

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4298 - L2 Version 4
Chandra X-Ray Center

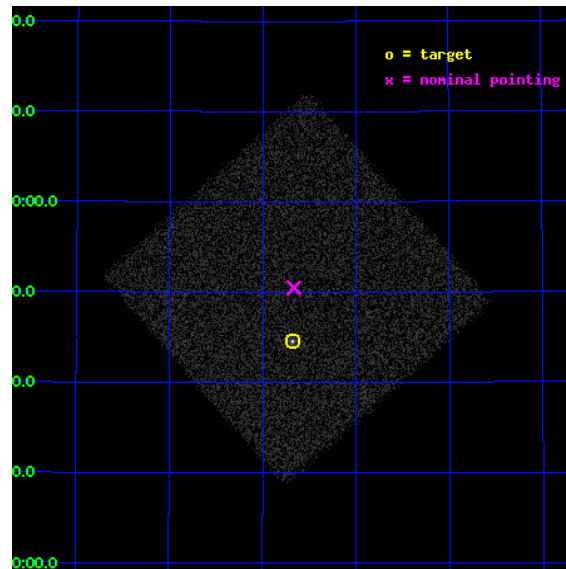
L2 Processing Date : Oct 23 2012

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

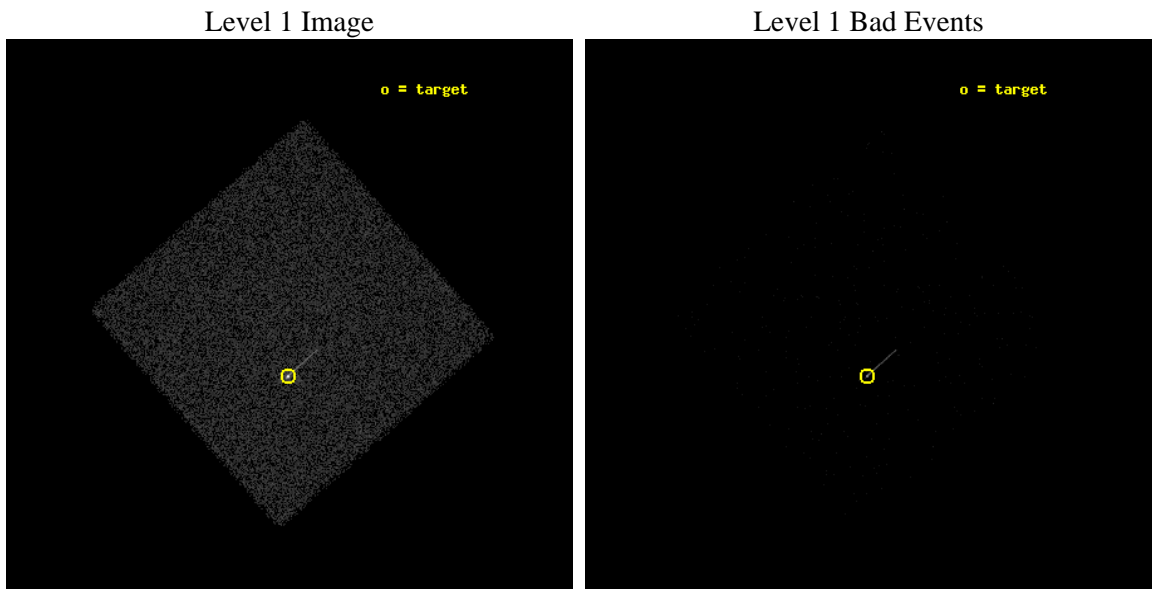
seq_num	290258	Sequence number
obs_id	4298	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16657948541	Nominal RA [deg]
dec_nom	45.841468490801	Nominal Dec [deg]
roll_nom	3.7442693478882	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1179.7750496268	[s]
livetime	1173.0943084461	Ontime multiplied by DTCOR
l2events	39035	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	1179.7750496268	[s]
caldsver	4.5.2	 	l1events	73045	Number of level 1 events
date	2012-10-23T09:27:02	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

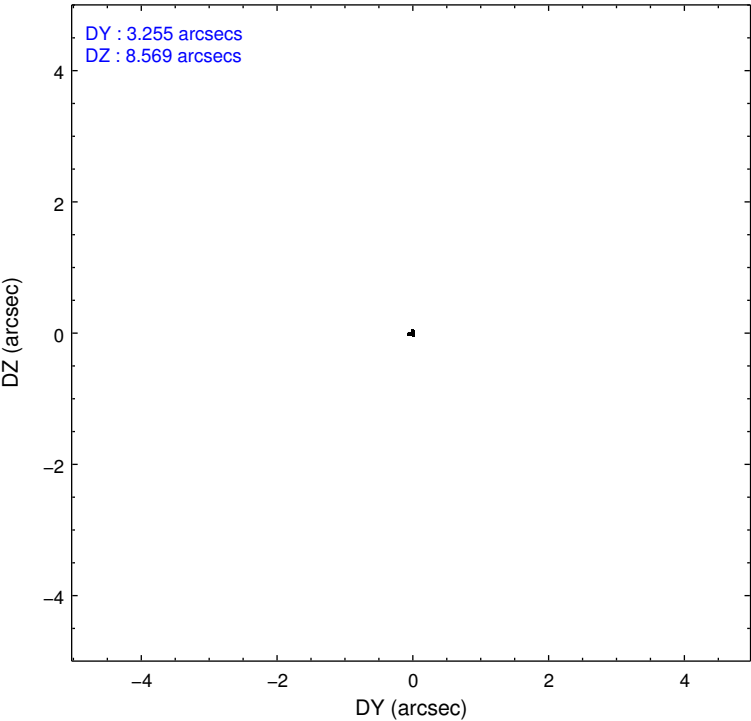
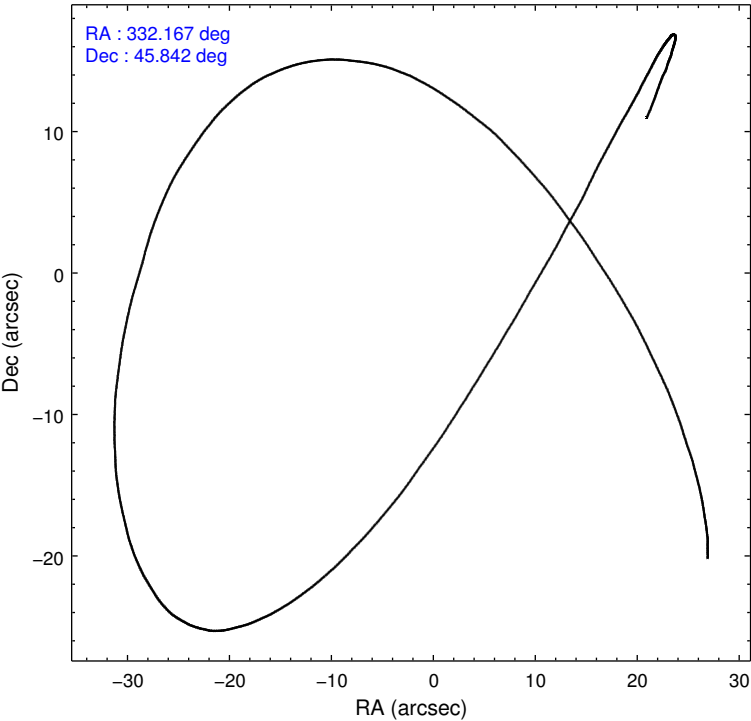
Level 1 Events

