

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16390 - L2 Version 1
Chandra X-Ray Center

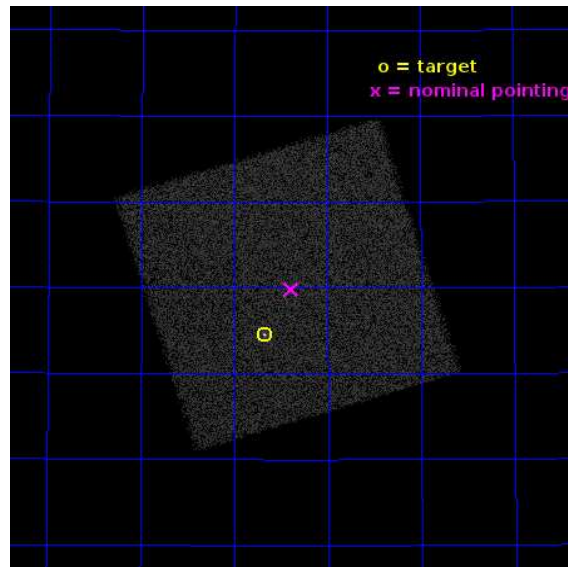
L2 Processing Date : Sep 16 2014

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1 Front

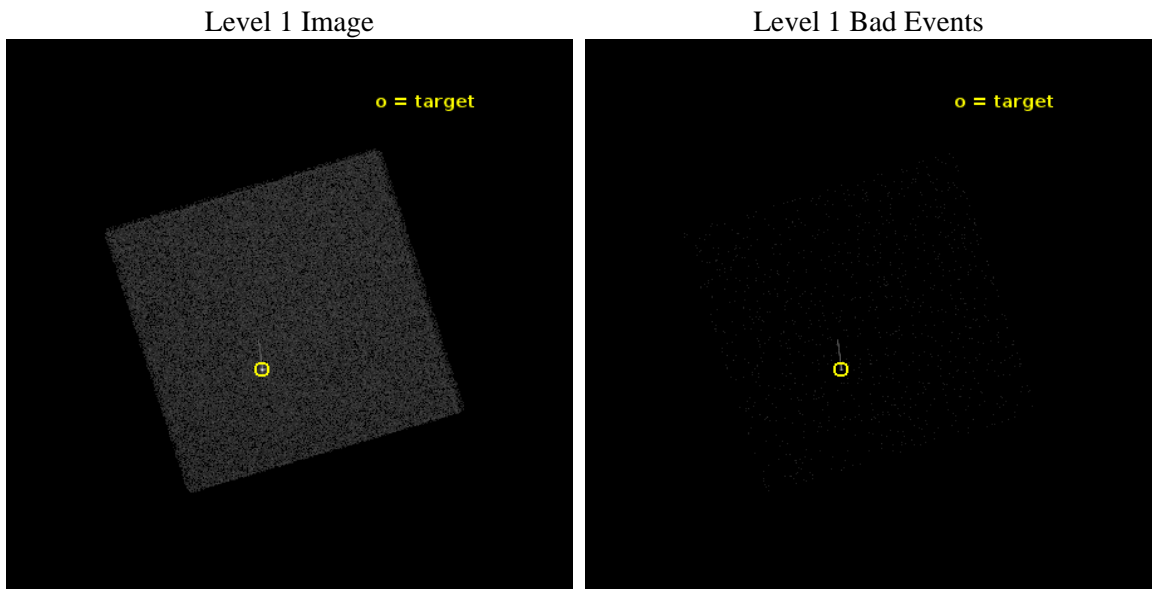
seq_num	291162	Sequence number
obs_id	16390	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09720837427	Nominal RA [deg]
dec_nom	45.830431002424	Nominal Dec [deg]
roll_nom	207.7551450364	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1186.1813158989	[s]
livetime	1176.7281292144	Ontime multiplied by DTCOR
l2events	76338	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	1186.1813158989	[s]
caldsver	4.6.3	 	l1events	128654	Number of level 1 events
date	2014-09-16T20:28:03	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

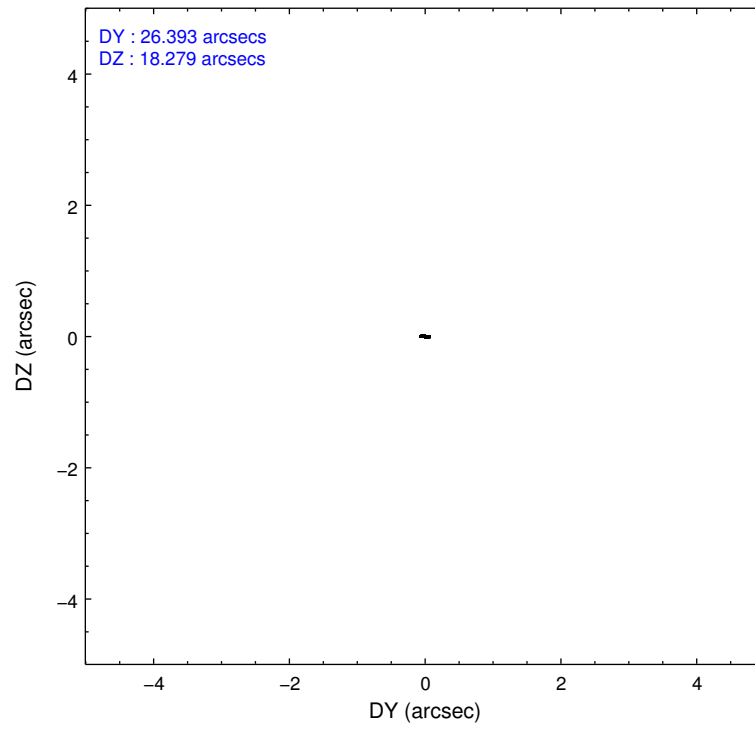
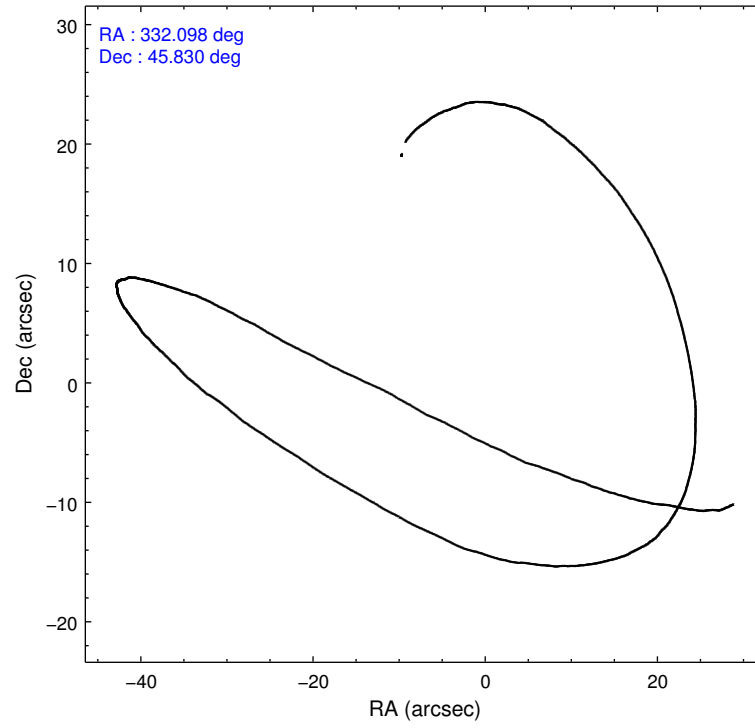
Level 1 Events

