

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6536 - L2 Version 4
Chandra X-Ray Center

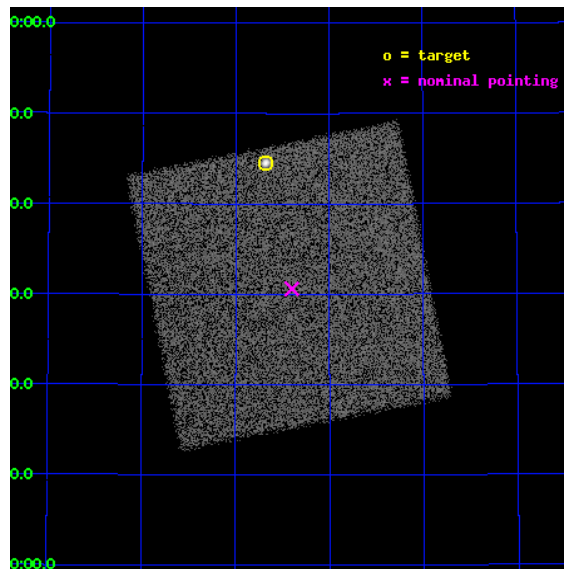
L2 Processing Date : Aug 11 2012

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

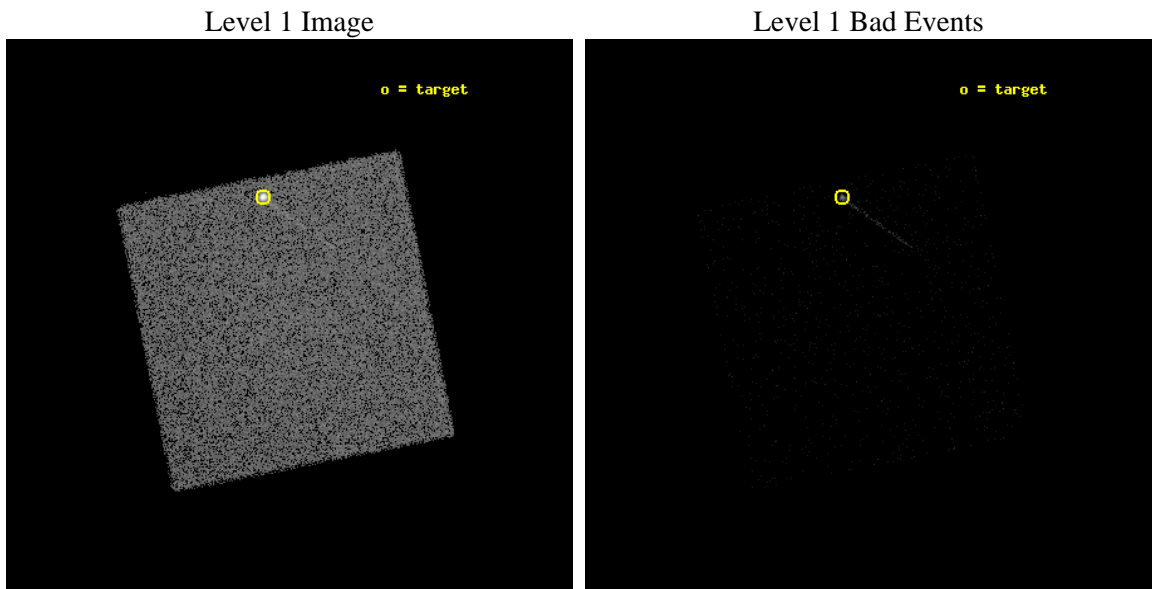
seq_num	290629	Sequence number
obs_id	6536	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.10005177617	Nominal RA [deg]
dec_nom	45.510033993981	Nominal Dec [deg]
roll_nom	213.82253521486	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1182.0813055038	[s]
livetime	1171.1805807846	Ontime multiplied by DTCOR
l2events	62528	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	1182.0813055038	[s]
caldbver	4.5.1.1	 	l1events	116864	Number of level 1 events
date	2012-08-11T13:41:17	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

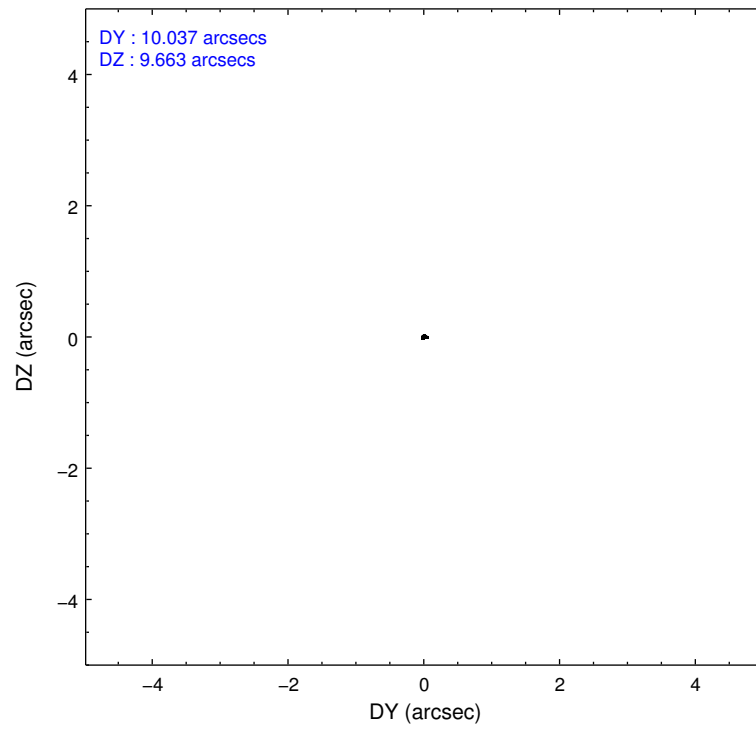
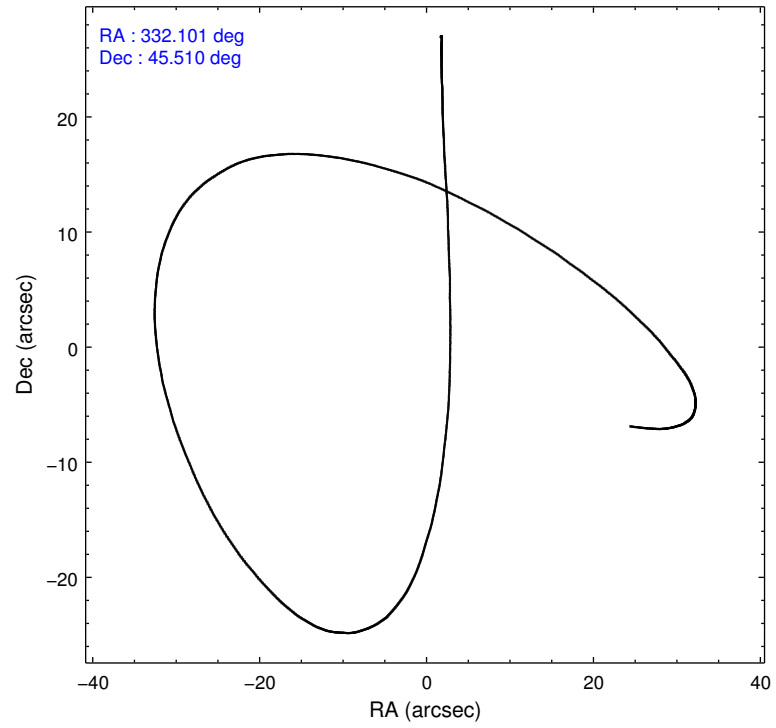
	segment 0
level 1 events	116864
rejected events	25309
rejected %	21%