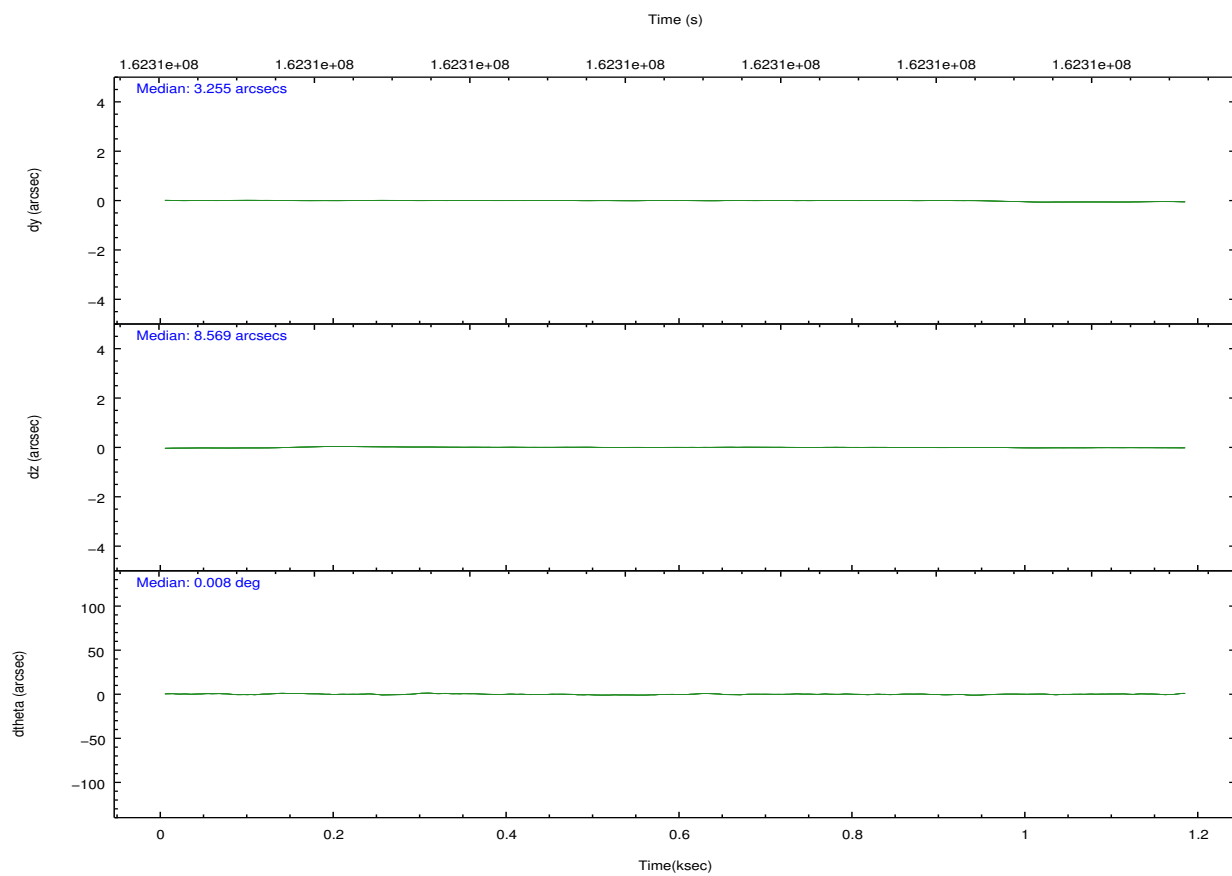
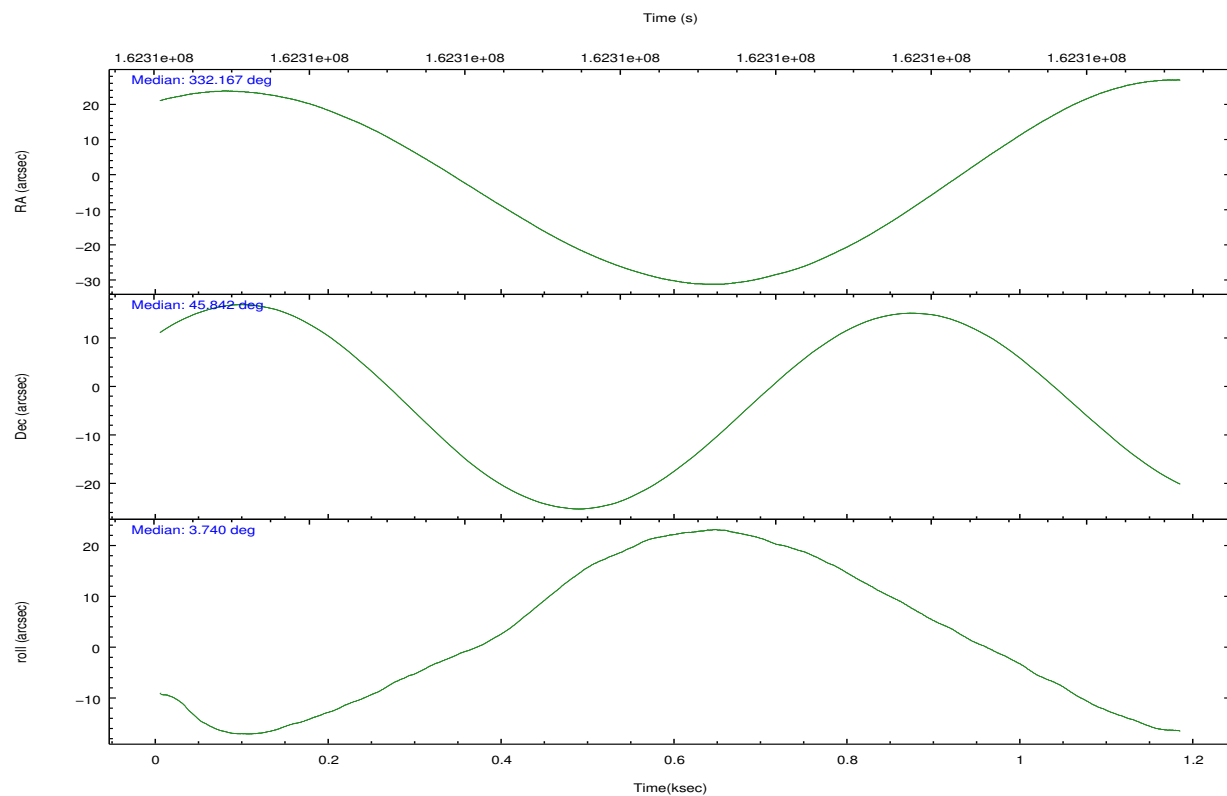
	segment 0
level 1 events	73045
rejected events	17668
rejected %	24%

