

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12114 - L2 Version 2
Chandra X-Ray Center

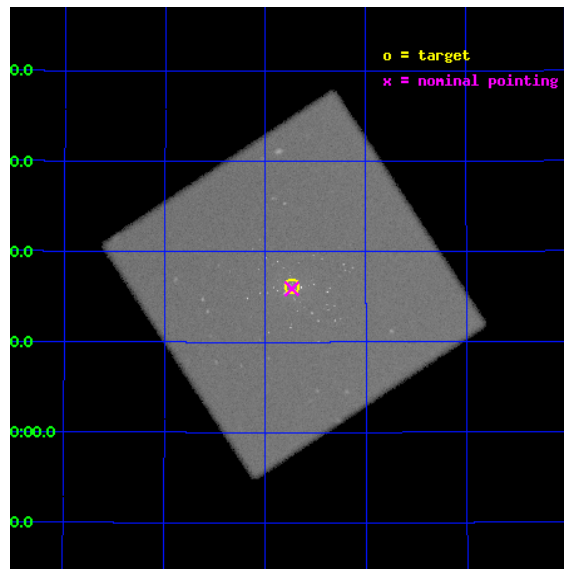
L2 Processing Date : Jul 8 2012

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

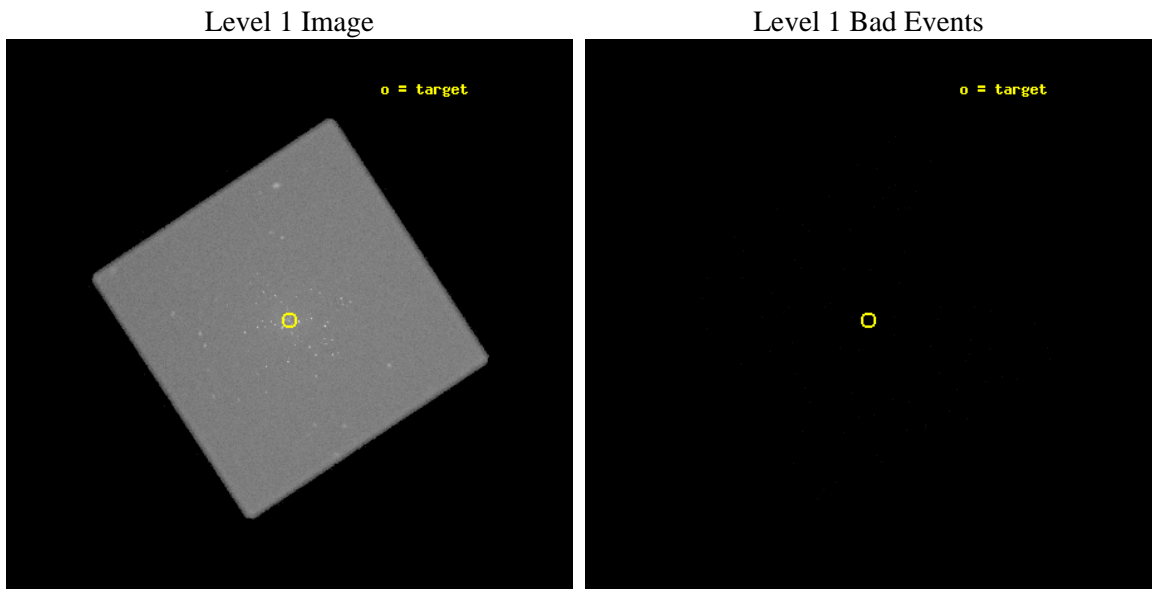
seq_num	300282	Sequence number
obs_id	12114	Observation id
title	Resolving short supersoft source states of optical novae in the core of M31	Proposal title
observer	Dr. Wolfgang Pietsch	Principal investigator
object	M31	Source name
ra_targ	10.684583	Observer's specified target RA [deg]
dec_targ	41.269278	Observer's specified target Dec [deg]
ra_nom	10.683665795341	Nominal RA [deg]
dec_nom	41.265197987305	Nominal Dec [deg]
roll_nom	281.67008753953	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20189.682291806	[s]
livetime	19977.632298074	Ontime multiplied by DTCOR
l2events	1463387	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	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20189.682291806	[s]
caldbver	4.5.0	 	l1events	2113371	Number of level 1 events
date	2012-07-08T19:32:23	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

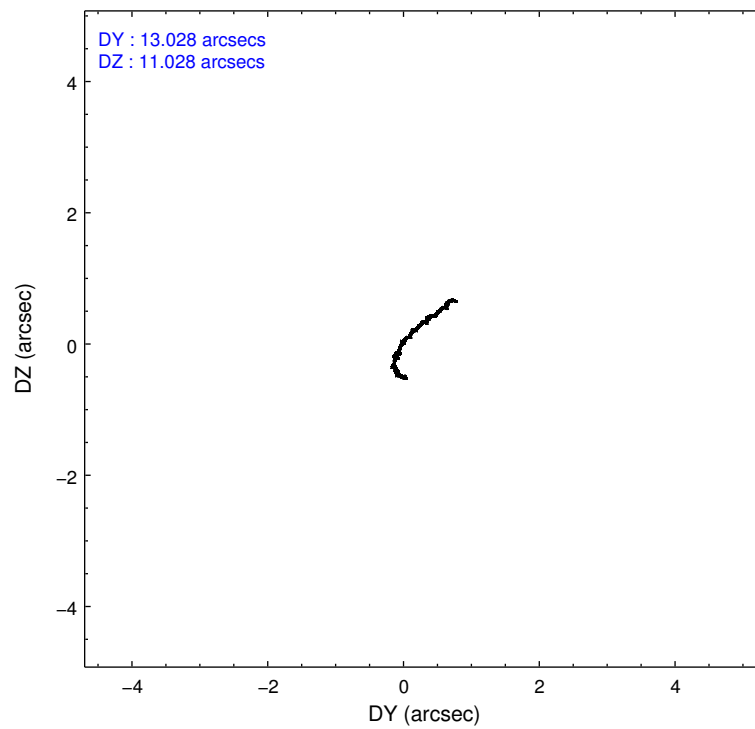
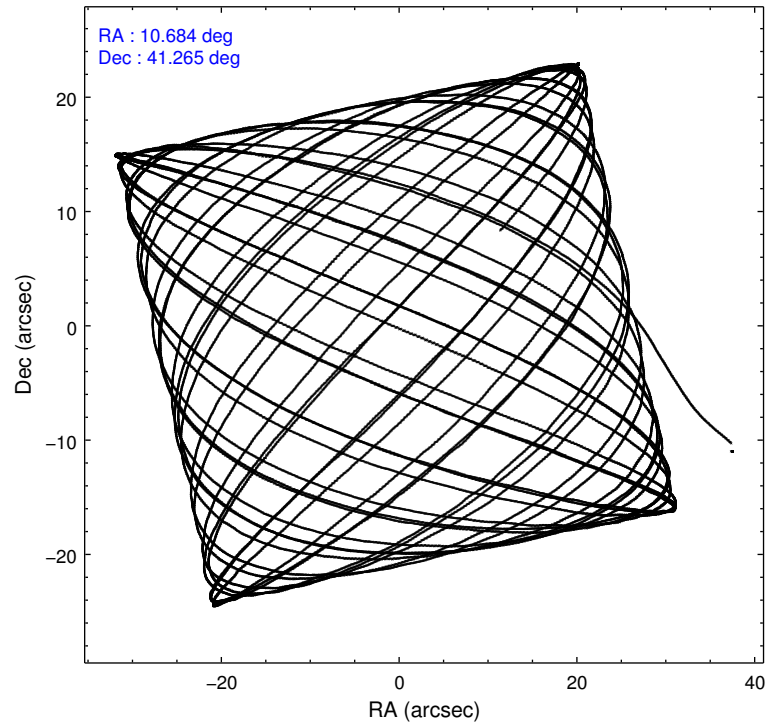
Level 1 Events