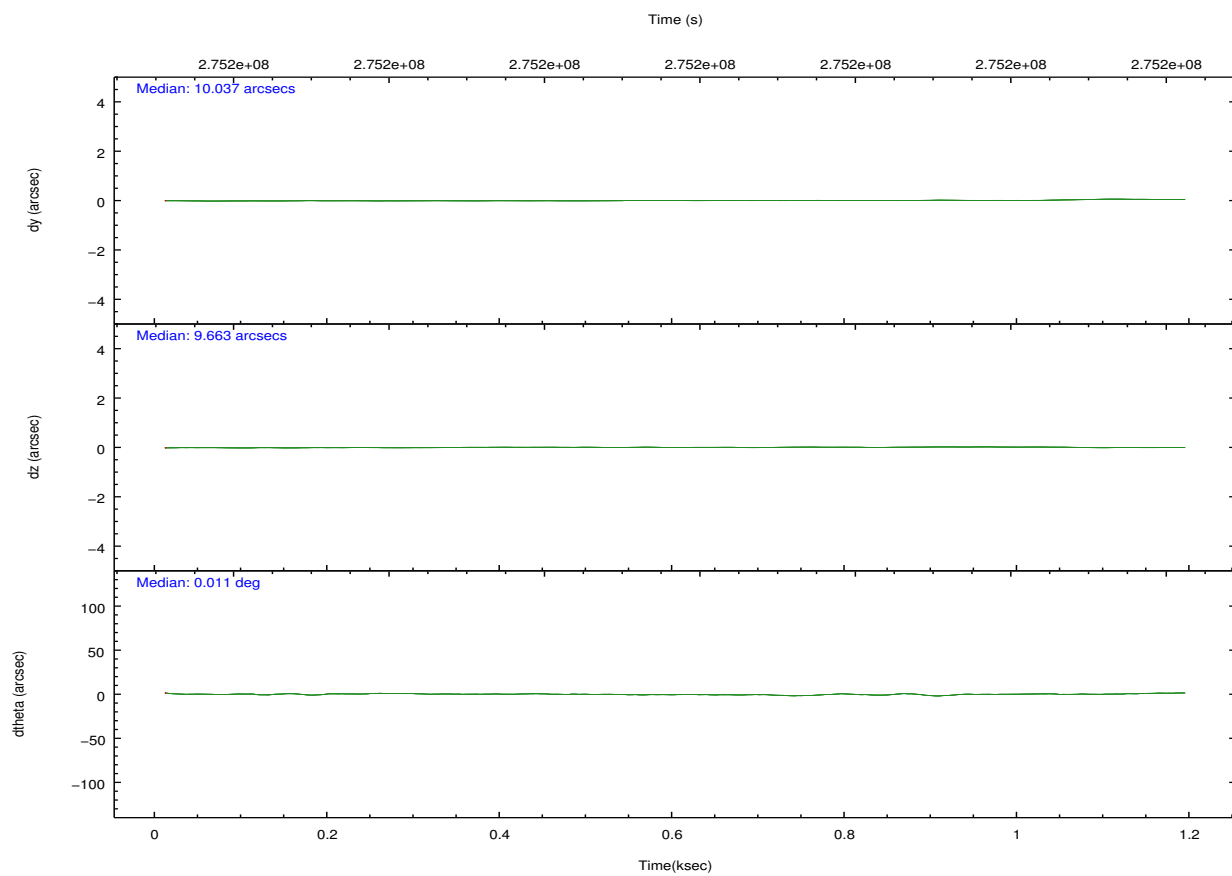
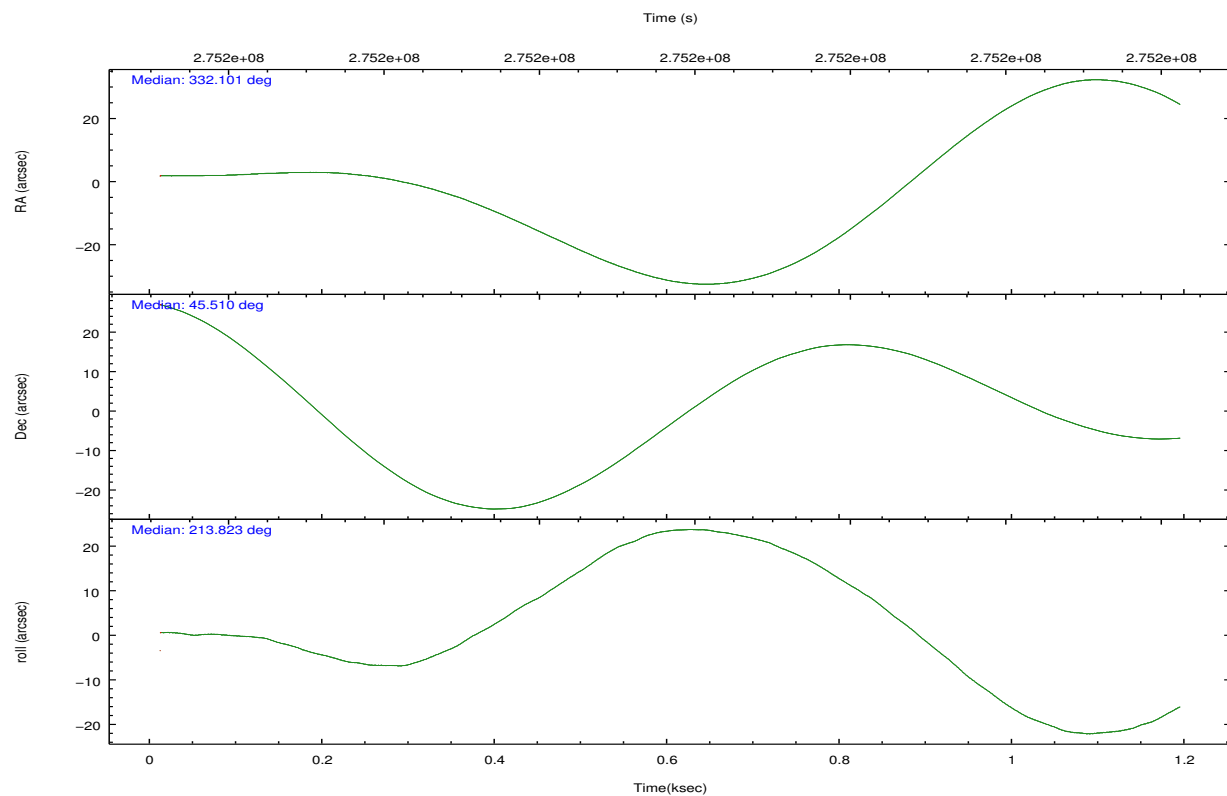
2.2 Compared Parameters

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	332.115486	332.1000517761716
[deg] Pointing Dec	45.534803	45.51003399398082
[deg] Pointing Roll	213.907010	213.822535214863
[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)	275195972.184000	275195595.98955
Observation start date	2006-09-21T03:18:27	2006-09-21T03:13:15
[s] Observation end time (MET)	275196972.184000	275197106.32713
Observation end date	2006-09-21T03:35:07	2006-09-21T03:38:26

