

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8526 - L2 Version 3
Chandra X-Ray Center

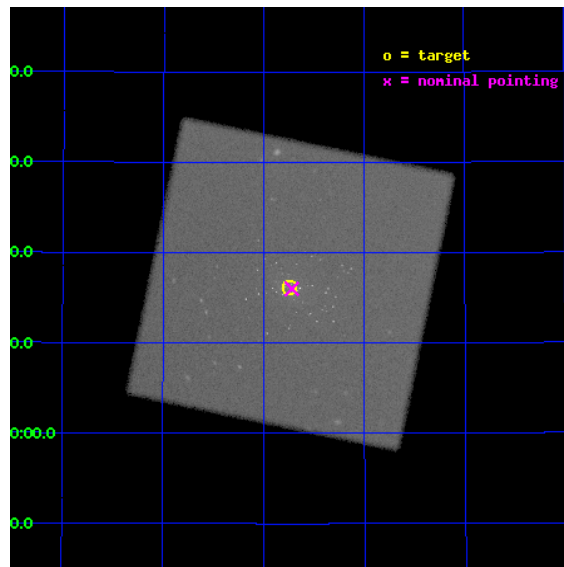
L2 Processing Date : Aug 12 2012

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1 Front

seq_num	300196	Sequence number
obs_id	8526	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	10.679923292013	Nominal RA [deg]
dec_nom	41.266846545731	Nominal Dec [deg]
roll_nom	236.71441600002	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20158.932222903	[s]
livetime	19944.042175806	Ontime multiplied by DTCOR
l2events	1268540	Number of level 2 events

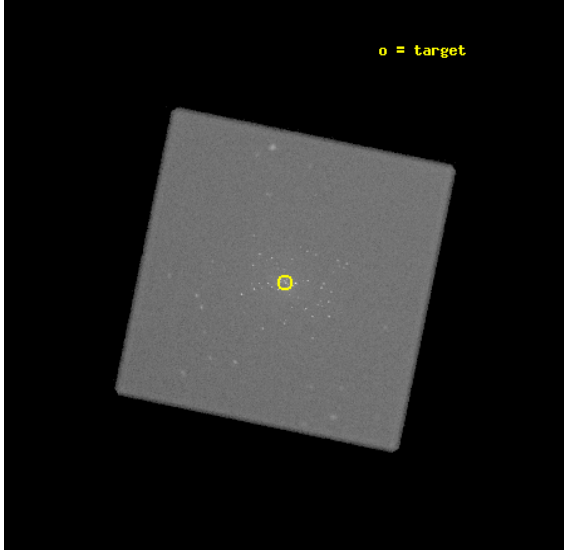


2 OBI

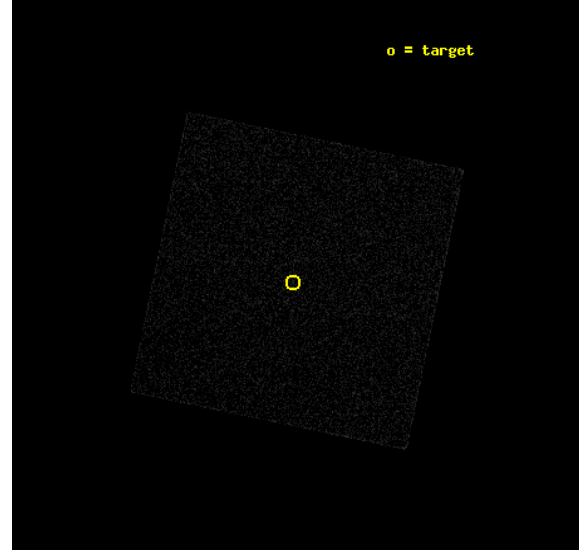
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



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	20158.932222903	[s]
caldbver	4.5.1.1	 	l1events	2039179	Number of level 1 events
date	2012-08-12T07:57:02	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

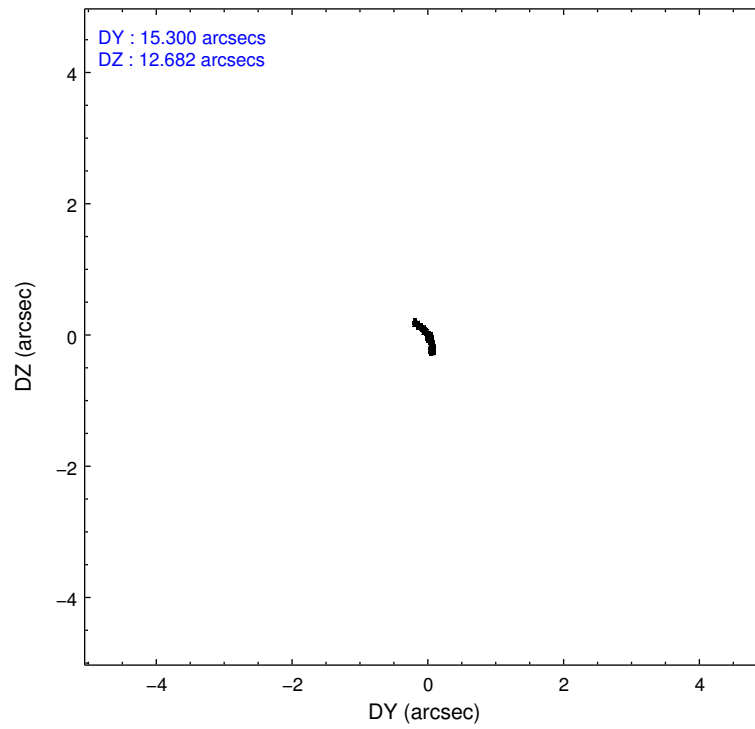
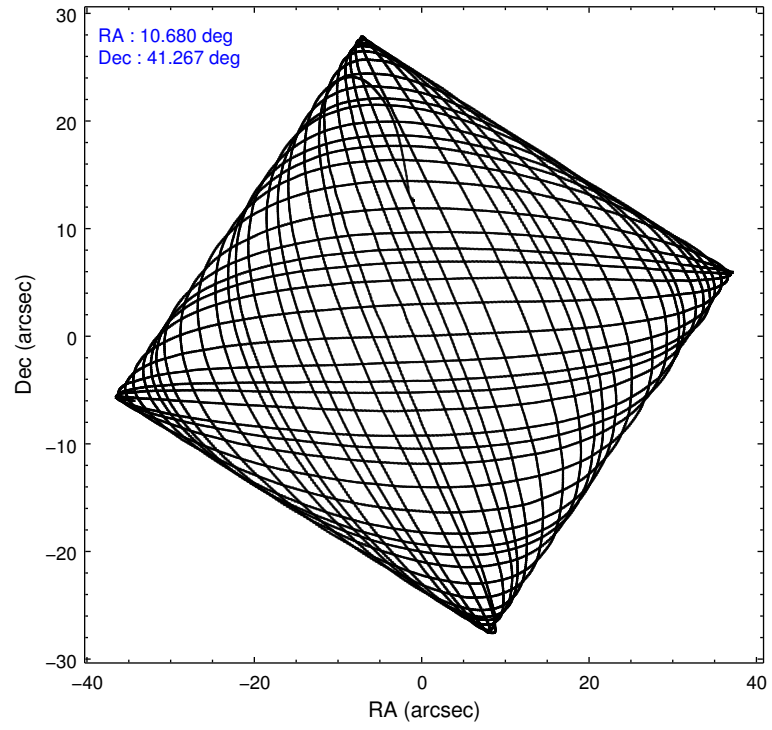
Level 1 Events

