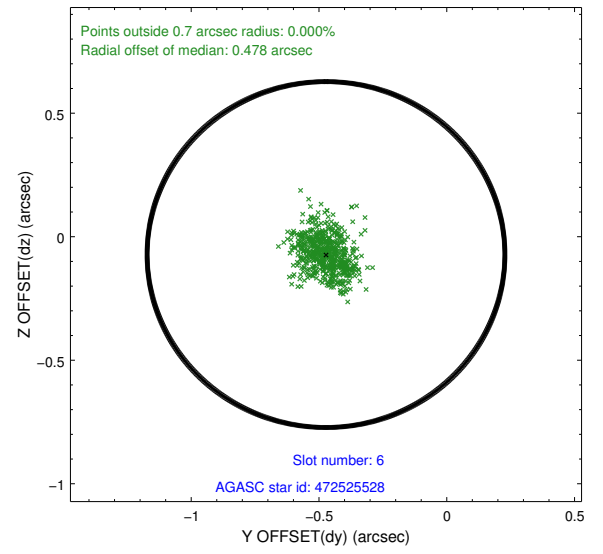
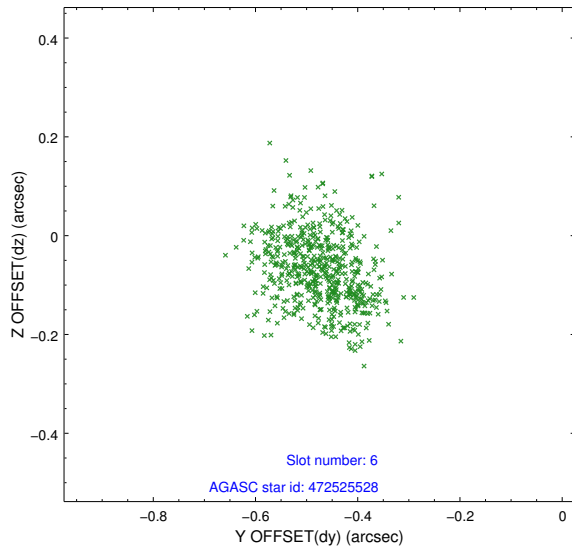
2.4.2 Slot 4



