

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16392 - L2 Version 1
Chandra X-Ray Center

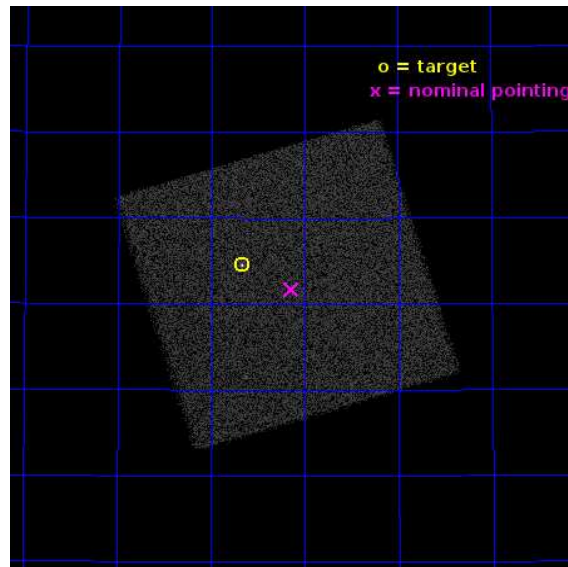
L2 Processing Date : Sep 16 2014

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1 Front

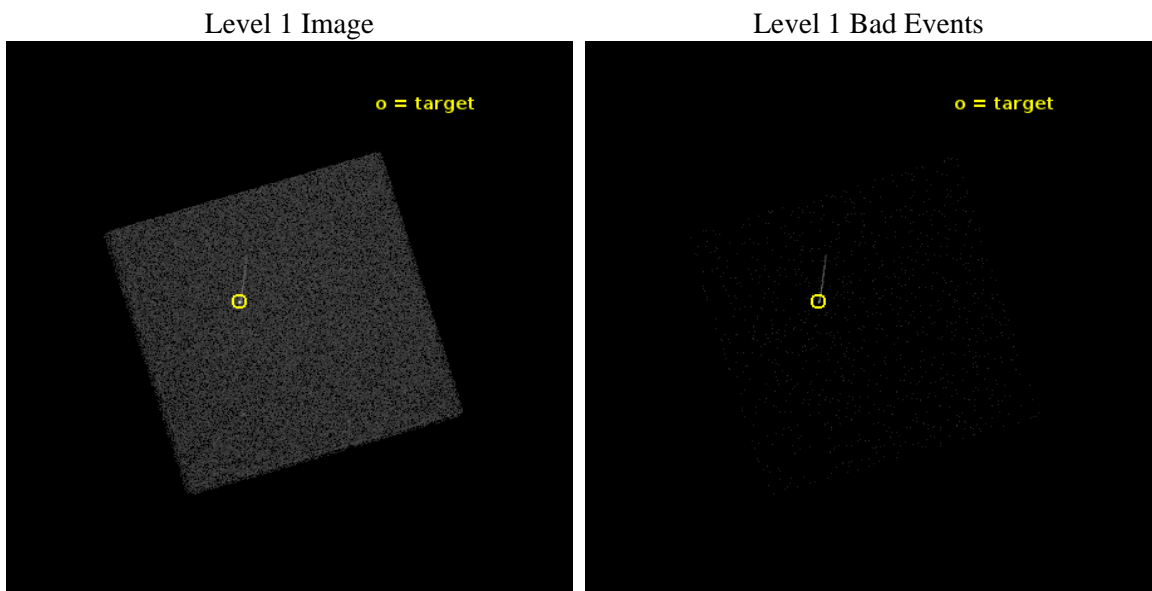
seq_num	291164	Sequence number
obs_id	16392	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.03654640264	Nominal RA [deg]
dec_nom	45.695260335025	Nominal Dec [deg]
roll_nom	207.91978007887	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1184.1313158274	[s]
livetime	1174.8042884824	Ontime multiplied by DTCOR
l2events	74960	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	10.2.4	Processing system revision	ontime	1184.1313158274	[s]
caldbver	4.6.3	 	l1events	126942	Number of level 1 events
date	2014-09-16T20:24:10	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

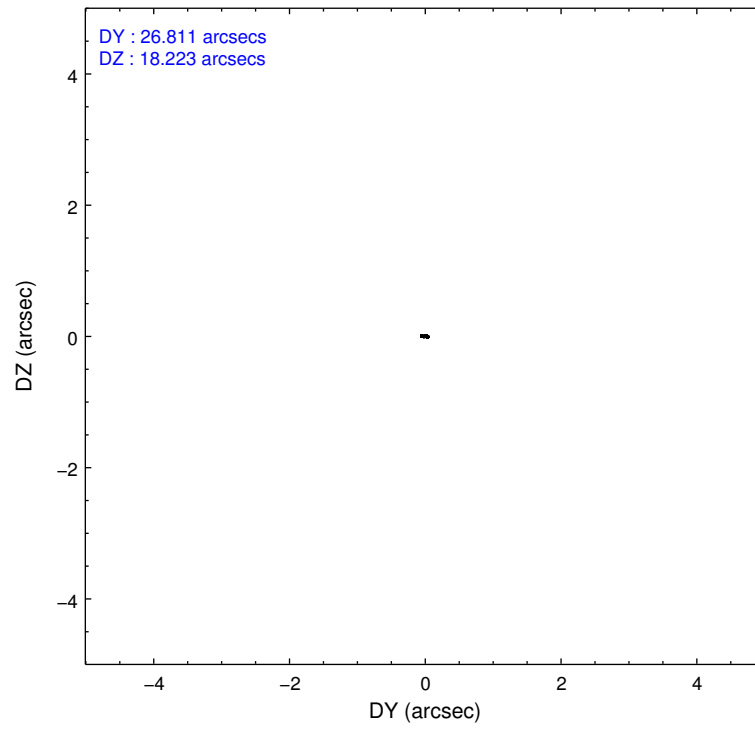
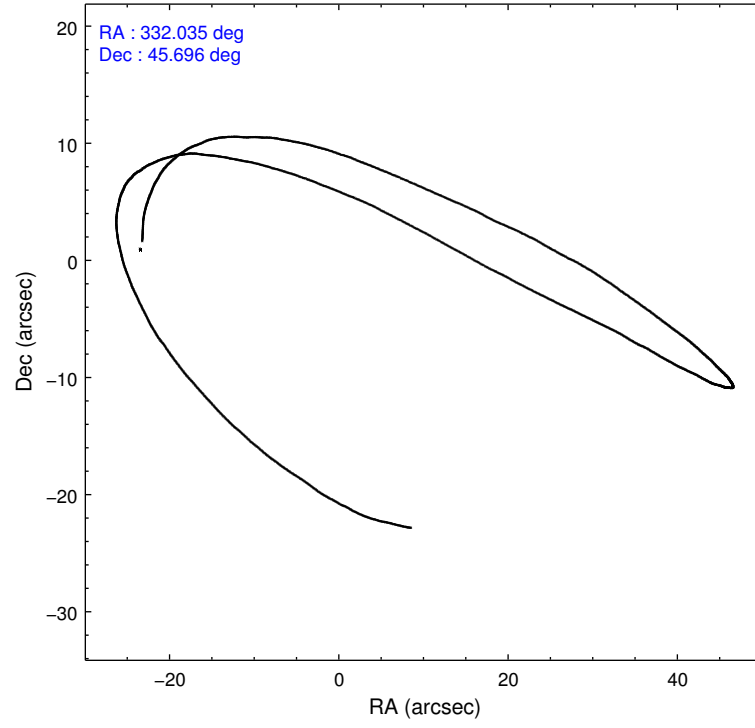
	segment 0
level 1 events	126942
rejected events	27518
rejected %	21%

