

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10589 - L2 Version 3
Chandra X-Ray Center

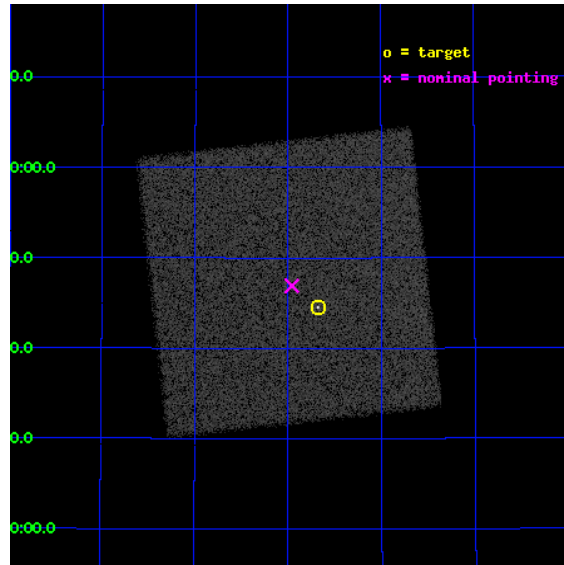
L2 Processing Date : Aug 13 2012

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

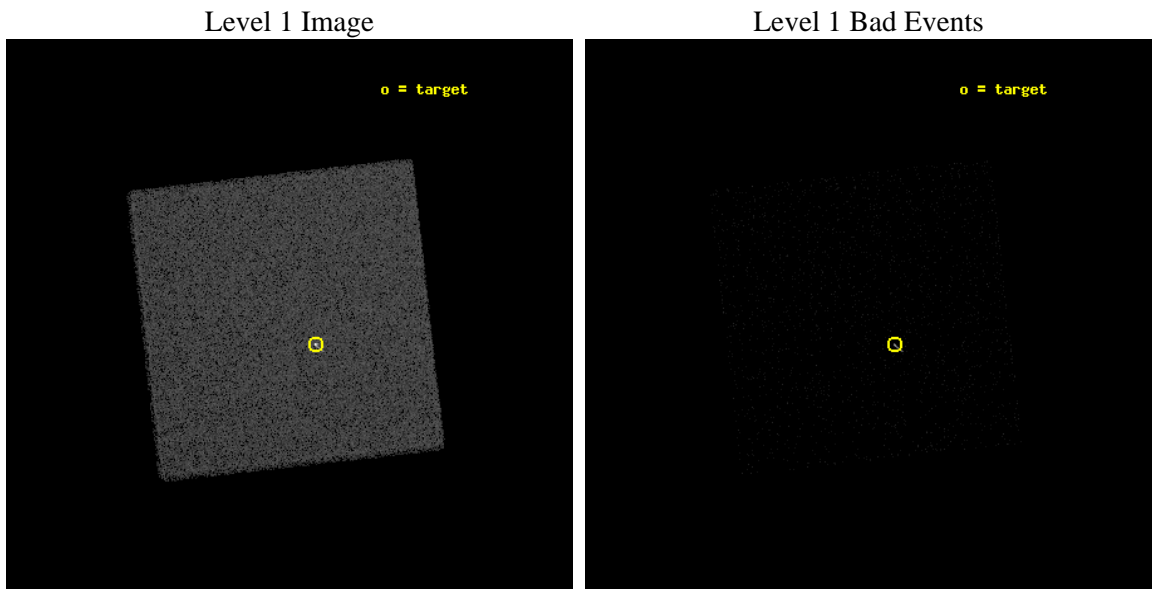
seq_num	290825	Sequence number
obs_id	10589	Observation id
title	AO-10 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.23971938912	Nominal RA [deg]
dec_nom	45.782083357688	Nominal Dec [deg]
roll_nom	218.54672787583	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1182.0813094378	[s]
livetime	1167.2486976043	Ontime multiplied by DTCOR
l2events	94750	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	1182.0813094378	[s]
caldbver	4.5.1.1	 	l1events	173236	Number of level 1 events
date	2012-08-13T14:27:02	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

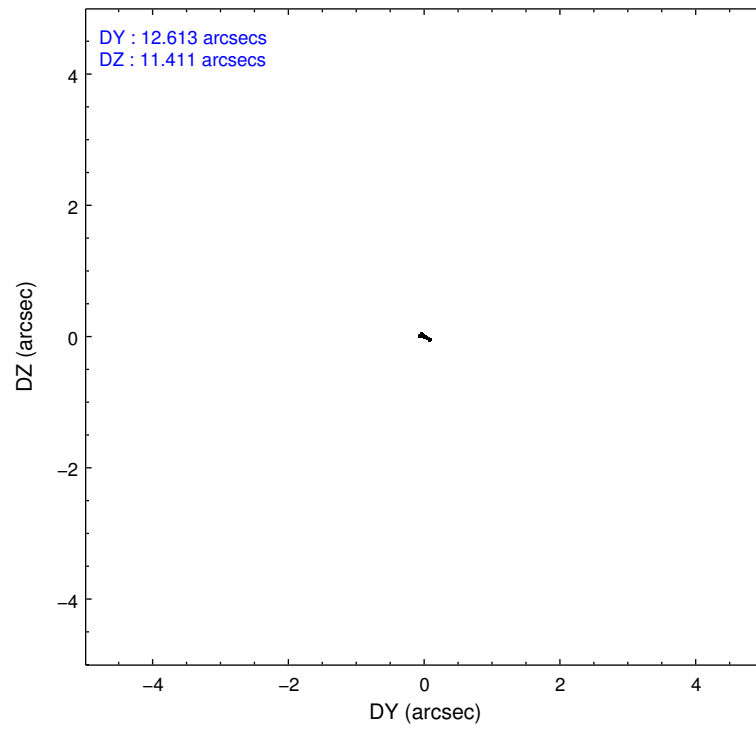
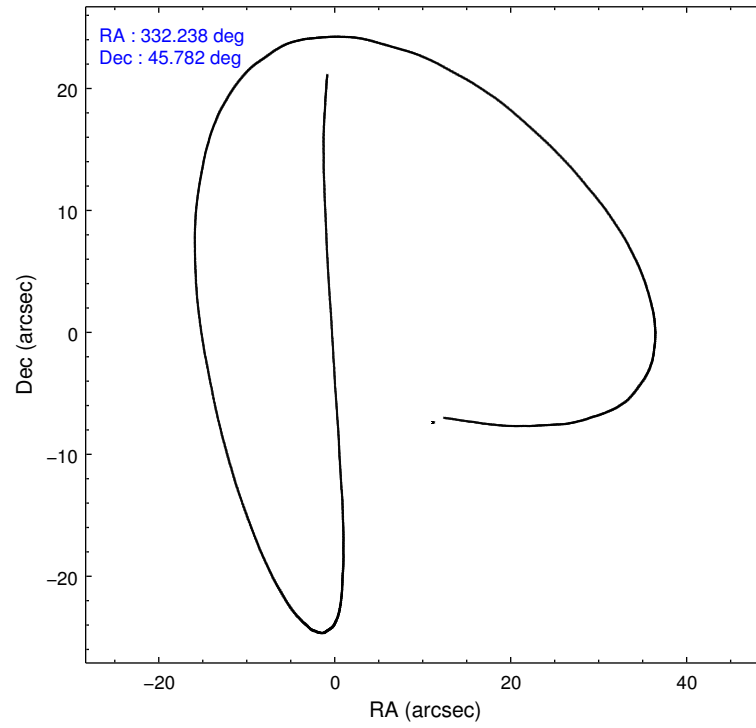
Level 1 Events