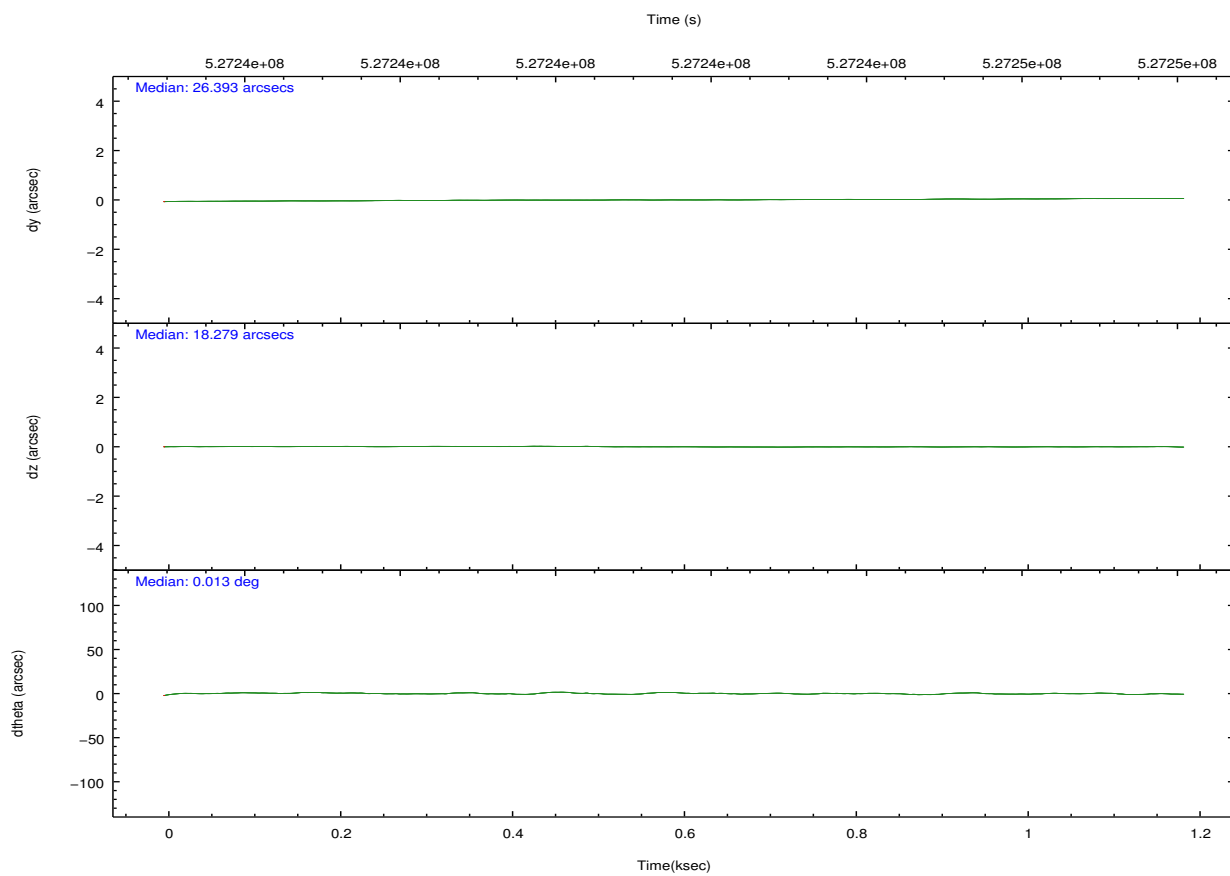
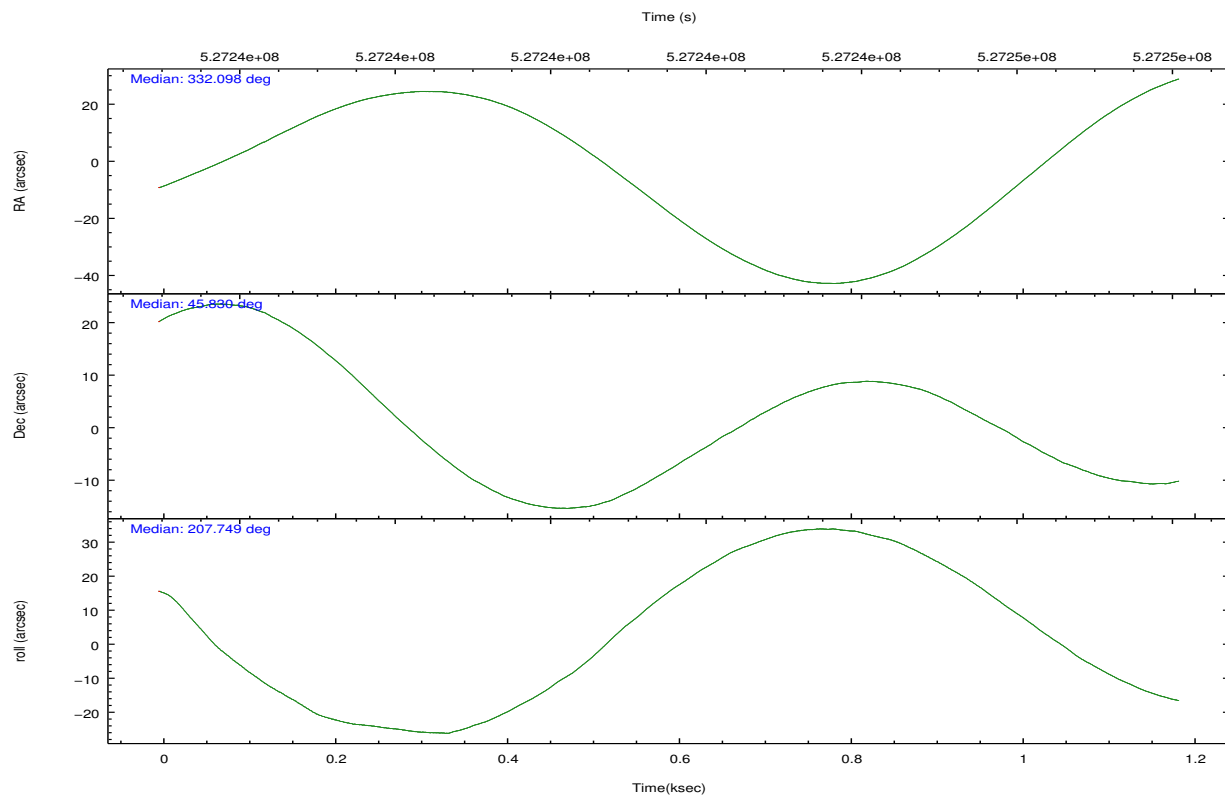
	segment 0
level 1 events	128654
rejected events	27384
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.117104	332.0972083742719			
[deg] Pointing Dec	45.853623	45.83043100242425			
[deg] Pointing Roll	207.836240	207.7551450363964			
[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)	527244341.184000	527243965.52682			
Observation start date	2014-09-16T08:44:34	2014-09-16T08:39:25			
[s] Observation end time (MET)	527245341.184000	527245475.3519			
Observation end date	2014-09-16T09:01:14	2014-09-16T09:04:35			