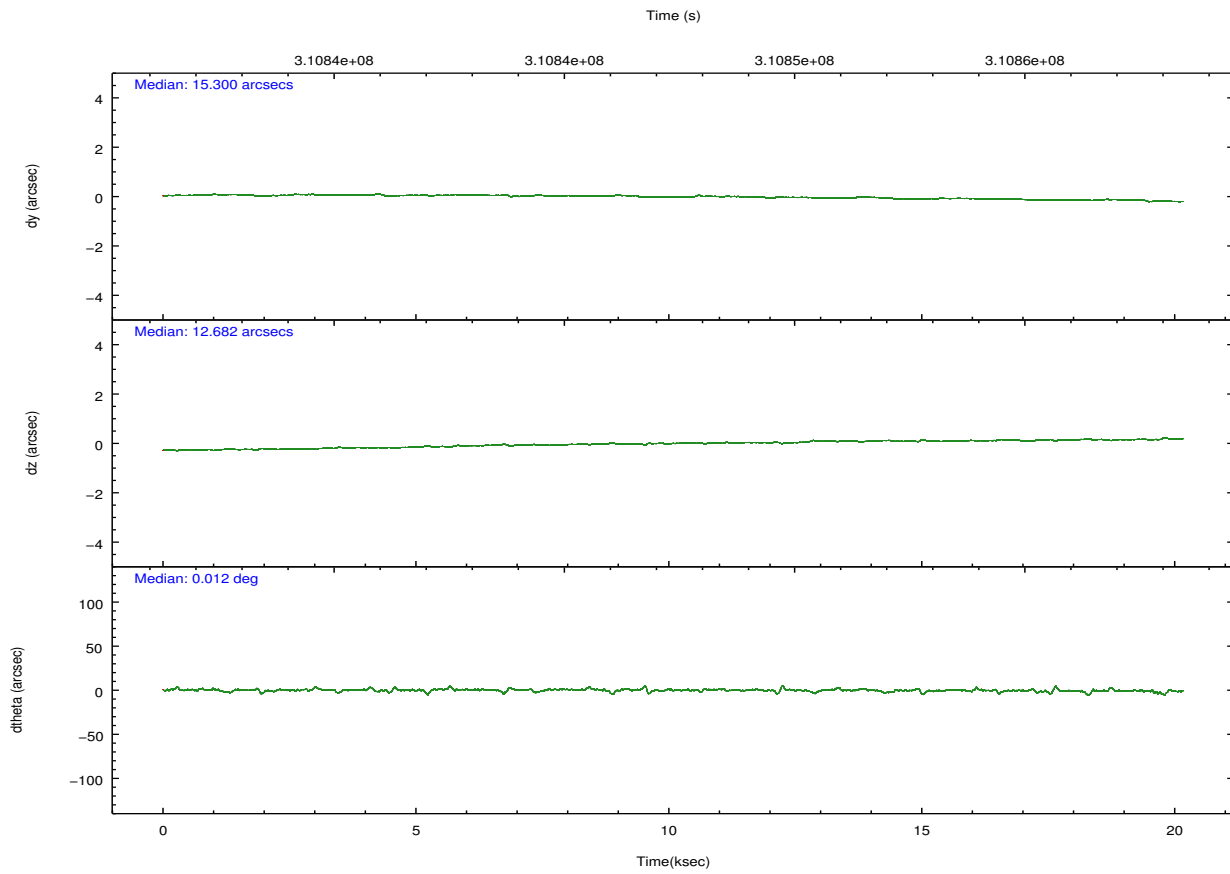
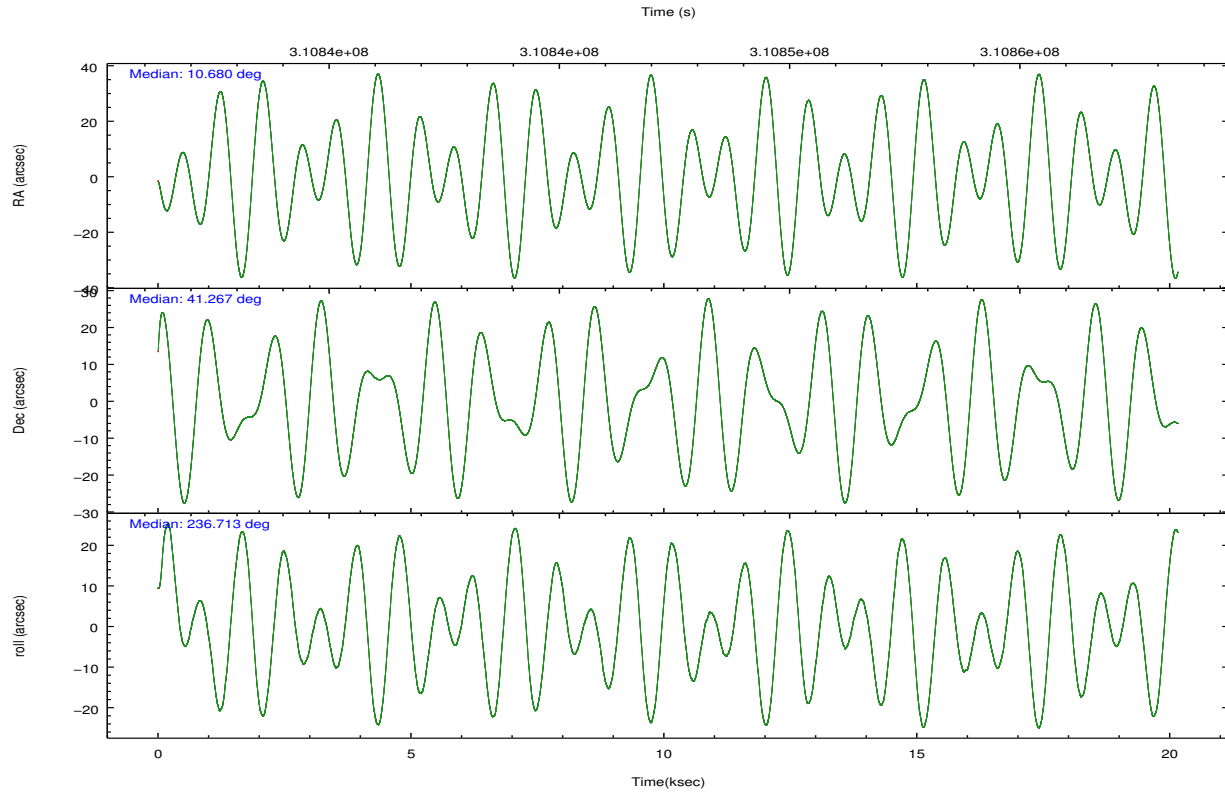
	segment 0
level 1 events	2039179
rejected events	183841
rejected %	9%

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	10.681223	10.67992329201282			
[deg] Pointing Dec	41.294035	41.26684654573138			
[deg] Pointing Roll	236.809056	236.714416000019			
[s] Window start time (MET)	310780865.184000	310780865.184000			
[s] Window stop time (MET)	311040005.184000	311040005.184000			
[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)	310837443.184000	310835883.45086			
Observation start date	2007-11-07T15:42:58	2007-11-07T15:18:03			
[s] Observation end time (MET)	310857443.184000	310858089.05193			
Observation end date	2007-11-07T21:16:18	2007-11-07T21:28:09			

