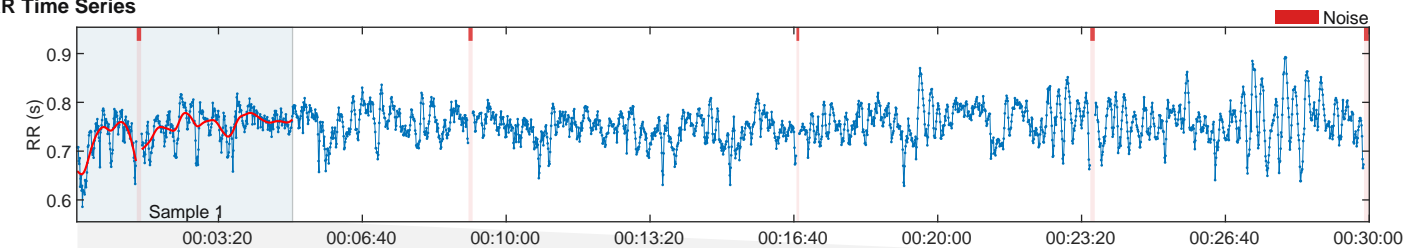
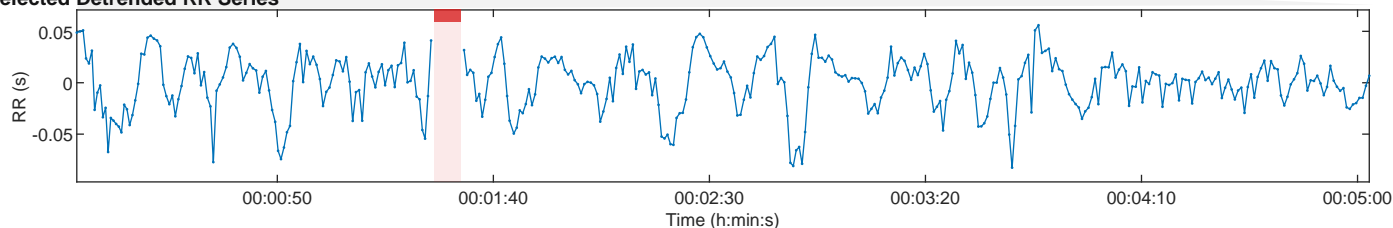


Person:			Measurement Info			Results for Sample 1/6	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:00:04
Age:	49 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:05:00
Max HR:	171 bpm	BMI:	24.1 kg/m2	Duration:	00:30:04	Beats corrected:	8 (2.03 %)
			Trend removal:			Smoothn priors	
			Artefact corr.:			Automatic correction	
			Analysis samples:			6	

## RR Time Series



## Selected Detrended RR Series



## Autonomic nervous system indexes

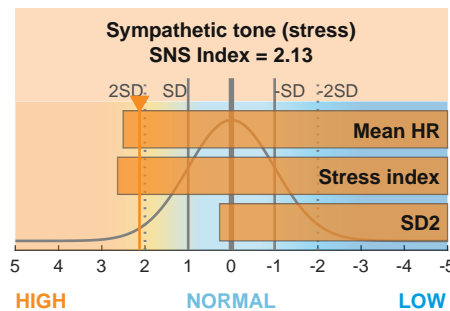
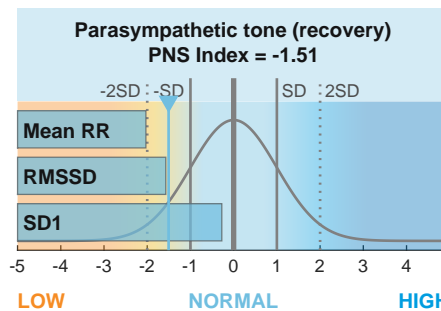
## Parasympathetic Nervous System (PNS)

Mean RR      RMSSD      SD1  
743 ms      18.4 ms      27.6 %

**PNS Index = -1.51**

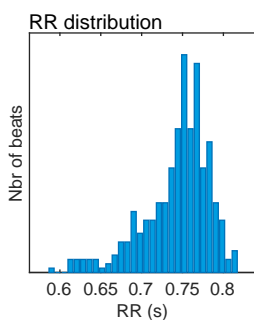
## Sympathetic Nervous System (SNS)

Mean HR      Stress index      SD2  
81 bpm      16.5      72.4 %

**SNS Index = 2.13**

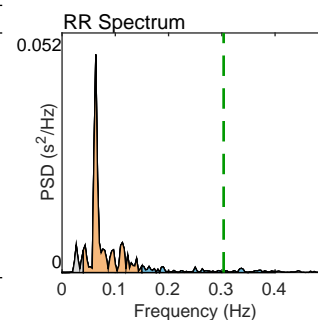
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	743
Mean HR*	(bpm)	81
Min HR	(bpm)	74
Max HR	(bpm)	98
SDNN	(ms)	25.9
RMSSD	(ms)	18.4
NN50	(beats)	6
pNN50	(%)	1.53
RR triangular index		6.91
TINN	(ms)	117.0
Stress Index (SI)		16.5
DC	(ms)	9.6
DCmod	(ms)	17.5



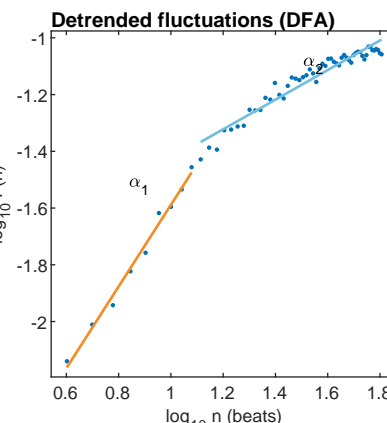
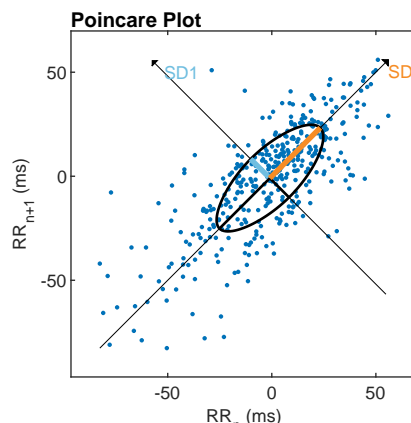
## Frequency-Domain Results (FFT spectrum)

Variable	Units	VLF	LF	HF
Frequency band	(Hz)	0.00-0.04	0.04-0.15	0.15-0.40
Peak frequency	(Hz)	0.027	0.063	0.150
Power	(ms <sup>2</sup> )	58	602	86
Power	(log)	4.055	6.401	4.451
Power	(%)	7.73	80.76	11.49
Power	(n.u.)		87.52	12.45
Total power		(ms <sup>2</sup> )	746	
Total Power		(log)	6.615	
LF/HF ratio			7.031	
RESP		(Hz)	0.30	



