

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16389 - L2 Version 1
Chandra X-Ray Center

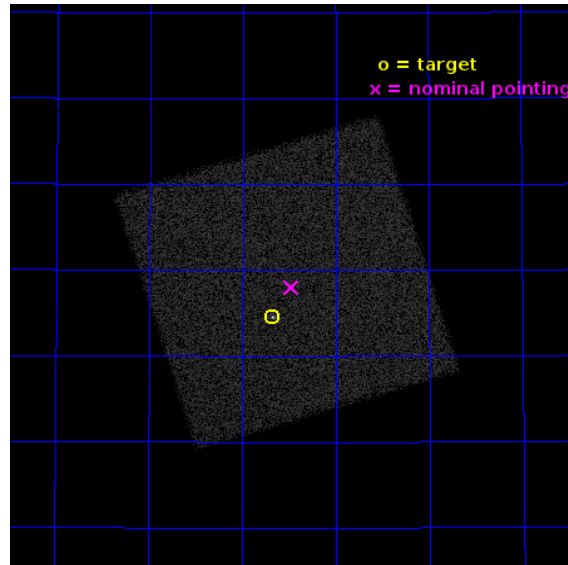
L2 Processing Date : Sep 16 2014

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

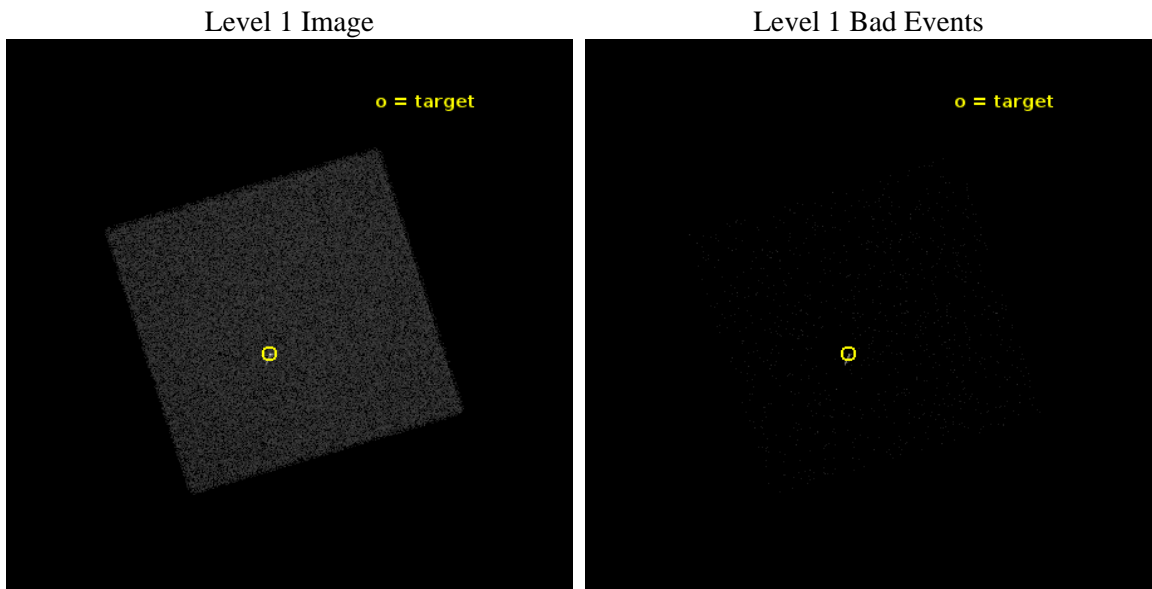
seq_num	291161	Sequence number
obs_id	16389	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.11881669292	Nominal RA [deg]
dec_nom	45.80041685851	Nominal Dec [deg]
roll_nom	207.71777676921	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.0813155174	[s]
livetime	1172.6985017179	Ontime multiplied by DTCOR
l2events	75578	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	1182.0813155174	[s]
caldsver	4.6.3	 	l1events	128034	Number of level 1 events
date	2014-09-16T20:21:05	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

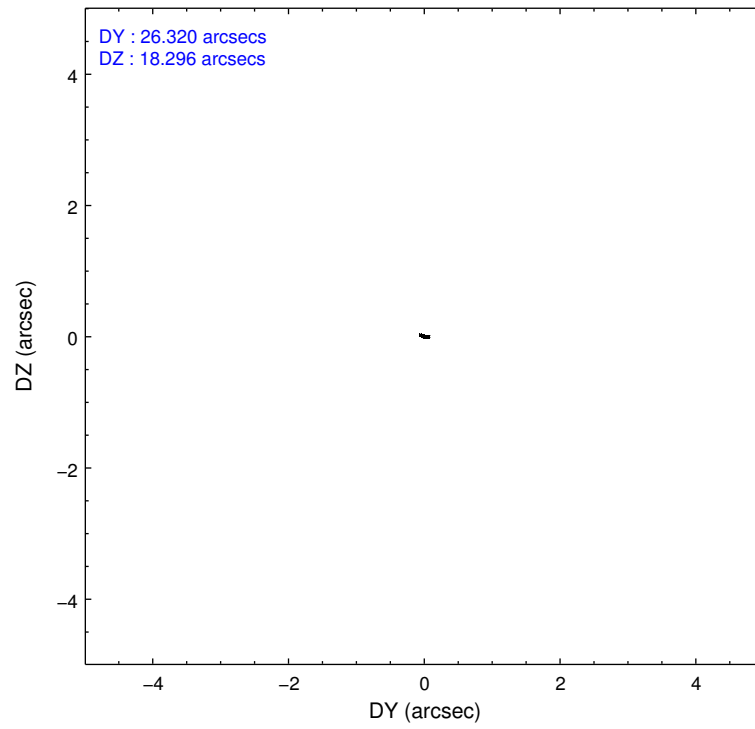
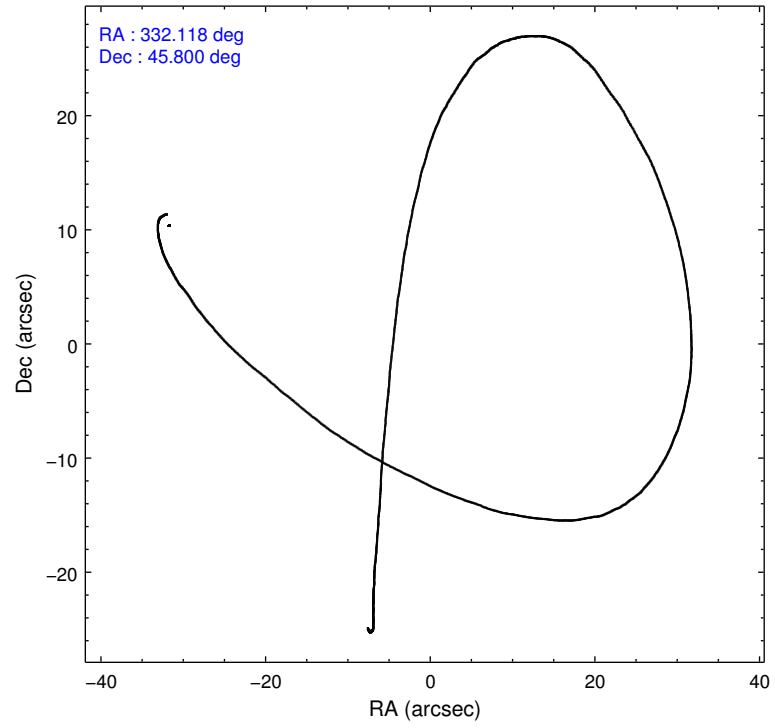
Level 1 Events