2.3 Aspect



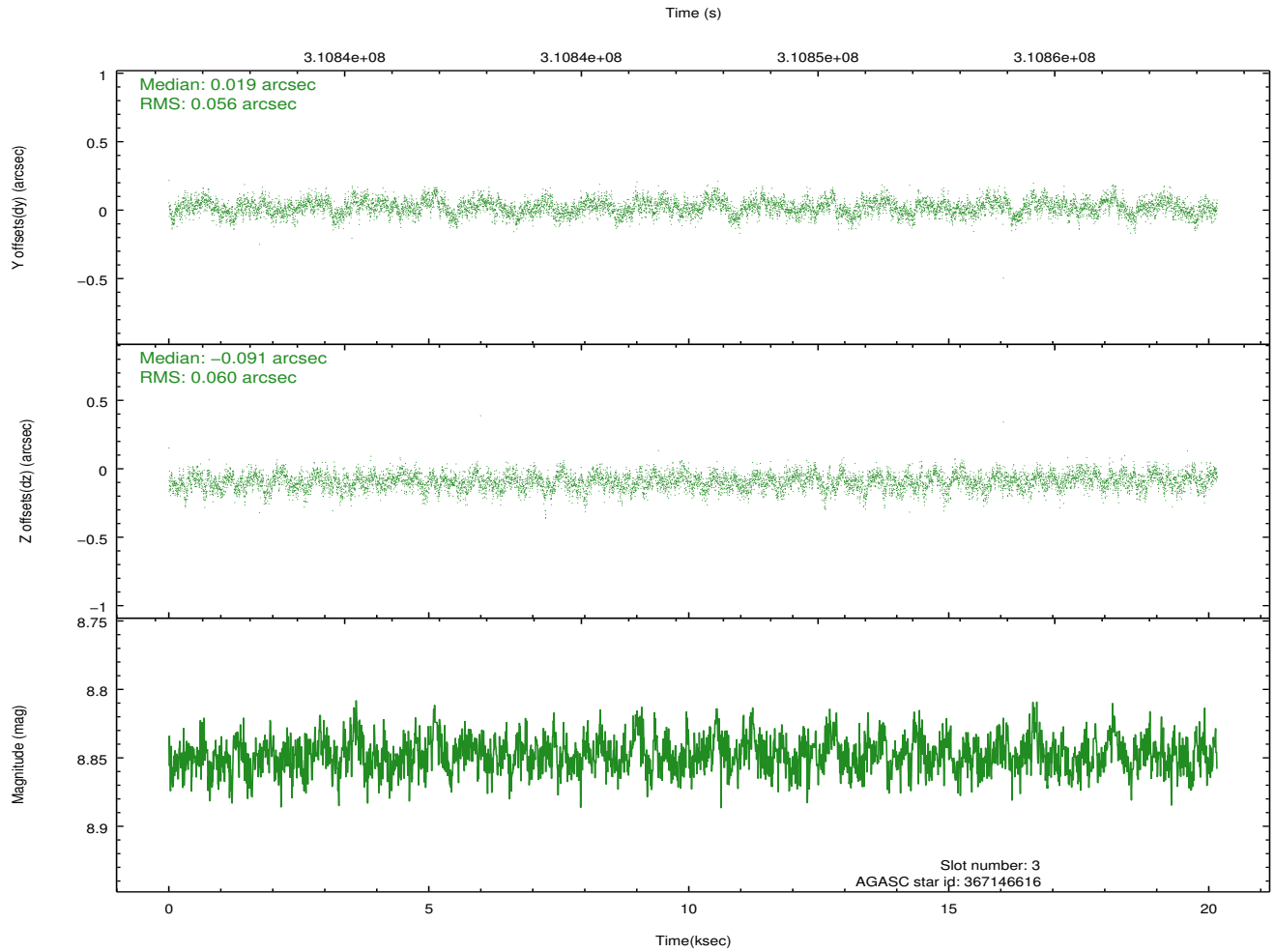
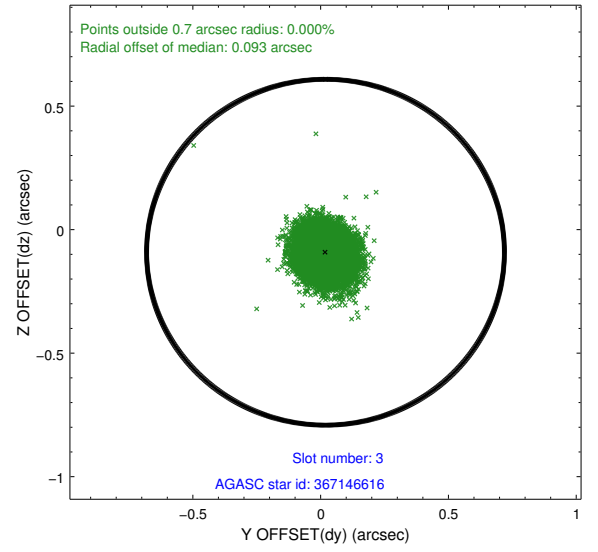
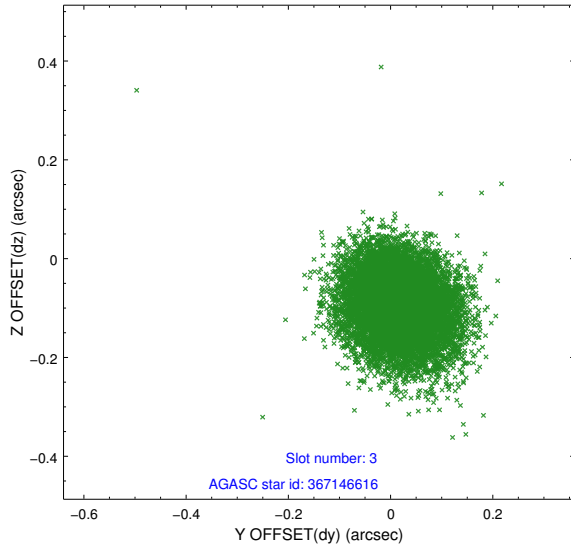


