V&V Reference Report
L2 ASCDS Version : 7.6.7.1

Observation 6177 - L2 Version 3
### Chandra X-Ray Center

L2 Processing Date : Nov 24 2007

Contents

1 Front

seq_num	600445
obs_id	6177
title	M31* - The Nearest Extra-galactic SuperMassive Black Hole
observer	Dr. MICHAEL GARCIA
object	M31*
ra_targ	10.685
dec_targ	41.268972
ra_nom	10.68427063418
dec_nom	41.264941641564
roll_nom	285.27014064353
revision	3
ontime	20187.632159561
livetime	20038.232809006
l2events	850712

2   OBI

2.1   OBI

2.1.1   Images

Level 1 Image	Level 1 Bad Events
o = target	o = target
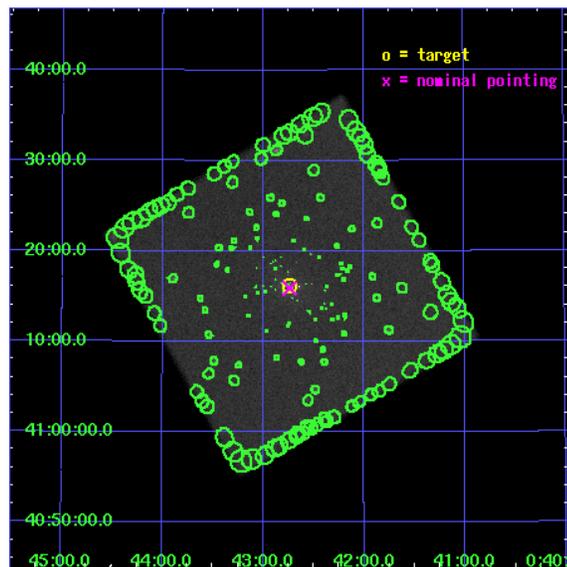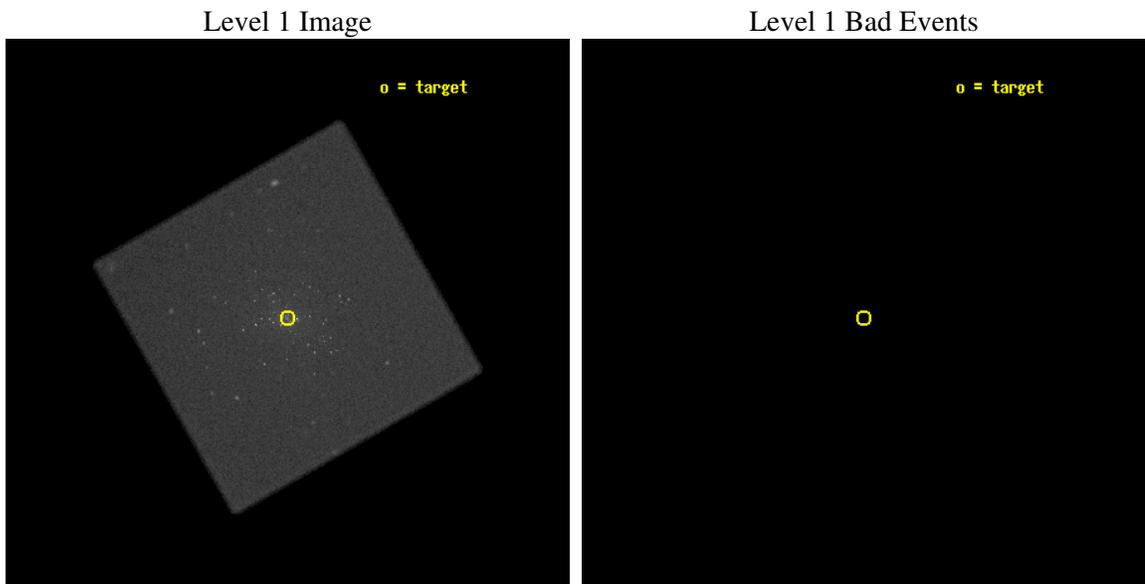
2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-24T05:07:06
revision	3

sched_exp_time	20000.000000
ontime	20187.632159561
l1events	1341824

2.1.3 Events

Level 1 Events

	segment 0
level 1 events	1341824
rejected events	101350
rejected %	7%

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
Pointing RA	10.658077	10.68427063417965
Pointing Dec	41.283463	41.26494164156362
Pointing Roll	285.382902	285.270140643526
SIM focus pos (mm)	-1.040293	-1.038866356238299
SIM defocus (mm)	0	0.001426264420575141
SIM translation stage pos (mm)	126.985494	126.9854943052878
SIM translation stage offset (mm)	0	-5.413686238853188e-06
Observation start time	220520138.184000	220519157.86872
Observation start date	2004-12-27T07:34:34	2004-12-27T07:19:17
Observation end time	220540138.184000	220540890.9447
Observation end date	2004-12-27T13:07:54	2004-12-27T13:21:30

