

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4295 - L2 Version 4
Chandra X-Ray Center

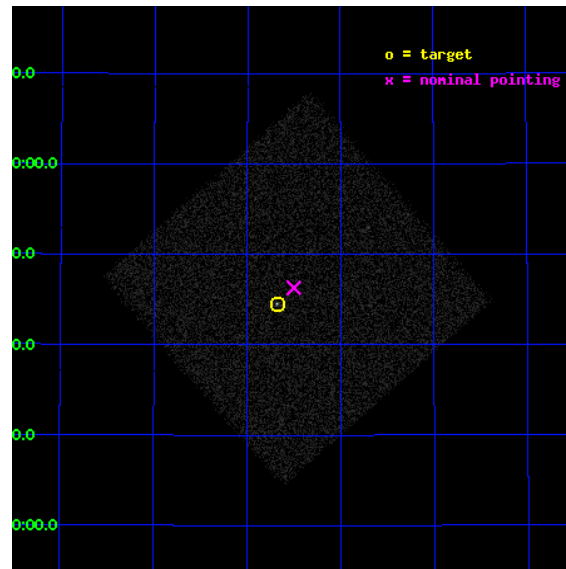
L2 Processing Date : Oct 23 2012

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

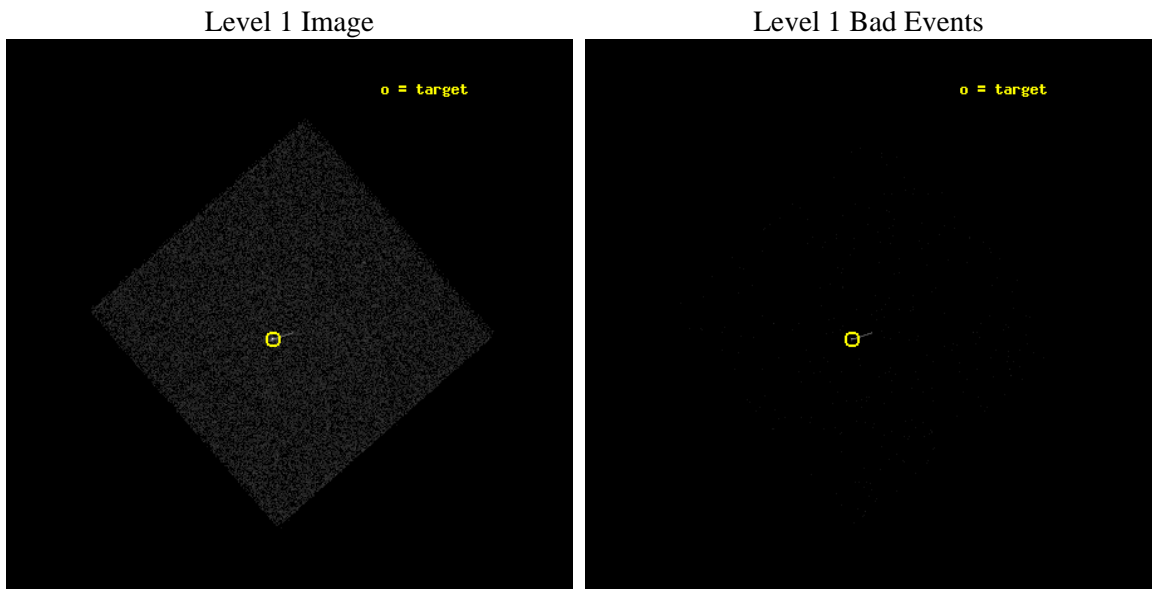
seq_num	290255	Sequence number
obs_id	4295	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12498654796	Nominal RA [deg]
dec_nom	45.772025034811	Nominal Dec [deg]
roll_nom	3.7341704199021	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1184.1312997937	[s]
livetime	1177.6493582132	Ontime multiplied by DTCOR
l2events	36590	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	8.4.5	Processing system revision	ontime	1184.1312997937	[s]
caldbver	4.5.2	 	l1events	67397	Number of level 1 events
date	2012-10-23T09:27:26	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

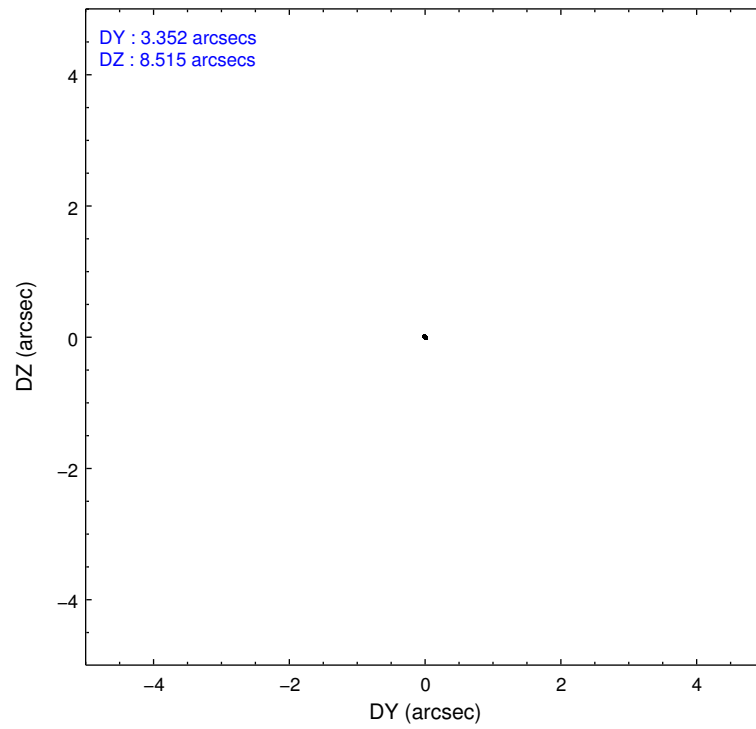
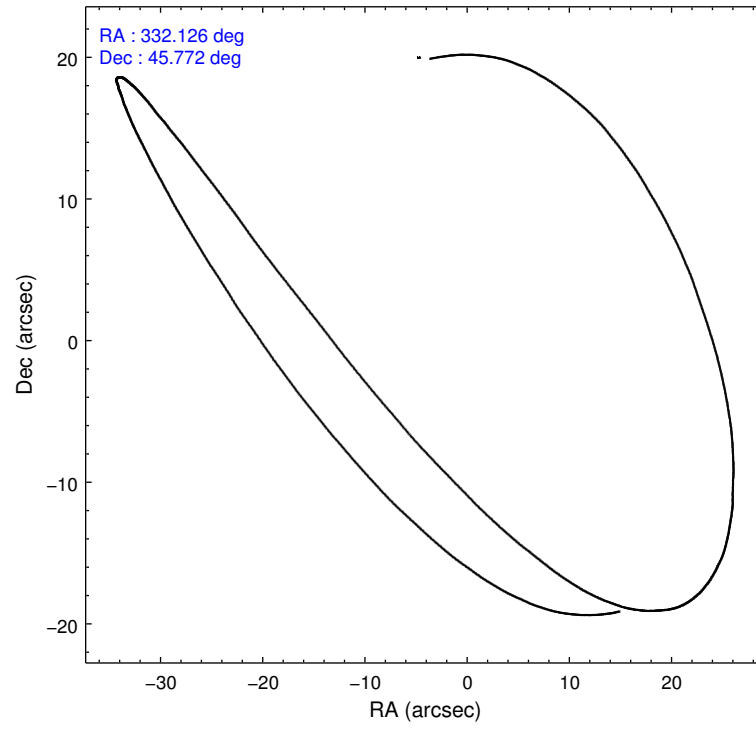
	segment 0
level 1 events	67397
rejected events	15249
rejected %	22%