Slot Statistics

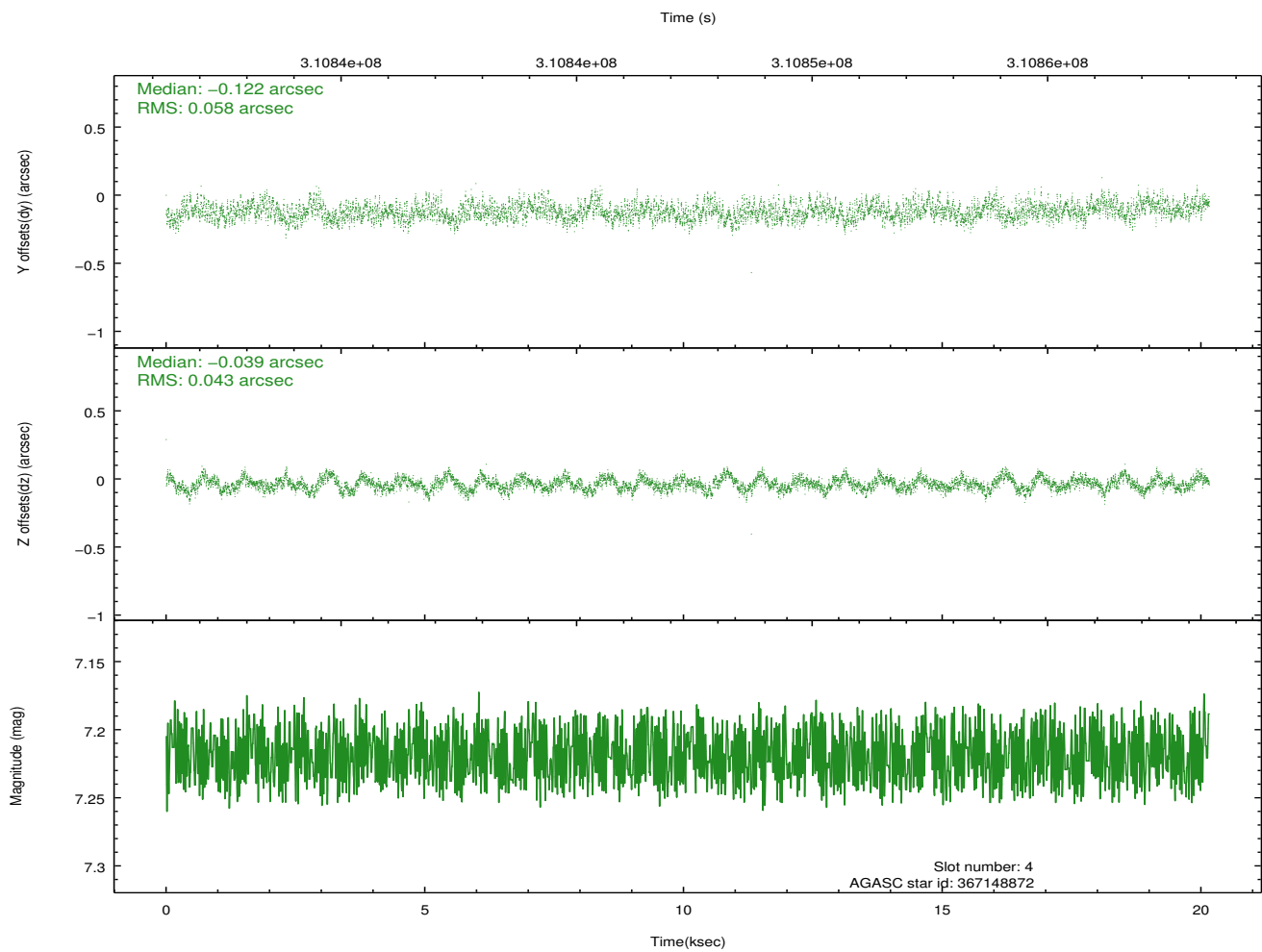
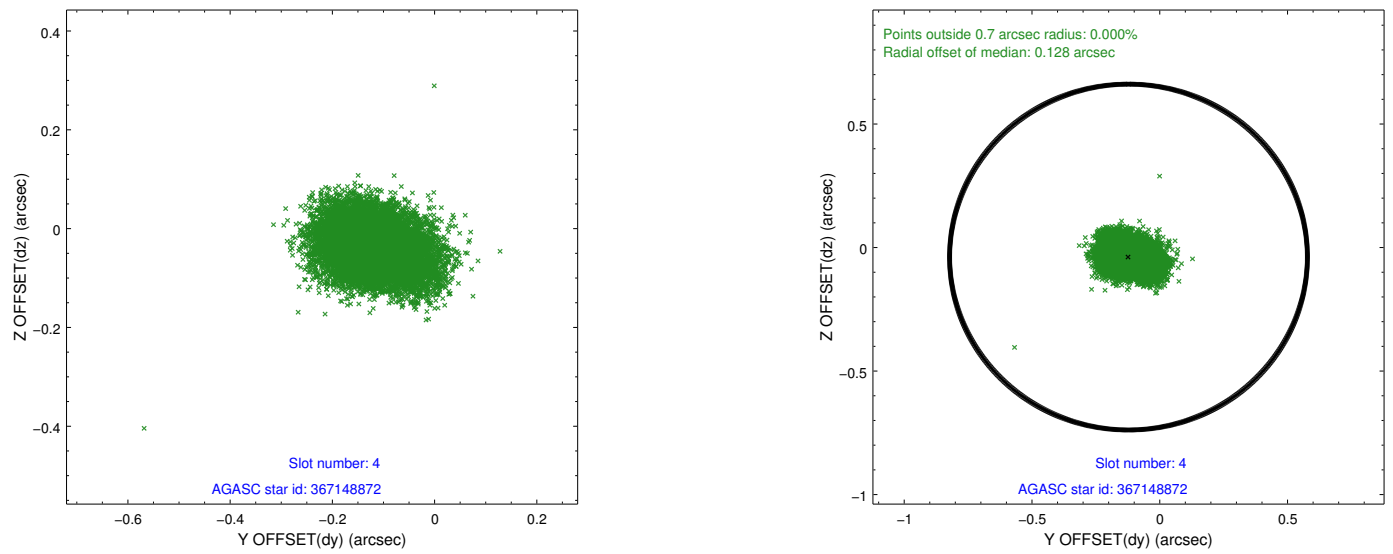
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	4918	-0.078	-0.002	0.013	0.032	0.000000	0.000000	-771.26	-1300.62
1	FID	HRC-I-2	7.01	4918	0.176	-0.074	0.014	0.030	0.000000	0.000000	841.46	-1302.64
2	FID	HRC-I-4	7.00	4918	0.019	-0.016	0.010	0.023	0.000000	0.000000	1271.95	1001.13
3	GUIDE	367146616	8.85	9821	0.019	-0.091	0.087	0.139	11.418645	41.190163	-787.75	1872.11
4	GUIDE	367148872	7.22	9829	-0.122	-0.039	0.077	0.126	10.505940	40.688258	2086.89	793.93
5	GUIDE	367657896	9.02	9827	0.003	0.092	0.089	0.141	11.197765	41.313576	-826.69	1128.57
6	GUIDE	367663272	9.29	9824	0.063	0.111	0.134	0.287	10.656279	41.699429	-1183.92	-854.87
7	GUIDE	367674552	8.84	9827	0.022	-0.068	0.086	0.138	11.016238	41.570845	-1329.35	208.89