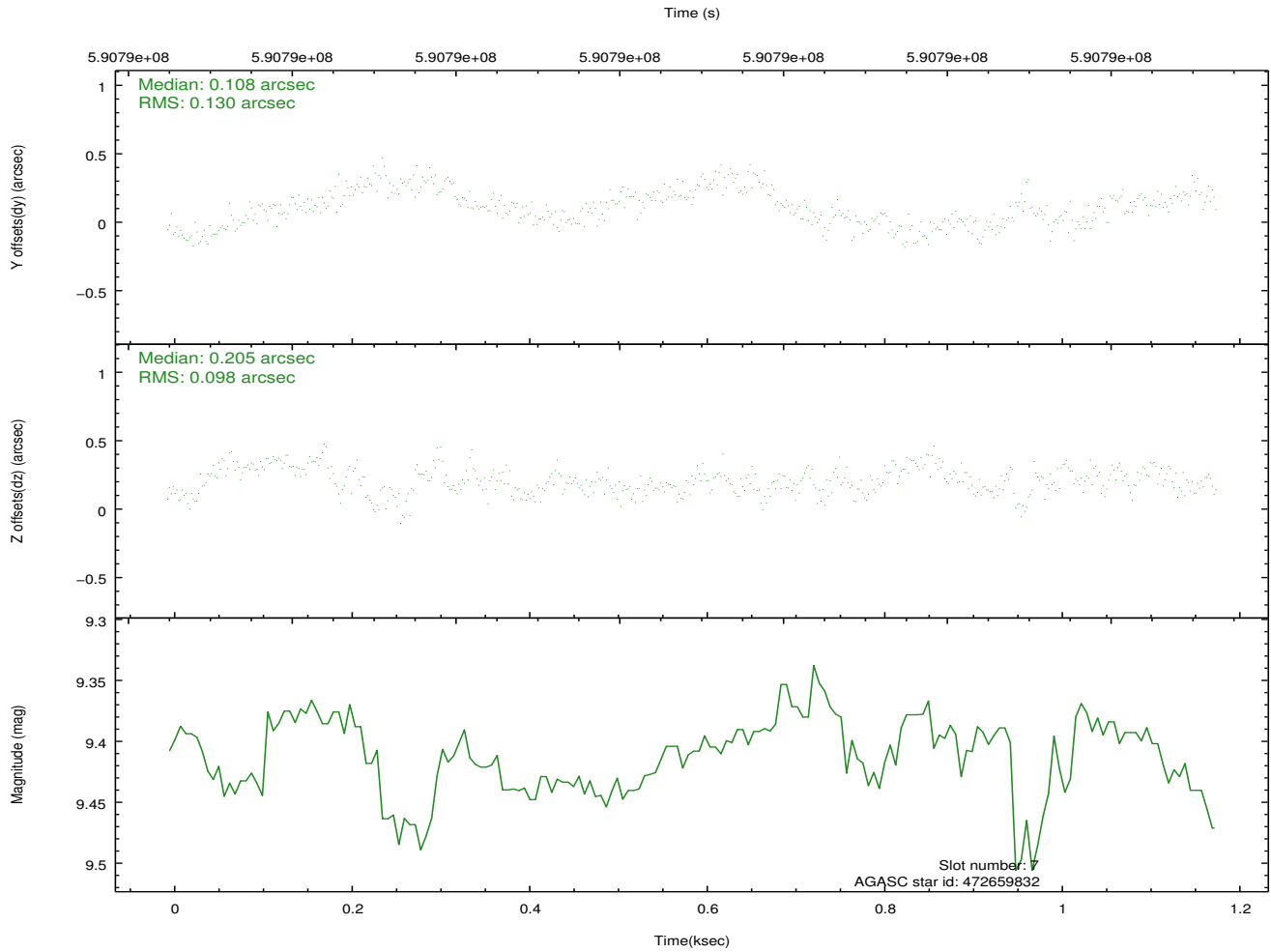
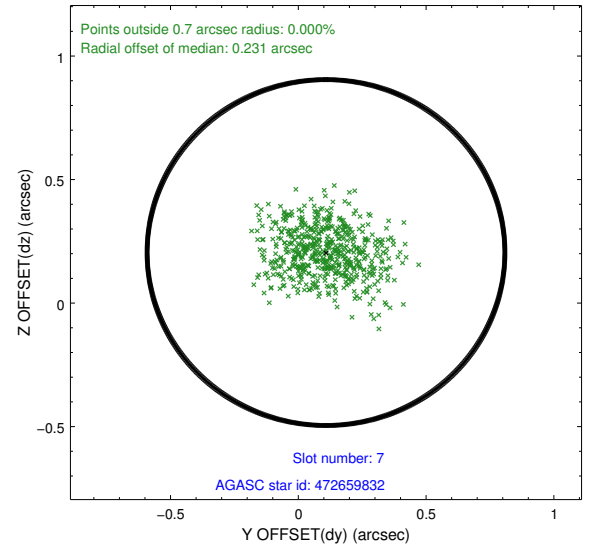
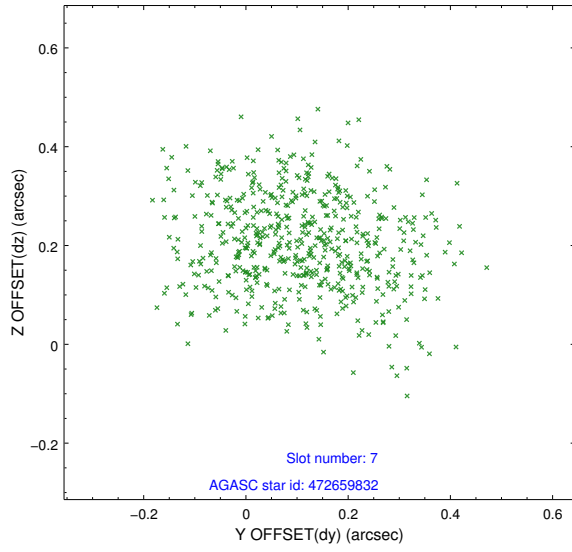
2.4.3 Slot 5



