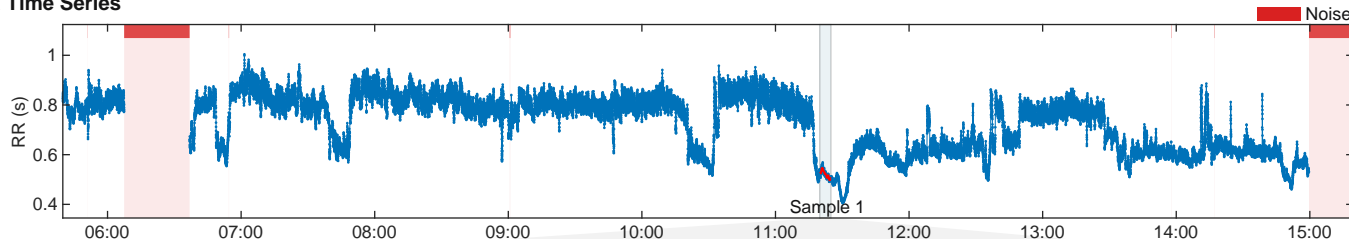


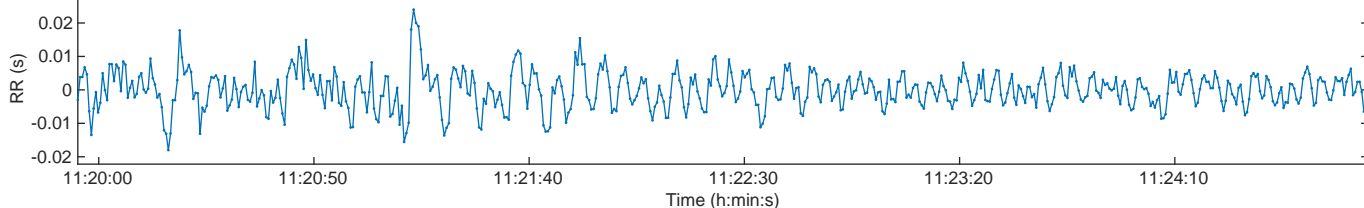
# HRV Analysis - Standard Results

<b>Person: Stephanie White</b>		<b>Measurement Info</b>			<b>Results for Sample 1/1</b>	
Gender: Female	Height: 153 cm	Date: 03.10.2017	Trend removal: Smoothn priors	Sample start: 11:19:55		
Age: 56 years	Weight: 74 kg	Start time: 05:39:55	Artefact corr.: Automatic correction	Sample length: 00:05:00		
Max HR: 167 bpm	BMI: 31.6 kg/m <sup>2</sup>	Duration: 09:39:35	Analysis samples: 1	Beats corrected: 0 (0.00 %)		

## RR Time Series



## Selected Detrended RR Series



## Autonomic nervous system indexes

### Parasympathetic Nervous System (PNS)

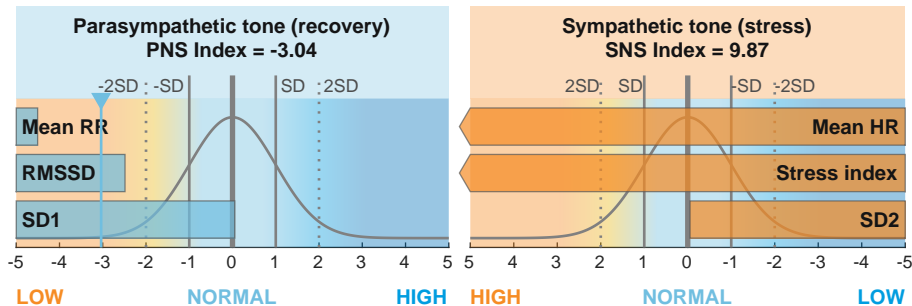
Mean RR: 520 ms  
 RMSSD: 4.7 ms  
 SD1: 32.8%