2.3 Aspect



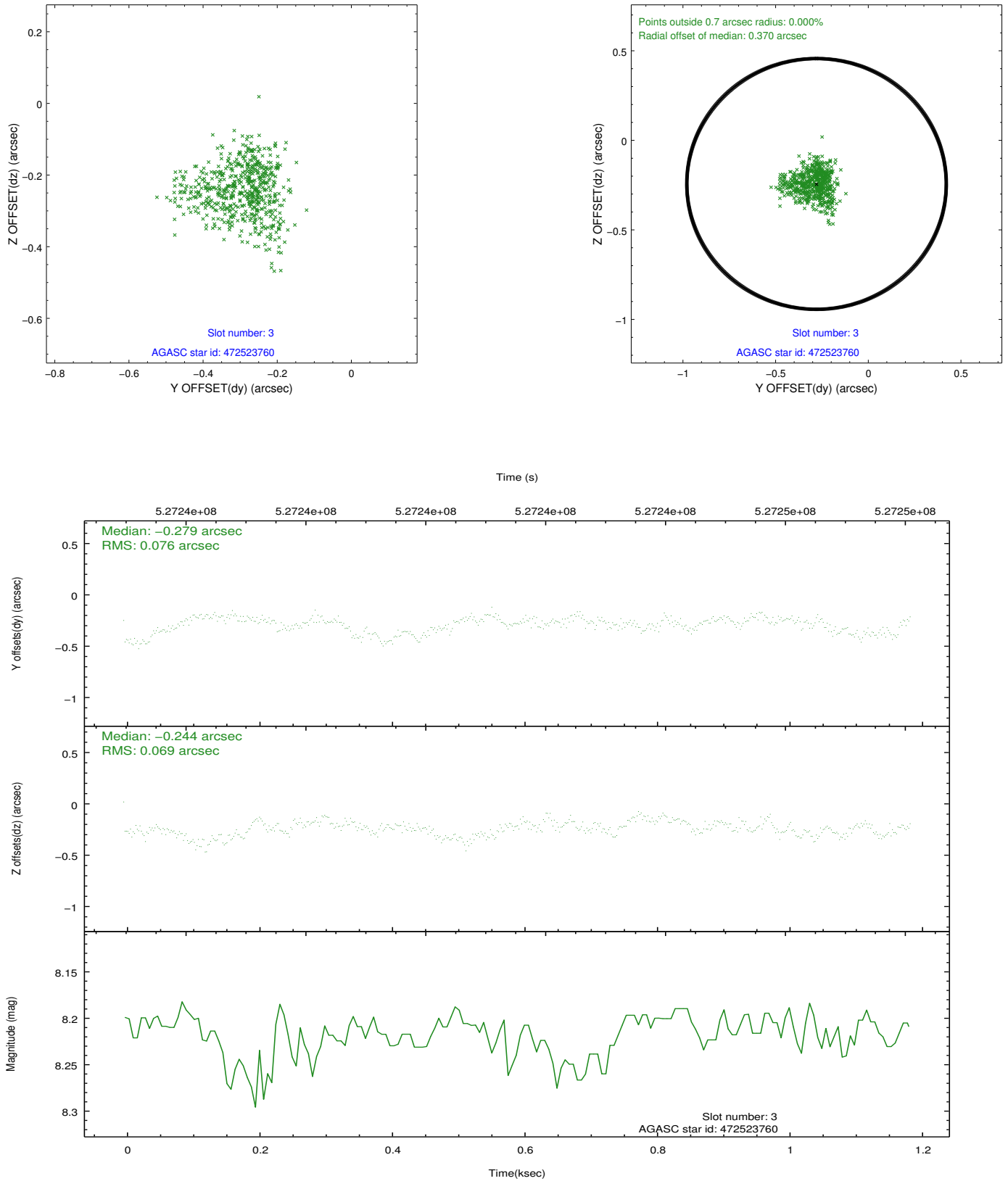


Slot Statistics

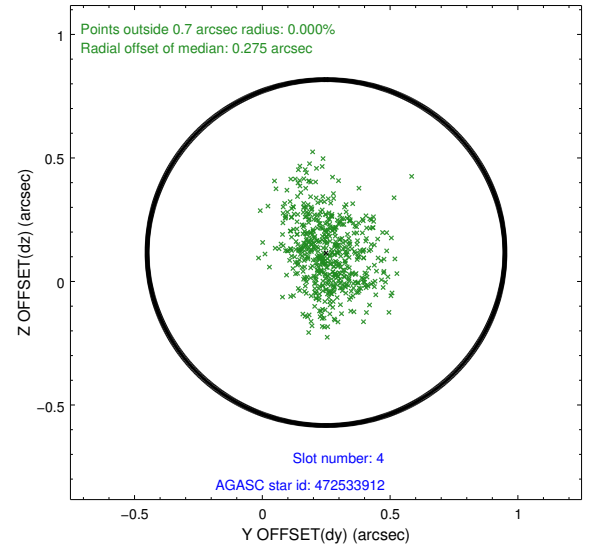
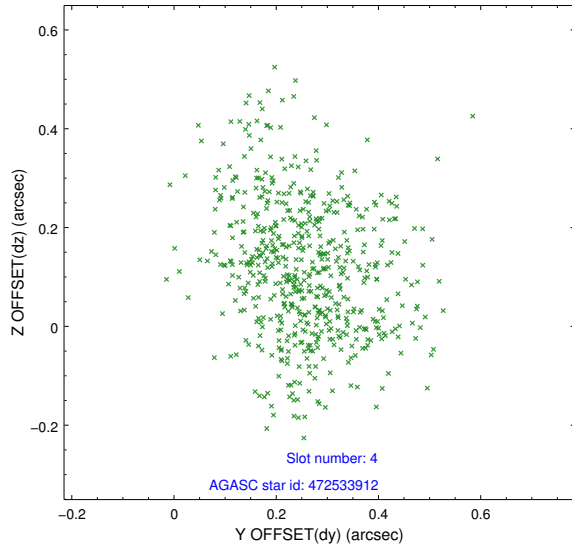
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.03	290	-0.078	-0.045	0.007	0.012	0.000000	0.000000	-782.70	-1306.44
1	FID	HRC-I-3	7.12	290	-0.203	-0.122	0.008	0.015	0.000000	0.000000	-1213.82	993.57
2	FID	HRC-I-4	7.04	290	0.394	0.079	0.006	0.010	0.000000	0.000000	1256.57	999.10
3	GUIDE	472523760	8.22	580	-0.279	-0.244	0.110	0.181	331.645363	45.403260	1811.04	874.53
4	GUIDE	472533912	9.15	580	0.249	0.117	0.180	0.300	331.791136	46.368695	-145.61	-2016.89
5	GUIDE	472535576	7.85	580	-0.153	0.179	0.093	0.152	331.438373	46.291802	754.30	-2192.13
6	GUIDE	472655152	9.41	580	-0.023	-0.228	0.194	0.312	332.504239	45.862991	-872.45	418.14
7	GUIDE	472665256	8.99	578	0.226	0.187	0.099	0.167	332.808125	46.195041	-2100.03	-287.93

