Estimate time shift

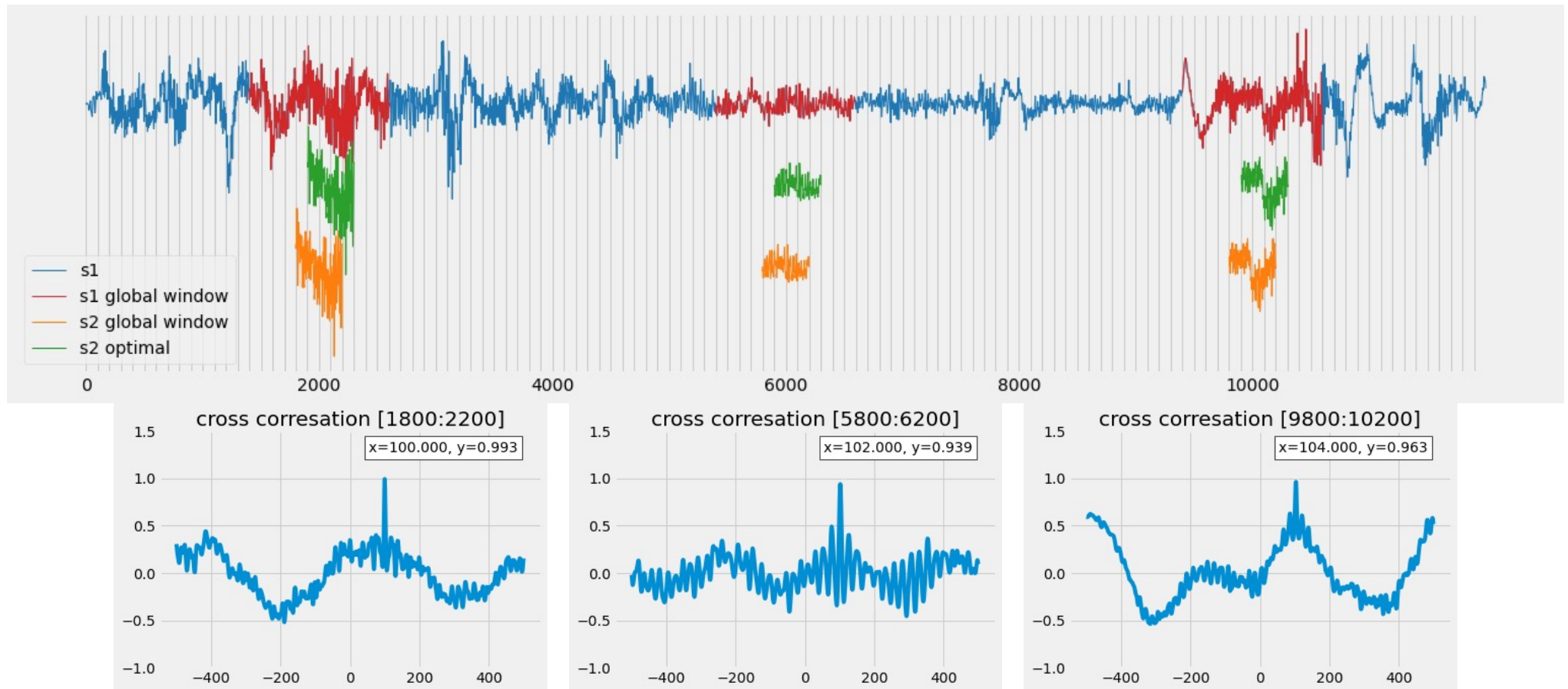# Synthetic shift of signal

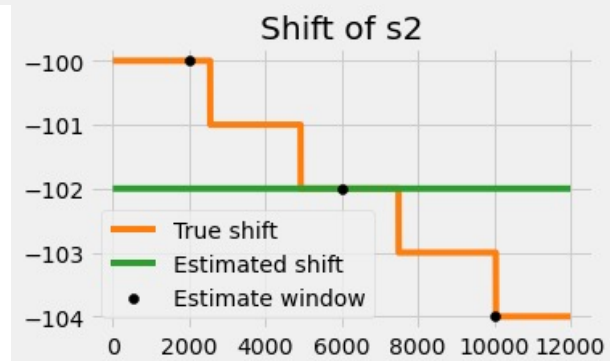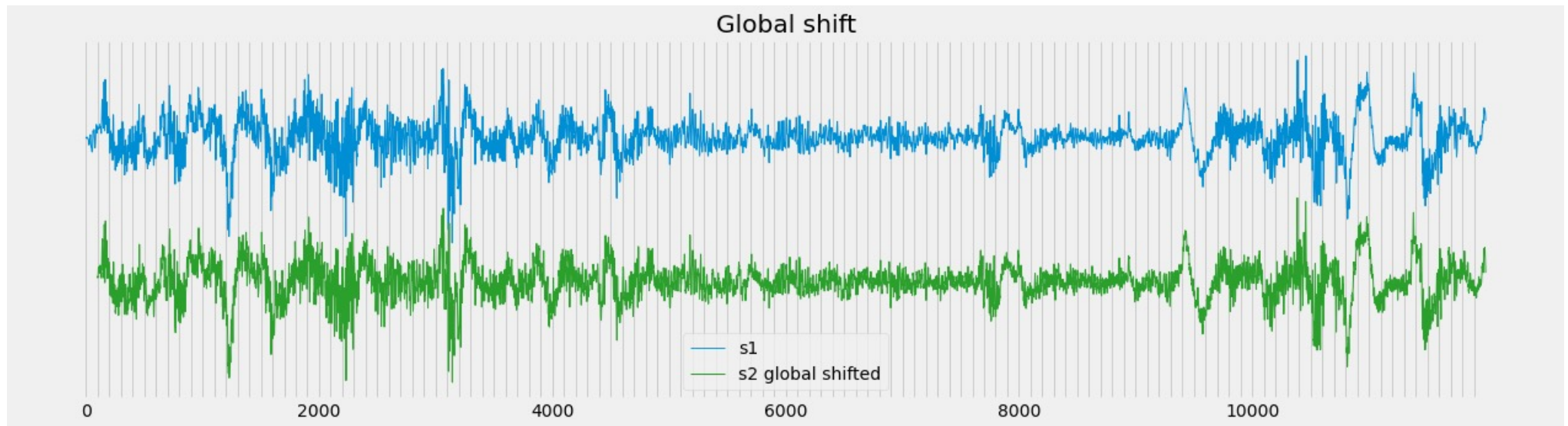Shifted psg signal, duration of 1 minutes