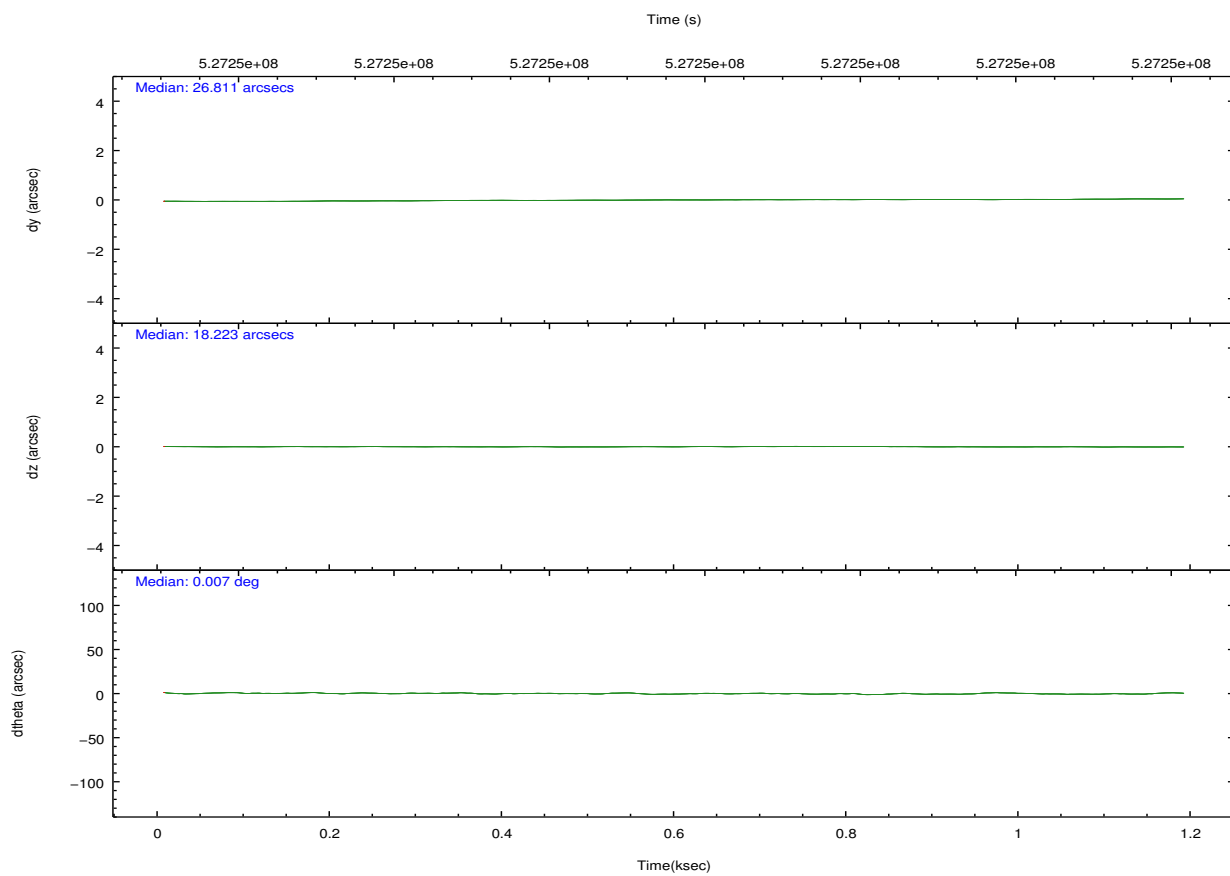
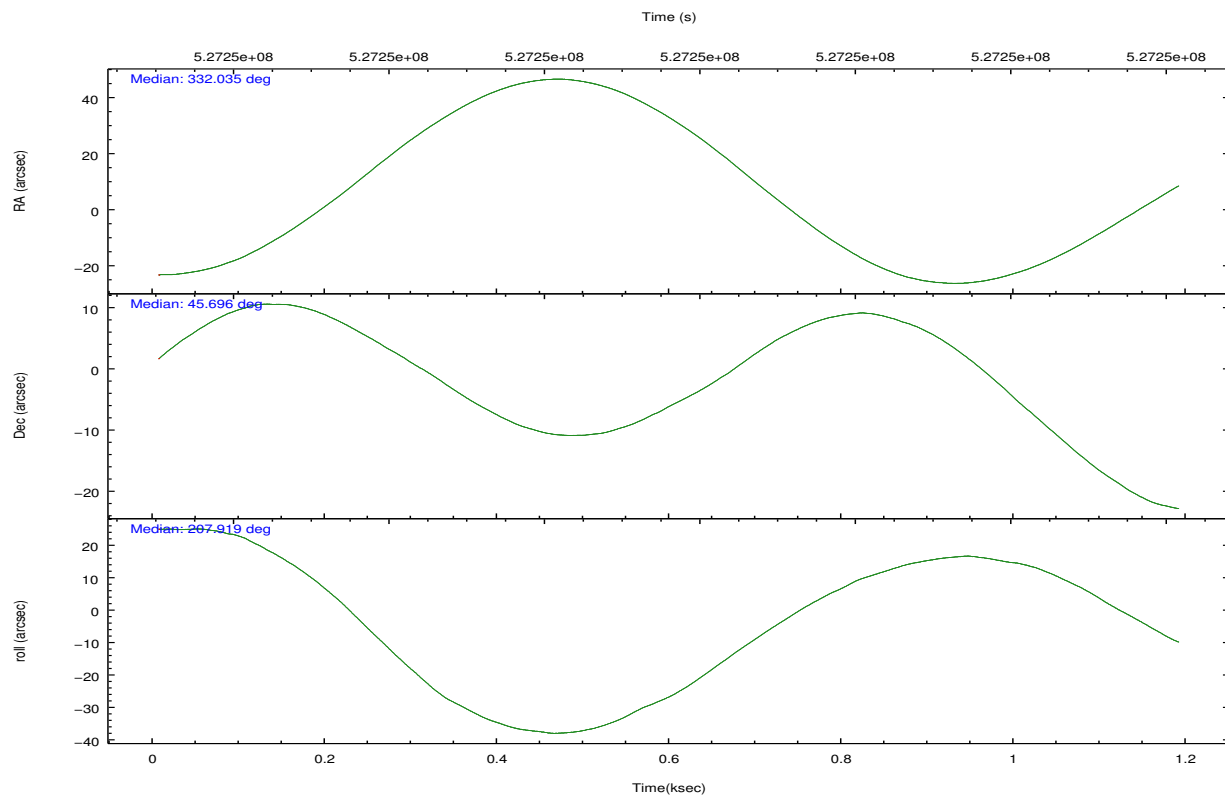
2.2 Compared Parameters