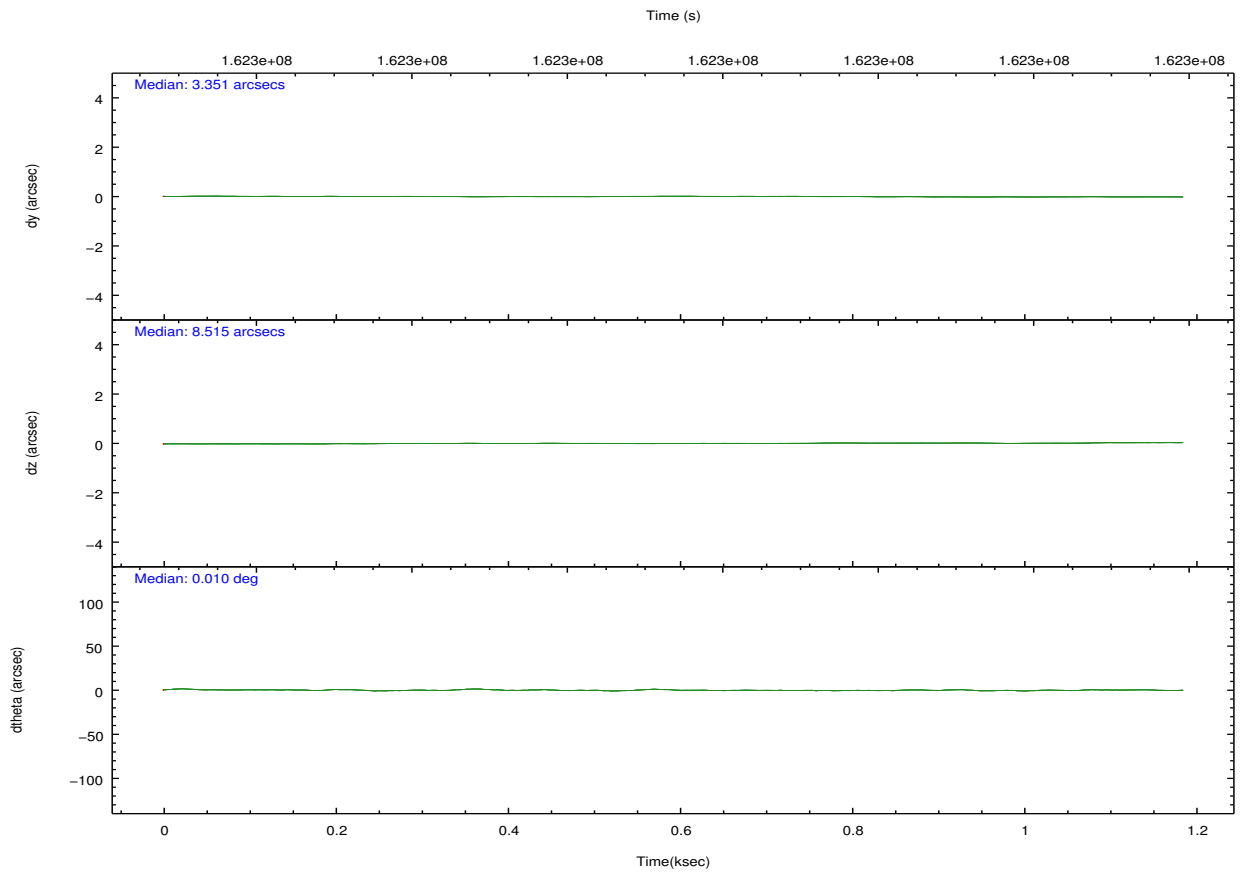
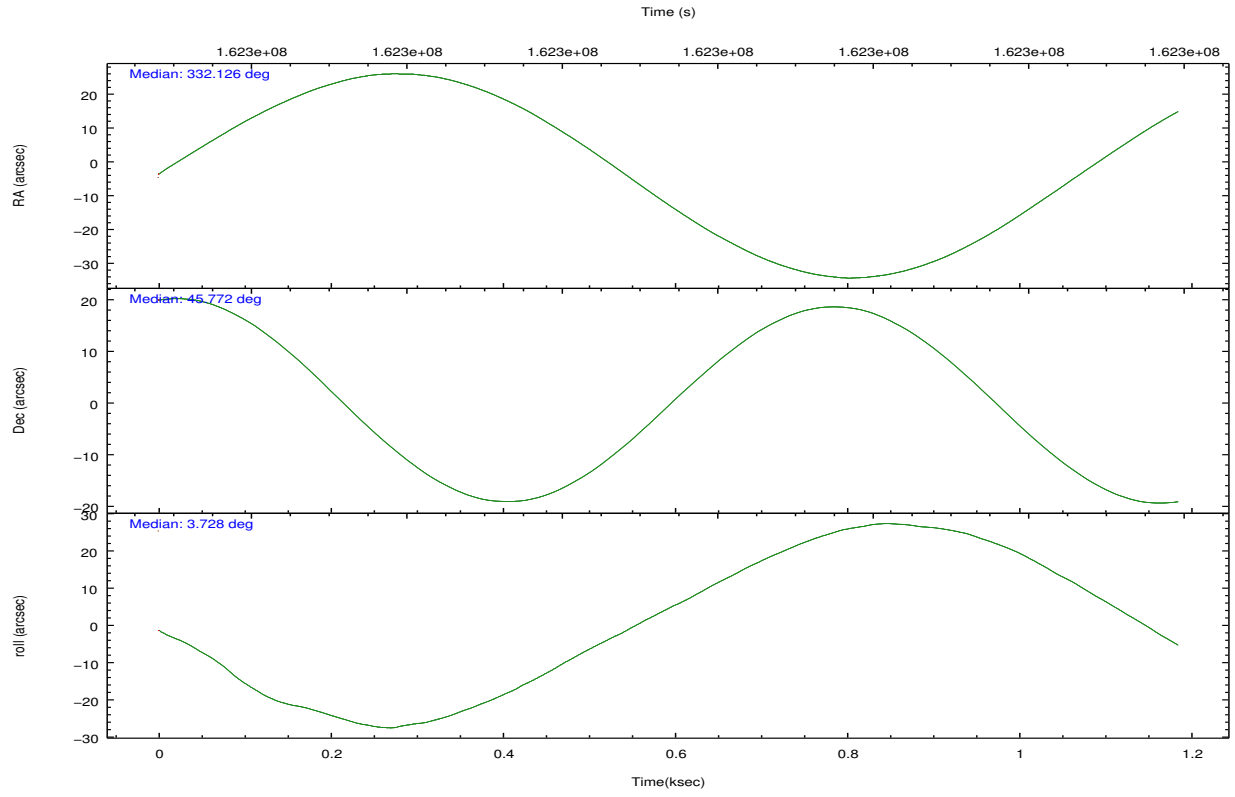
2.2 Compared Parameters