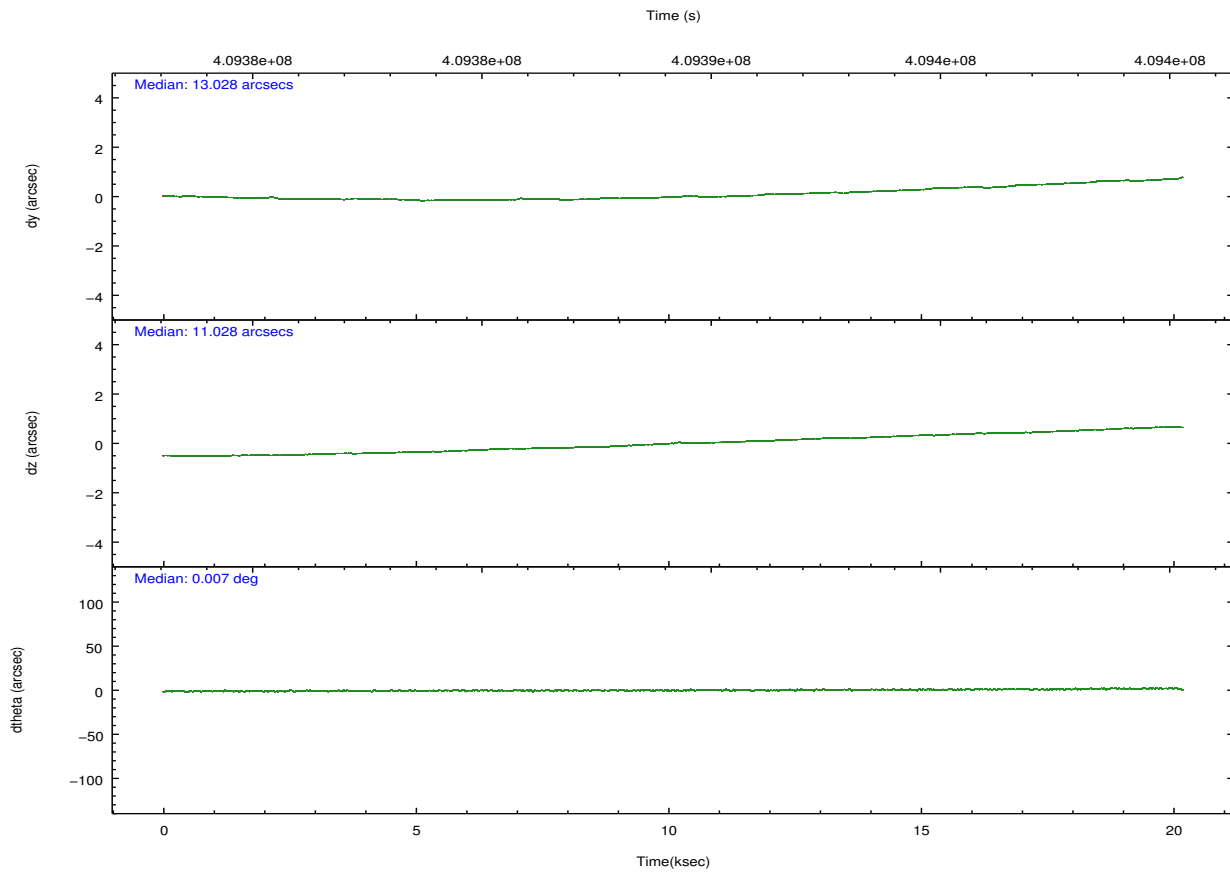
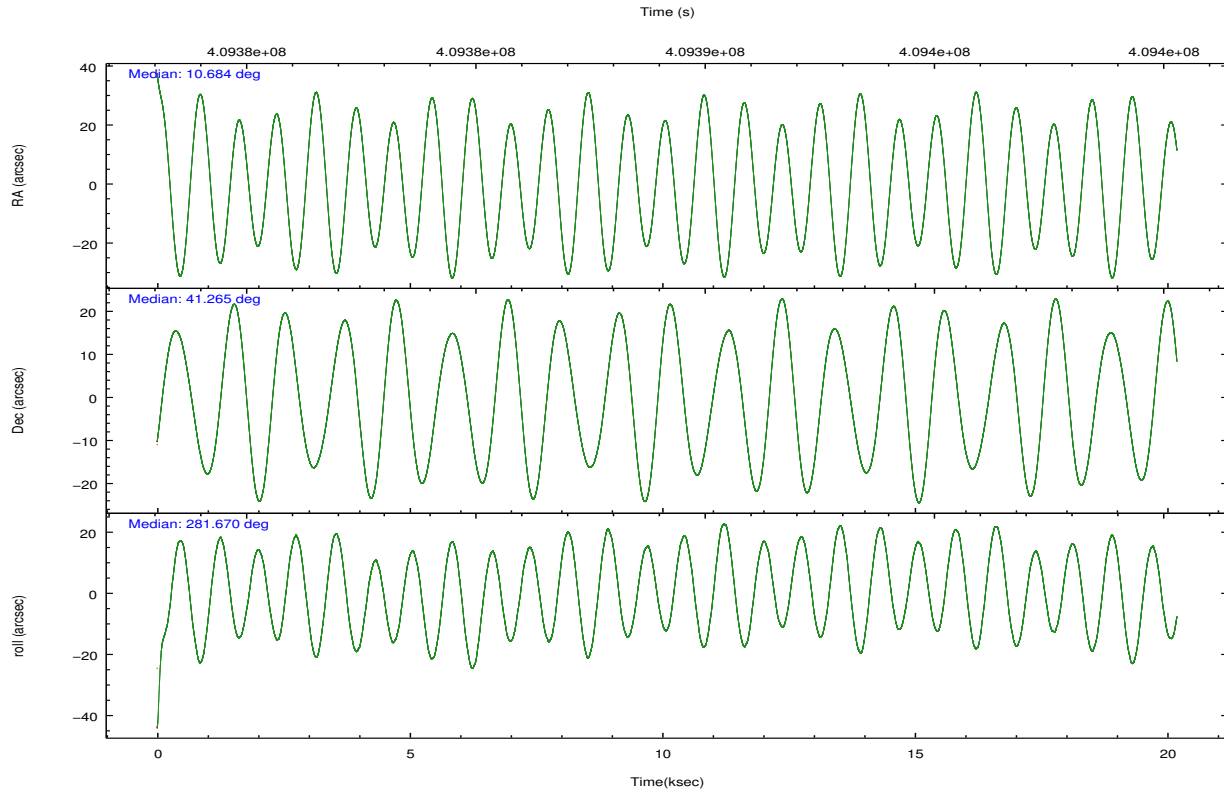
	segment 0
level 1 events	2113371
rejected events	66613
rejected %	3%

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	10.658926	10.68366579534132			
[deg] Pointing Dec	41.285006	41.26519798730536			
[deg] Pointing Roll	281.781913	281.6700875395327			
[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)	409379249.184000	409378392.86626			
Observation start date	2010-12-22T04:26:23	2010-12-22T04:13:12			
[s] Observation end time (MET)	409399249.184000	409399982.44237			
Observation end date	2010-12-22T09:59:43	2010-12-22T10:13:02			