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	332.057404	332.0365464026366
[deg] Pointing Dec	45.718317	45.69526033502491
[deg] Pointing Roll	208.000297	207.9197800788713
[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)	527247361.184000	527246985.68949
Observation start date	2014-09-16T09:34:54	2014-09-16T09:29:45
[s] Observation end time (MET)	527248361.184000	527248495.51457
Observation end date	2014-09-16T09:51:34	2014-09-16T09:54:55

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

2.3 Aspect



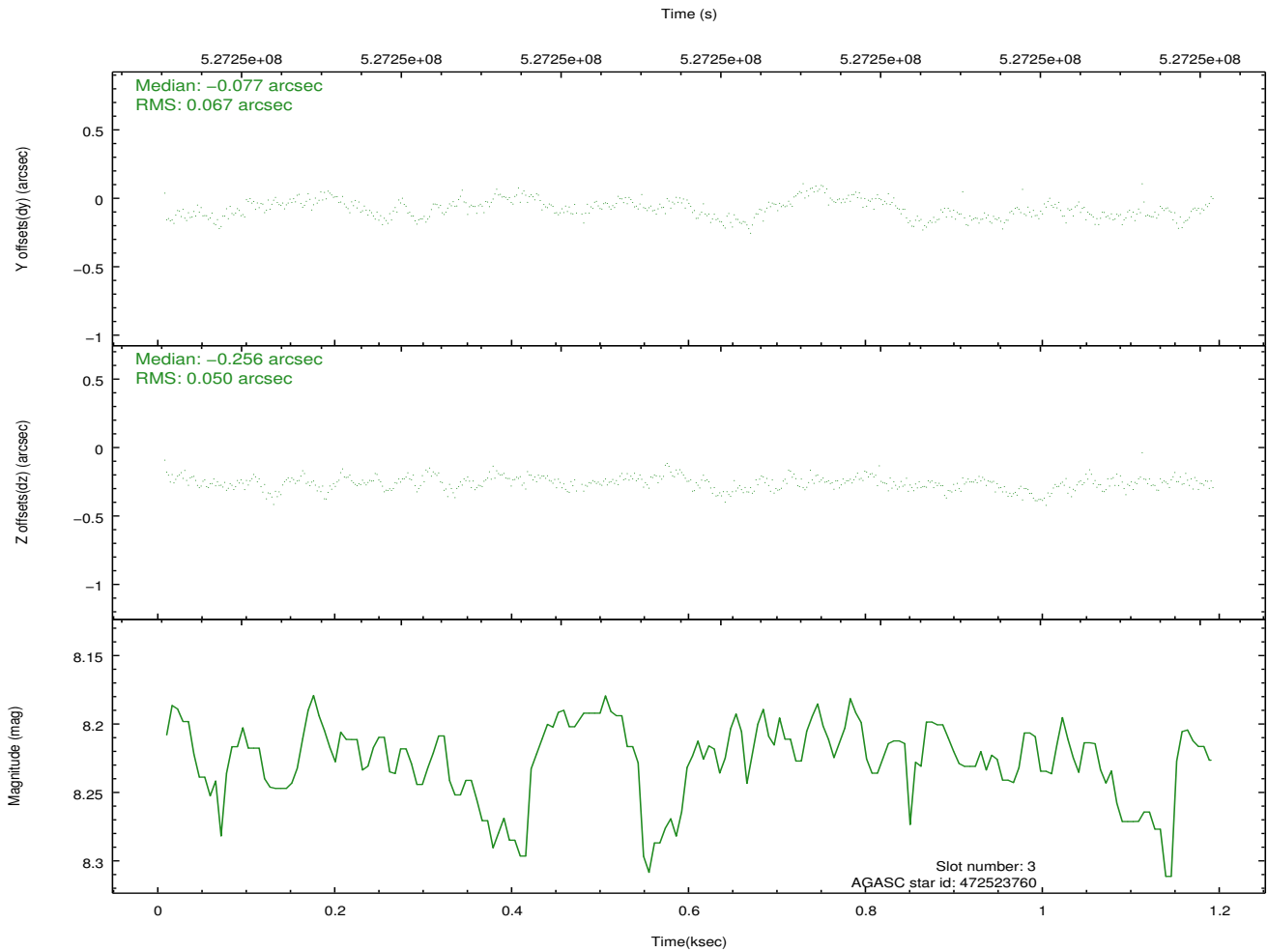
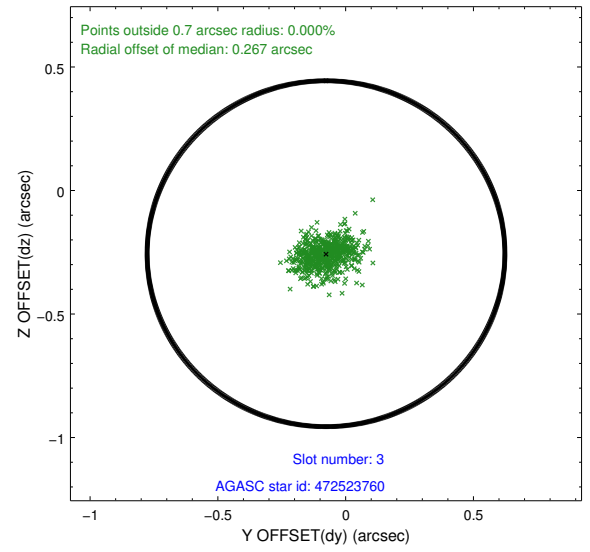
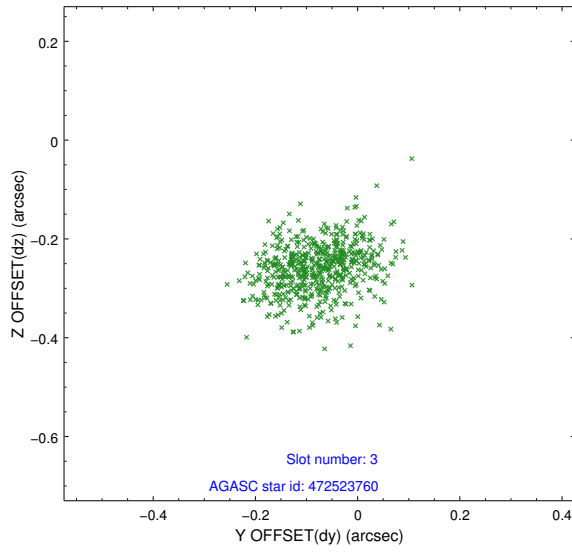