2.4 Star Slots

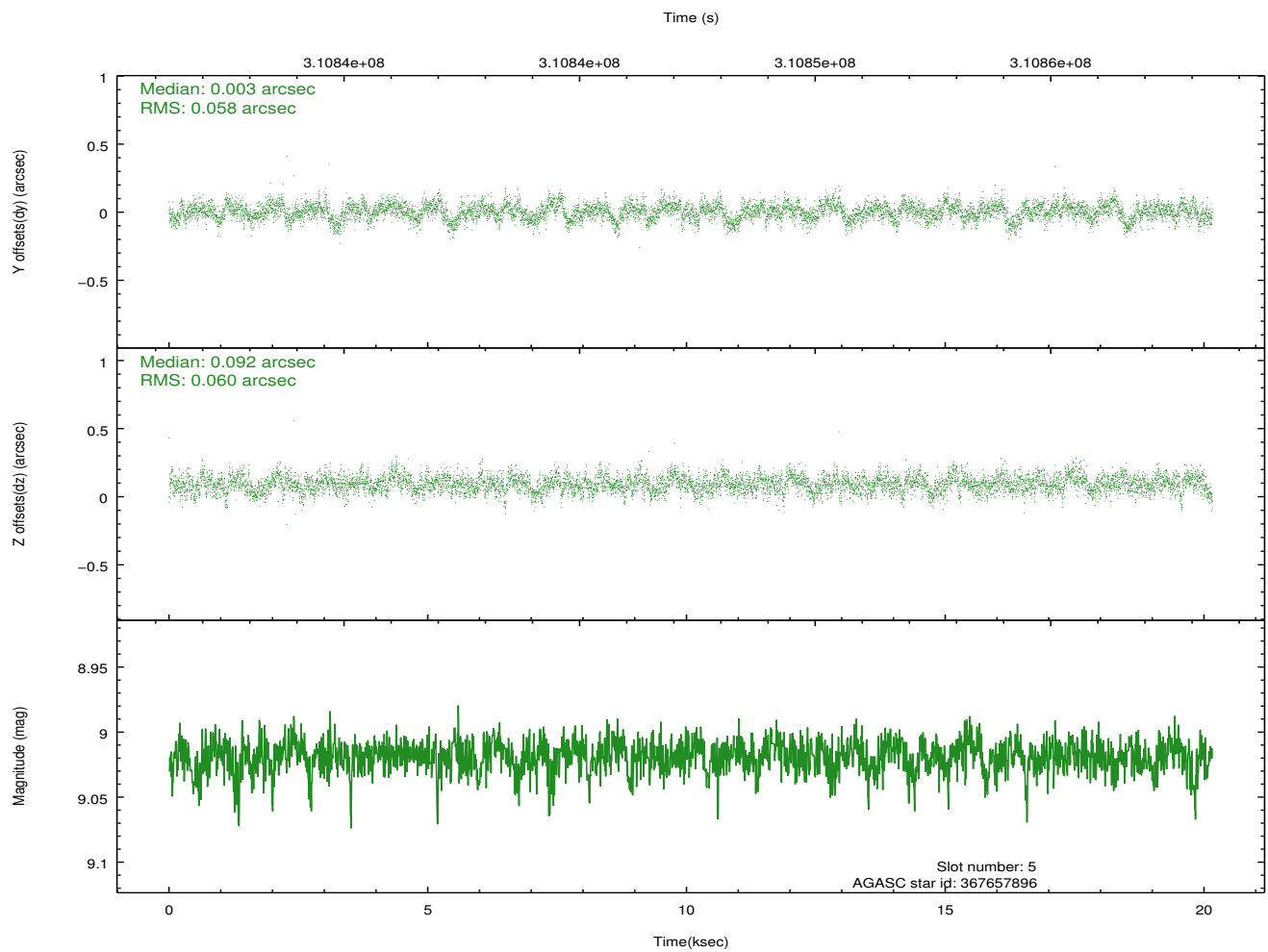
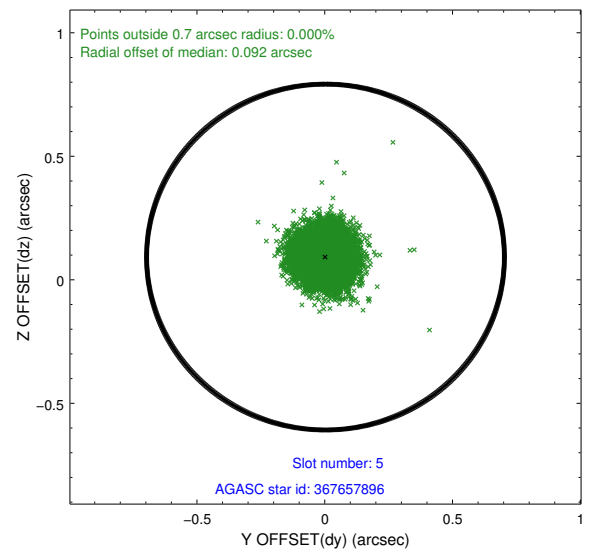
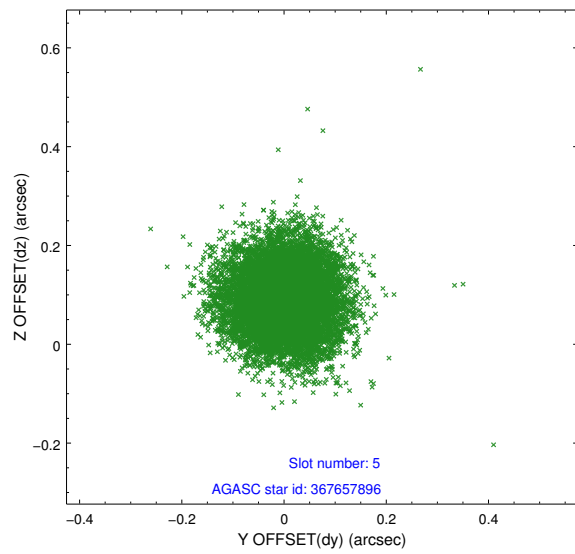
2.4.1 Slot 3



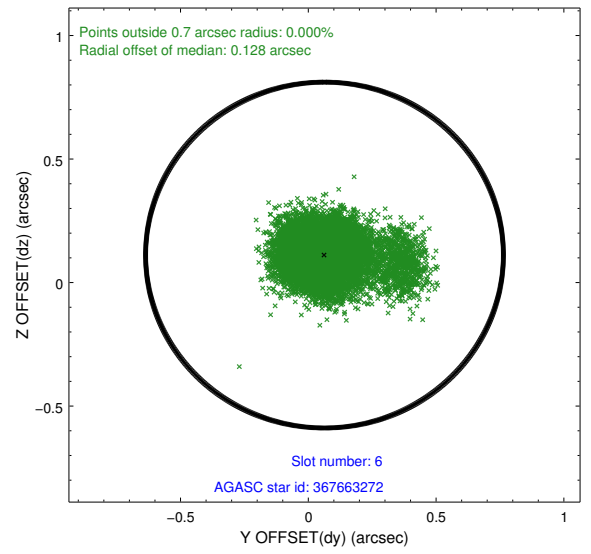
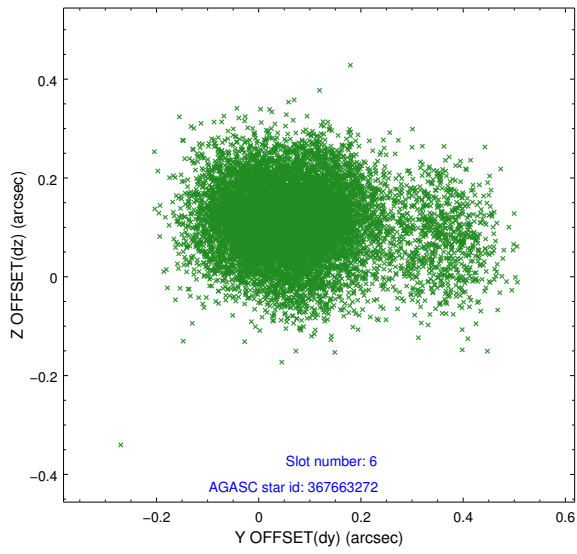
2.4.2 Slot 4