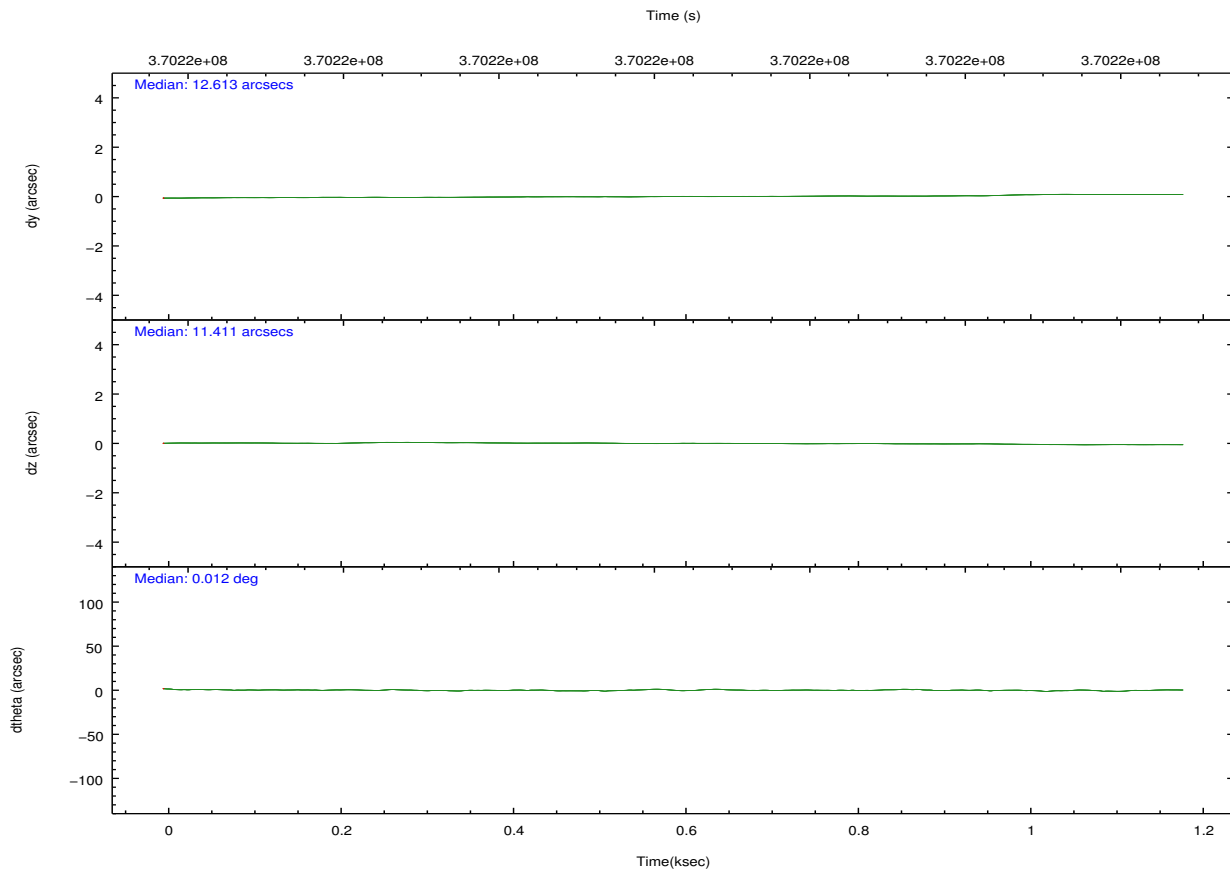
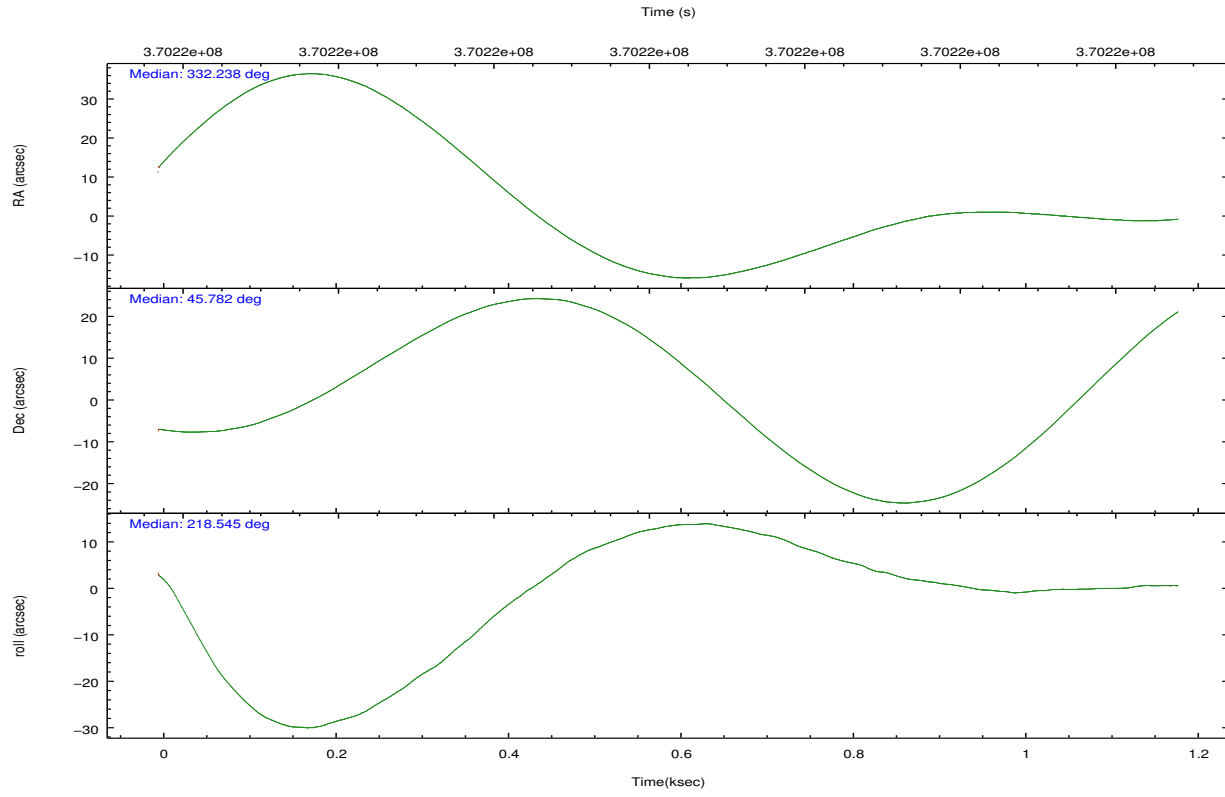
	segment 0
level 1 events	173236
rejected events	37399
rejected %	21%