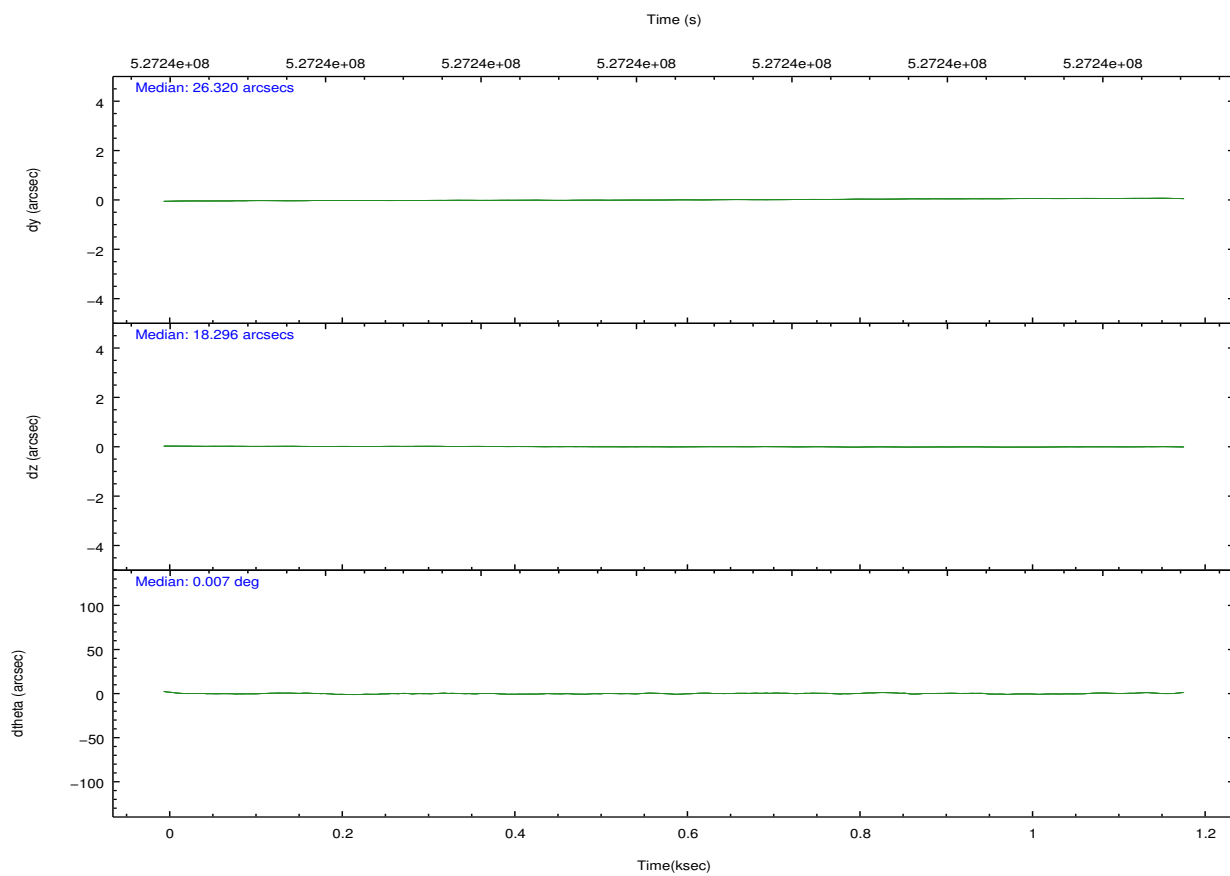
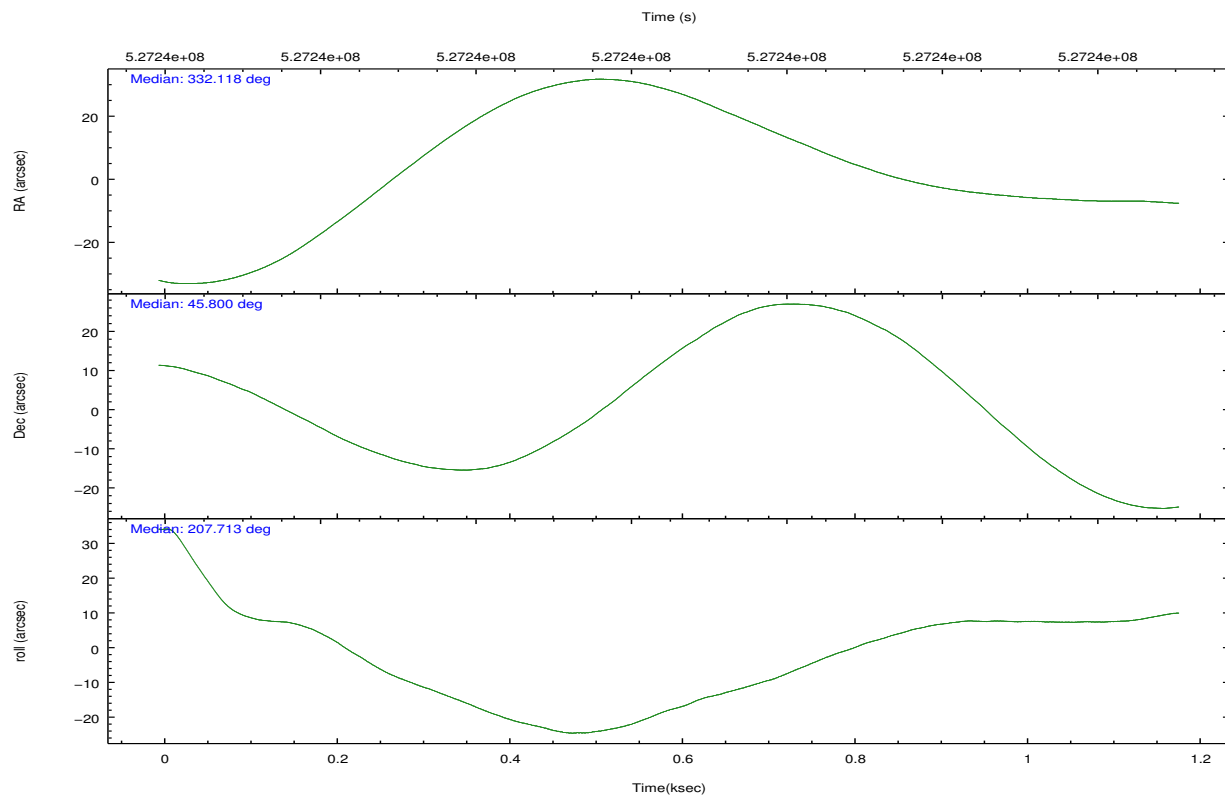
	segment 0
level 1 events	128034
rejected events	27692
rejected %	21%

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	332.139485	332.1188166929211			
[deg] Pointing Dec	45.824158	45.80041685851018			
[deg] Pointing Roll	207.798490	207.7177767692057			
[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)	527242831.184000	527242455.18923			
Observation start date	2014-09-16T08:19:24	2014-09-16T08:14:15			
[s] Observation end time (MET)	527243831.184000	527243965.52682			
Observation end date	2014-09-16T08:36:04	2014-09-16T08:39:25			