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect

7
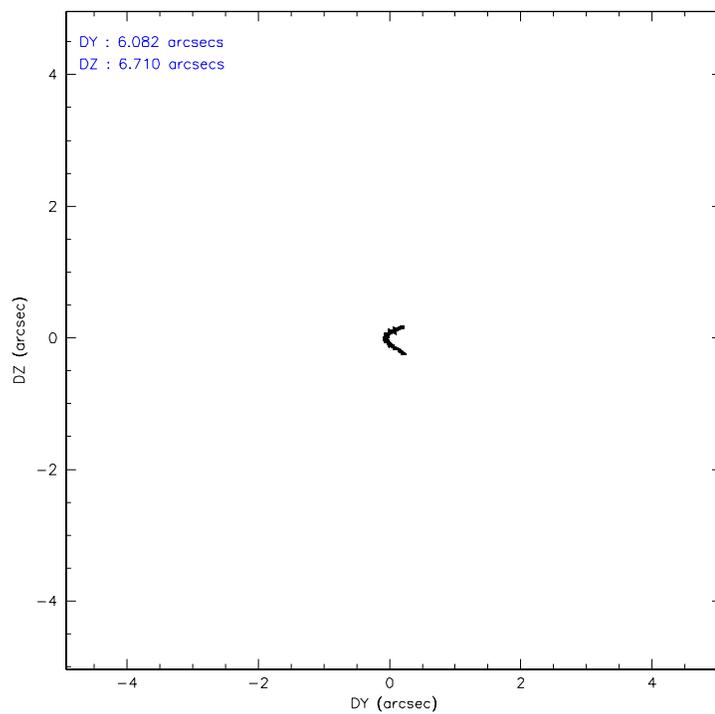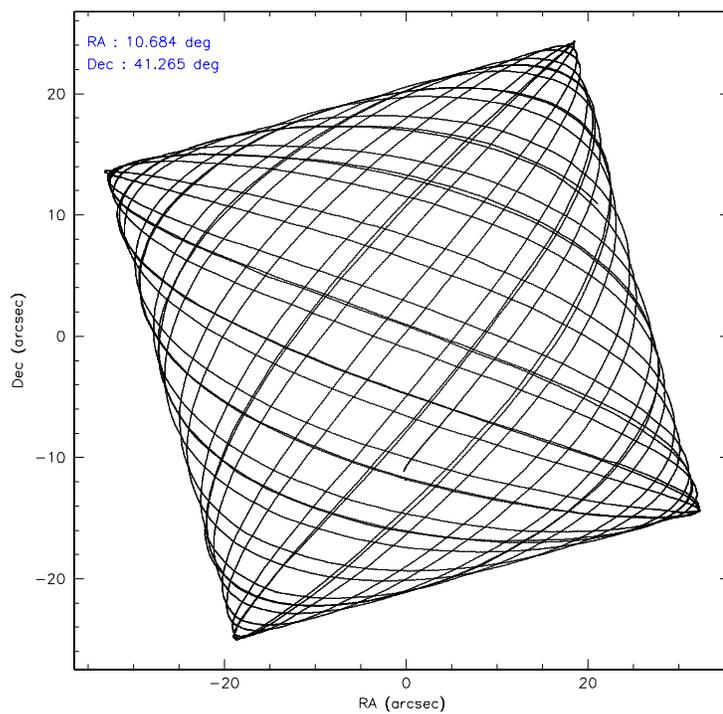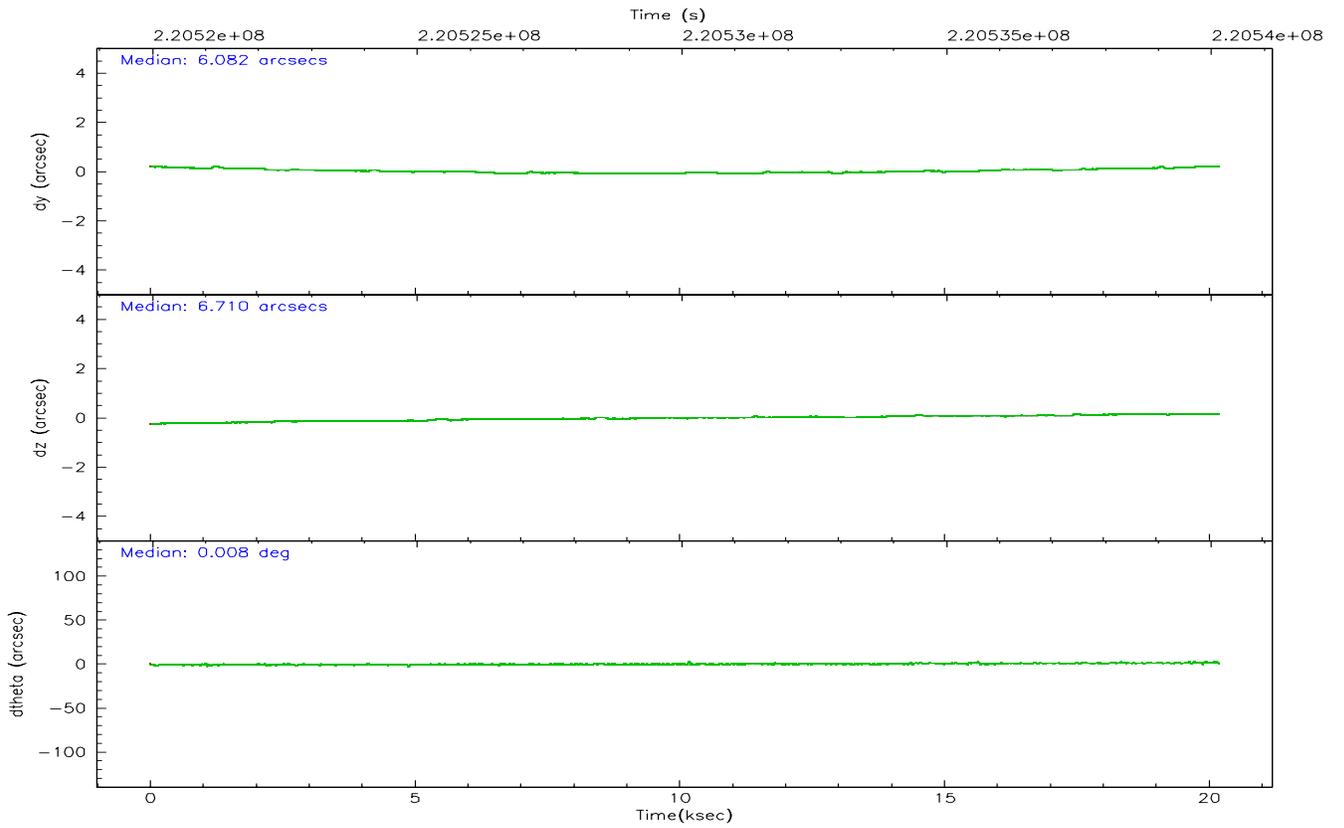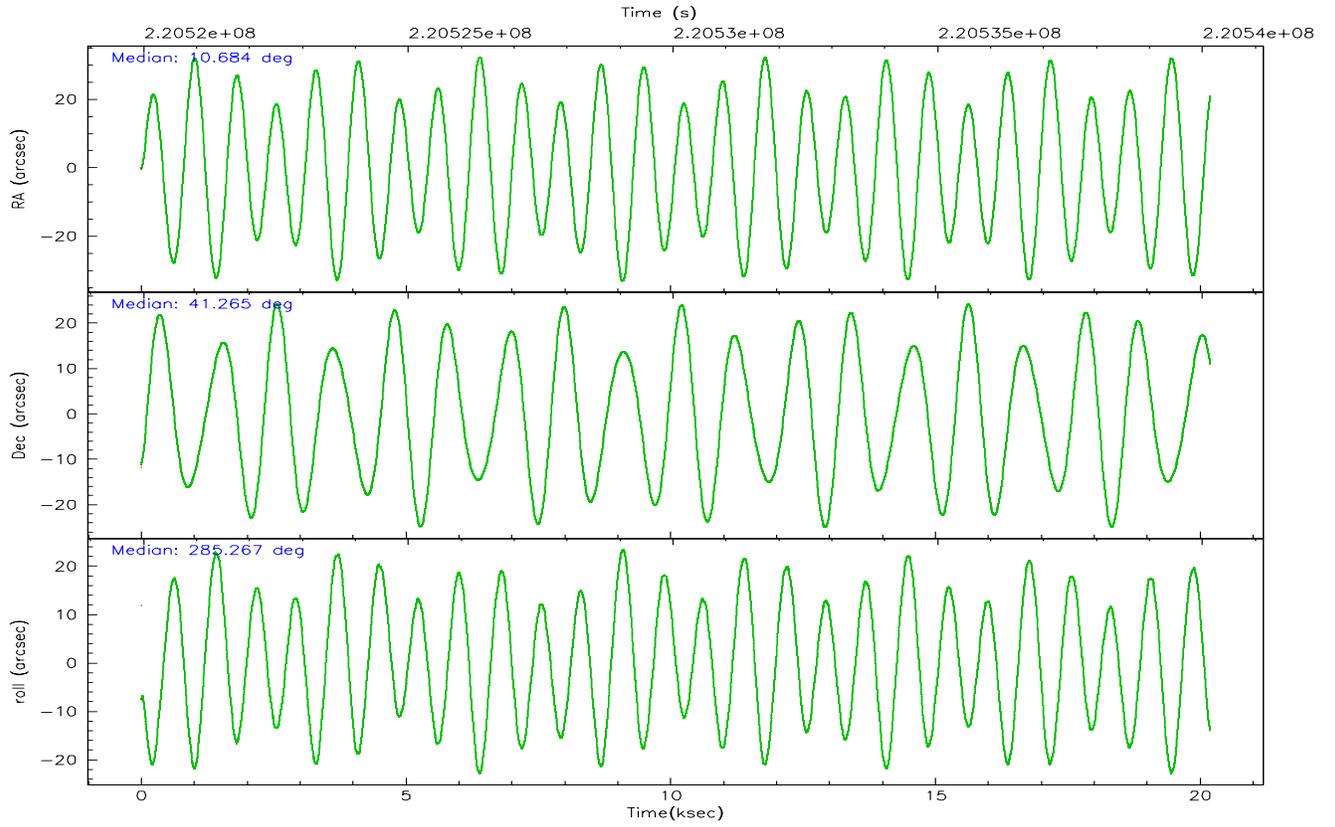
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	4925	0.011	-0.014	0.008	0.014	0.000000	0.000000	-761.64	-1294.61
1	FID	HRC-I-2	7.04	4925	0.104	-0.074	0.008	0.014	0.000000	0.000000	850.93	-1296.48
2	FID	HRC-I-3	7.09	4925	0.004	-0.001	0.007	0.012	0.000000	0.000000	-1189.99	1009.70
3	GUIDE	367138920	7.74	9849	0.123	0.085	0.057	0.093	11.513485	40.808909	2255.40	1797.80
4	GUIDE	367146616	8.85	9847	0.009	-0.003	0.092	0.147	11.418645	41.190163	862.34	1900.13
5	GUIDE	367148872	7.24	9848	0.039	-0.035	0.072	0.112	10.505940	40.688258	1956.42	-968.64
6	GUIDE	367658664	9.60	9843	-0.039	-0.014	0.112	0.184	10.374070	41.369746	-503.56	-657.24
7	GUIDE	367663272	9.29	9840	-0.133	-0.031	0.091	0.149	10.656279	41.699429	-1444.76	391.95