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	332.134220	332.1665794854132			
[deg] Pointing Dec	45.825158	45.84146849080096			
[deg] Pointing Roll	3.862921	3.744269347888177			
[s] Window start time (MET)	161697664.184000	161697664.184000			
[s] Window stop time (MET)	165412864.184000	165412864.184000			
[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)	162305658.184000	162305281.75755			
Observation start date	2003-02-22T12:53:14	2003-02-22T12:48:01			
[s] Observation end time (MET)	162306658.184000	162306792.09511			
Observation end date	2003-02-22T13:09:54	2003-02-22T13:13:12			

2.3 Aspect



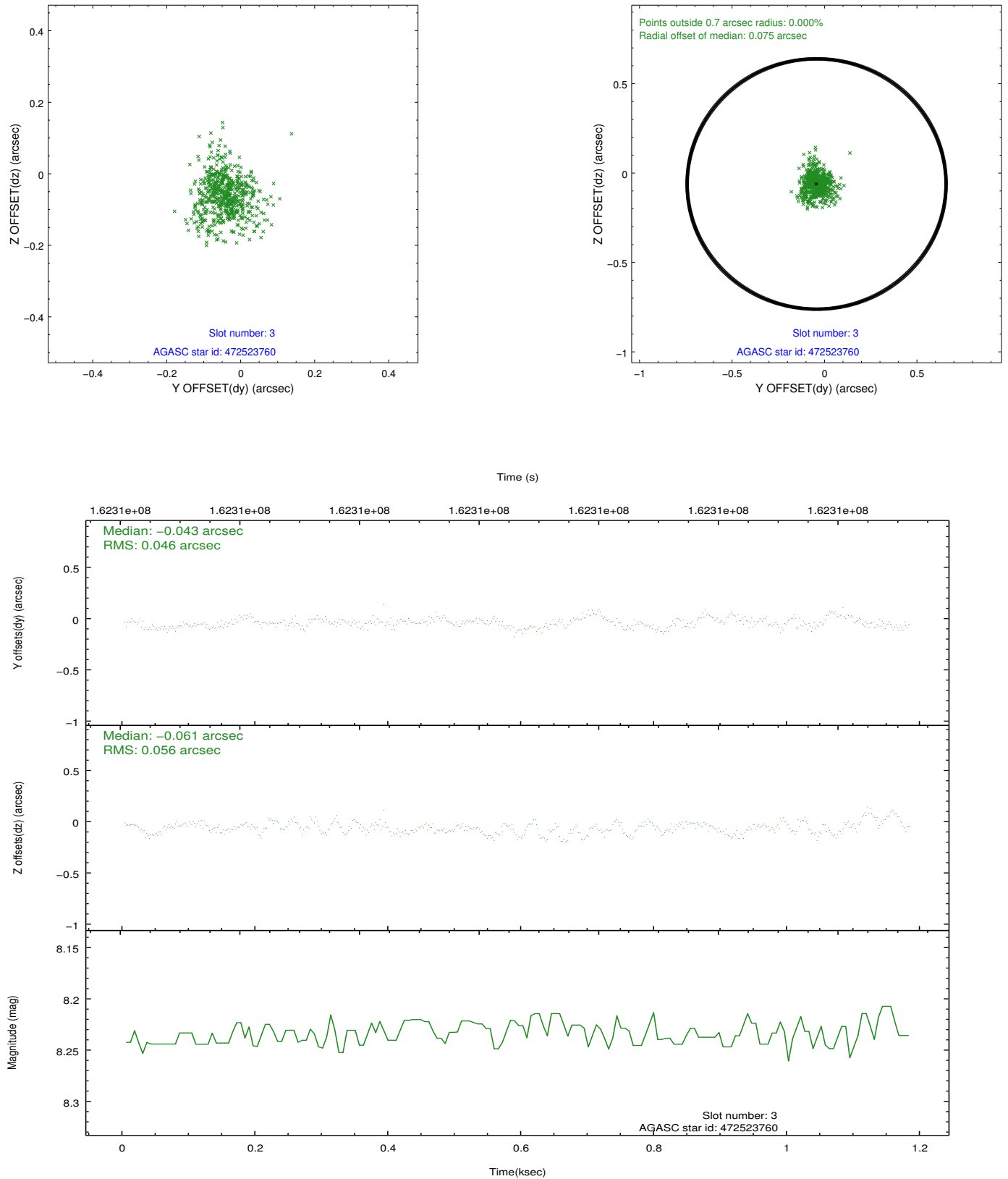


Slot Statistics

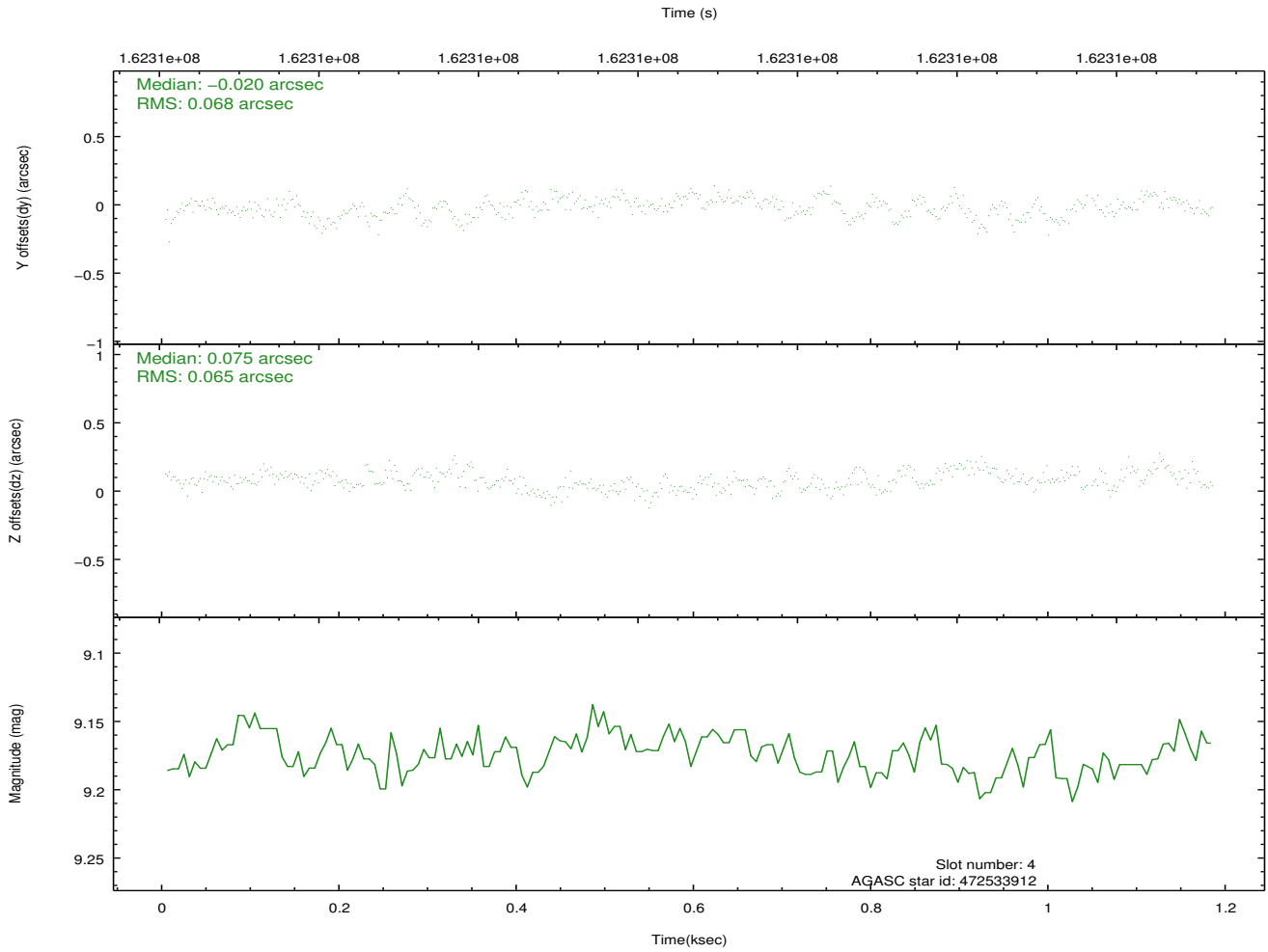
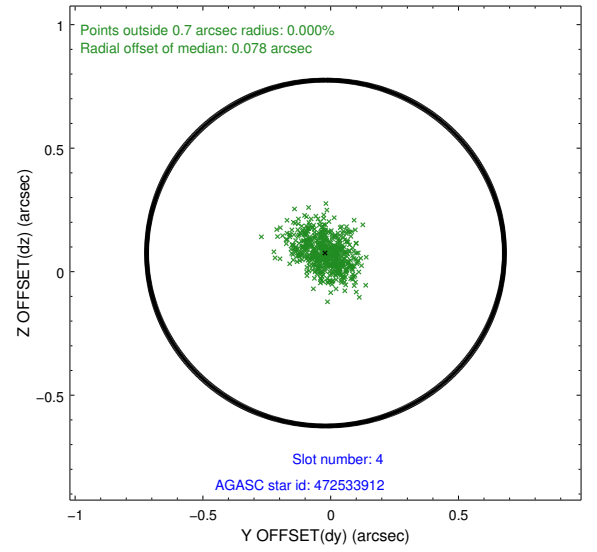
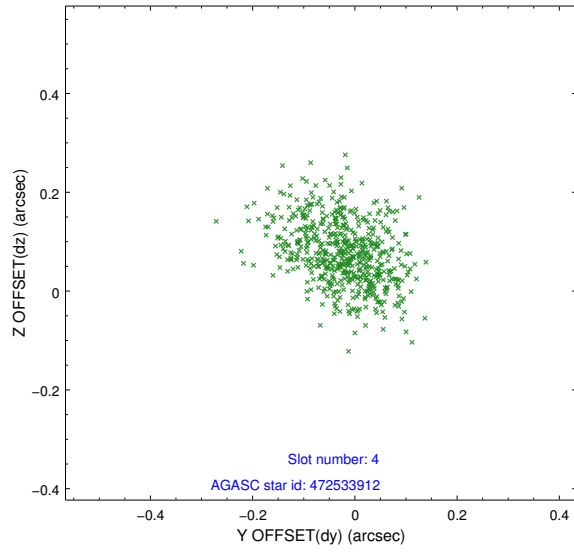
