

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 14563 - L2 Version 2
Chandra X-Ray Center

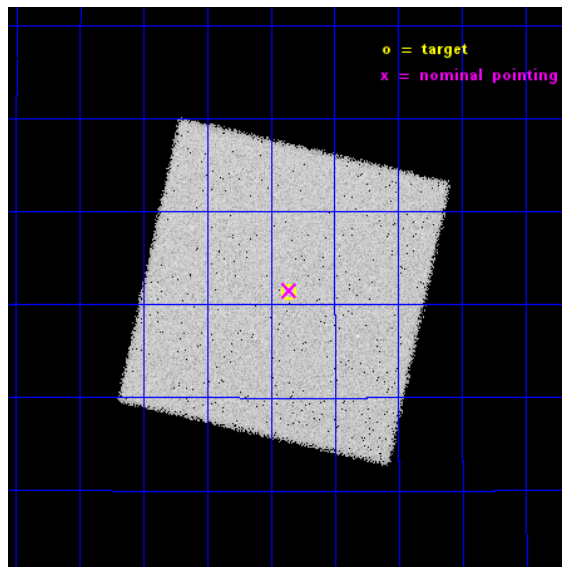
L2 Processing Date : Dec 2 2014

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1 Front

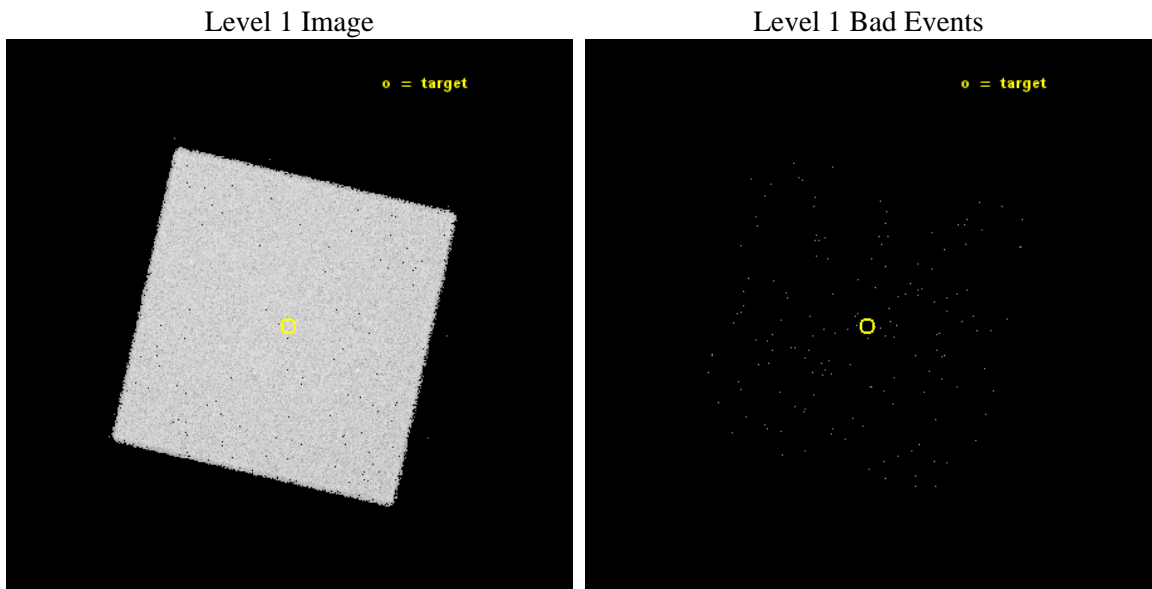
seq_num	200864	Sequence number
obs_id	14563	Observation id
title	Search for X-ray emission from a sample of luminous O-type subdwarfs	
observer	Mr. Nicola La Palombara	Principal investigator
object	BD+18 2647	Source name
ra_targ	190.465833	Observer's specified target RA [deg]
dec_targ	17.522167	Observer's specified target Dec [deg]
ra_nom	190.46344677085	Nominal RA [deg]
dec_nom	17.525508266685	Nominal Dec [deg]
roll_nom	147.84283461004	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4127.9314730763	[s]
livetime	4096.3059093349	Ontime multiplied by DTCOR
l2events	236548	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	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	4127.9314730763	[s]
caldbver	4.6.4	 	l1events	416251	Number of level 1 events
date	2014-12-02T07:26:08	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

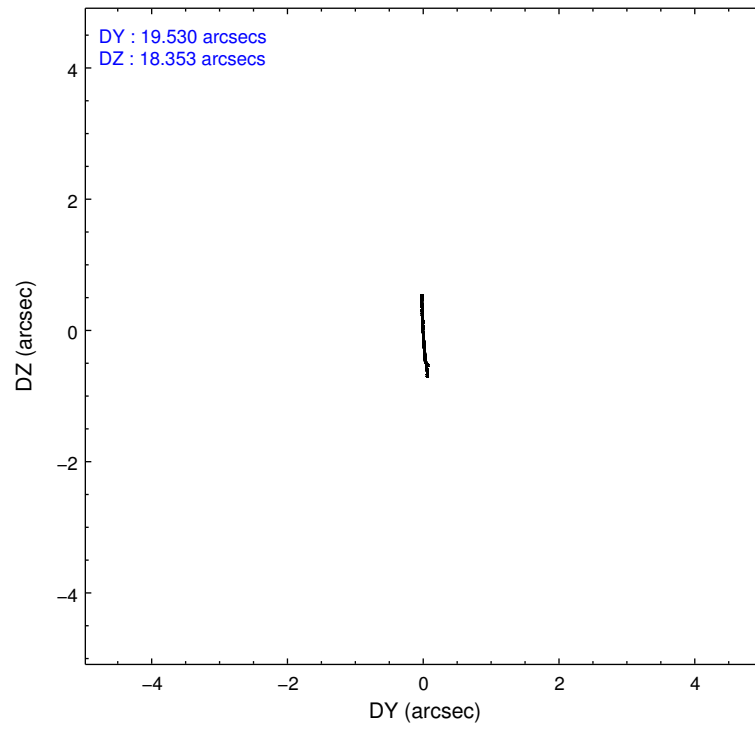
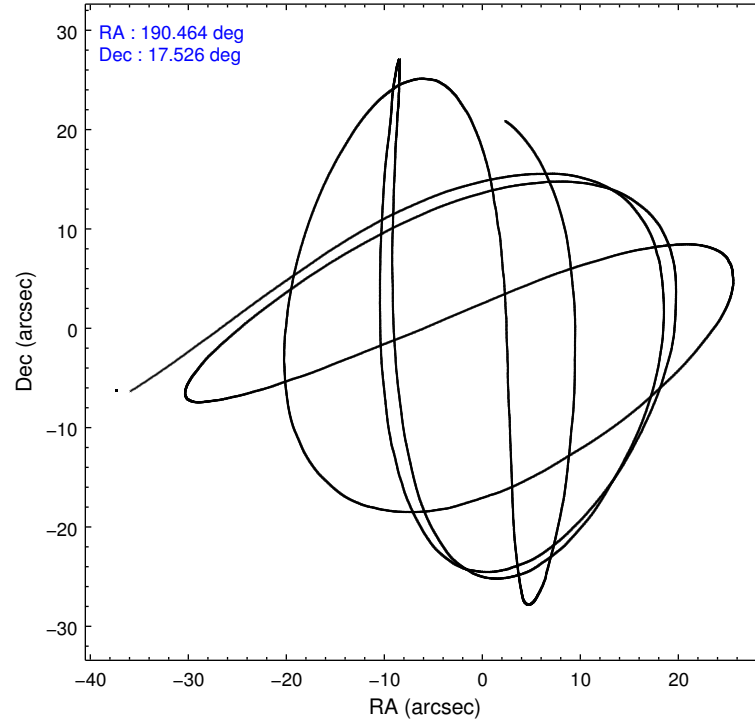
	segment 0
level 1 events	416251
rejected events	92984
rejected %	22%

