

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17372 - L2 Version 1
Chandra X-Ray Center

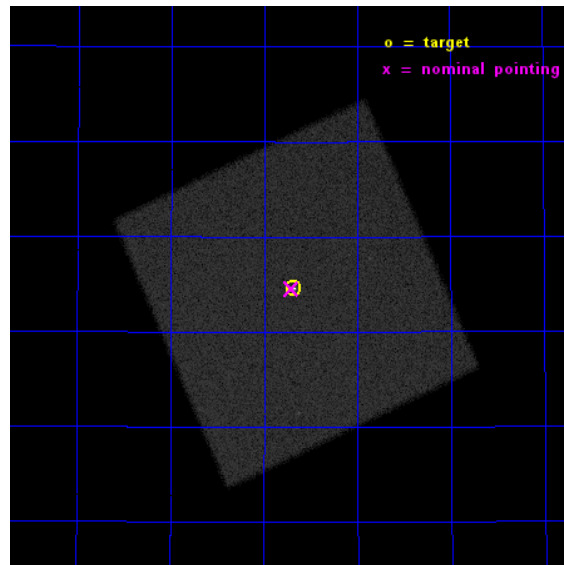
L2 Processing Date : Mar 8 2015

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

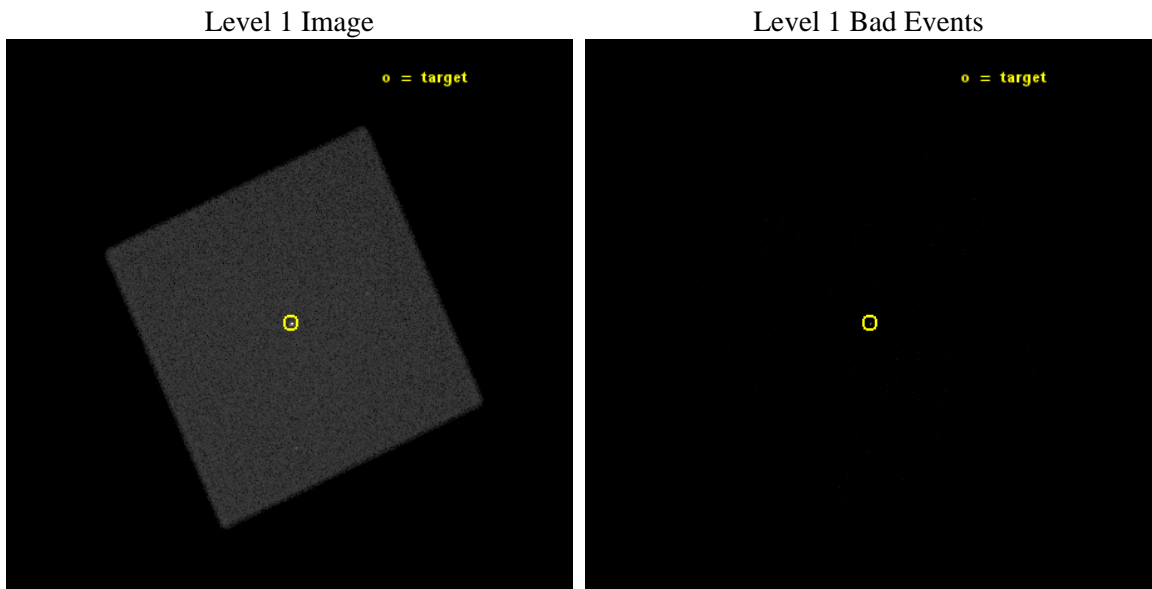
seq_num	291245	Sequence number
obs_id	17372	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17654157211	Nominal RA [deg]
dec_nom	45.742274701896	Nominal Dec [deg]
roll_nom	20.643444882598	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5183.6815402508	[s]
livetime	5142.342224285	Ontime multiplied by DTCOR
l2events	332734	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	5183.6815402508	[s]
caldbver	4.6.7	 	l1events	463154	Number of level 1 events
date	2015-03-08T23:26:27	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

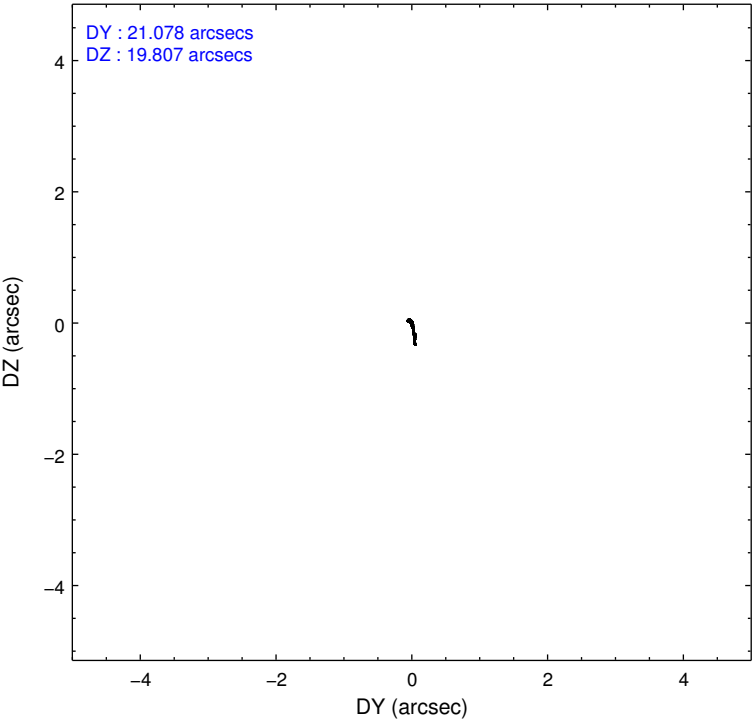
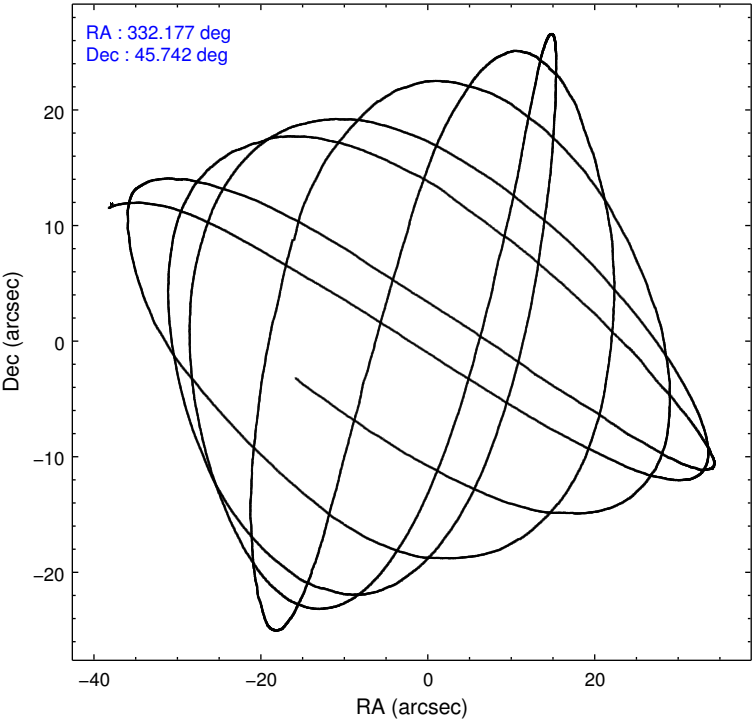
	segment 0
level 1 events	463154
rejected events	22464
rejected %	4%

