

Figure 1 displays a time series plot showing the evolution of seven channels (CH1 to CH7) and four derived variables (STP, SC, TO, RES) over a 24-hour period. The x-axis represents time in hours, ranging from 0 to 24. The y-axis for each channel is scaled from 0 to 6. The channels (CH1-CH7) show a noisy signal that is mostly zero, with a period of high activity (spikes) between approximately 10 and 17 hours. The derived variables (STP, SC, TO, RES) show step-like changes and spikes corresponding to the activity in the channels. STP and SC show a significant increase in activity around 10 hours, while TO and RES show a step-like increase around 17 hours.