2.3 Aspect



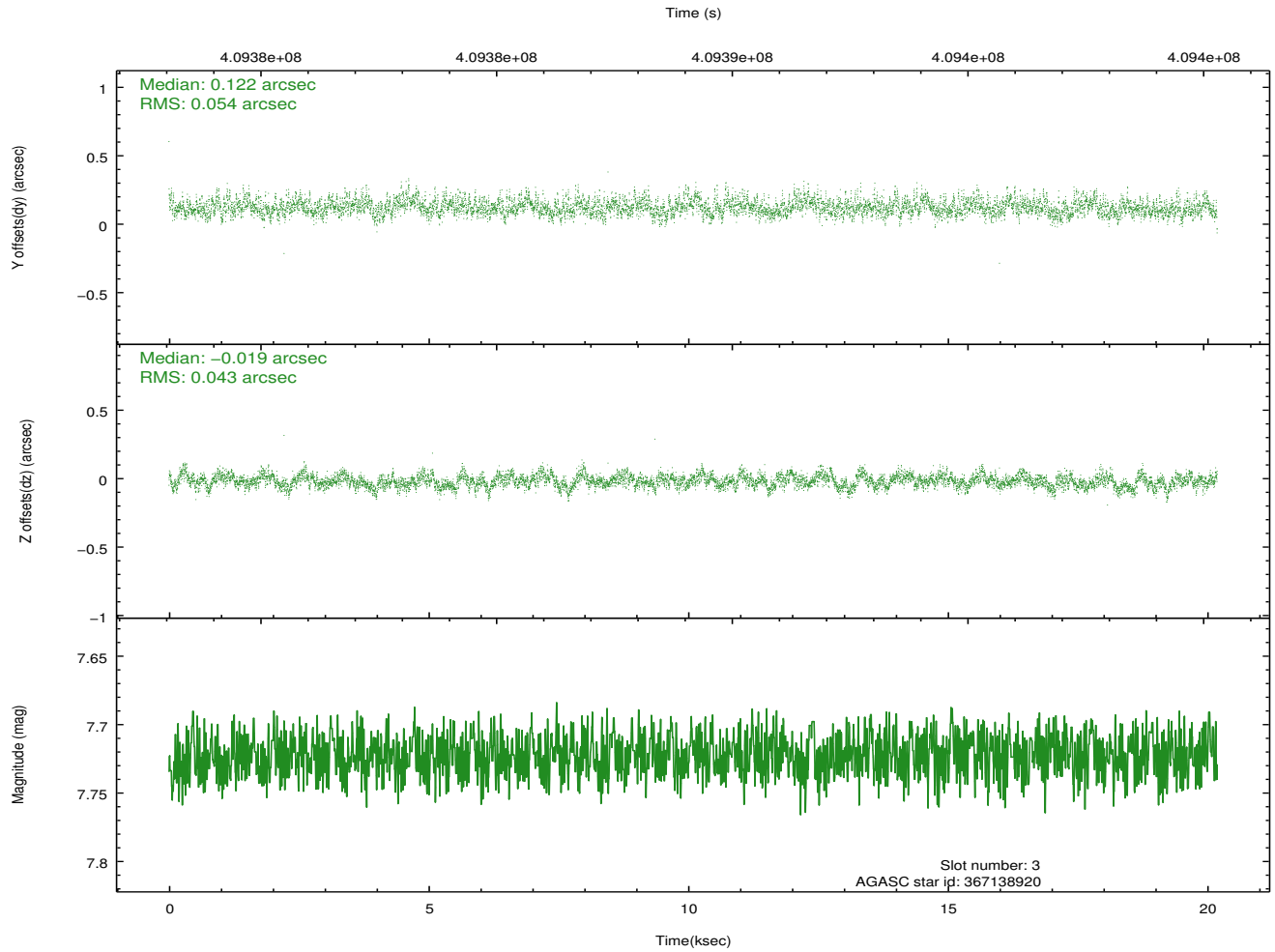
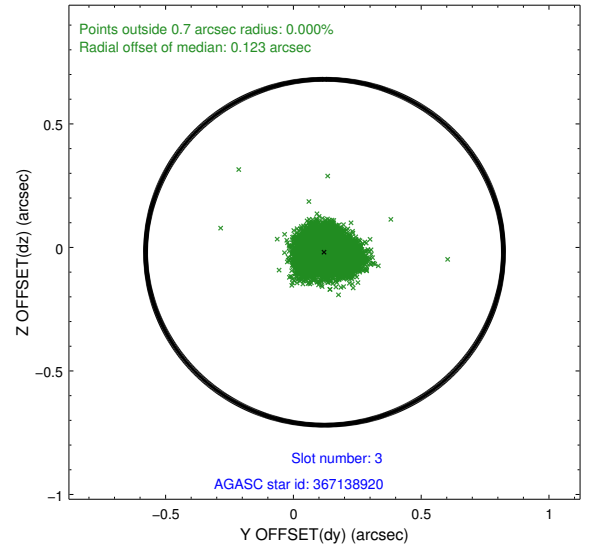
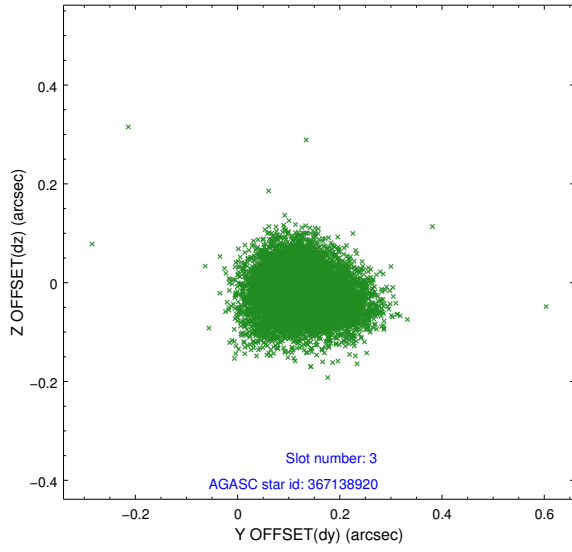