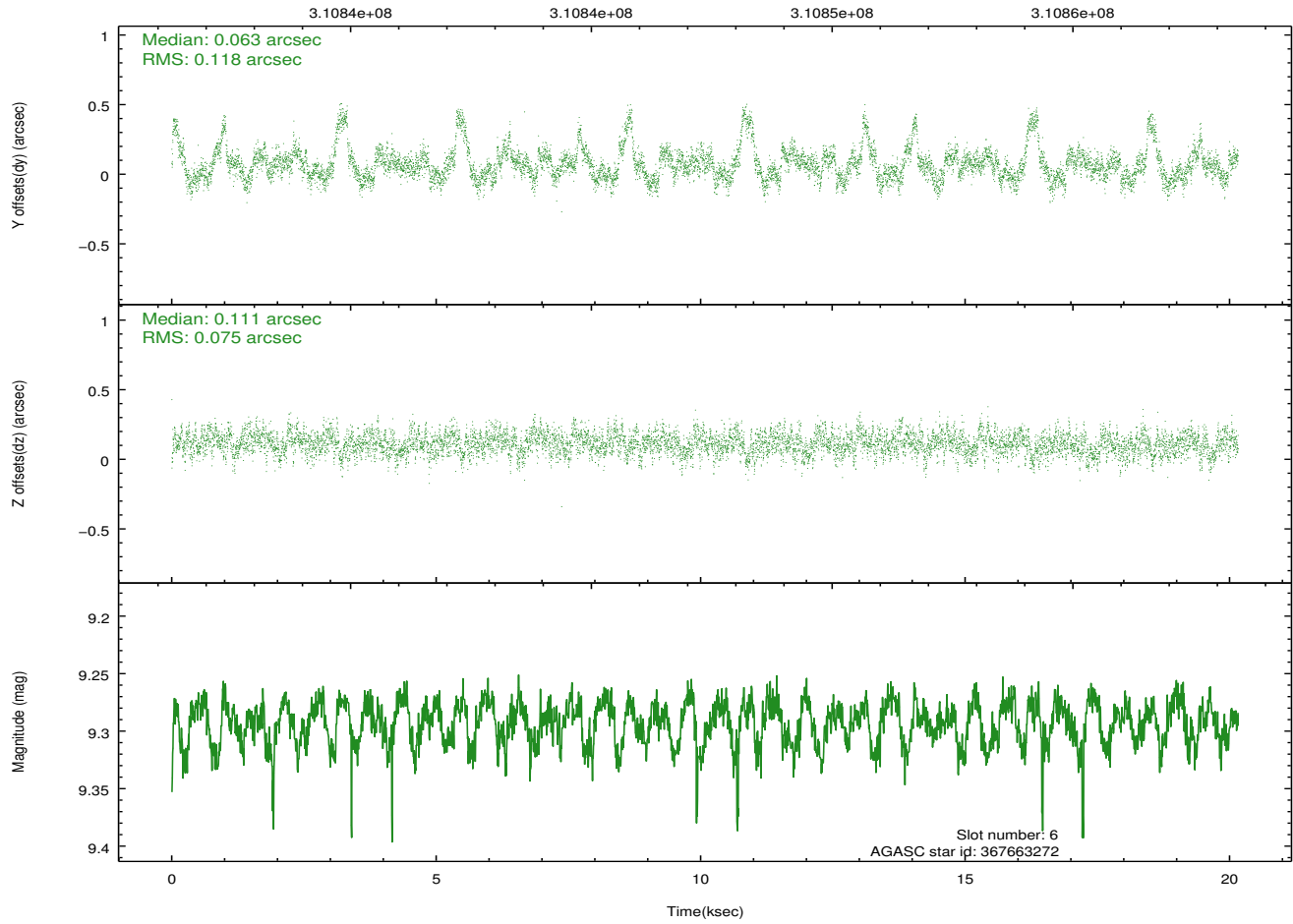
2.4.3 Slot 5



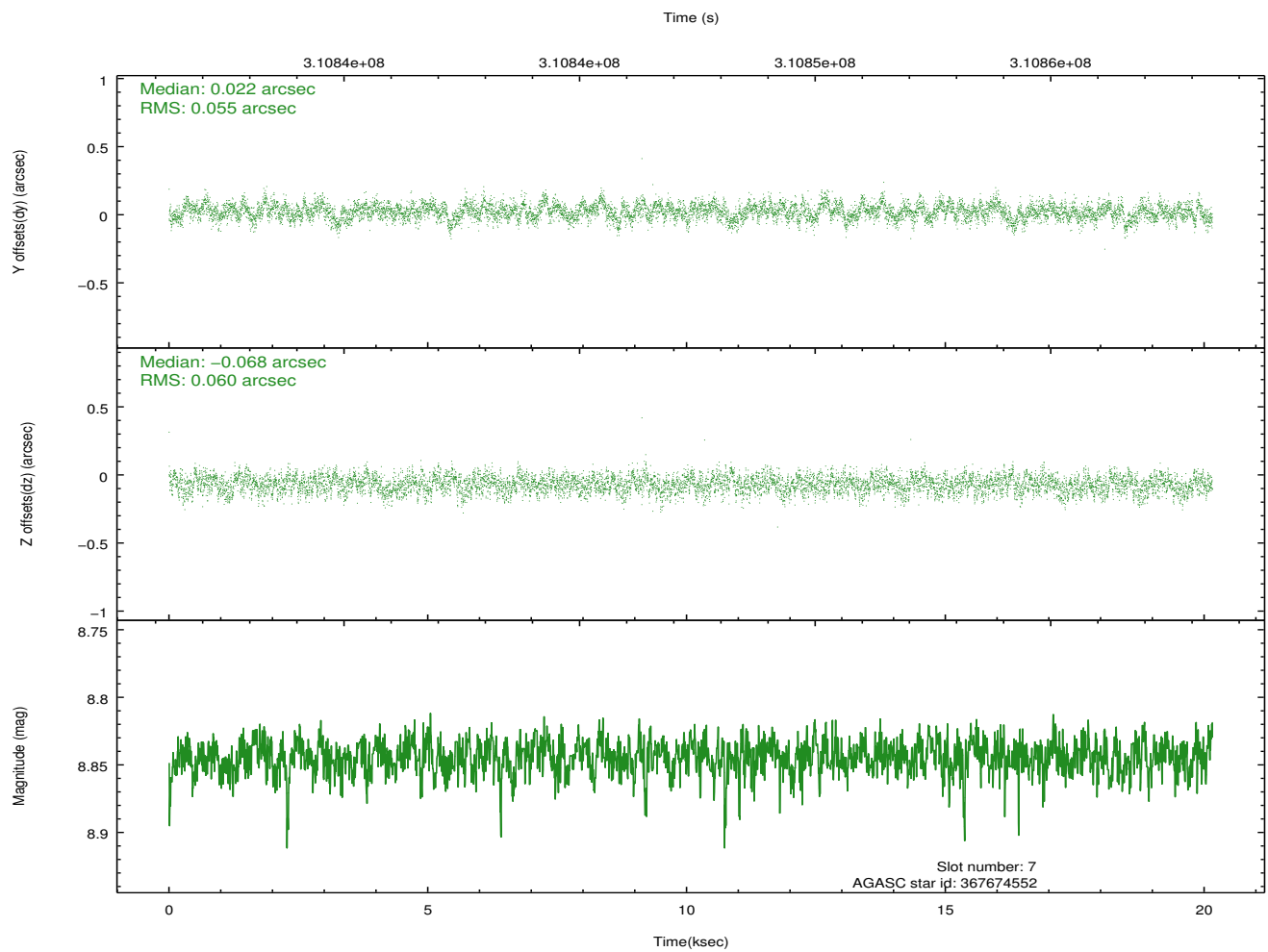
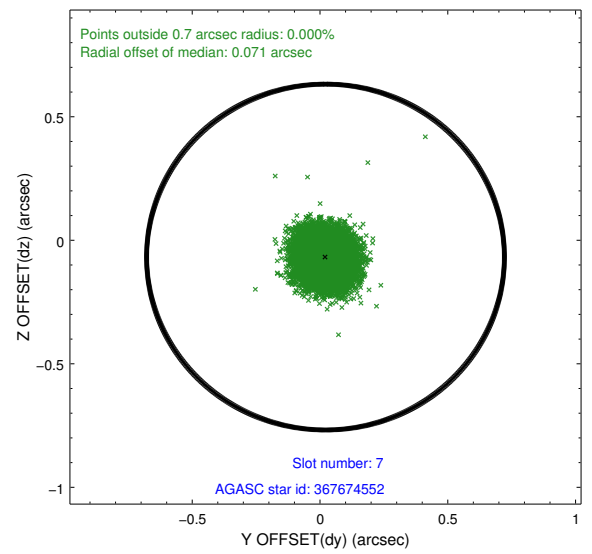
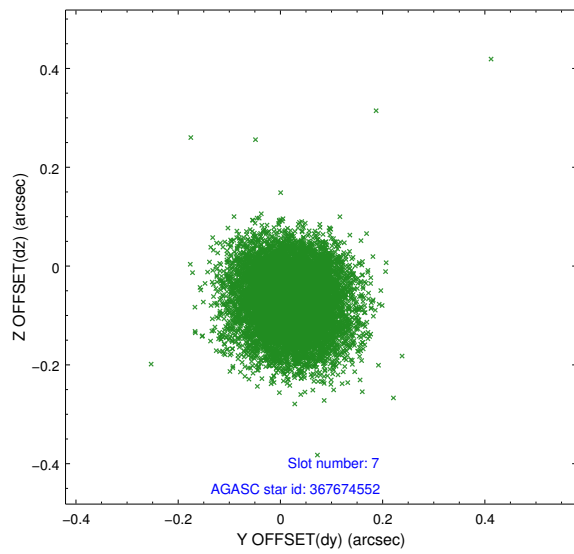
2.4.4 Slot 6



Time (s)

