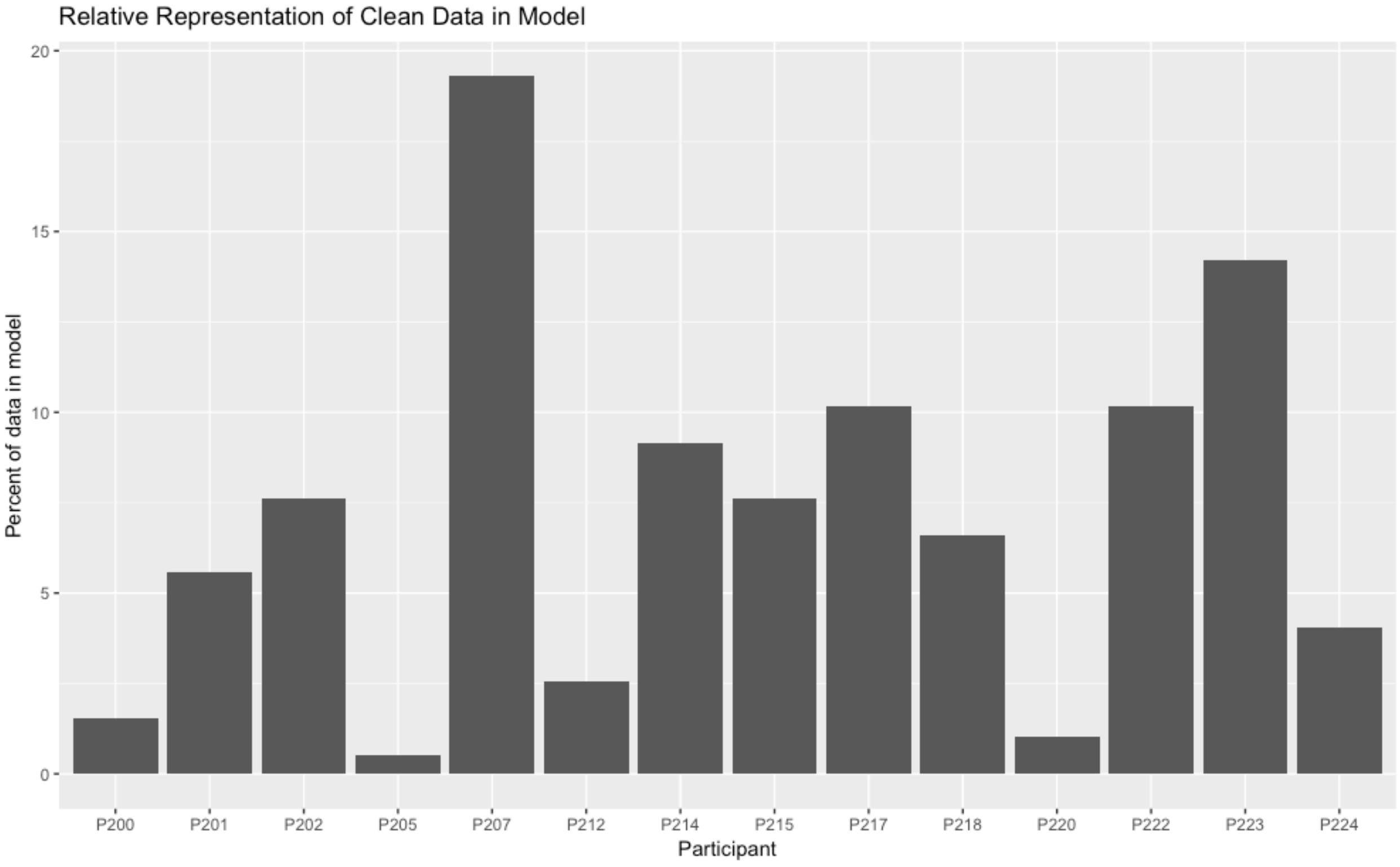
Examining Outliers and Raw Data Plots


Relative Representation of Clean Data in Model
Percent of data in model
20
15
10
5
0
P200
P201
P202
P205
P207
P212
P214
P215
P217
P218
P220
P222
P223
P224
Participant


Examining Outliers in All Data
vlf_sd
vlf_m
ulf_sd
ulf_m
sdsd
sdrrnix
sdrrn
sdarrn
rmssd
pnn50
meanrr
madrr
lfhf_sd
lfhf_m
lf_sd
lf_m
irrr
hr
hlf_m
hl_sdf
Episodes
Controls
Variable
0
0
20000
40000
60000
Value

Medians —>

Y	1	0
hr	77.95447	79.12229
meanrr	781.7801	772.9163
sdnn	68.66829	63.71752
sdann	28.17519	25.58437
sdnnix	54.29133	53.07234
pnn50	0.1596639	0.1490737
sdsd	65.24892	69.39054
rmssd	65.20845	69.29827
irrr	62.50405	62.50387
madrr	0	0
ulf_m	68.10061	68.37451
vlf_m	244.6590	238.1218
lf_m	262.6288	278.2638
hlf_m	160.9320	173.1812
lfhf_m	3.686334	3.314911
ulf_sd	117.3242	118.2305
vlf_sd	316.5434	309.9610
lf_sd	308.6345	369.8152
hl_sdf	146.9325	152.0731
lfhf_sd	6.458397	6.712135

<—Different—>
<—Different—>
<—Different—>
<—Different—>
<—Different—>
<—Different—>
<—Different—>

Means —>

Y	1	0
hr	80.64915	80.13355
meanrr	797.0424	843.1795
sdnn	462.1241	1065.5664
sdann	34.85242	33.96115
sdnnix	56.19160	55.99337
pnn50	0.1592248	0.1618490
sdsd	462.265	1073.288
rmssd	462.162	1073.215
irrr	74.71587	76.09876
madrr	0.4935202	0.5362969
ulf_m	108.2083	131.3712
vlf_m	312.0010	374.9153
lf_m	304.3401	322.5084
hlf_m	192.5289	208.4734
lfhf_m	4.432129	3.995297
ulf_sd	492.0350	795.1599
vlf_sd	705.4353	1174.5918
lf_sd	370.8138	405.7255
hl_sdf	184.1519	200.4240
lfhf_sd	7.732791	7.421639

Medians —>

Y	1	0
hr	77.95447	79.12229
meanrr	781.7801	772.9163
sdnn	68.66829	63.71752
sdann	28.17519	25.58437
sdnnix	54.29133	53.07234
pnn50	0.1596639	0.1490737
sdsd	65.24892	69.39054
rmssd	65.20845	69.29827
irrr	62.50405	62.50387
madrr	0	0
ulf_m	68.10061	68.37451
vlf_m	244.6590	238.1218
lf_m	262.6288	278.2638
hlf_m	160.9320	173.1812
lfhf_m	3.686334	3.314911
ulf_sd	117.3242	118.2305
vlf_sd	316.5434	309.9610
lf_sd	308.6345	369.8152
hl_sdf	146.9325	152.0731
lfhf_sd	6.458397	6.712135