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	288	0.023	0.060	0.007	0.012	0.000000	0.000000	-758.70	-1296.45
1	FID	HRC-I-2	7.01	288	0.085	-0.082	0.005	0.010	0.000000	0.000000	851.36	-1302.66
2	FID	HRC-I-3	7.06	288	0.012	-0.069	0.005	0.010	0.000000	0.000000	-1184.25	1003.46
3	GUIDE	472523760	8.23	577	-0.043	-0.061	0.074	0.129	331.645363	45.403260	-1336.29	-1431.02
4	GUIDE	472533912	9.17	575	-0.020	0.075	0.103	0.164	331.791136	46.368695	-722.21	2006.62
5	GUIDE	472655152	9.43	577	0.133	0.005	0.117	0.245	332.504239	45.862991	932.33	76.59
6	GUIDE	472659832	9.46	576	0.062	0.089	0.091	0.153	332.780399	46.098139	1676.28	876.27
7	GUIDE	472527720	6.99	576	-0.123	-0.101	0.069	0.107	331.460205	45.112509	-1879.37	-2438.43

2.4 Star Slots

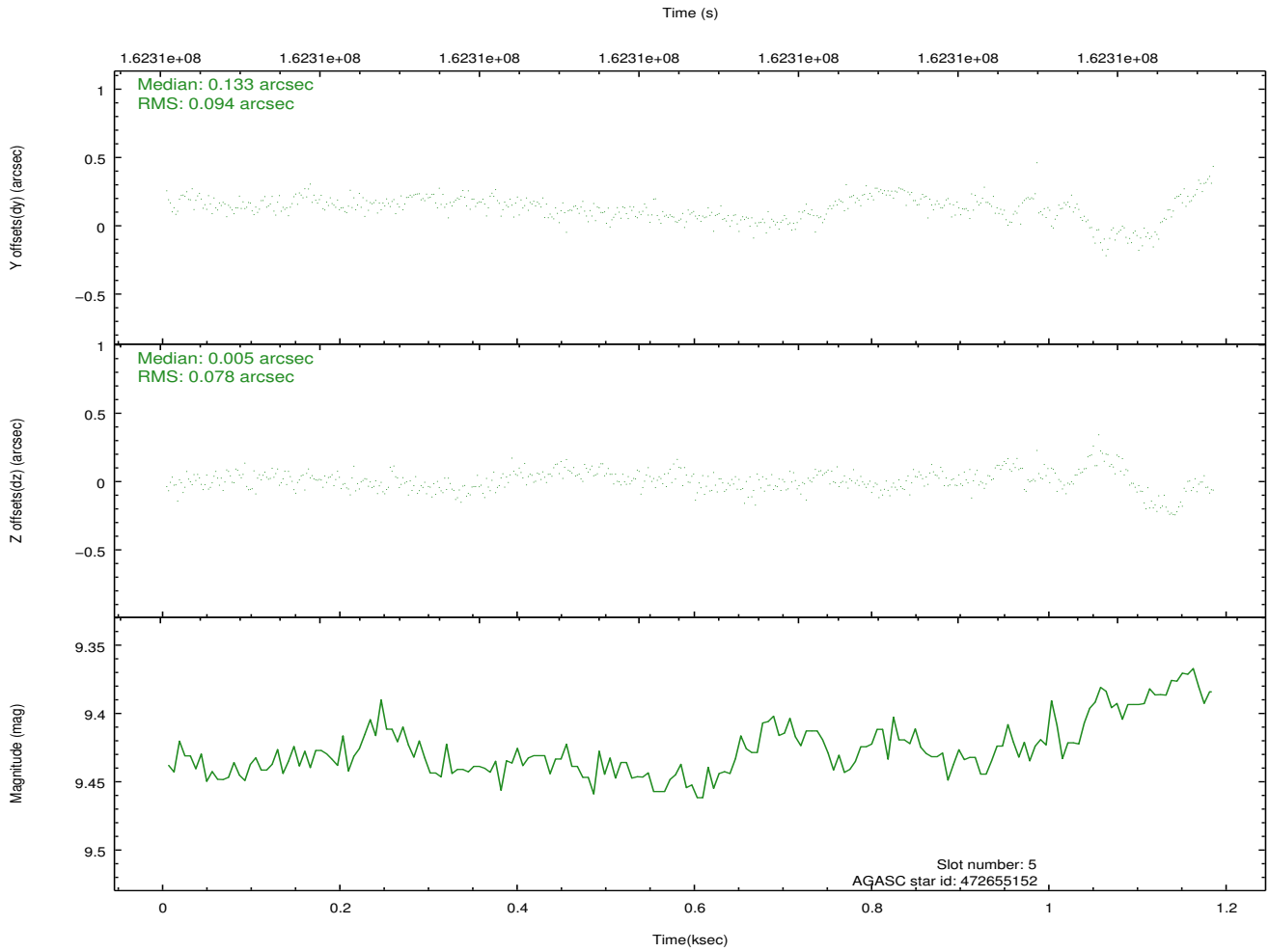
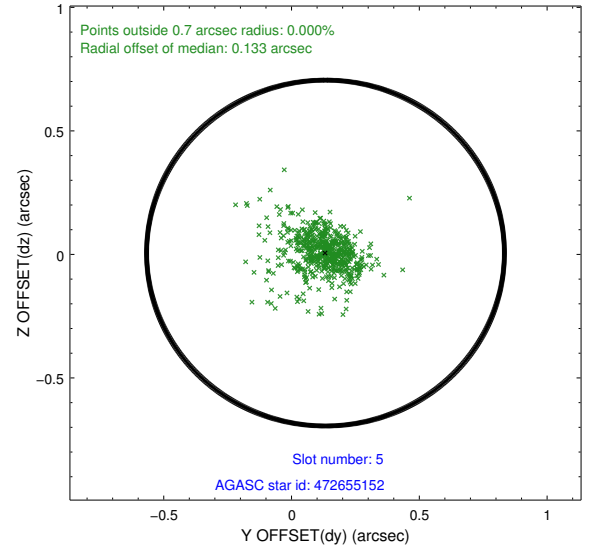
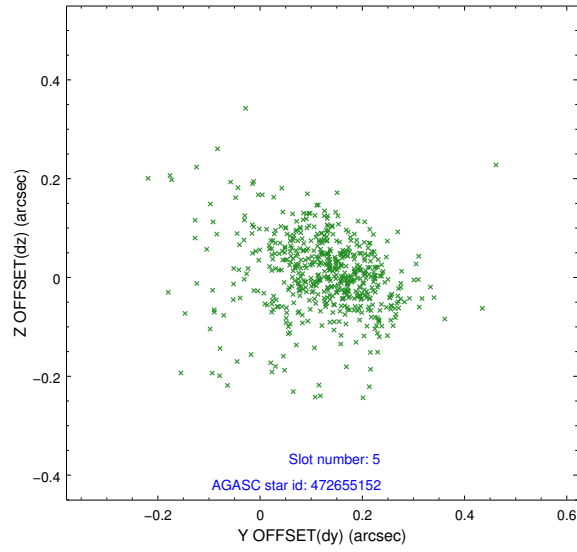
2.4.1 Slot 3