## Nonlinear Results

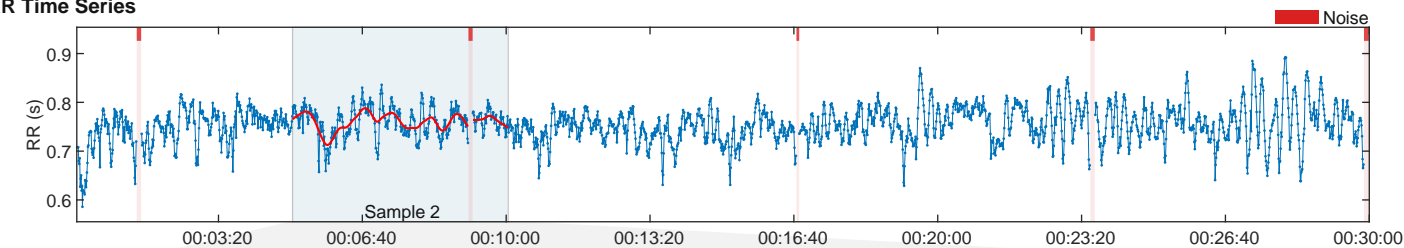
Variable	Units	Value
Poincare Plot		
SD1	(ms)	13.1
SD2	(ms)	34.2
SD2/SD1		2.621
Approximate Entropy (ApEn)		1.195
Sample Entropy (SampEn)		1.571
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		1.439
Long-term fluctuations, $\alpha_2$		0.522
Correlation Dimension (D2)		0.485
Recurrence Plot Analysis (RPA)		
Mean line length (Lmean)	(beats)	10.42
Max line length (Lmax)	(%)	98
Recurrence rate (REC)	(%)	32.13
Determinism (DET)		98.49
Shannon Entropy (ShanEn)		3.129
Multi-Scale Entropy (MSE)		0.456 - 2.071



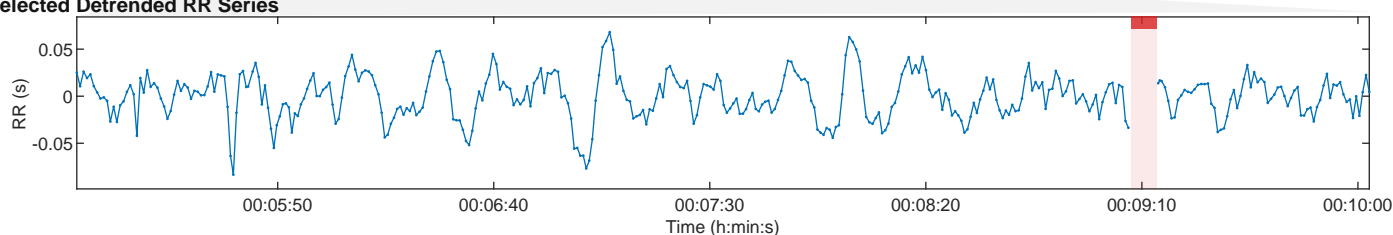
\*Results are calculated from the non-detrended selected RR series.

Person:			Measurement Info			Results for Sample 2/6	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:05:04
Age:	49 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:05:00
Max HR:	171 bpm	BMI:	24.1 kg/m2	Duration:	00:30:04	Analysis samples:	6
						Beats corrected:	7 (1.80 %)

## RR Time Series



## Selected Detrended RR Series



## Autonomic nervous system indexes

## Parasympathetic Nervous System (PNS)

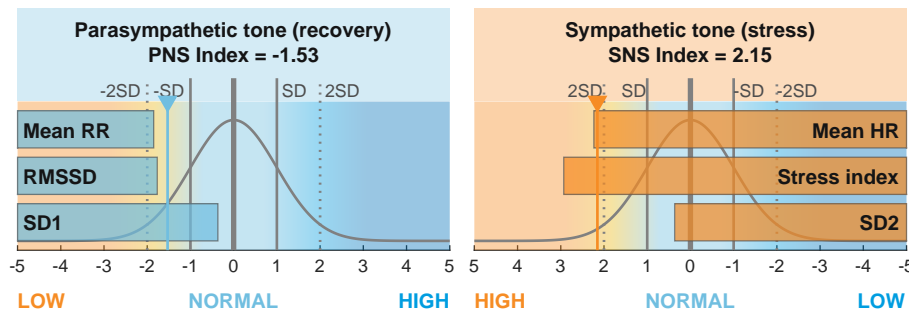
Mean RR      RMSSD      SD1  
759 ms      15.5 ms      26.2 %

**PNS Index = -1.53**

## Sympathetic Nervous System (SNS)

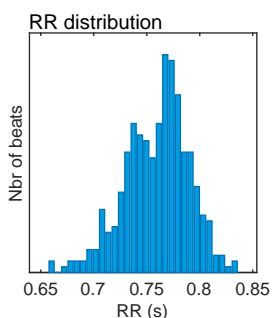
Mean HR      Stress index      SD2  
79 bpm      17.2      73.8 %

**SNS Index = 2.15**



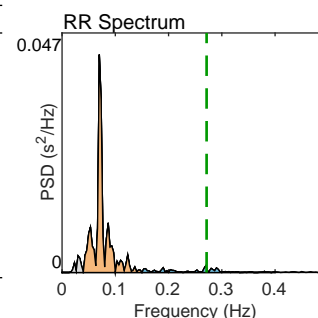
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	759
Mean HR*	(bpm)	79
Min HR	(bpm)	73
Max HR	(bpm)	88
SDNN	(ms)	23.2
RMSSD	(ms)	15.5
NN50	(beats)	3
pNN50	(%)	0.78
RR triangular index		6.47
TINN	(ms)	122.0
Stress Index (SI)		17.2
DC	(ms)	10.1
DCmod	(ms)	14.5



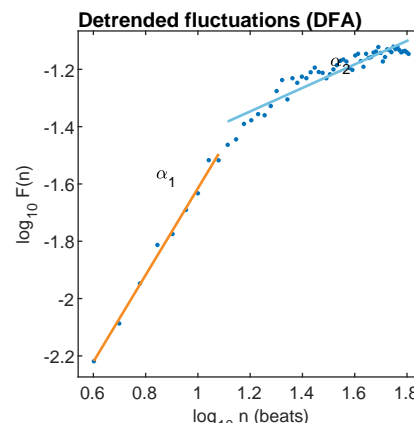
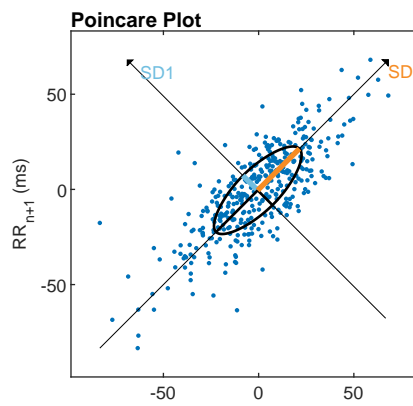
## Frequency-Domain Results (FFT spectrum)