2.4 Star Slots

2.4.1 Slot 3
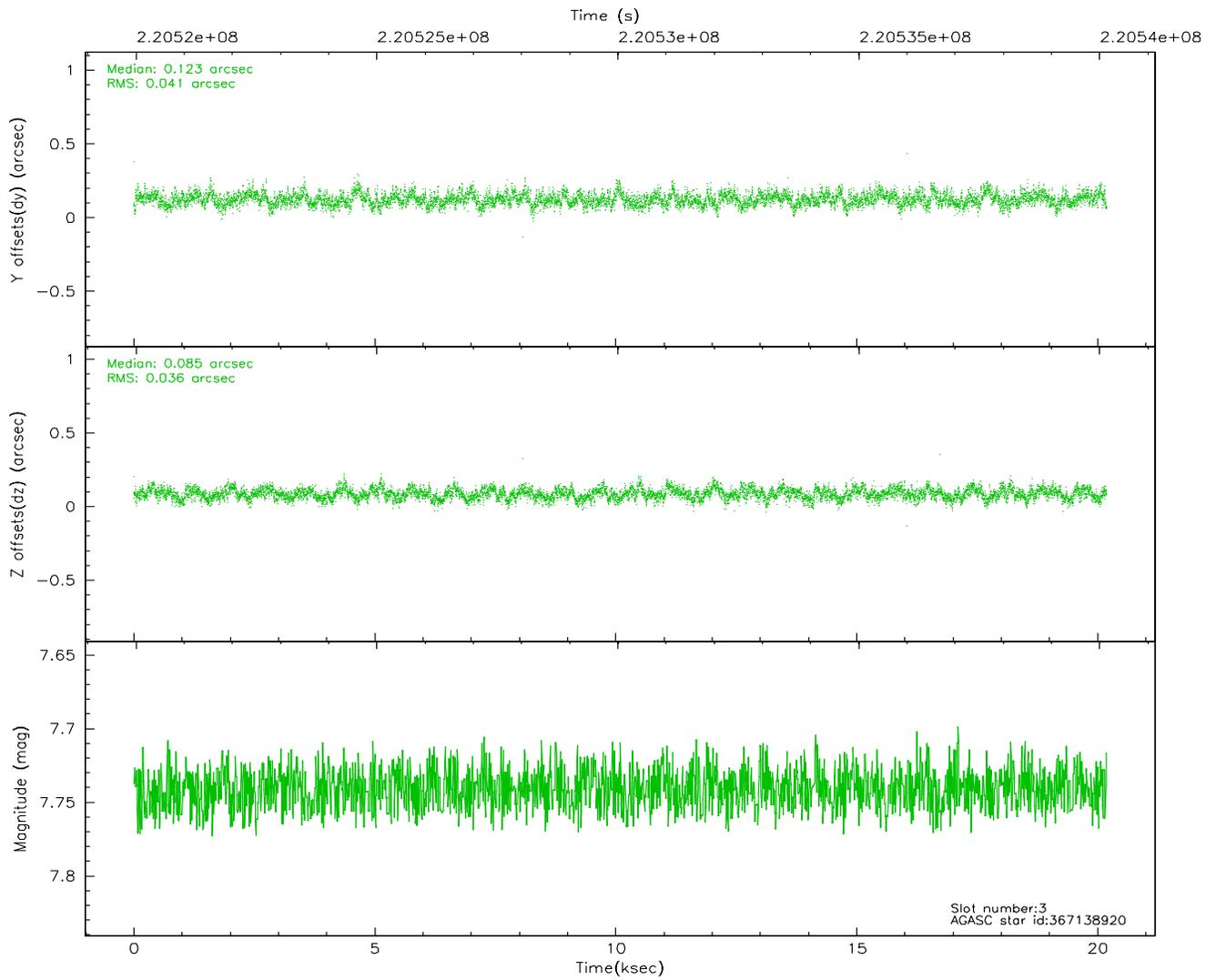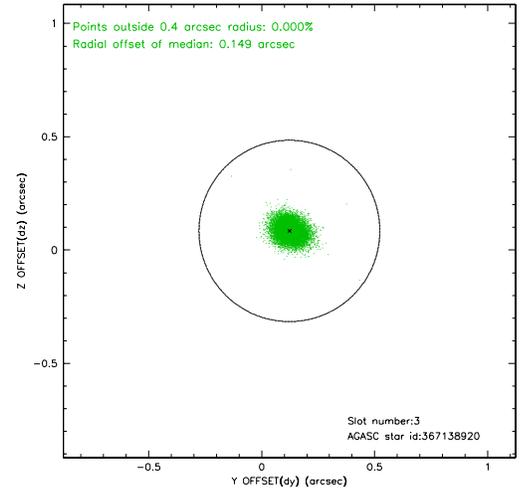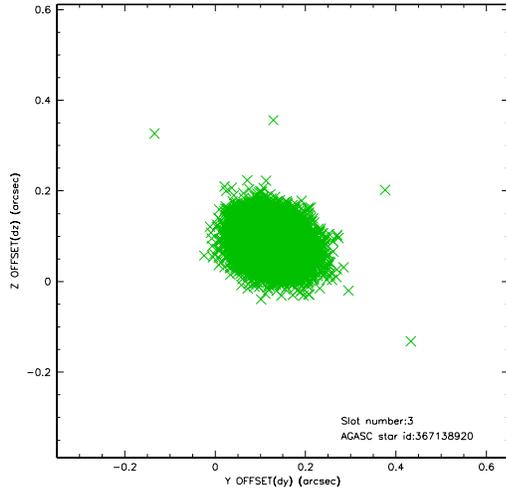
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