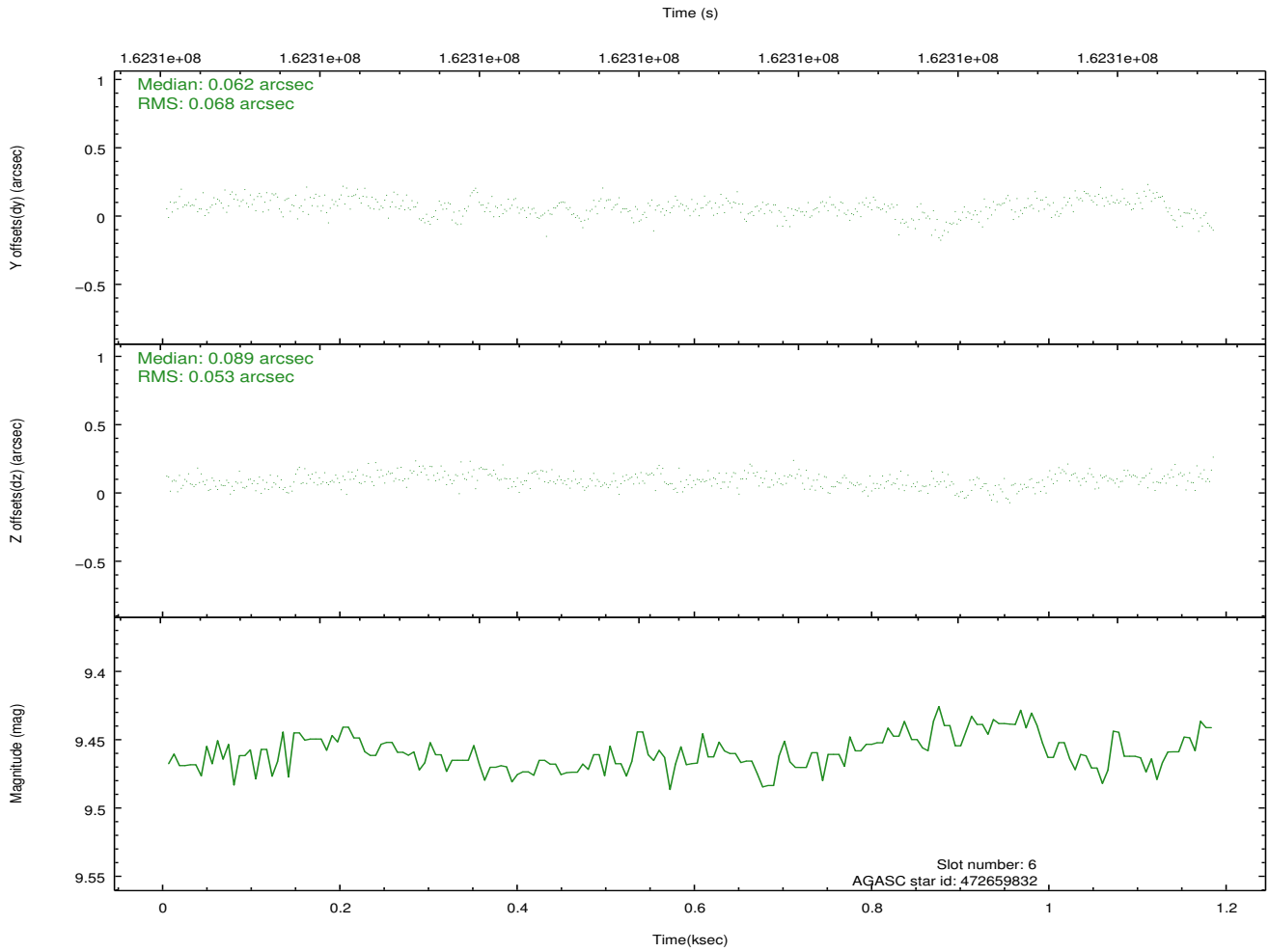
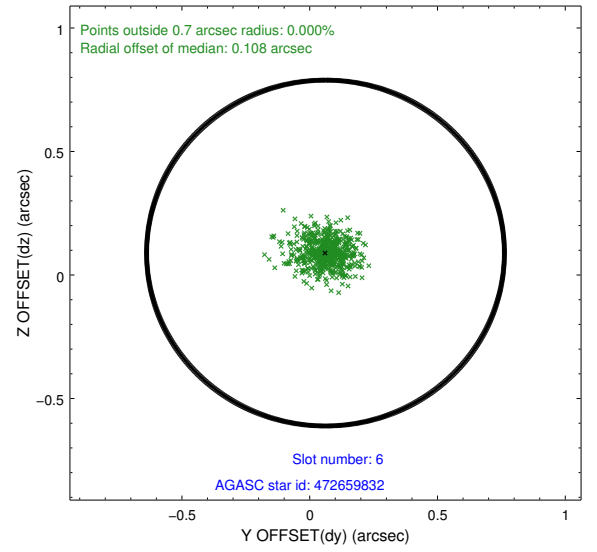
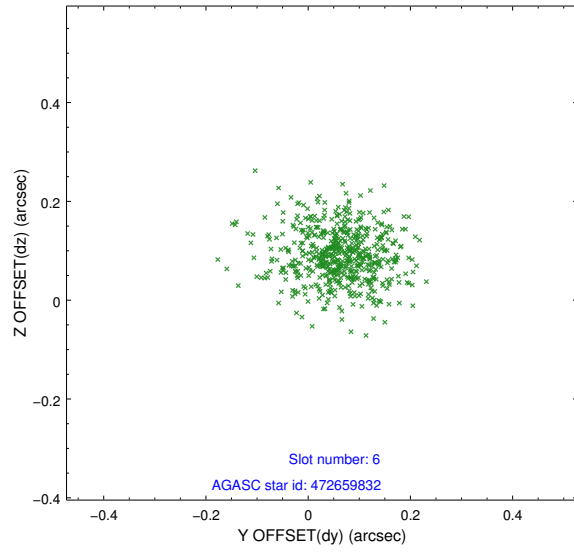
2.4.2 Slot 4



