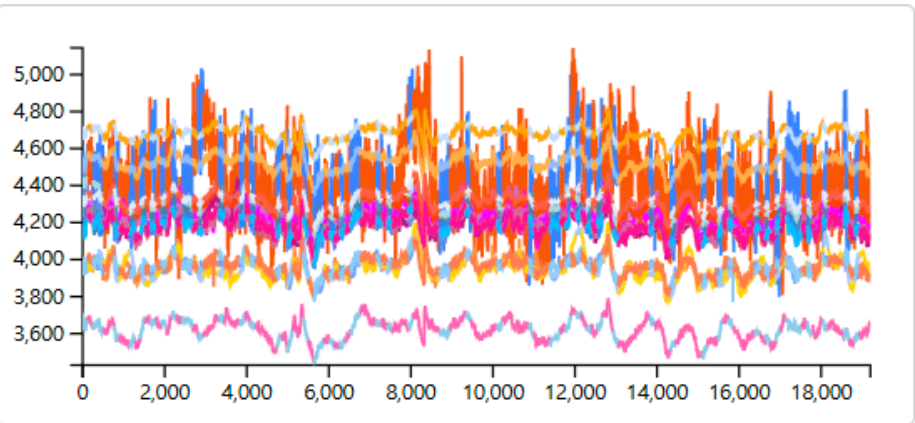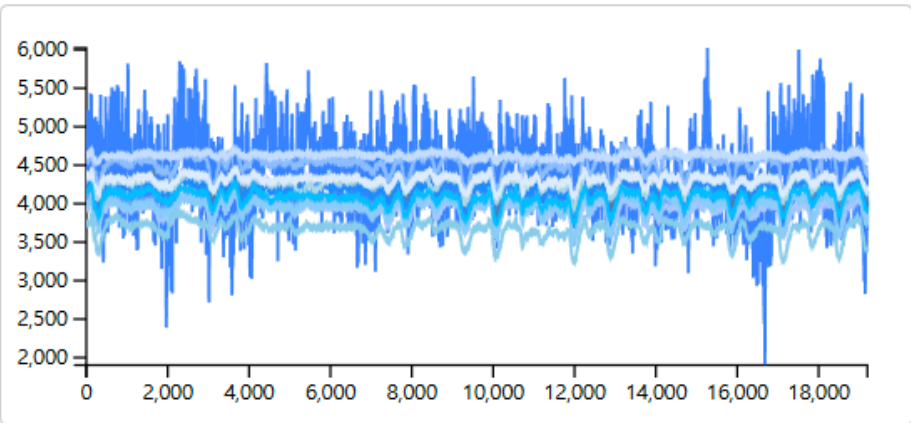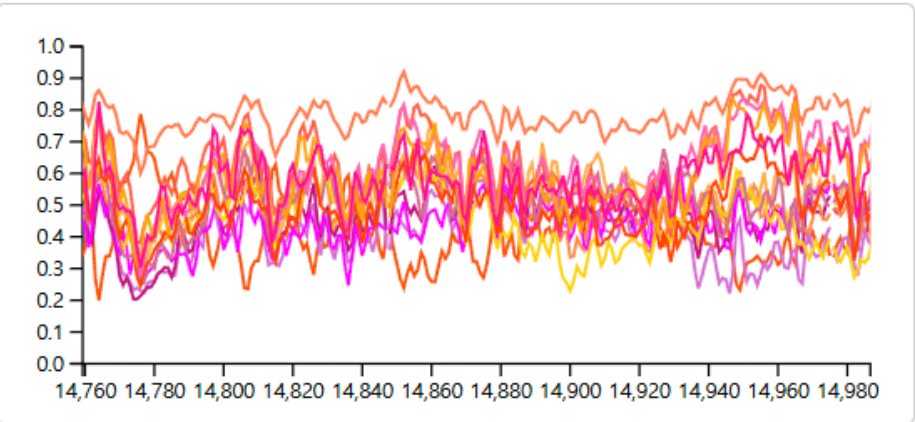# EEG graph