2.4.4 Slot 6

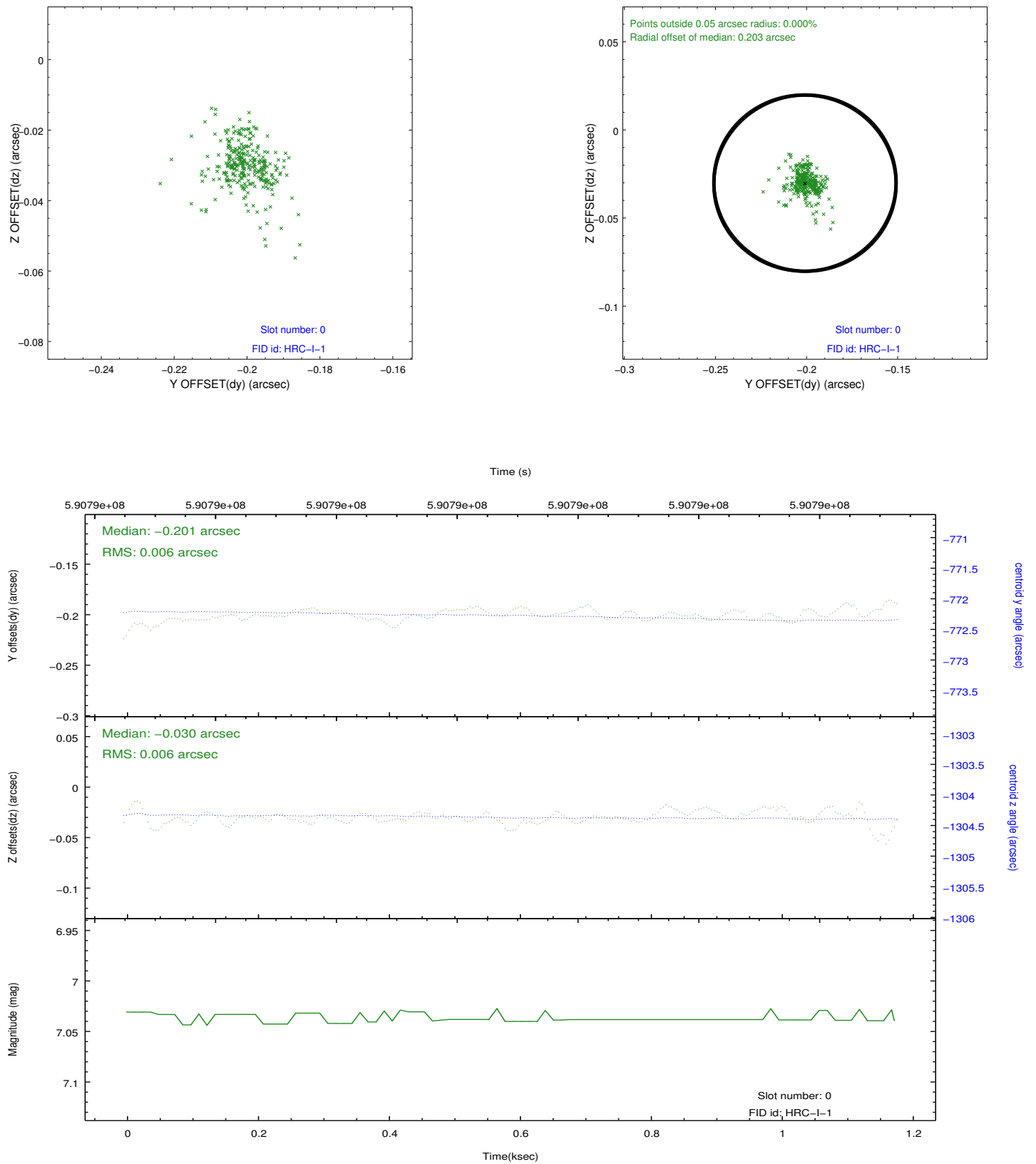


2.4.5 Slot 7

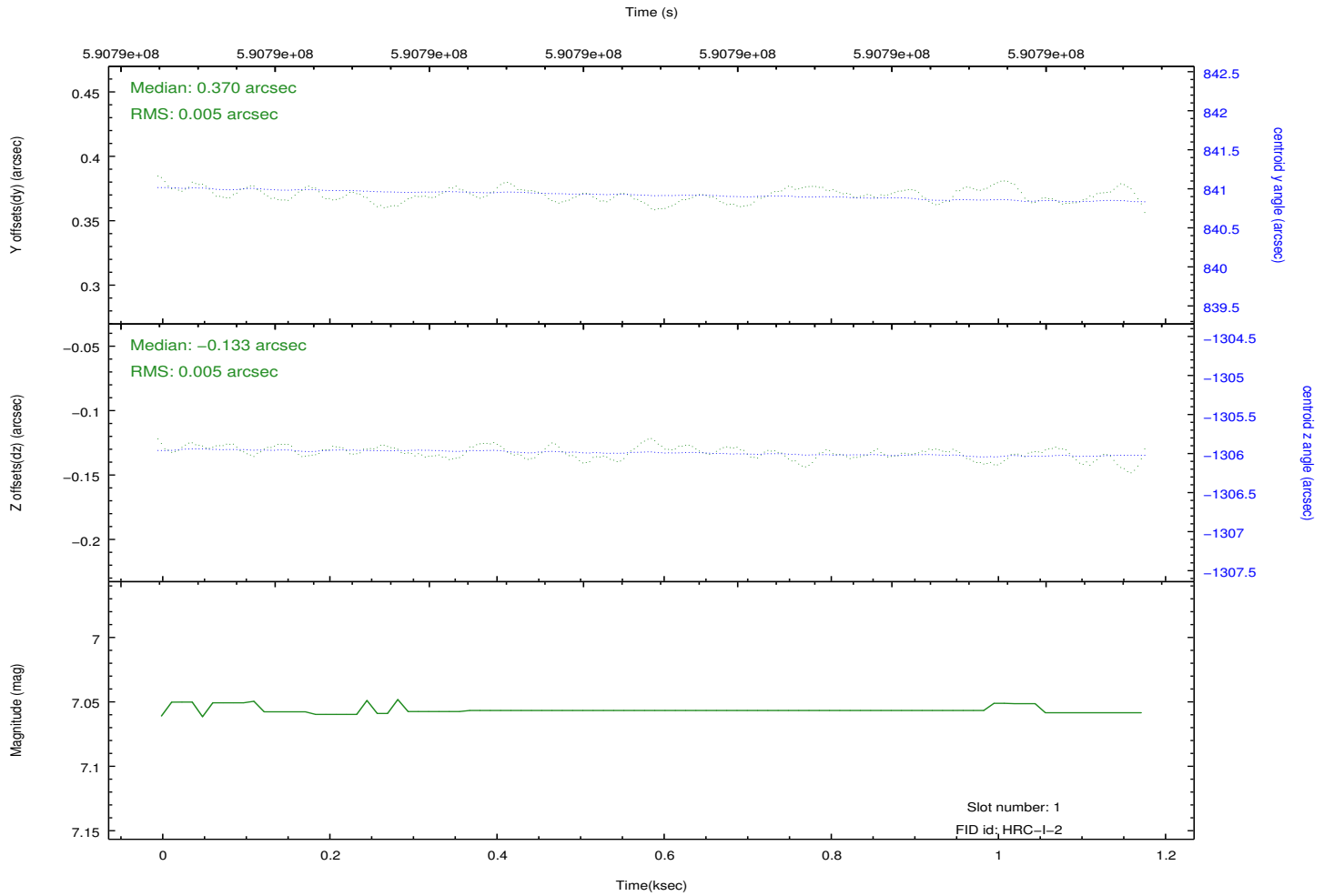