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

2.3 Aspect



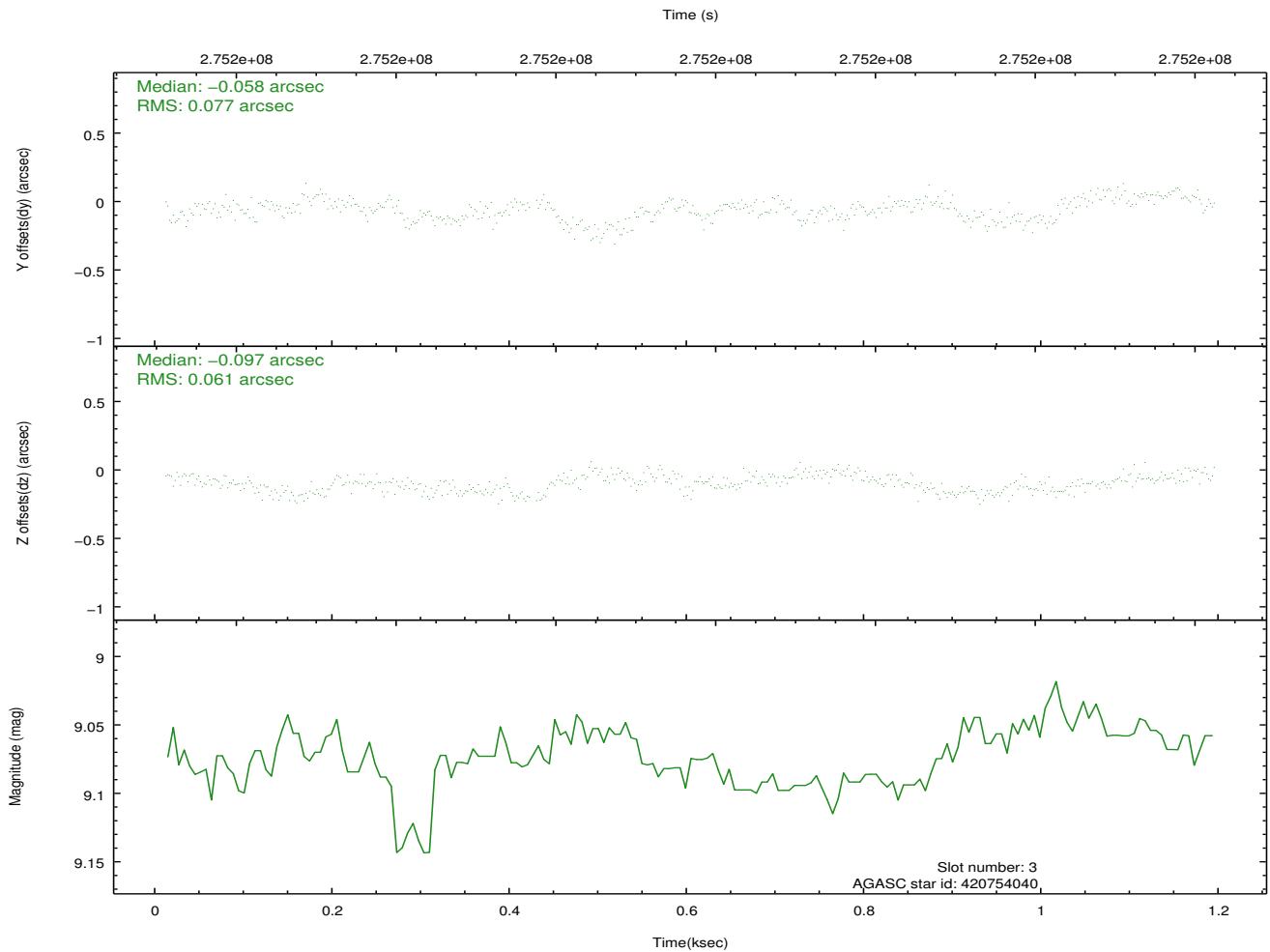
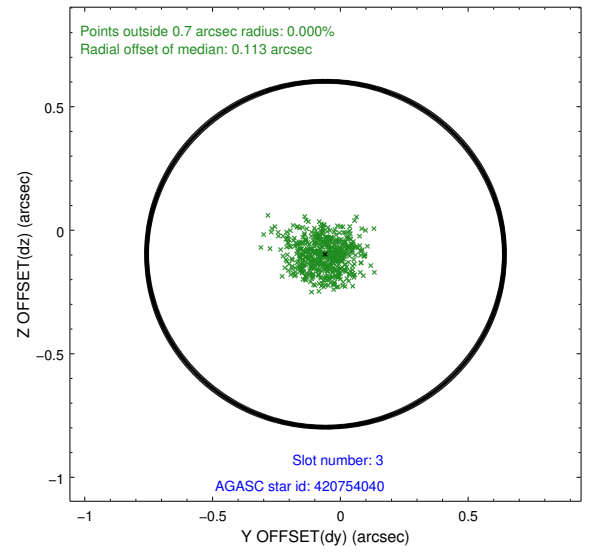
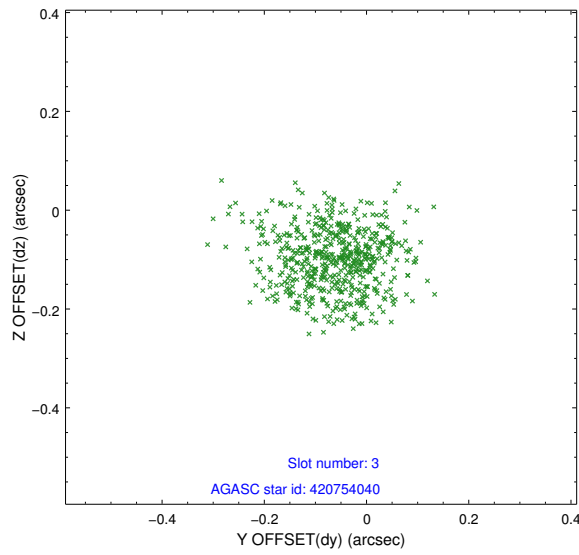