Before High Data
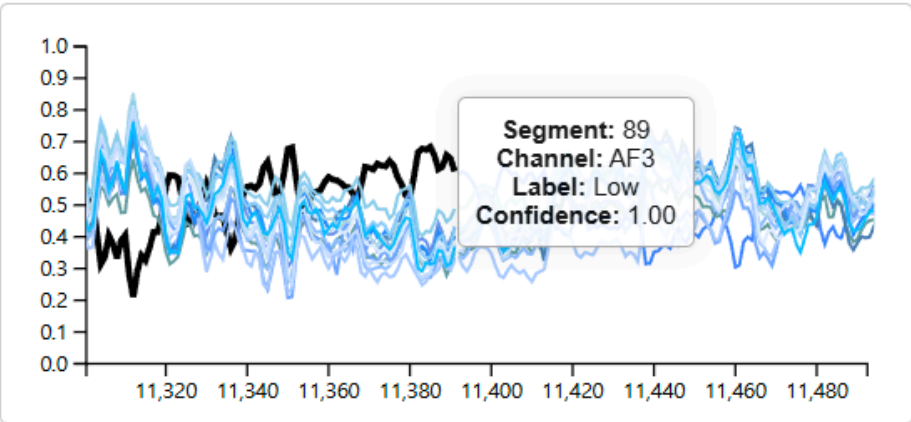

Before Low Data

After High Data

Total Segments: 158
Hi Count: 101 (63.92%)
Lo Count: 57 (36.08%)

After Low Data

Total Segments: 158
Hi Count: 0 (0.00%)
Lo Count: 158 (100.00%)