Slot Statistics

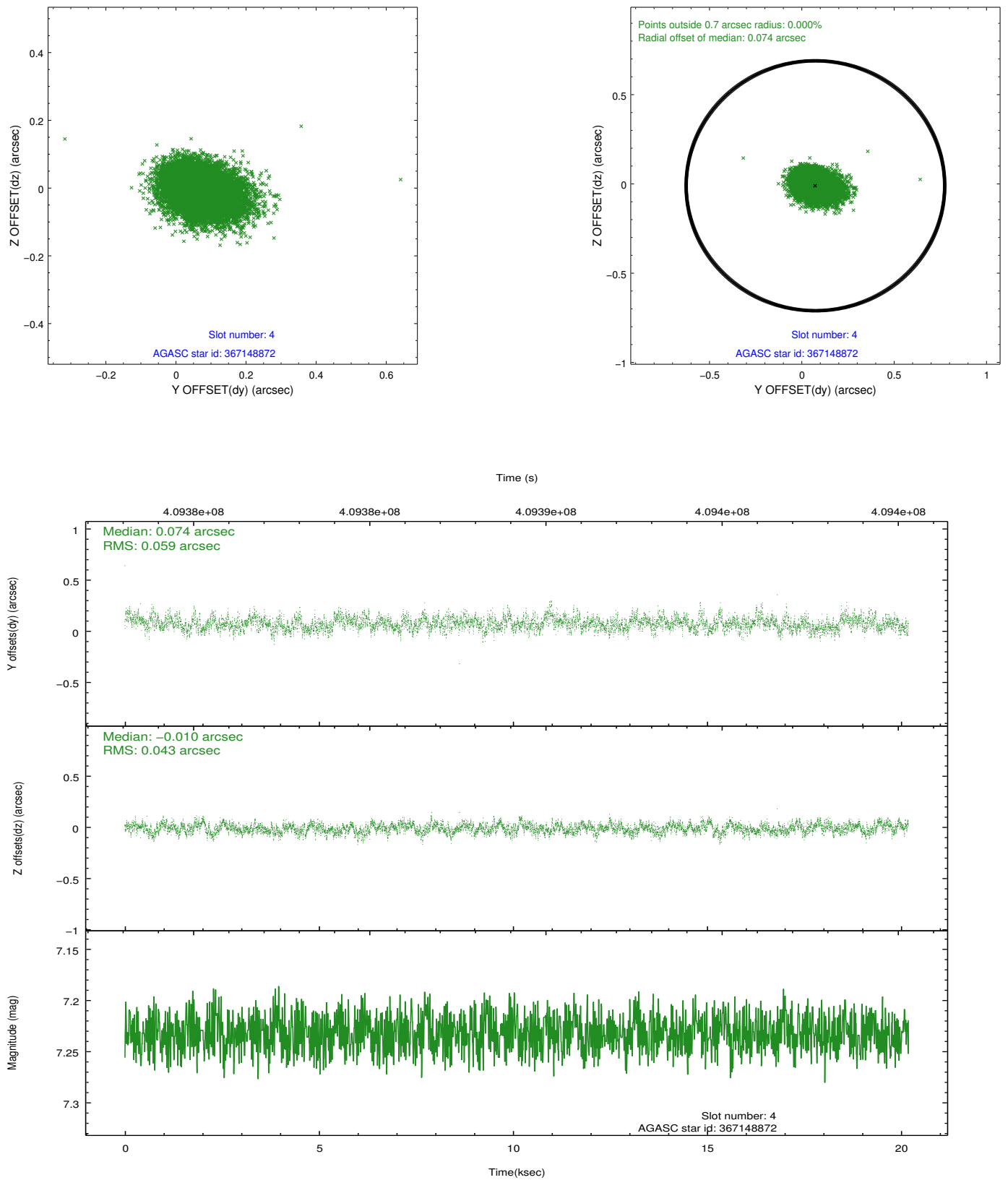
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	4925	-0.081	0.008	0.008	0.016	0.000000	0.000000	-768.95	-1299.01
1	FID	HRC-I-2	7.00	4924	0.221	-0.106	0.021	0.036	0.000000	0.000000	843.83	-1300.92
2	FID	HRC-I-3	7.04	4925	-0.021	0.011	0.021	0.031	0.000000	0.000000	-1197.25	1005.29
3	GUIDE	367138920	7.72	9847	0.122	-0.019	0.073	0.121	11.513485	40.808909	2143.56	1932.61
4	GUIDE	367148872	7.23	9849	0.074	-0.010	0.077	0.127	10.505940	40.688258	2018.81	-847.60
5	GUIDE	367657896	9.01	9844	-0.102	0.068	0.101	0.167	11.197765	41.313576	192.94	1448.12
6	GUIDE	367663272	9.28	9842	-0.117	-0.046	0.116	0.190	10.656279	41.699429	-1461.37	296.71
7	GUIDE	367674552	8.85	9844	0.019	0.006	0.084	0.136	11.016238	41.570845	-812.35	1152.64

2.4 Star Slots

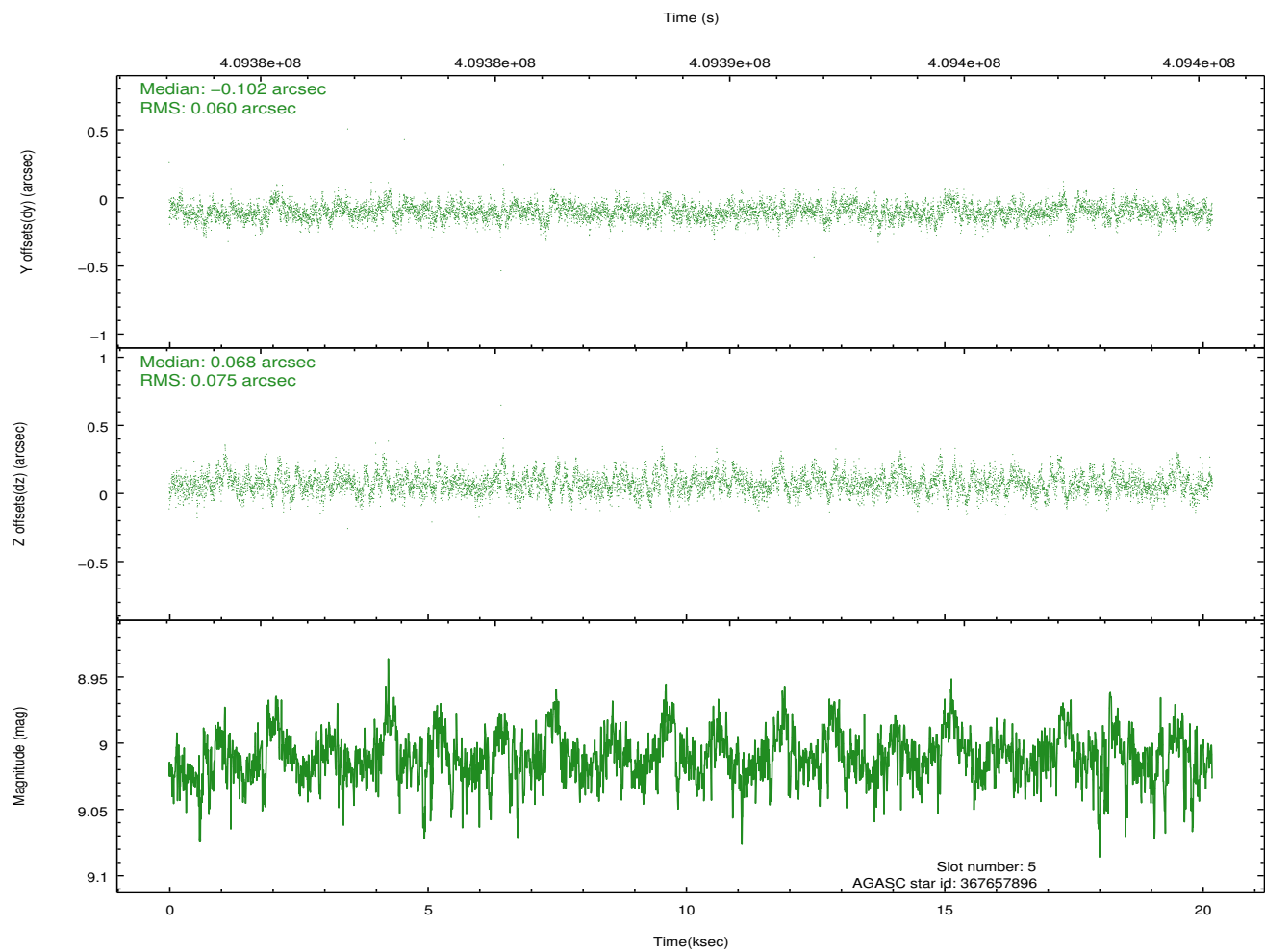
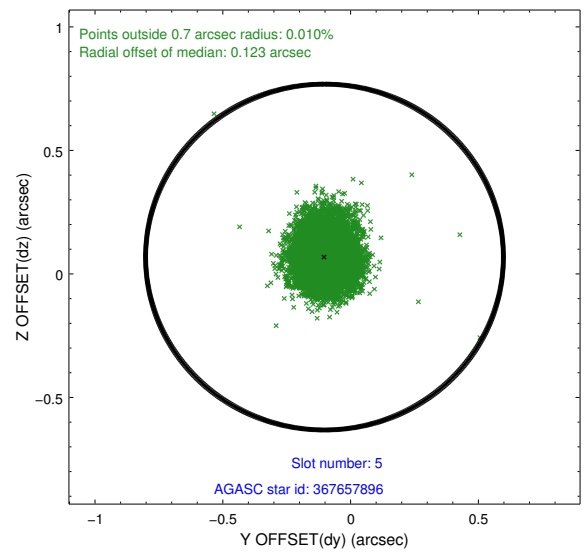
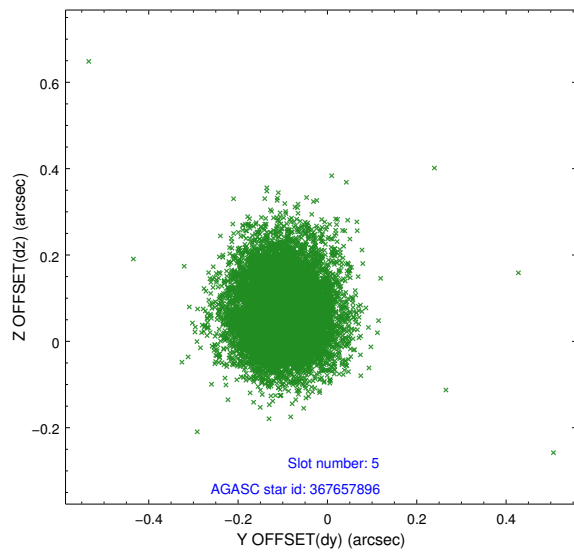
2.4.1 Slot 3