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	332.252245	332.239719389119			
[deg] Pointing Dec	45.808264	45.78208335768763			
[deg] Pointing Roll	218.633156	218.5467278758287			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9804656746847			
[mm] SIM translation stage offset	0	0.005023216916882234			
[s] Observation start time (MET)	370215409.184000	370215033.53444			
Observation start date	2009-09-24T21:35:43	2009-09-24T21:30:33			
[s] Observation end time (MET)	370216409.184000	370216543.35952			
Observation end date	2009-09-24T21:52:23	2009-09-24T21:55:43			

2.3 Aspect



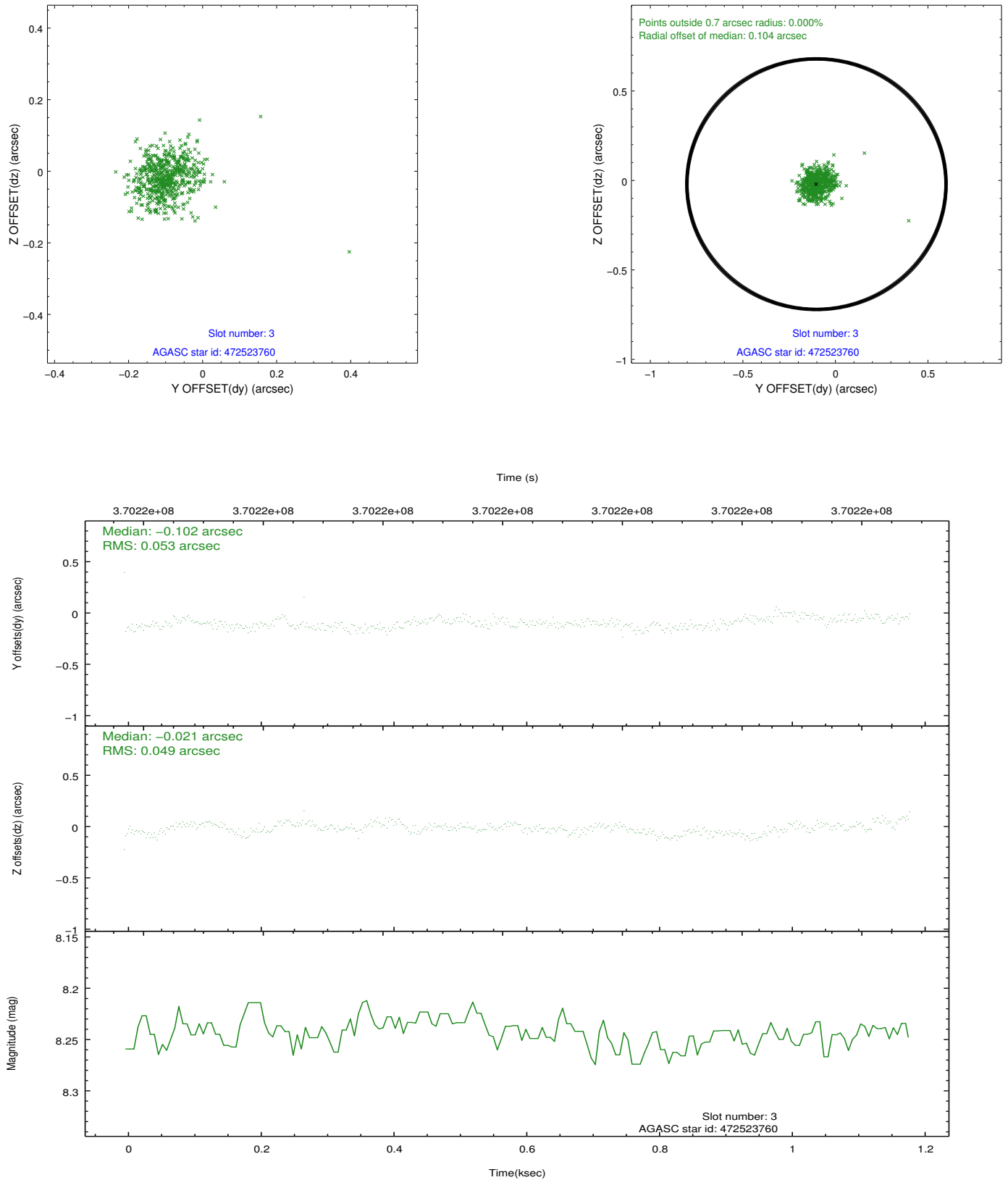


Slot Statistics

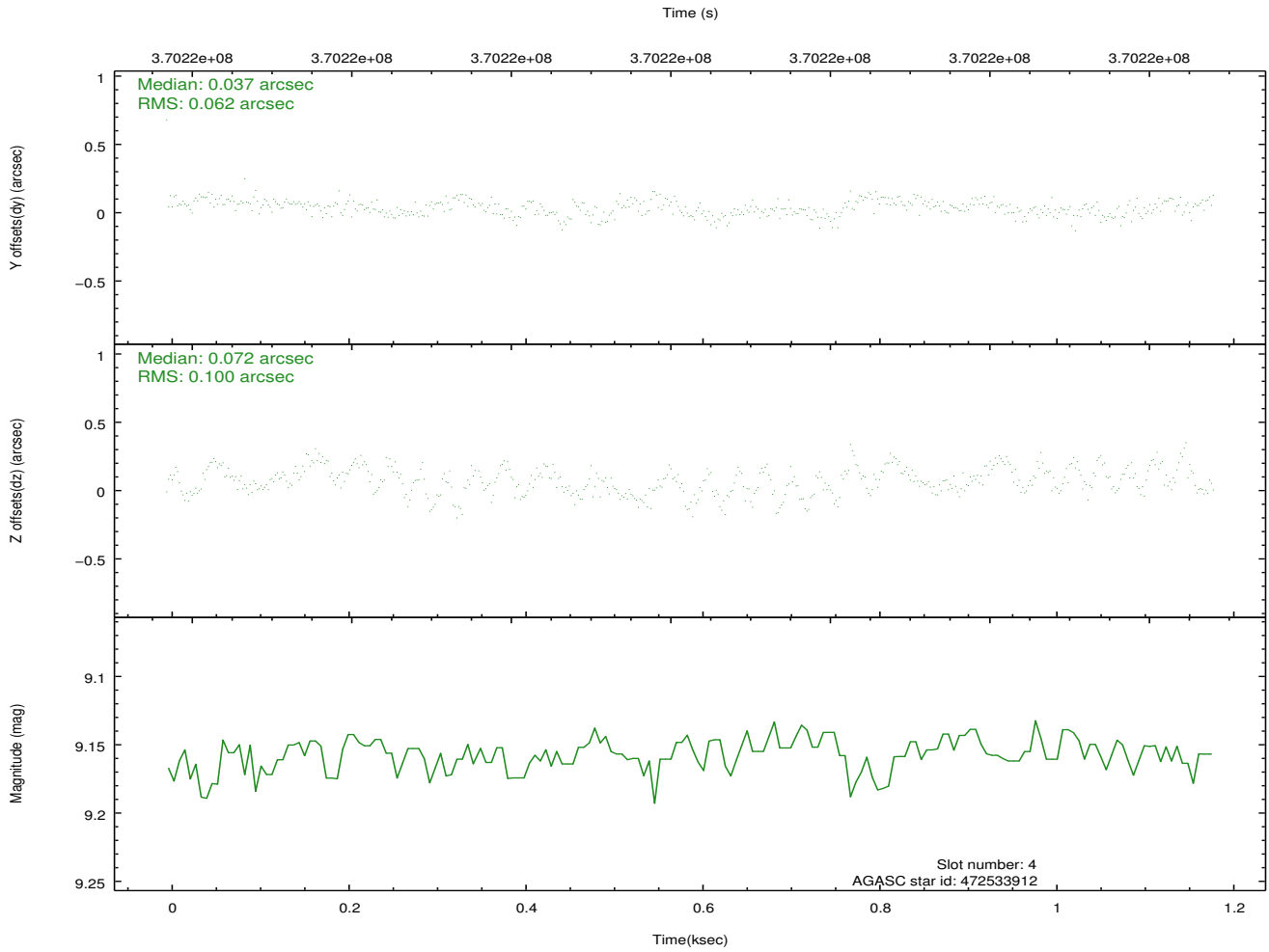
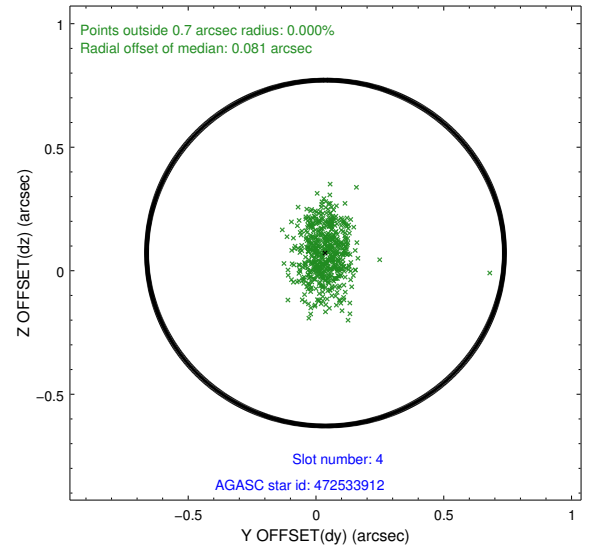
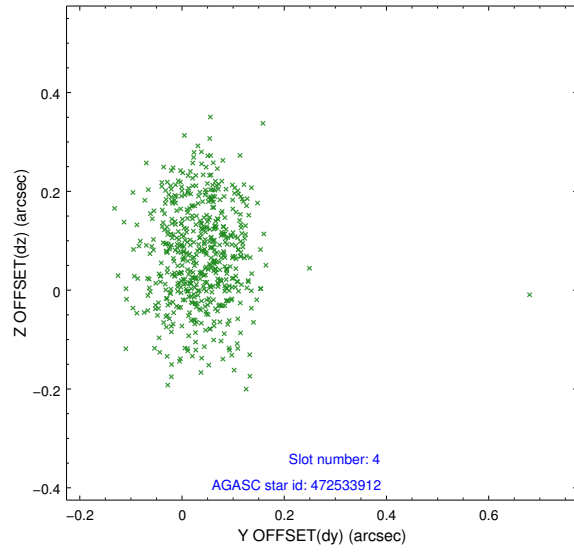