Slot Statistics

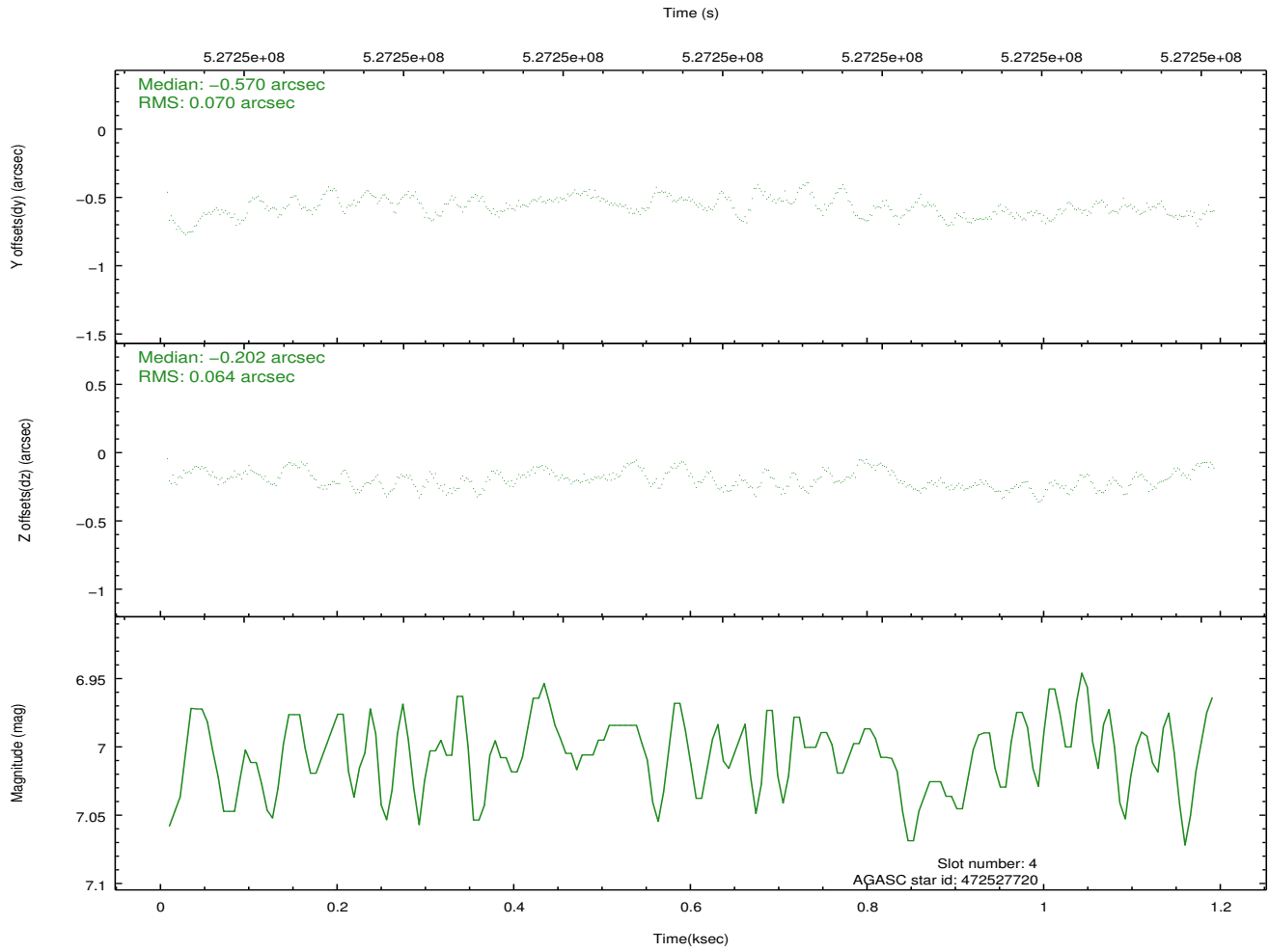
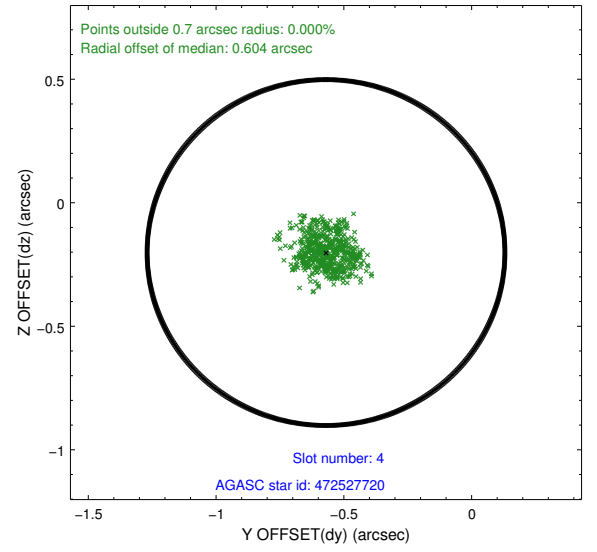
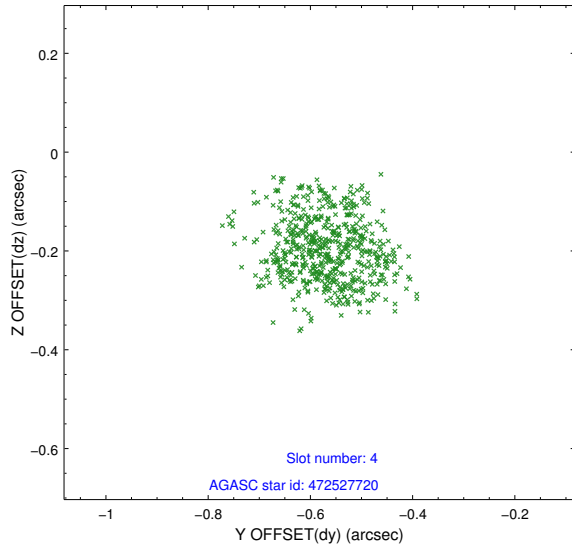
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.03	289	-0.120	0.026	0.008	0.013	0.000000	0.000000	-783.01	-1306.40
1	FID	HRC-I-2	7.06	290	0.250	-0.101	0.008	0.011	0.000000	0.000000	827.29	-1312.56
2	FID	HRC-I-3	7.12	290	-0.012	-0.016	0.006	0.010	0.000000	0.000000	-1208.60	993.58
3	GUIDE	472523760	8.22	577	-0.077	-0.256	0.090	0.142	331.645363	45.403260	1449.96	512.67
4	GUIDE	472527720	7.00	579	-0.570	-0.202	0.103	0.160	331.460205	45.112509	2361.97	1211.80
5	GUIDE	472533912	9.15	579	0.356	0.264	0.157	0.306	331.791136	46.368695	-512.08	-2373.79
6	GUIDE	472655152	9.41	579	0.131	-0.225	0.151	0.259	332.504239	45.862991	-1236.67	61.77
7	GUIDE	472659832	9.43	577	0.130	0.423	0.167	0.275	332.780399	46.098139	-2242.14	-364.03