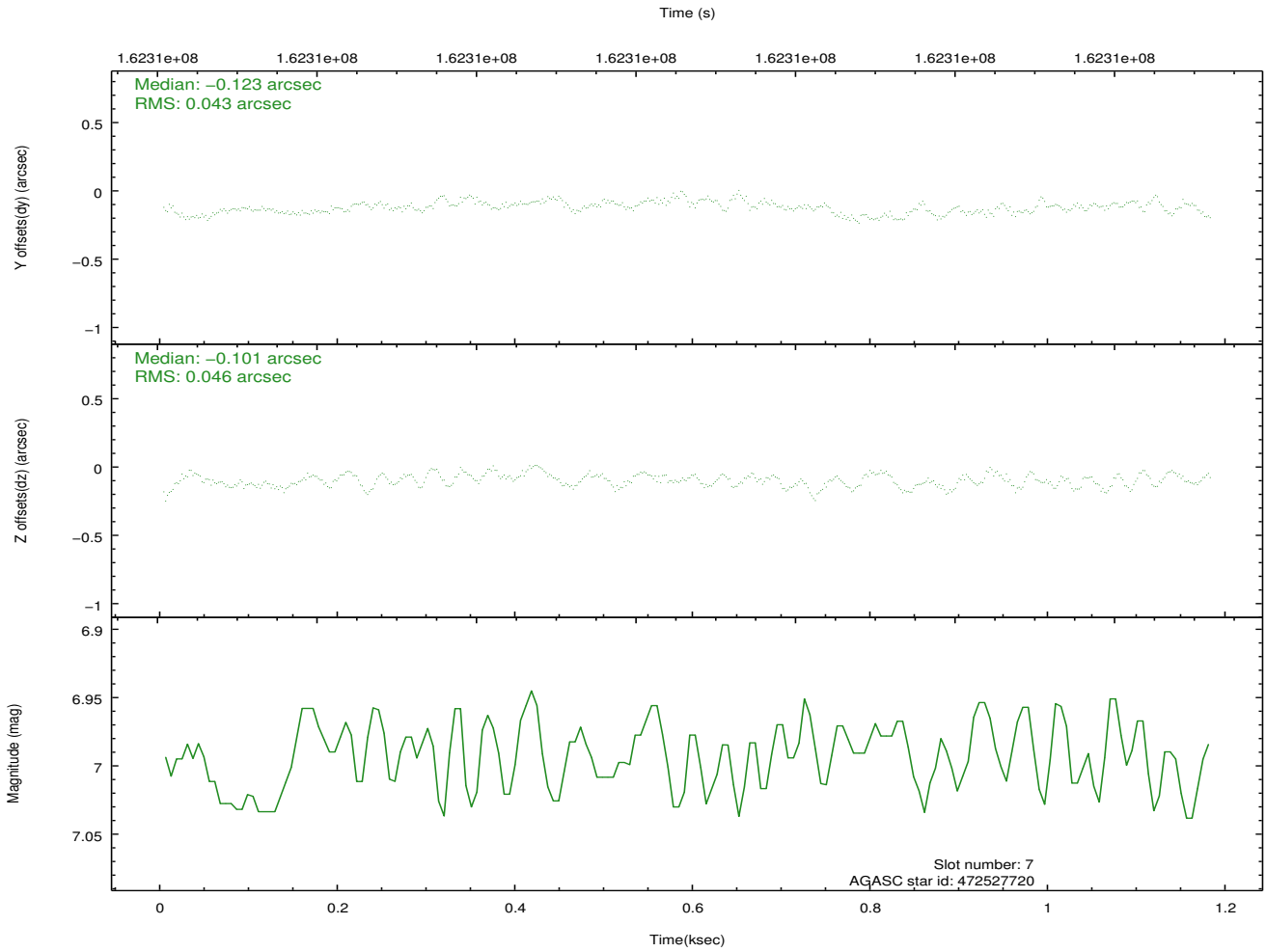
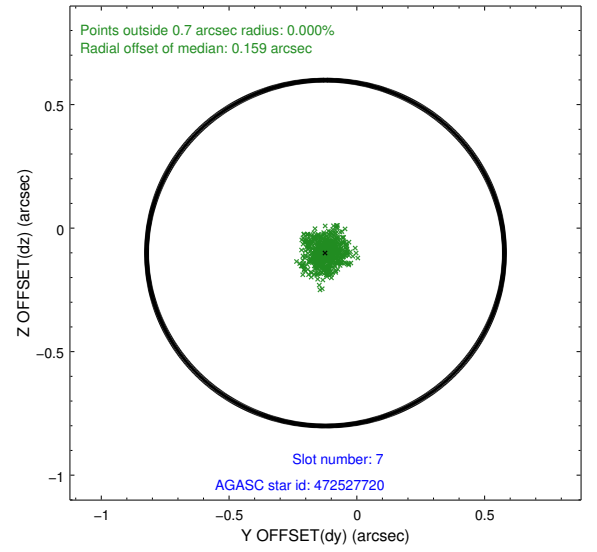
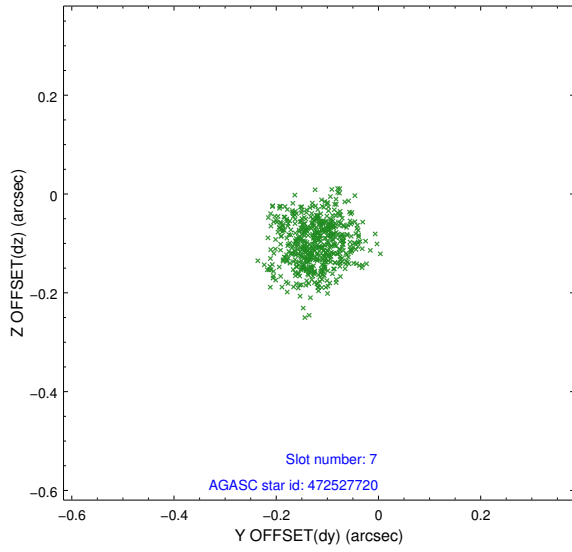
2.4.3 Slot 5