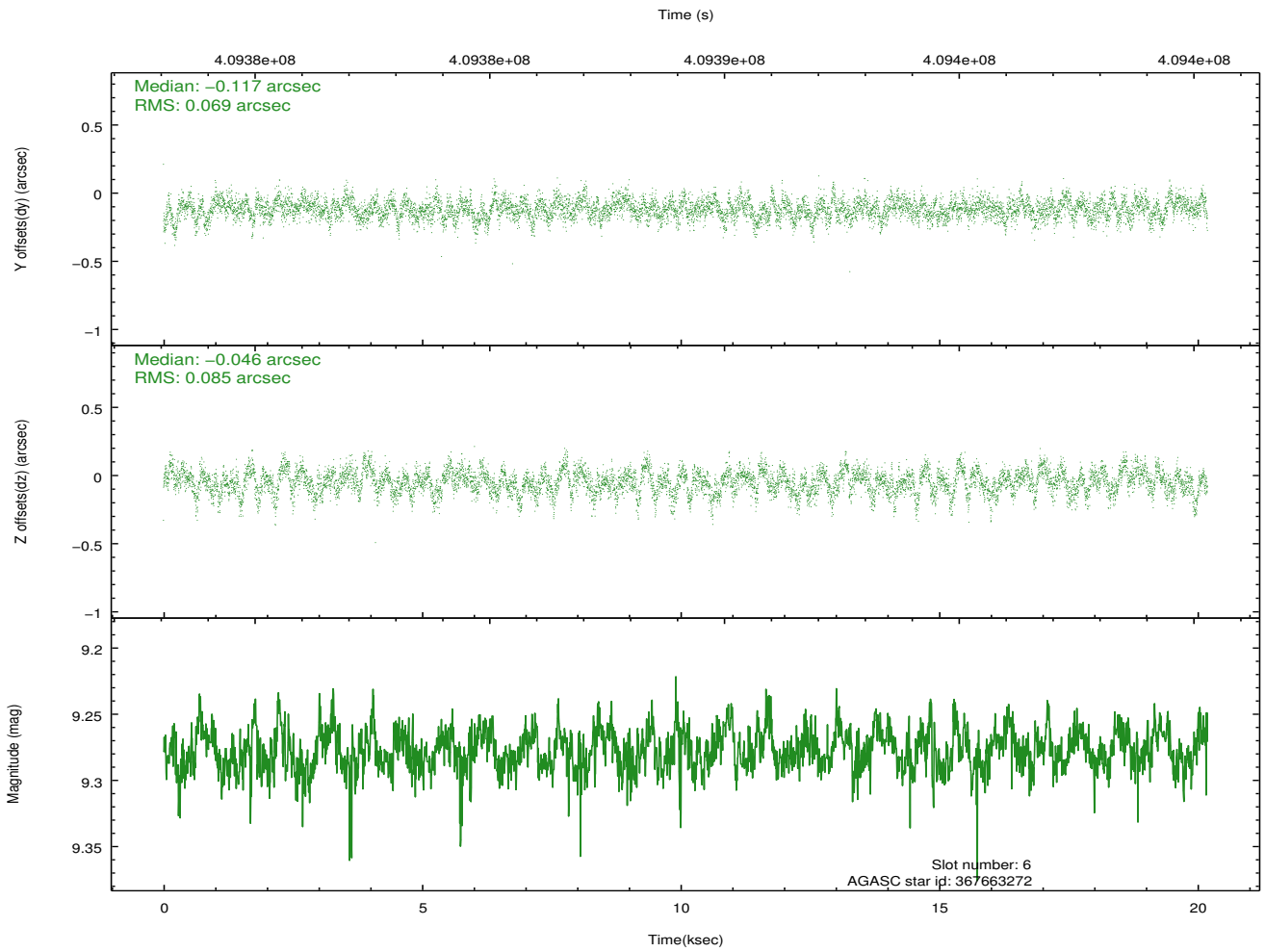
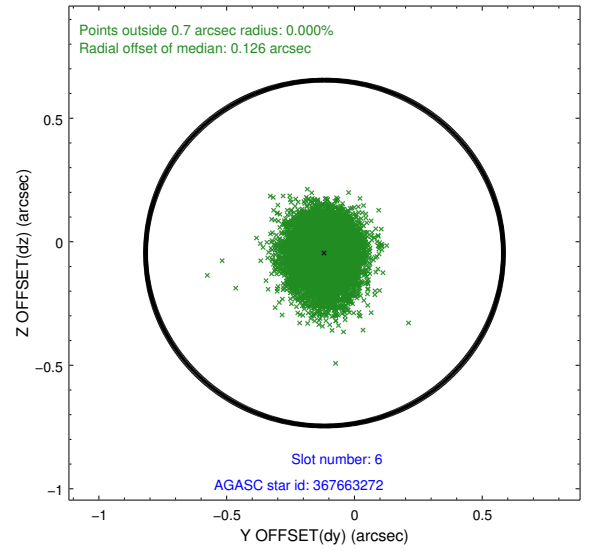
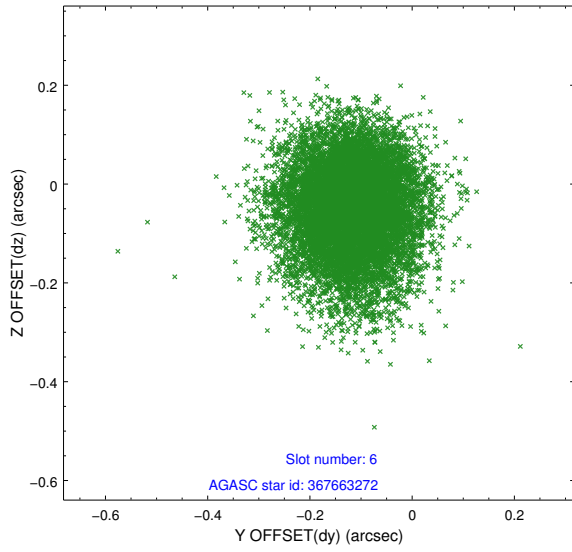
2.4.2 Slot 4