**PNS Index = -3.04**

### Sympathetic Nervous System (SNS)

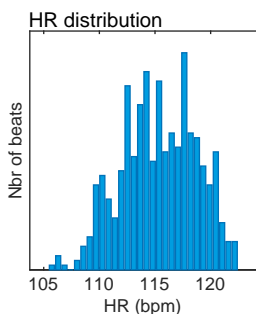
Mean HR: 115 bpm  
 Stress index: 47.8  
 SD2: 67.2%

**SNS Index = 9.87**



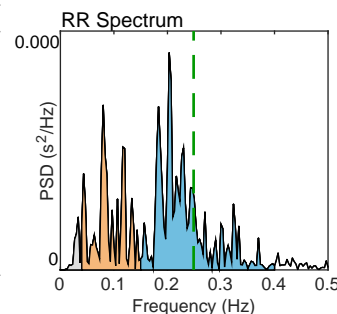
## Time-Domain Results

Variable	Units	Value
Mean RR*	(ms)	520
Mean HR*	(bpm)	115
Min HR	(bpm)	106
Max HR	(bpm)	122
SDNN	(ms)	5.4
RMSSD	(ms)	4.7
NN50	(beats)	0
pNN50	(%)	0.00
RR triangular index		1.94
TINN	(ms)	32.0
Stress Index (SI)		47.8
DC	(ms)	4.1
DCmod	(ms)	5.4



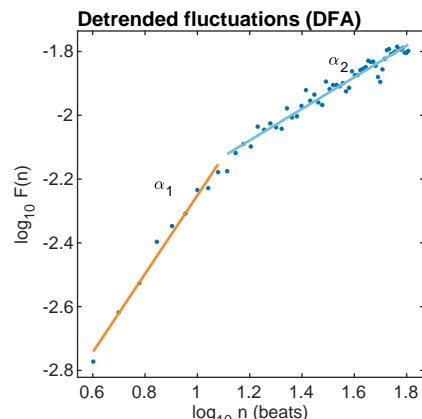
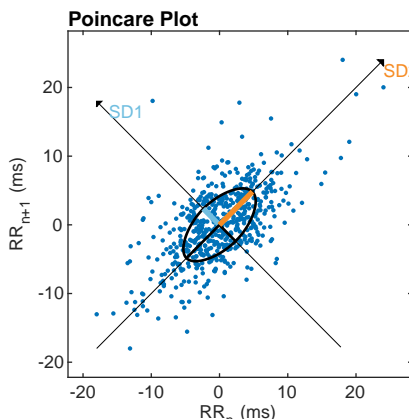
## Frequency-Domain Results (FFT spectrum)

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	0.080	0.203
Power	(ms <sup>2</sup> )	1	8	16
Power	(log)	0.000	2.120	2.788
Power	(%)	3.58	32.68	63.72
Power	(n.u.)		33.89	66.08
-----				
Total power	(ms <sup>2</sup> )	25		
Total Power	(log)	3.238		
LF/HF ratio		0.513		
RESP	(Hz)	0.25		



## Nonlinear Results

Variable	Units	Value
Poincare Plot		
SD1	(ms)	3.3
SD2	(ms)	6.8
SD2/SD1		2.047
Approximate Entropy (ApEn)		1.326
Sample Entropy (SampEn)		1.727
Detrended Fluctuation Analysis (DFA)		
Short-term fluctuations, $\alpha_1$		1.230
Long-term fluctuations, $\alpha_2$		0.496
Correlation Dimension (D2)		0.000
Recurrence Plot Analysis (RPA)		
Mean line length (Lmean)	(beats)	9.20
Max line length (Lmax)	(%)	292
Recurrence rate (REC)	(%)	27.41
Determinism (DET)		96.63
Shannon Entropy (ShanEn)		2.980
Multi-Scale Entropy (MSE)		0.504 - 1.916