Variable	Units	VLF	LF	HF
Frequency band	(Hz)	0.00-0.04	0.04-0.15	0.15-0.40
Peak frequency	(Hz)	0.030	0.070	0.270
Power	(ms <sup>2</sup> )	35	596	56
Power	(log)	3.550	6.389	4.028
Power	(%)	5.07	86.74	8.18
Power	(n.u.)		91.37	8.62
Total power		(ms <sup>2</sup> )	687	
Total Power		(log)	6.532	
LF/HF ratio			10.604	
RESP		(Hz)	0.27	



## Nonlinear Results

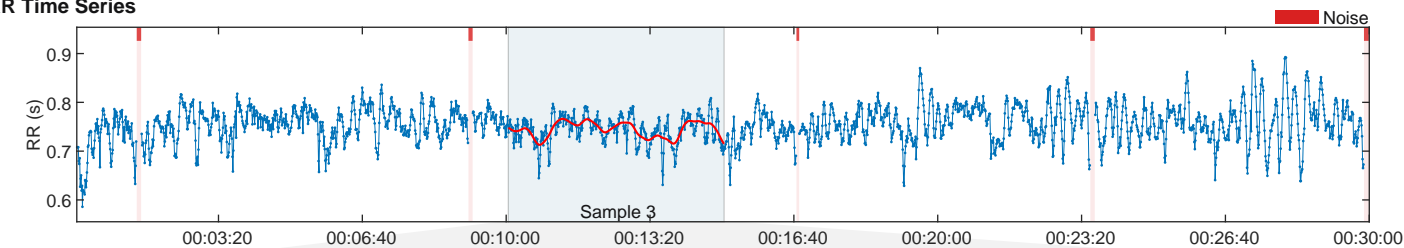
Variable	Units	Value
Poincare Plot		
SD1	(ms)	11.0
SD2	(ms)	31.0
SD2/SD1		2.823
Approximate Entropy (ApEn)		1.186
Sample Entropy (SampEn)		1.577
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		1.514
Long-term fluctuations, $\alpha_2$		0.410
Correlation Dimension (D2)		0.322
Recurrence Plot Analysis (RPA)		
Mean line length (Lmean)	(beats)	9.78
Max line length (Lmax)	(%)	219
Recurrence rate (REC)	(%)	32.32
Determinism (DET)		98.54
Shannon Entropy (ShanEn)		3.084
Multi-Scale Entropy (MSE)		0.613 - 1.915



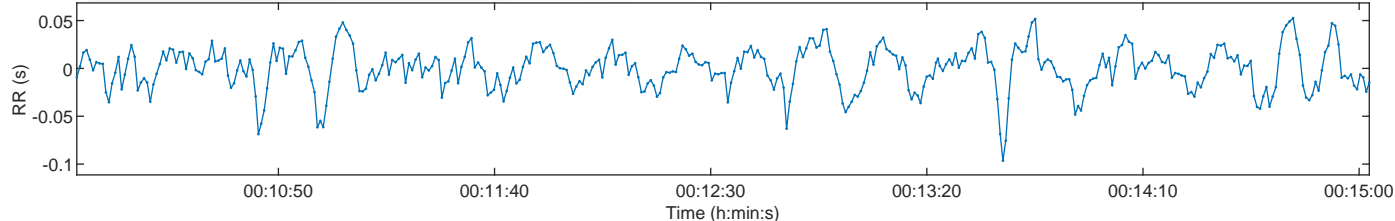
\*Results are calculated from the non-detrended selected RR series.

Person:			Measurement Info			Results for Sample 3/6	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:10:03
Age:	49 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:05:00
Max HR:	171 bpm	BMI:	24.1 kg/m2	Duration:	00:30:04	Beats corrected:	6 (1.48 %)
			Trend removal:			Smoothn priors	
			Artefact corr.:			Automatic correction	
			Analysis samples:			6	

## RR Time Series



## Selected Detrended RR Series



## Autonomic nervous system indexes

## Parasympathetic Nervous System (PNS)

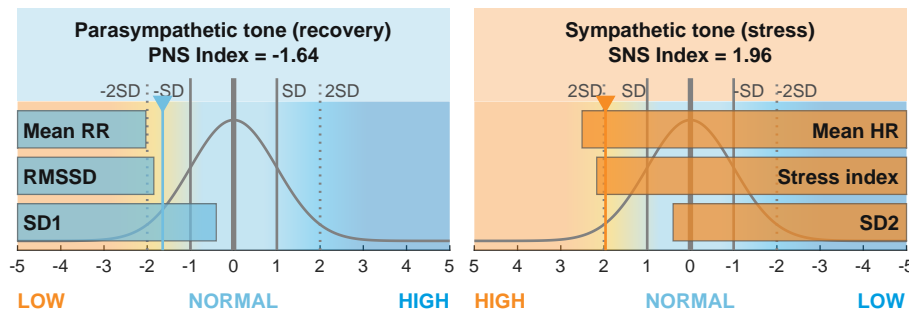
Mean RR      RMSSD      SD1  
743 ms      14.3 ms      25.6 %

PNS Index = -1.64

## Sympathetic Nervous System (SNS)

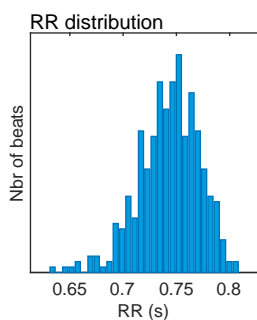
Mean HR      Stress index      SD2  
81 bpm      15.3      74.4 %

SNS Index = 1.96



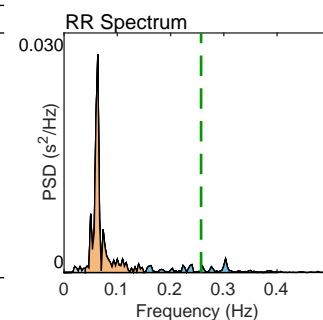
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	743
Mean HR*	(bpm)	81
Min HR	(bpm)	75
Max HR	(bpm)	90
SDNN	(ms)	22.0
RMSSD	(ms)	14.3
NN50	(beats)	0
pNN50	(%)	0.00
RR triangular index		5.62
TINN	(ms)	115.0
Stress Index (SI)		15.3
DC	(ms)	8.5
DCmod	(ms)	12.5