2.3 Aspect



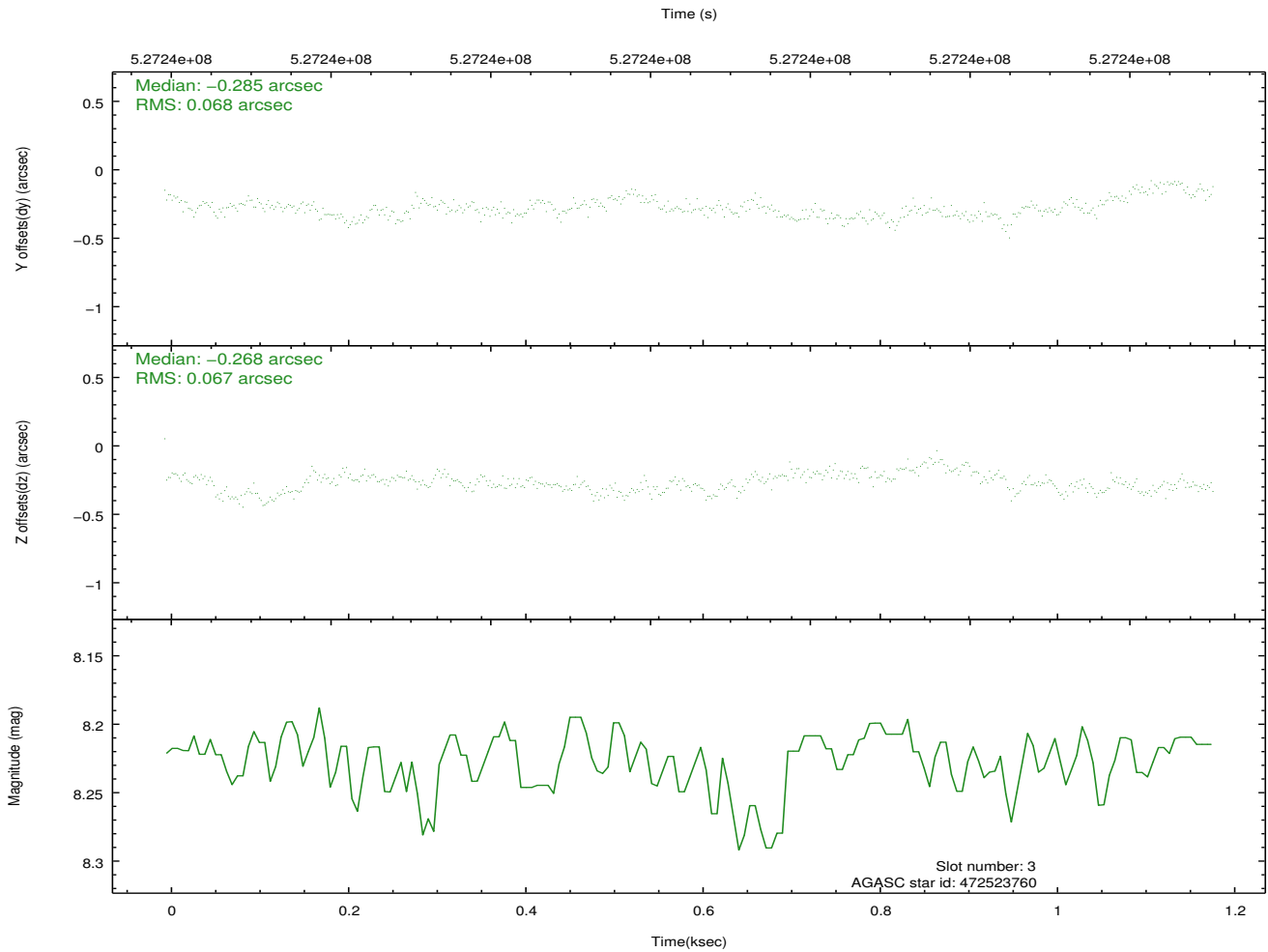
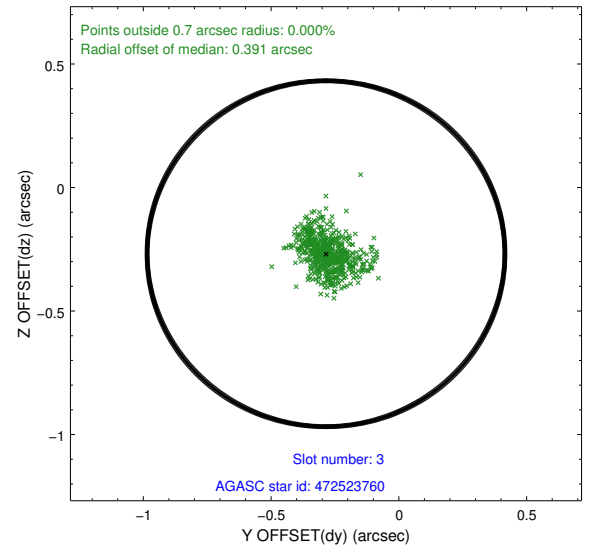
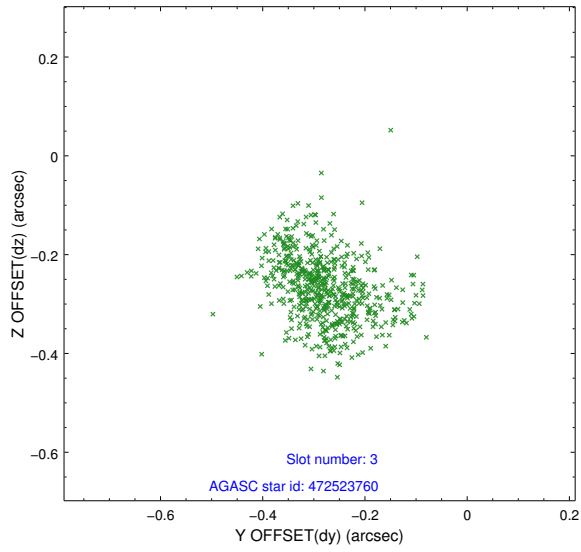