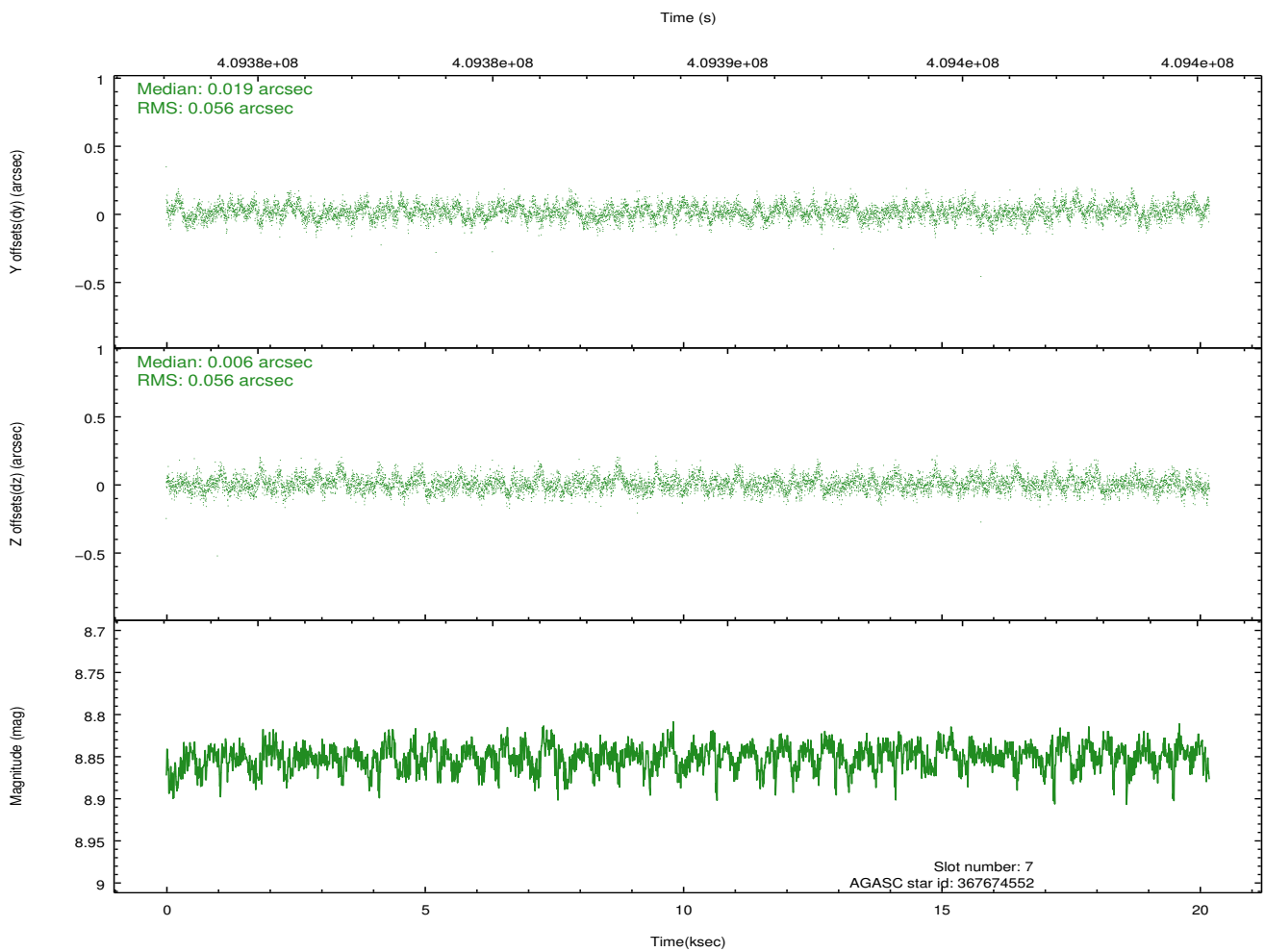
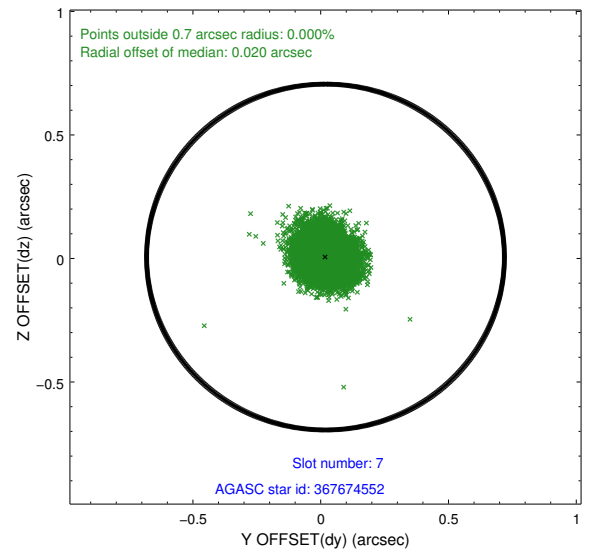
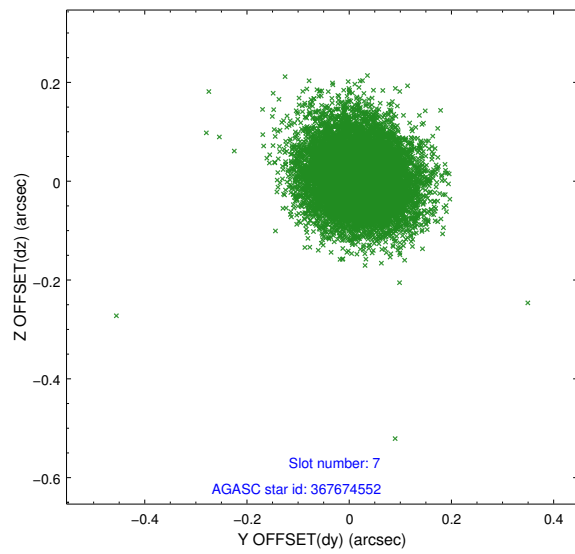
2.4.3 Slot 5