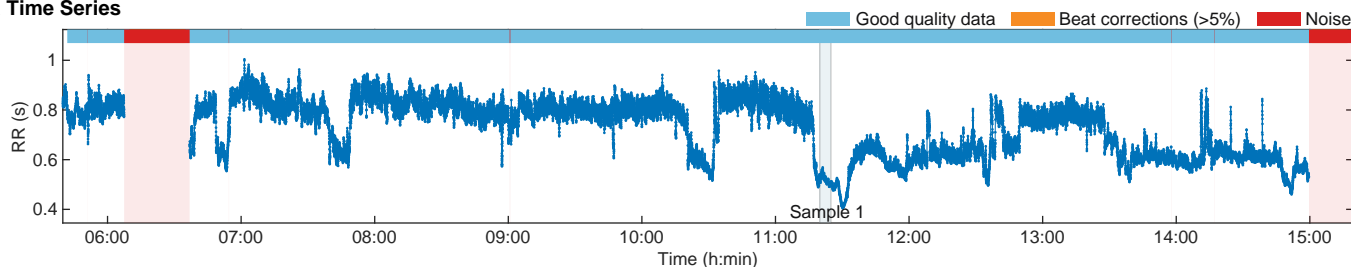


\*Results are calculated from the non-detrended selected RR series.