2.4 Star Slots

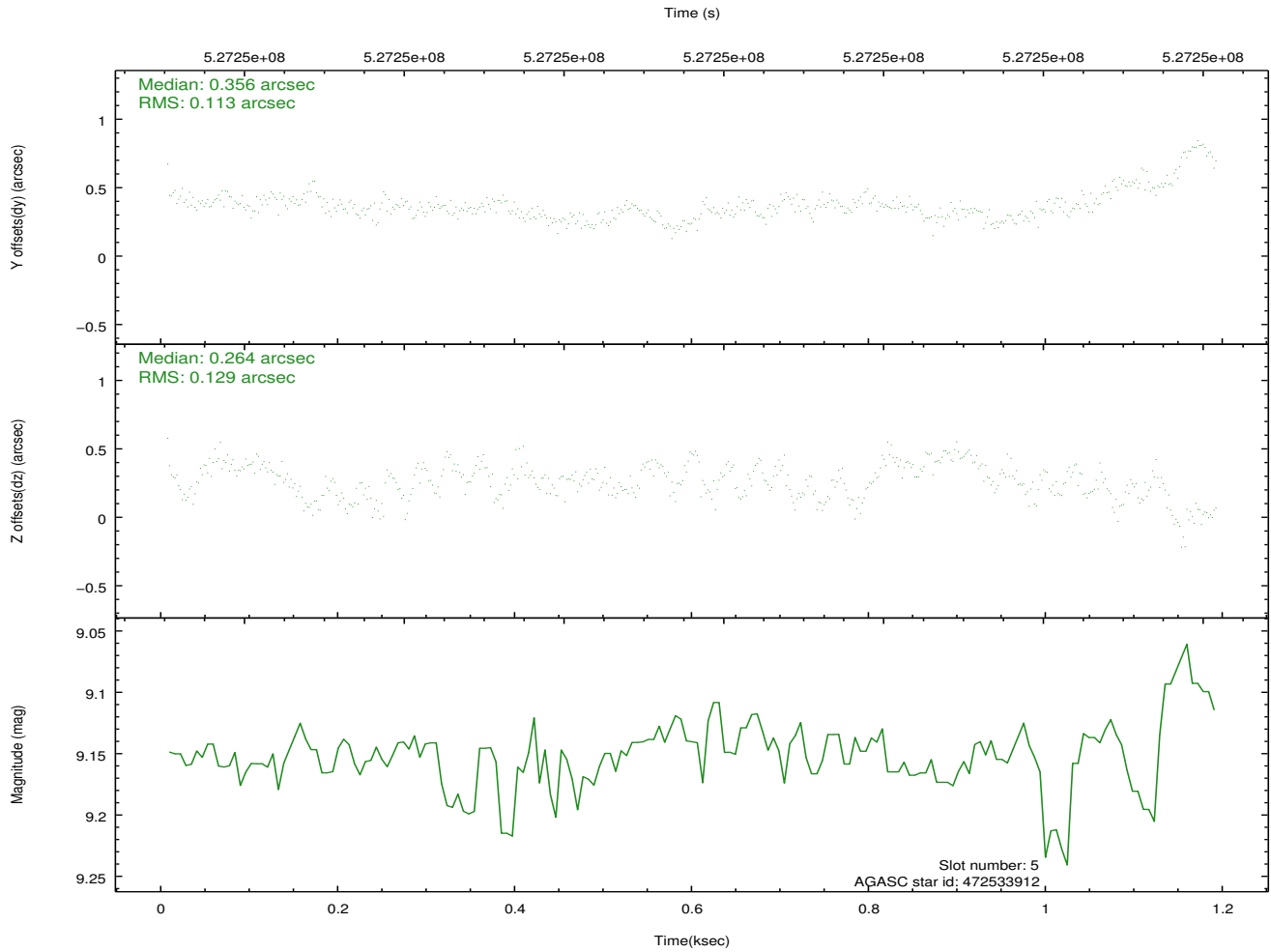
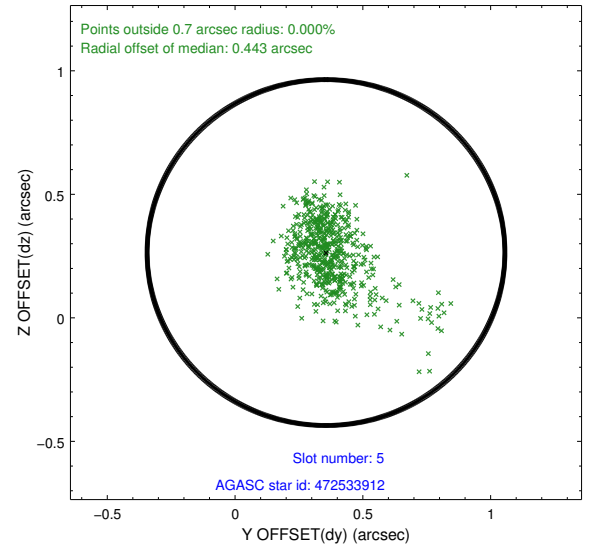
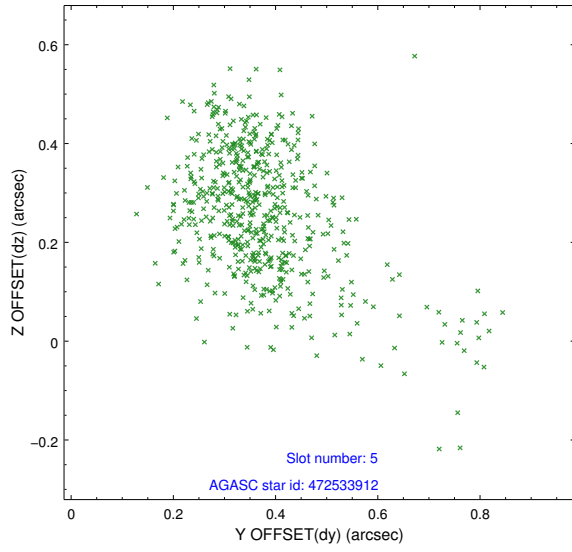
2.4.1 Slot 3



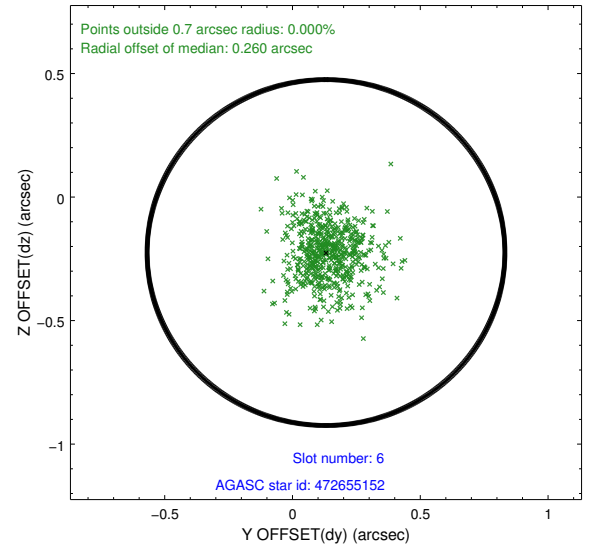
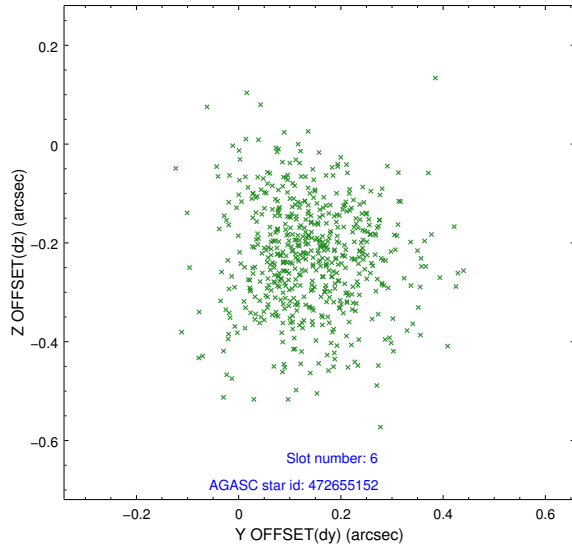
2.4.2 Slot 4