2.4 Star Slots

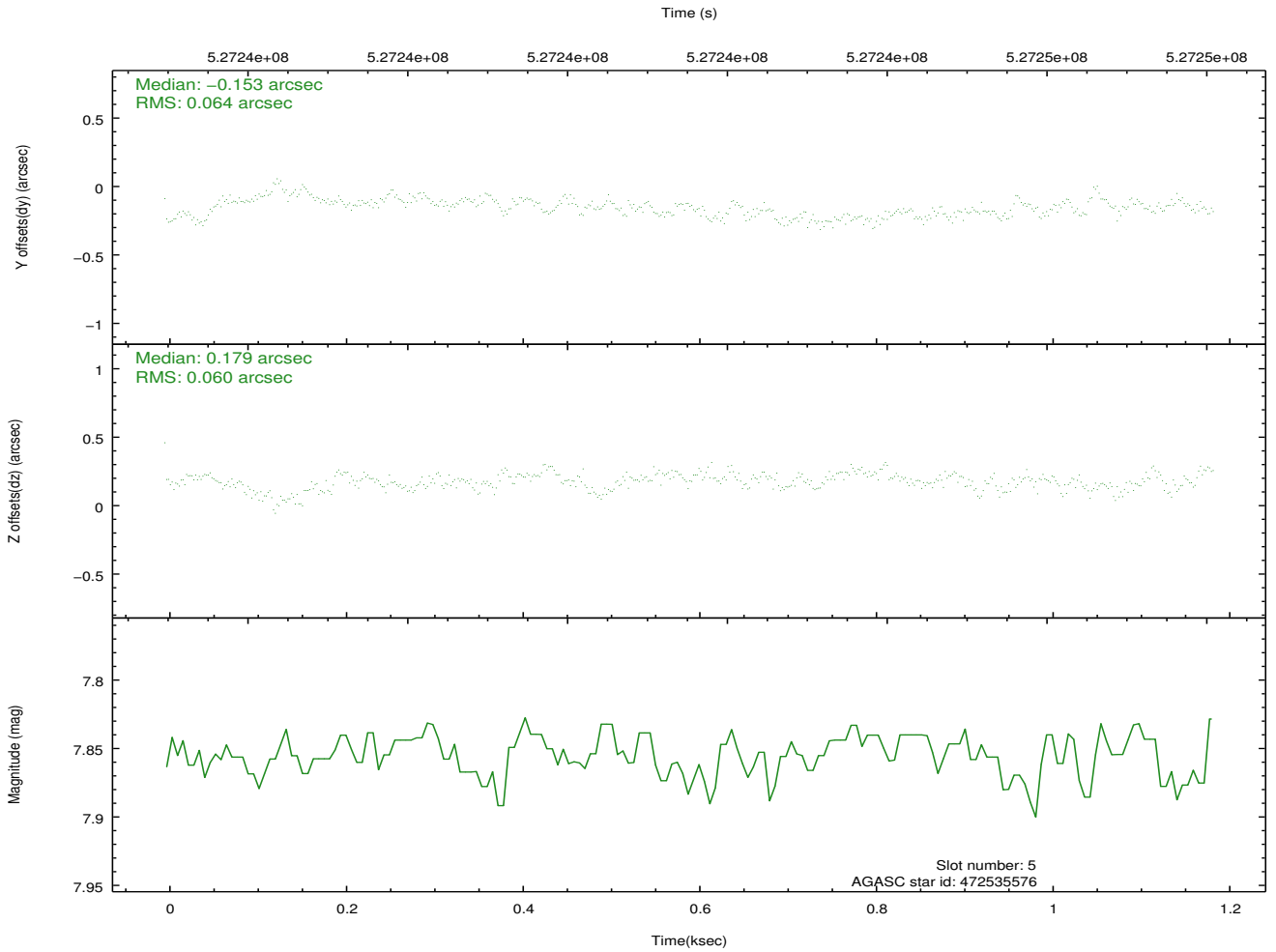
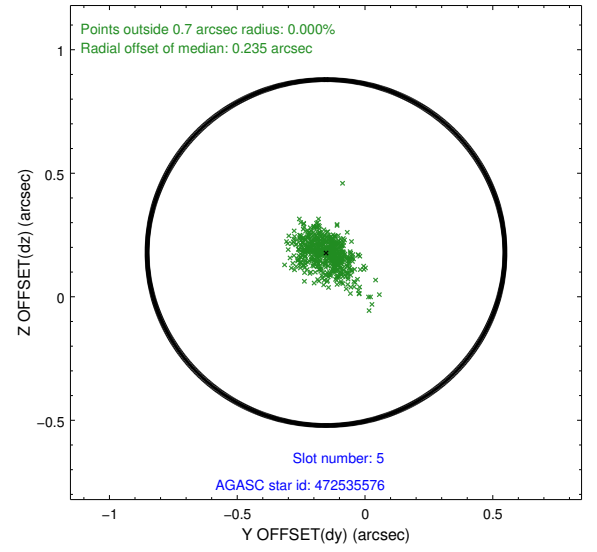
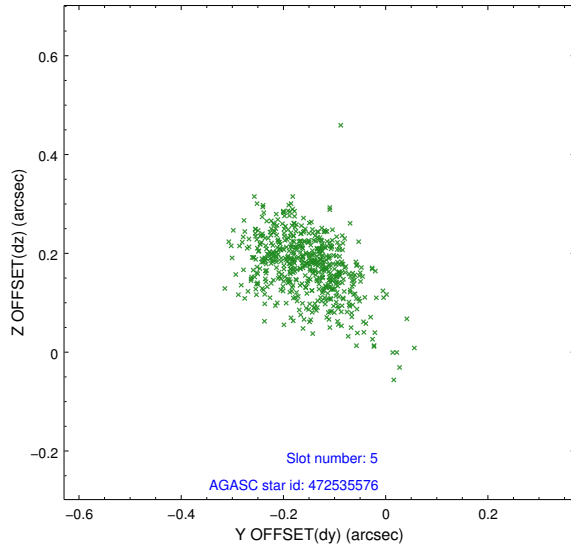
2.4.1 Slot 3