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	289	-0.118	-0.060	0.006	0.010	0.000000	0.000000	-768.56	-1299.34
1	FID	HRC-I-2	7.01	289	0.166	-0.065	0.007	0.012	0.000000	0.000000	841.70	-1305.51
2	FID	HRC-I-4	7.01	289	0.068	0.033	0.005	0.009	0.000000	0.000000	1277.47	998.27
3	GUIDE	472523760	8.24	578	-0.102	-0.021	0.074	0.116	331.645363	45.403260	2105.69	173.86
4	GUIDE	472533912	9.16	577	0.037	0.072	0.122	0.208	331.791136	46.368695	-362.41	-2296.35
5	GUIDE	472655152	9.42	577	-0.033	-0.155	0.129	0.218	332.504239	45.862991	-617.02	232.71
6	GUIDE	472665256	9.02	578	0.013	0.081	0.085	0.141	332.808125	46.195041	-1954.68	-229.18
7	GUIDE	472663080	9.41	577	0.084	0.045	0.111	0.182	332.652741	46.473840	-2275.68	-1257.22

2.4 Star Slots

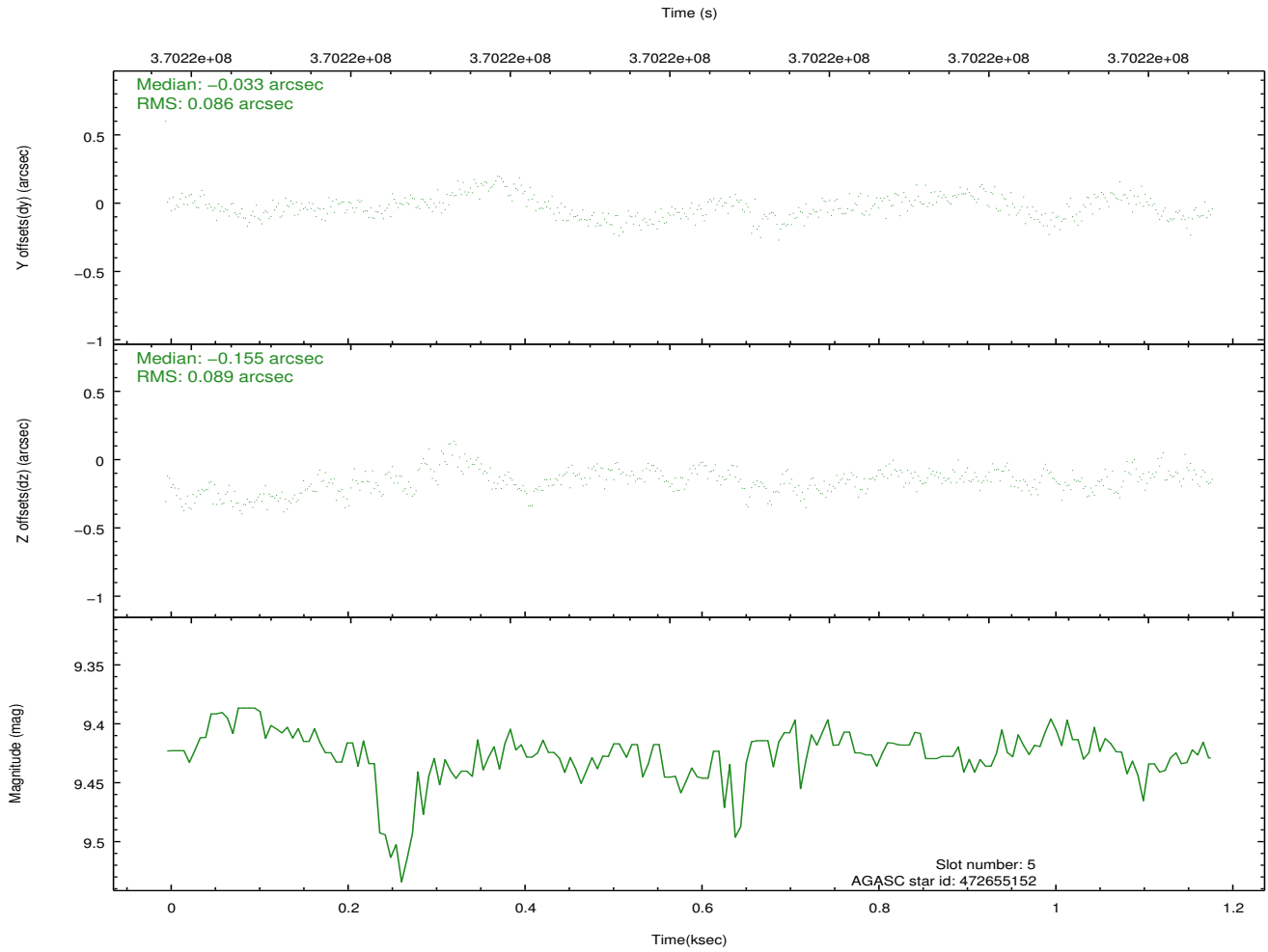
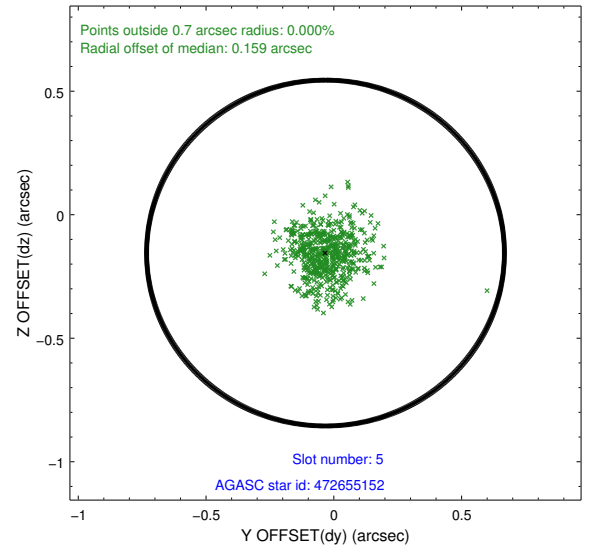
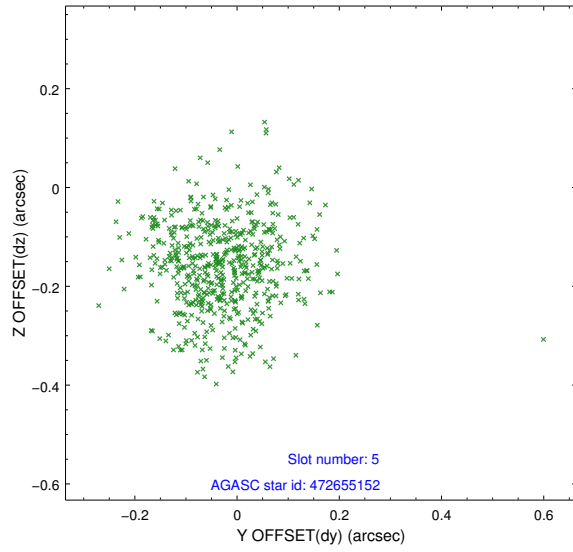
2.4.1 Slot 3