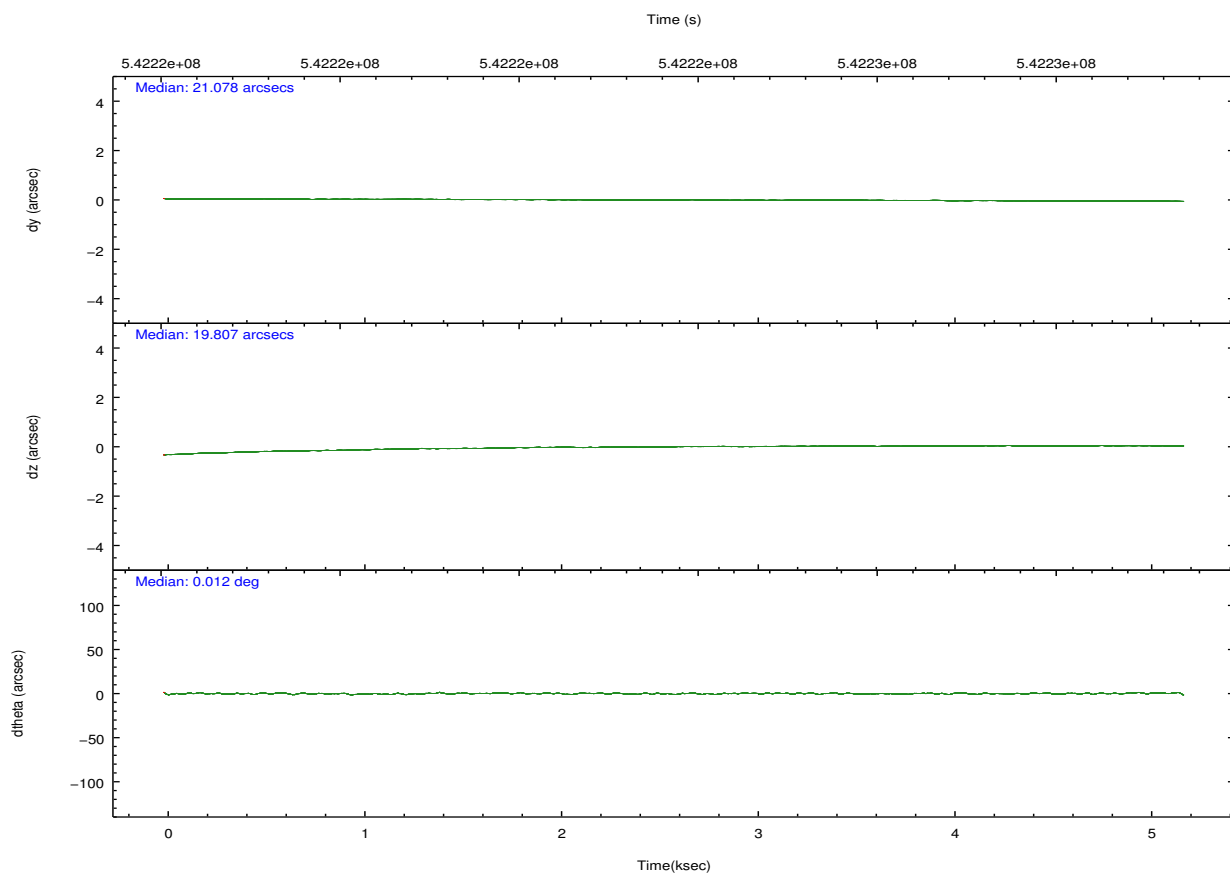
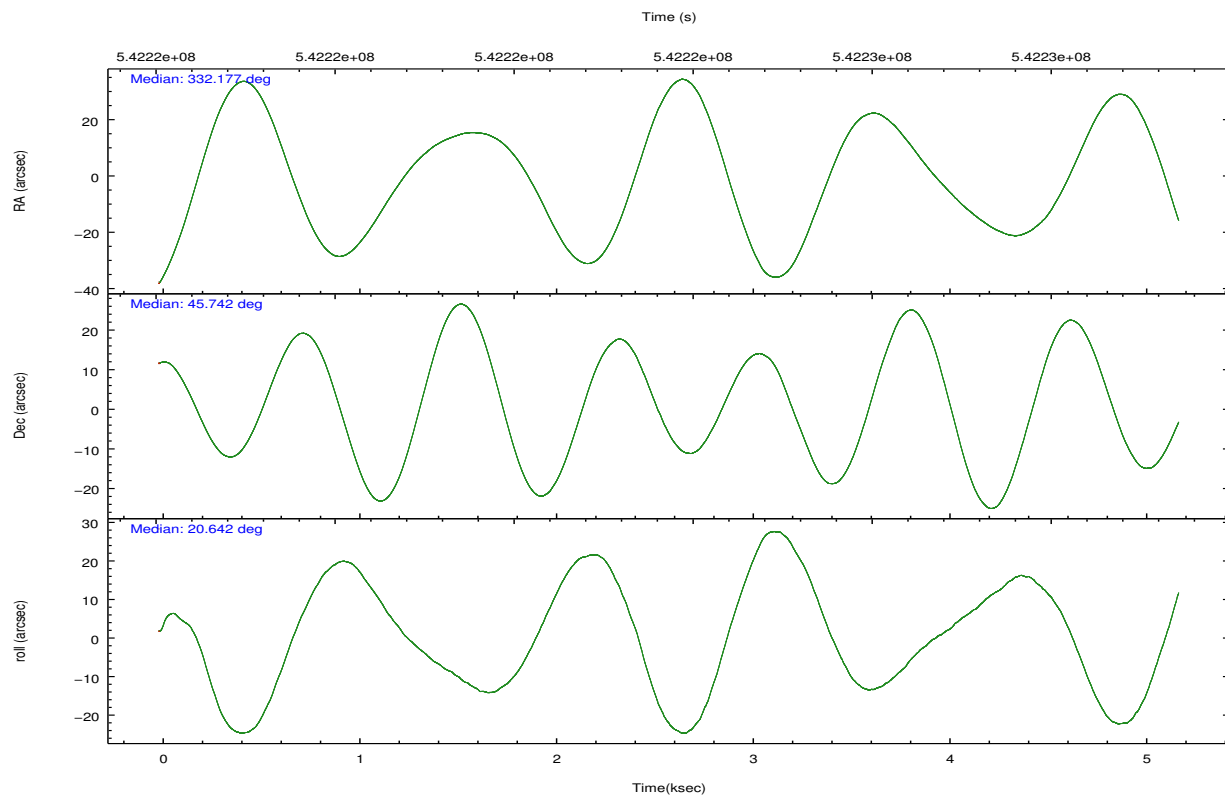
2.2 Compared Parameters