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	332.093007	332.1249865479575
[deg] Pointing Dec	45.756417	45.77202503481143
[deg] Pointing Roll	3.852661	3.734170419902144
[s] Window start time (MET)	161654464.184000	161654464.184000
[s] Window stop time (MET)	165369664.184000	165369664.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	162301128.184000	162300751.76986
Observation start date	2003-02-22T11:37:44	2003-02-22T11:32:31
[s] Observation end time (MET)	162302128.184000	162302261.59492
Observation end date	2003-02-22T11:54:24	2003-02-22T11:57:41

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

2.3 Aspect



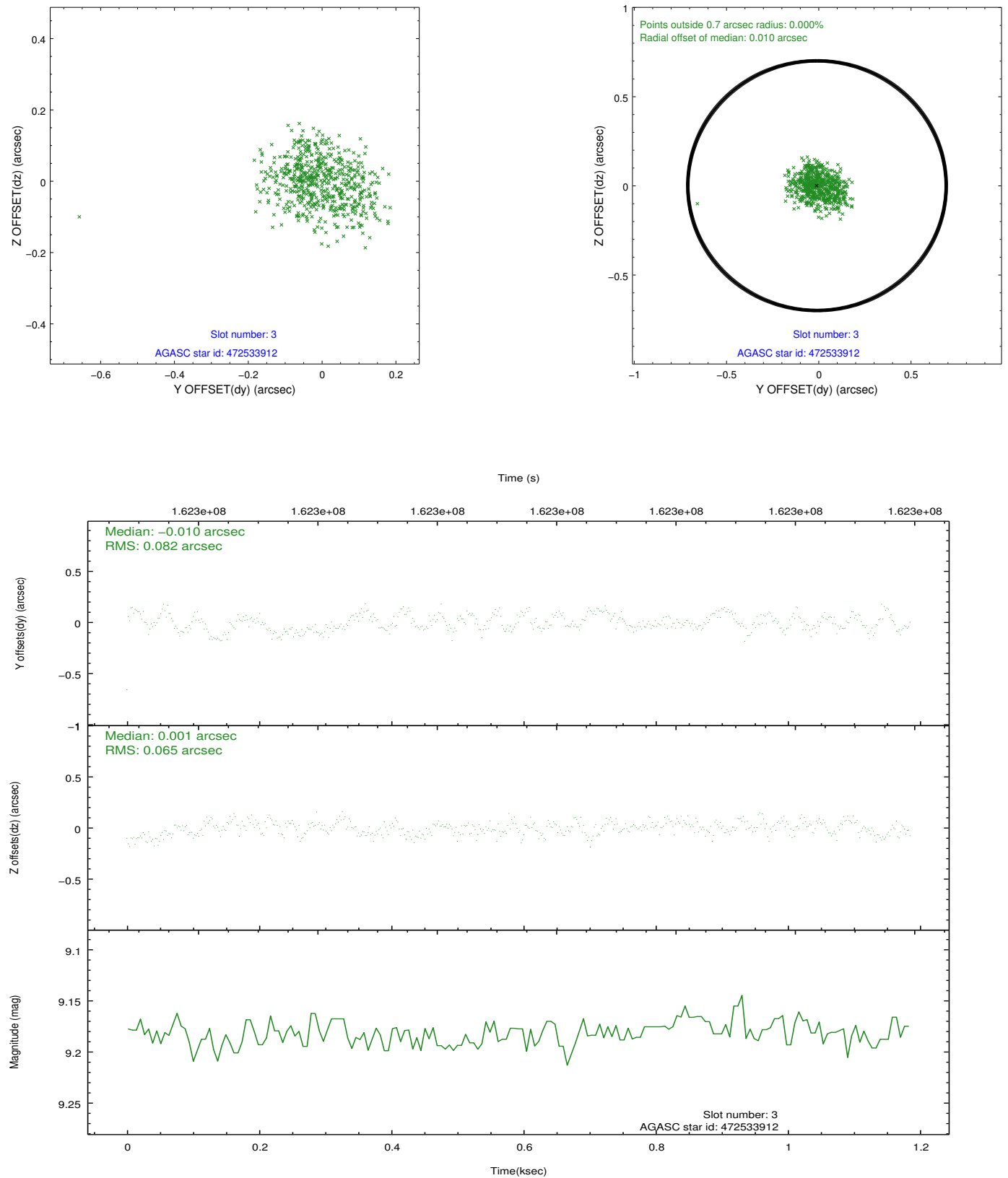


Slot Statistics

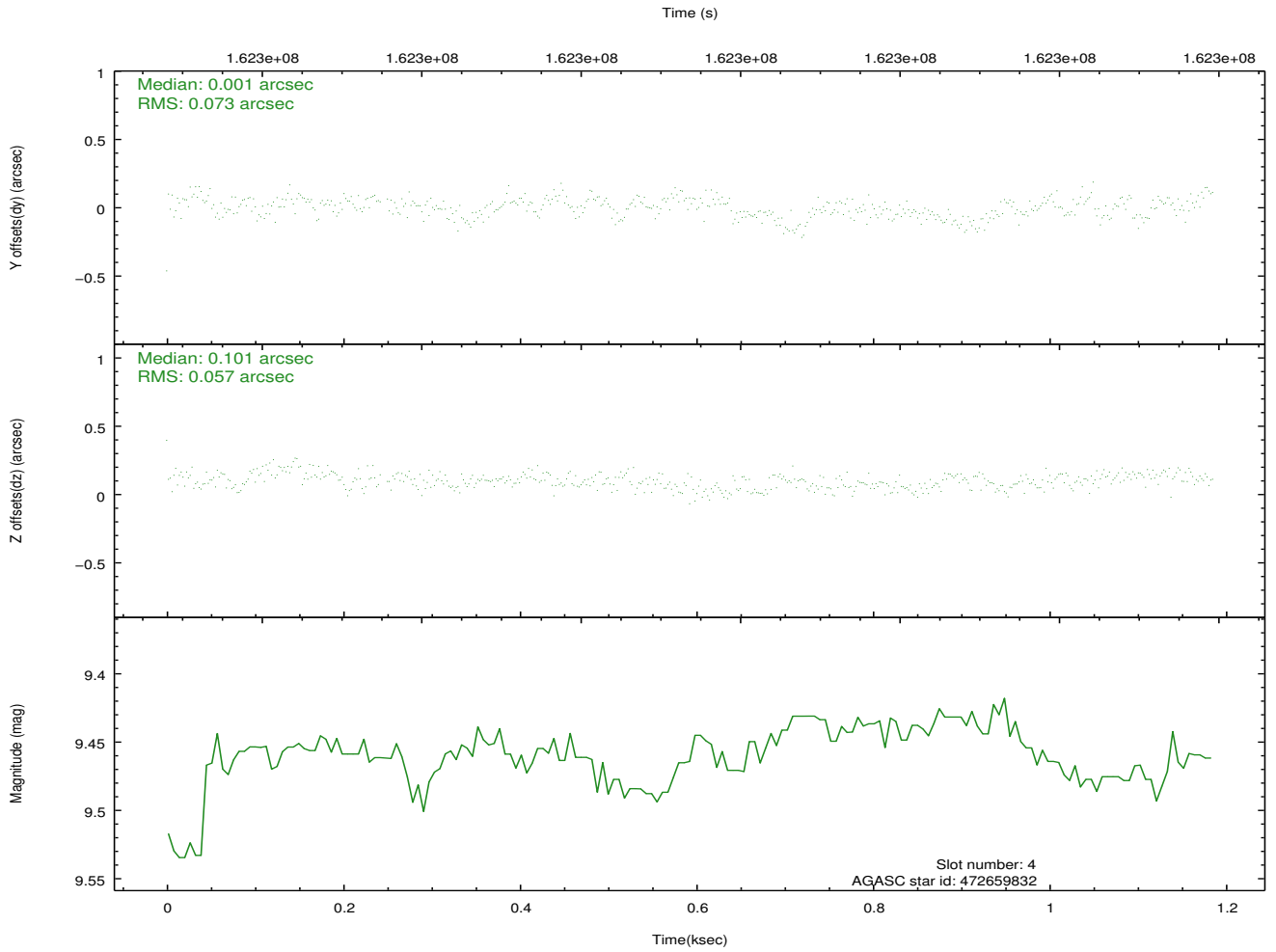
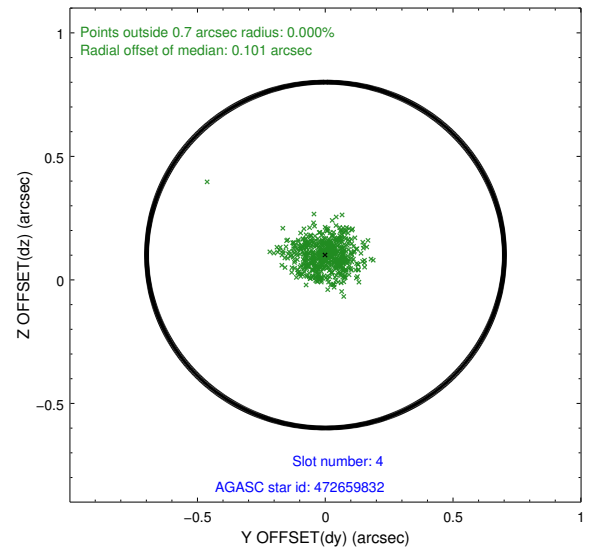
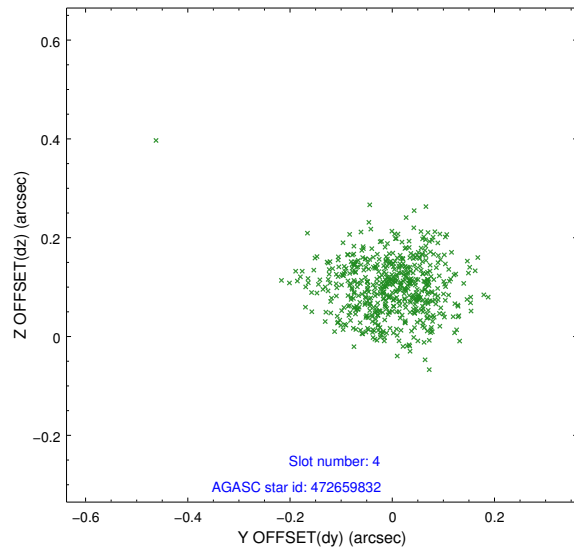
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	290	0.069	0.060	0.006	0.009	0.000000	0.000000	-758.79	-1296.38
1	FID	HRC-I-3	7.06	290	-0.007	-0.074	0.006	0.010	0.000000	0.000000	-1189.92	1003.59
2	FID	HRC-I-4	7.01	290	0.051	-0.076	0.005	0.007	0.000000	0.000000	1279.93	1009.07
3	GUIDE	472533912	9.18	579	-0.010	0.001	0.112	0.169	331.791136	46.368695	-600.65	2251.00
4	GUIDE	472659832	9.46	576	0.001	0.101	0.098	0.156	332.780399	46.098139	1793.79	1123.75
5	GUIDE	472527720	6.99	579	-0.082	-0.045	0.066	0.111	331.460205	45.112509	-1756.58	-2196.80
6	GUIDE	472523760	8.24	579	-0.100	-0.060	0.060	0.096	331.645363	45.403260	-1217.55	-1193.30
7	GUIDE	472655152	9.44	578	0.191	0.028	0.098	0.173	332.504239	45.862991	1052.26	314.24