2.4.4 Slot 6

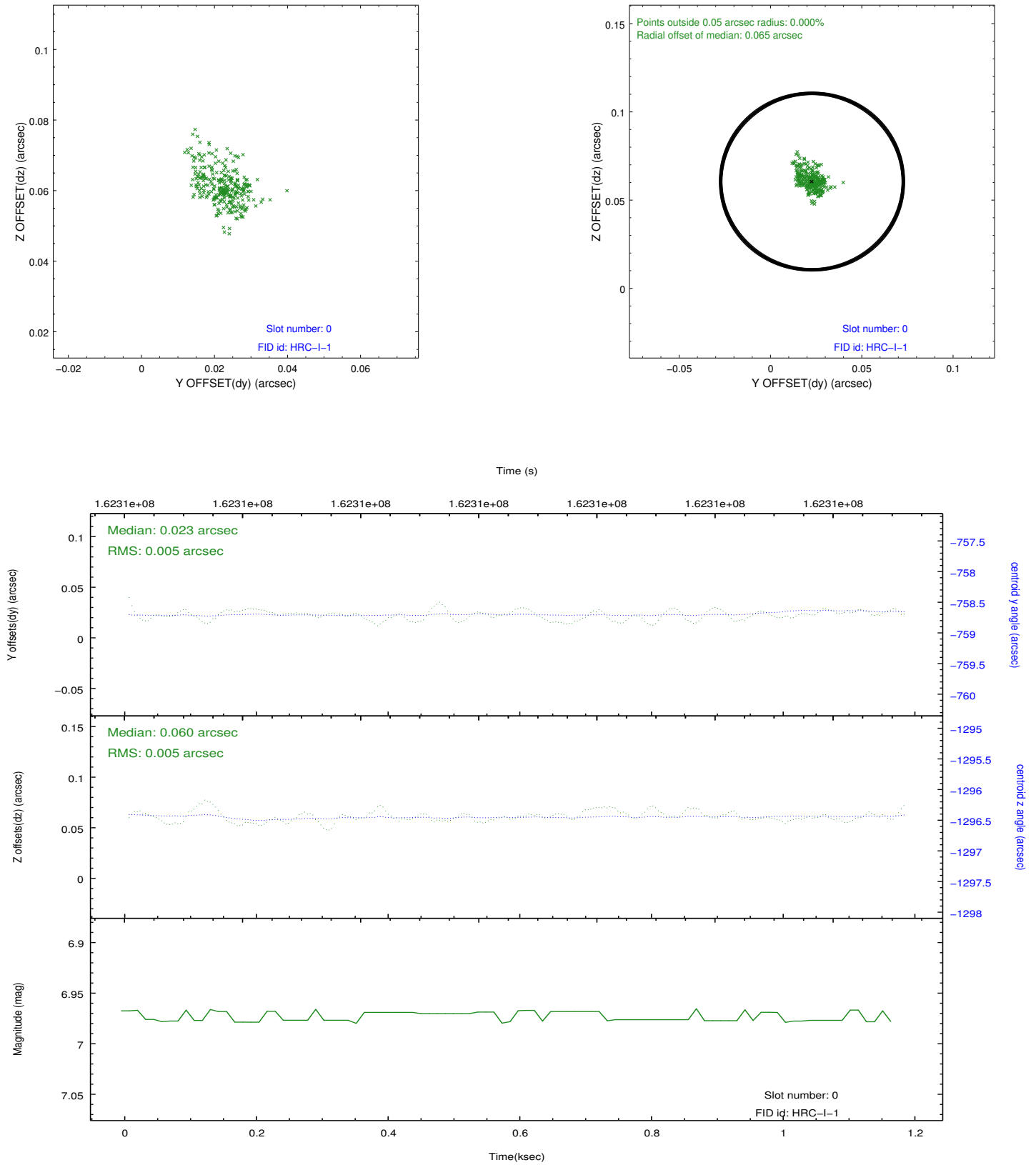


2.4.5 Slot 7

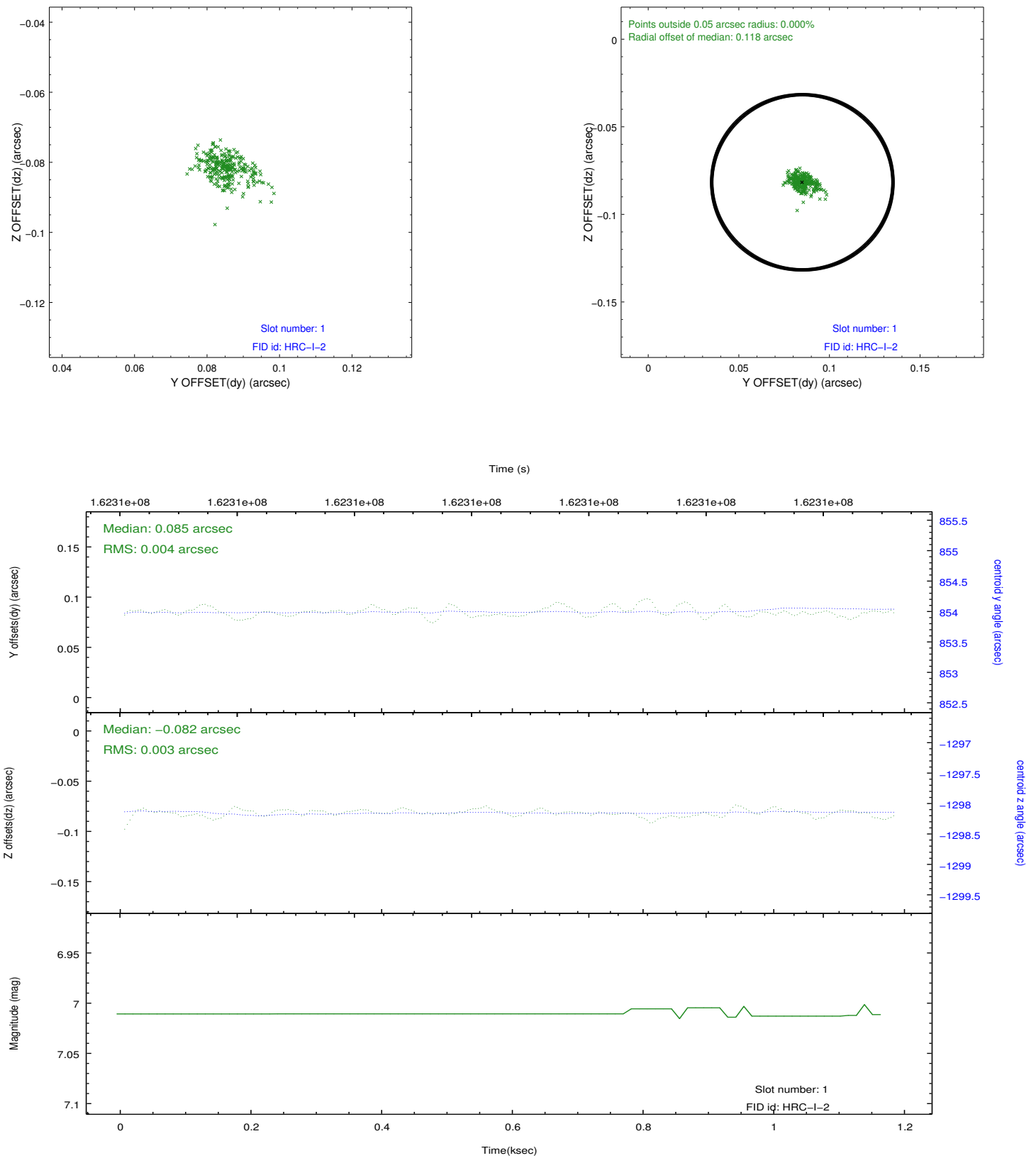


2.5 FID Slots

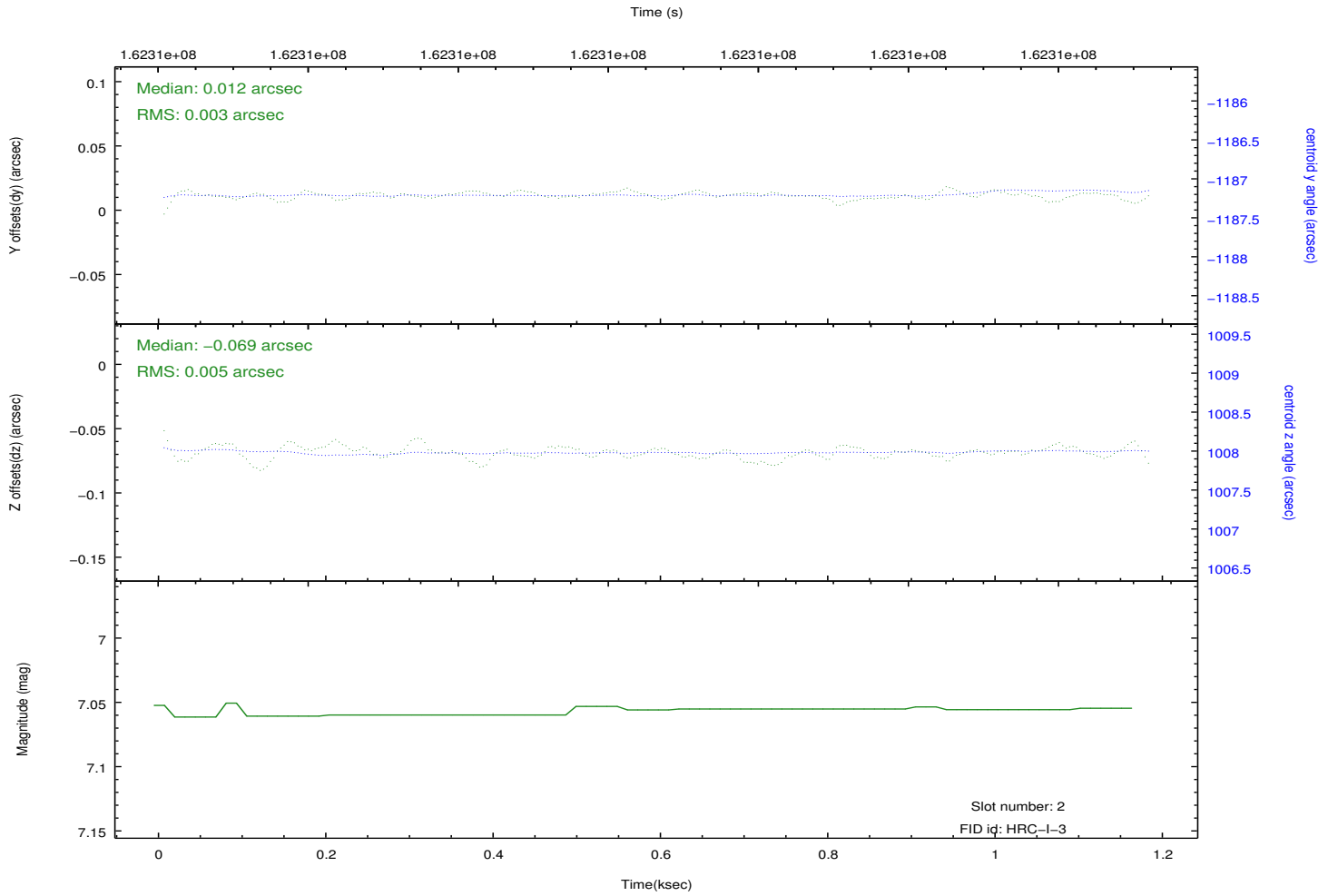