<—Different—>

<—Different—>

<—Different—>

<—Different—>

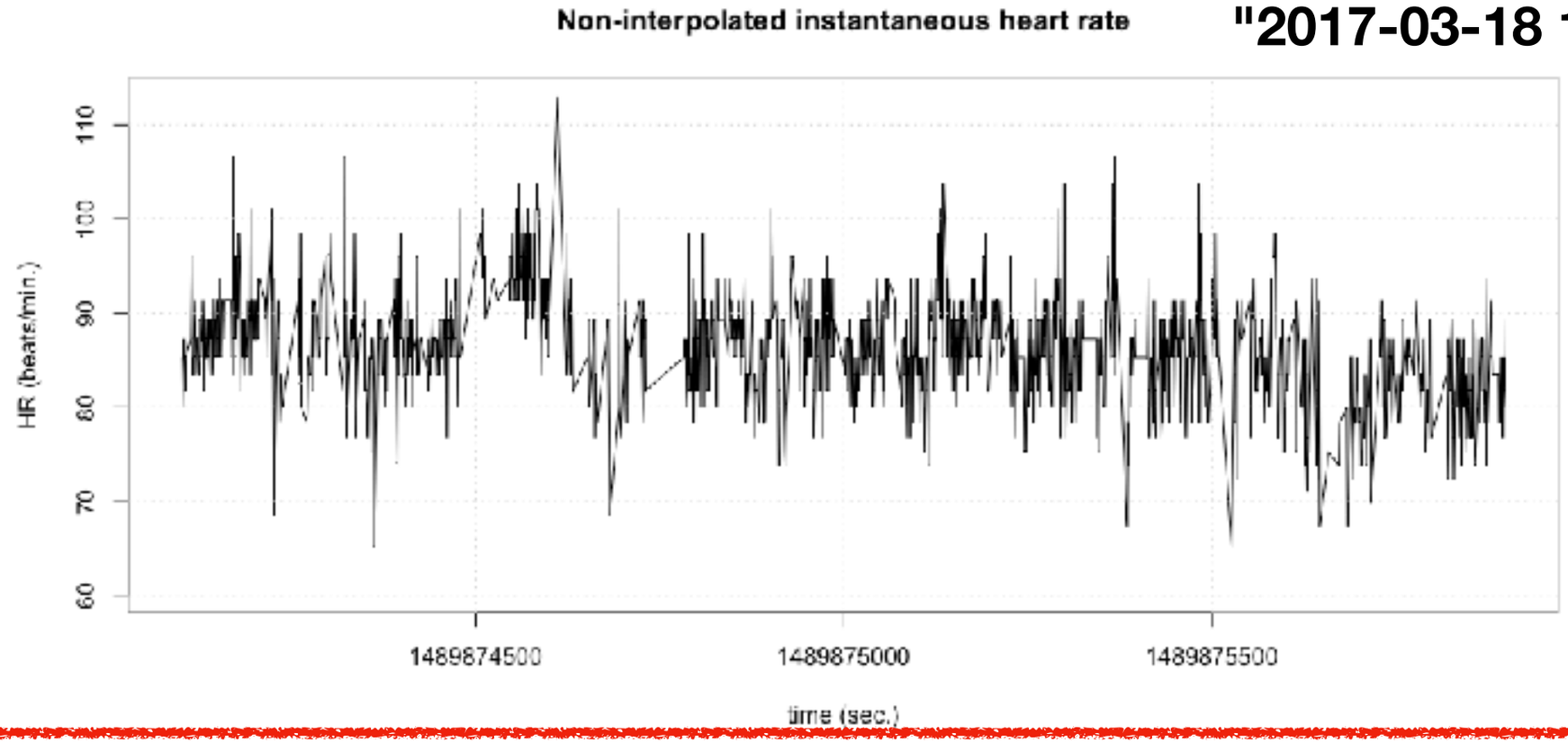
<—Different—>

Truncated Means —>

Y	1	0
hr	80.16497	79.64696
meanrr	782.3667	795.9386
sdnn	85.41348	84.26740
sdann	33.12901	30.92498
sdnnix	56.01435	55.19695
pnn50	0.1592248	0.1618490
sdsd	83.14617	86.62268
rmssd	82.87797	86.38226
irrr	73.07114	75.33288
madrr	0.0001166996	0.0001332339
ulf_m	84.76972	86.00000
vlf_m	285.5403	300.6396
lf_m	302.0003	318.4039
hlf_m	177.2488	197.4105
lfhf_m	3.876943	3.880195
ulf_sd	138.4329	144.0595
vlf_sd	370.2498	394.7010
lf_sd	366.4834	396.5986
hl_sdf	173.1255	189.4292
lfhf_sd	7.556890	7.421639

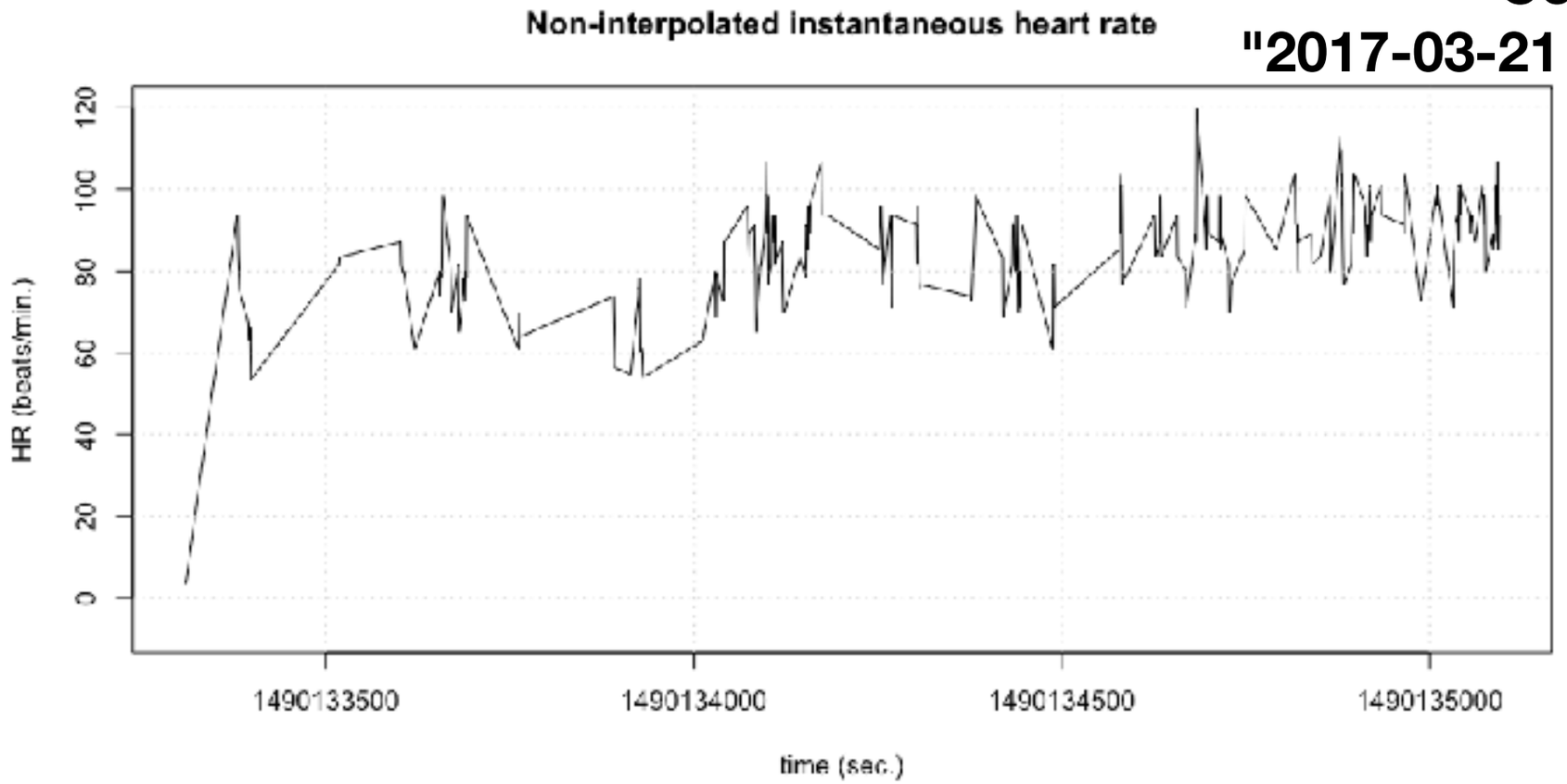
Participant 207

Eating Episode
"2017-03-18 17:25:00 UTC"