2.4 Star Slots

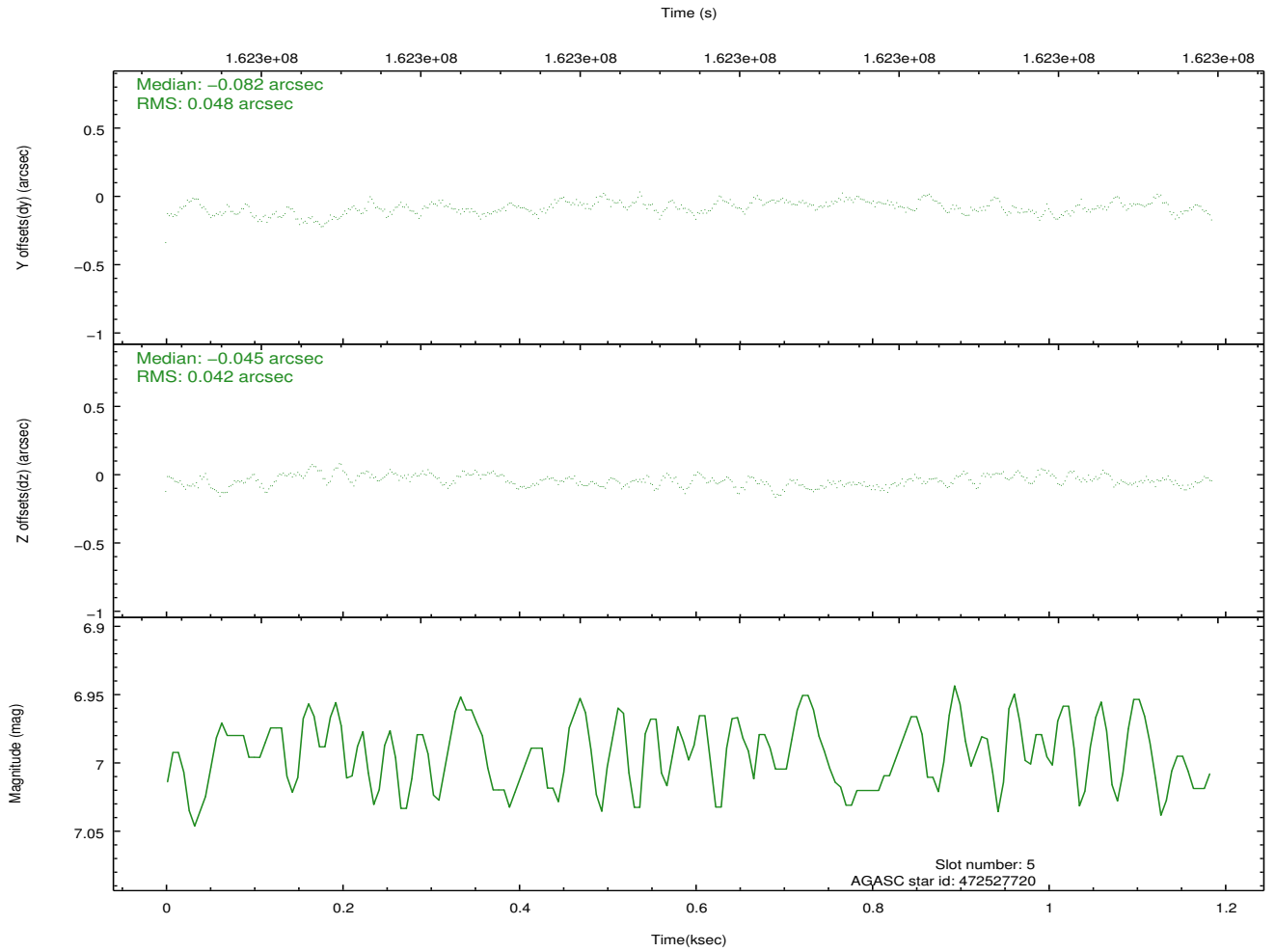
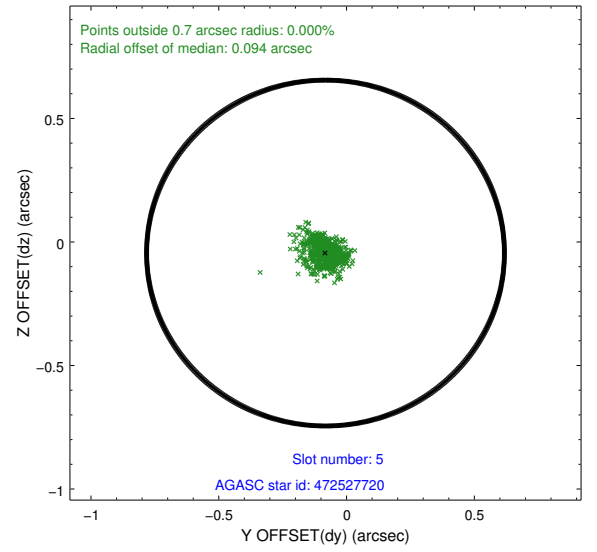
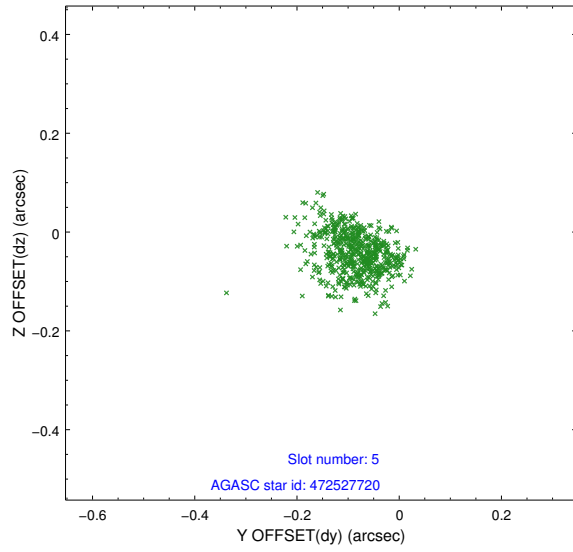
2.4.1 Slot 3