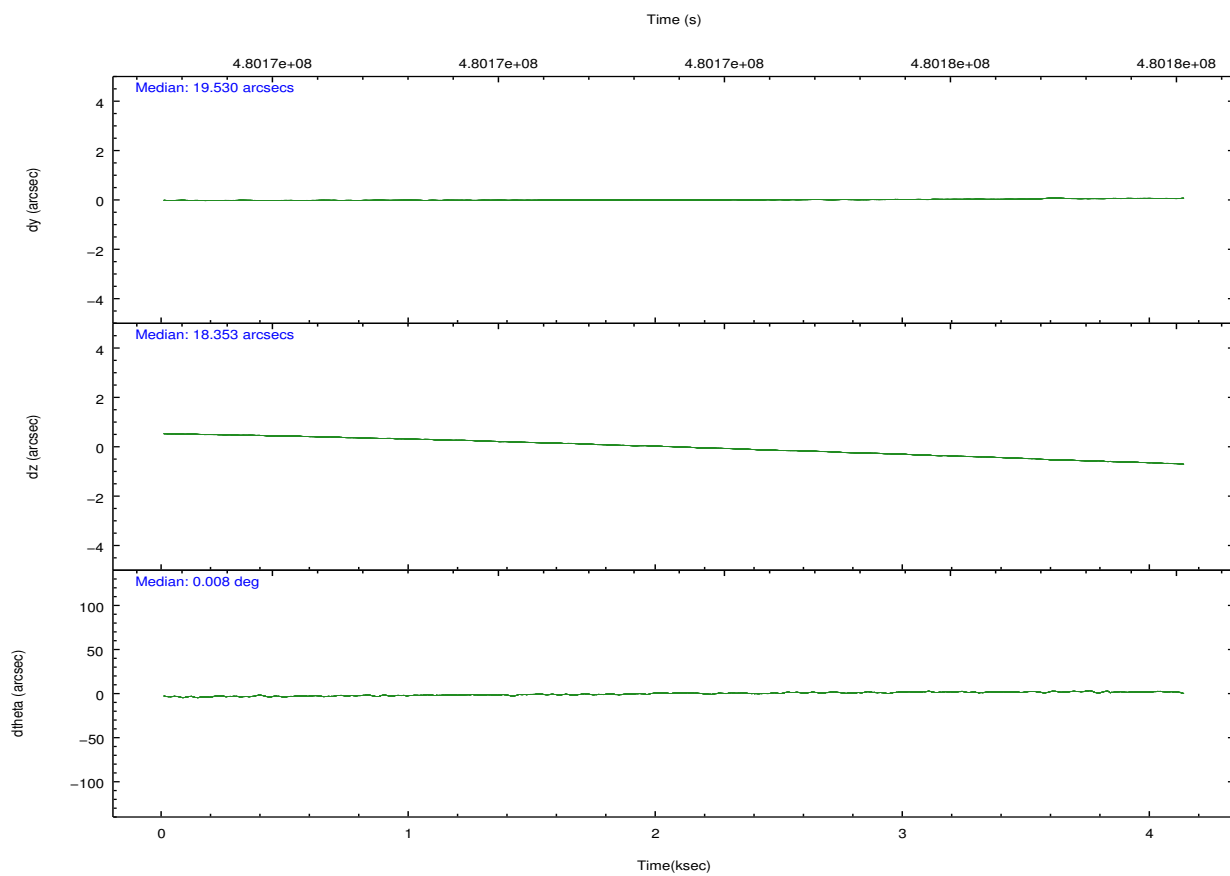
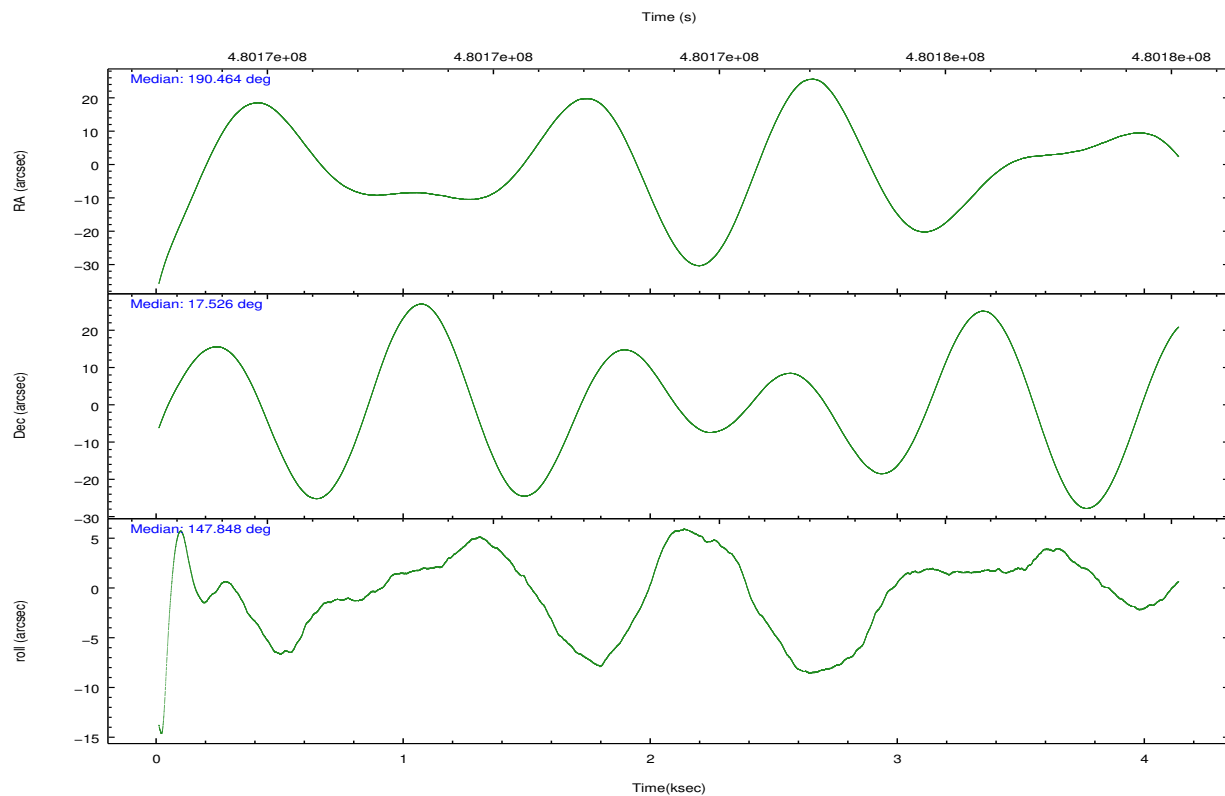
2.2 Compared Parameters