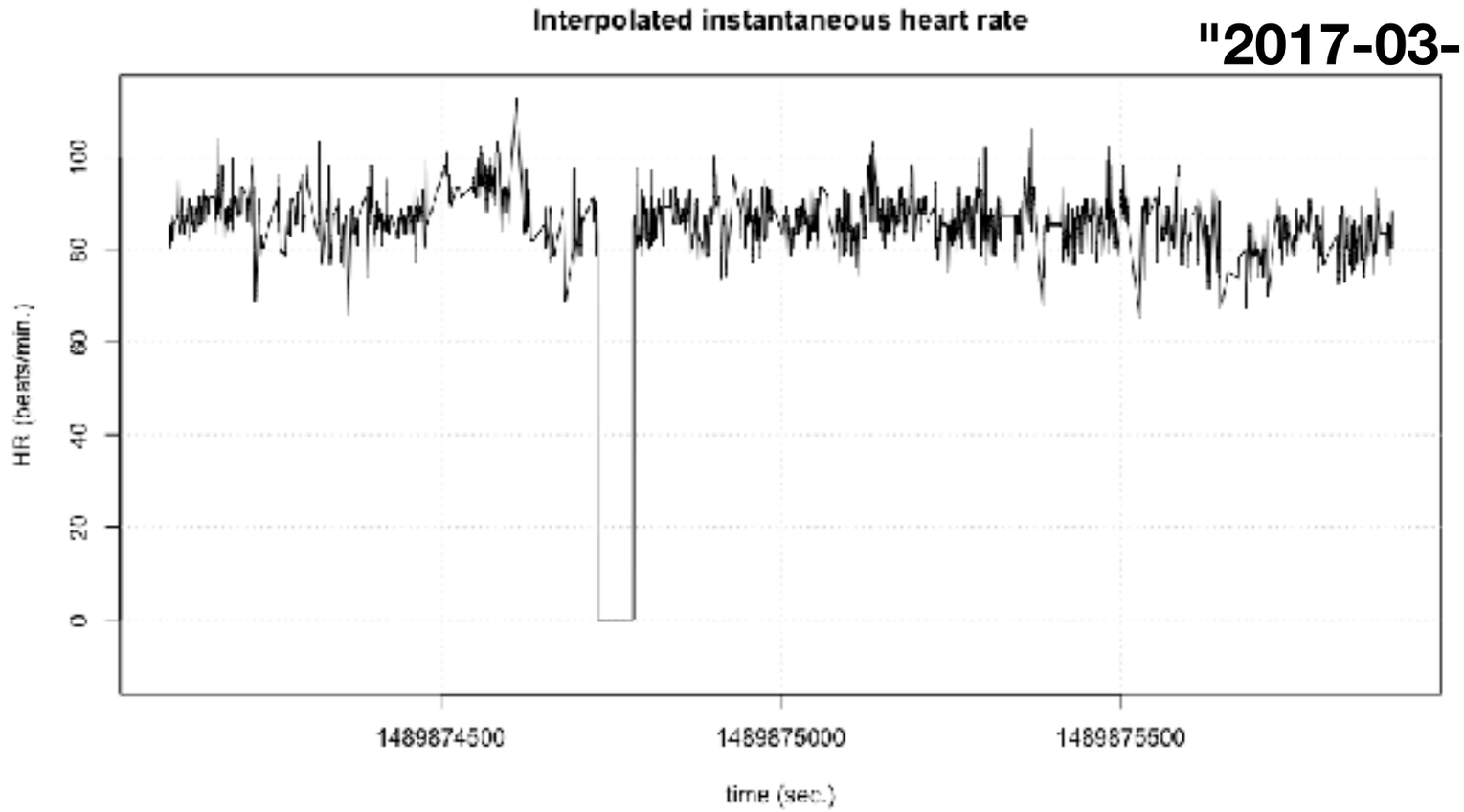
Downward trend

Control
"2017-03-21 05:29:34 UTC"



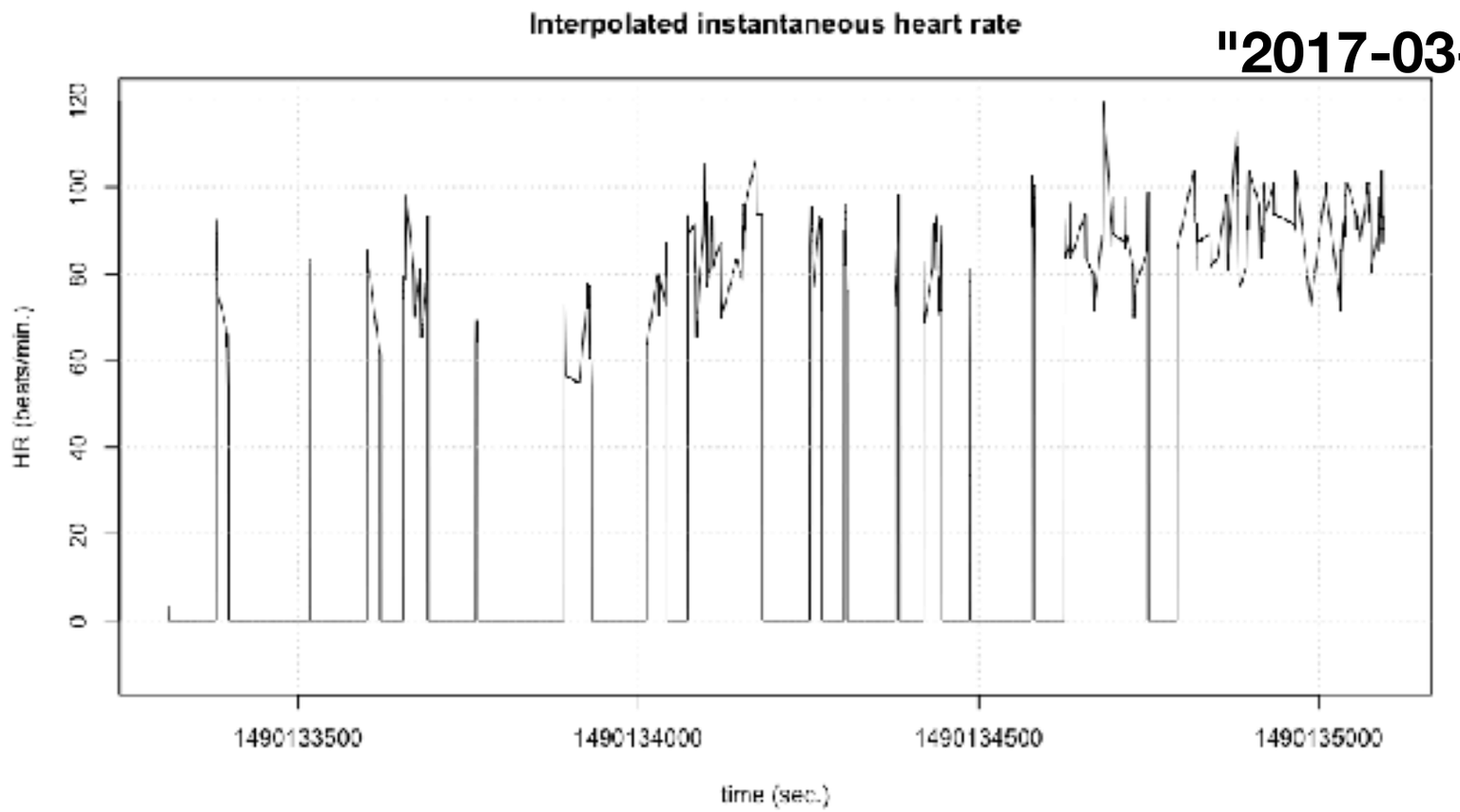
Upward trend

Eating Episode
"2017-03-18 17:25:00 UTC”