Slot Statistics

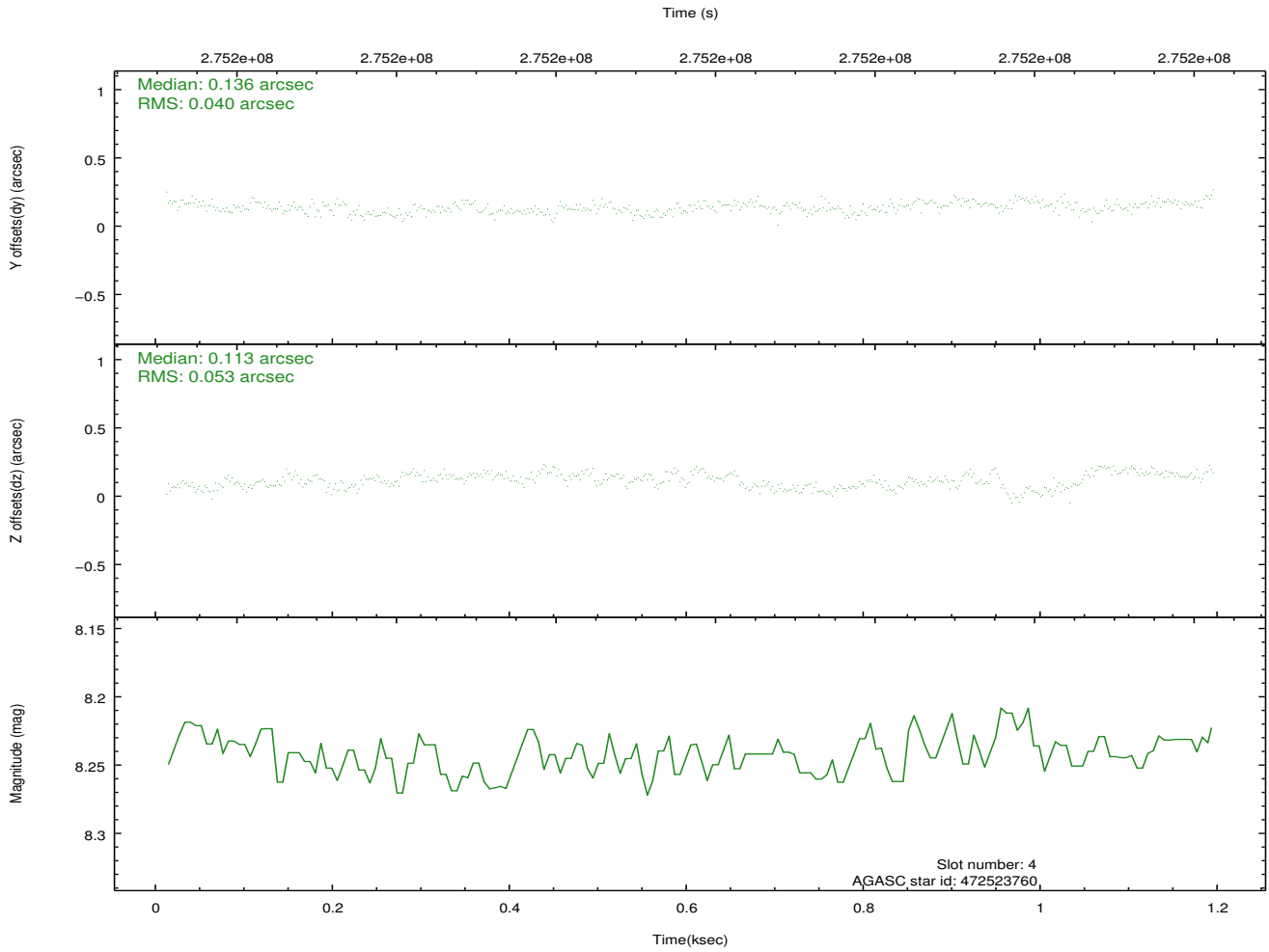
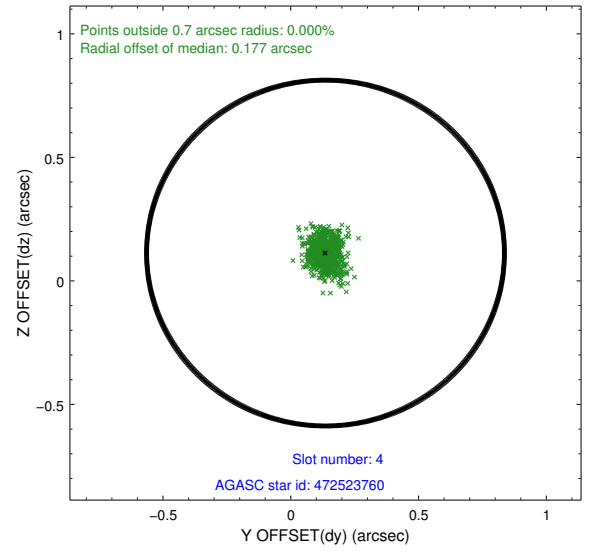
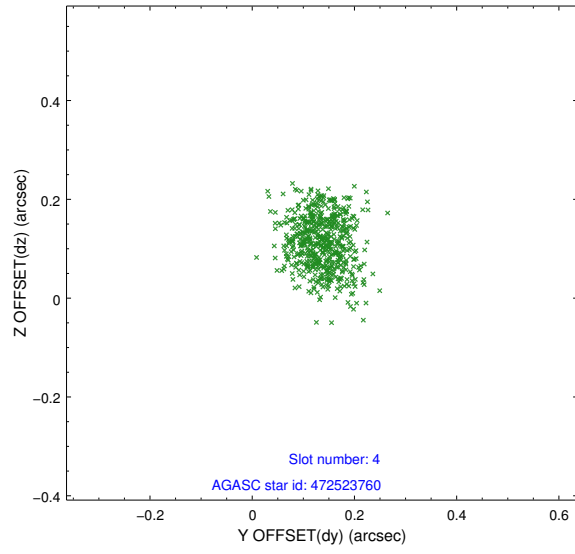
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	289	-0.021	-0.029	0.006	0.011	0.000000	0.000000	-765.79	-1297.58
1	FID	HRC-I-2	7.01	289	0.101	-0.044	0.006	0.010	0.000000	0.000000	844.32	-1303.73
2	FID	HRC-I-4	6.99	289	0.037	-0.019	0.004	0.007	0.000000	0.000000	1280.08	1000.00
3	GUIDE	420754040	9.07	574	-0.058	-0.097	0.105	0.166	331.917939	44.882543	1728.74	1665.97
4	GUIDE	472523760	8.24	578	0.136	0.113	0.072	0.112	331.645363	45.403260	1253.33	-271.25
5	GUIDE	472527720	7.02	578	-0.141	-0.064	0.077	0.120	331.460205	45.112509	2229.70	325.38
6	GUIDE	472651904	6.15	577	-0.030	0.003	0.068	0.111	332.170077	45.742257	-524.88	-544.71
7	GUIDE	472655152	9.45	577	0.091	0.031	0.101	0.161	332.504239	45.862991	-1468.42	-441.14