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	332.152048	332.176541572114
[deg] Pointing Dec	45.720808	45.74227470189559
[deg] Pointing Roll	20.756505	20.64344488259812
[s] Window start time (MET)	539136067.184000	539136067.184000
[s] Window stop time (MET)	546739267.184000	546739267.184000
[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)	542222436.184000	542221860.349
Observation start date	2015-03-08T17:19:29	2015-03-08T17:11:00
[s] Observation end time (MET)	542227436.184000	542228395.23686
Observation end date	2015-03-08T18:42:49	2015-03-08T18:59:55

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

2.3 Aspect



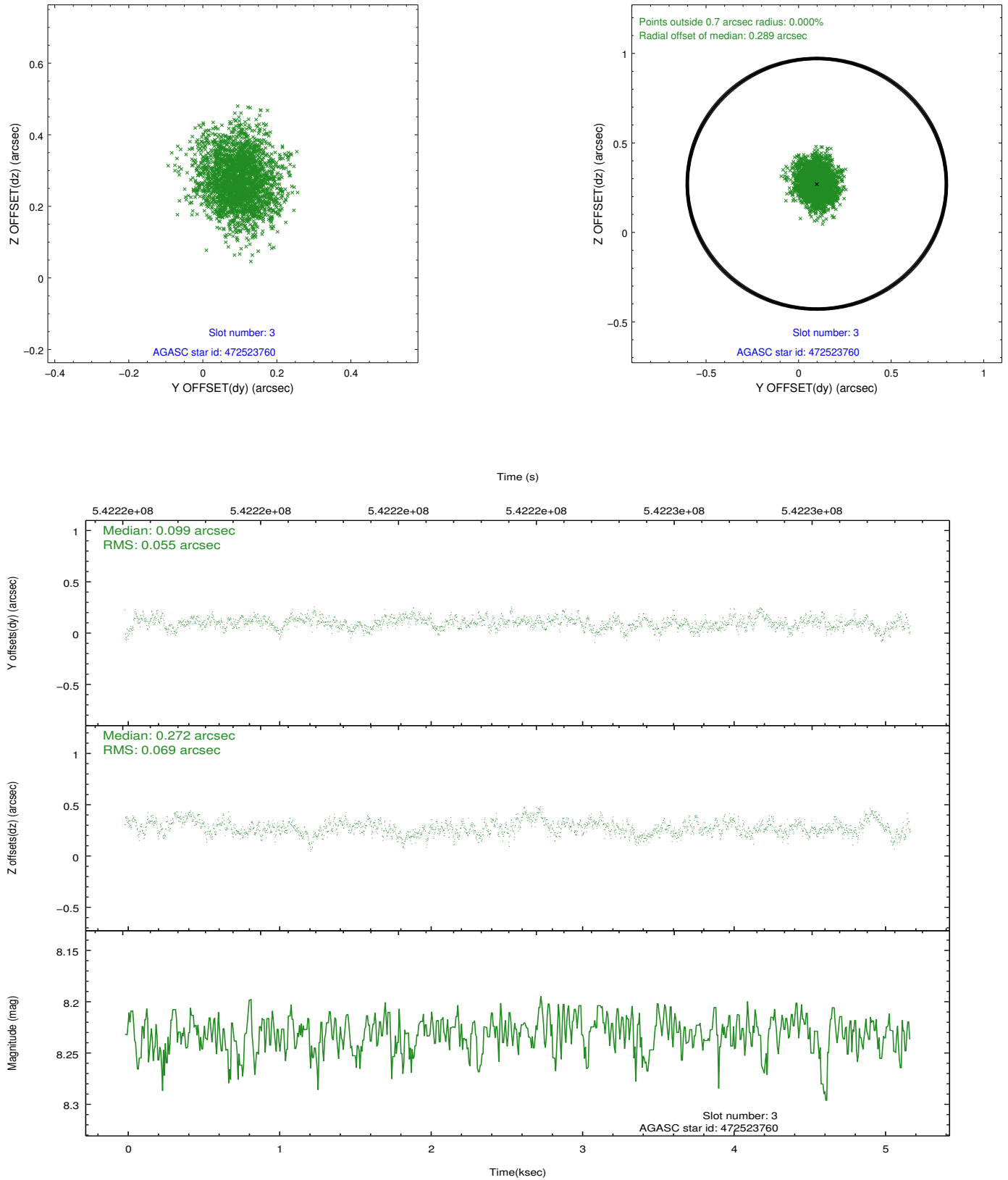


Slot Statistics

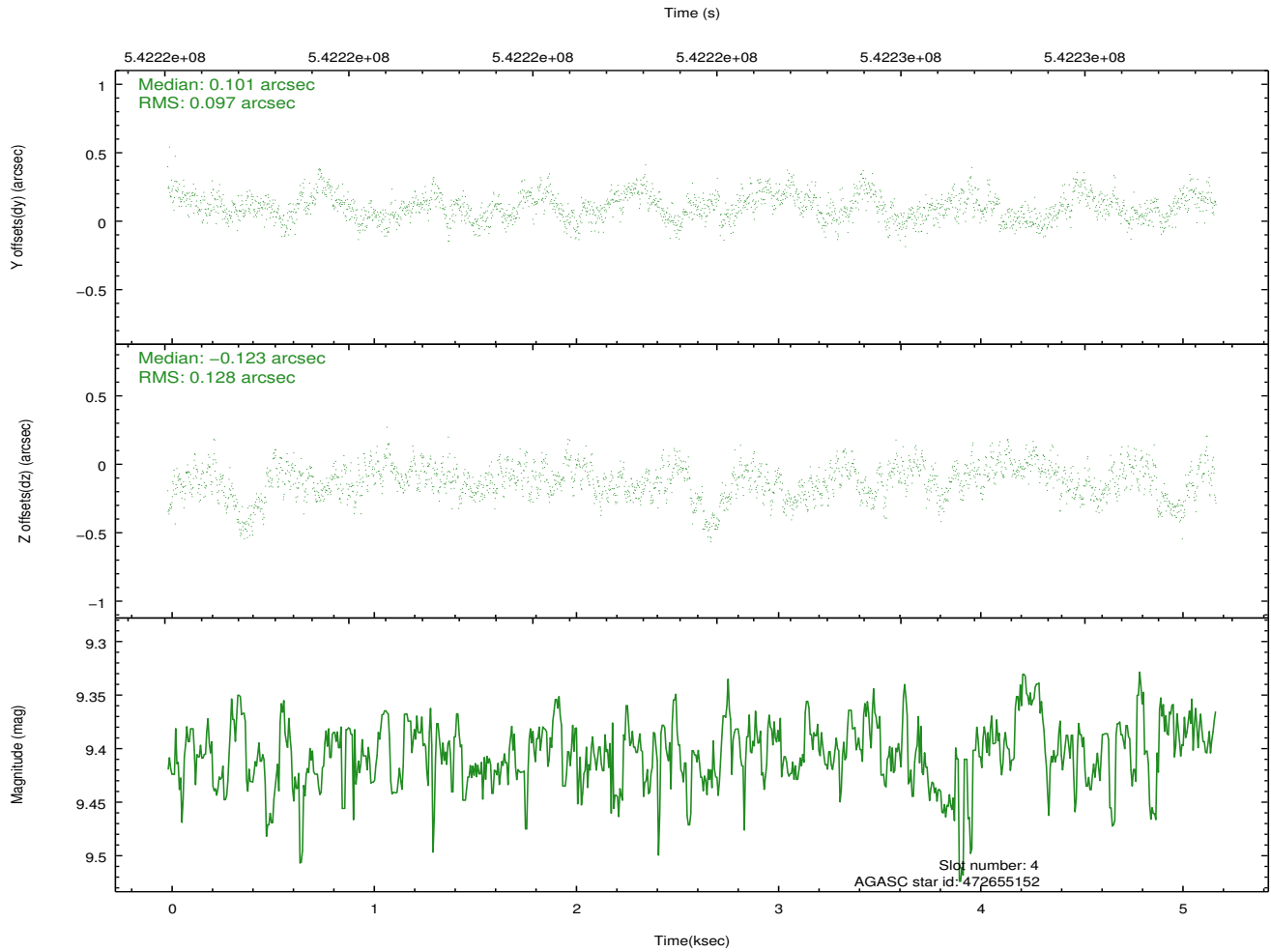
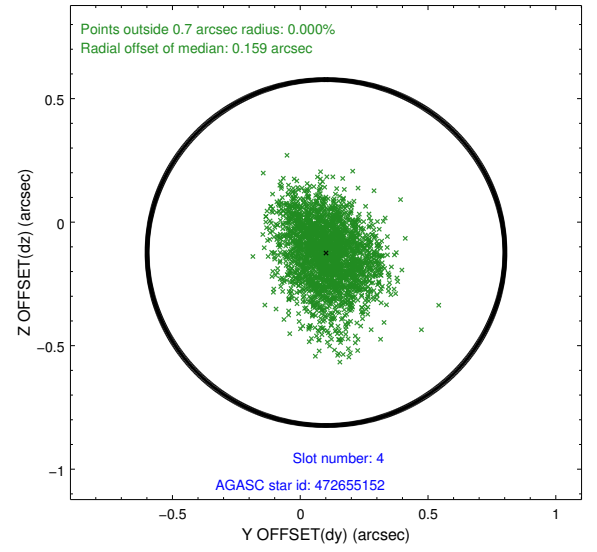
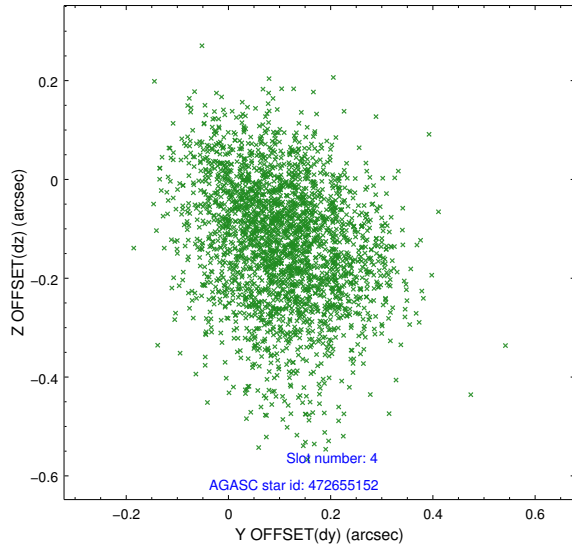