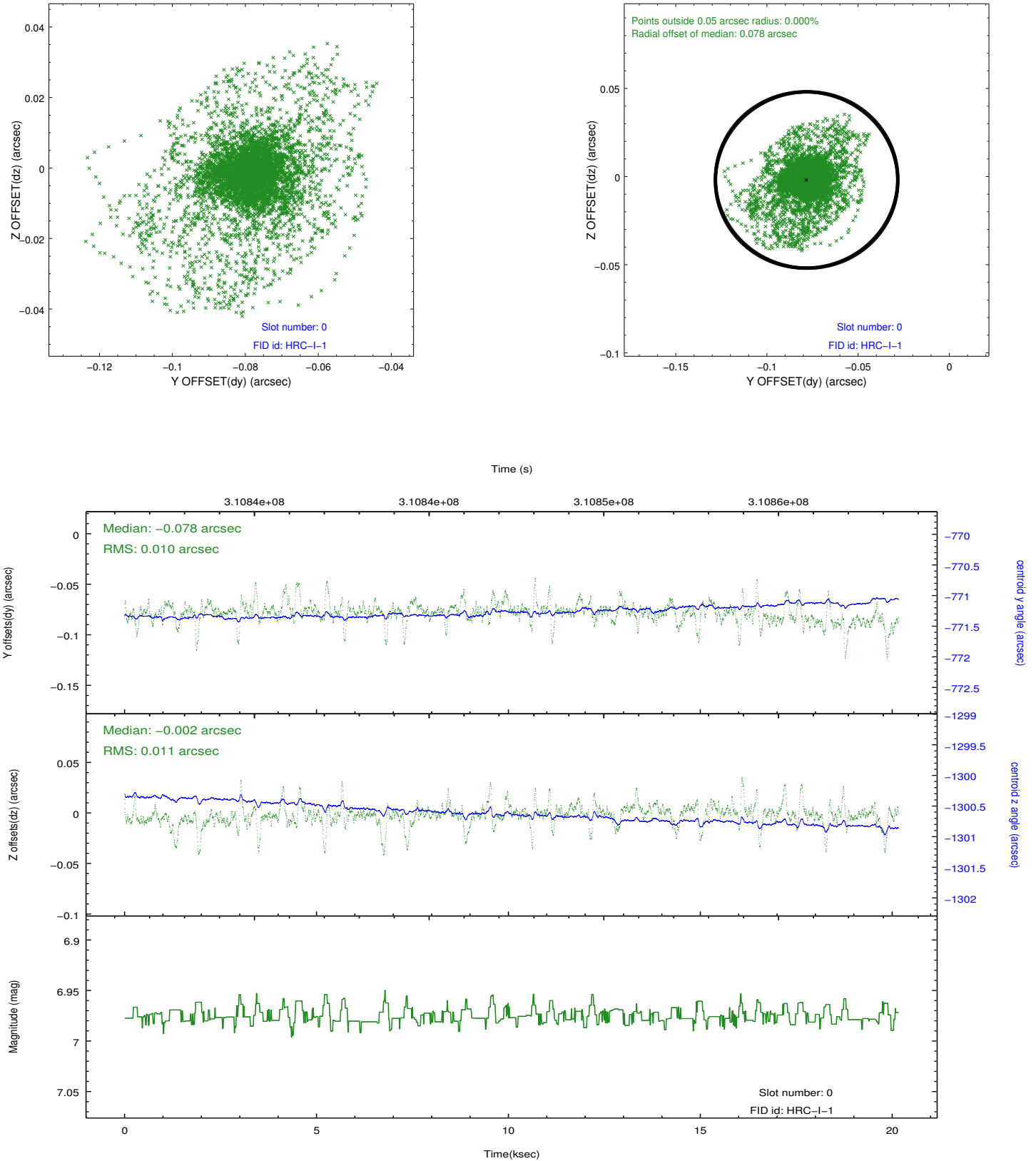


2.4.5 Slot 7

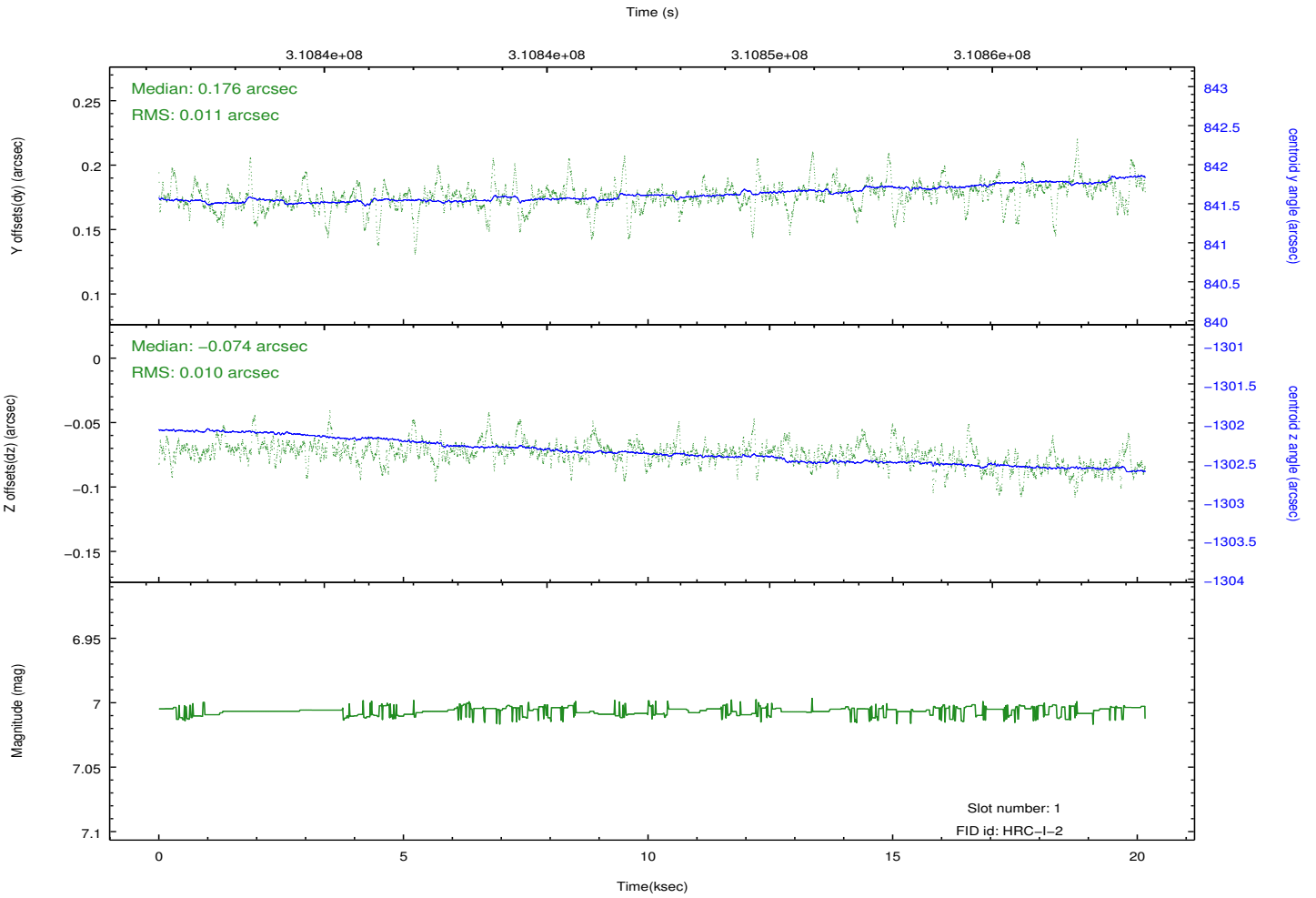
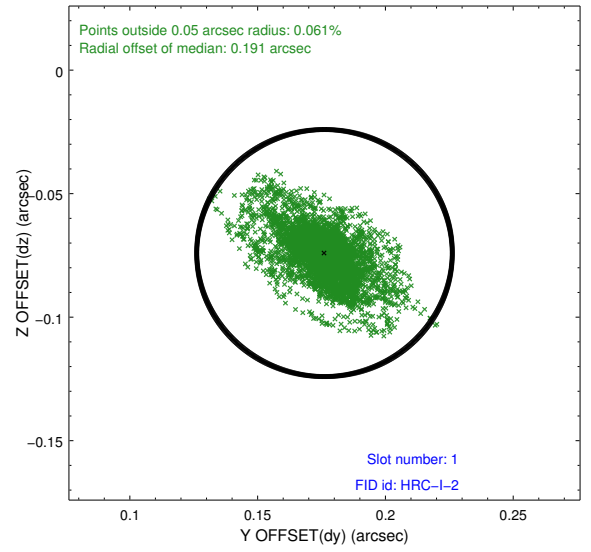
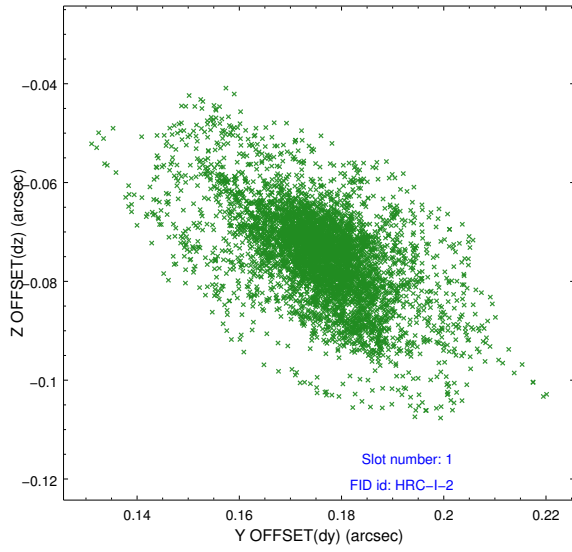