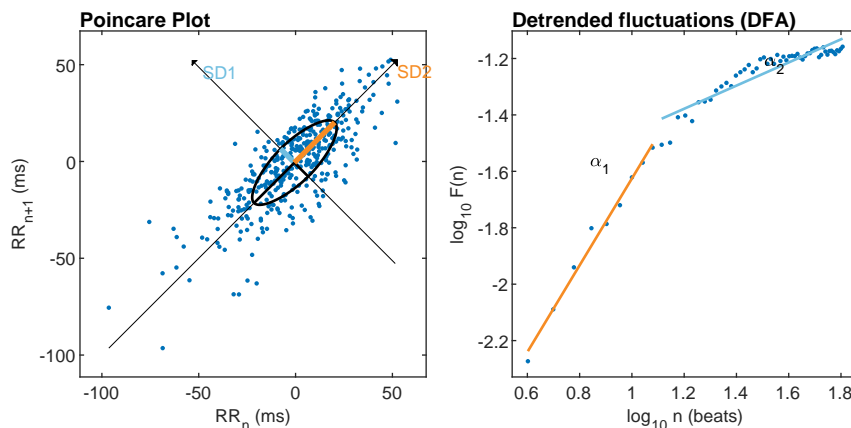
## Frequency-Domain Results (FFT spectrum)

Variable	Units	VLF	LF	HF
Frequency band	(Hz)	0.00-0.04	0.04-0.15	0.15-0.40
Peak frequency	(Hz)	0.020	0.063	0.303
Power	(ms <sup>2</sup> )	11	328	64
Power	(log)	2.396	5.793	4.154
Power	(%)	2.73	81.44	15.82
Power	(n.u.)		83.72	16.27
Total power		(ms <sup>2</sup> )	403	
Total Power		(log)	5.998	
LF/HF ratio			5.147	
RESP		(Hz)	0.26	



## Nonlinear Results

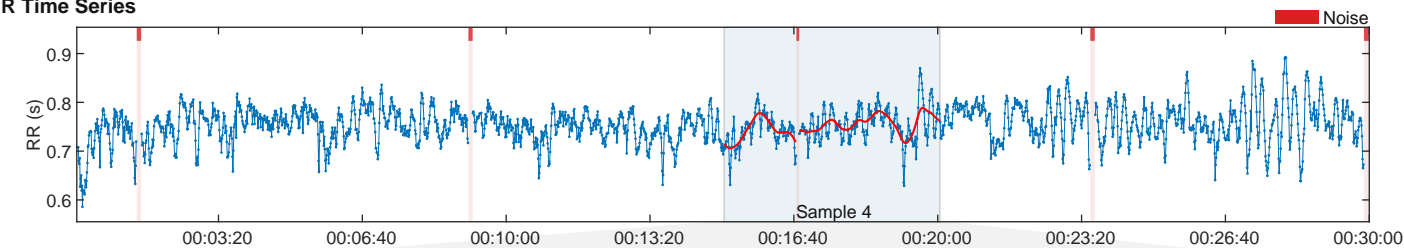
Variable	Units	Value
Poincare Plot		
SD1	(ms)	10.1
SD2	(ms)	29.5
SD2/SD1		2.909
Approximate Entropy (ApEn)		1.232
Sample Entropy (SampEn)		1.610
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		1.538
Long-term fluctuations, $\alpha_2$		0.410
Correlation Dimension (D2)		0.277
Recurrence Plot Analysis (RPA)		
Mean line length (Lmean)	(beats)	10.27
Max line length (Lmax)	(%)	225
Recurrence rate (REC)	(%)	31.45
Determinism (DET)		98.22
Shannon Entropy (ShanEn)		3.101
Multi-Scale Entropy (MSE)		0.468 - 2.039



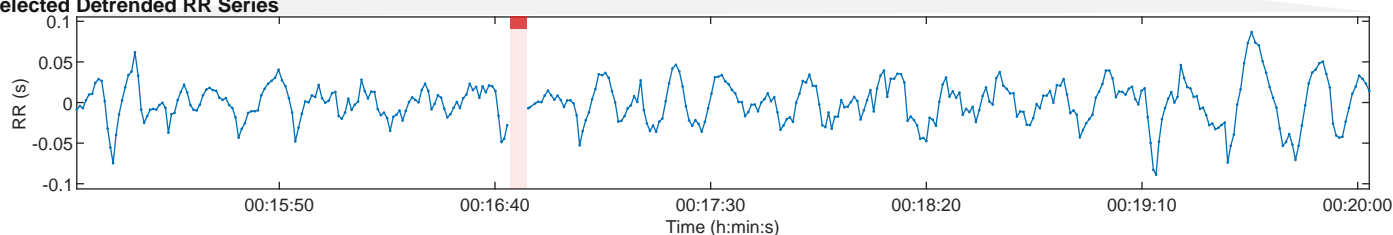
\*Results are calculated from the non-detrended selected RR series.

Person:			Measurement Info			Results for Sample 4/6	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:15:03
Age:	49 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:05:00
Max HR:	171 bpm	BMI:	24.1 kg/m2	Duration:	00:30:04	Beats corrected:	4 (1.01 %)
			Trend removal:			Smoothn priors	
			Artefact corr.:			Automatic correction	
			Analysis samples:			6	

## RR Time Series



## Selected Detrended RR Series



## Autonomic nervous system indexes

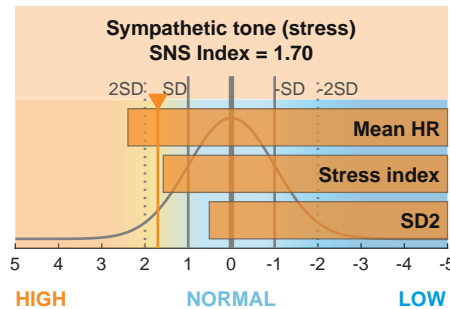
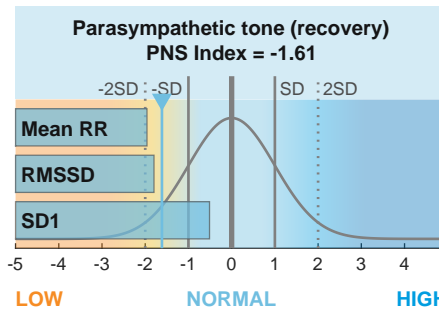
## Parasympathetic Nervous System (PNS)

Mean RR      RMSSD      SD1  
750 ms      15.0 ms      23.8 %

**PNS Index = -1.61**

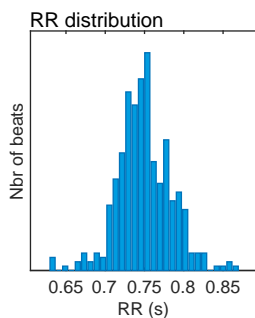
## Sympathetic Nervous System (SNS)