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	1265	-0.100	-0.054	0.007	0.011	0.000000	0.000000	-777.22	-1307.99
1	FID		HRC-I-3	7.07	1265	-0.153	-0.137	0.007	0.011	0.000000	0.000000	-1206.24	995.48
2	FID		HRC-I-4	7.00	1265	0.367	0.101	0.006	0.009	0.000000	0.000000	1265.22	995.00
3	GUIDE	used	472523760	8.23	2530	0.099	0.272	0.095	0.151	331.645363	45.403260	-1601.93	-610.58
4	GUIDE	used	472655152	9.40	2529	0.101	-0.123	0.170	0.278	332.504239	45.862991	1006.64	167.57
5	GUIDE	used	472663080	9.37	2528	-0.307	-0.159	0.143	0.245	332.652741	46.473840	2122.46	2099.23
6	GUIDE	used	472665256	8.98	2528	-0.362	-0.152	0.101	0.170	332.808125	46.195041	2136.10	1024.61
7	GUIDE	used	472525528	6.63	2529	0.465	0.156	0.116	0.193	331.551102	45.248694	-2023.84	-1043.15

2.4 Star Slots

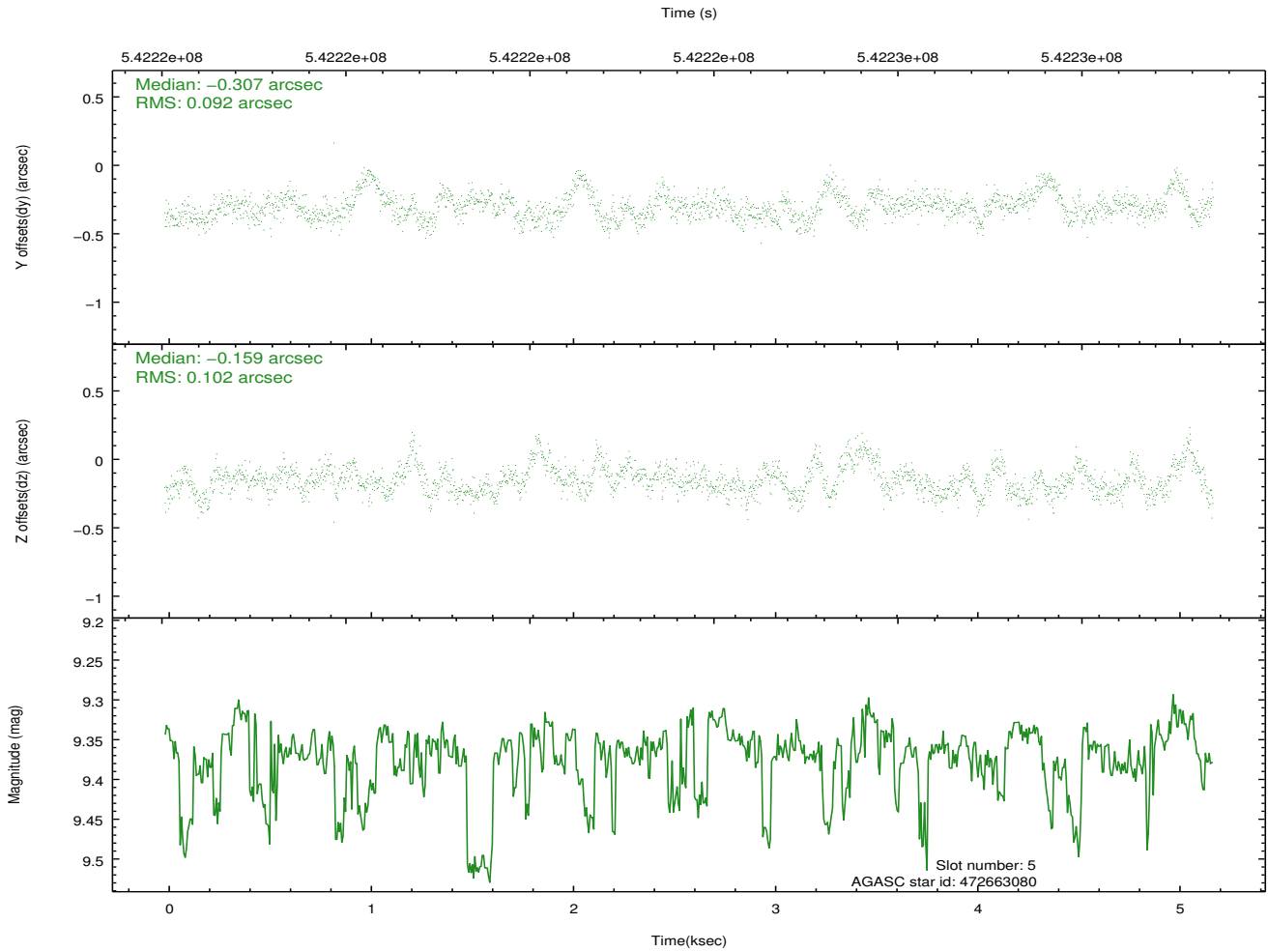
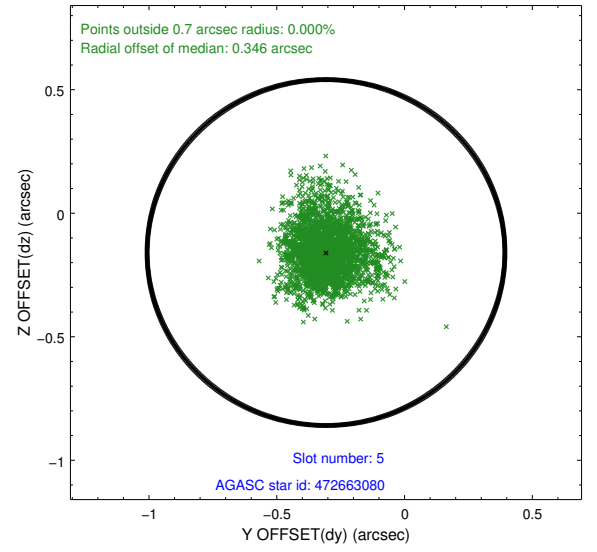
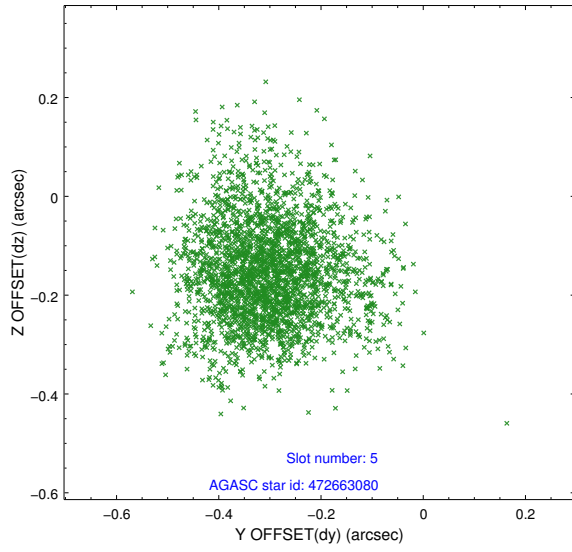
2.4.1 Slot 3