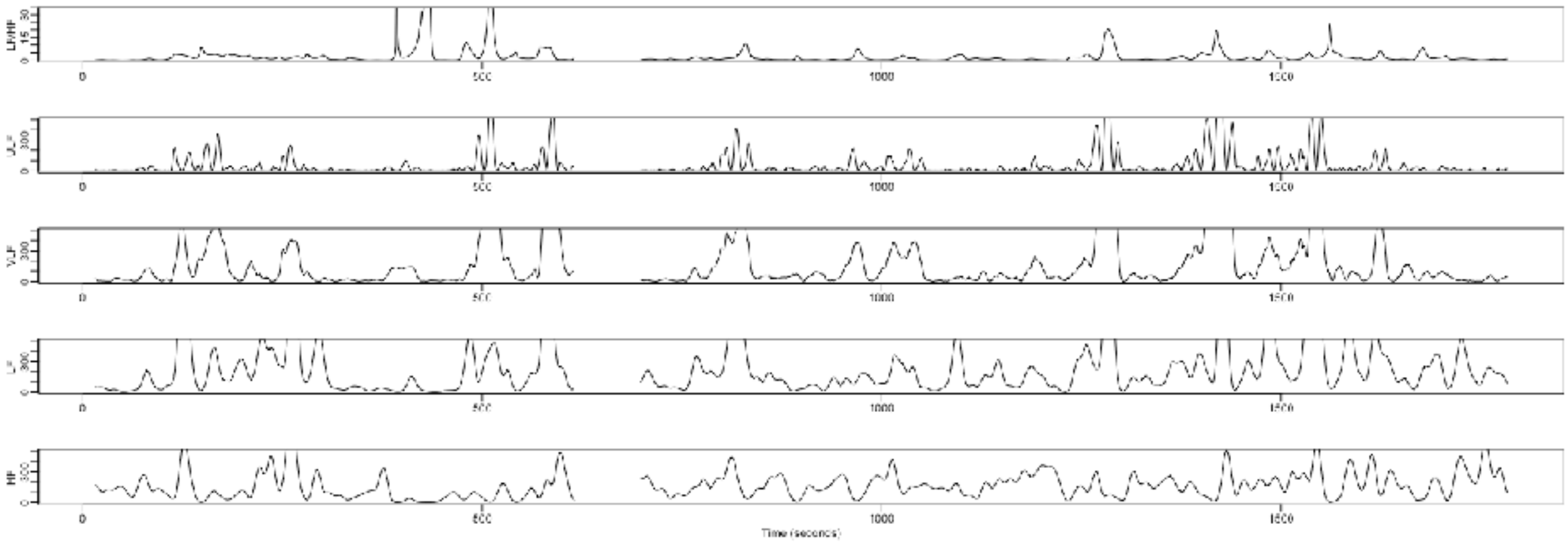
Slight downward trend

Control
"2017-03-21 05:29:34 UTC”