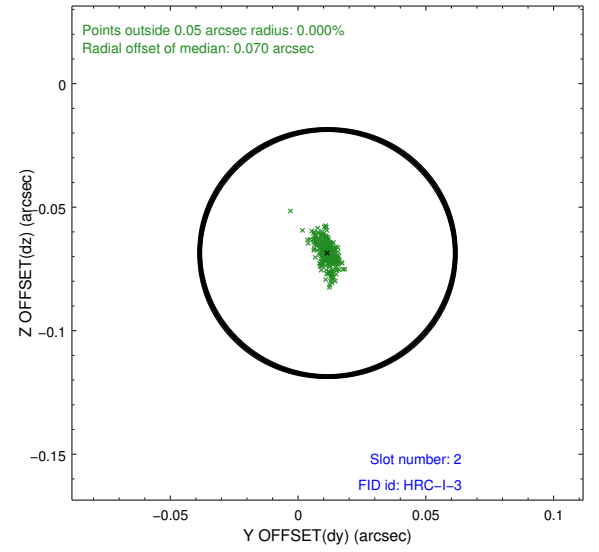
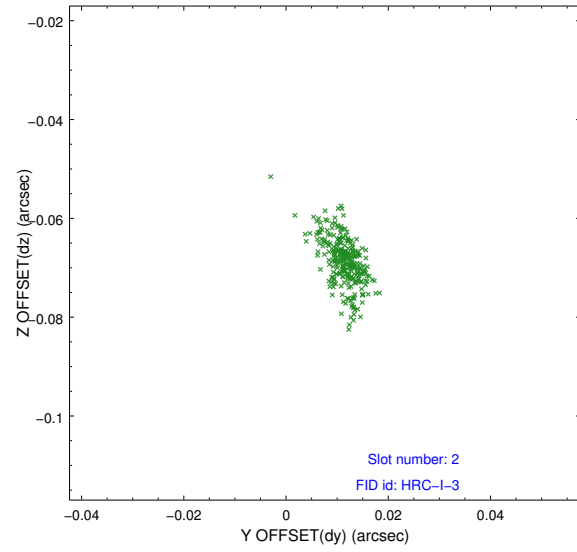
2.5.1 Slot 0



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	1.179

A.2 Comments

Window constraint met.