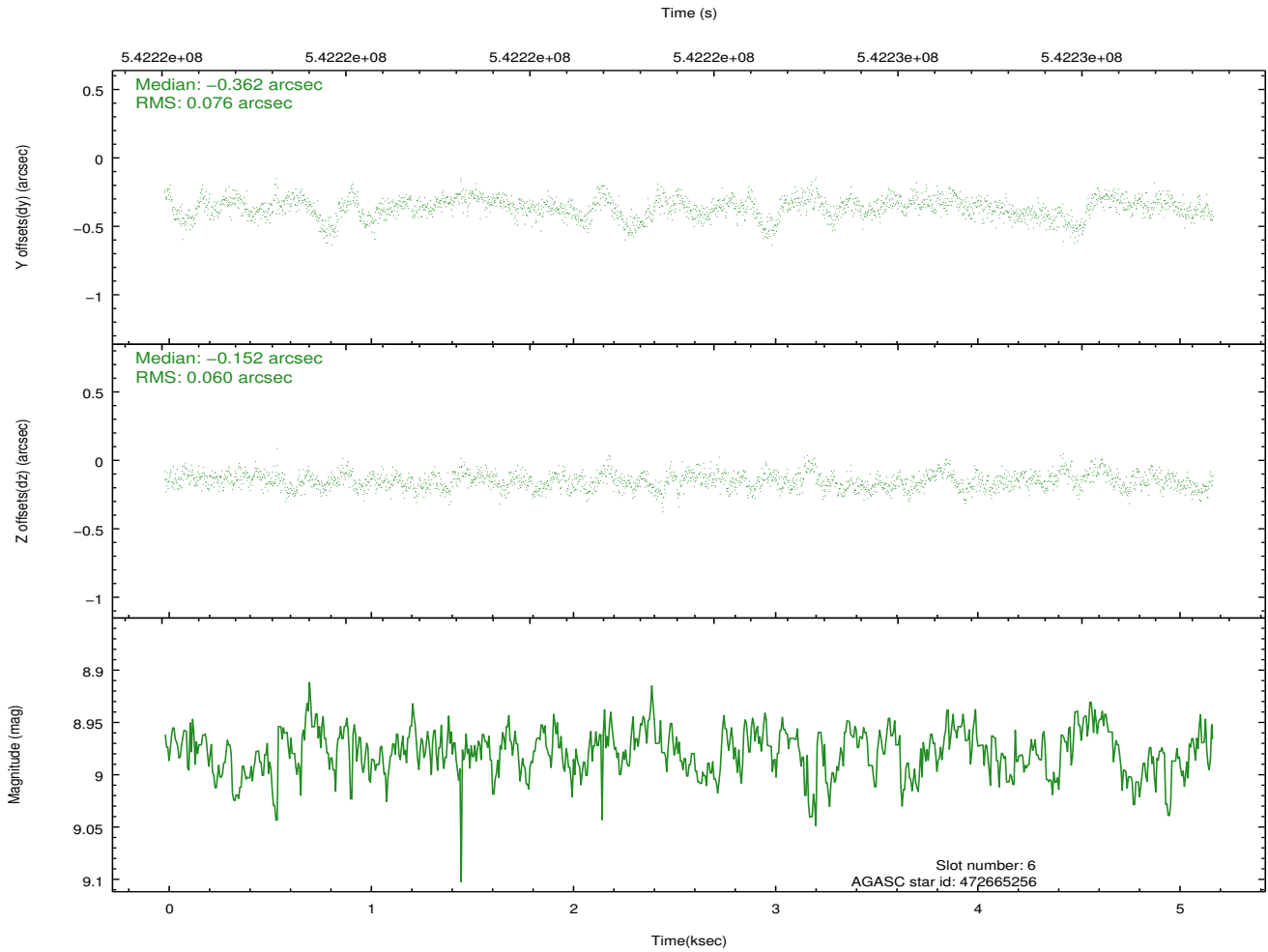
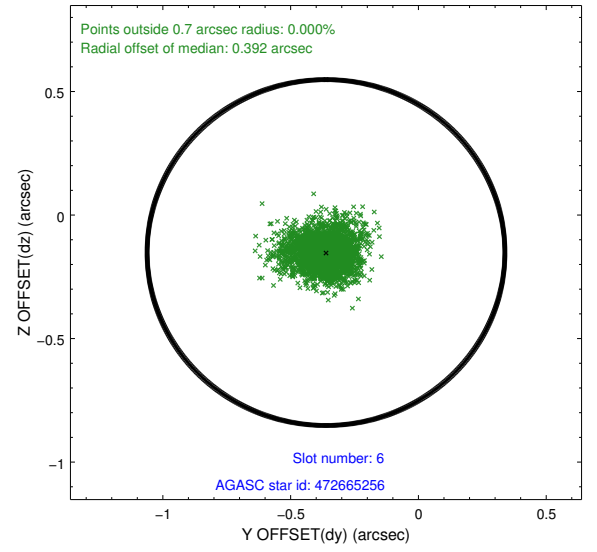
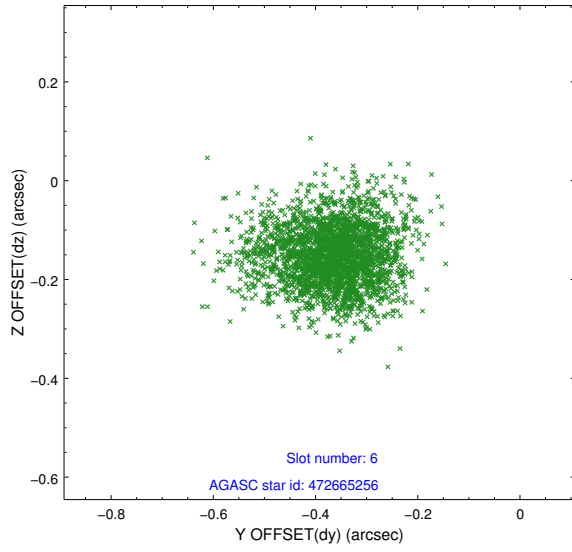
2.4.2 Slot 4