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	190.491735	190.4634467708486
[deg] Pointing Dec	17.525175	17.52550826668487
[deg] Pointing Roll	147.929882	147.8428346100412
[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)	480171851.184000	480170589.3827
Observation start date	2013-03-20T13:03:04	2013-03-20T12:43:09
[s] Observation end time (MET)	480175851.184000	480176407.28302
Observation end date	2013-03-20T14:09:44	2013-03-20T14:20:07

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

2.3 Aspect



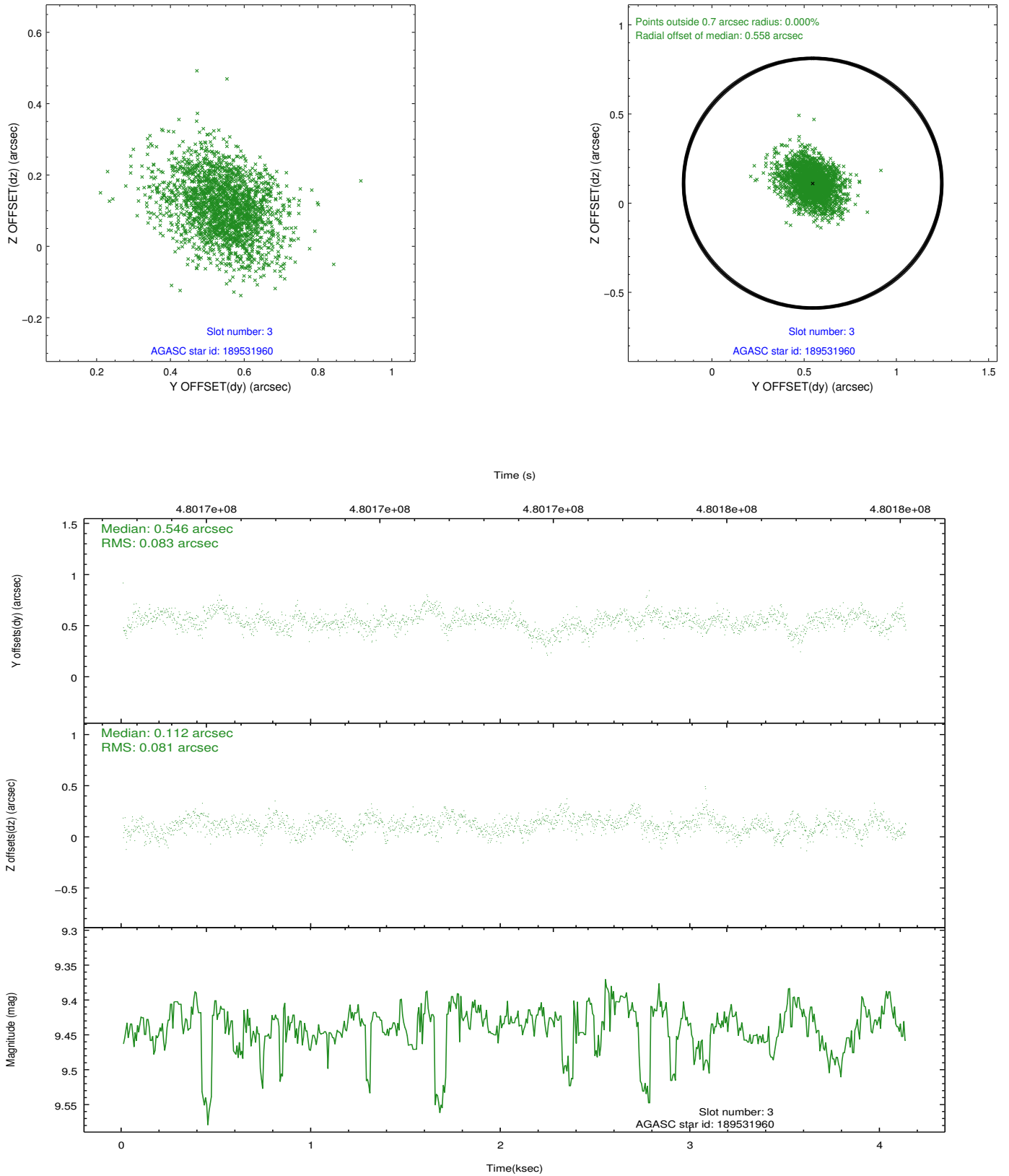


Slot Statistics

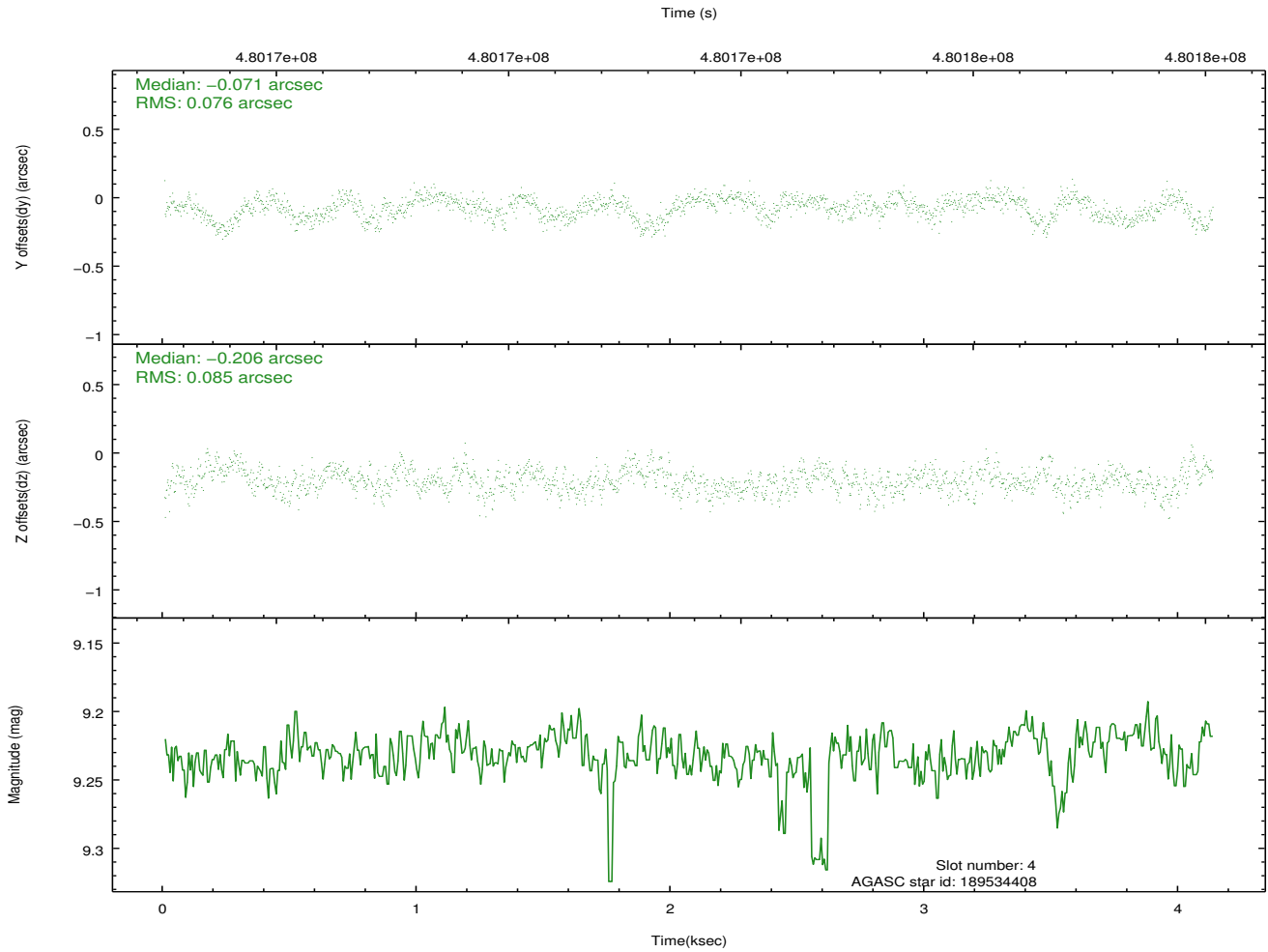
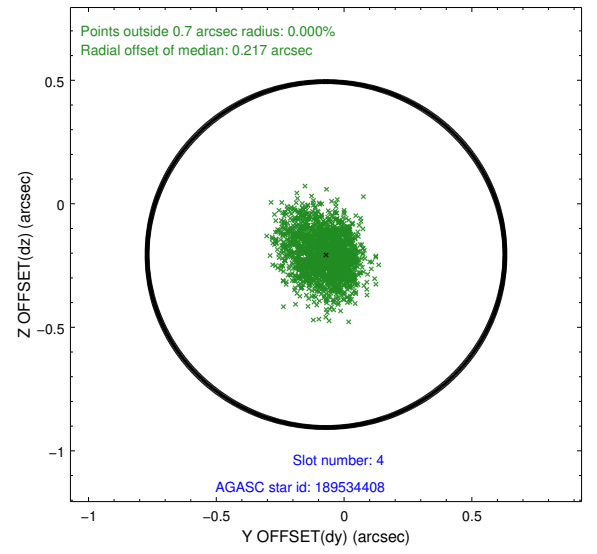
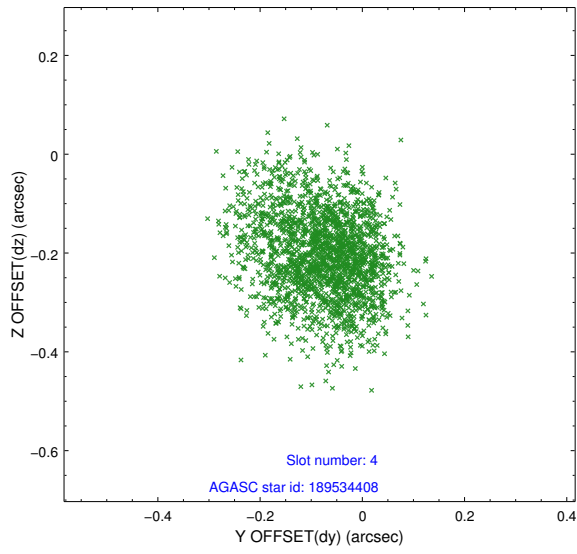
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.00	1007	-0.104	0.045	0.011	0.019	0.000000	0.000000	-775.55	-1306.47
1	FID		HRC-I-2	7.05	1007	0.276	-0.153	0.014	0.024	0.000000	0.000000	836.69	-1309.51
2	FID		HRC-I-3	7.09	1007	-0.054	0.017	0.014	0.023	0.000000	0.000000	-1203.18	996.76
3	GUIDE	used	189531960	9.44	1996	0.546	0.112	0.122	0.204	190.815463	17.098020	-1757.58	711.82
4	GUIDE	used	189534408	9.23	2005	-0.071	-0.206	0.123	0.199	190.843395	17.828497	-440.23	-1565.23
5	GUIDE	used	189542224	9.13	2006	-0.271	0.218	0.131	0.208	190.259731	18.115027	1801.64	-1378.36
6	GUIDE	used	189546776	8.70	2014	-0.131	-0.350	0.091	0.149	191.177816	17.700495	-1654.21	-1787.95
7	GUIDE	used	189543656	8.99	2012	-0.061	0.220	0.102	0.172	190.418507	18.333182	1757.30	-2332.27