Slot Statistics

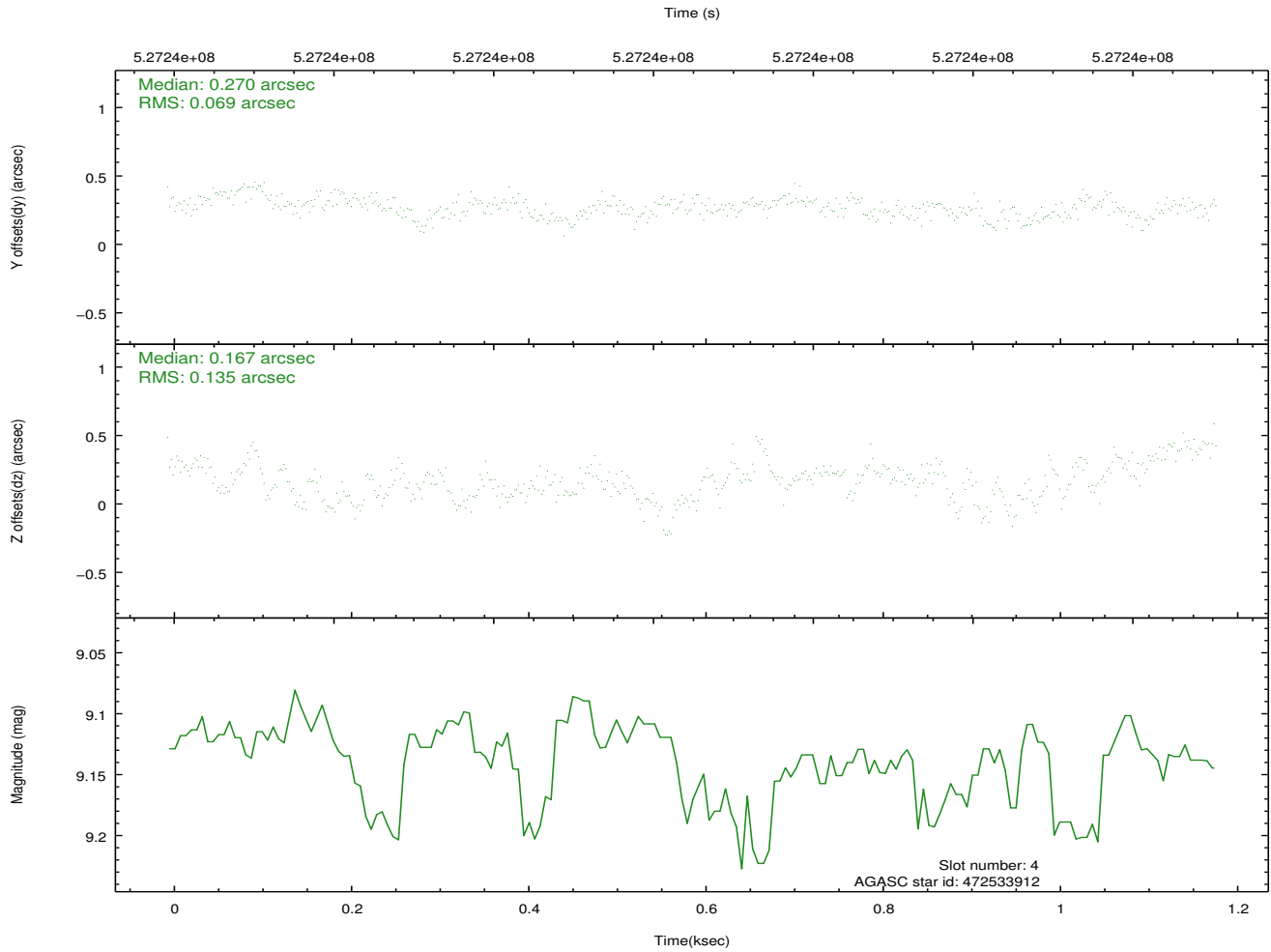
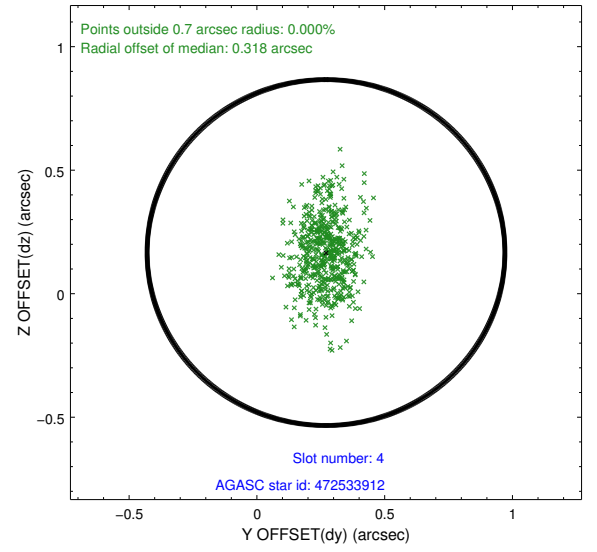
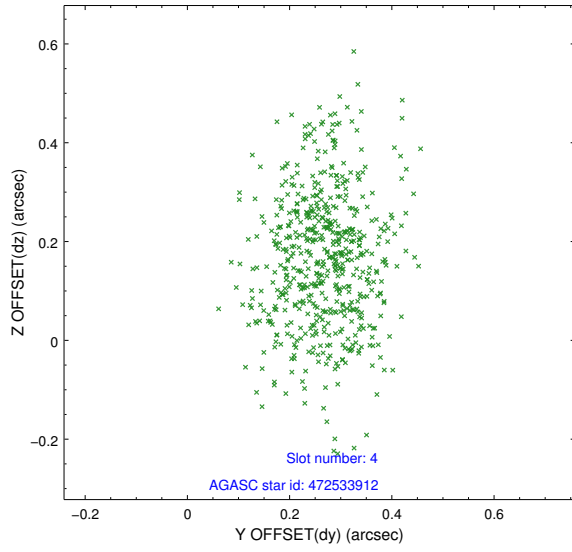
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.03	289	-0.121	0.023	0.007	0.012	0.000000	0.000000	-782.54	-1306.48
1	FID	HRC-I-2	7.06	289	0.252	-0.101	0.006	0.010	0.000000	0.000000	827.76	-1312.66
2	FID	HRC-I-3	7.11	289	-0.012	-0.012	0.006	0.011	0.000000	0.000000	-1208.09	993.50
3	GUIDE	472523760	8.22	578	-0.285	-0.268	0.103	0.169	331.645363	45.403260	1808.30	754.31
4	GUIDE	472533912	9.13	577	0.270	0.167	0.159	0.275	331.791136	46.368695	-147.28	-2138.02
5	GUIDE	472535576	7.86	578	-0.172	0.226	0.098	0.163	331.438373	46.291802	752.70	-2312.90
6	GUIDE	472655152	9.42	577	0.022	-0.285	0.182	0.305	332.504239	45.862991	-874.97	296.62
7	GUIDE	472665256	8.98	577	0.176	0.190	0.168	0.378	332.808125	46.195041	-2102.35	-409.82

2.4 Star Slots

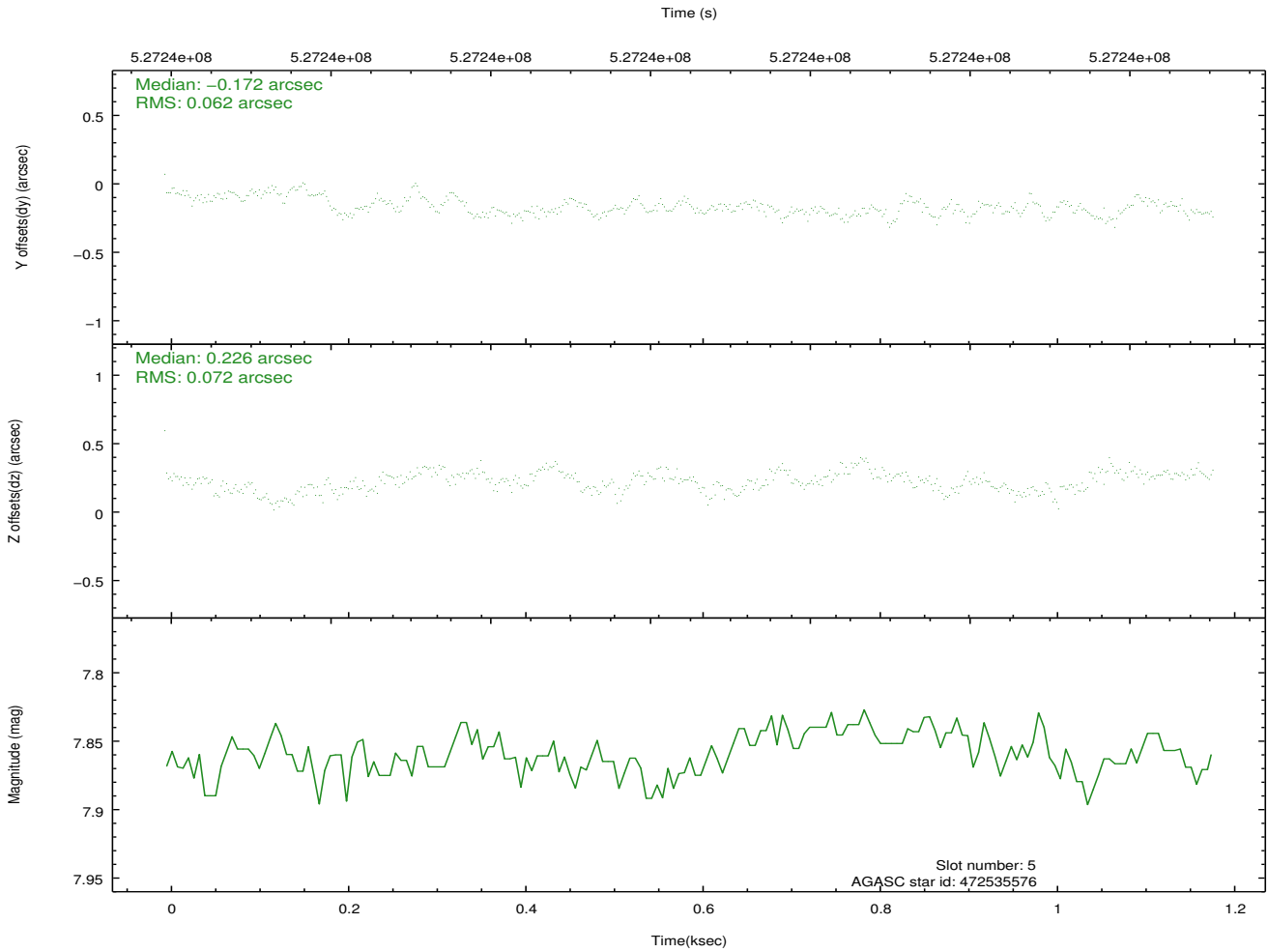
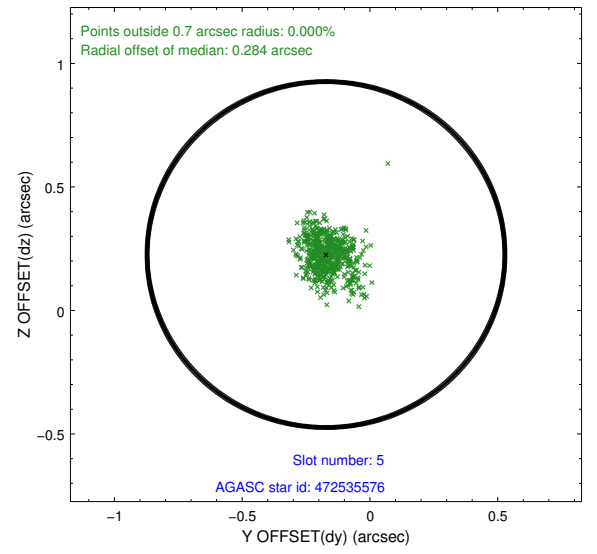
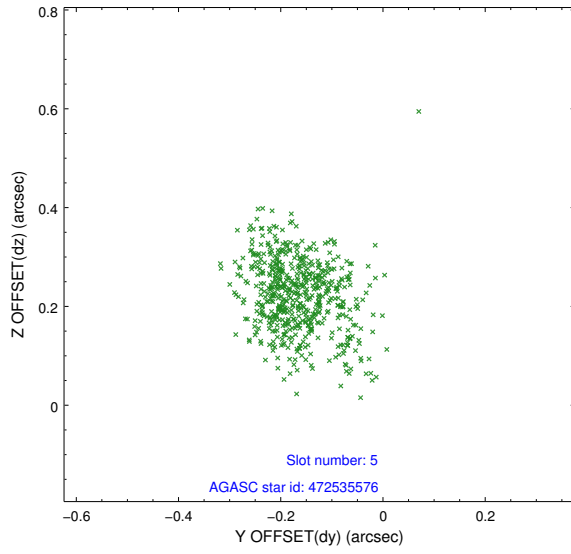
2.4.1 Slot 3