2.4 Star Slots

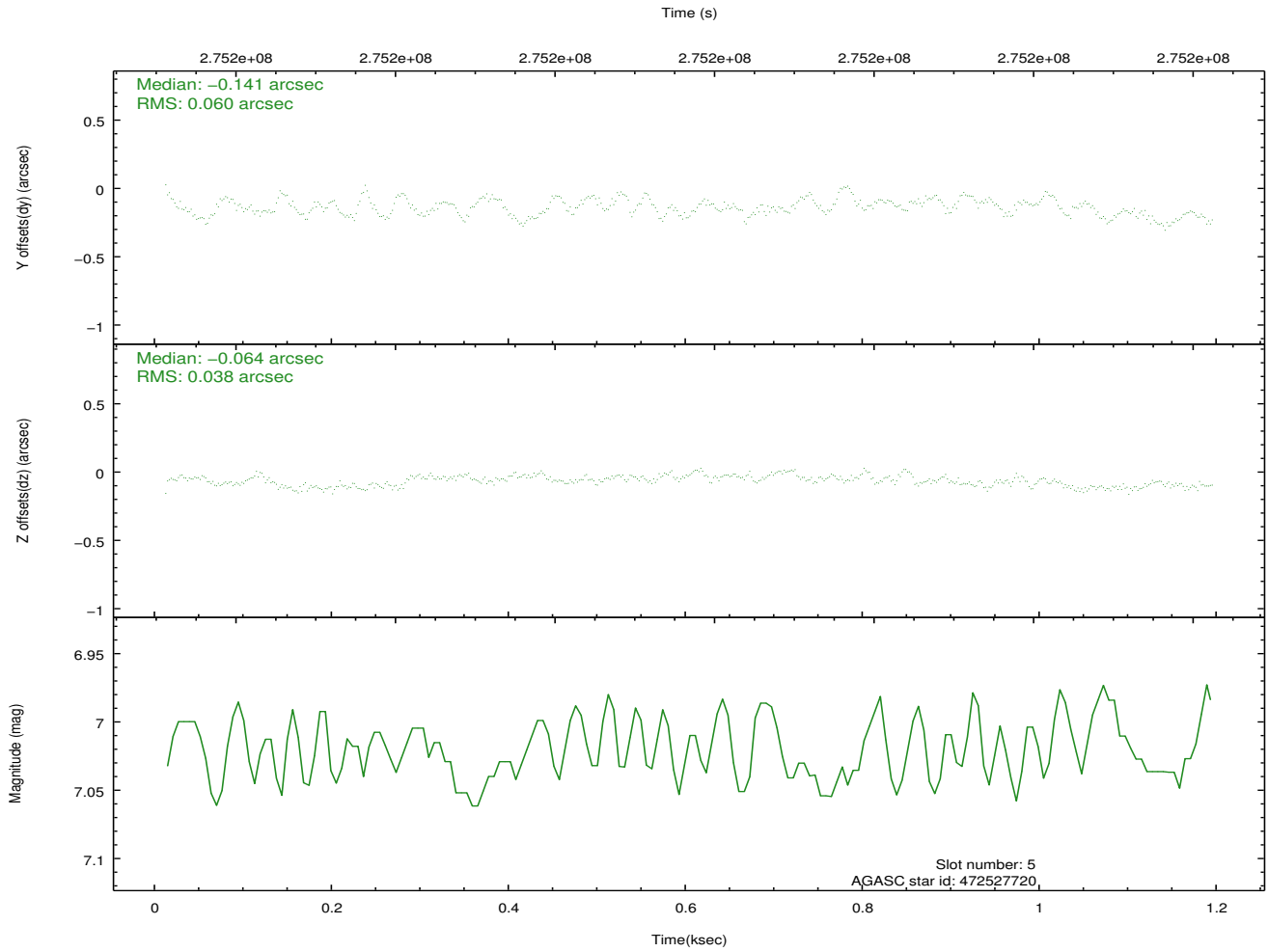
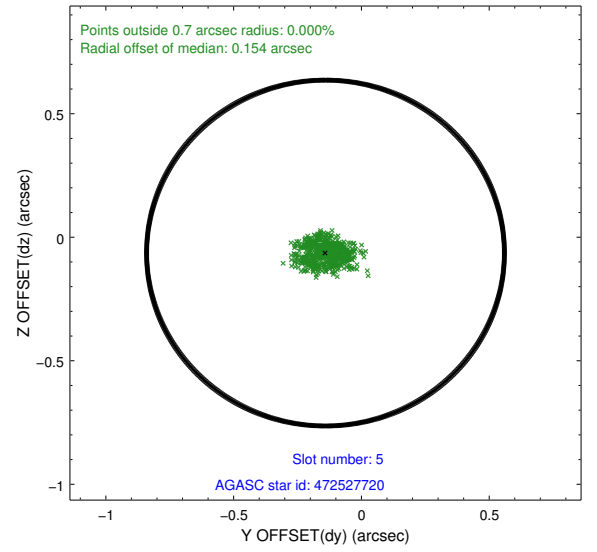
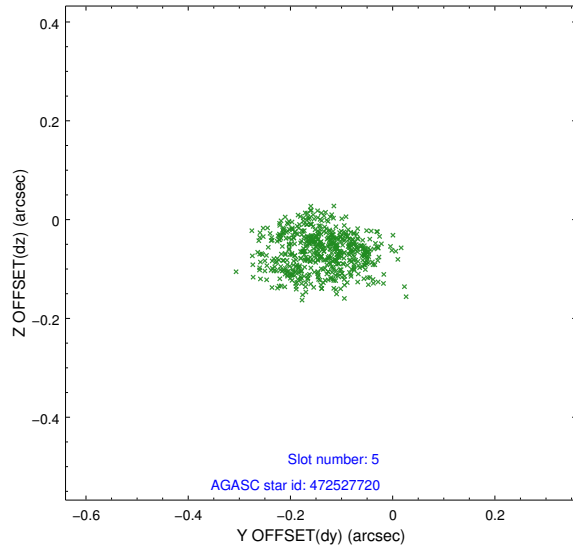
2.4.1 Slot 3



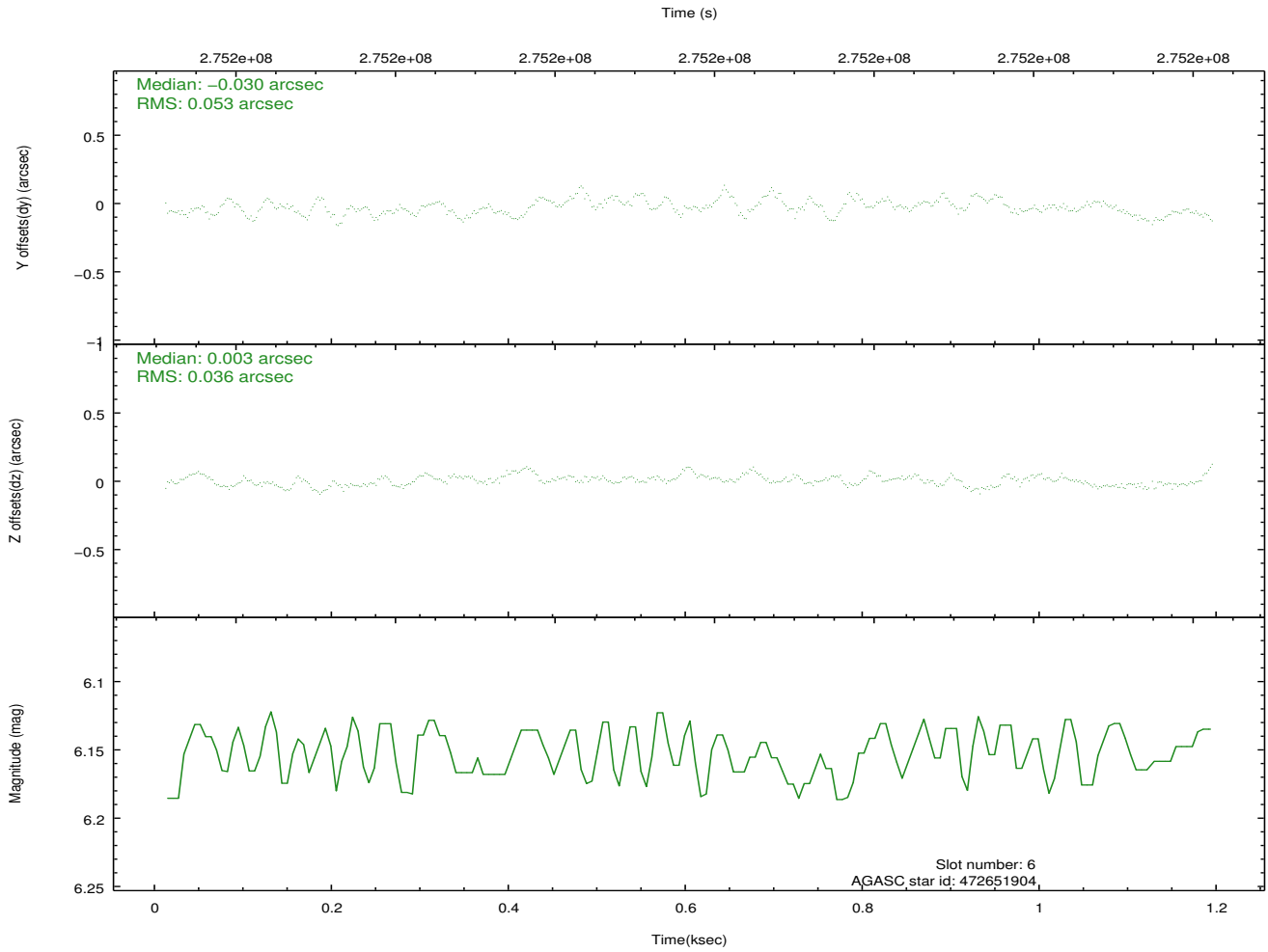
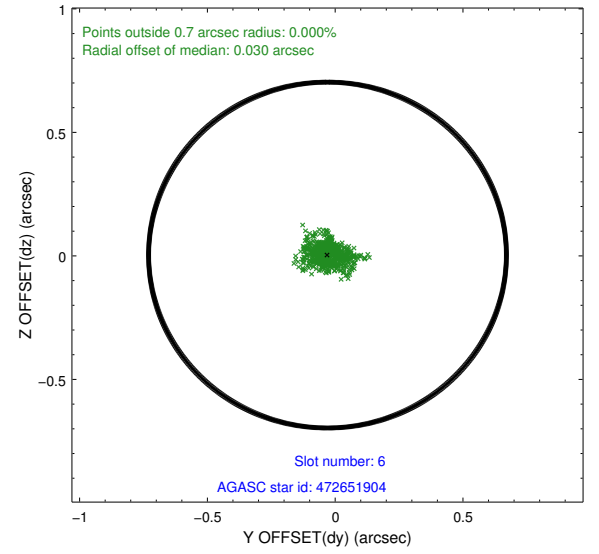
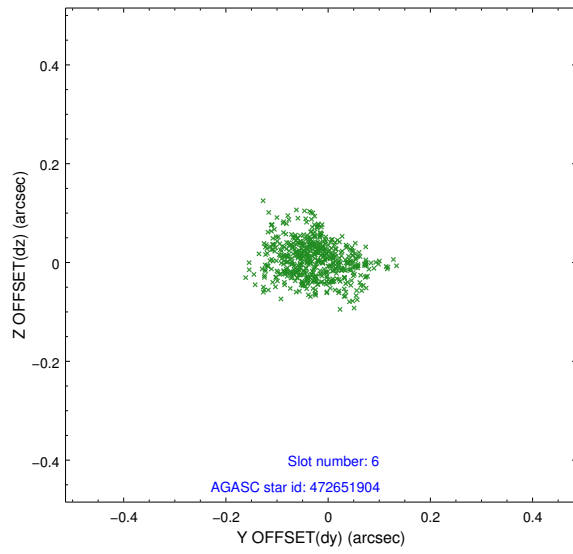
2.4.2 Slot 4