2.4 Star Slots

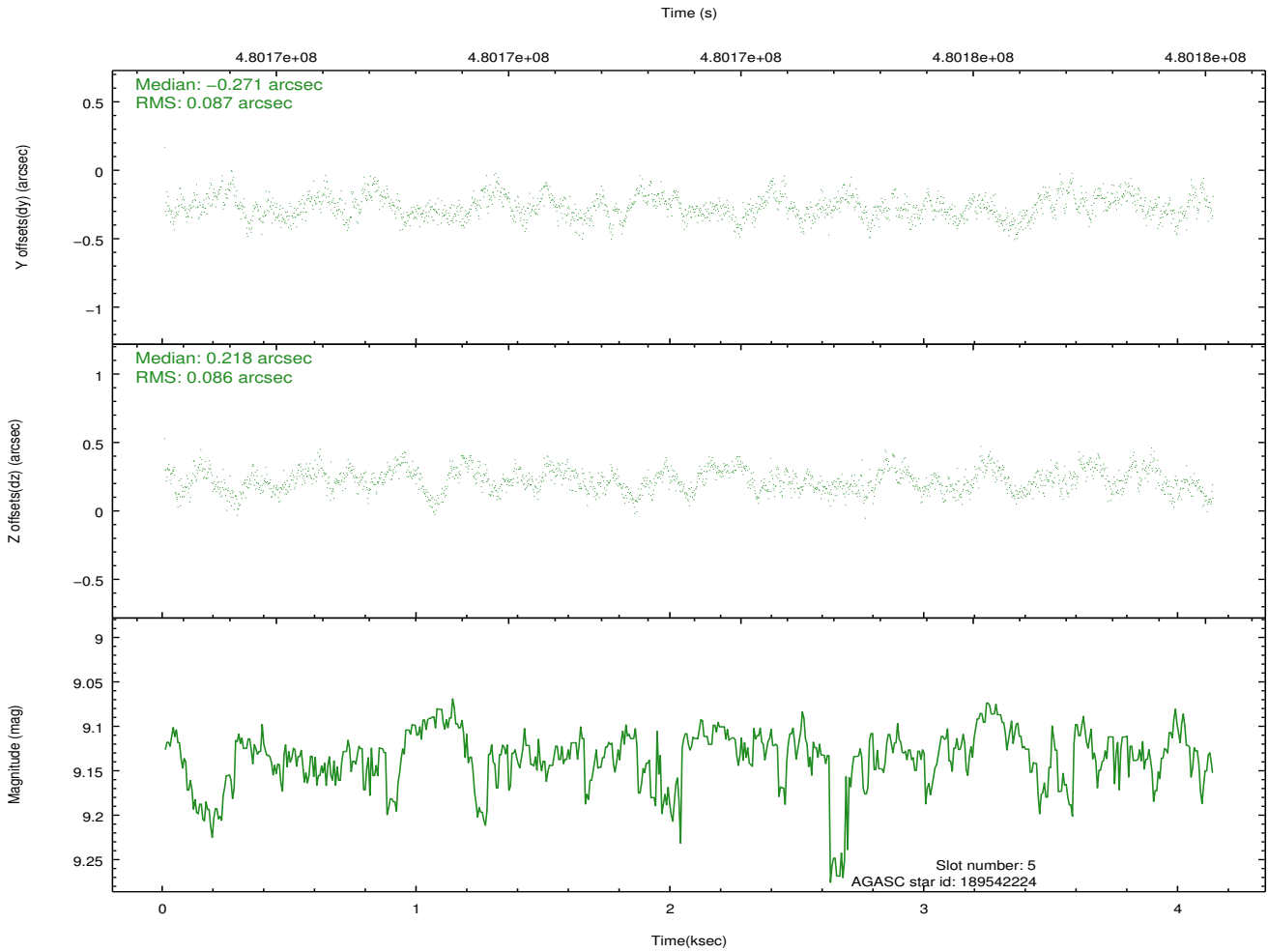
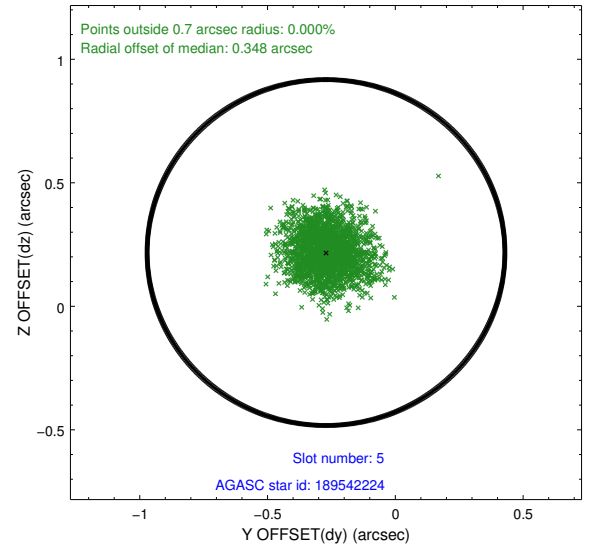
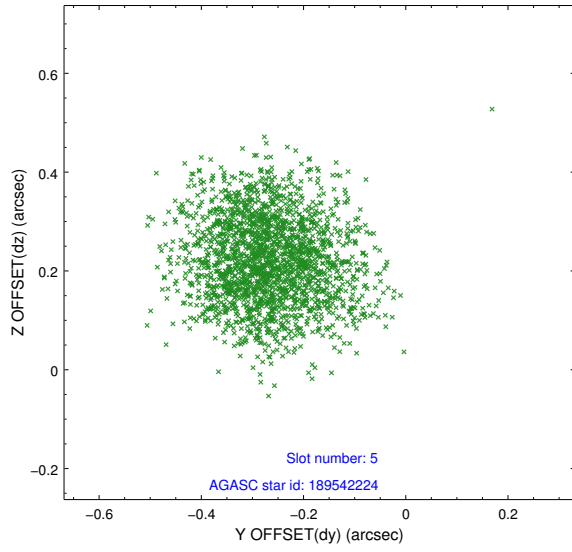
2.4.1 Slot 3