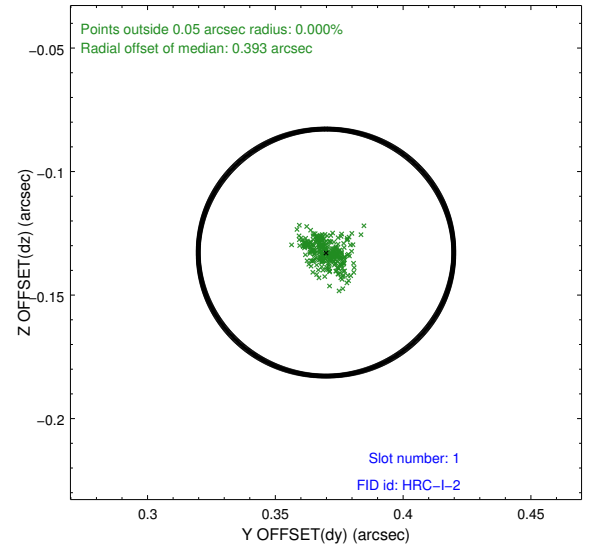
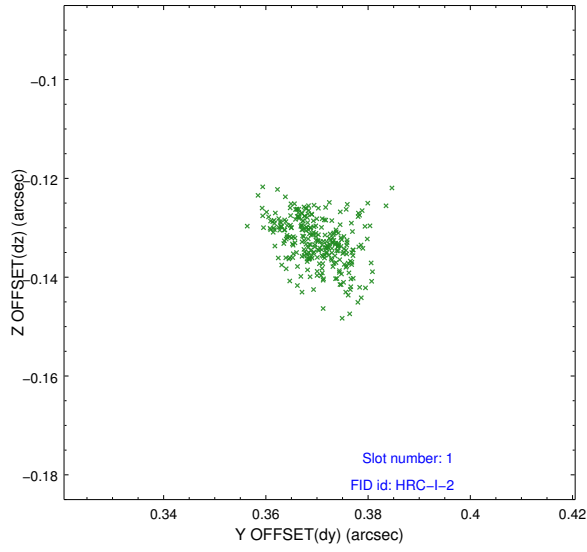