Mean HR      Stress index      SD2  
80 bpm      13.7      76.2 %

**SNS Index = 1.70**

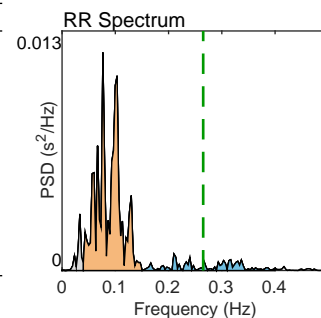
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	750
Mean HR*	(bpm)	80
Min HR	(bpm)	70
Max HR	(bpm)	91
SDNN	(ms)	25.2
RMSSD	(ms)	15.0
NN50	(beats)	0
pNN50	(%)	0.00
RR triangular index		6.58
TINN	(ms)	136.0
Stress Index (SI)		13.7
DC	(ms)	10.9
DCmod	(ms)	13.7



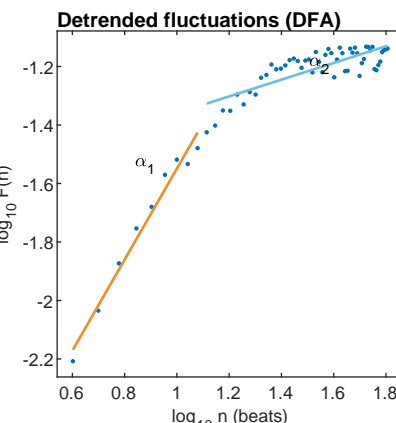
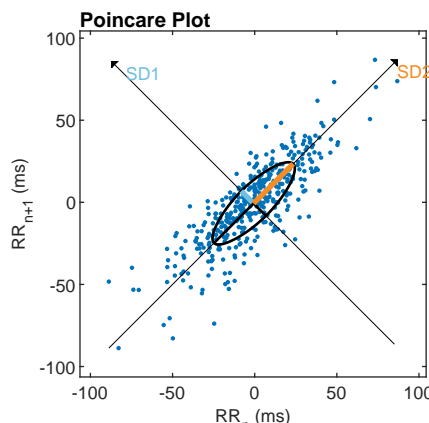
## Frequency-Domain Results (FFT spectrum)

Variable	Units	VLF	LF	HF
Frequency band	(Hz)	0.00-0.04	0.04-0.15	0.15-0.40
Peak frequency	(Hz)	0.033	0.077	0.210
Power	(ms <sup>2</sup> )	22	369	50
Power	(log)	3.073	5.912	3.920
Power	(%)	4.90	83.66	11.41
Power	(n.u.)		87.97	12.00
Total power		(ms <sup>2</sup> )	441	
Total Power		(log)	6.090	
LF/HF ratio			7.330	
RESP		(Hz)	0.27	



## Nonlinear Results

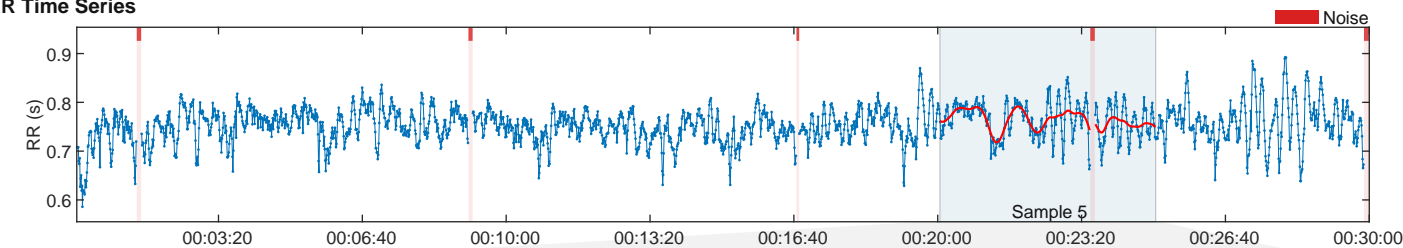
Variable	Units	Value
Poincare Plot		
SD1	(ms)	10.7
SD2	(ms)	34.1
SD2/SD1		3.201
Approximate Entropy (ApEn)		1.183
Sample Entropy (SampEn)		1.528
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		1.556
Long-term fluctuations, $\alpha_2$		0.286
Correlation Dimension (D2)		0.437
Recurrence Plot Analysis (RPA)		
Mean line length (Lmean)	(beats)	11.63
Max line length (Lmax)	(%)	323
Recurrence rate (REC)	(%)	33.85
Determinism (DET)		98.61
Shannon Entropy (ShanEn)		3.235
Multi-Scale Entropy (MSE)		0.540 - 1.954



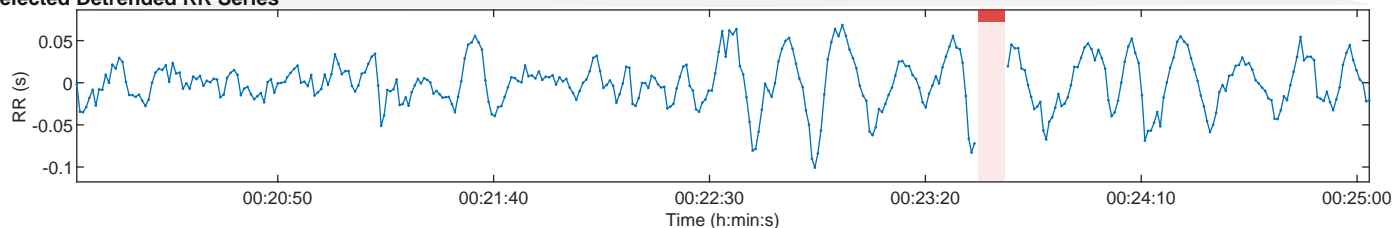
\*Results are calculated from the non-detrended selected RR series.