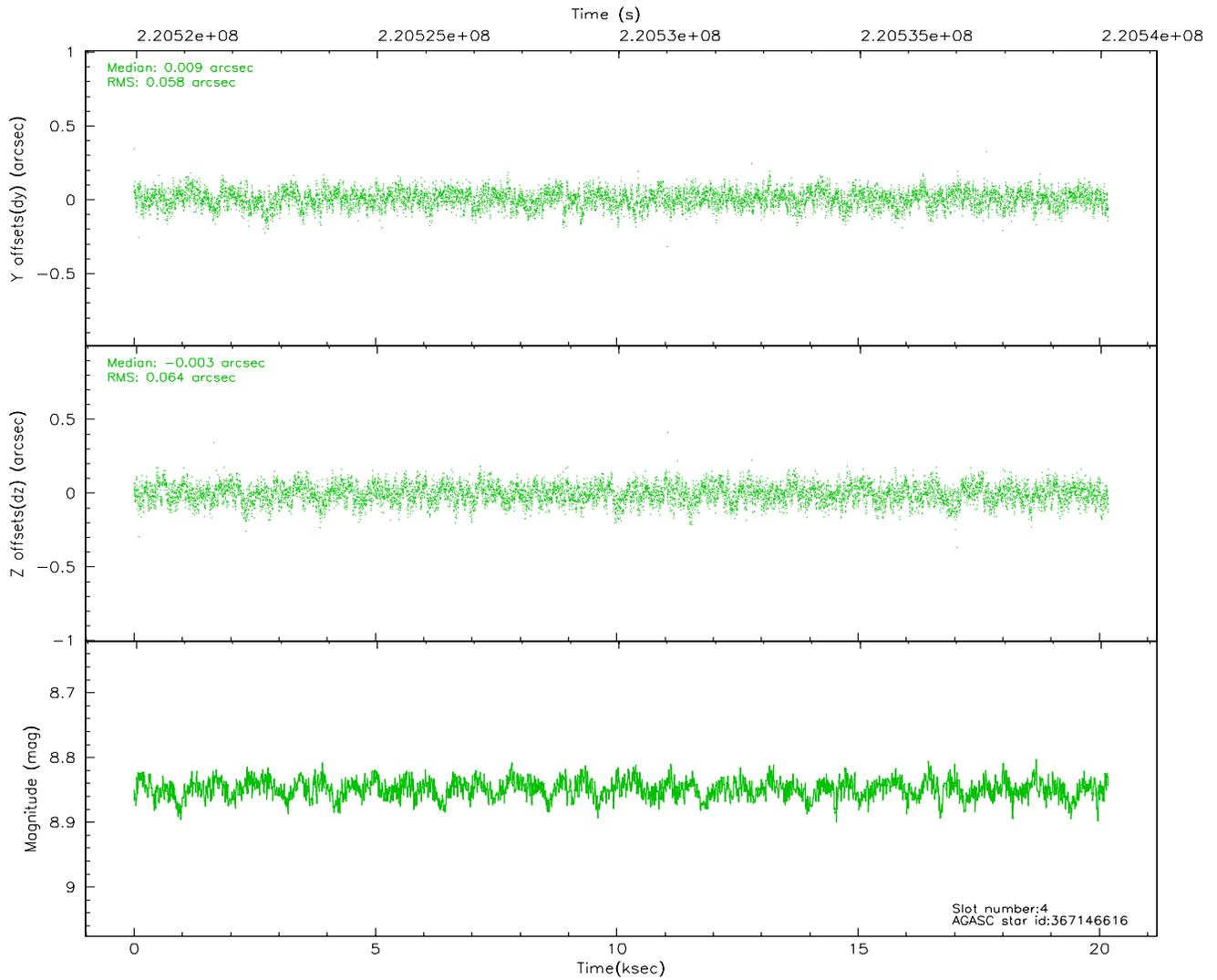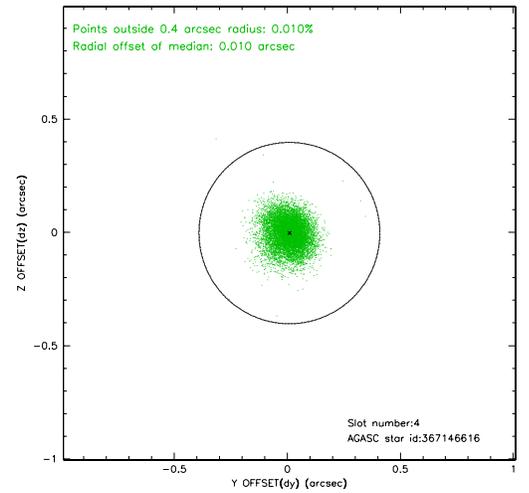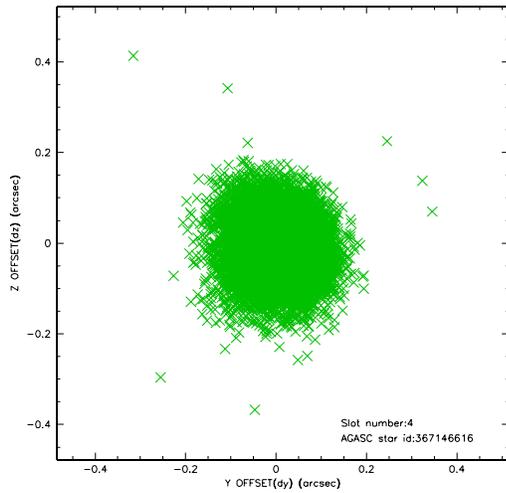
2.4.3 Slot 5
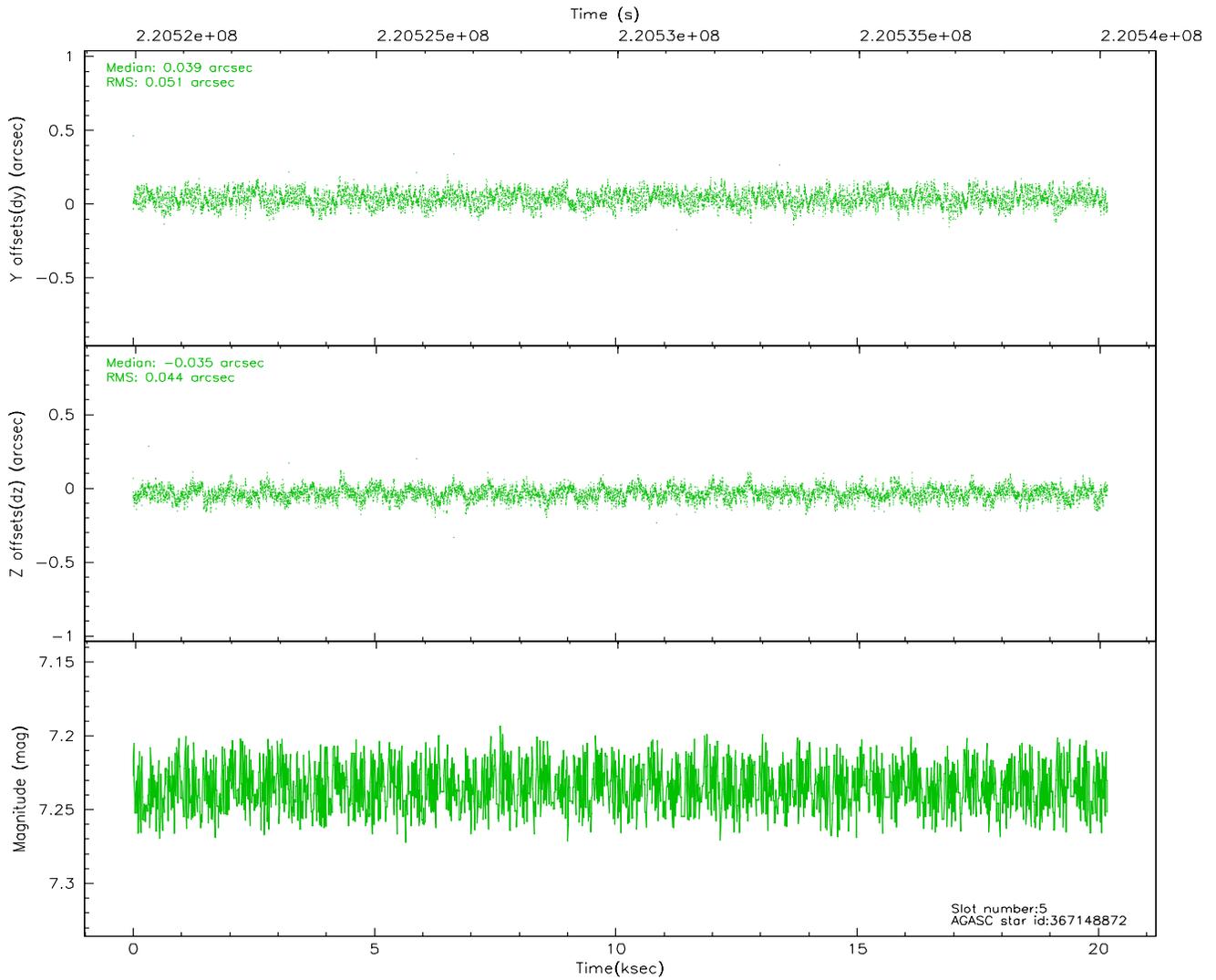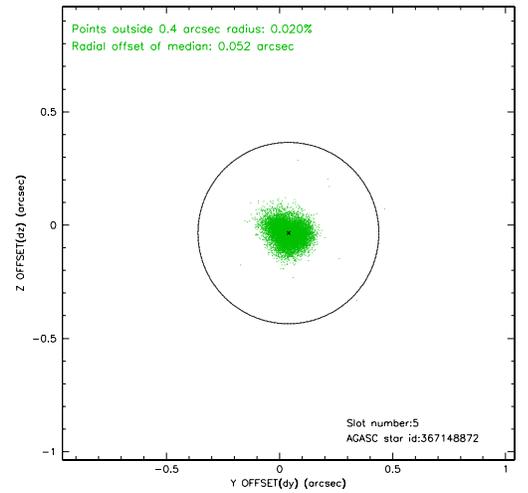