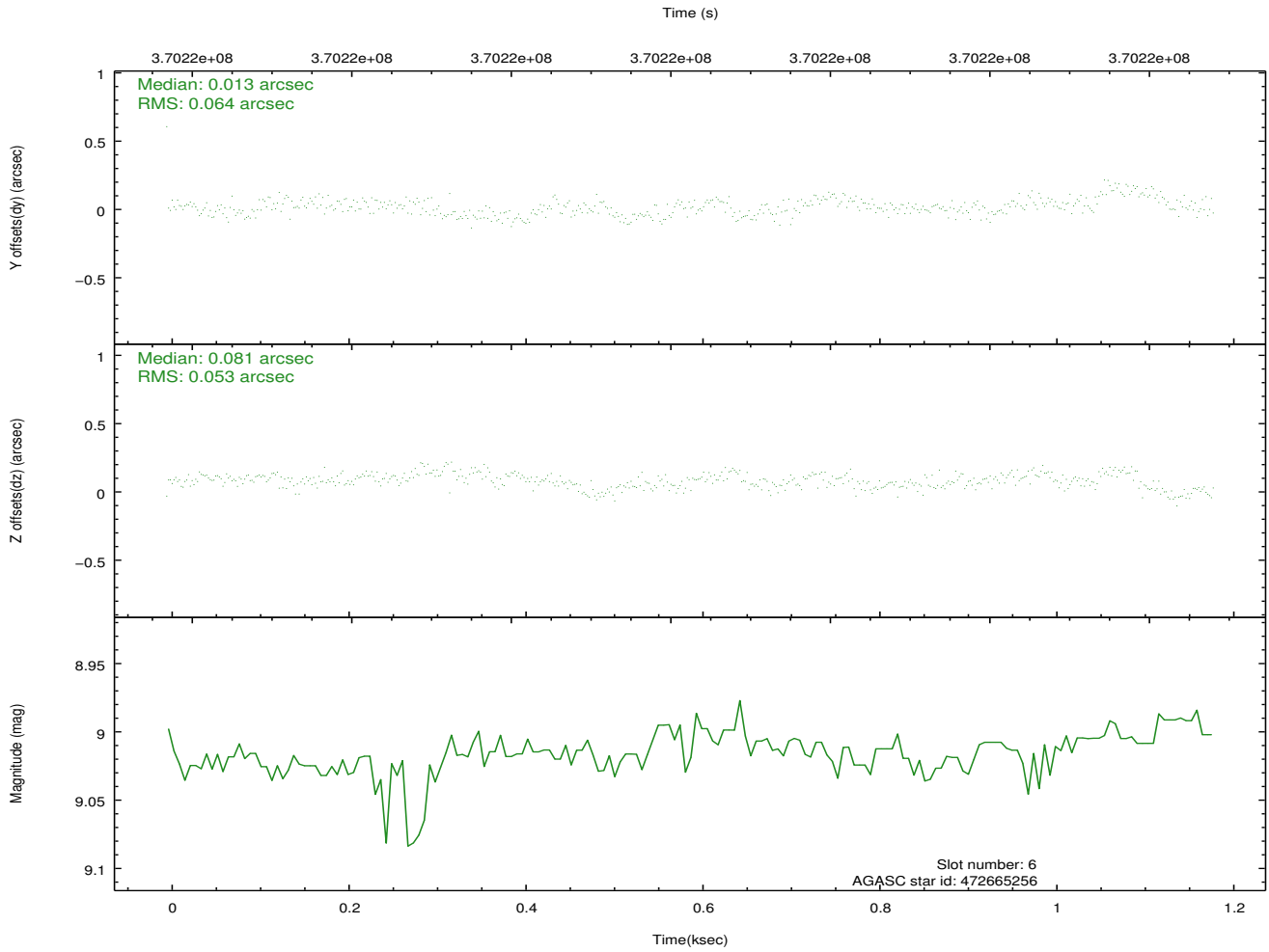
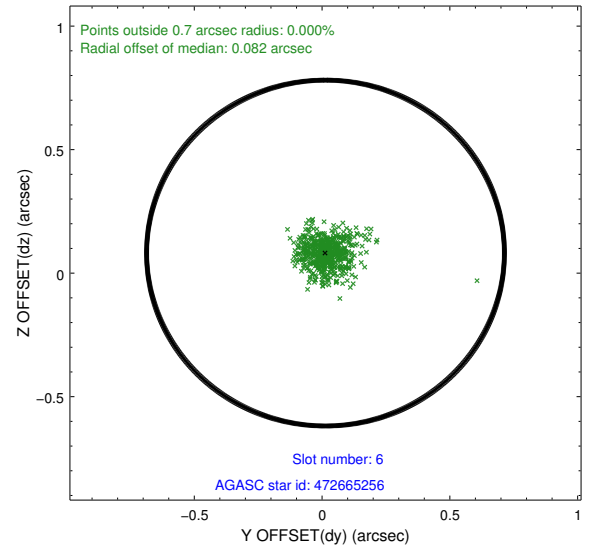
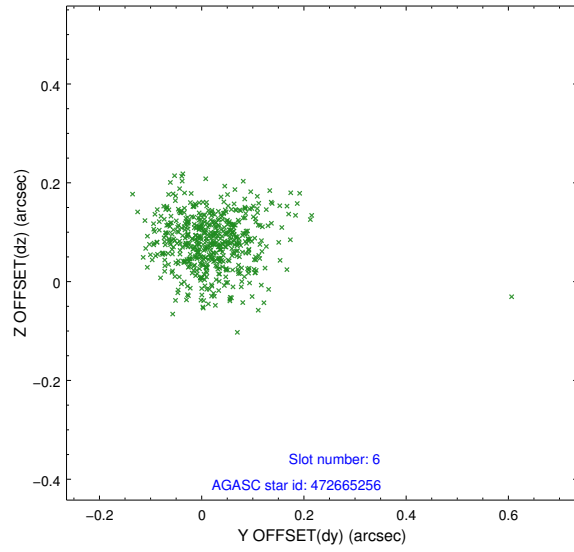
2.4.2 Slot 4