Segment: 89
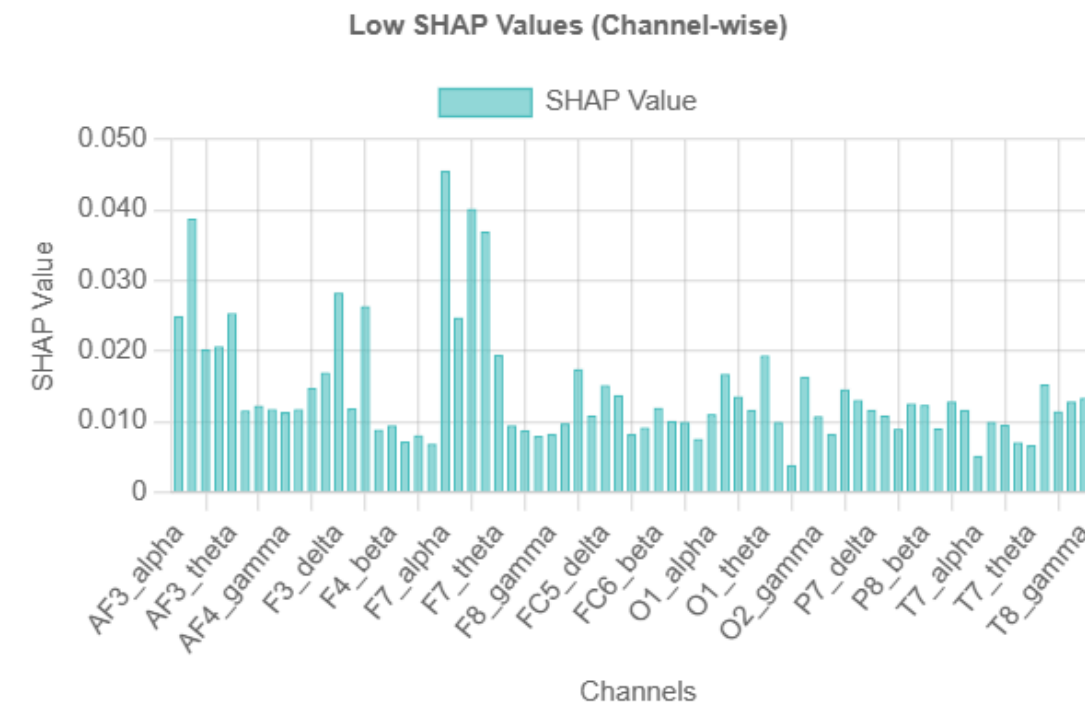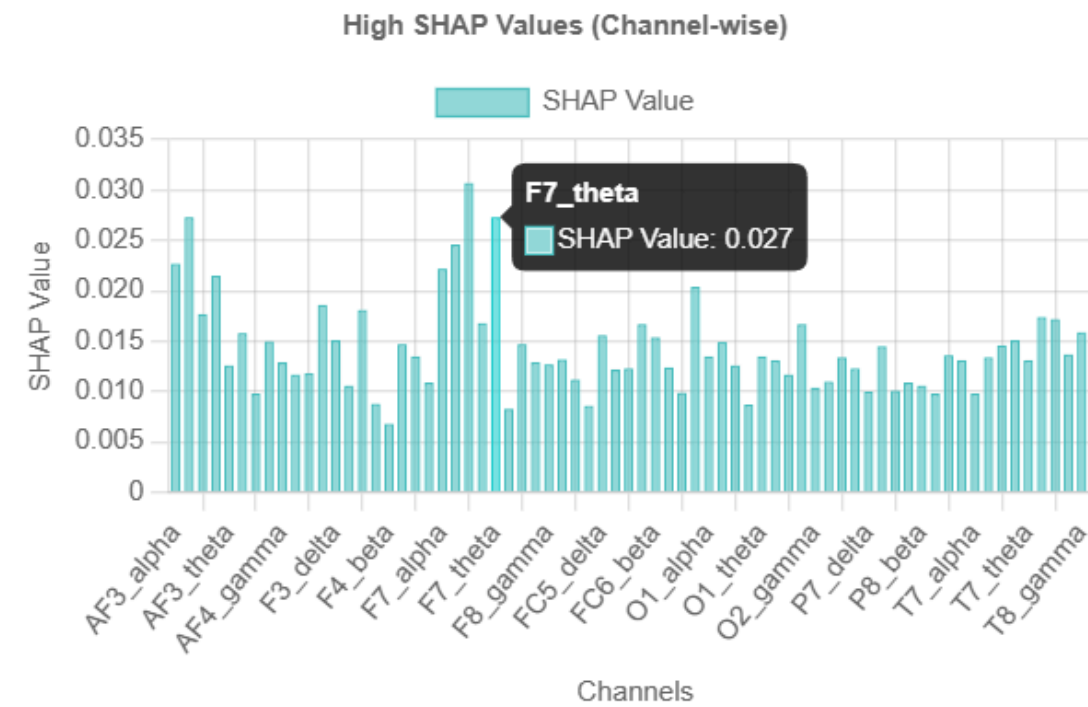Channel: AF3
Label: Low
Confidence: 1.00

RENDERED GRAPHS:
THE SYSTEM VISUALIZES THE RAW DATA OF THE SELECTED PARTICIPANT, DISPLAYING HIGH (HI) AND LOW (LOW) VALUES IN A GRAPH.
ADDITIONALLY, IT RENDERS THE PREPROCESSED DATA AND MODEL PREDICTIONS FOR HIGH (HI) AND LOW (LOW) VALUES.