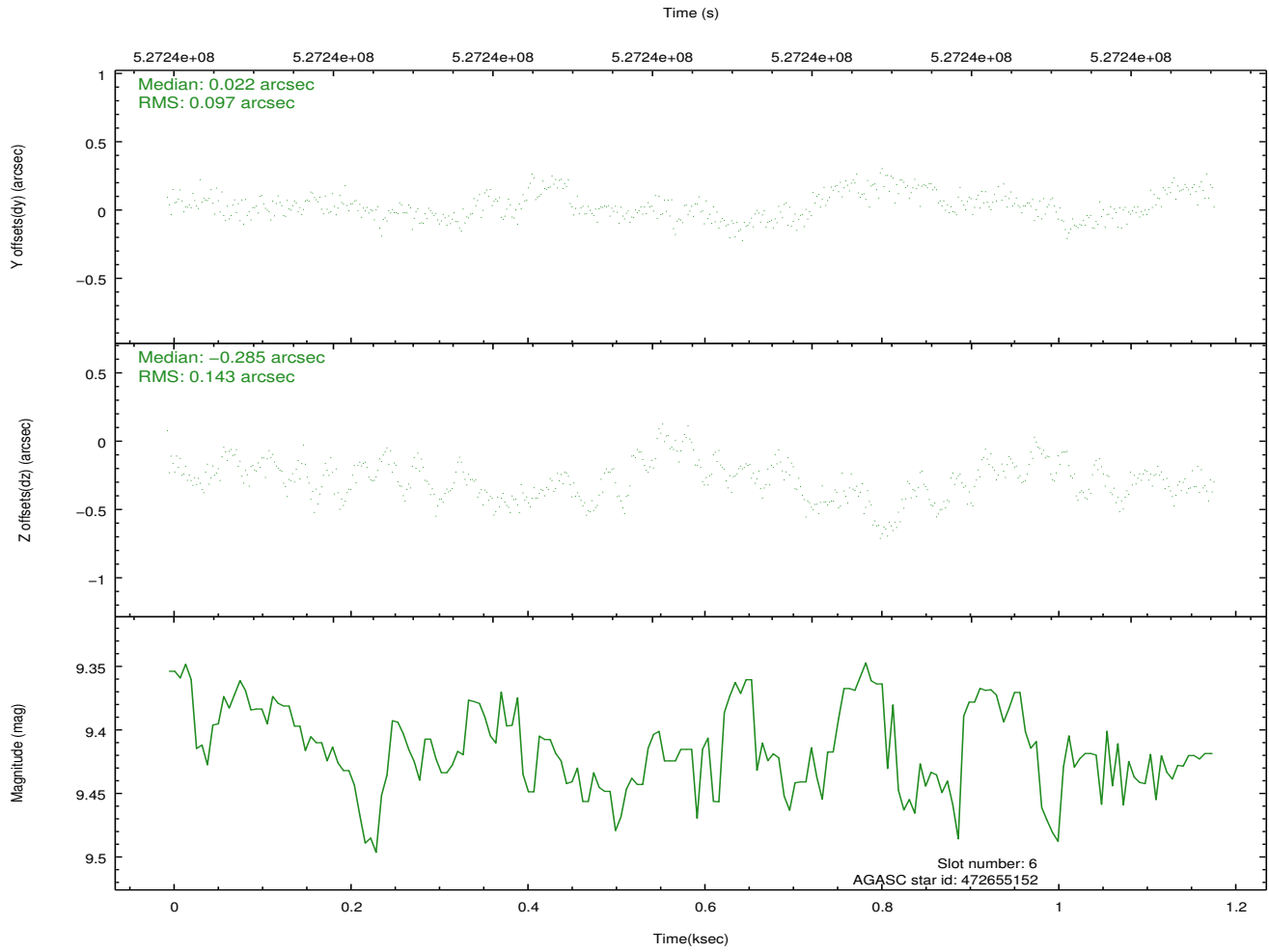
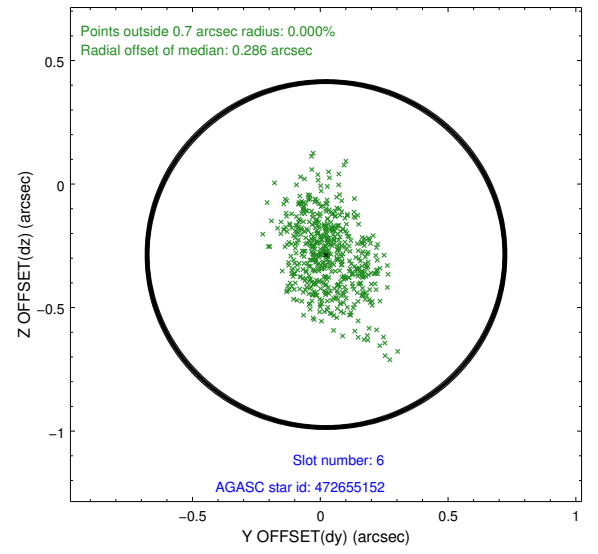
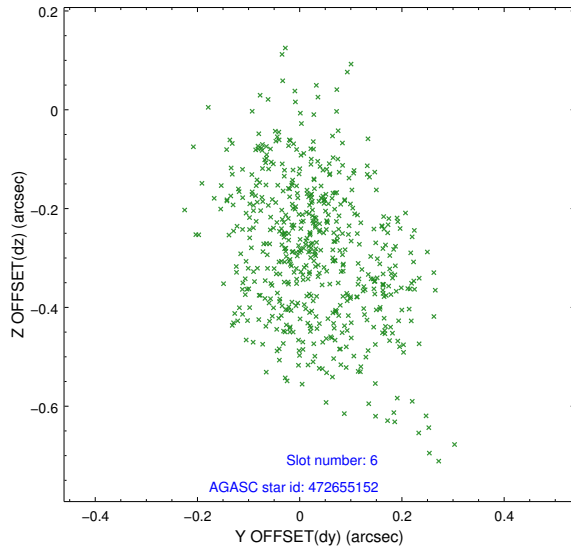
2.4.2 Slot 4