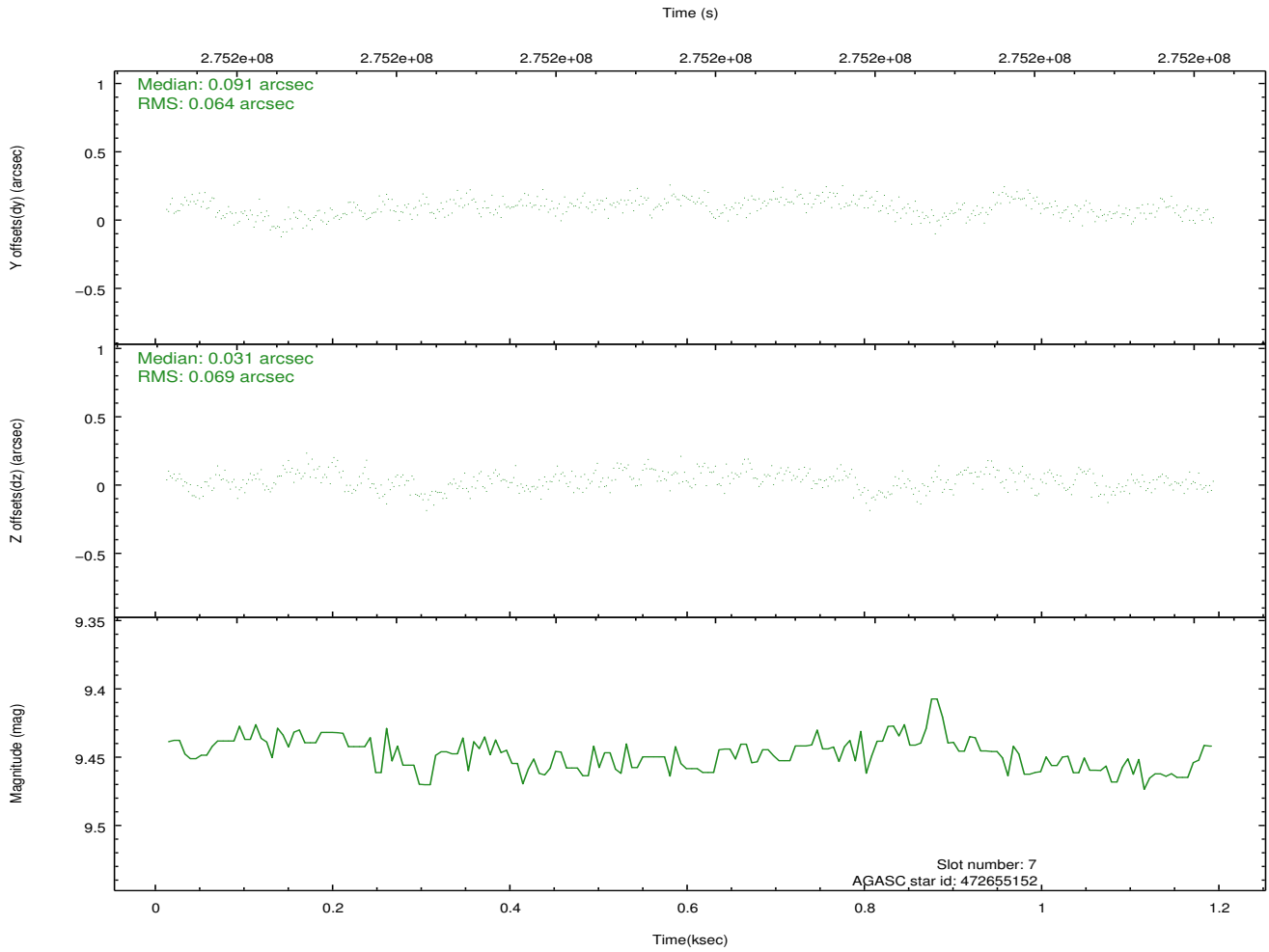
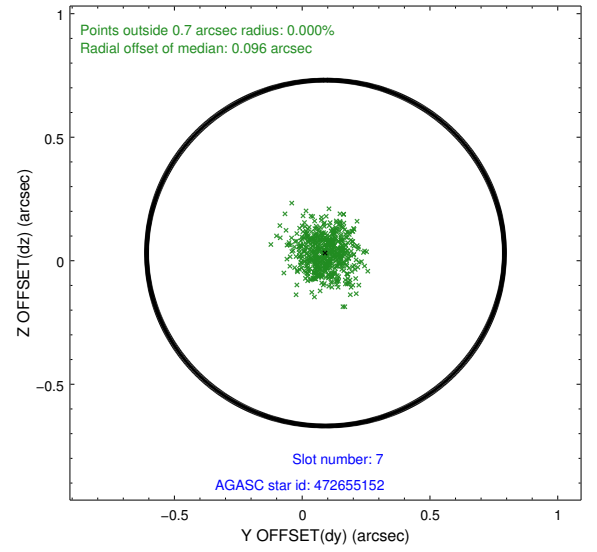
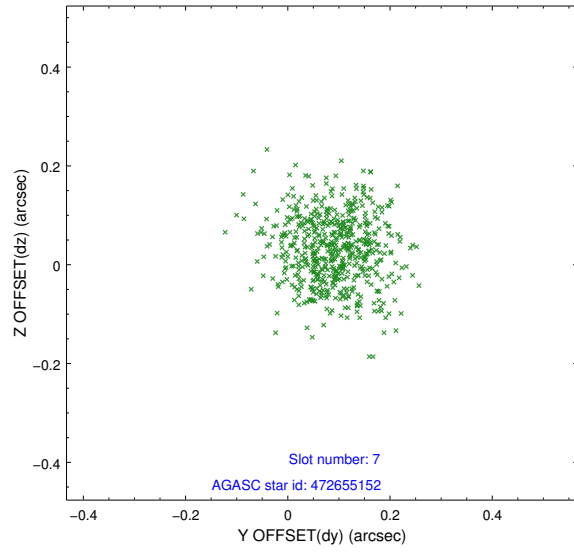
2.4.3 Slot 5