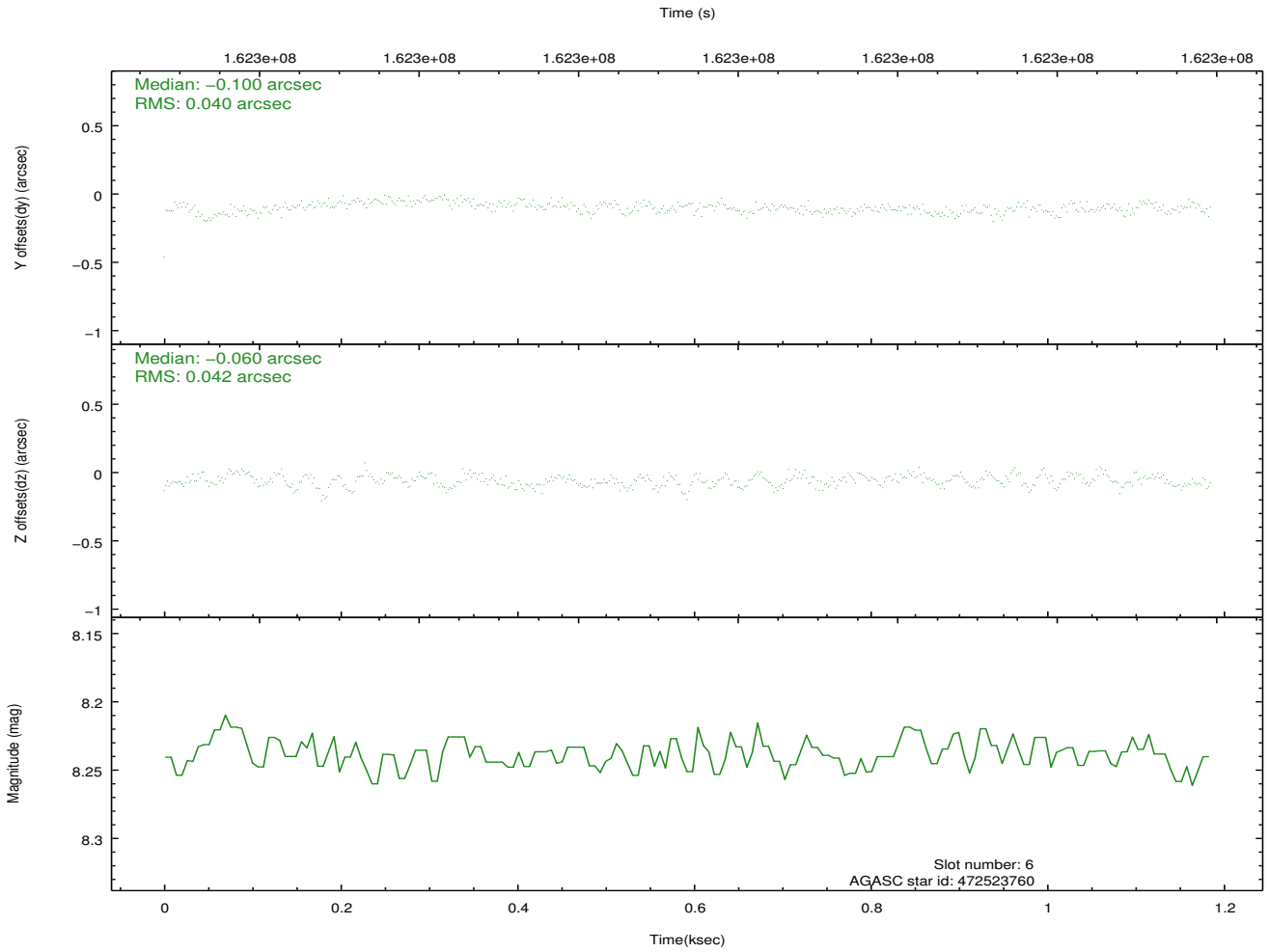
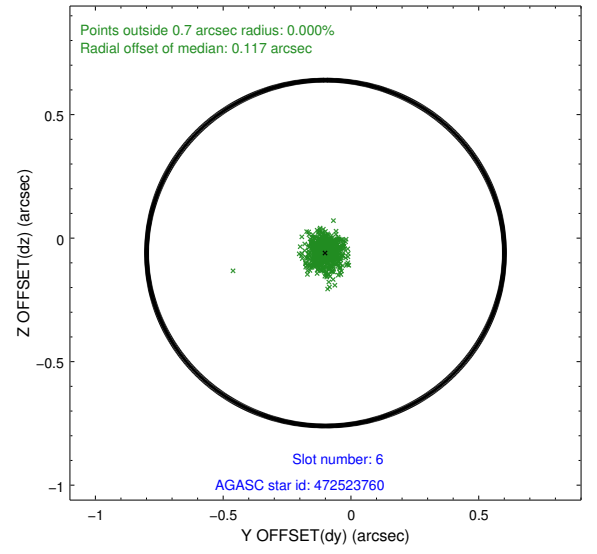
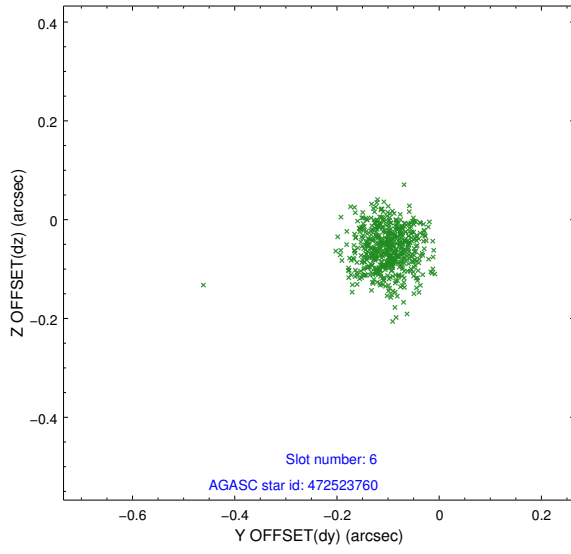
2.4.2 Slot 4