INTERACTIVE GRAPH FEATURES:
THE GRAPHS CAN BE ZOOMED IN AND OUT USING A MOUSE FOR BETTER ANALYSIS.
TOOLTIPS ARE PROVIDED FOR EACH GRAPH SEGMENT, OFFERING DETAILED INFORMATION ABOUT THE DATA POINTS.
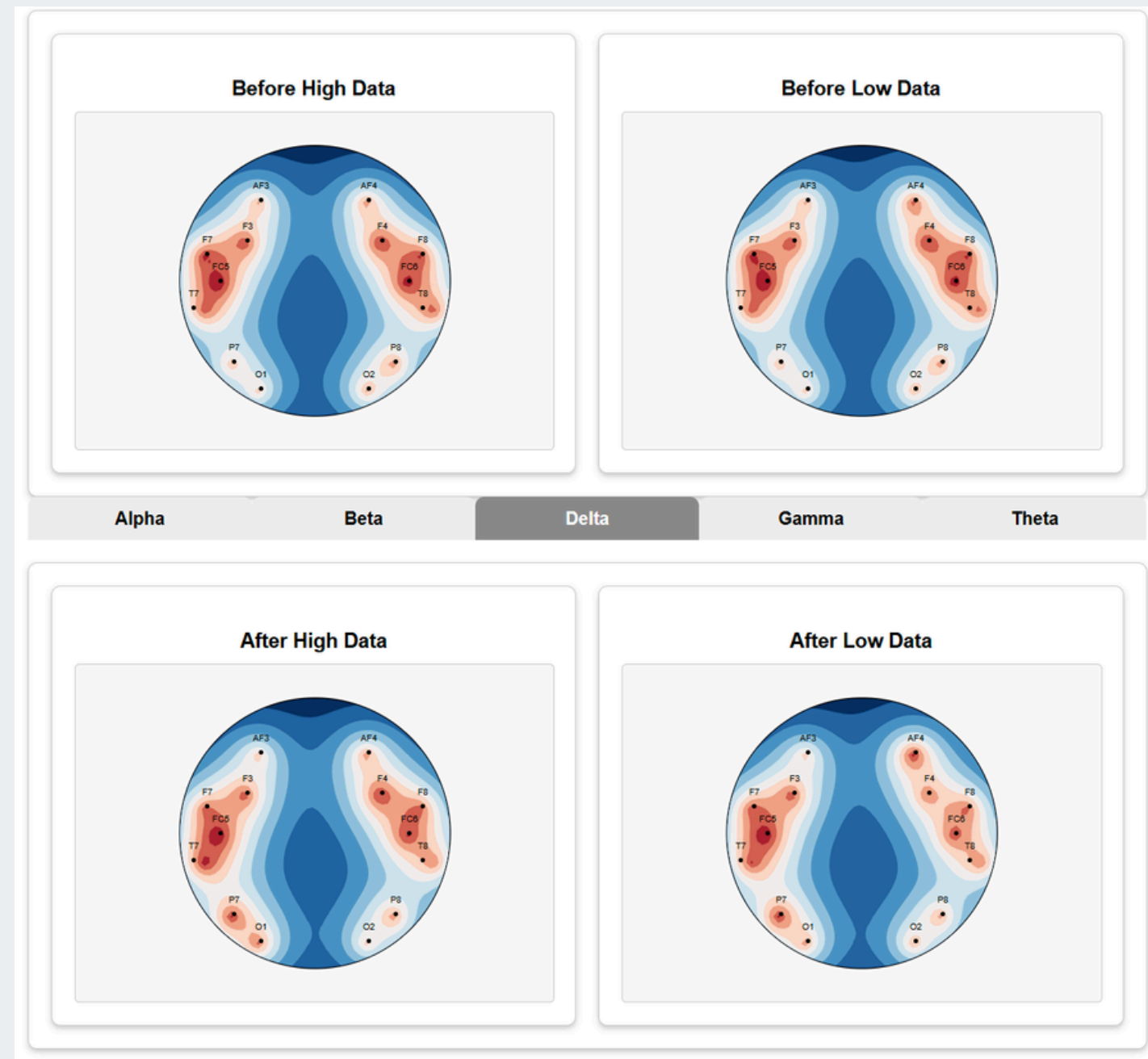
VISUALIZATION OF GRAPHS AND NORMALIZED SHAP VALUES

1. **GRAPH VISUALIZATION**:
   - THE NORMALIZED SHAP VALUES FOR EACH PREPROCESSED CHANNEL ARE VISUALIZED.
2. **LABEL INFORMATION:**
   - CNN VERSION: DISPLAYS VALUES FOR A TOTAL OF 14 LABELS.
   - CNN_FFT VERSION: DISPLAYS VALUES FOR A TOTAL OF 70 LABELS, CORRESPONDING TO CHANNEL + BANDWIDTH COMBINATIONS.

Contour Visualization Based on Error Range
Each channel's contour map is displayed using a red color scheme, where the larger the error range between the maximum (max) and minimum (min) values of the EEG data, the more intense the red color appears.