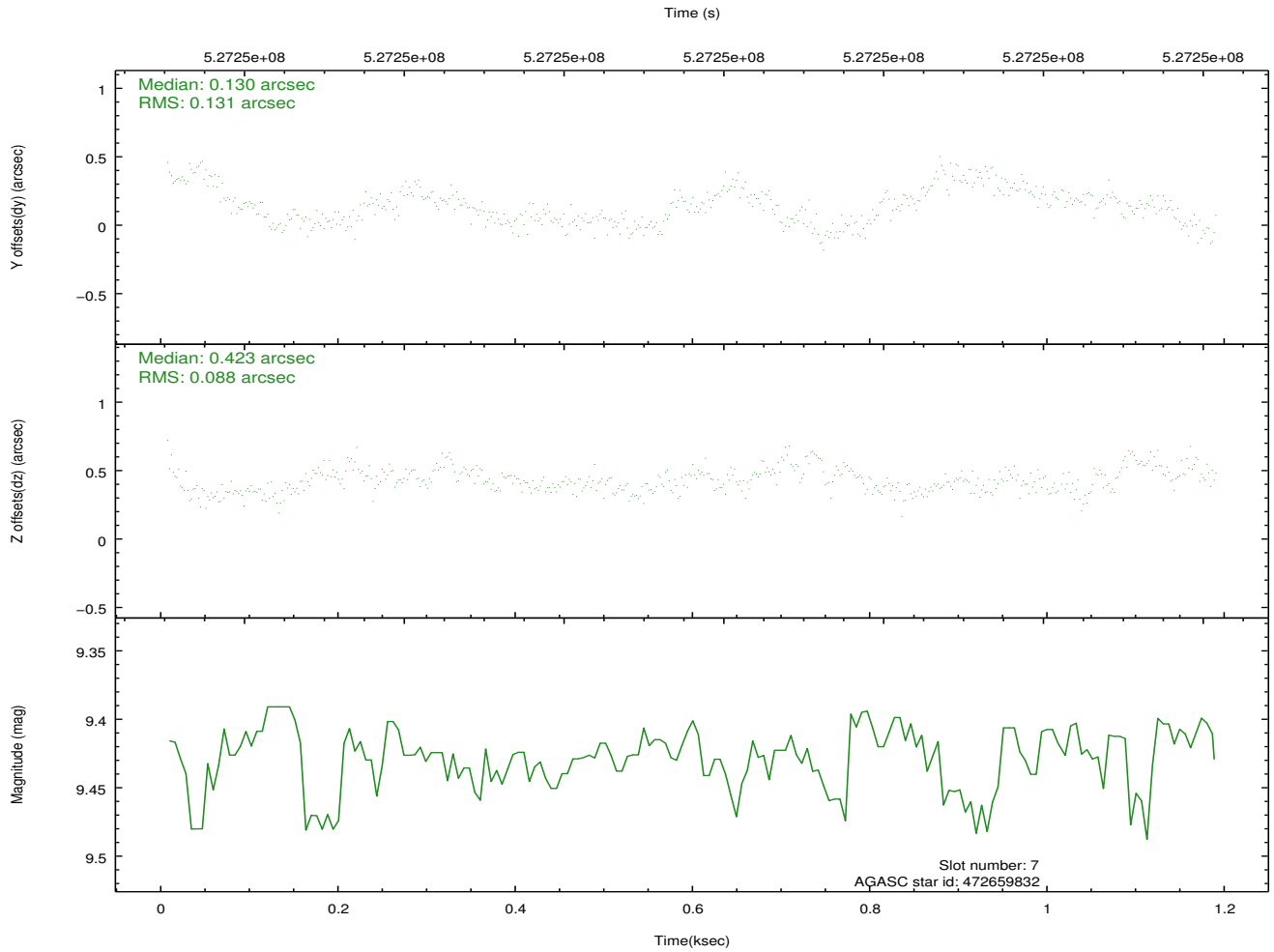
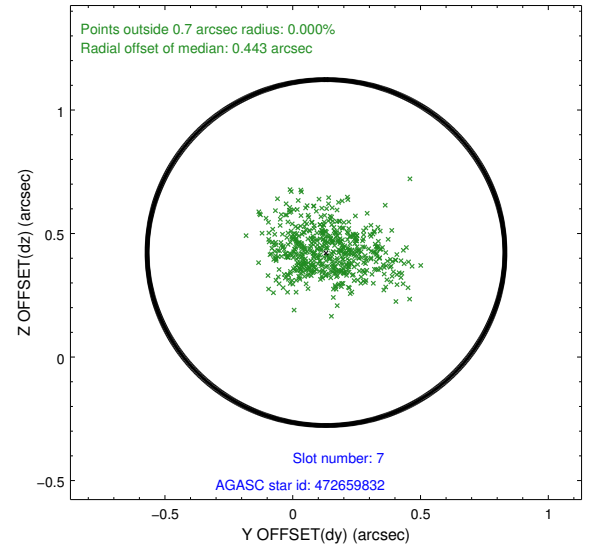
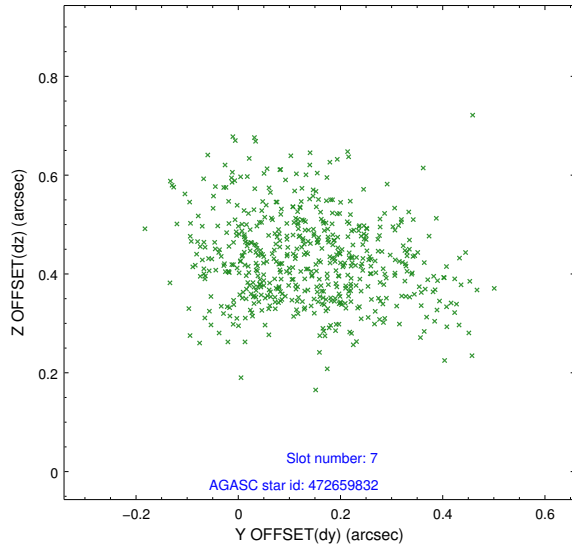
2.4.3 Slot 5