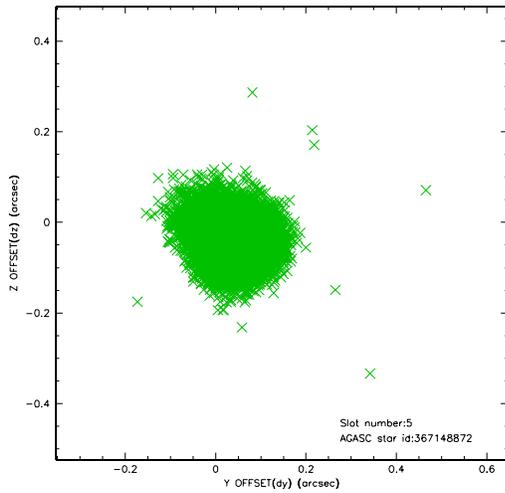
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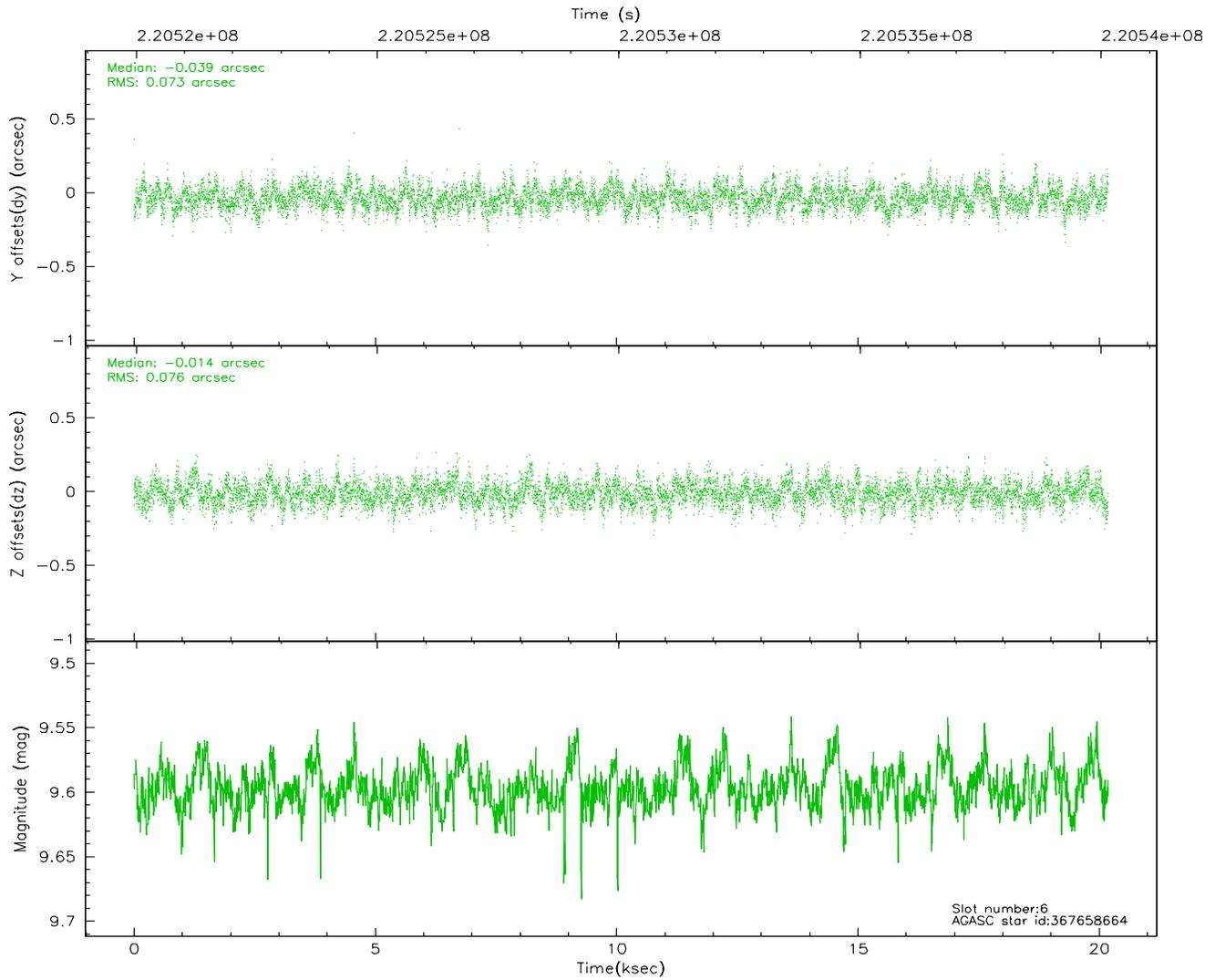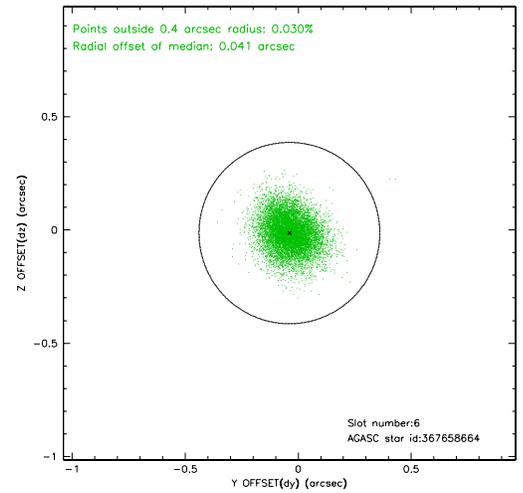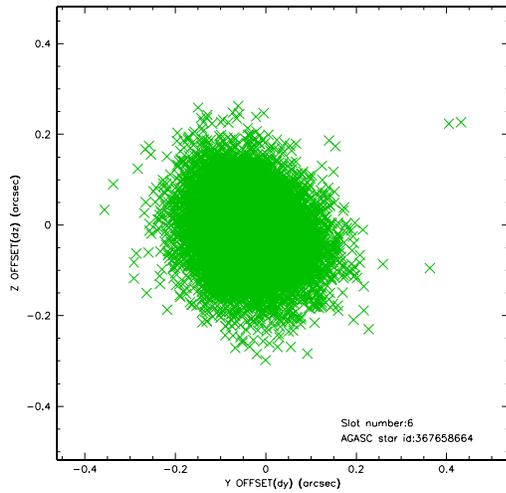