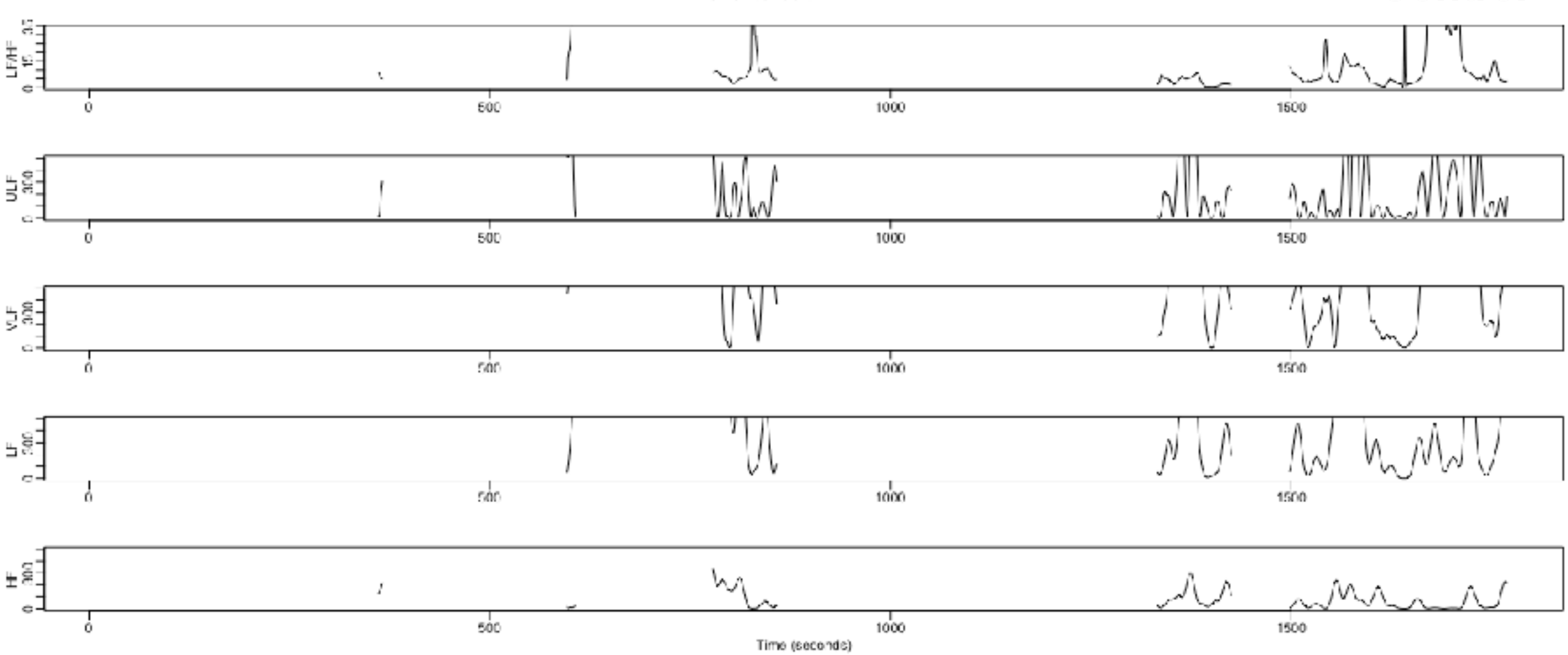


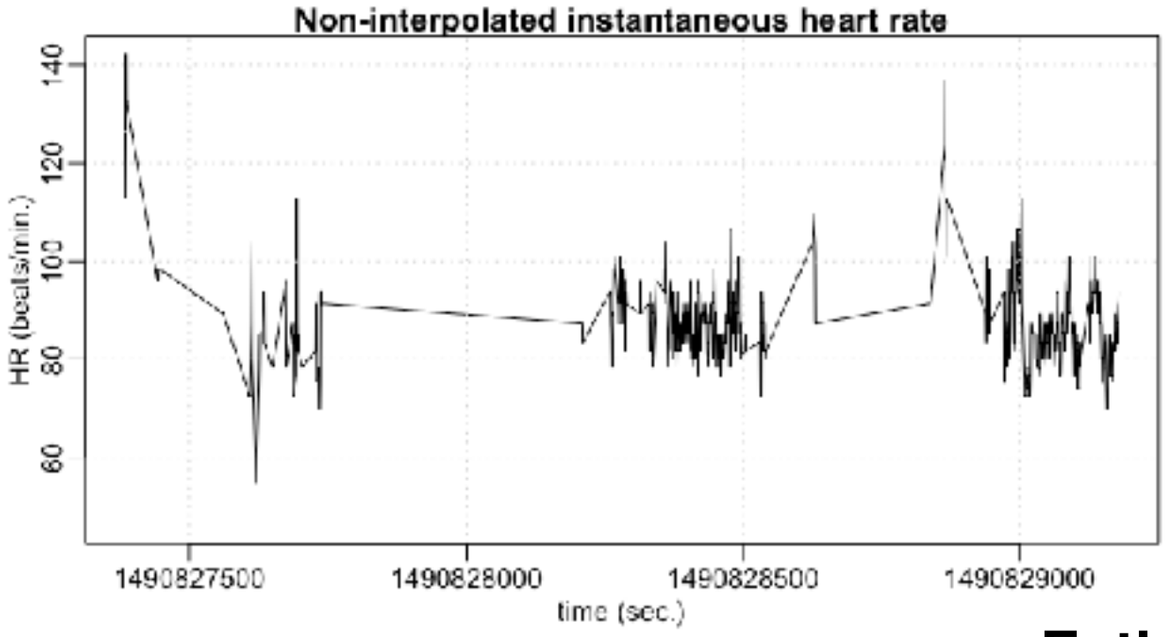
Slight upward trend

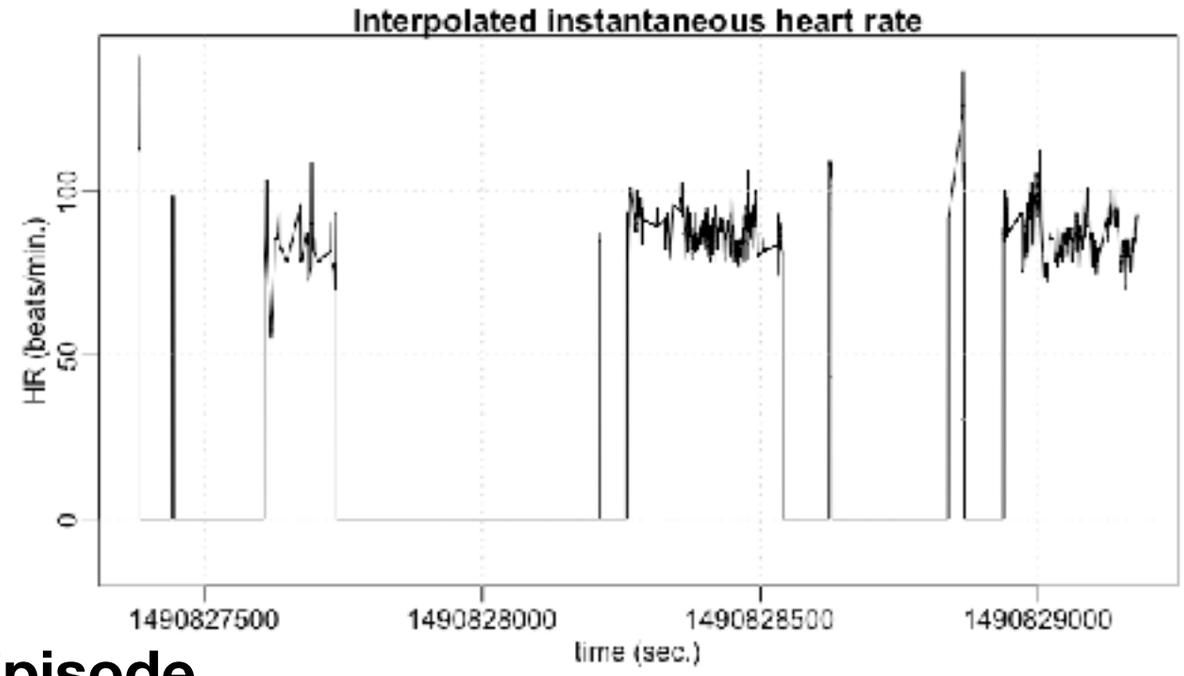
Eating Episode



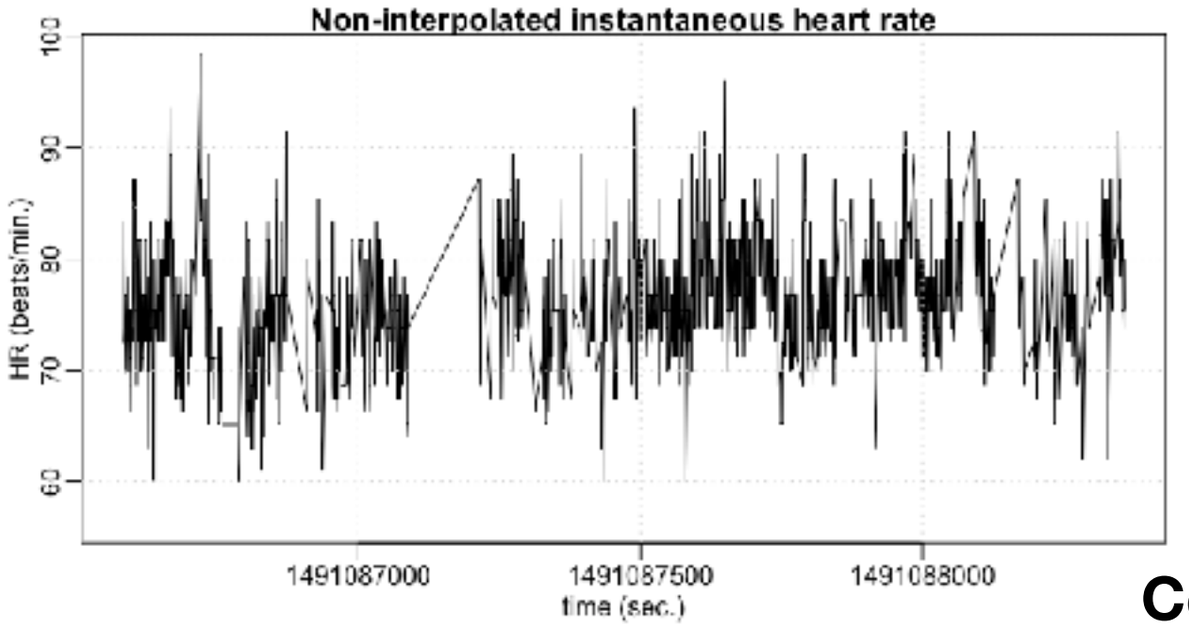
Control