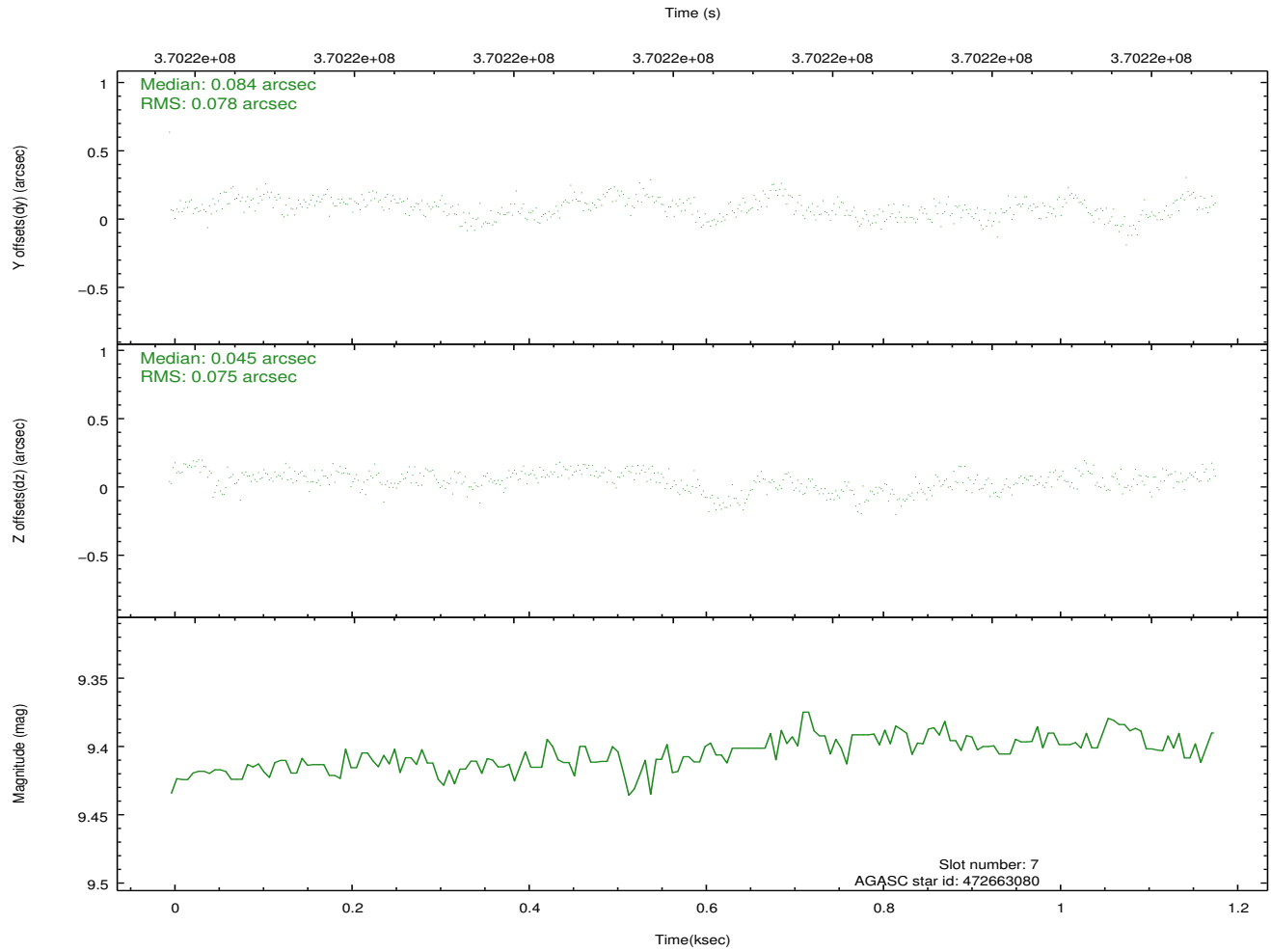
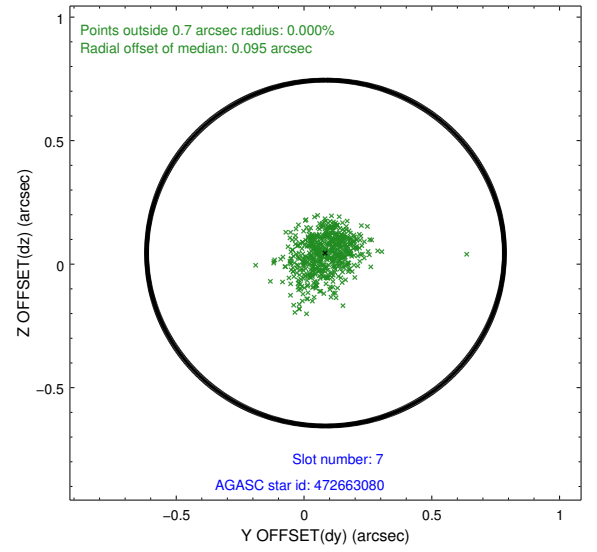
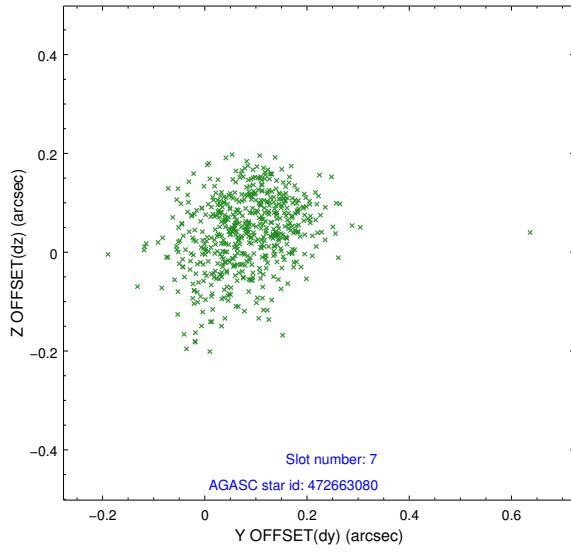
2.4.3 Slot 5