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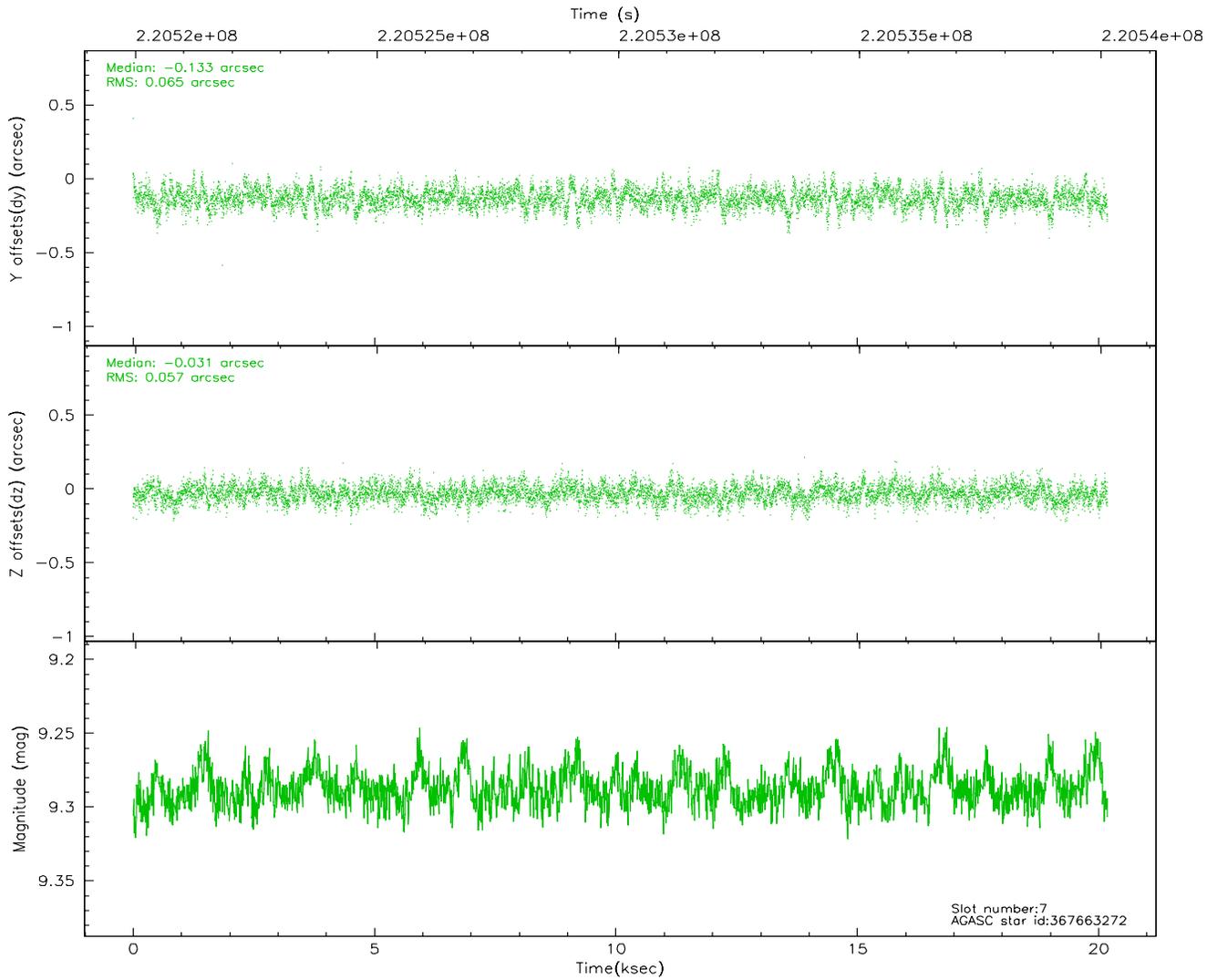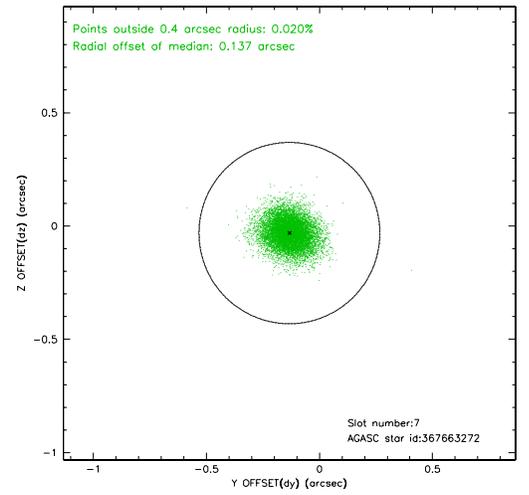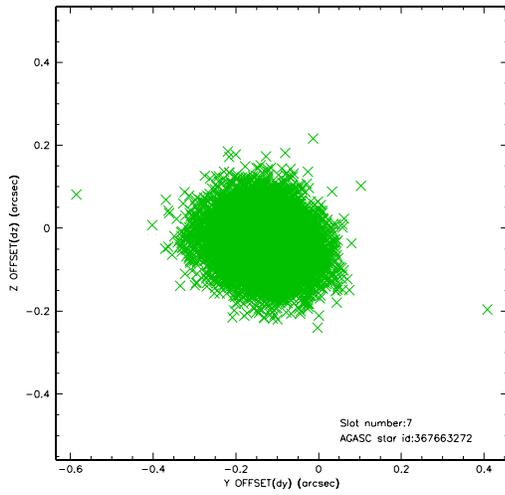
2.5 FID Slots