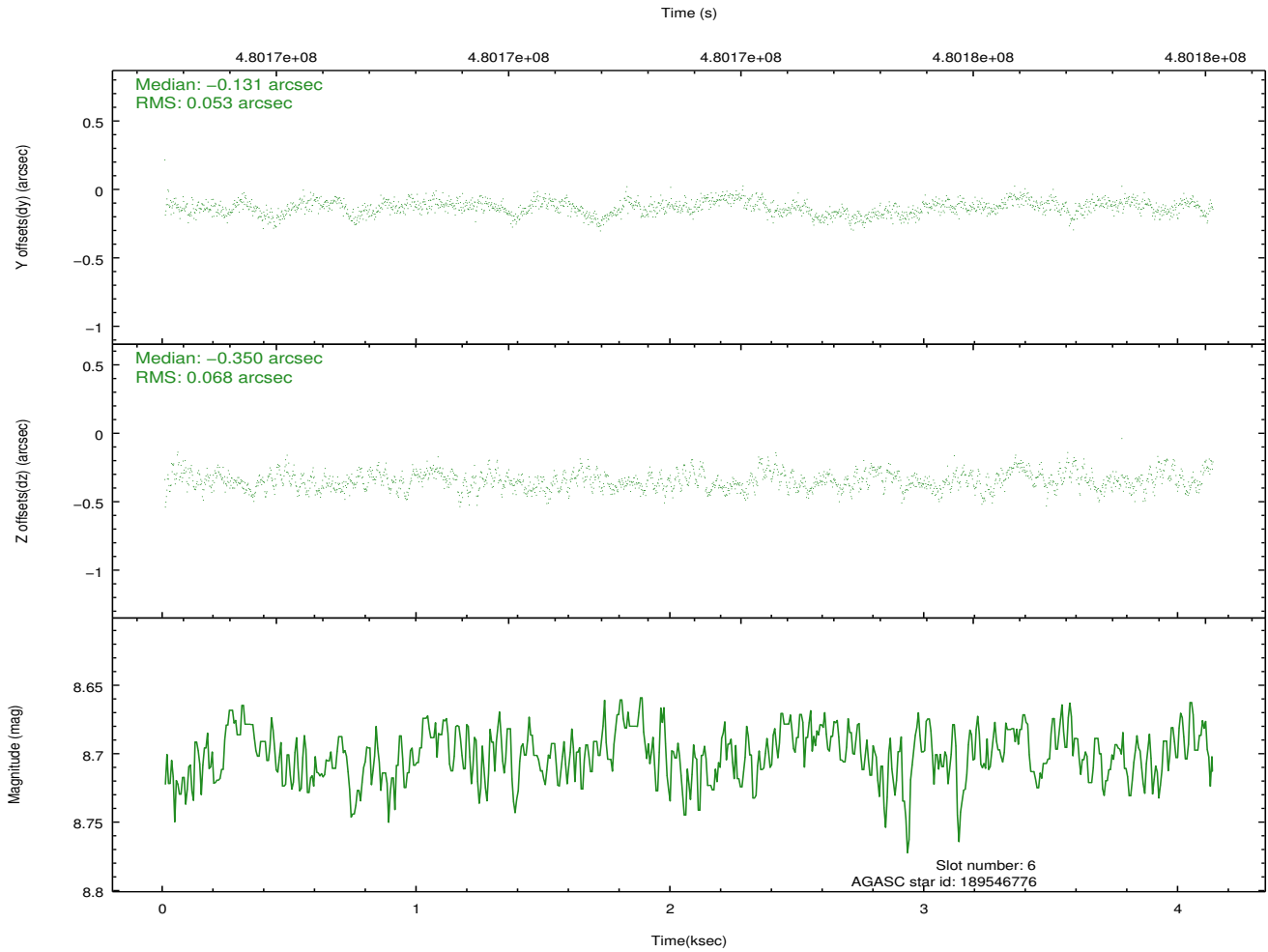
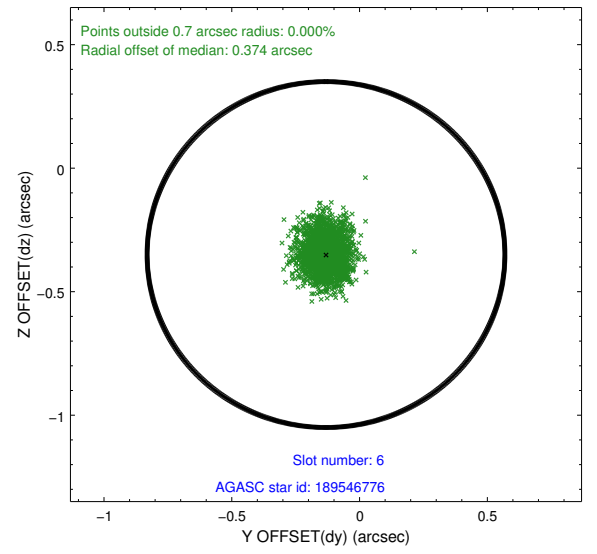
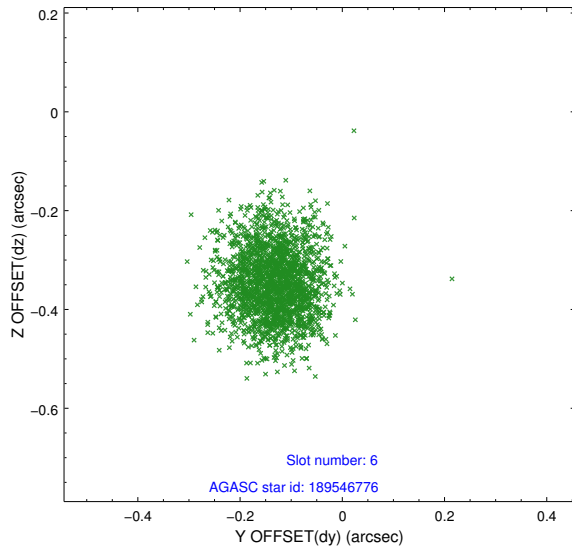
2.4.2 Slot 4