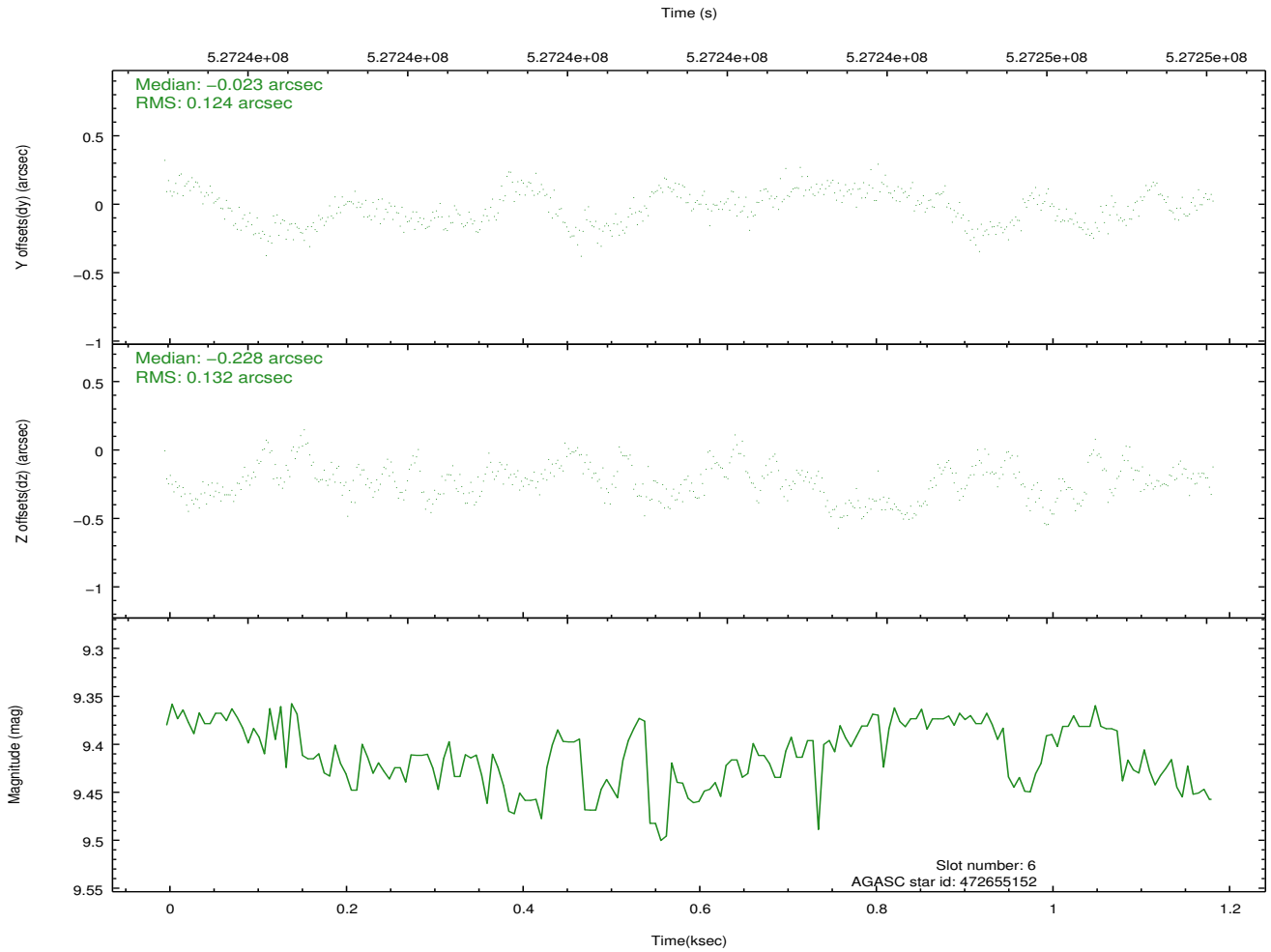
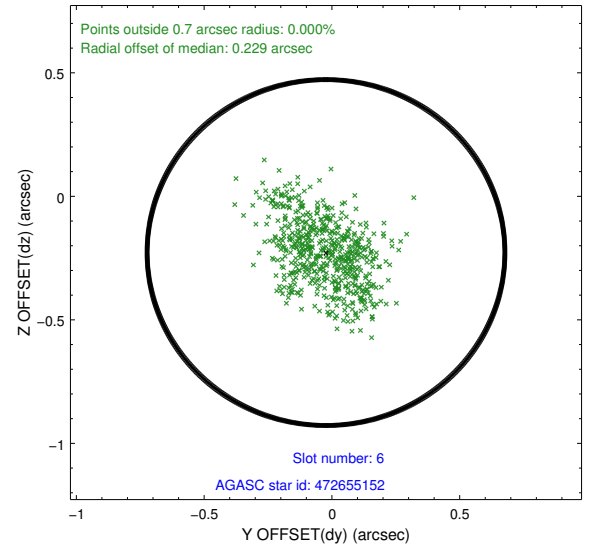
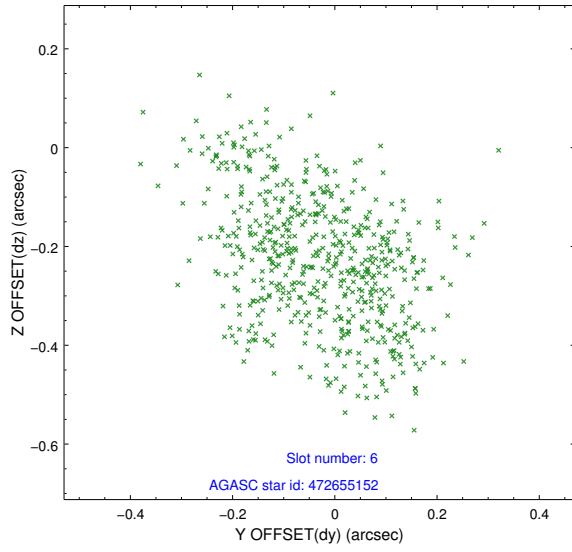
2.4.2 Slot 4