2.5.1 Slot 0
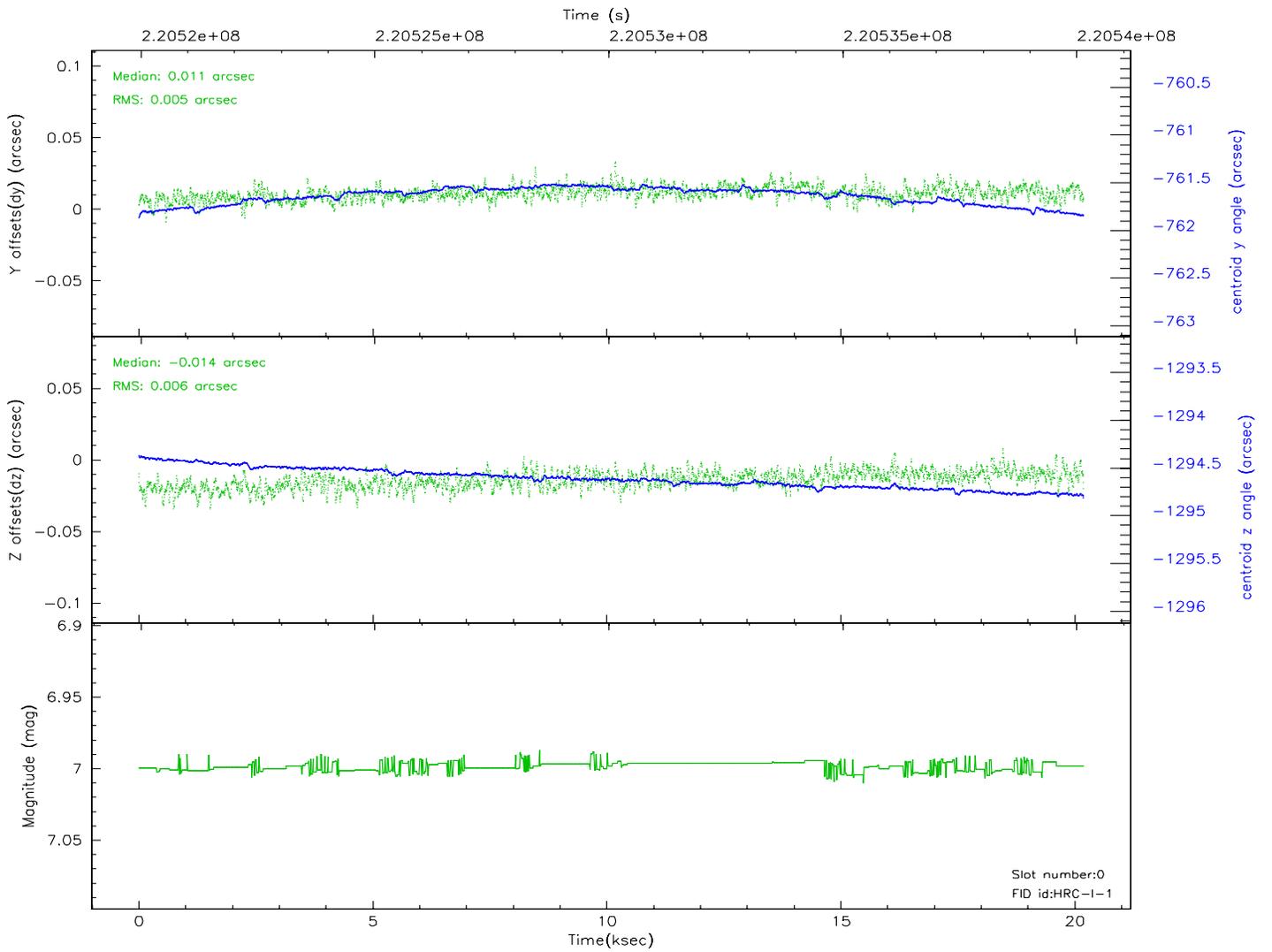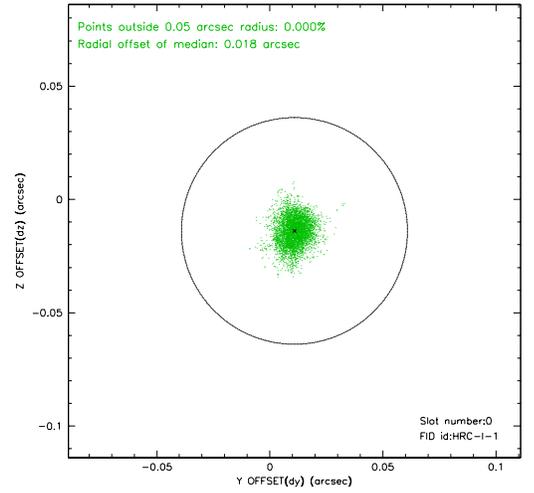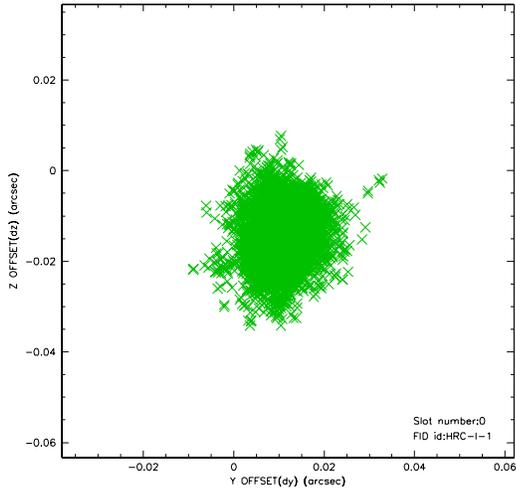
2.5.2　Slot 1
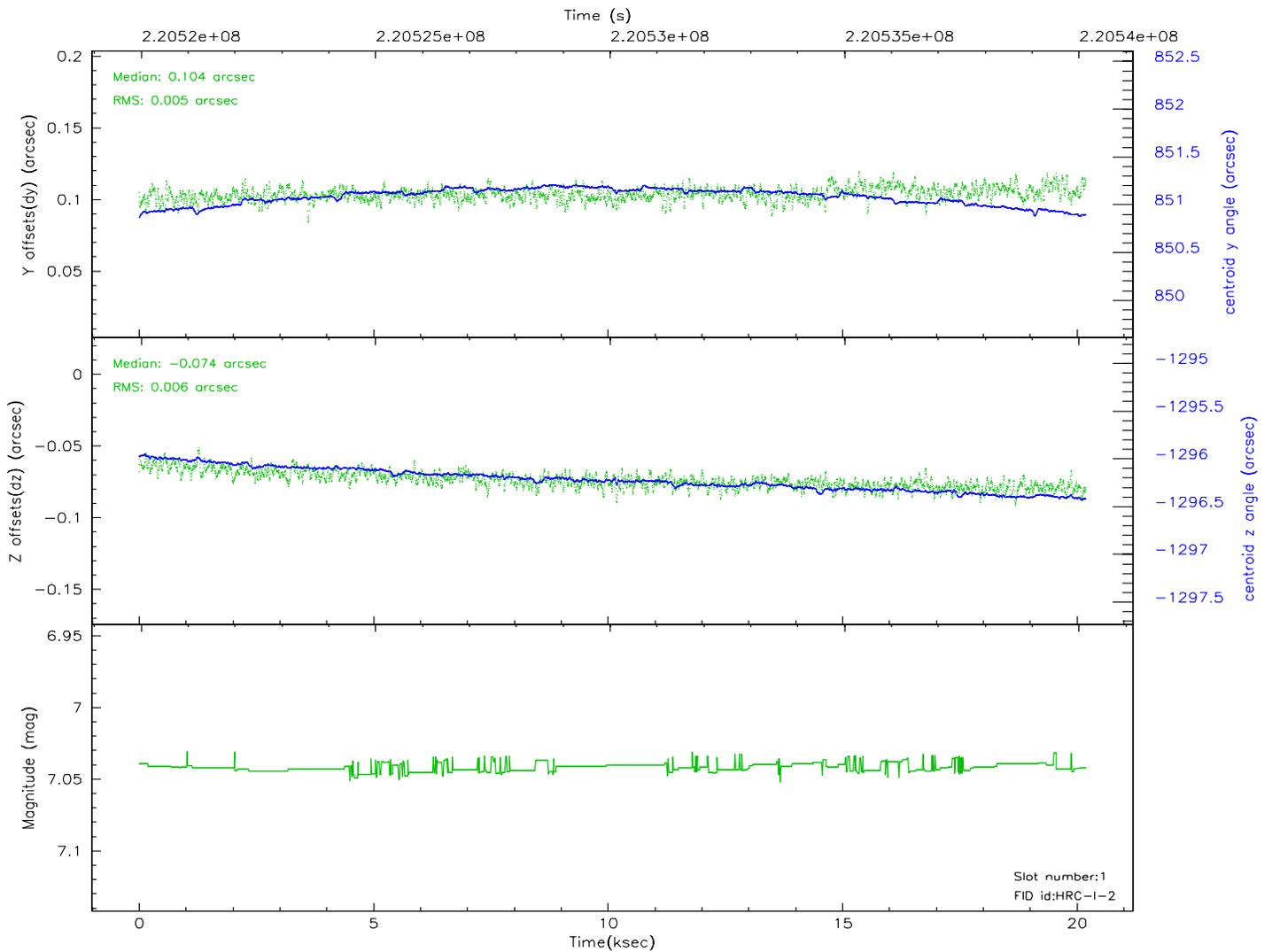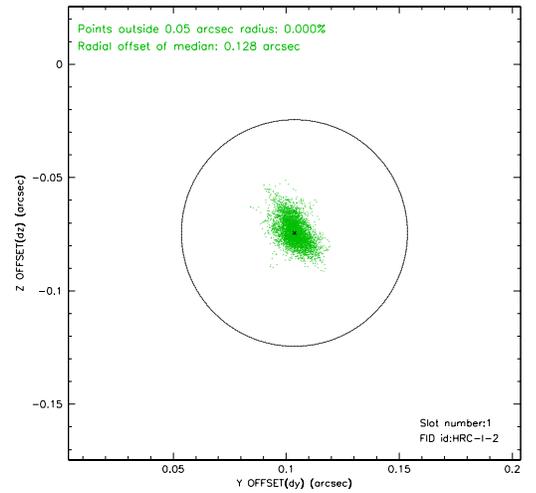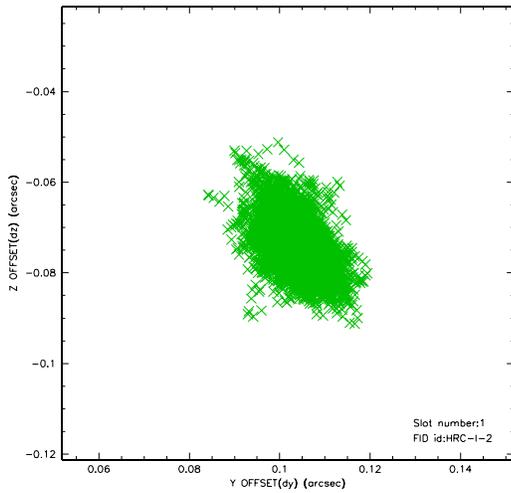
2.5.3 Slot 2