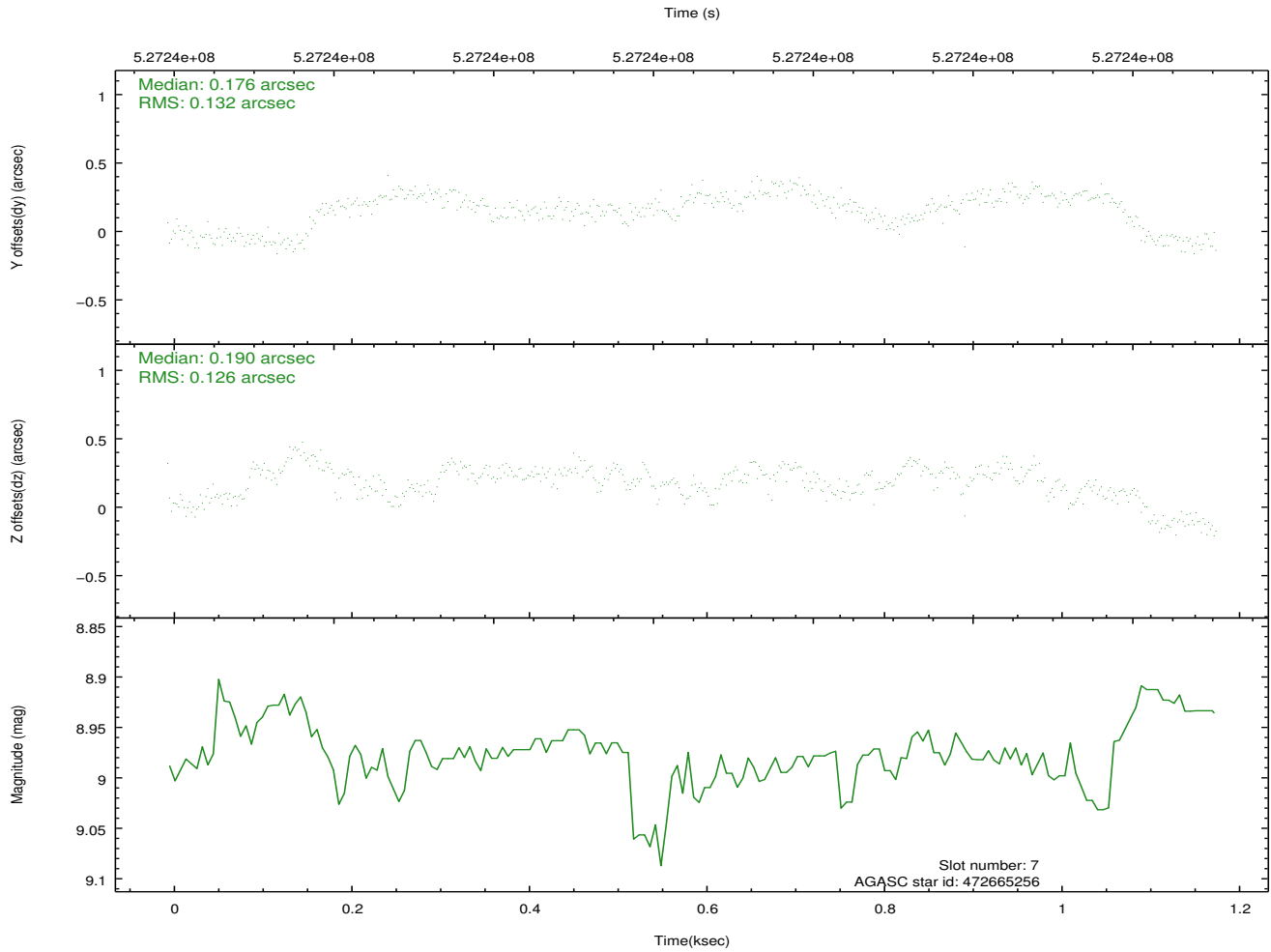
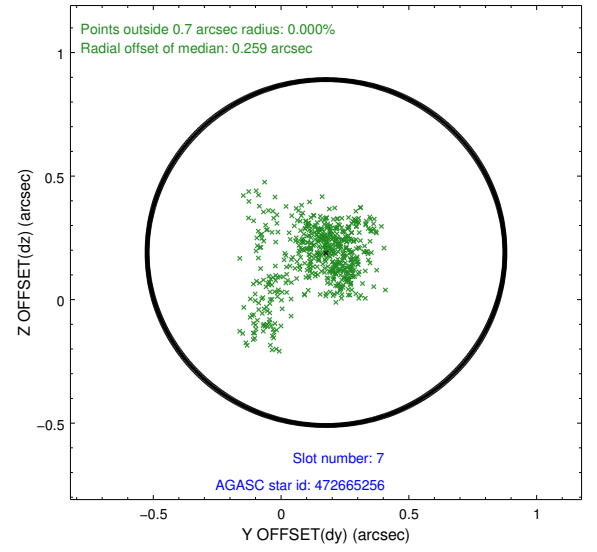
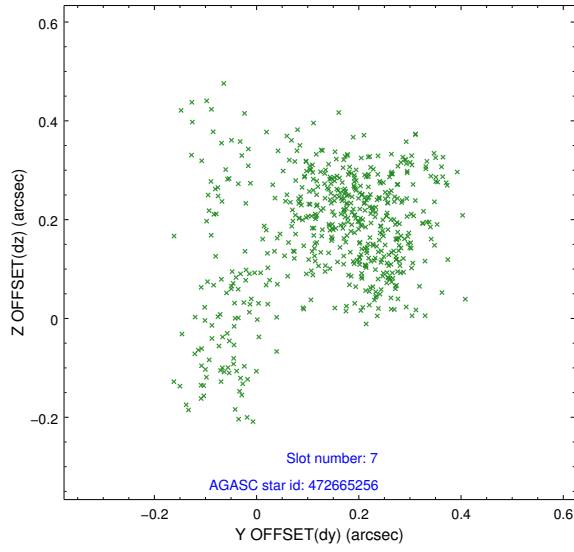
2.4.3 Slot 5