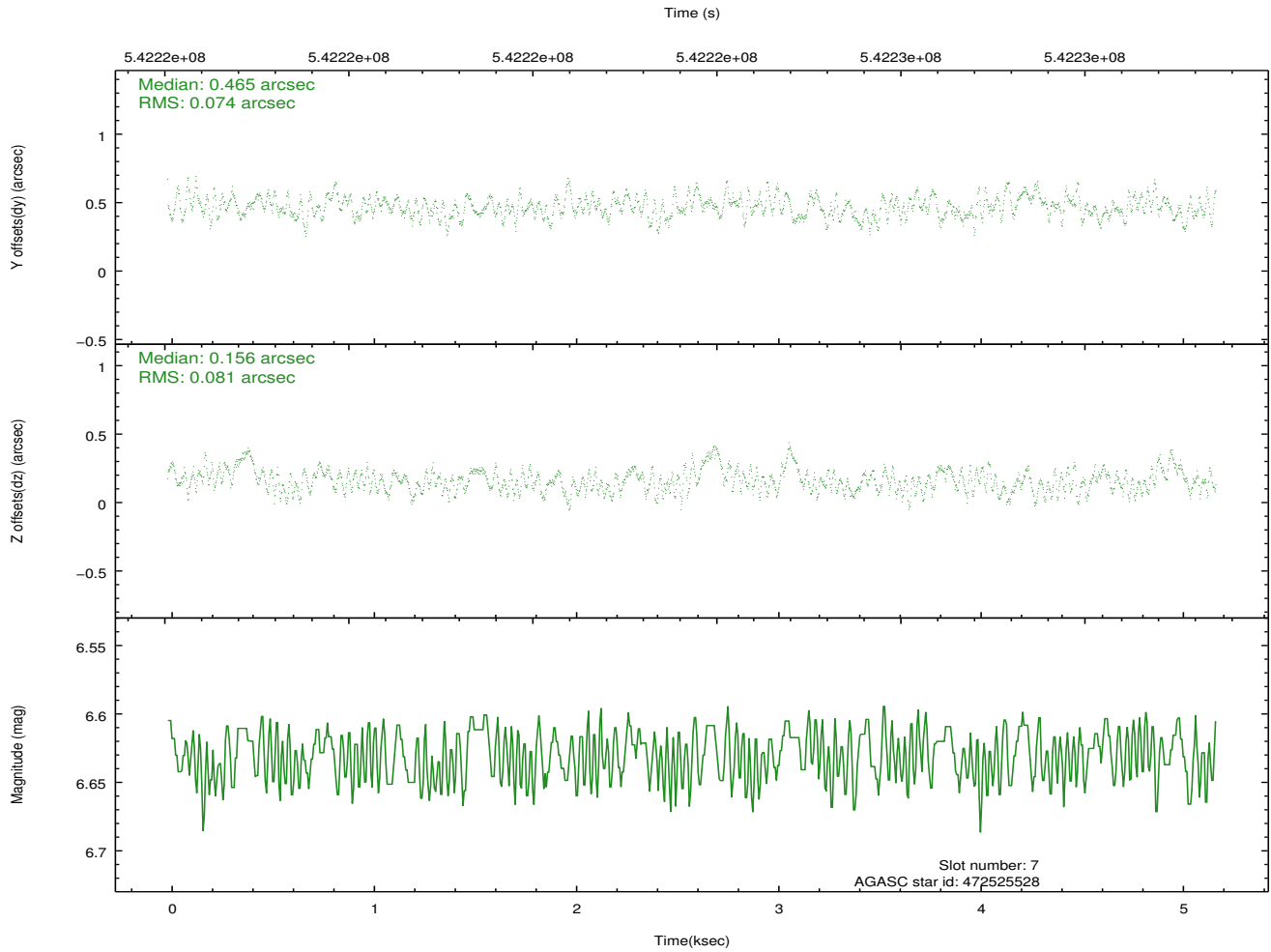
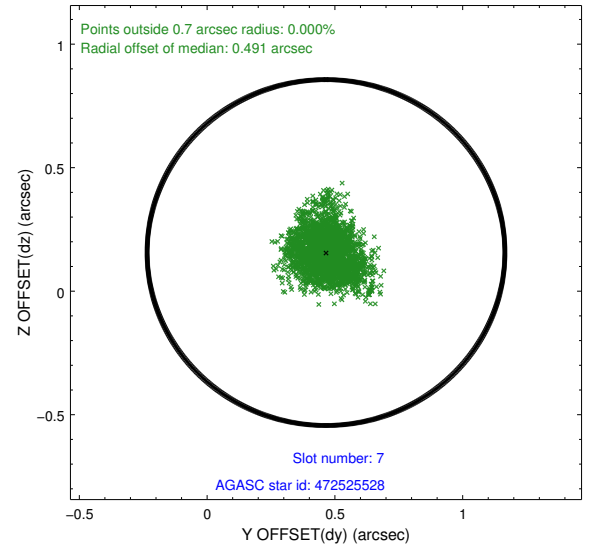
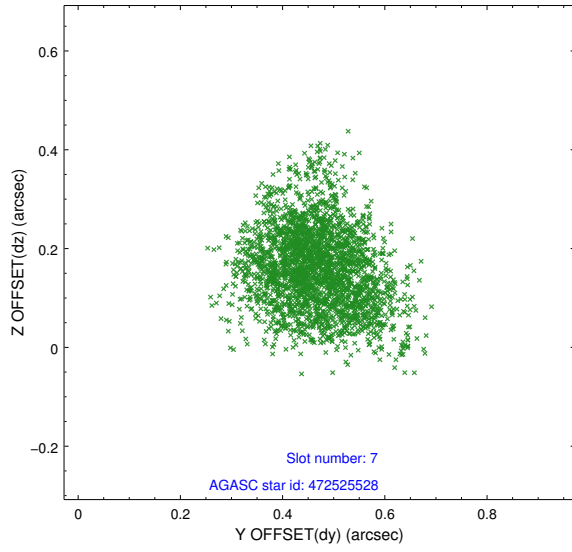
2.4.3 Slot 5