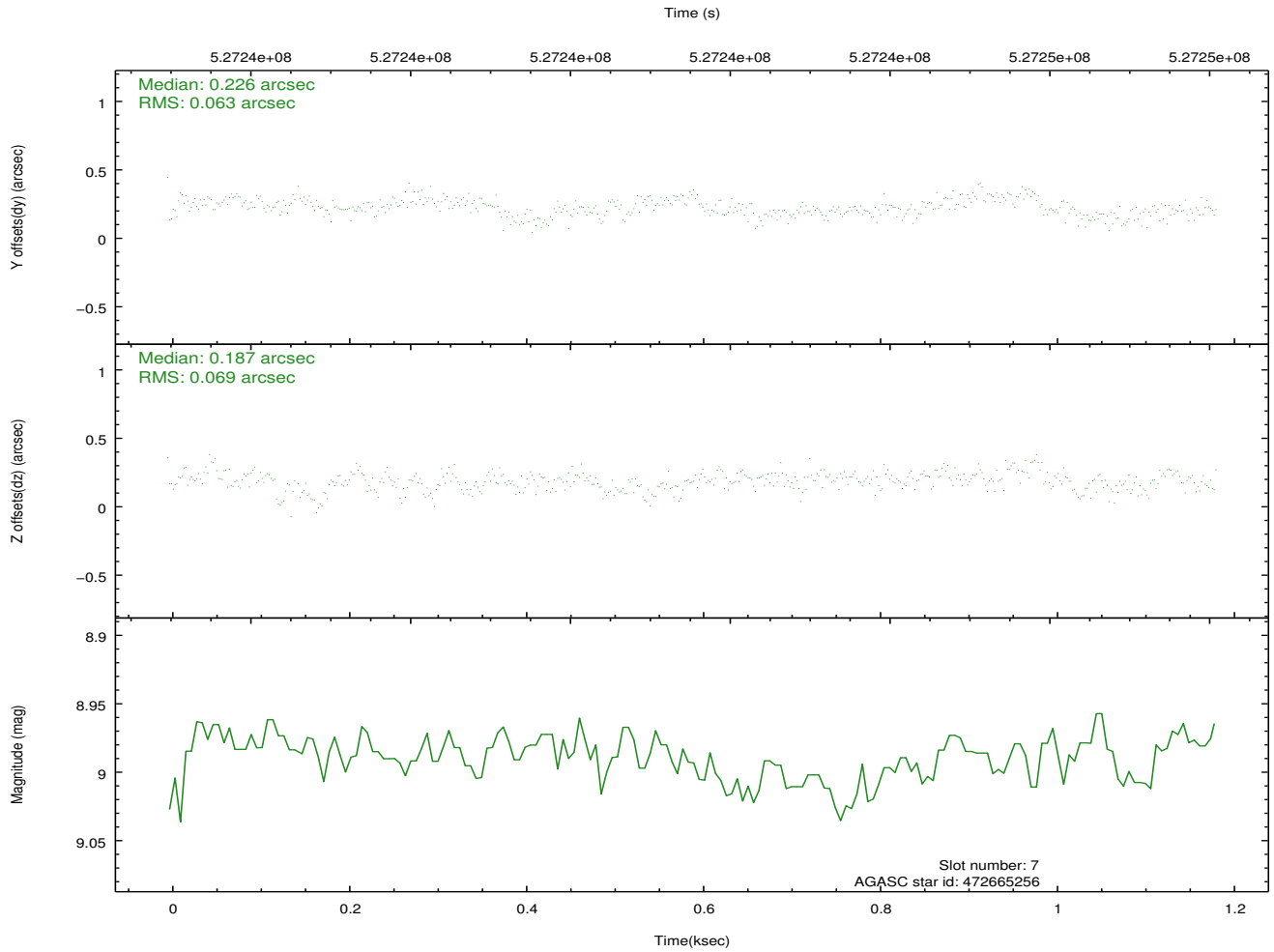
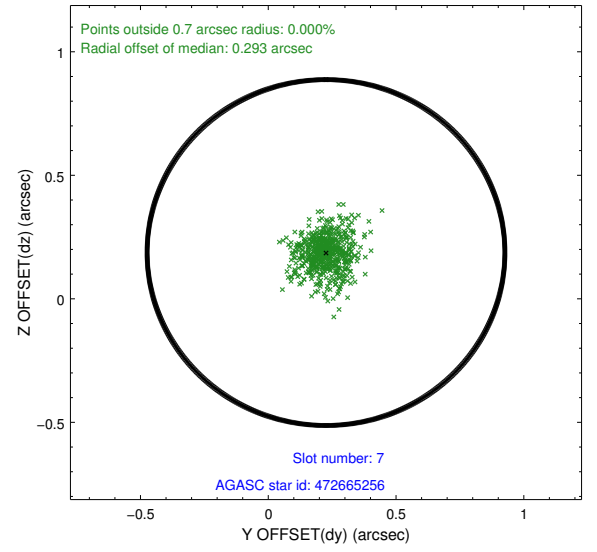
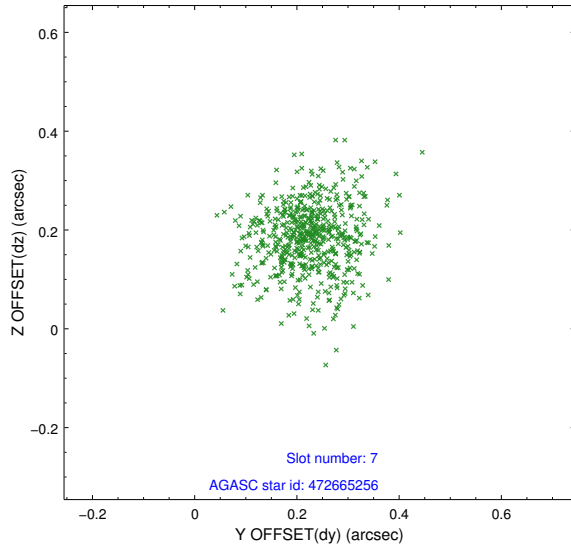
2.4.3 Slot 5