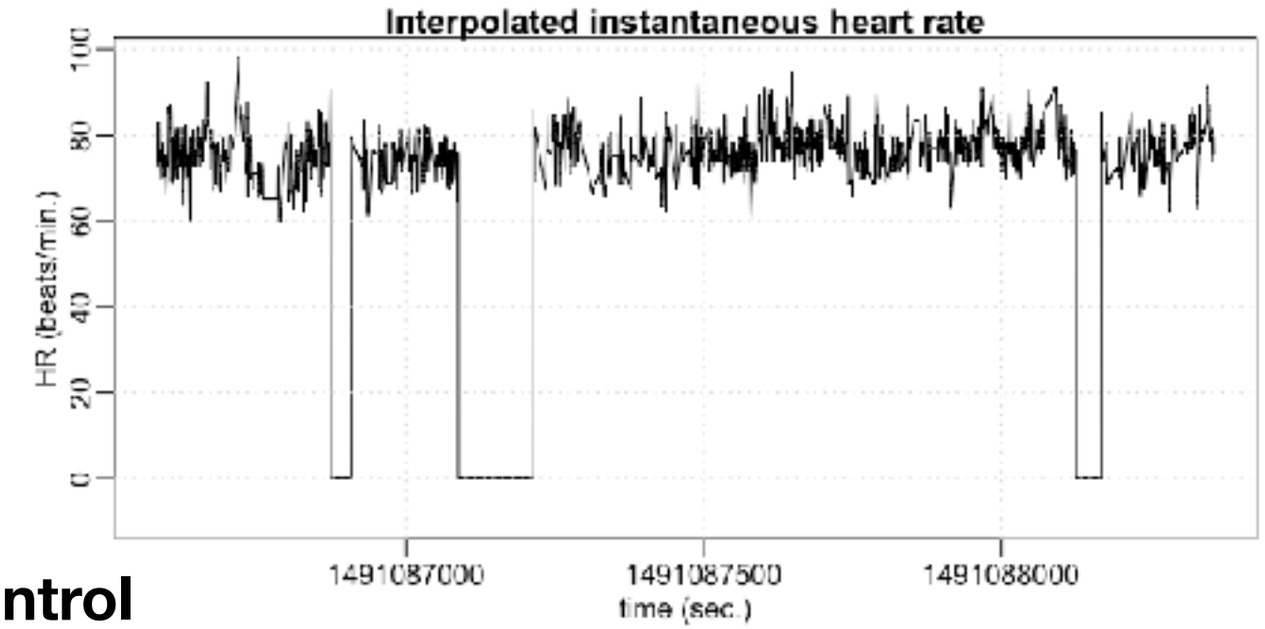




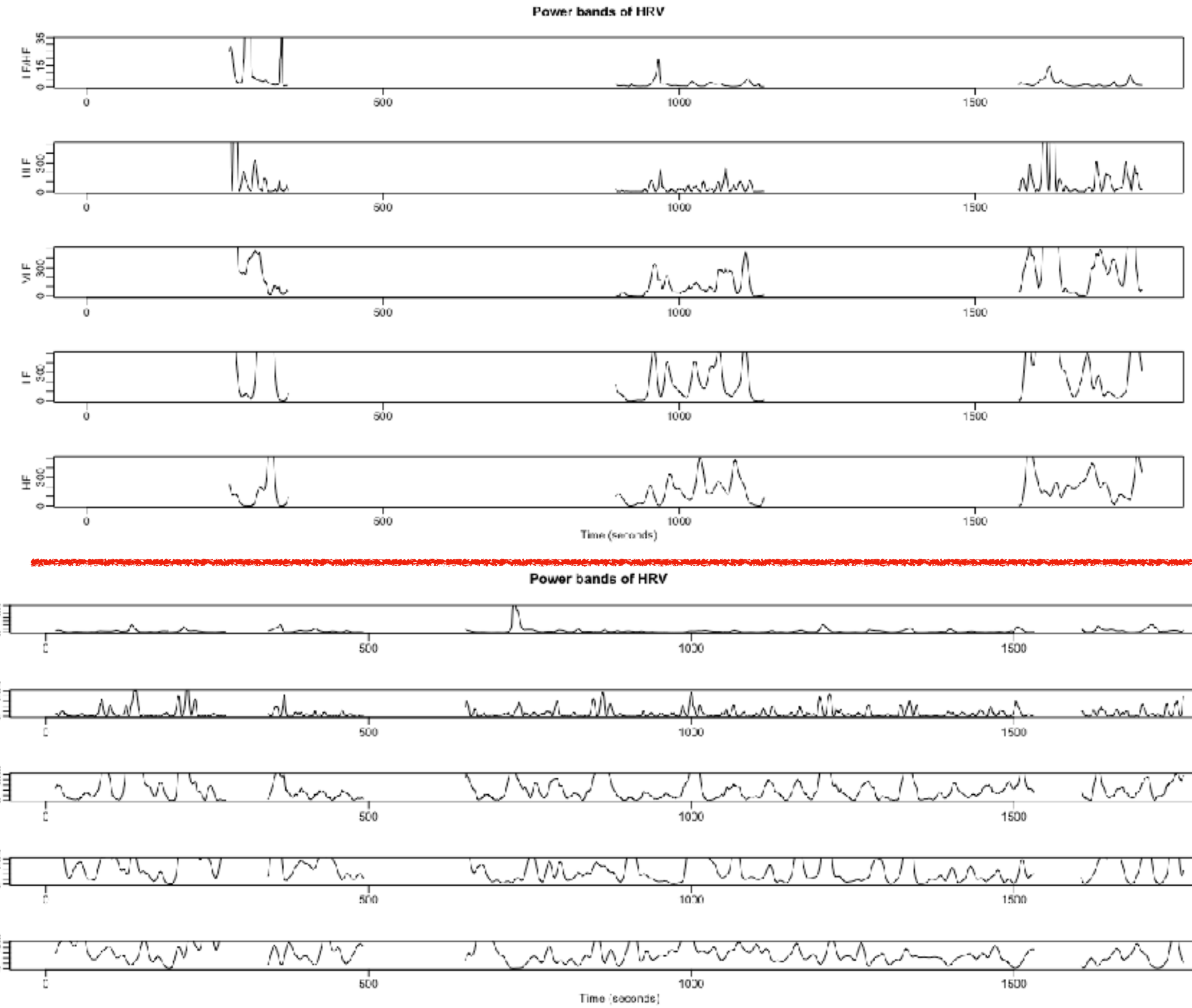


Eating Episode
"2017-03-29 18:13:00 UTC”





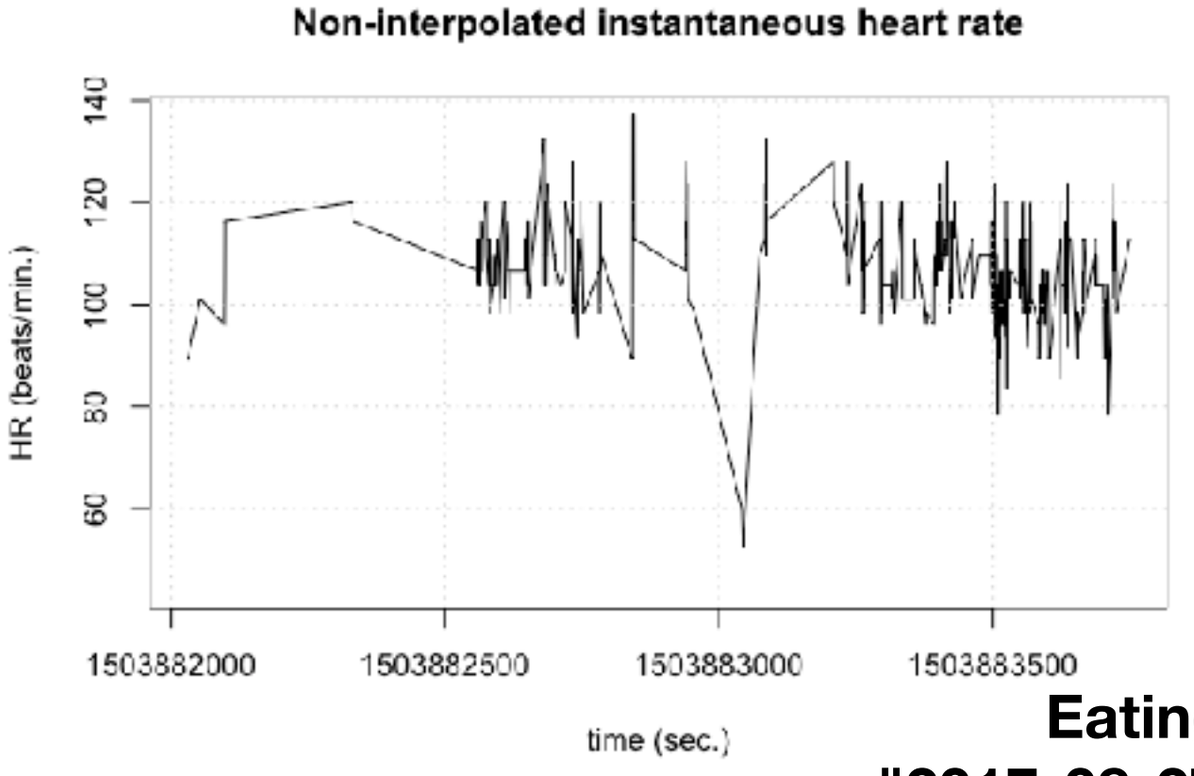
Control
"2017-04-01 08:24:10 UTC”