2.4.4 Slot 6

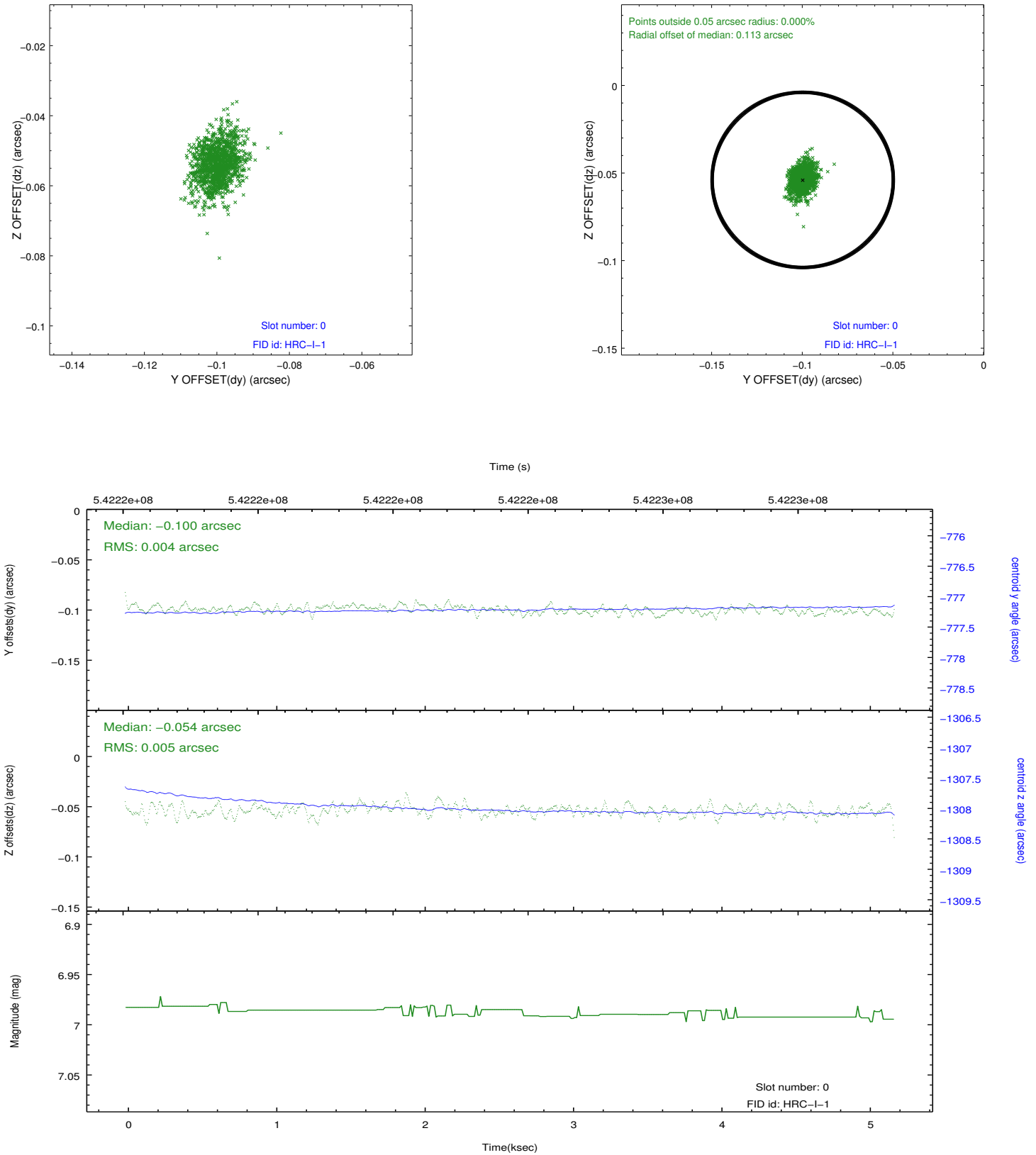


2.4.5 Slot 7

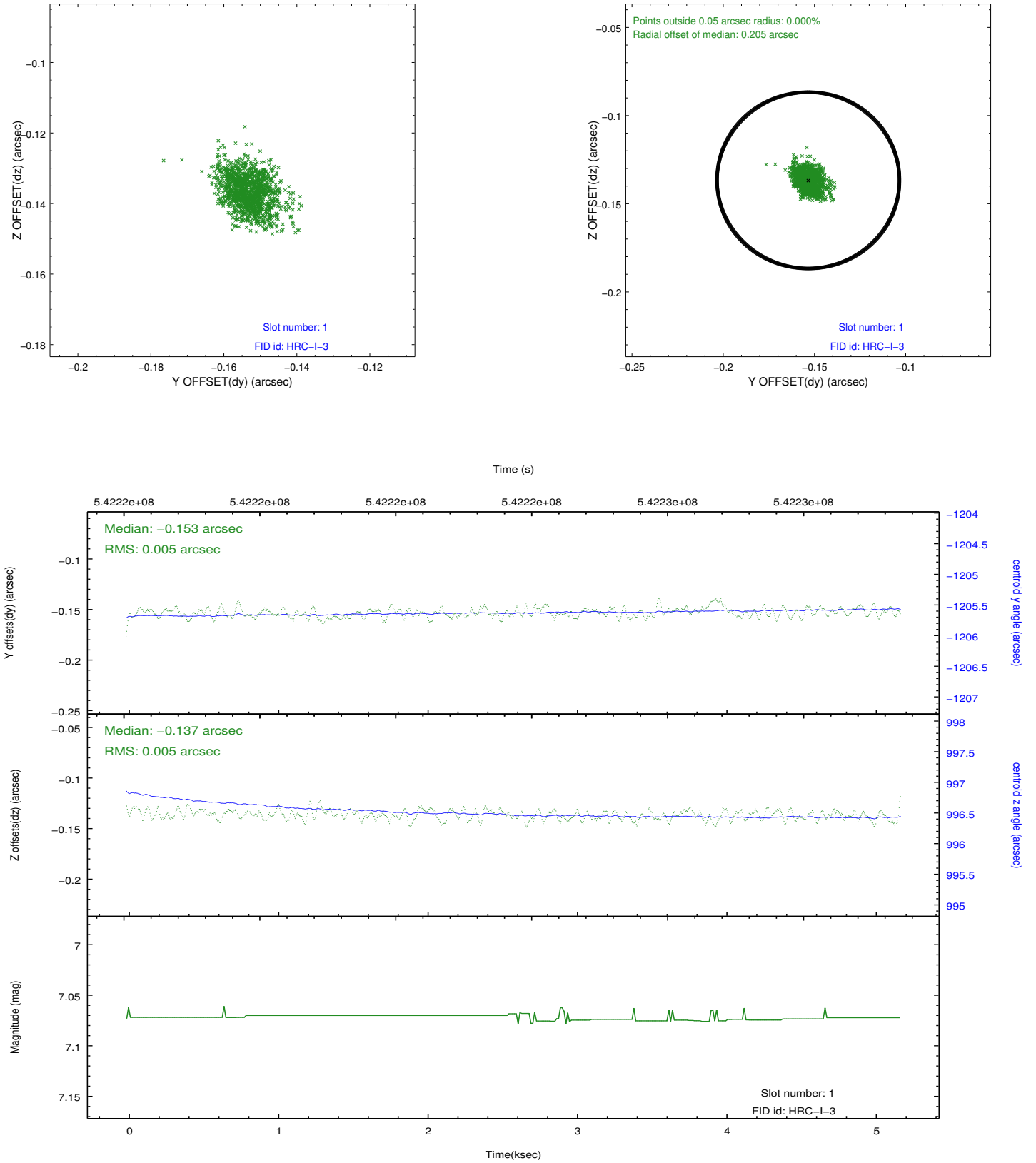


2.5 FID Slots

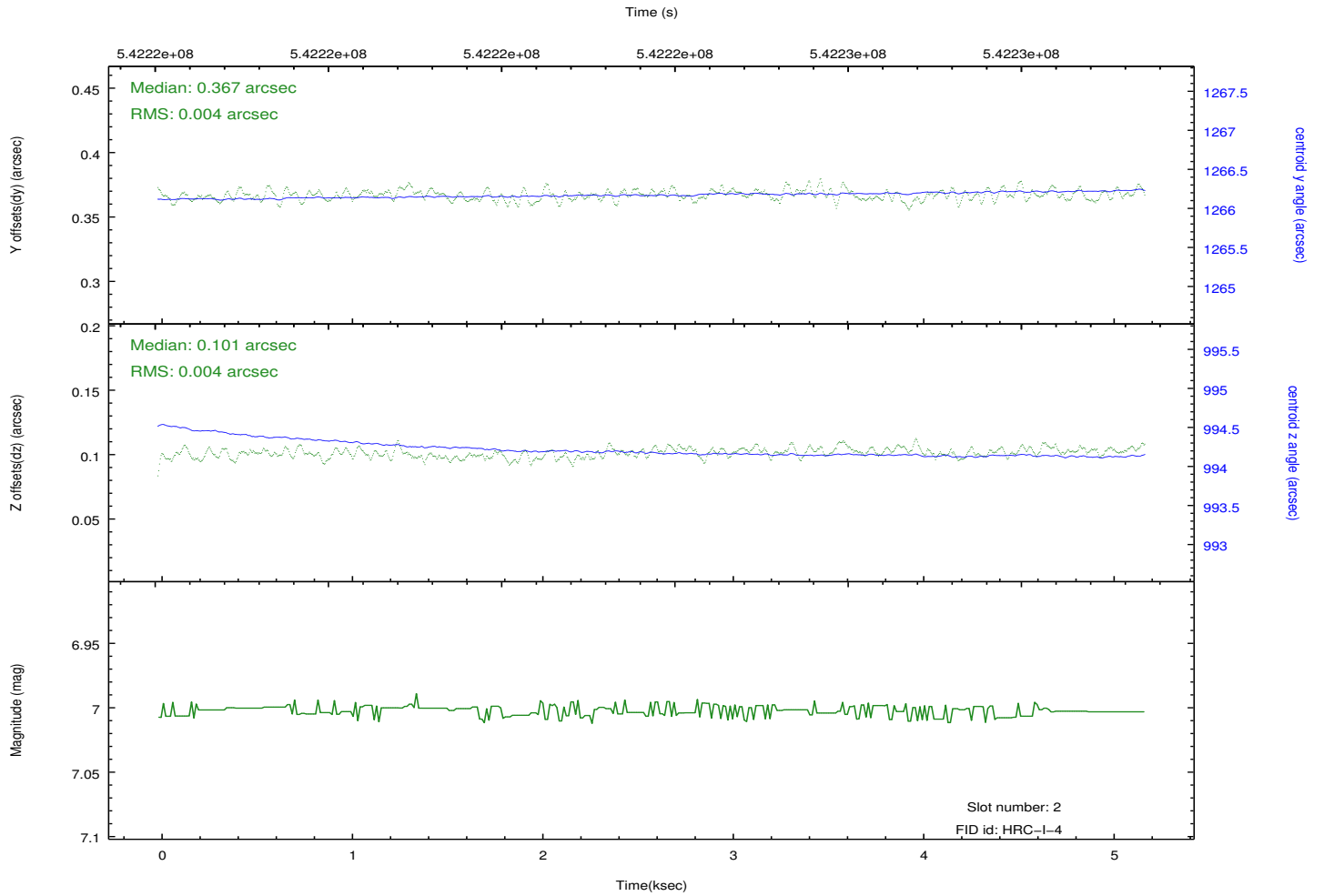
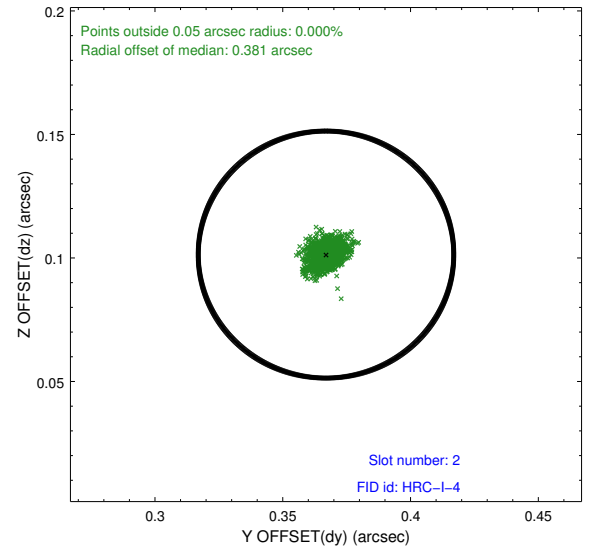
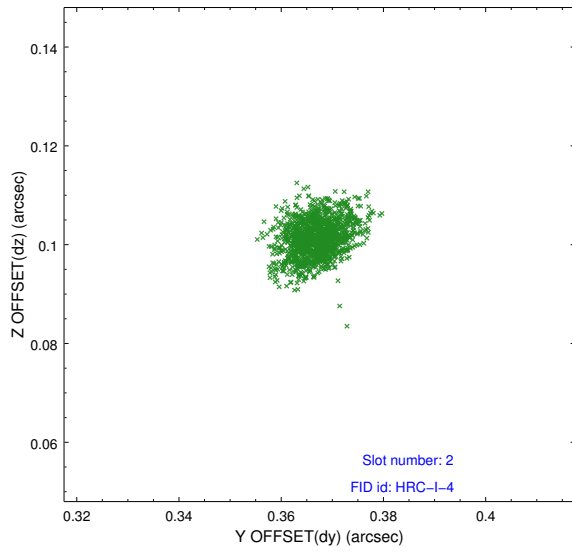
2.5.1 Slot 0



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)	2015.03.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1836815402508

A.2 Comments

Window constraint met.