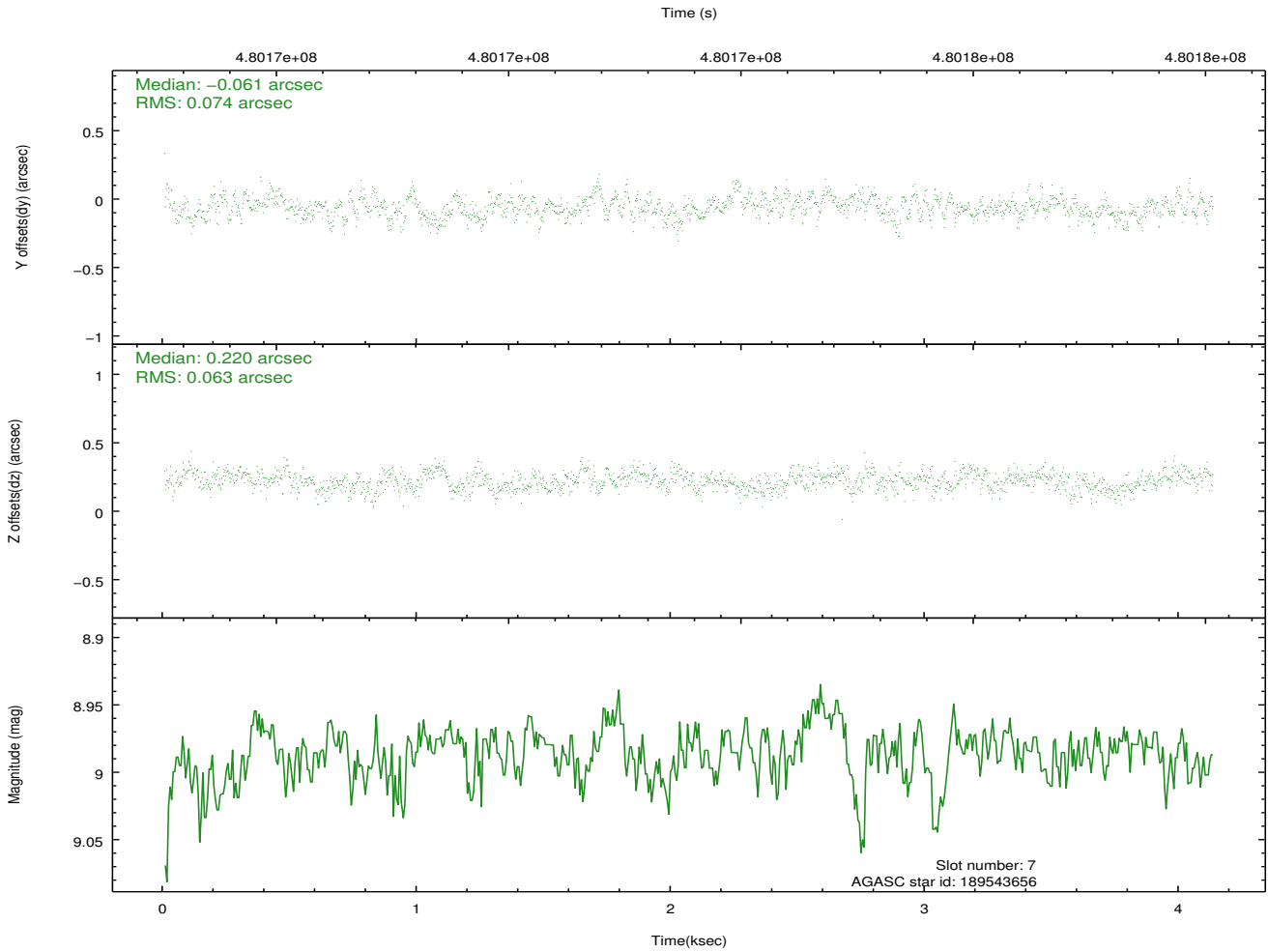
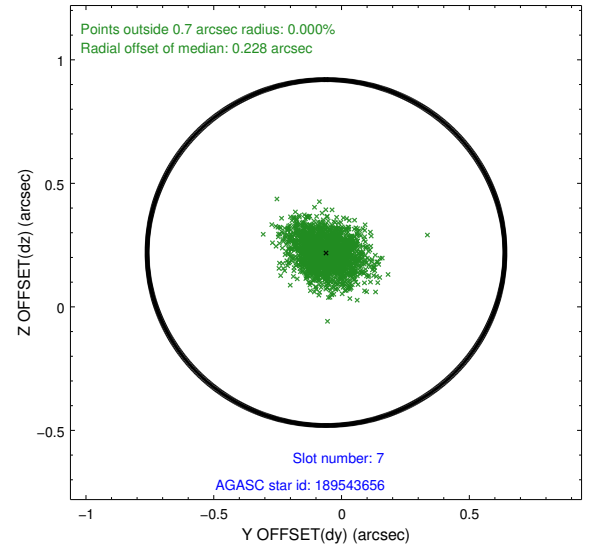
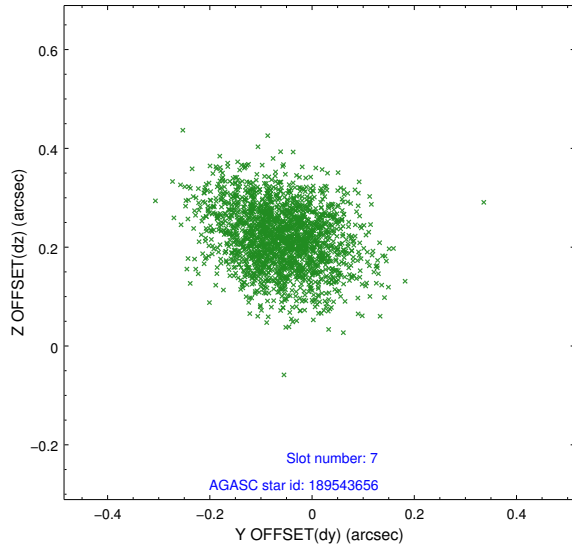
2.4.3 Slot 5