2.4.4 Slot 6

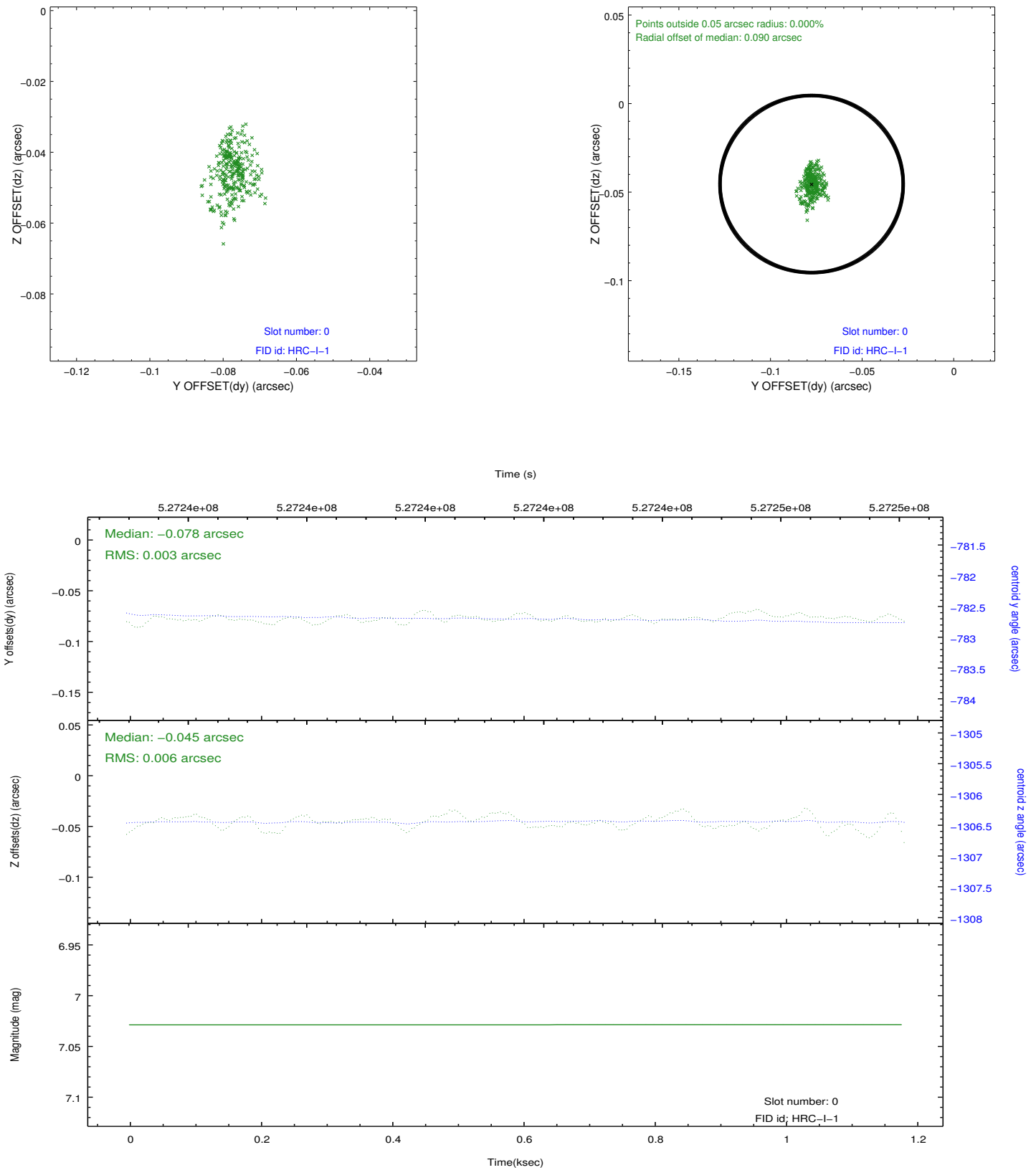


2.4.5 Slot 7

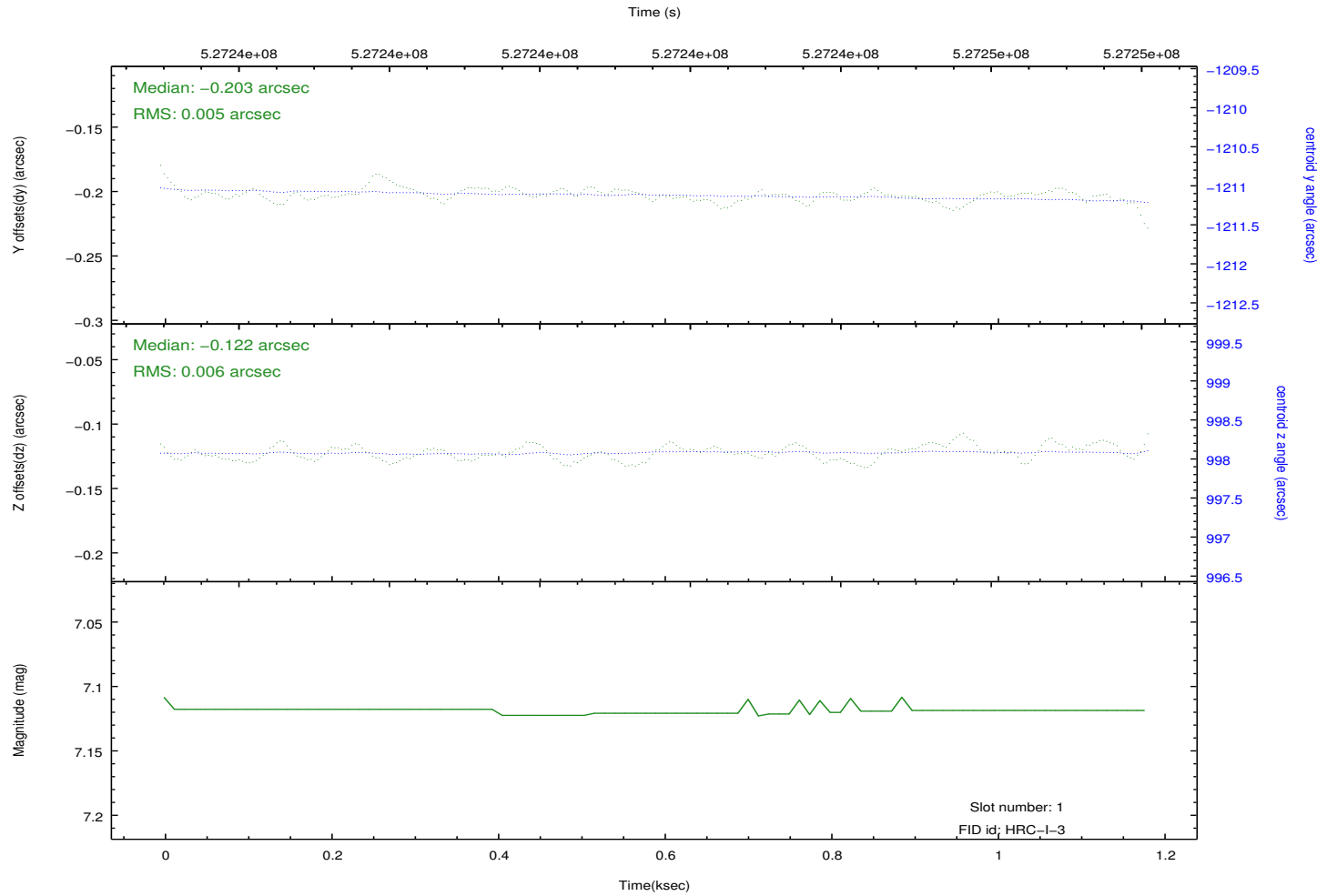
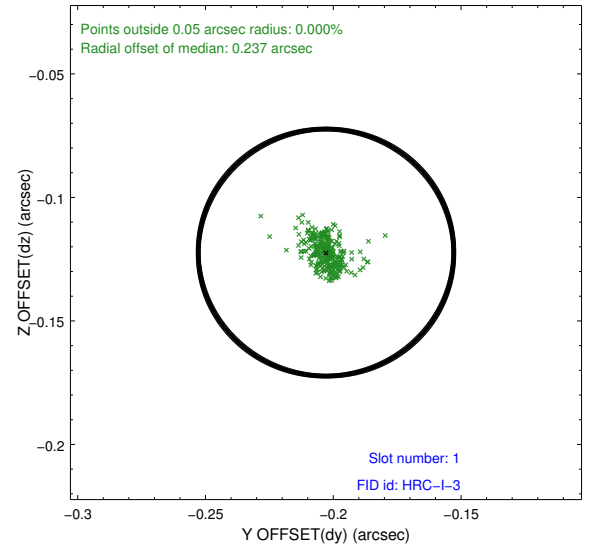
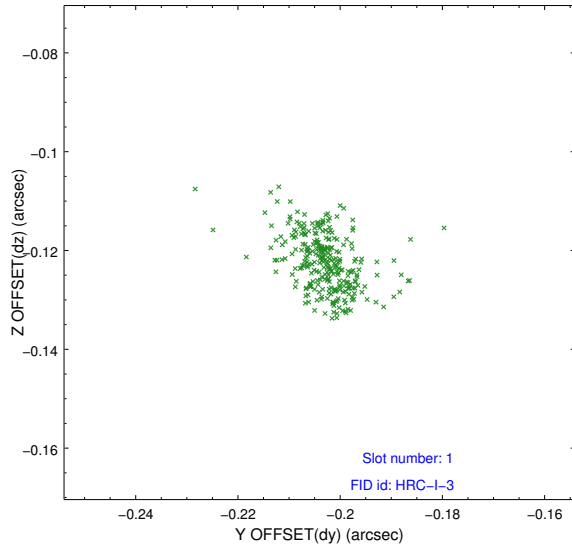


