

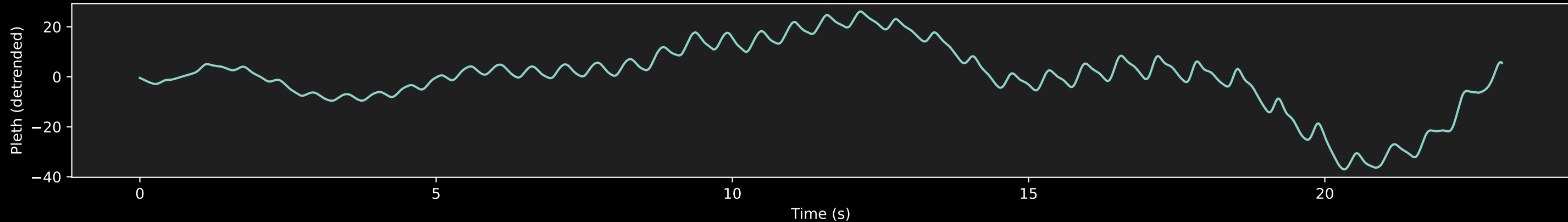
Extracted RR Features

rr_bpm_fft: 10.4348
rr_bpm_time: 10.4348
breath_count: 4
duration_s: 23.0000
bti_mean_s: 5.1460
bti_sd_s: 0.8513
bti_cv: 0.1654
ie_ratio_median: 1.1941
insp_median_s: 2.2069
exp_median_s: 2.4498
resp_power_ratio: 0.2376
fs_hz: 98.7826
rr_resolution_bpm: 2.6087

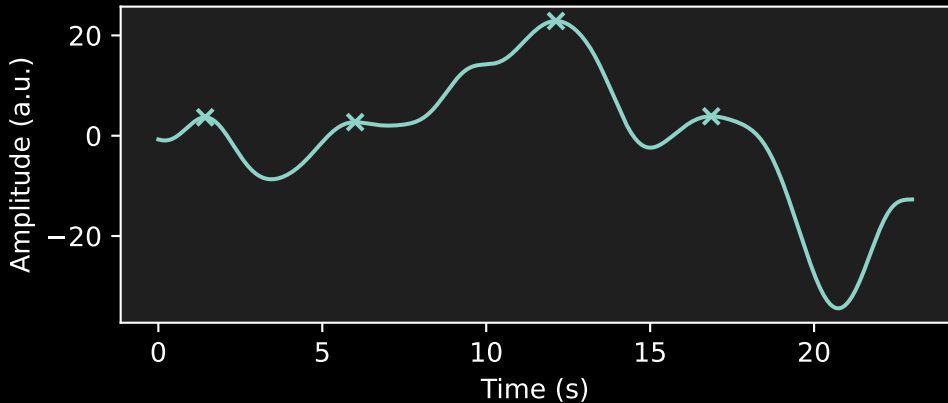
Interpretation

- RR 10.4 bpm (± 2.6) is below normal (bradypnea).
- I:E 1.19: prolonged inspiration (possible obstructive pattern).
- Breathing regularity is good (CV 0.17).
- Respiratory modulation is strong (power ratio 0.24).

Smoothed PPG (slow modulation)



Derived Respiration Signal (with peaks)



PSD (0-1 Hz). FFT RR ≈ 10.4 bpm