Person:			Measurement Info			Results for Sample 5/6	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:20:03
Age:	49 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:05:00
Max HR:	171 bpm	BMI:	24.1 kg/m2	Duration:	00:30:04	Beats corrected:	5 (1.30 %)
			Trend removal:			Smoothn priors	
			Artefact corr.:			Automatic correction	
			Analysis samples:			6	

## RR Time Series



## Selected Detrended RR Series



## Autonomic nervous system indexes

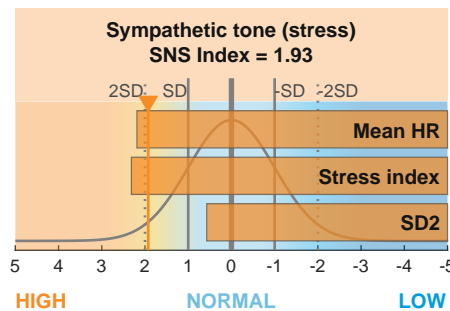
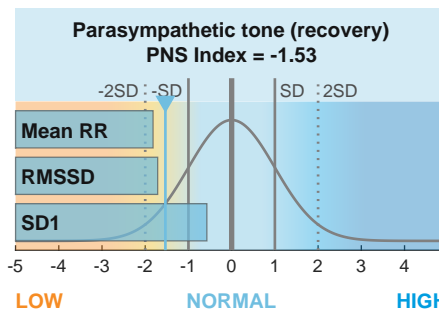
## Parasympathetic Nervous System (PNS)

Mean RR      RMSSD      SD1  
762 ms      16.3 ms      22.8 %

**PNS Index = -1.53**

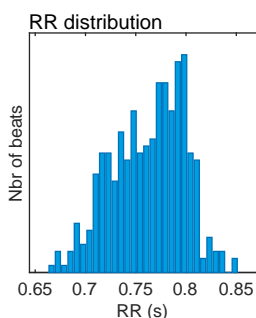
## Sympathetic Nervous System (SNS)

Mean HR      Stress index      SD2  
79 bpm      15.7      77.2 %

**SNS Index = 1.93**

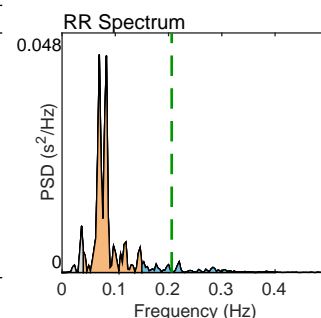
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	762
Mean HR*	(bpm)	79
Min HR	(bpm)	71
Max HR	(bpm)	87
SDNN	(ms)	28.8
RMSSD	(ms)	16.3
NN50	(beats)	3
pNN50	(%)	0.78
RR triangular index		7.26
TINN	(ms)	136.0
Stress Index (SI)		15.7
DC	(ms)	13.1
DCmod	(ms)	15.0



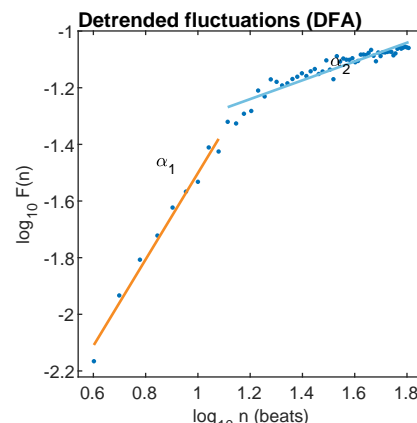
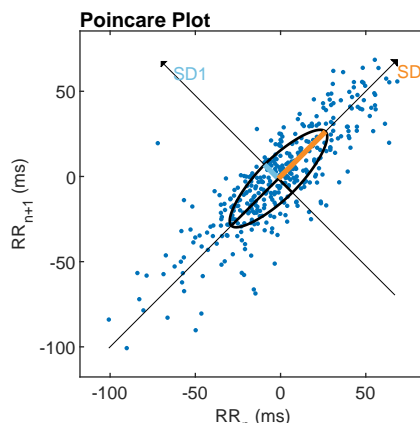
## Frequency-Domain Results (FFT spectrum)

Variable	Units	VLF	LF	HF
Frequency band	(Hz)	0.00-0.04	0.04-0.15	0.15-0.40
Peak frequency	(Hz)	0.037	0.070	0.220
Power	(ms <sup>2</sup> )	63	848	106
Power	(log)	4.149	6.742	4.660
Power	(%)	6.24	83.37	10.39
Power	(n.u.)		88.91	11.09
Total power		(ms <sup>2</sup> )	1017	
Total Power		(log)	6.924	
LF/HF ratio			8.020	
RESP		(Hz)	0.21	



## Nonlinear Results

Variable	Units	Value
Poincare Plot		
SD1	(ms)	11.6
SD2	(ms)	39.1
SD2/SD1		3.381
Approximate Entropy (ApEn)		1.083
Sample Entropy (SampEn)		1.328
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		1.525
Long-term fluctuations, $\alpha_2$		0.332
Correlation Dimension (D2)		0.827
Recurrence Plot Analysis (RPA)		
Mean line length (Lmean)	(beats)	14.14
Max line length (Lmax)	(%)	263
Recurrence rate (REC)	(%)	35.72
Determinism (DET)		99.20
Shannon Entropy (ShanEn)		3.449
Multi-Scale Entropy (MSE)		0.591 - 1.765

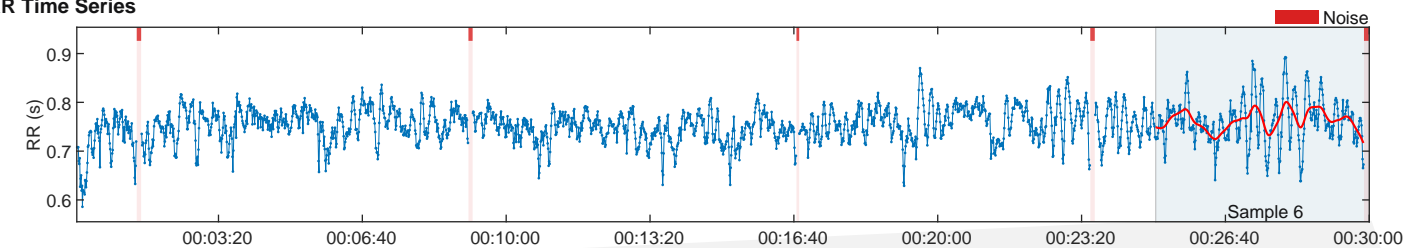


\*Results are calculated from the non-detrended selected RR series.

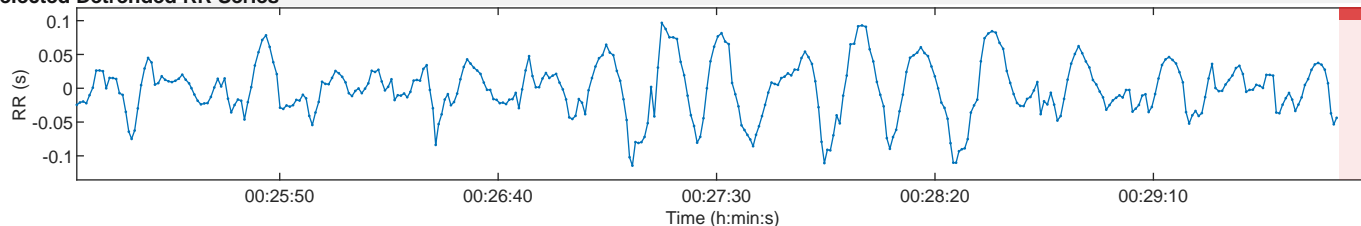


Person:			Measurement Info			Results for Sample 6/6	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:25:04
Age:	49 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:05:00
Max HR:	171 bpm	BMI:	24.1 kg/m2	Duration:	00:30:04	Beats corrected:	5 (1.31 %)
			Trend removal:			Smoothn priors	
			Artefact corr.:			Automatic correction	
			Analysis samples:			6	