True shift of s2
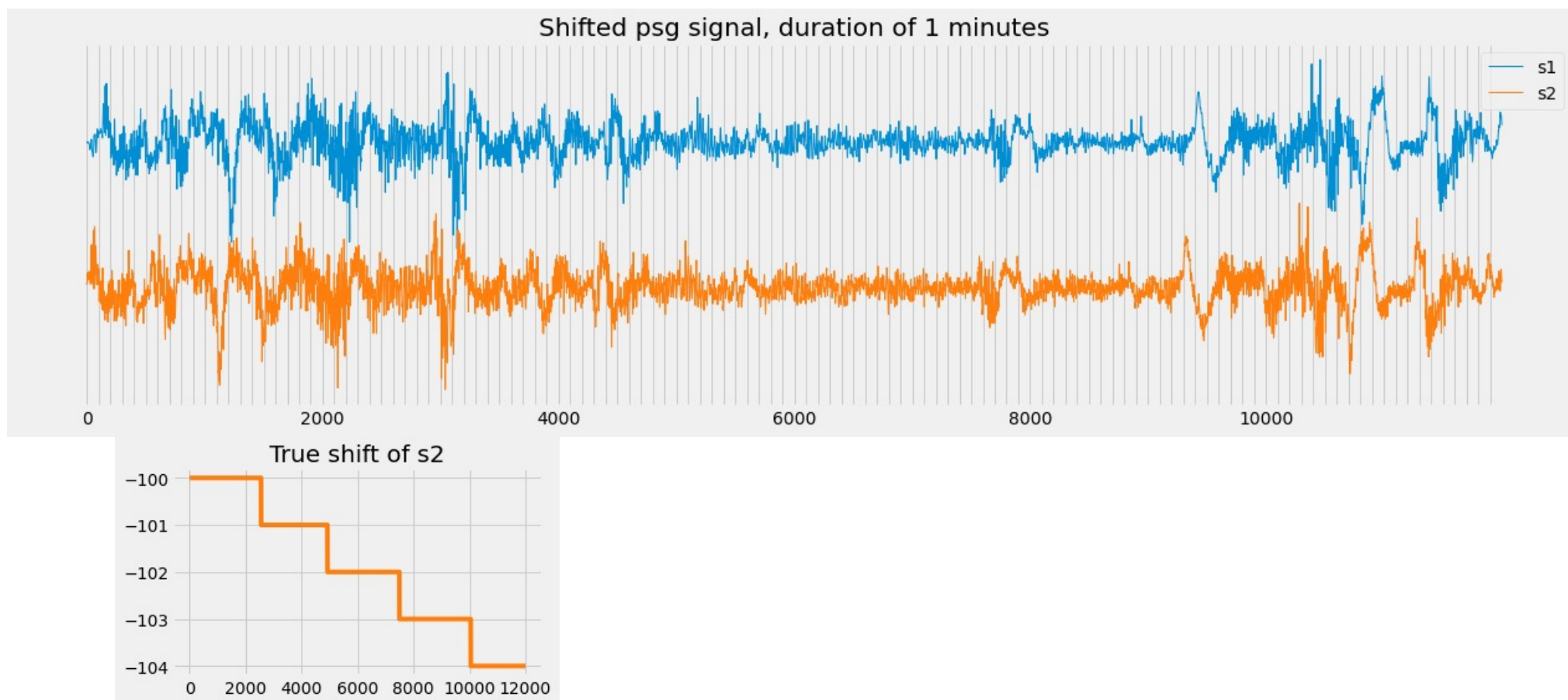
Global shift

- Estimate offset of shift
- Few large windows
- Search for large shift
- S2 is adjusted according to the median shift

# Global shift – Estimate shift for large windows

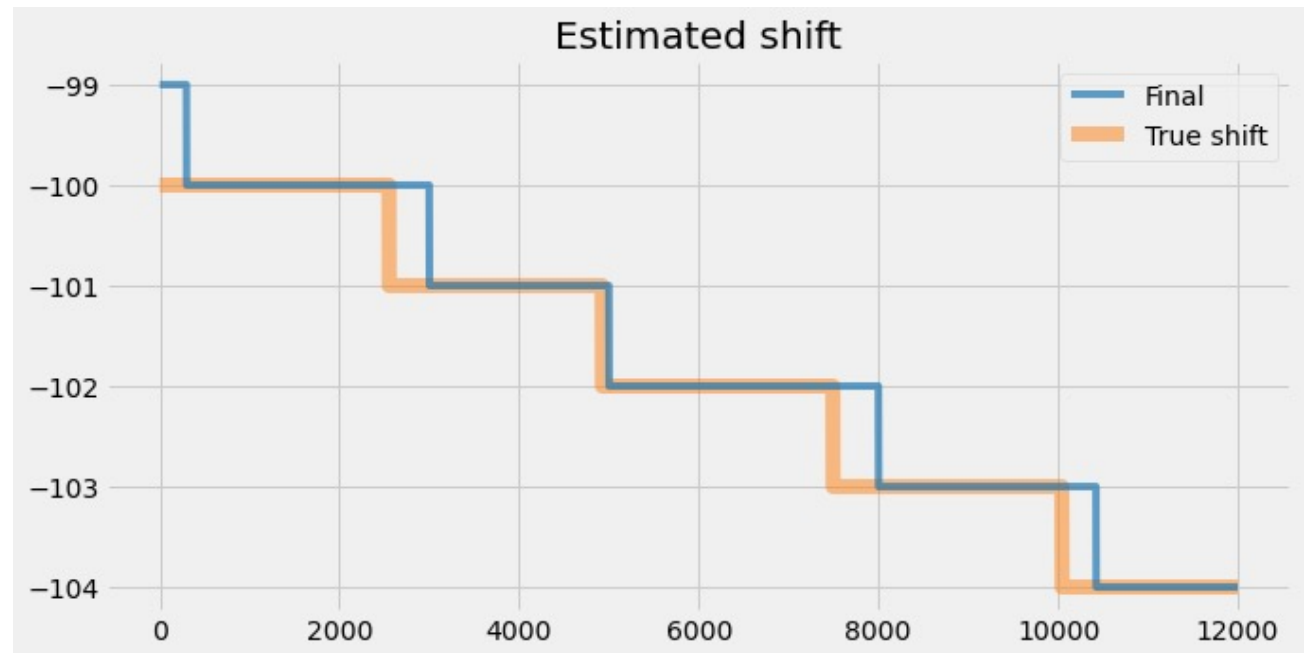# Global shift – Adjust series

Estimate drift in shift

- Split data up in segments with overlap
- Estimate local shift of the segment with sliding window
- Inner (non-overlapping) part of segment is assigned median of local local shift
- Estimate endpoints
- Shift each sample