2.4.4 Slot 6

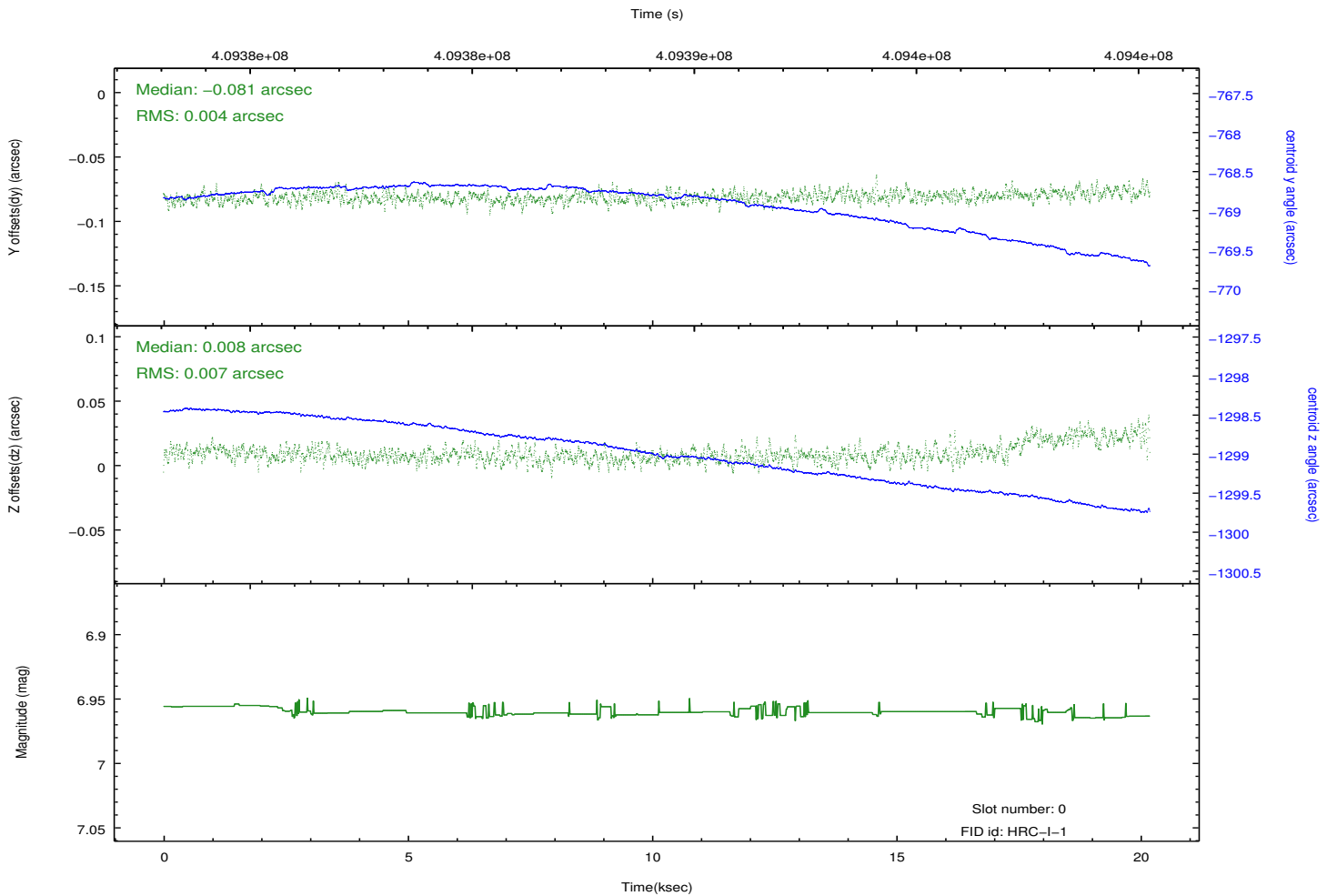
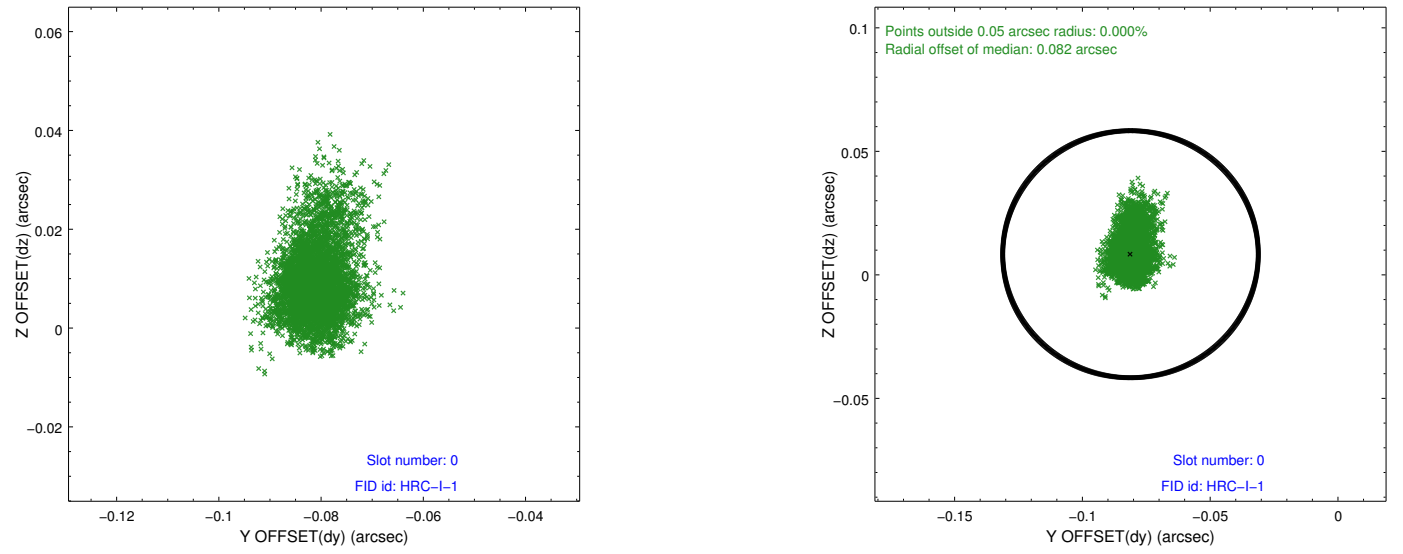


2.4.5 Slot 7

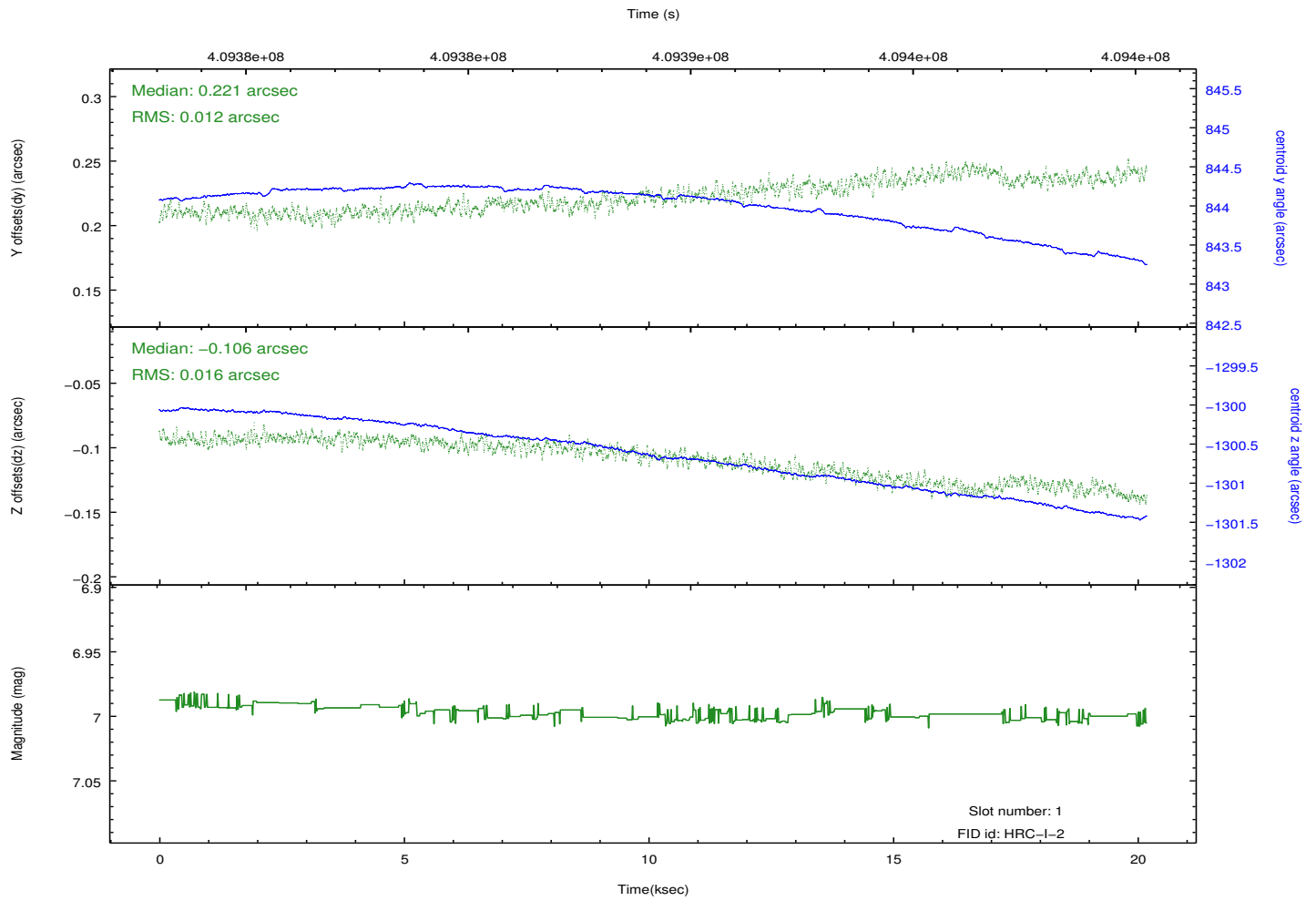
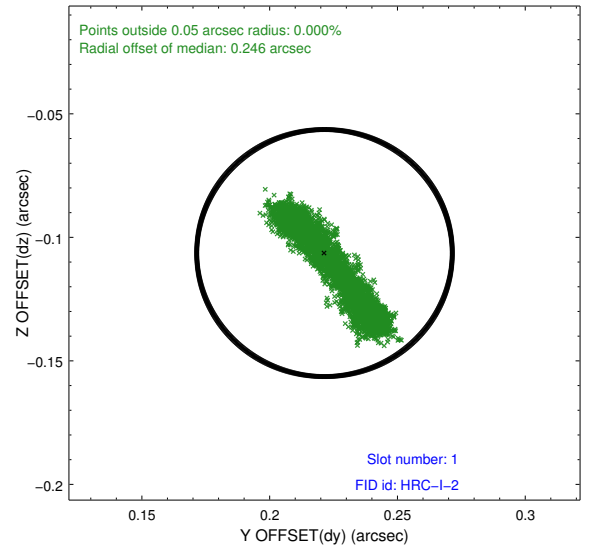
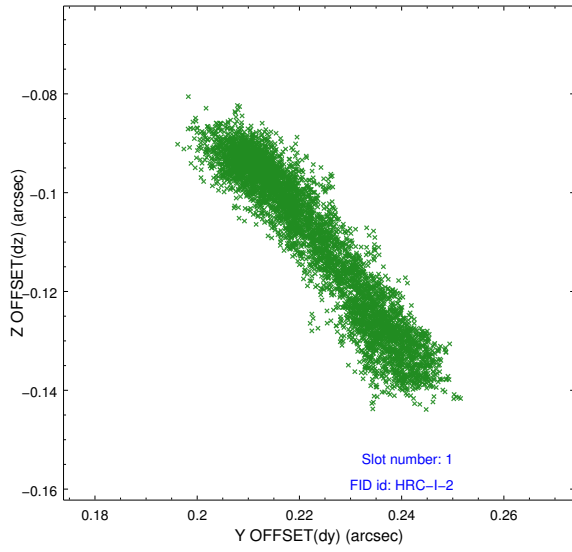