2.5 FID Slots

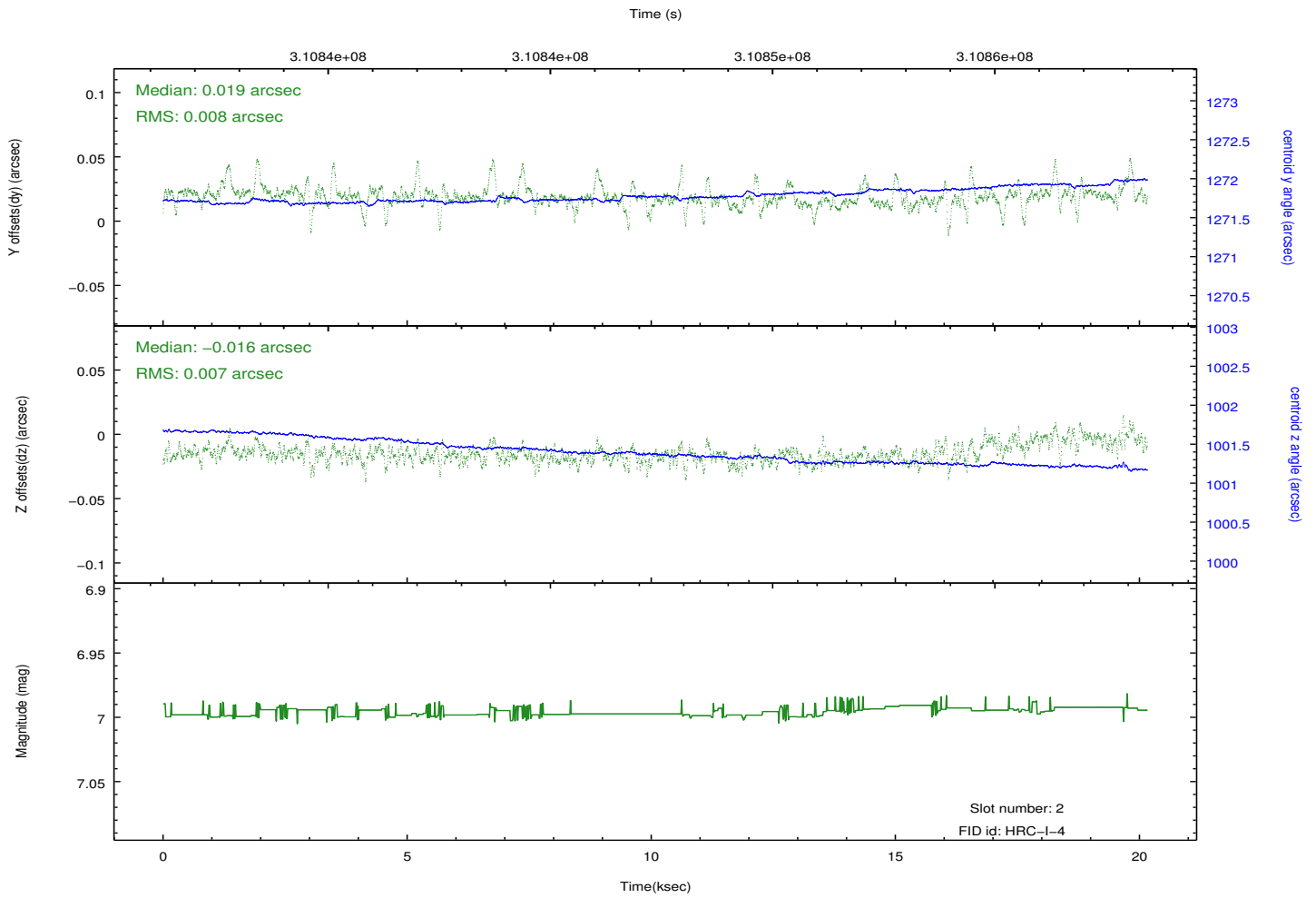
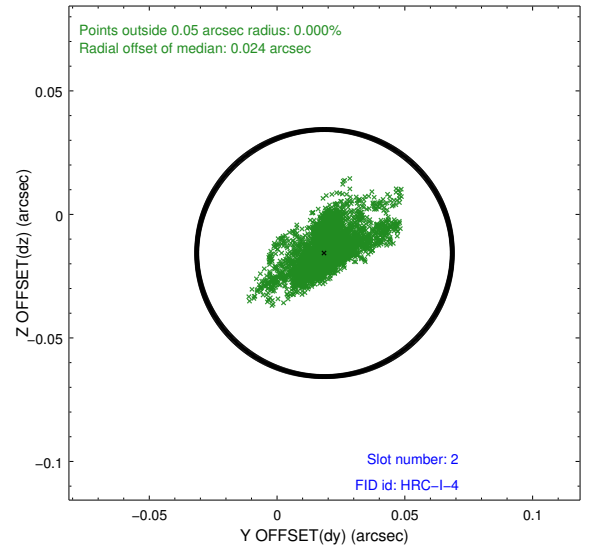
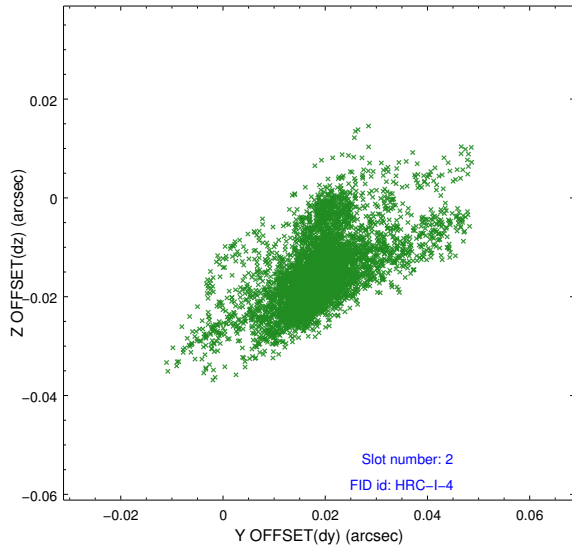
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.1589322

A.2 Comments

Joint proposal with XMM.

Window preference met.