2.4.4 Slot 6

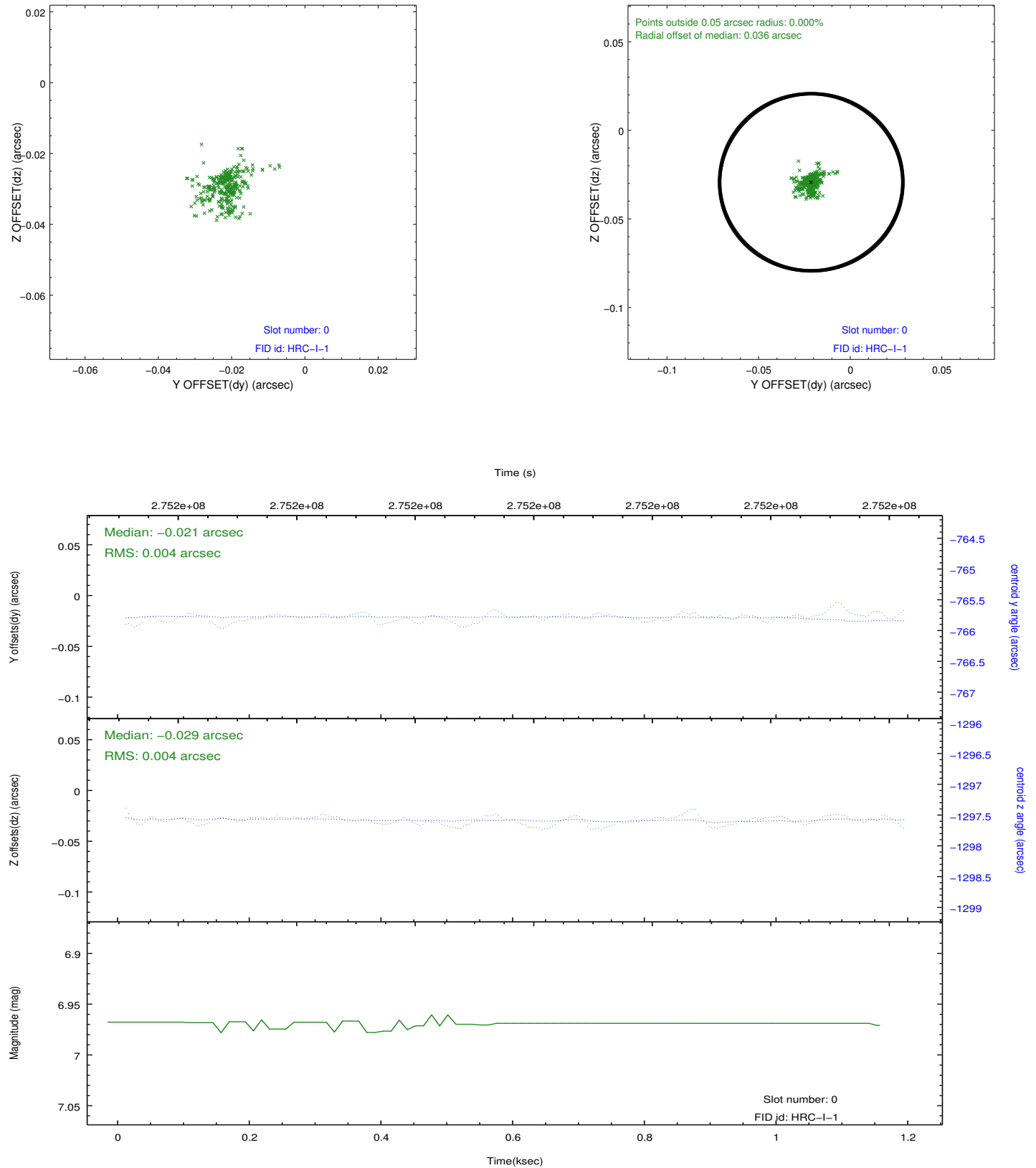


2.4.5 Slot 7

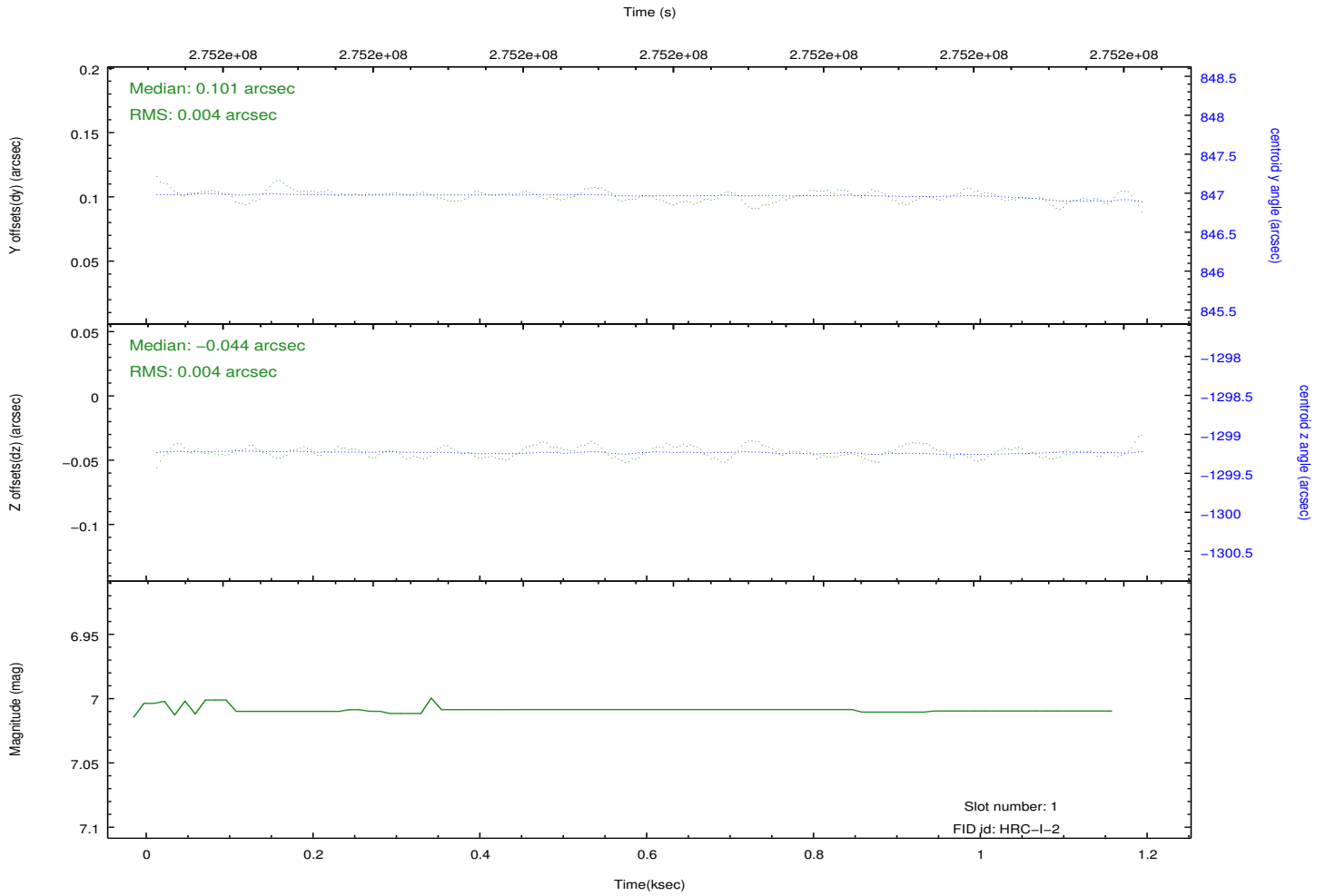
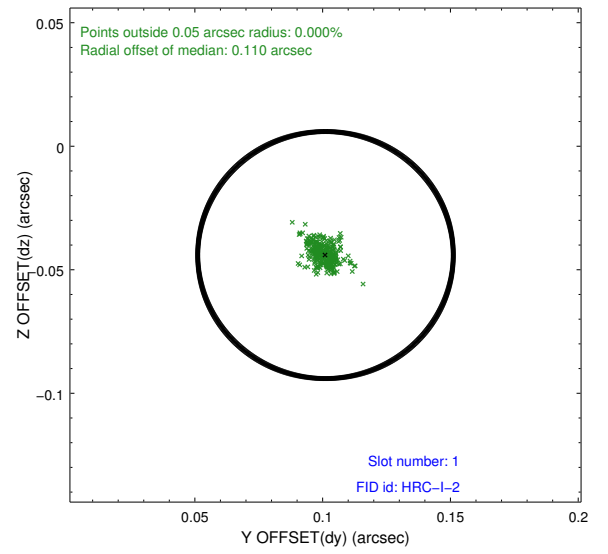
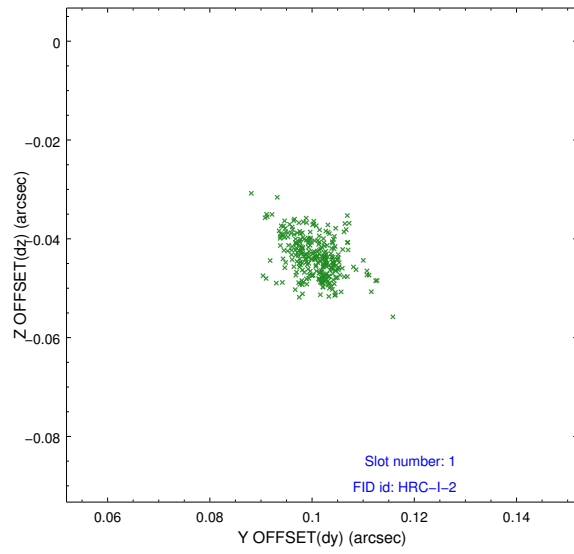


2.5 FID Slots

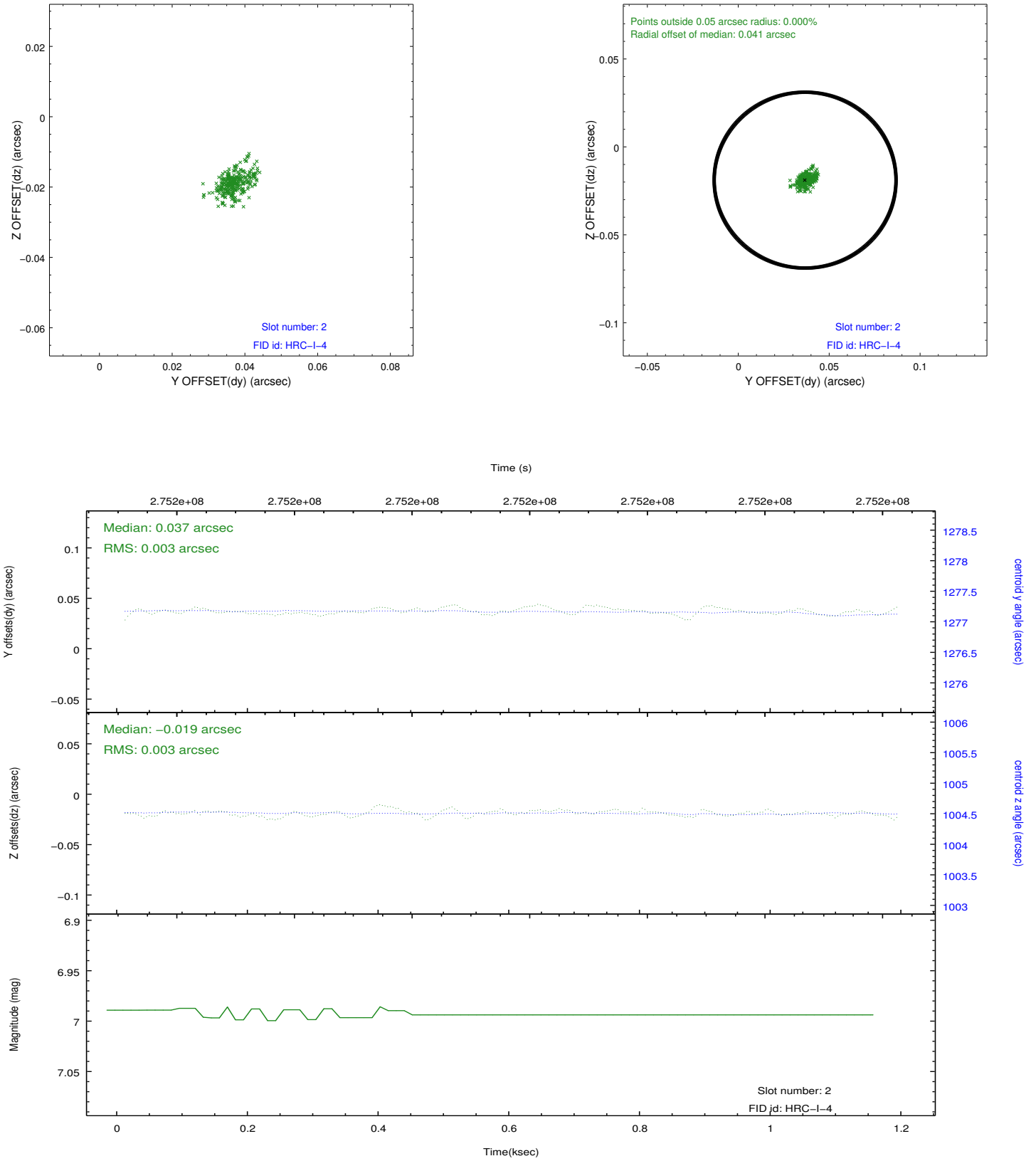
2.5.1 Slot 0



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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813

A.2 Comments

The target is away from the aimpoint of the chip and is therefore extended and asymmetric.