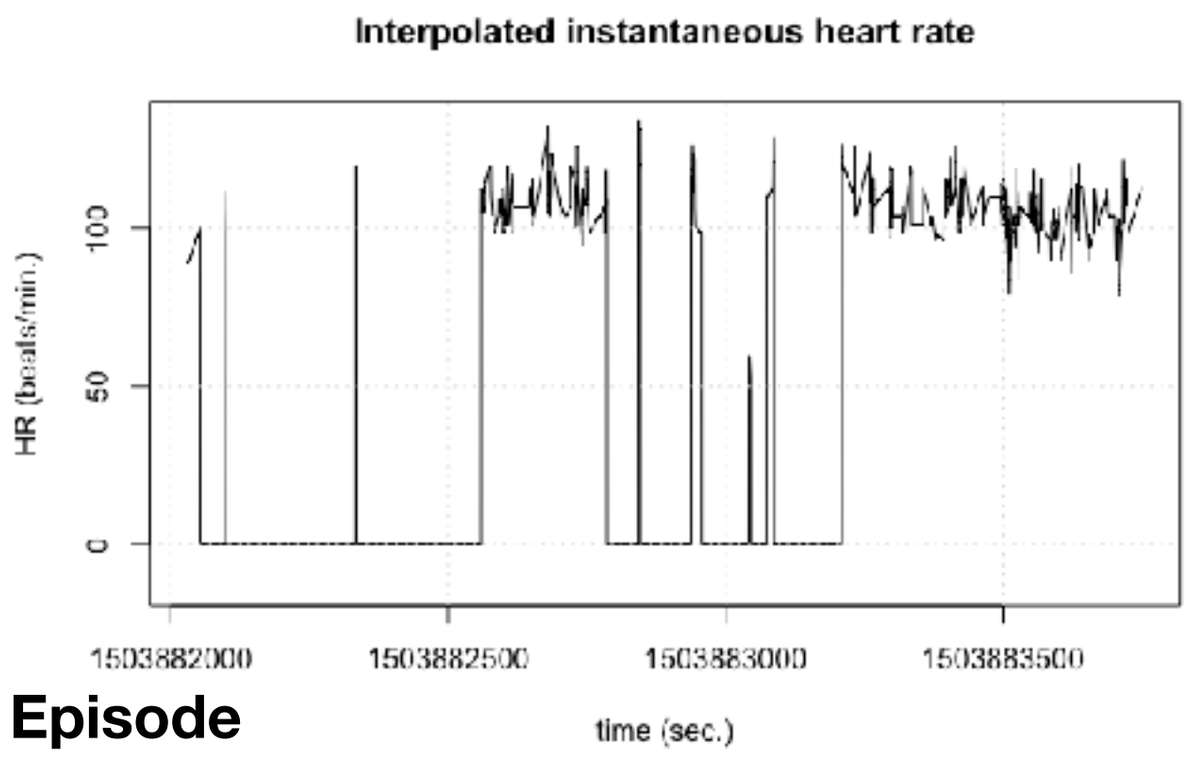


Eating Episode "2017-03-29 18:13:00 UTC”

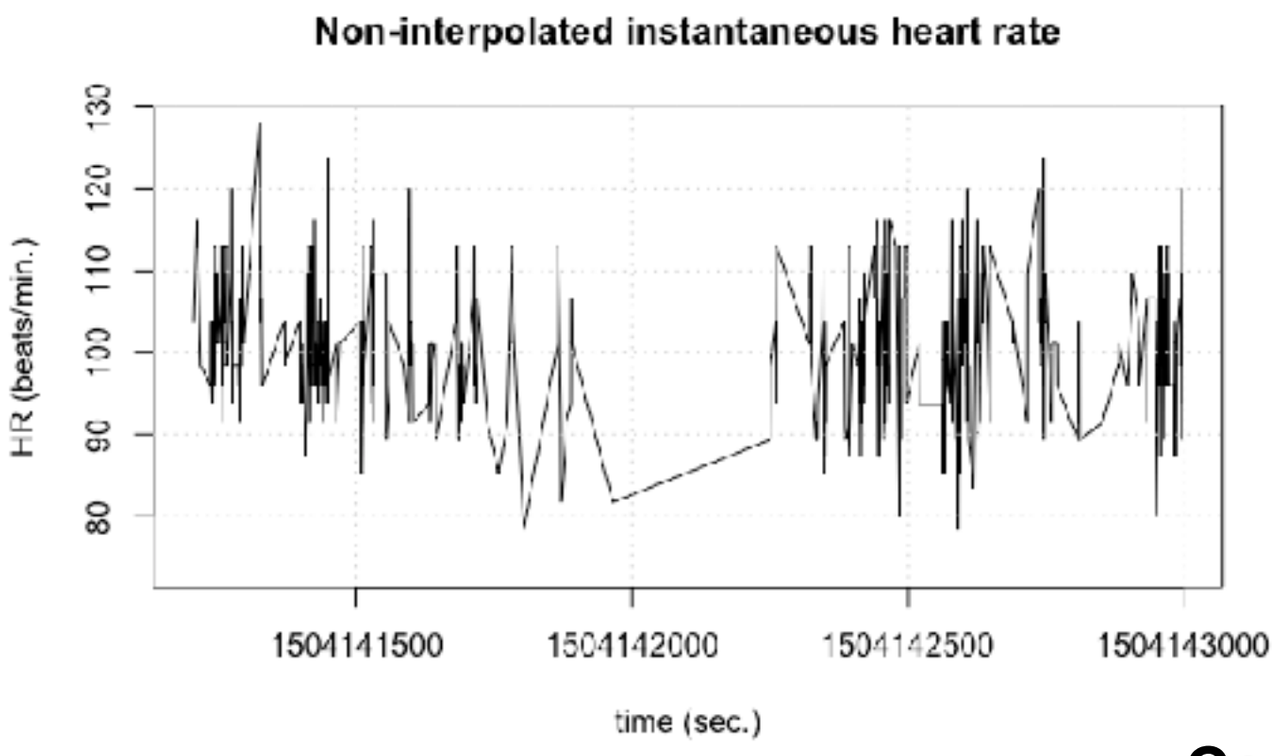
Control "2017-04-01 08:24:10 UTC”