2.4.4 Slot 6

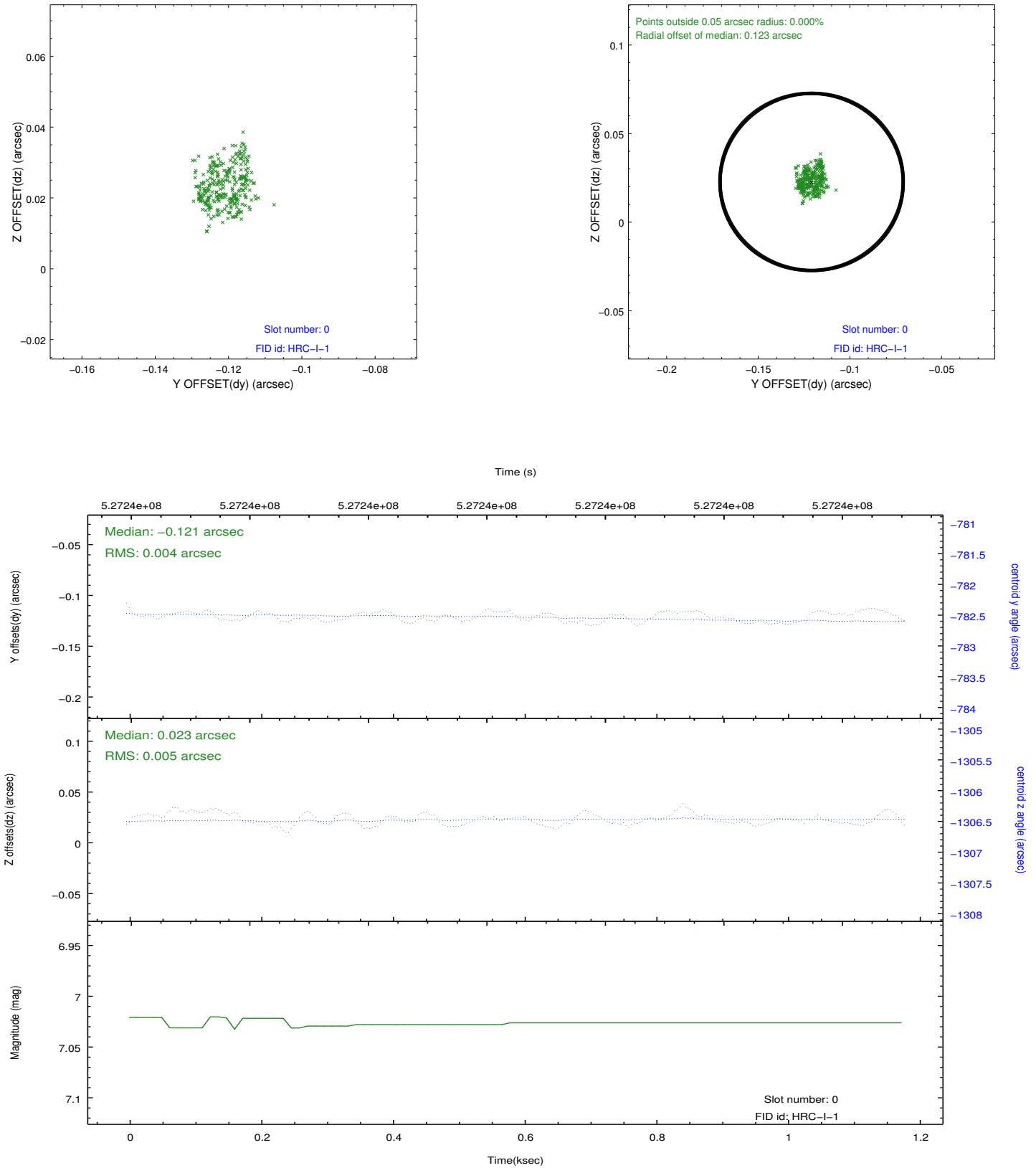


2.4.5 Slot 7

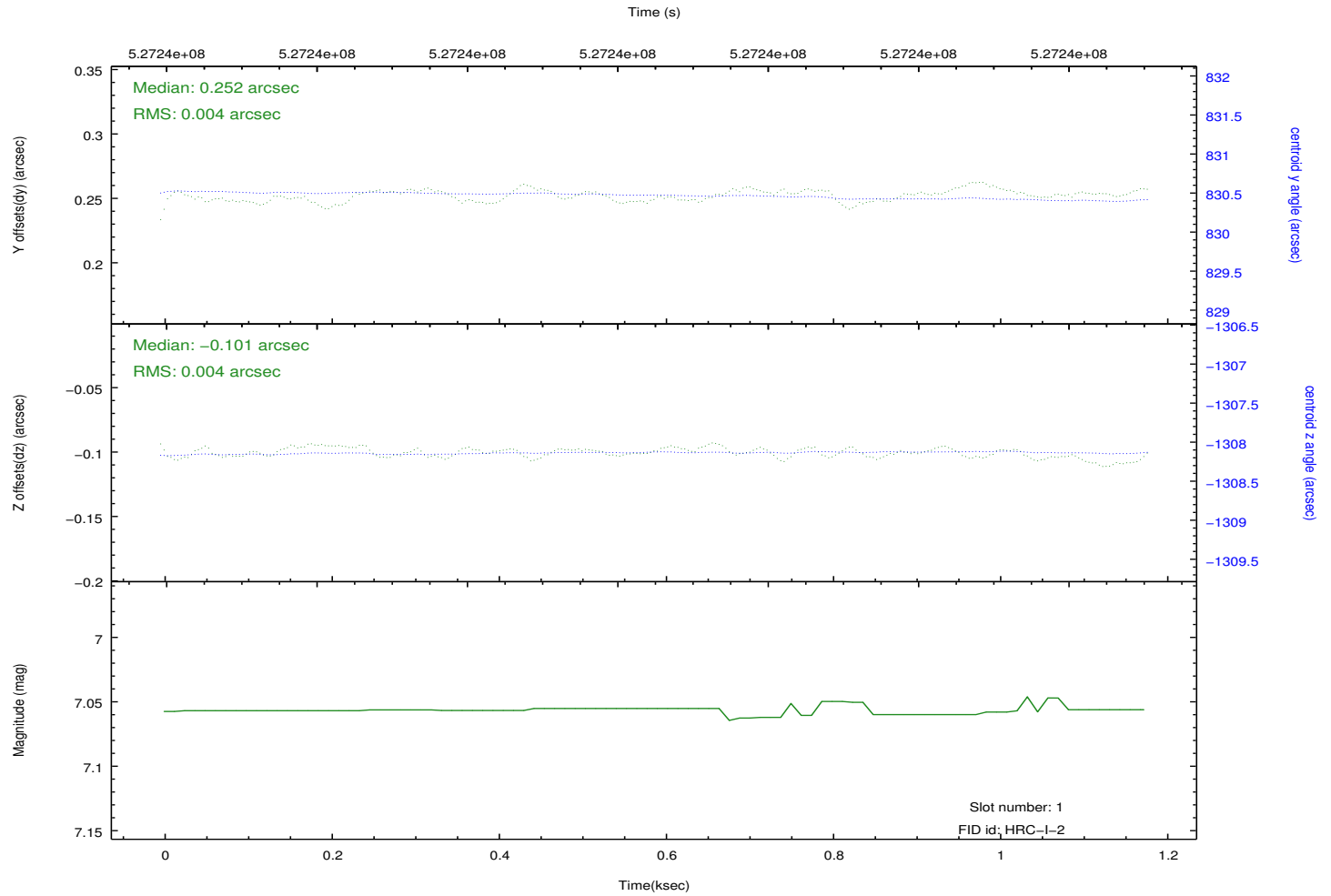
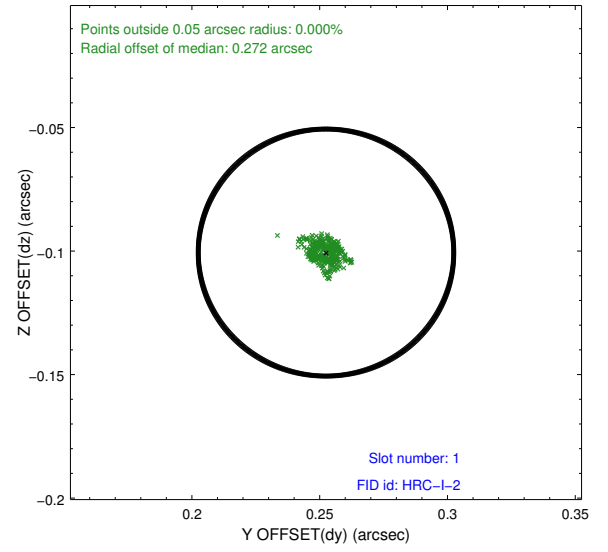
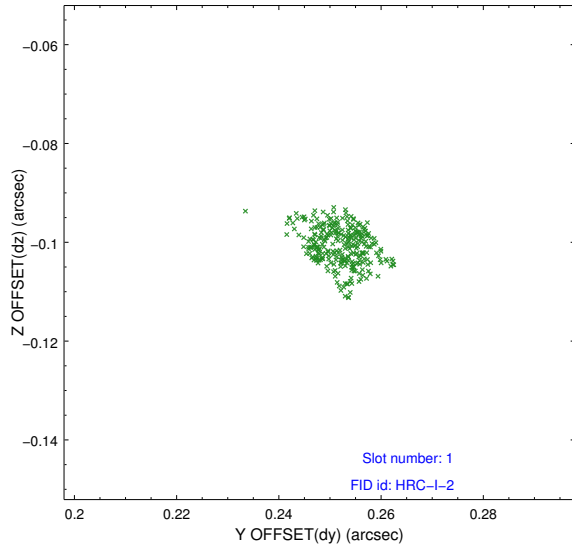