2.4.4 Slot 6

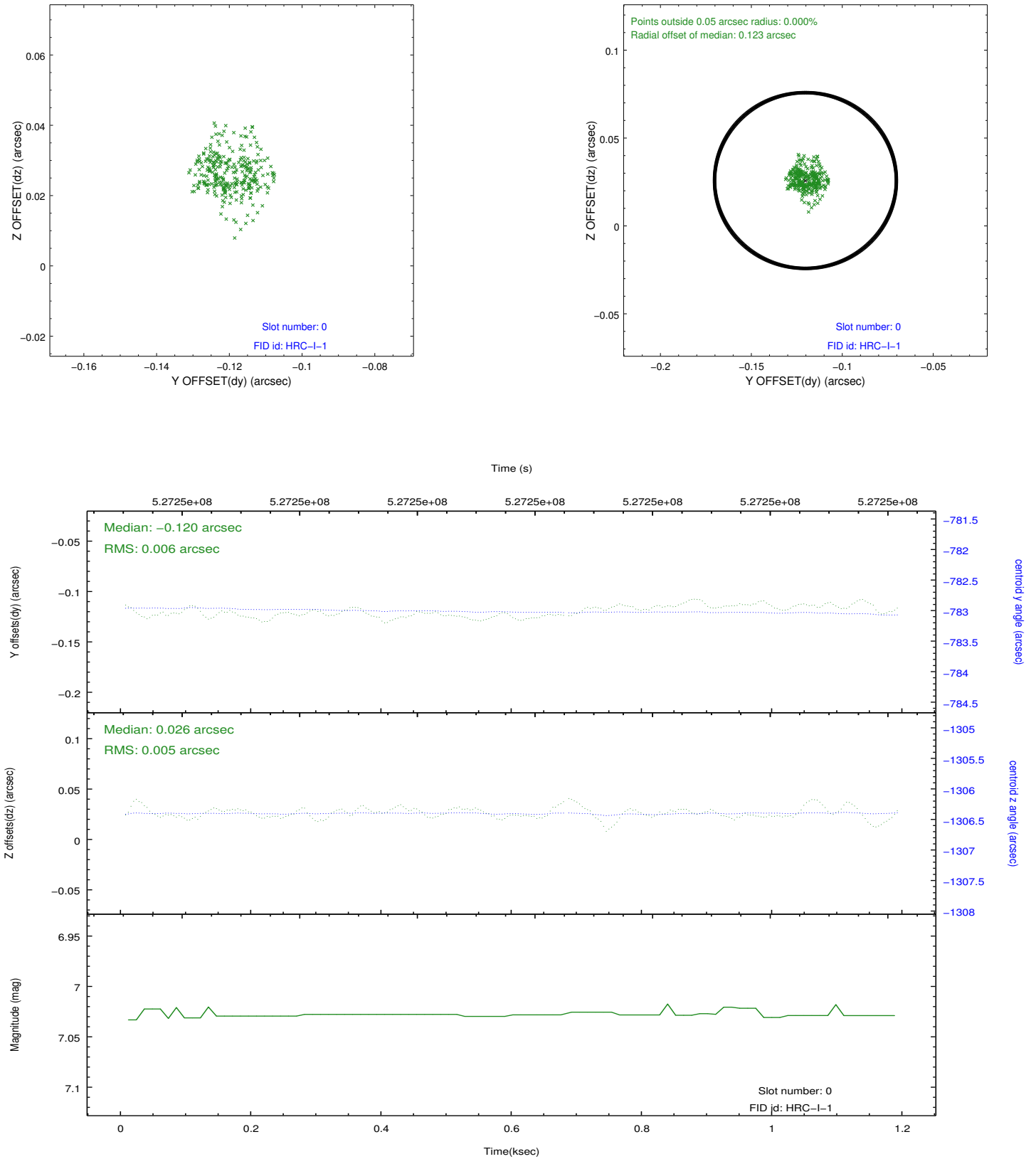


2.4.5 Slot 7

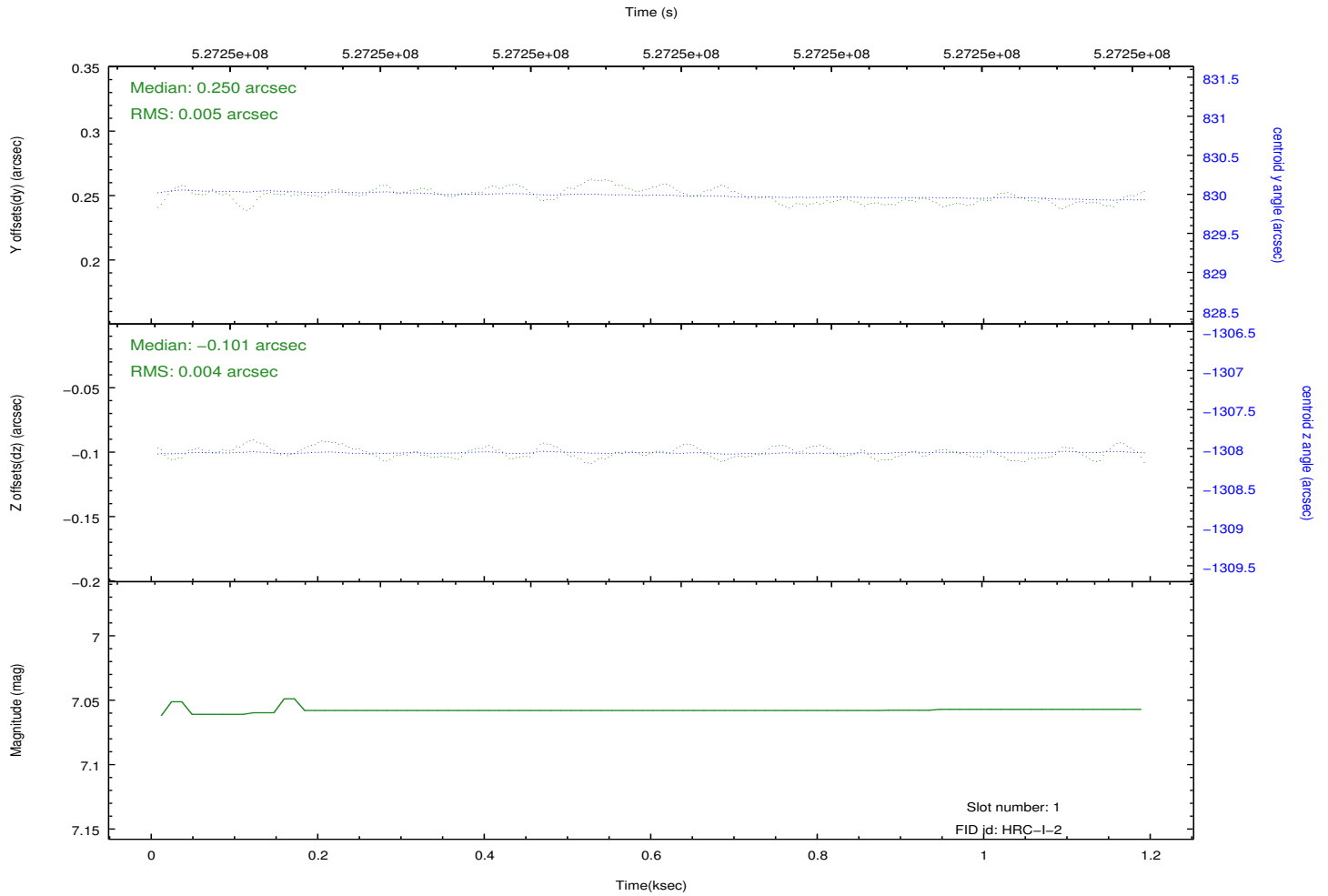
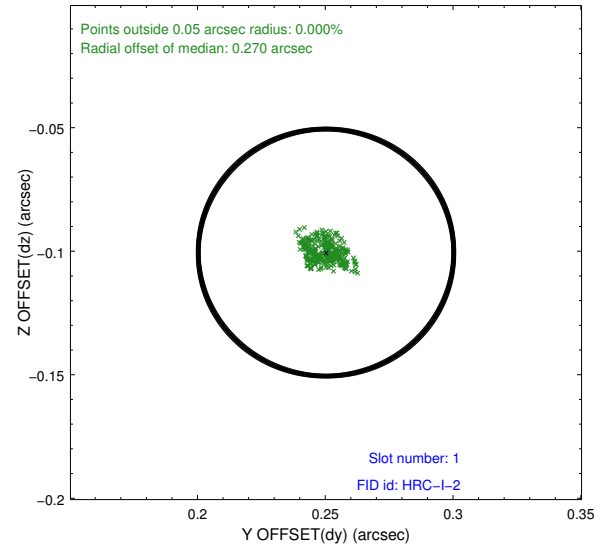
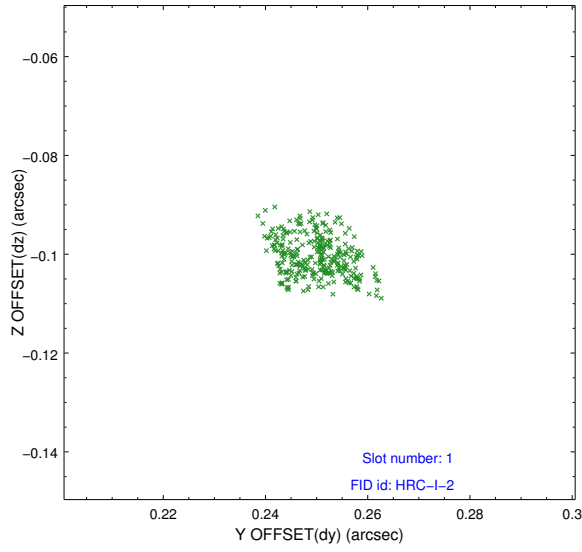