2.4.4 Slot 6

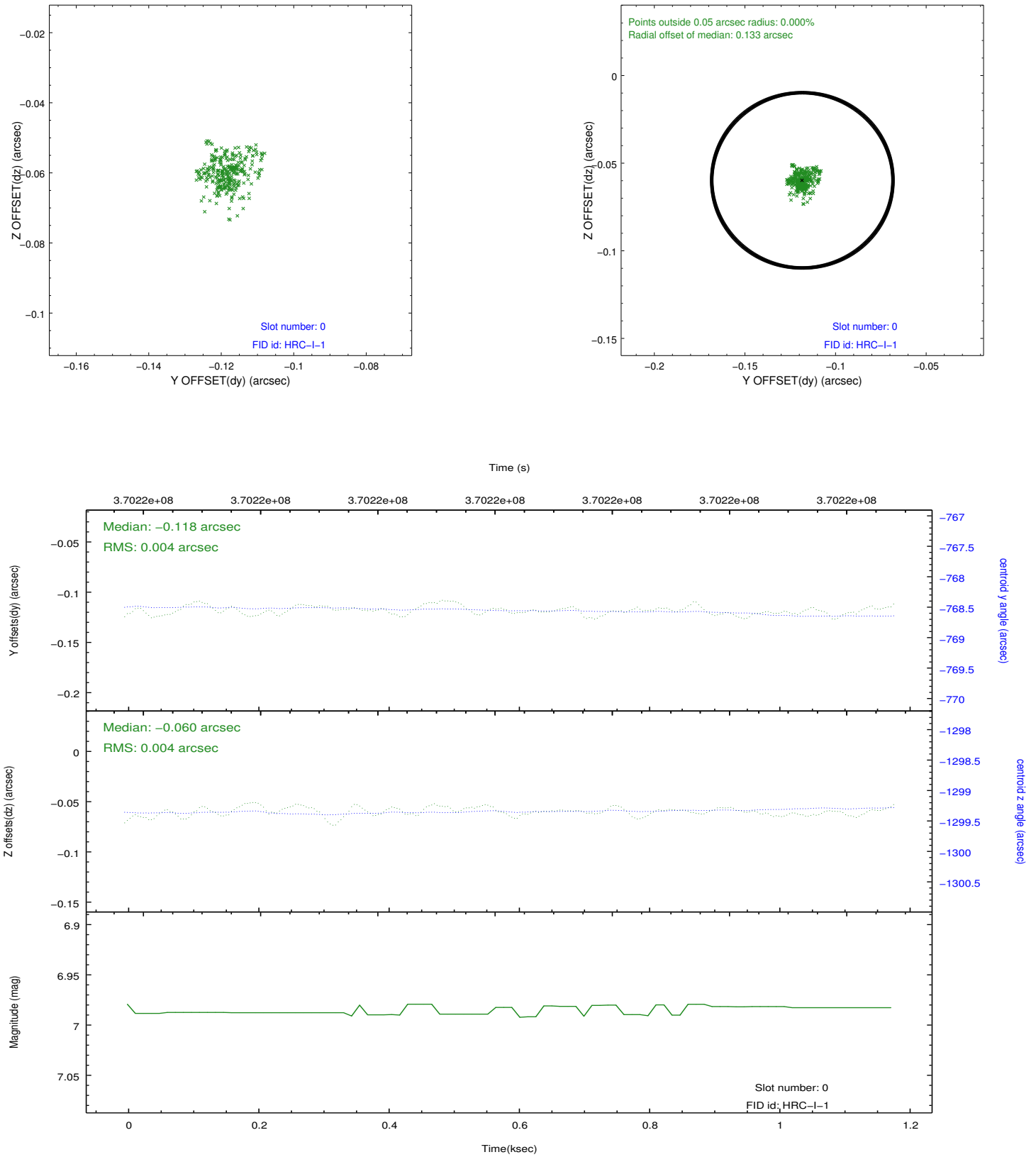


2.4.5 Slot 7

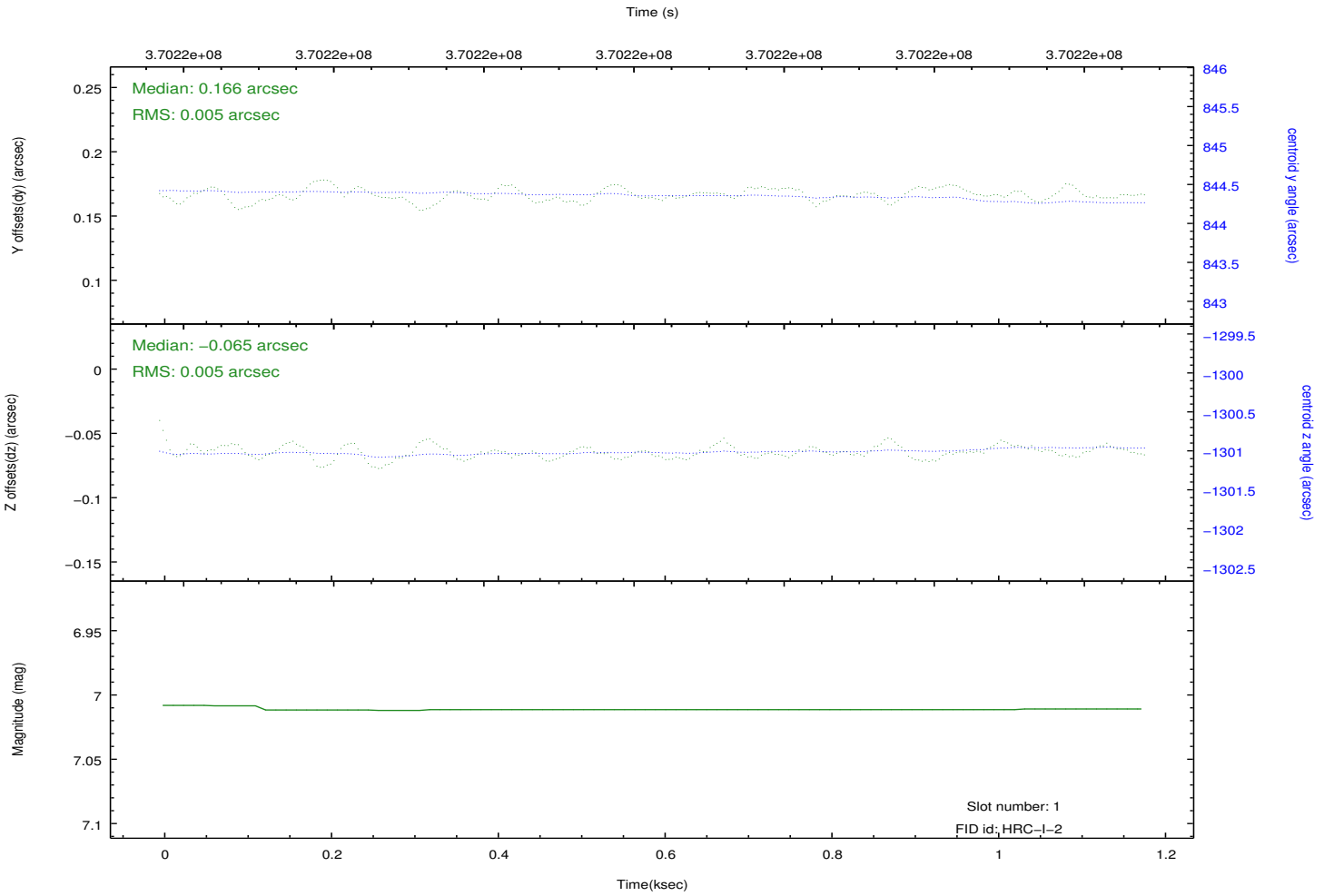
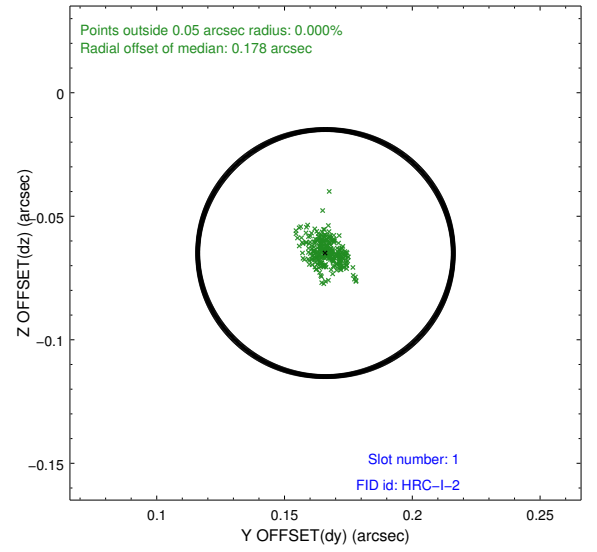
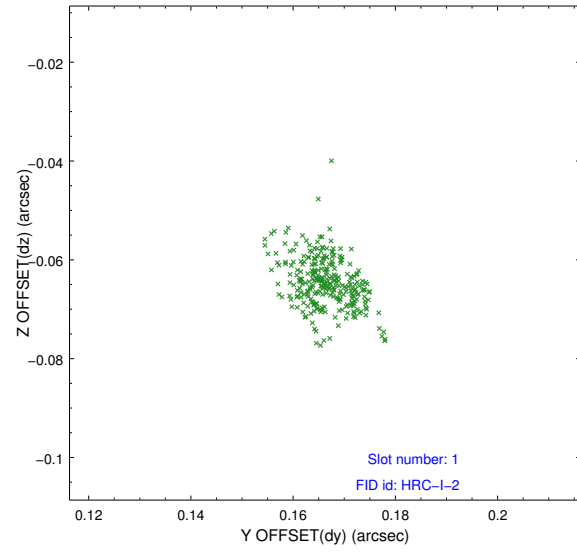