## RR Time Series



## Selected Detrended RR Series



## Autonomic nervous system indexes

## Parasympathetic Nervous System (PNS)

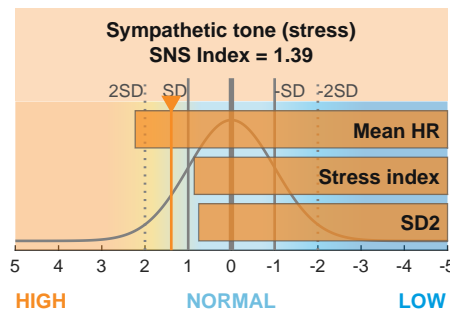
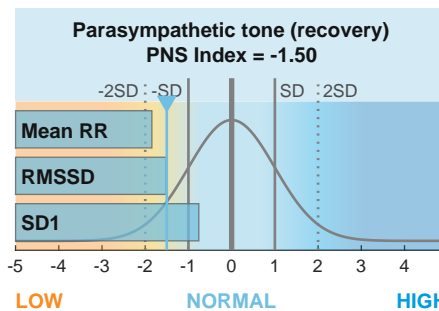
Mean RR      RMSSD      SD1  
760 ms      19.3 ms      19.9 %

**PNS Index = -1.50**

## Sympathetic Nervous System (SNS)

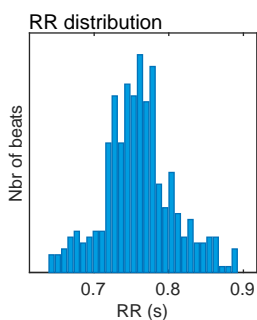
Mean HR      Stress index      SD2  
79 bpm      11.9      80.1 %

**SNS Index = 1.39**



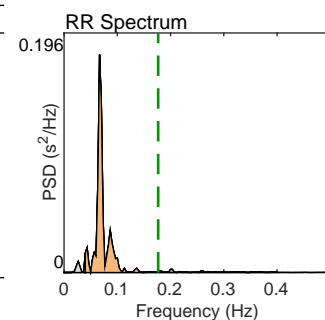
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	760
Mean HR*	(bpm)	79
Min HR	(bpm)	68
Max HR	(bpm)	92
SDNN	(ms)	40.1
RMSSD	(ms)	19.3
NN50	(beats)	9
pNN50	(%)	2.37
RR triangular index		10.89
TINN	(ms)	191.0
Stress Index (SI)		11.9
DC	(ms)	21.5
DCmod	(ms)	19.3



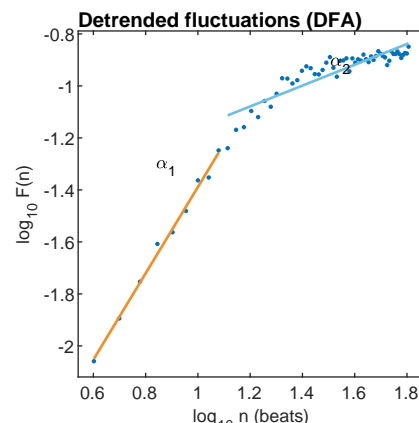
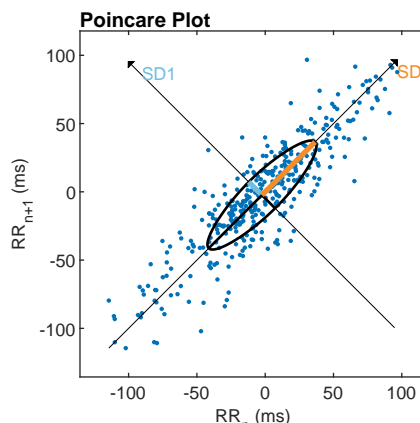
## Frequency-Domain Results (FFT spectrum)

Variable	Units	VLF	LF	HF
Frequency band	(Hz)	0.00-0.04	0.04-0.15	0.15-0.40
Peak frequency	(Hz)	0.040	0.067	0.200
Power	(ms <sup>2</sup> )	100	2225	103
Power	(log)	4.604	7.708	4.633
Power	(%)	4.11	91.65	4.23
Power	(n.u.)		95.58	4.41
Total power		(ms <sup>2</sup> )	2428	
Total Power		(log)	7.795	
LF/HF ratio			21.652	
RESP		(Hz)	0.18	



## Nonlinear Results

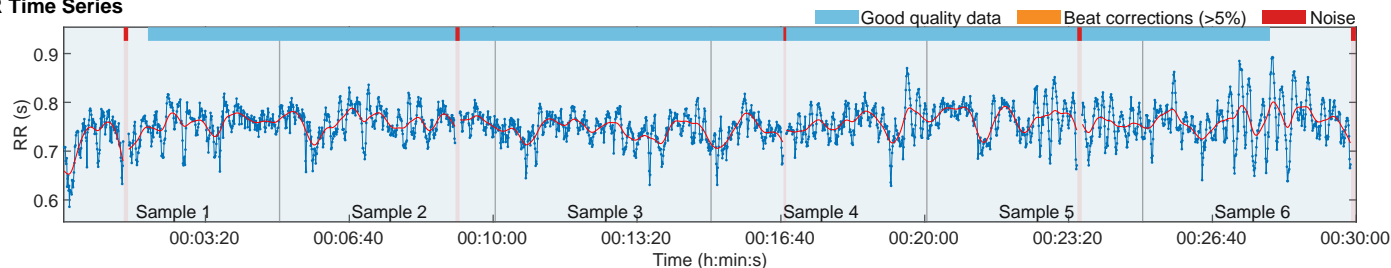
Variable	Units	Value
Poincare Plot		
SD1	(ms)	13.6
SD2	(ms)	55.1
SD2/SD1		4.035
Approximate Entropy (ApEn)		0.966
Sample Entropy (SampEn)		1.074
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		1.661
Long-term fluctuations, $\alpha_2$		0.400
Correlation Dimension (D2)		1.567
Recurrence Plot Analysis (RPA)		
Mean line length (Lmean)	(beats)	14.30
Max line length (Lmax)	(%)	196
Recurrence rate (REC)	(%)	37.26
Determinism (DET)		99.47
Shannon Entropy (ShanEn)		3.501
Multi-Scale Entropy (MSE)		0.408 - 2.436