2.5 FID Slots

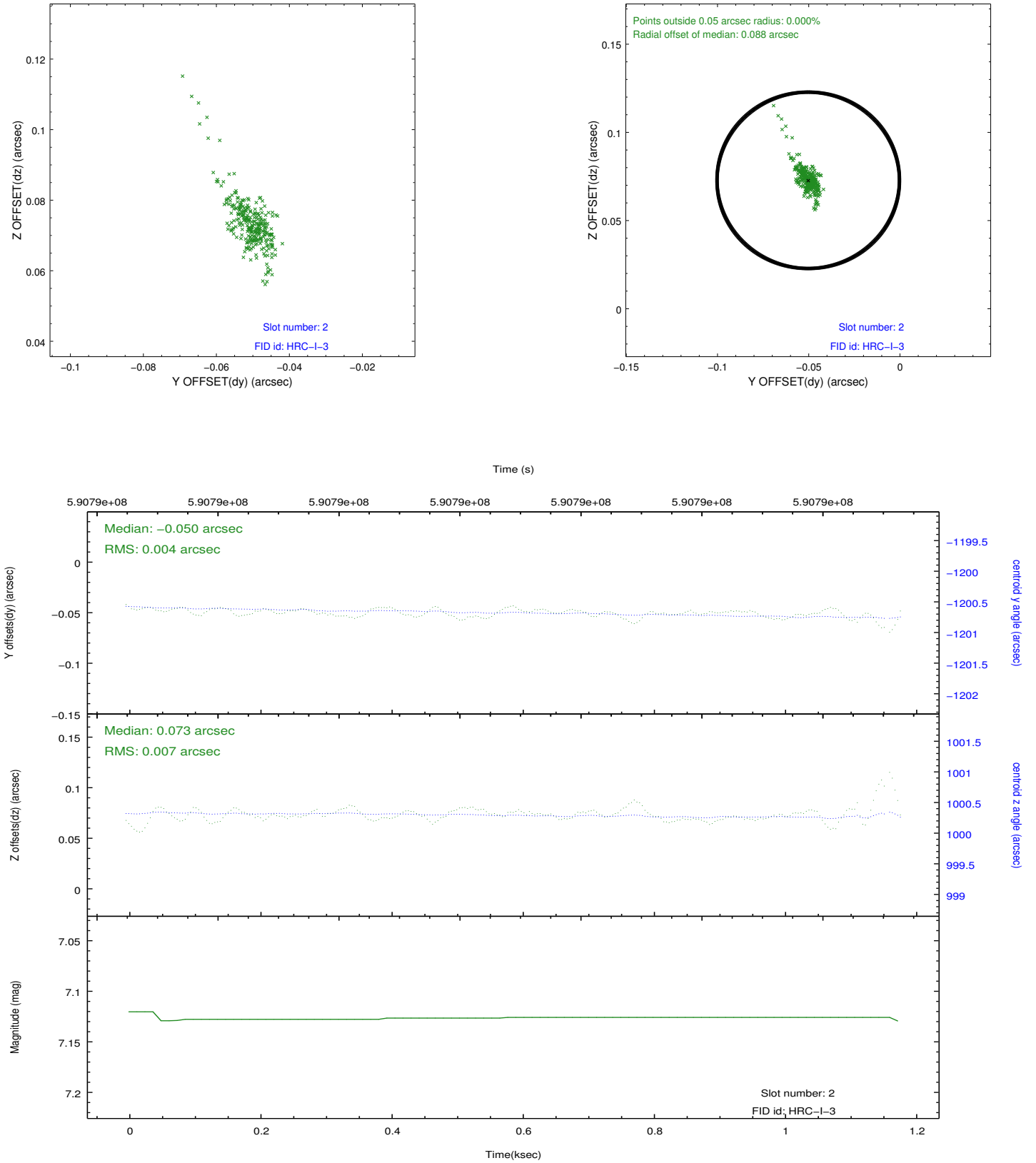
2.5.1 Slot 0



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)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1818250681162

A.2 Comments