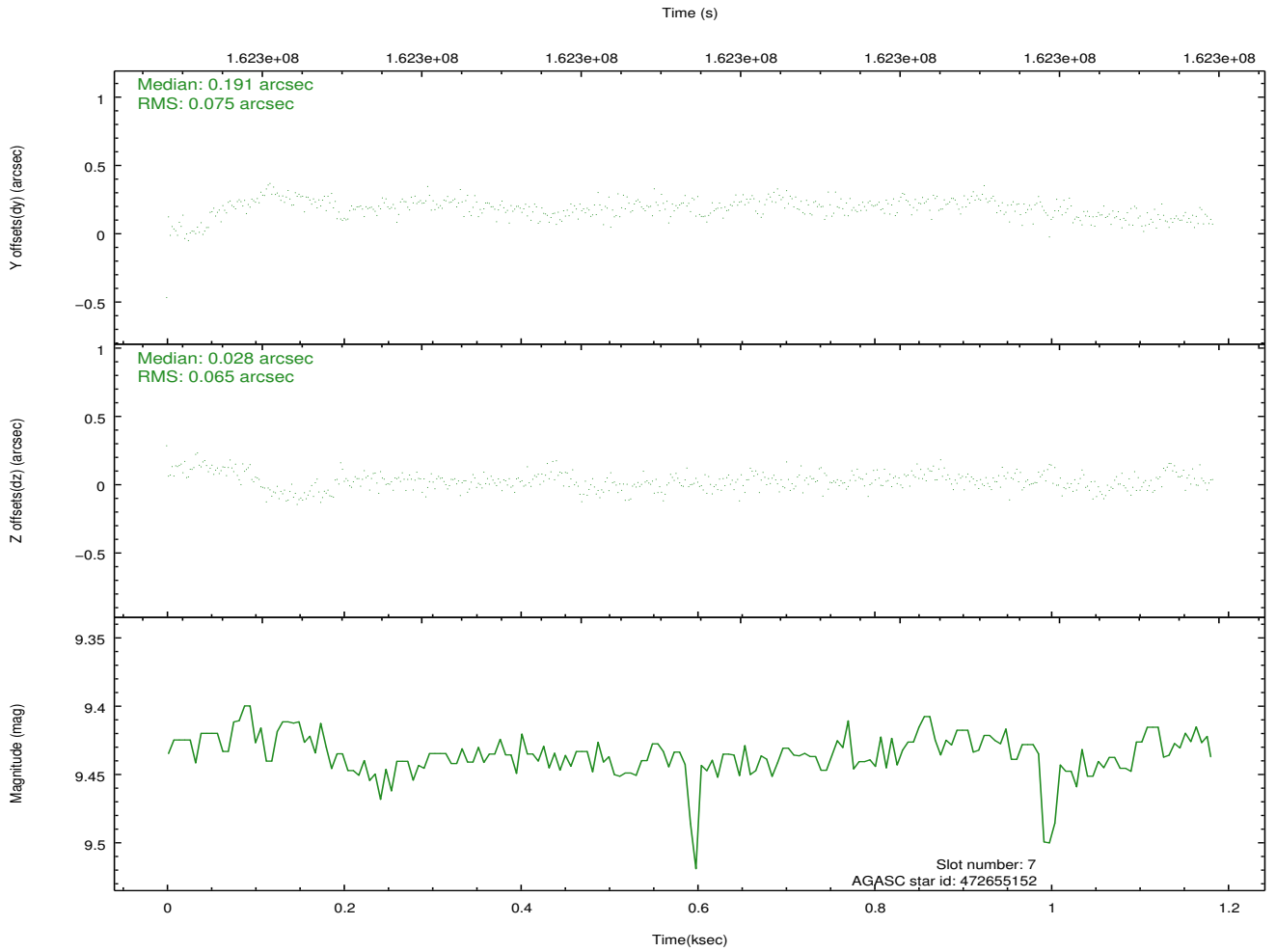
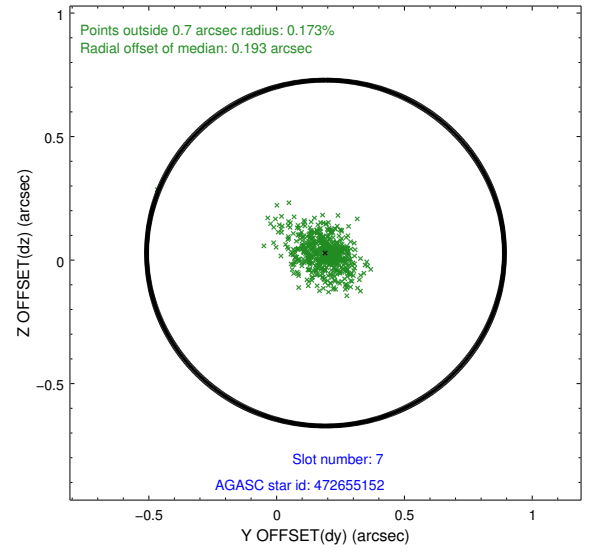
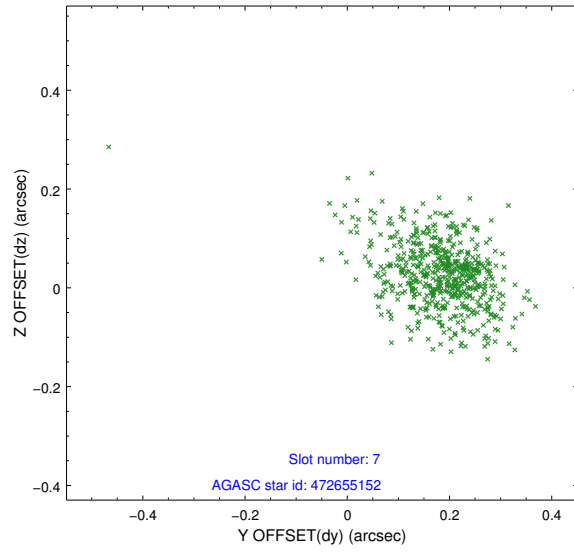
2.4.3 Slot 5