3   Point Sources

15.28 arcmin   3.39 arcmin   5.07 arcmin   3.59 arcmin
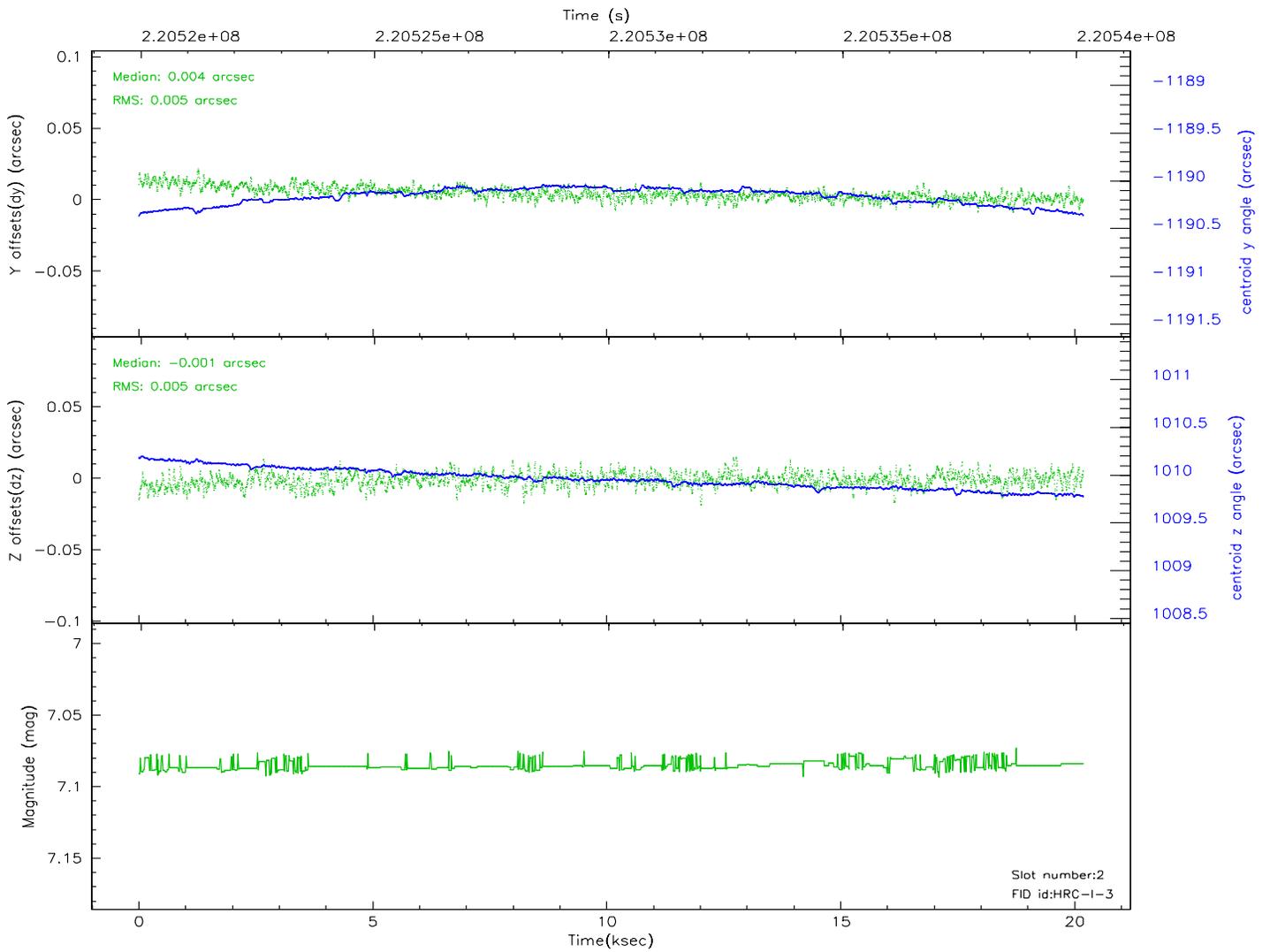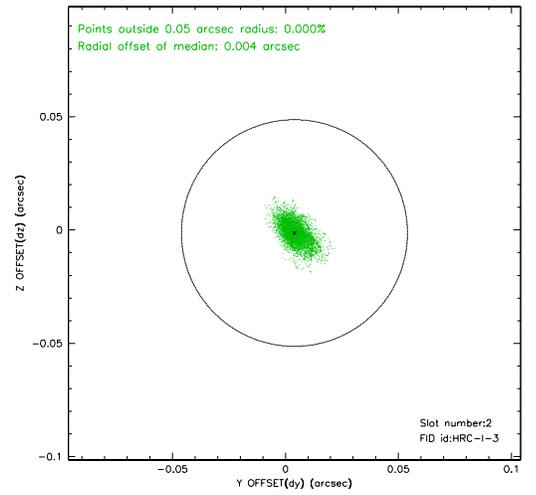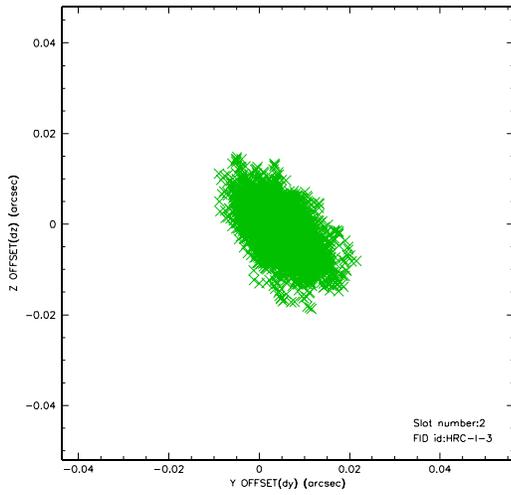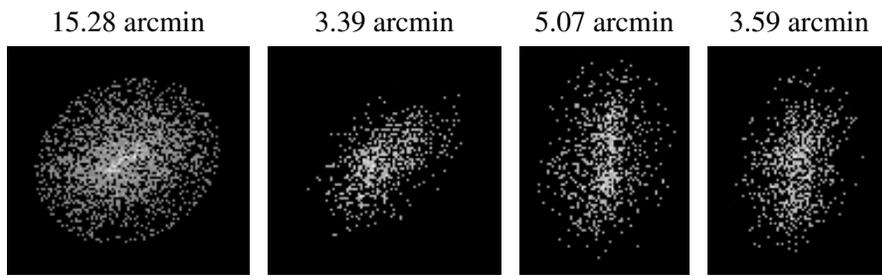
A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.18763

A.2 Comments

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at:

http://asc.harvard.edu/cda/repro3.html#IIIc

and the associated links.