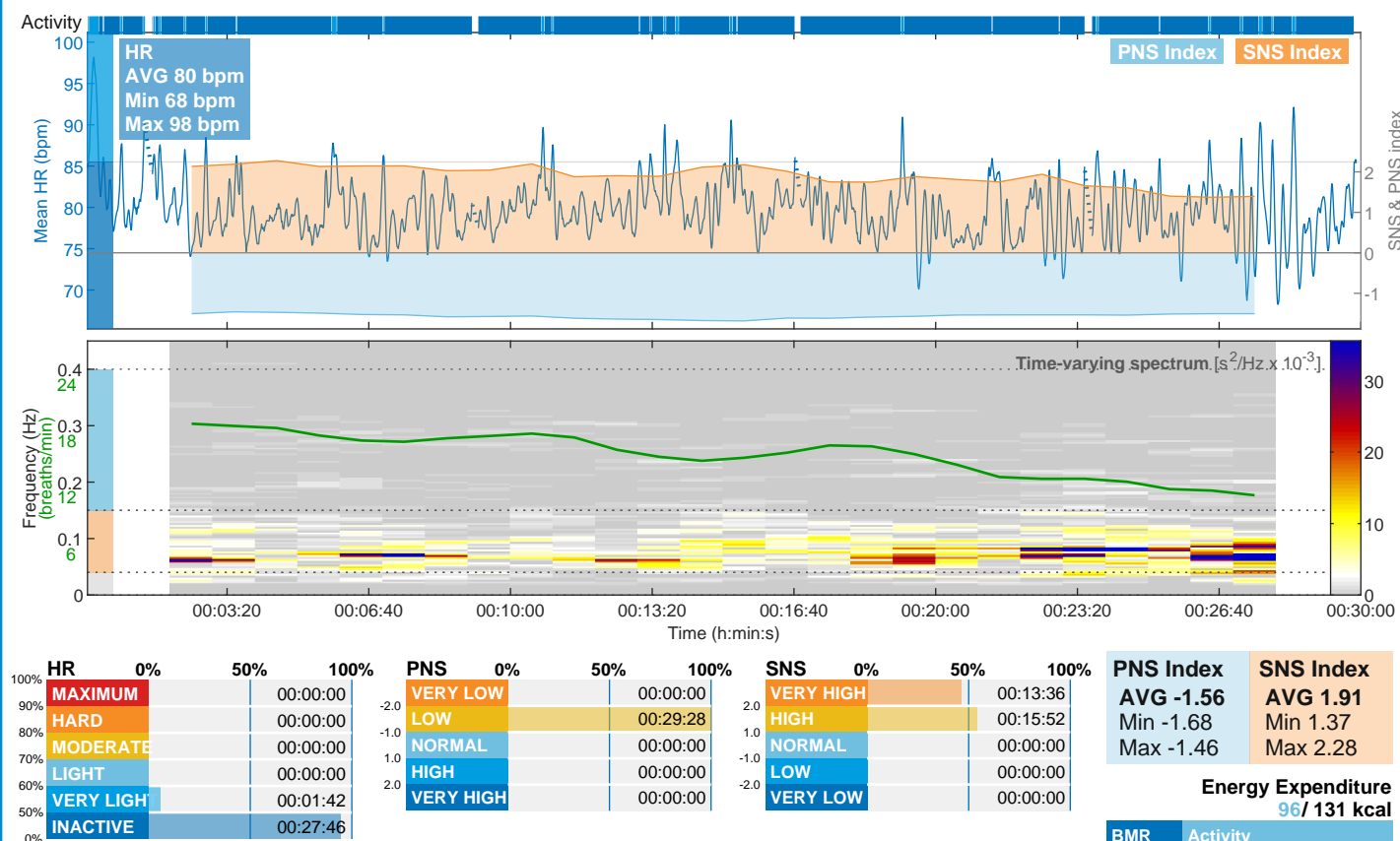
\*Results are calculated from the non-detrended selected RR series.

Person:			Measurement Info			Results for the whole measurement	
Gender:	Male	Height:	180 cm	Date:		Sample start:	00:02:30
Age:	49 years	Weight:	78 kg	Start time:	00:00:00	Sample length:	00:25:00
Max HR:	171 bpm	BMI:	24.1 kg/m2	Duration:	00:30:04	Analysis samples:	6
						Beats corrected:	35 (1.49 %)

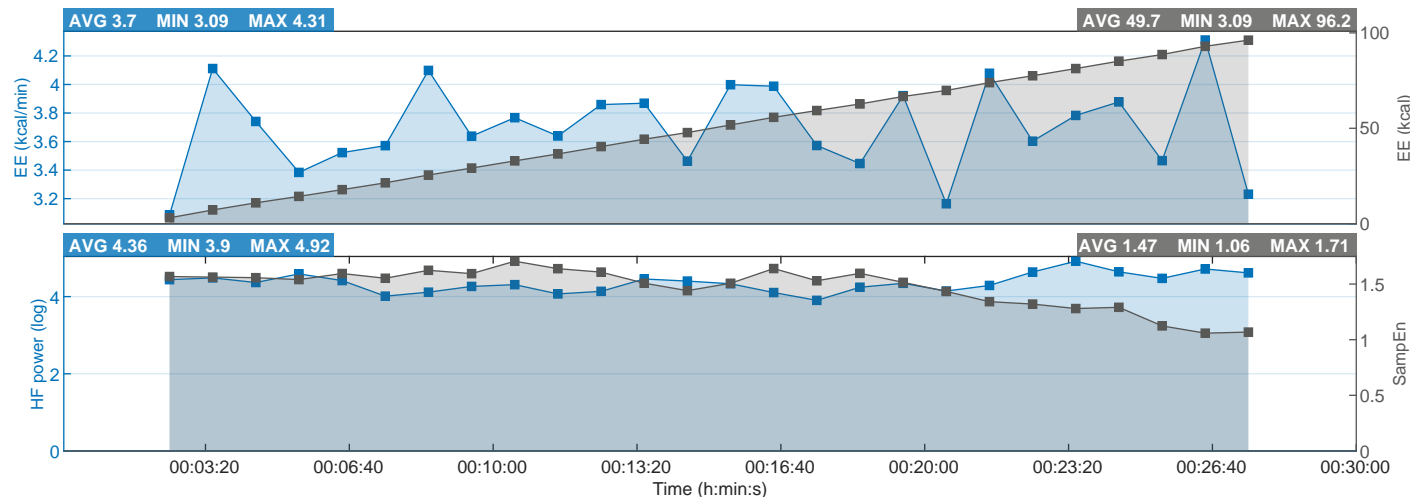
## RR Time Series



## Kubios HRV - Time-Varying Results



## Optional Time-Varying Parameters\*



\*Window width = 300 s and window shift = 60 s