2.5 FID Slots

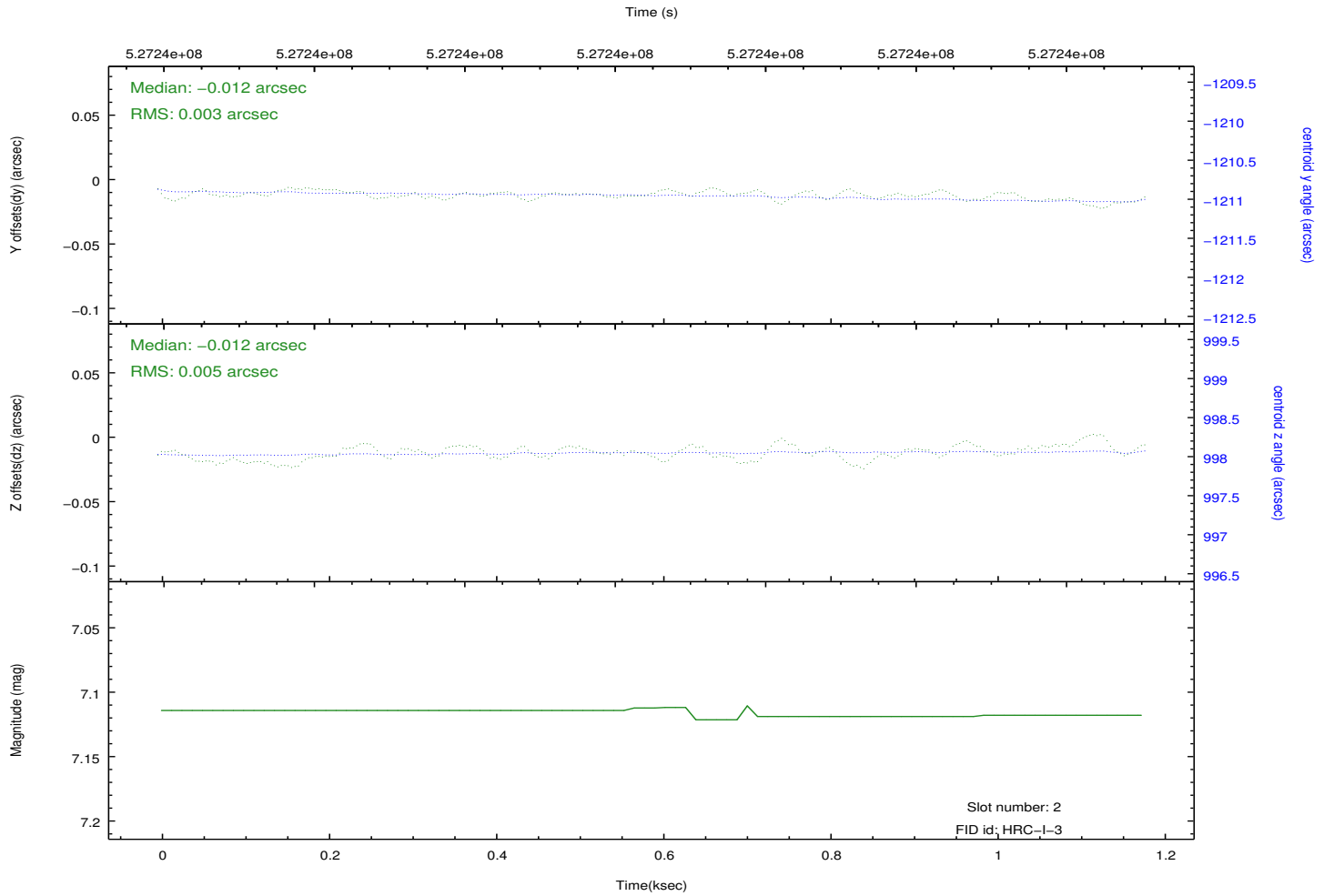
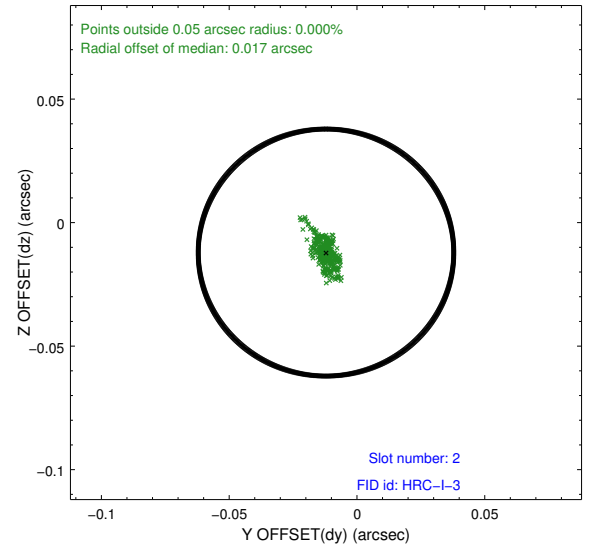
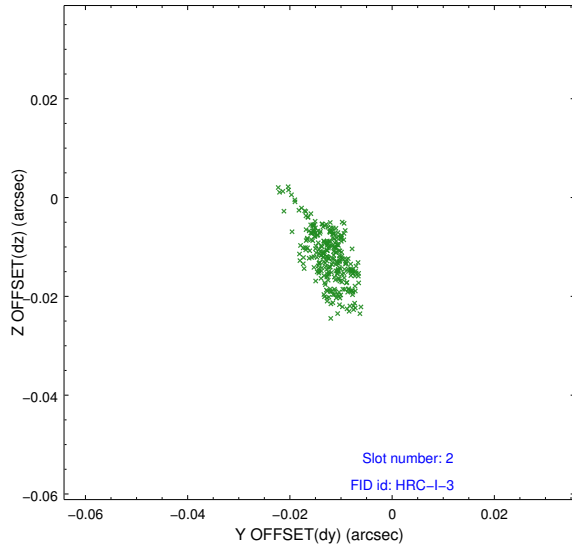
2.5.1 Slot 0



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	1.1820813155174

A.2 Comments