Estimate shift of segment of series — Shift for segment
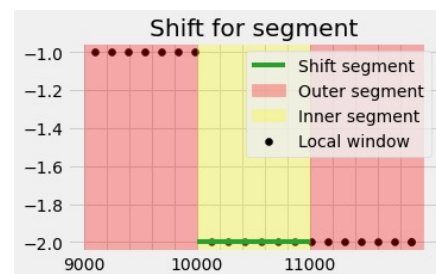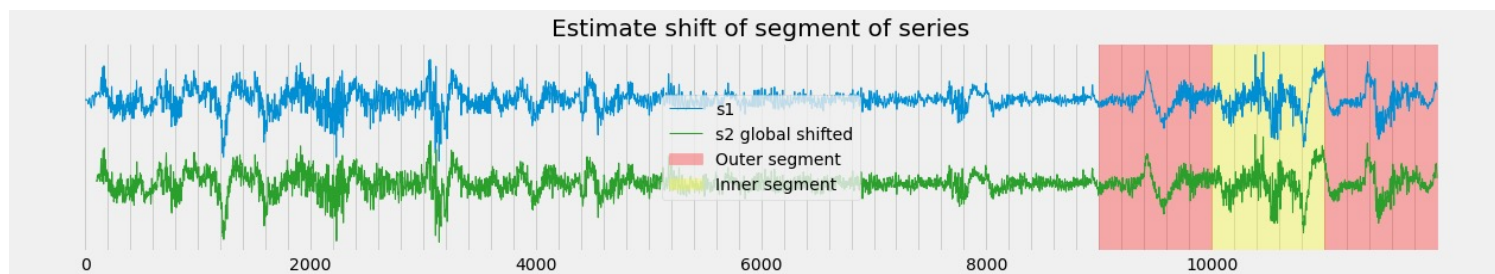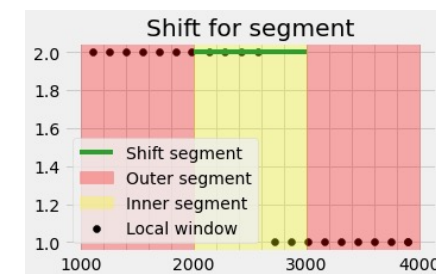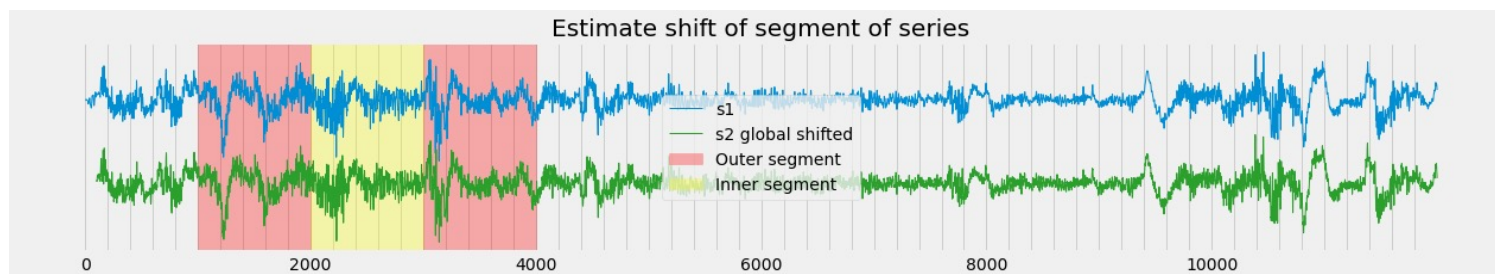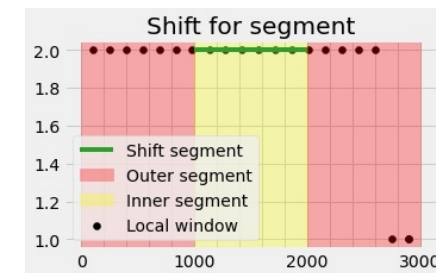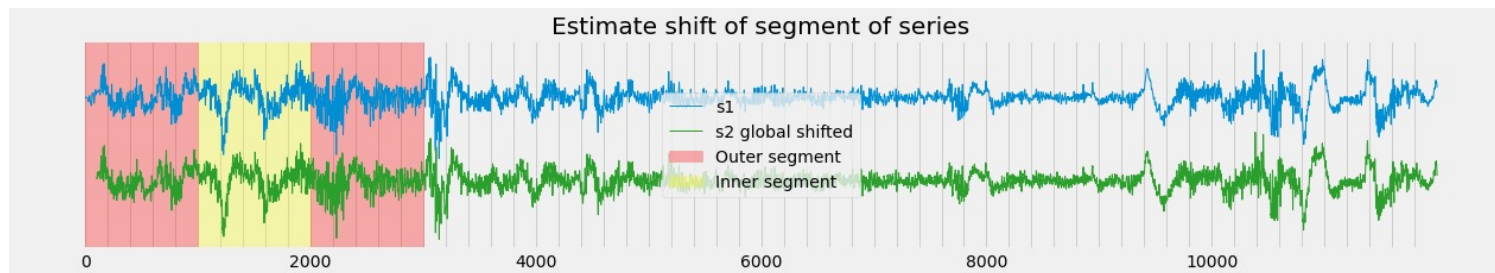
Estimated shift for signal

Smaller segments and
local window size give
greater precision.

Final shift