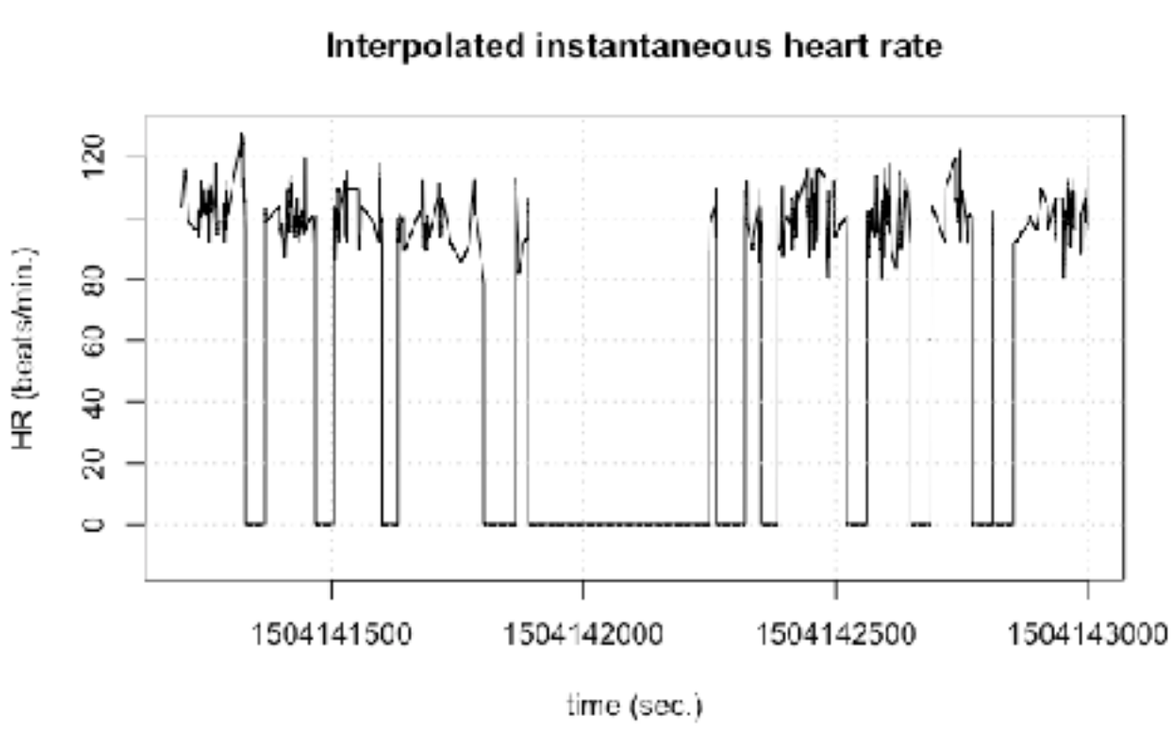
Participant 219



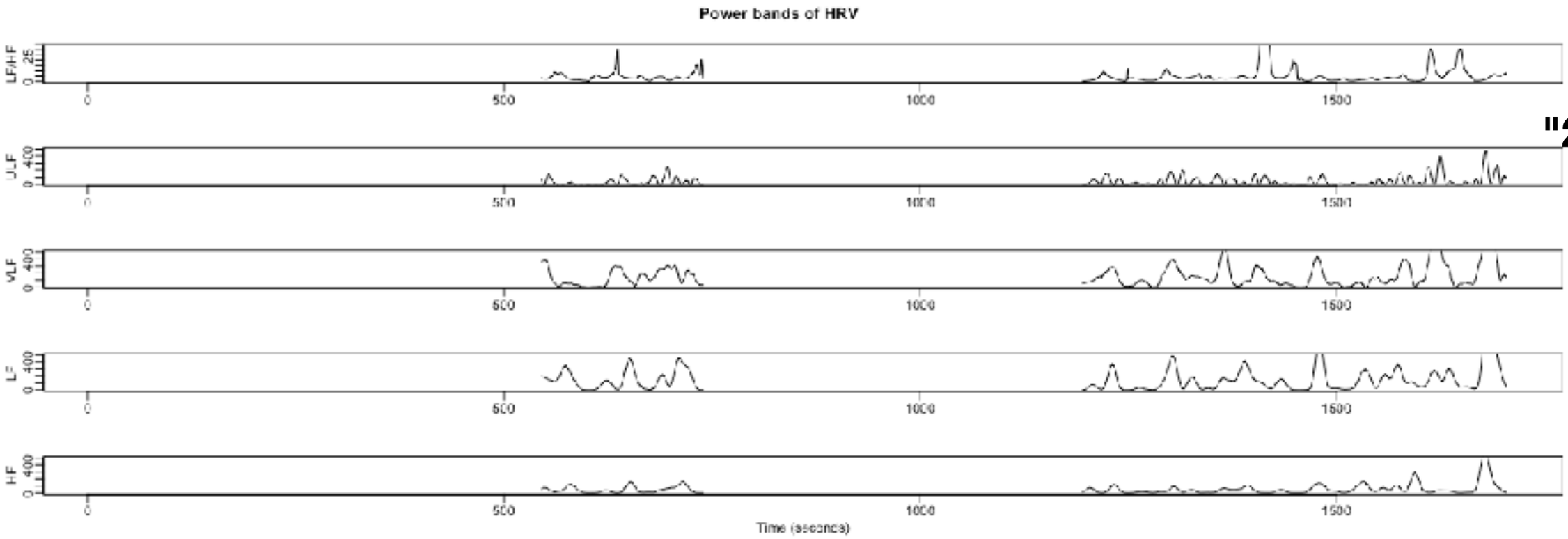


Eating Episode
"2017-08-27 20:30:00 UTC"

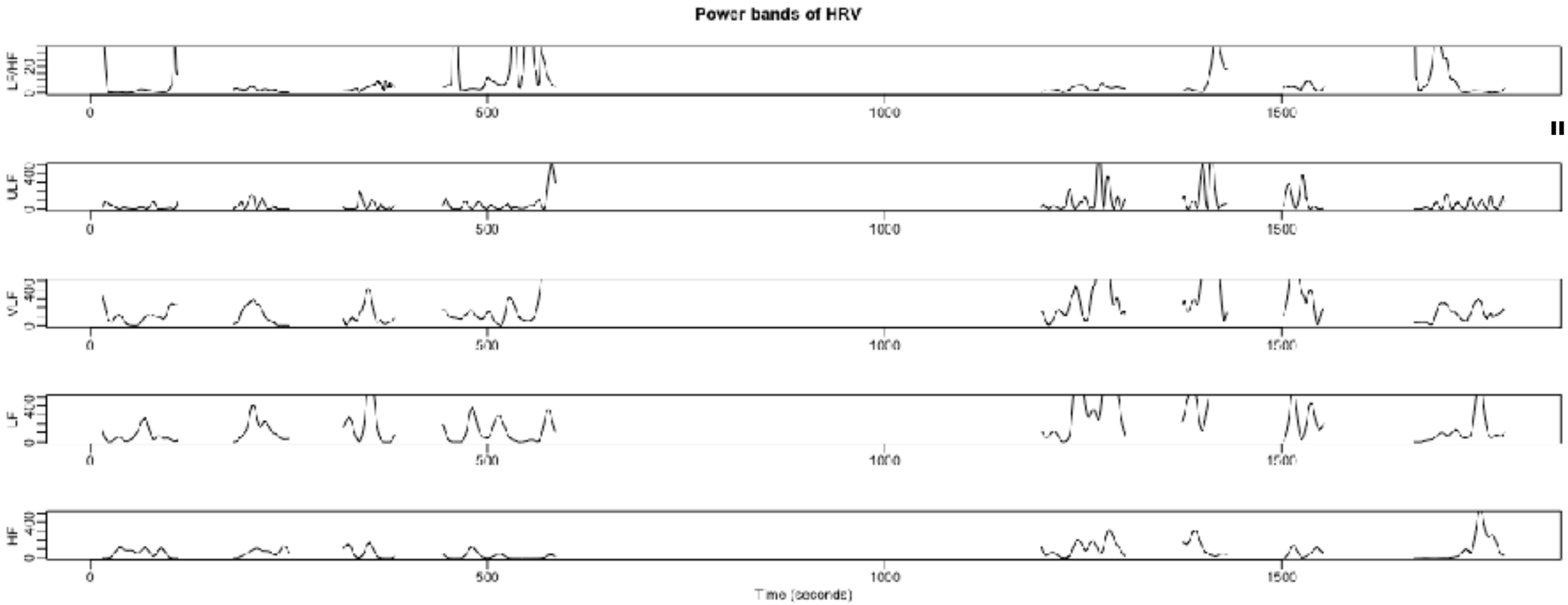




Control
"2017-08-30 19:56:08 UTC"



Eating Episode "2017-08-27 20:30:00 UTC"



Control "2017-08-30 19:56:08 UTC"