2.5 FID Slots

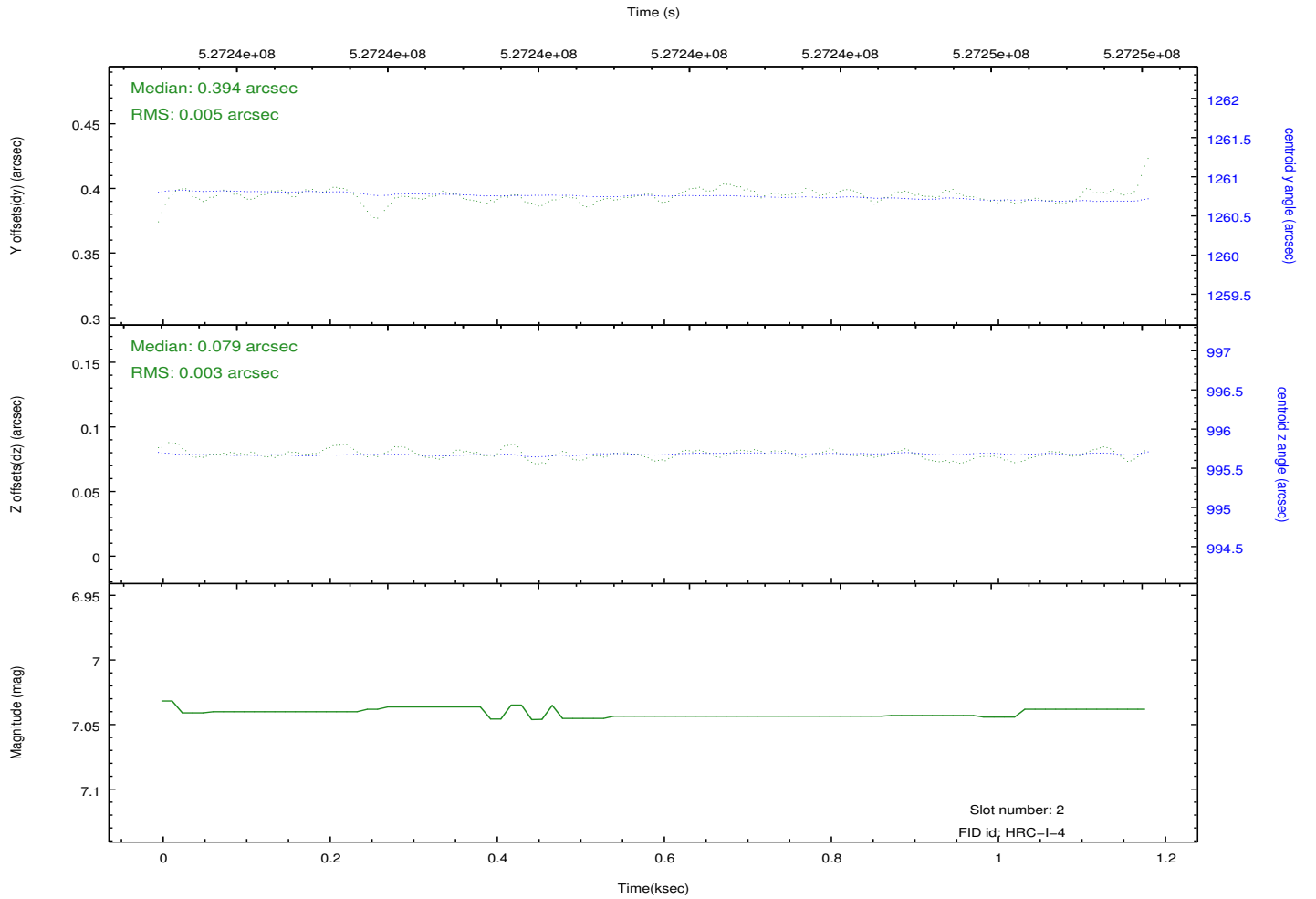
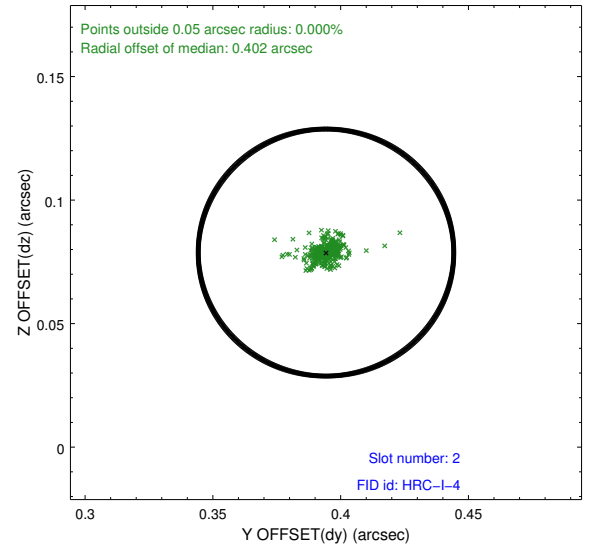
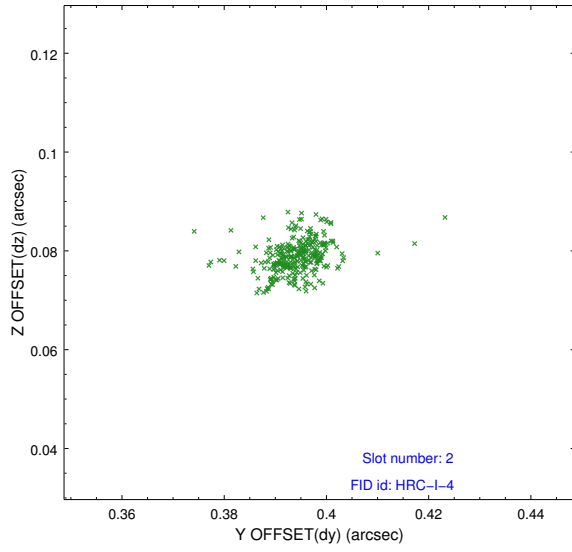
2.5.1 Slot 0



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	1.1861813158989

A.2 Comments