2.5 FID Slots

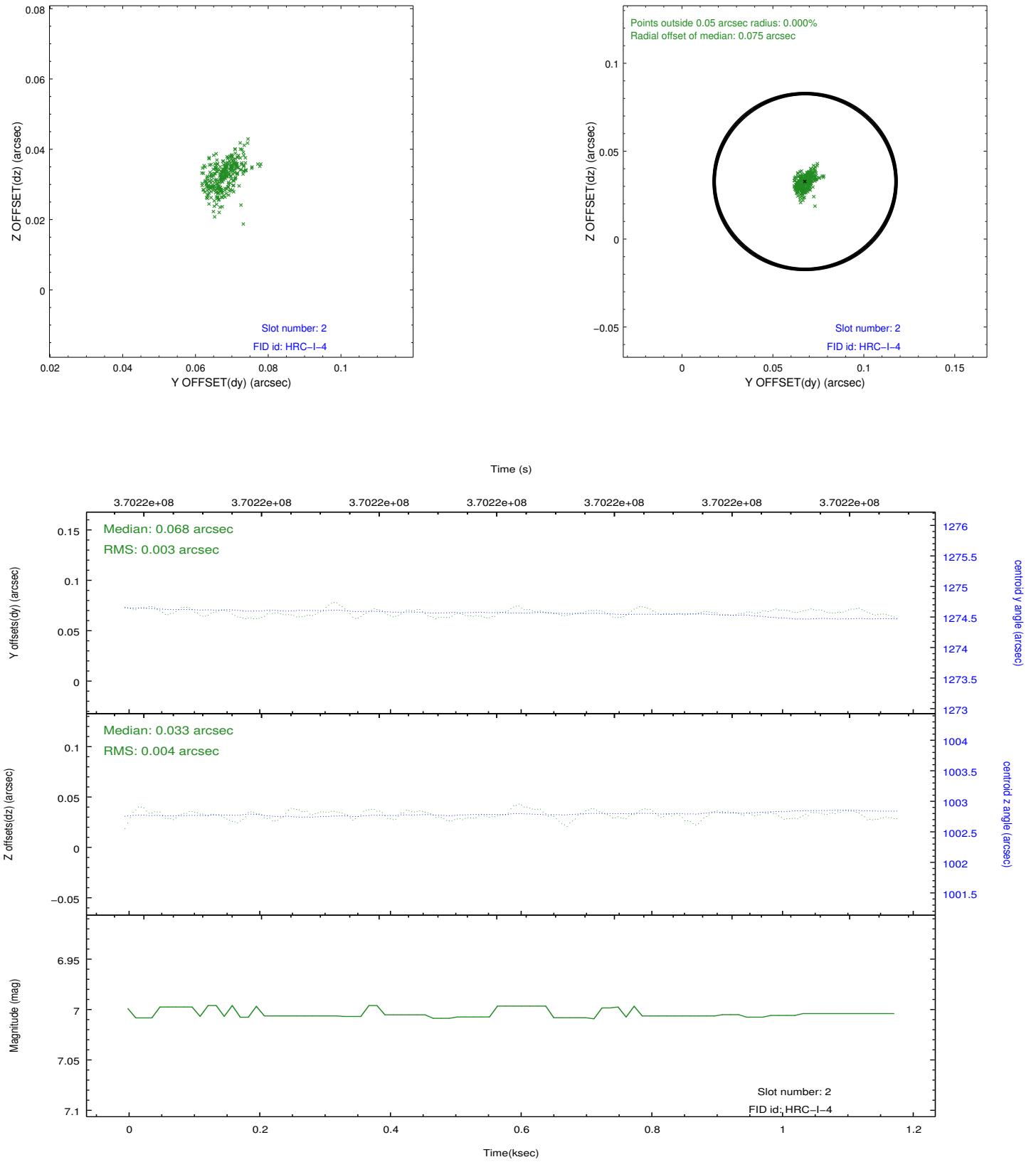
2.5.1 Slot 0



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)	2012.08.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813093781

A.2 Comments