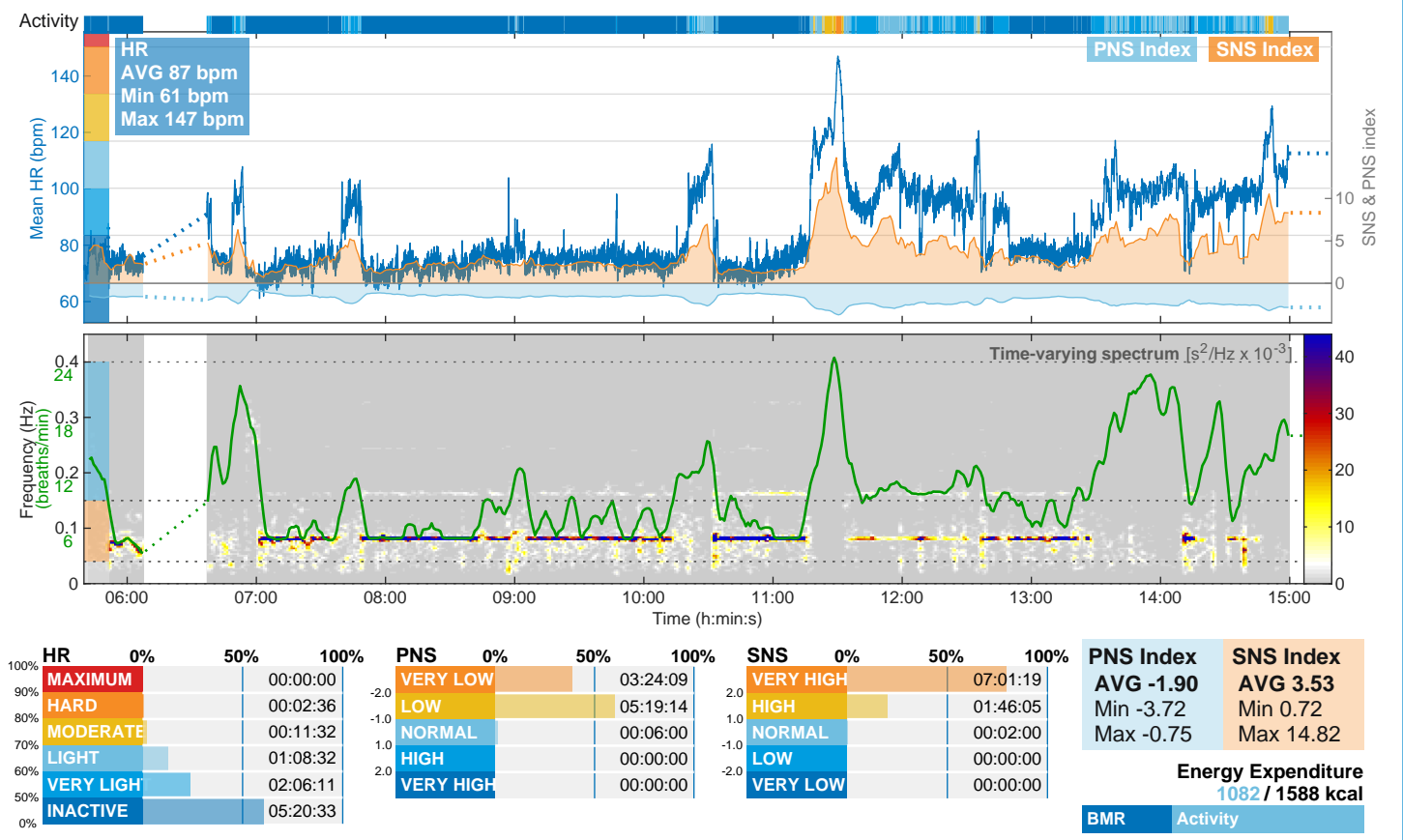
# HRV Analysis - Time-Varying Results

<b>Person: Stephanie White</b>		<b>Measurement Info</b>			<b>Results for the whole measurement</b>	
Gender: Female	Height: 153 cm	Date: 03.10.2017	Trend removal: Smoothn priors	Sample start: 05:42:25		
Age: 56 years	Weight: 74 kg	Start time: 05:39:55	Artefact corr.: Automatic correction	Sample length: 09:34:00		
Max HR: 167 bpm	BMI: 31.6 kg/m <sup>2</sup>	Duration: 09:39:35	Analysis samples: 1	Beats corrected: 116 (0.26 %)		

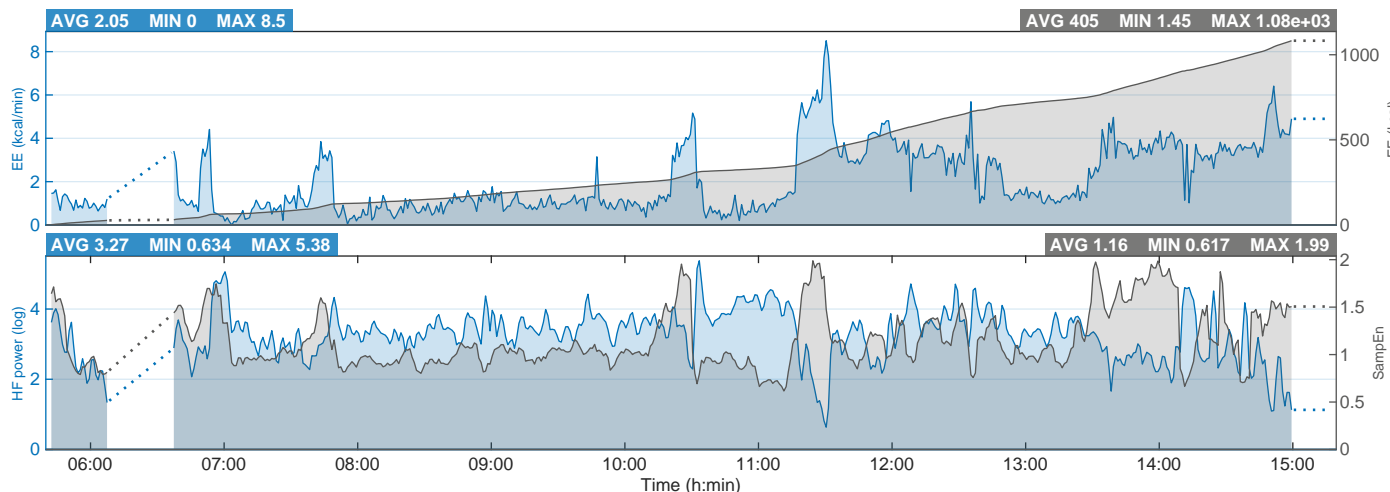
## RR Time Series



## Kubios HRV - Time-Varying Results



## Optional Time-Varying Parameters\*



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