2.4.4 Slot 6

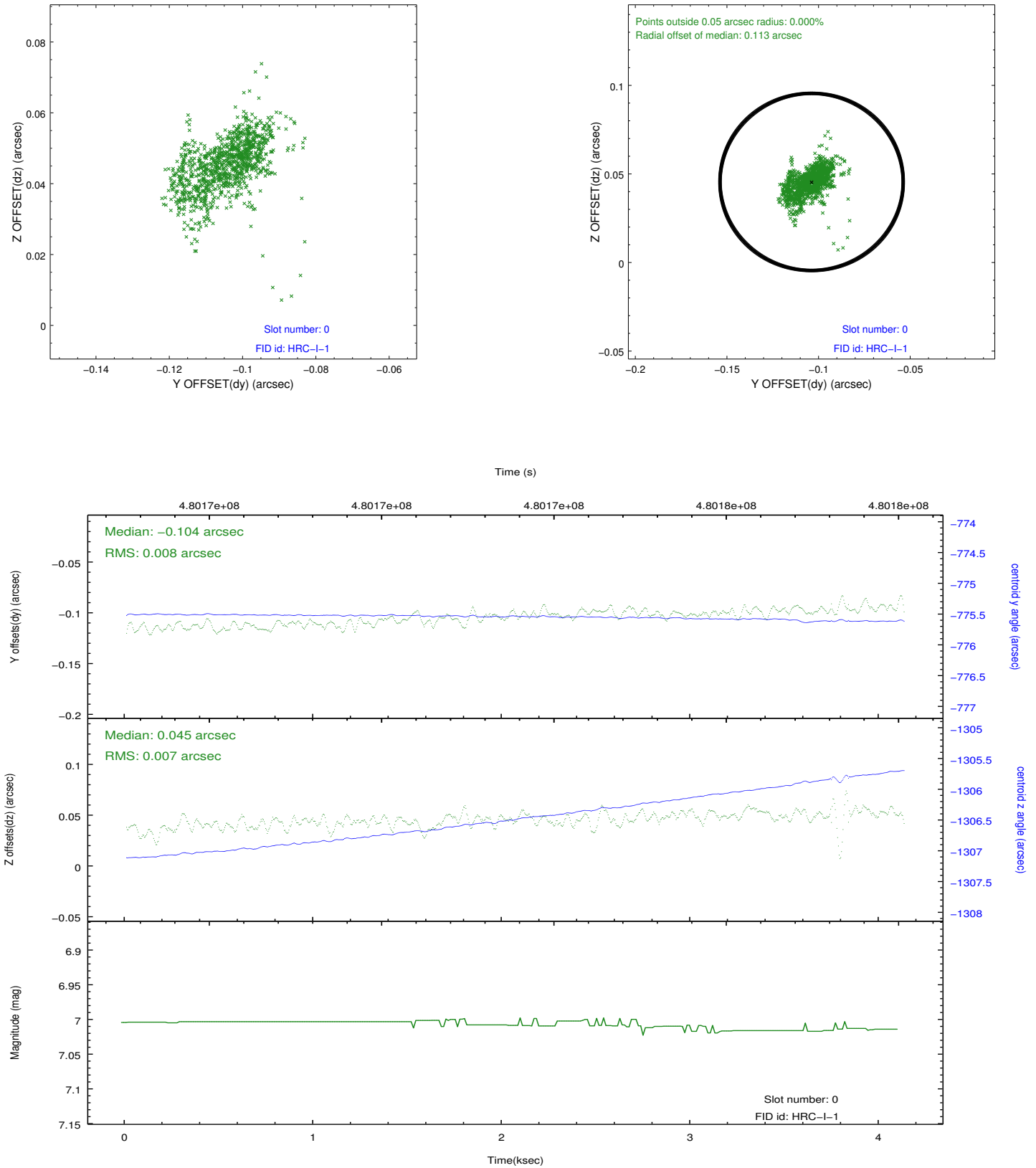


2.4.5 Slot 7

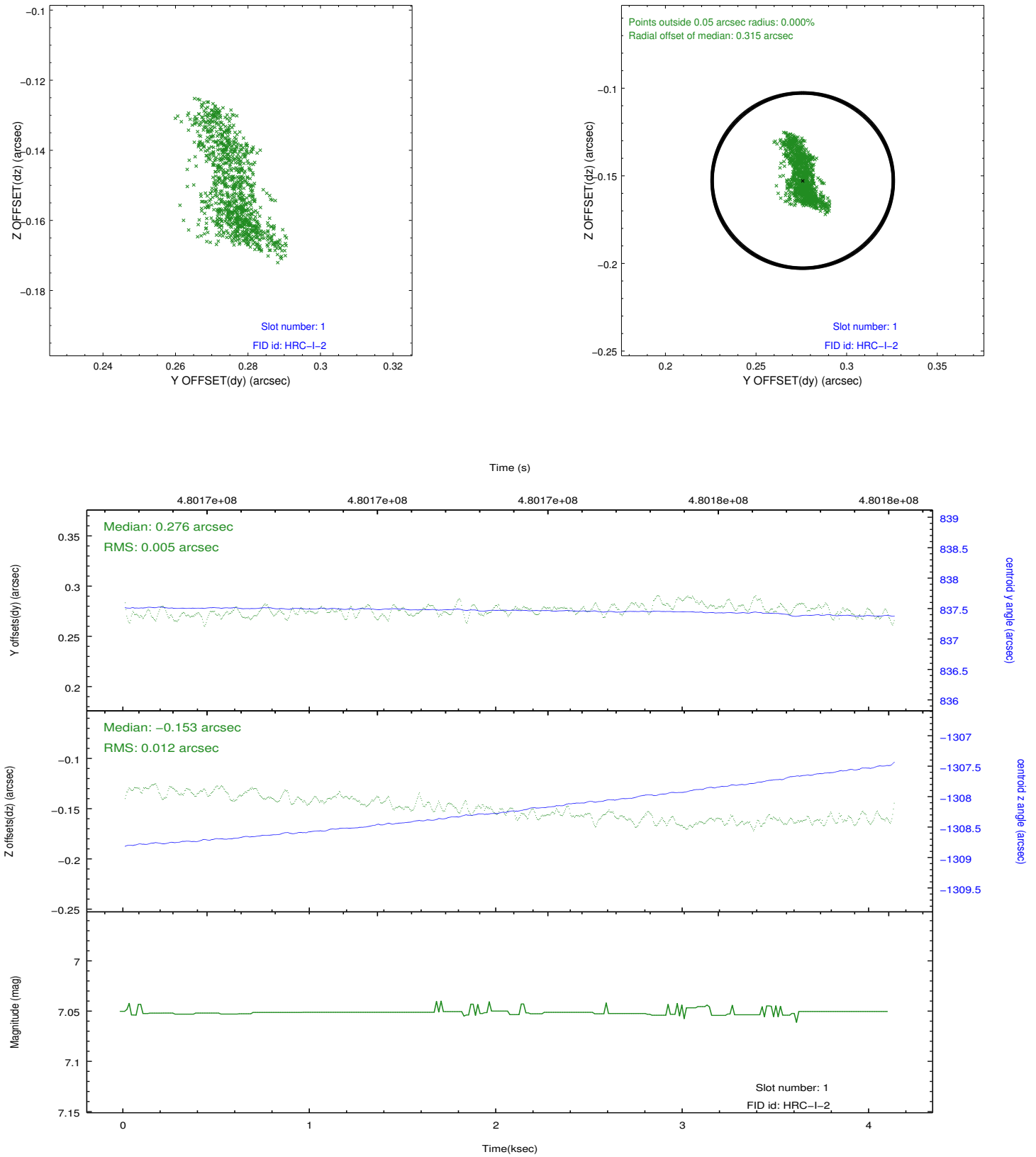


2.5 FID Slots

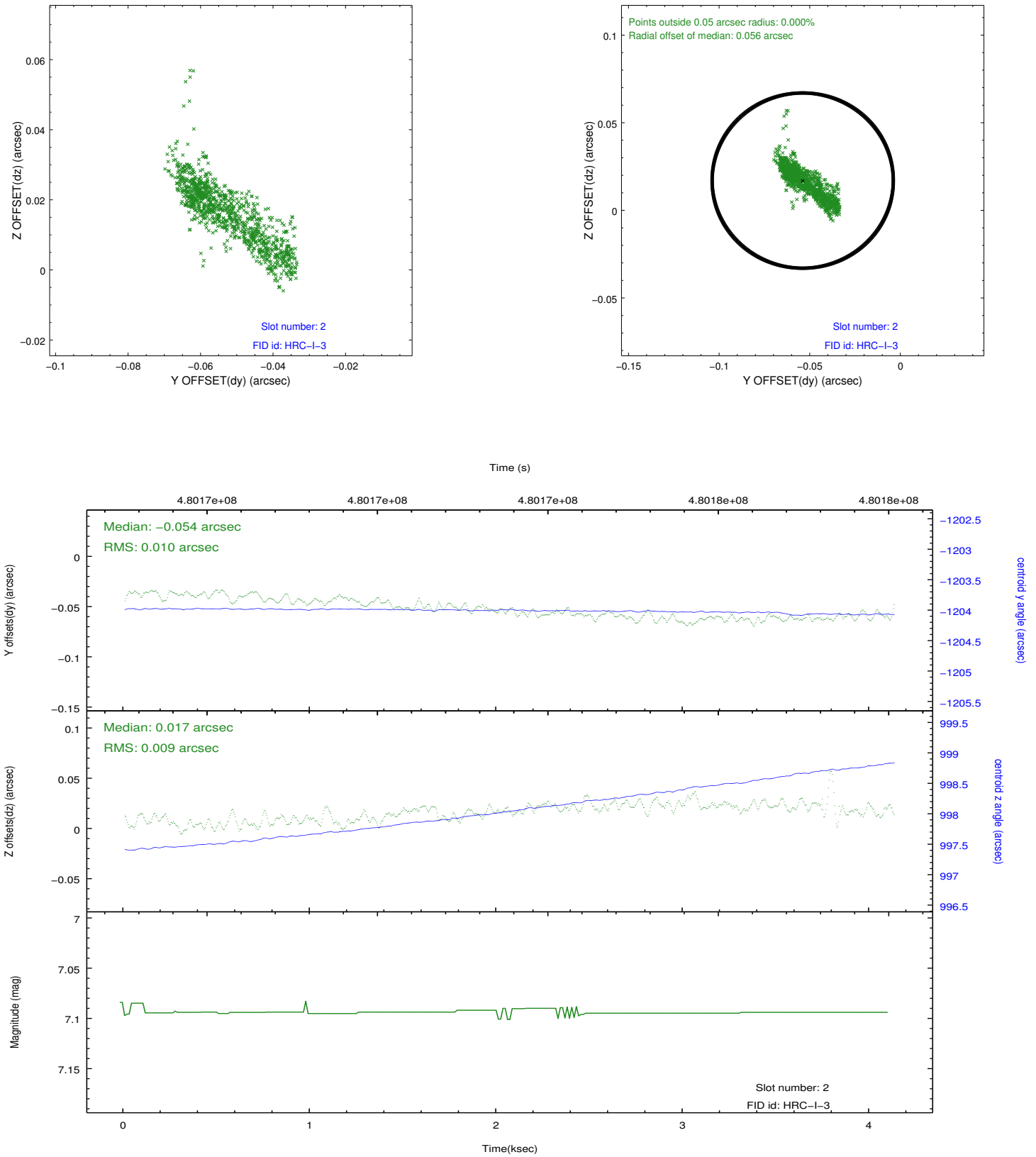
2.5.1 Slot 0



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)	2014.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1279314730763

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.