2.5 FID Slots

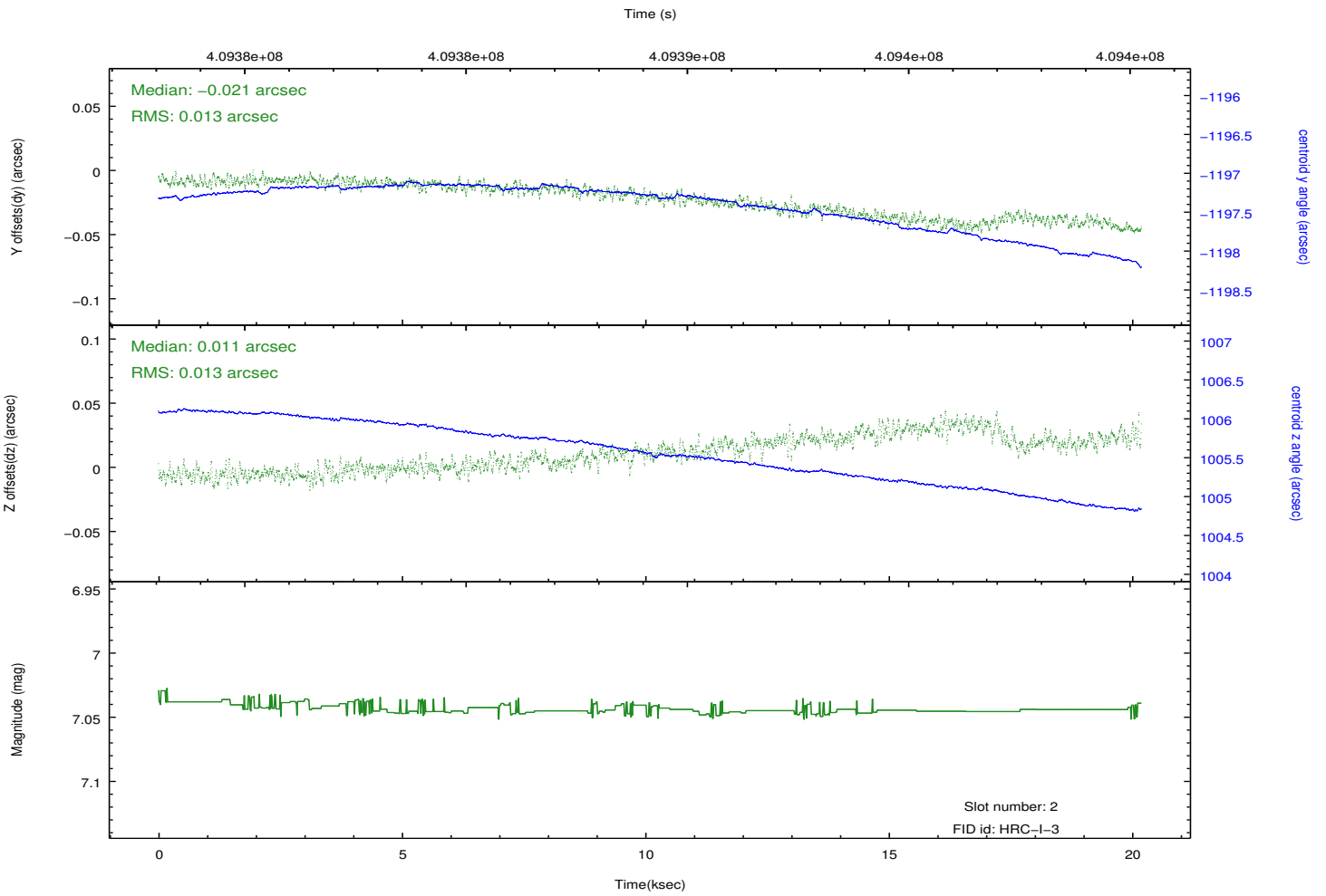
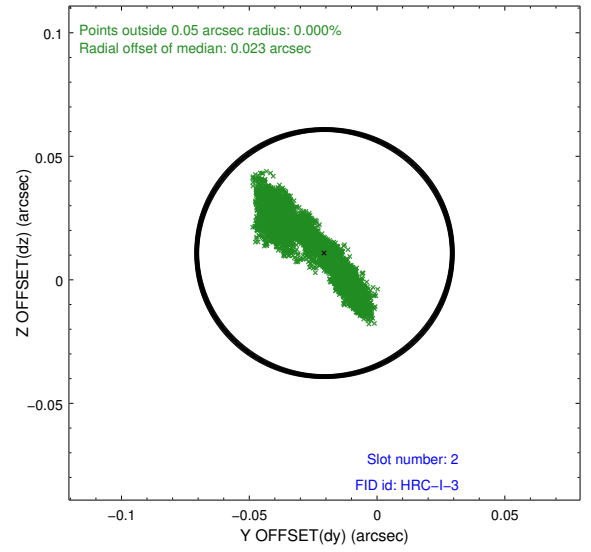
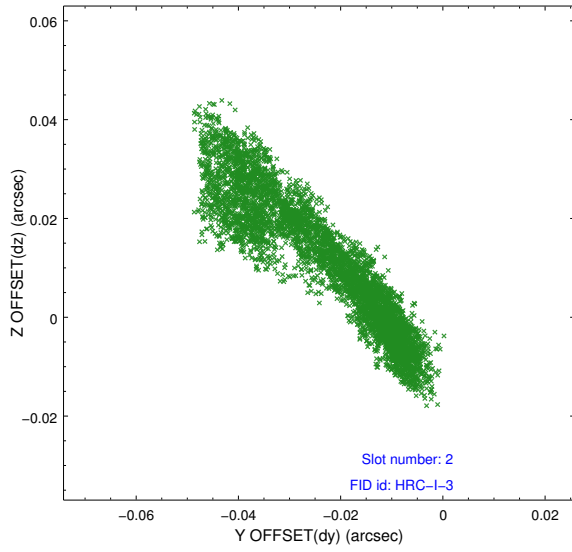
2.5.1 Slot 0



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)	2012.07.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.189682281971

A.2 Comments

Joint Proposal: CX0-XMM