2.5 FID Slots

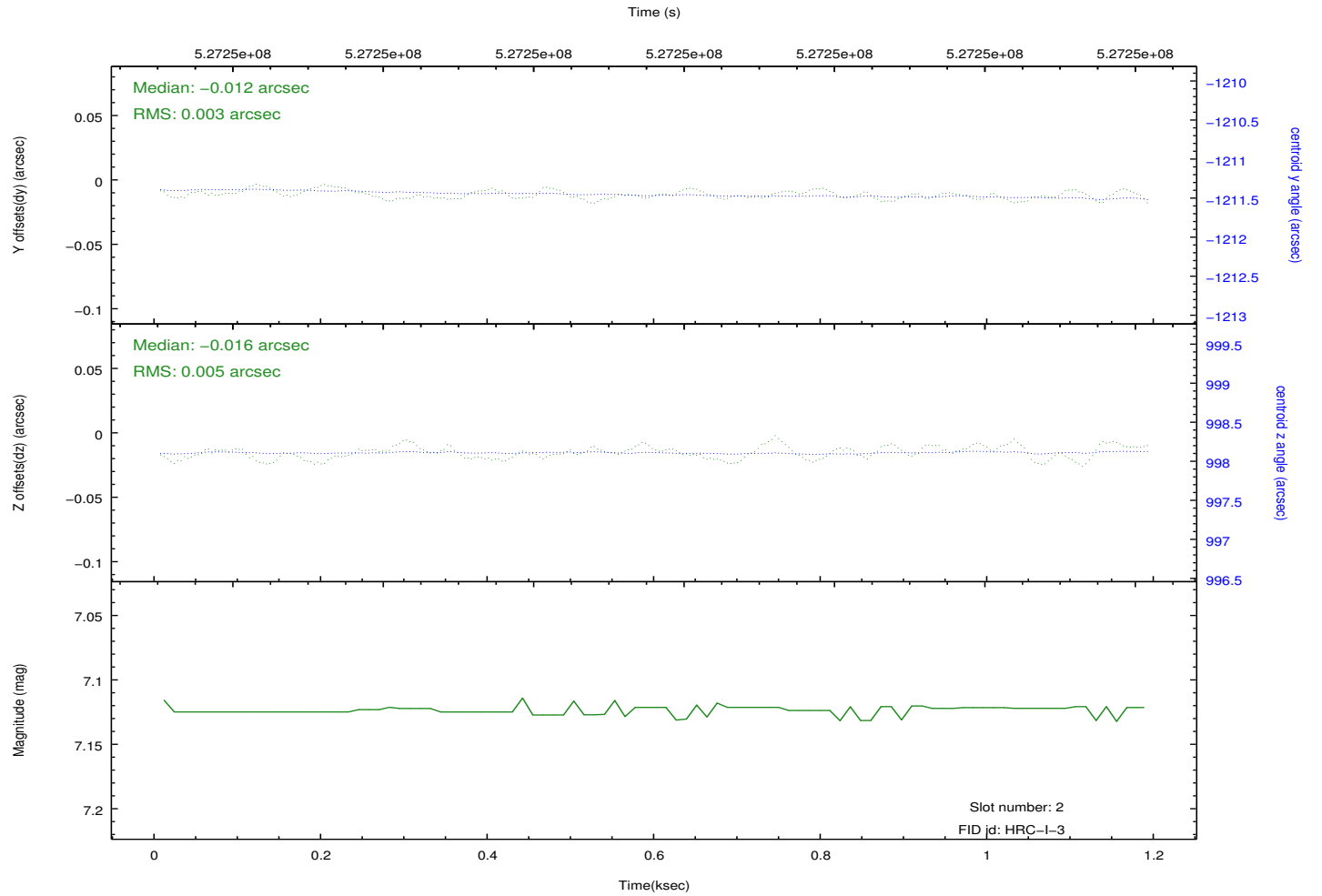
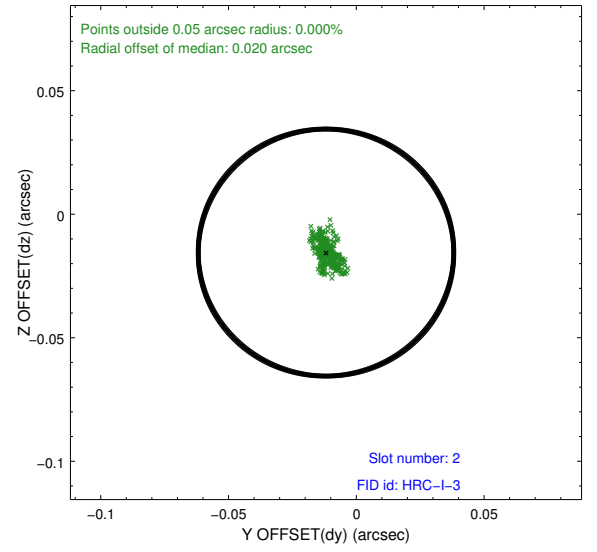
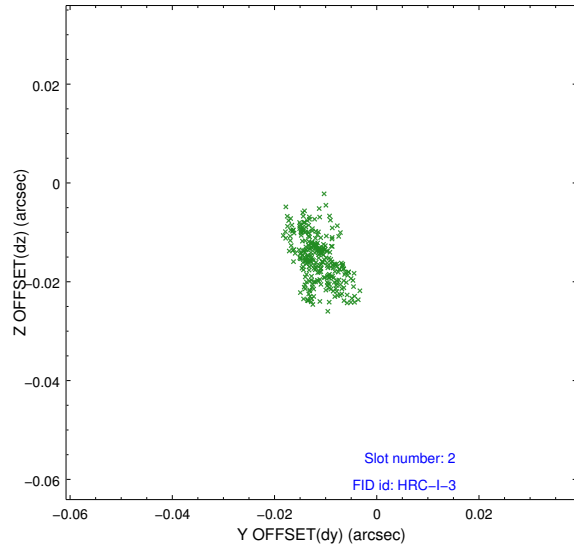
2.5.1 Slot 0



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)	2014.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313158274

A.2 Comments