2.4.4 Slot 6

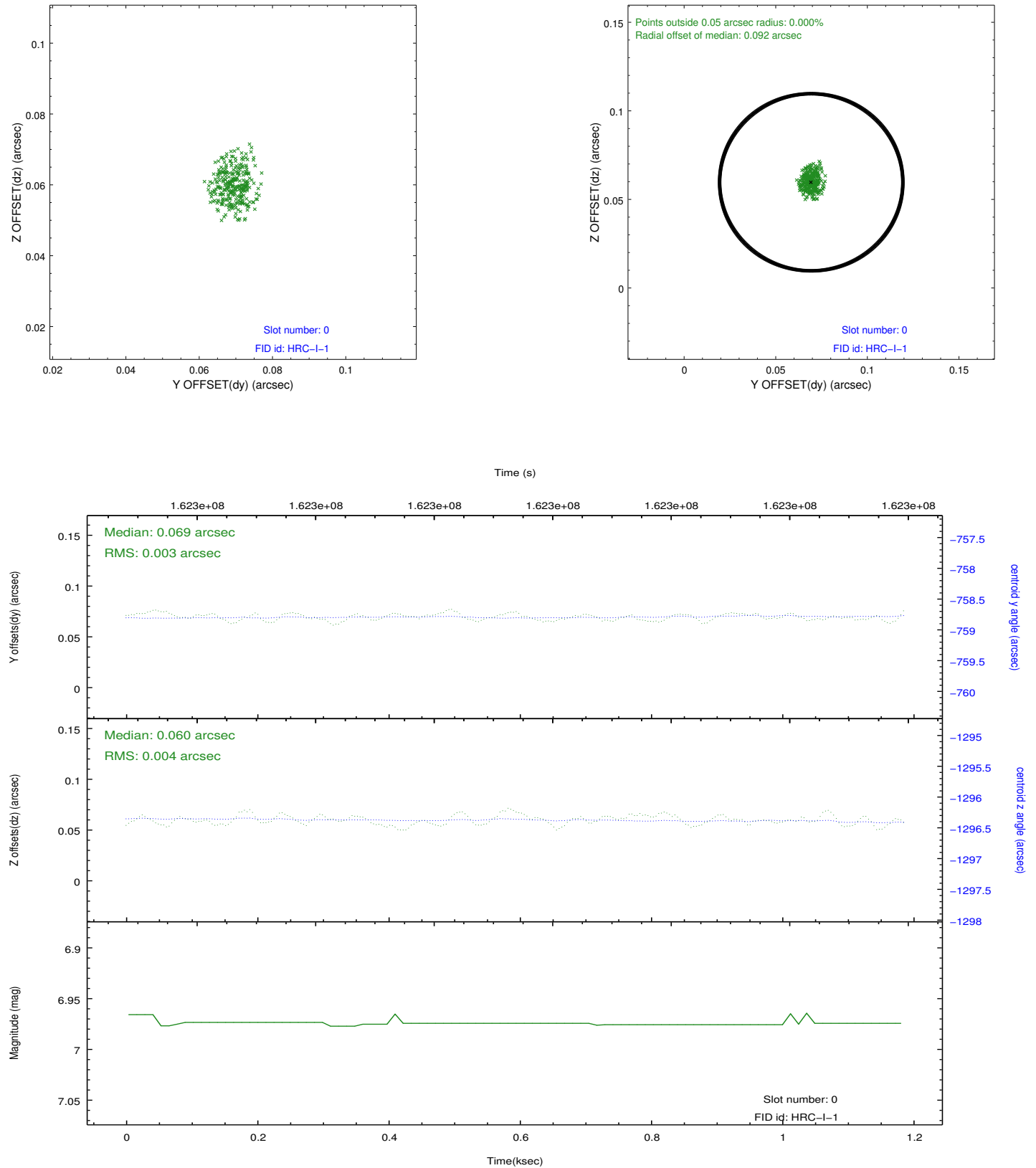


2.4.5 Slot 7

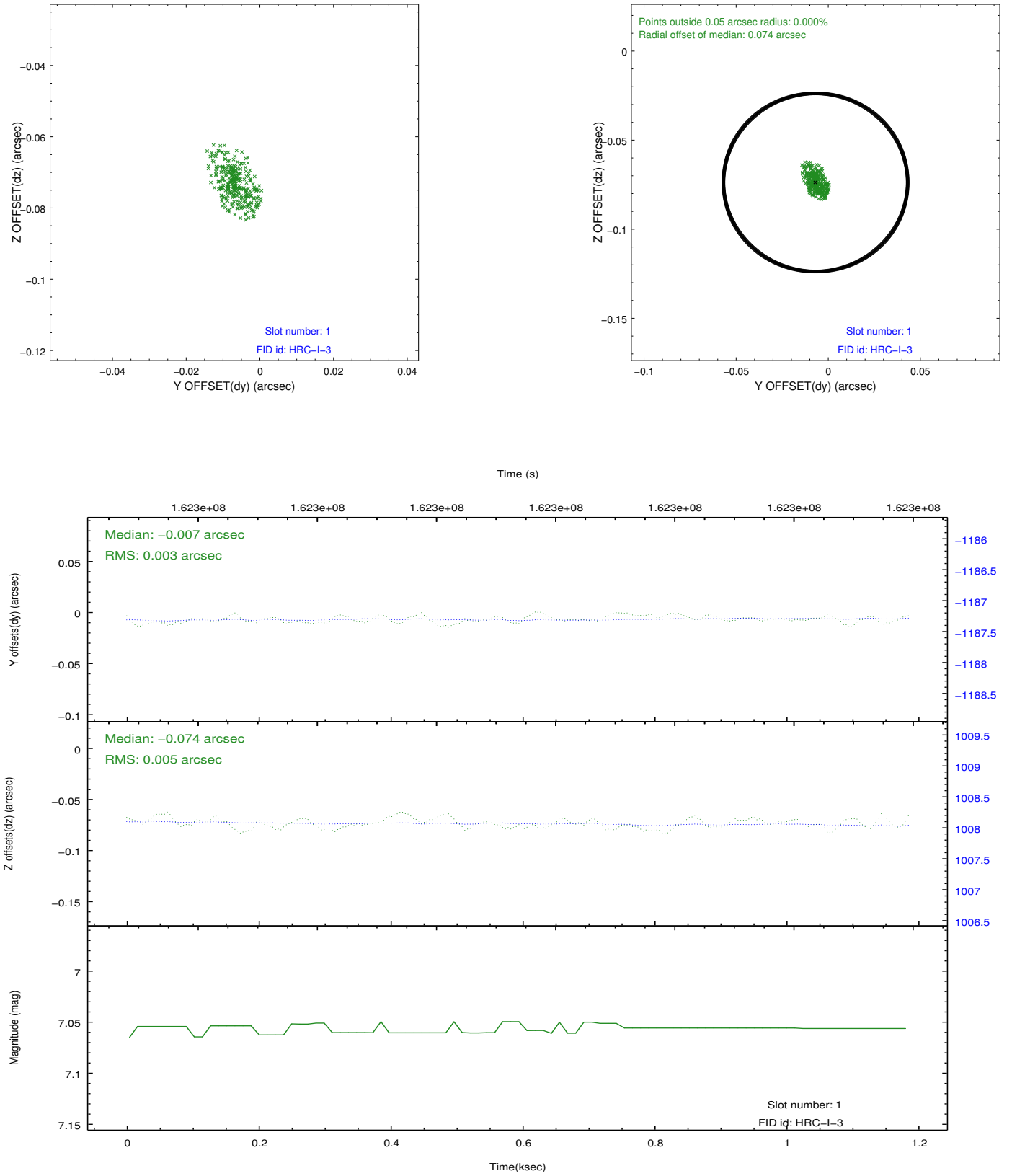


2.5 FID Slots

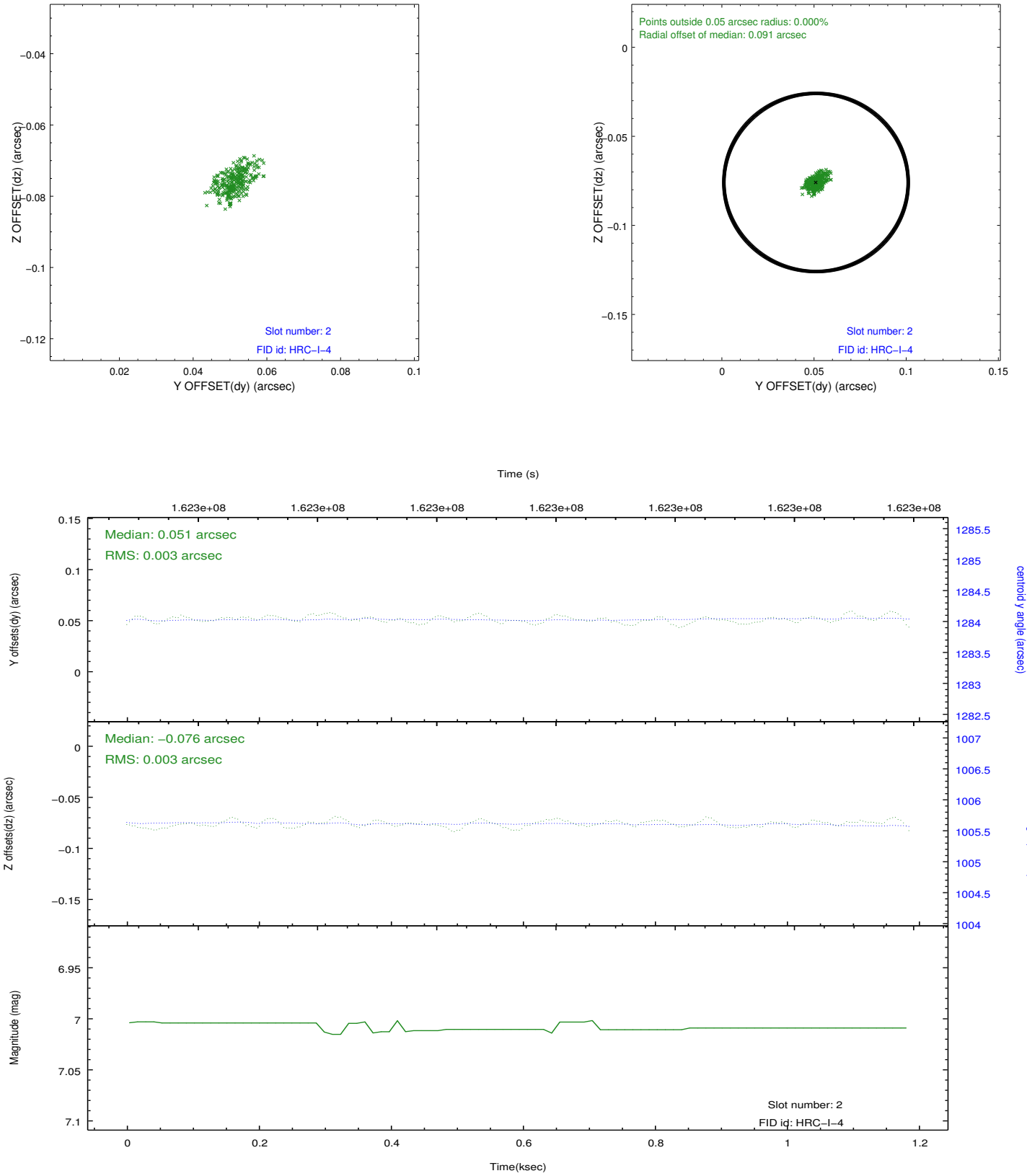
2.5.1 Slot 0



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)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.184

A.2 Comments

Window constraint met.