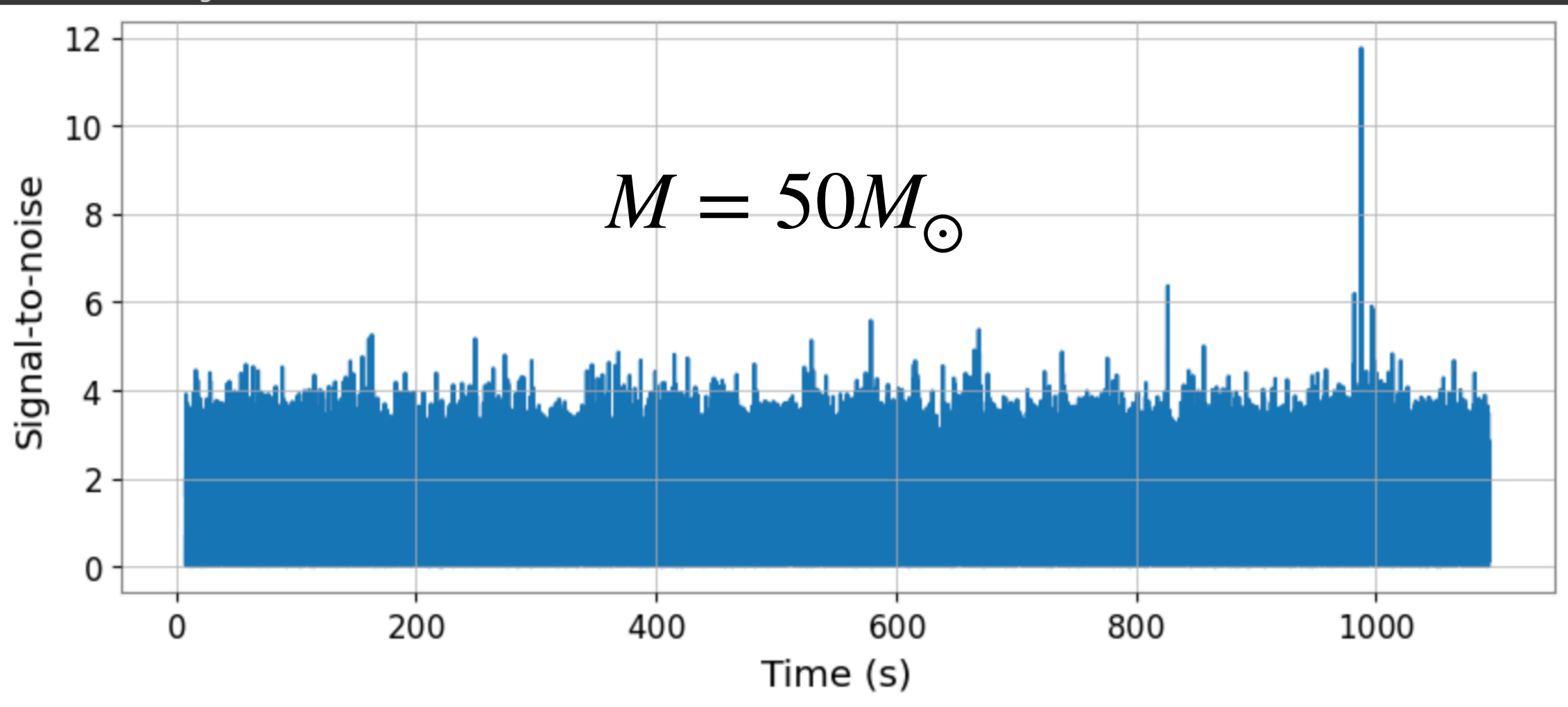


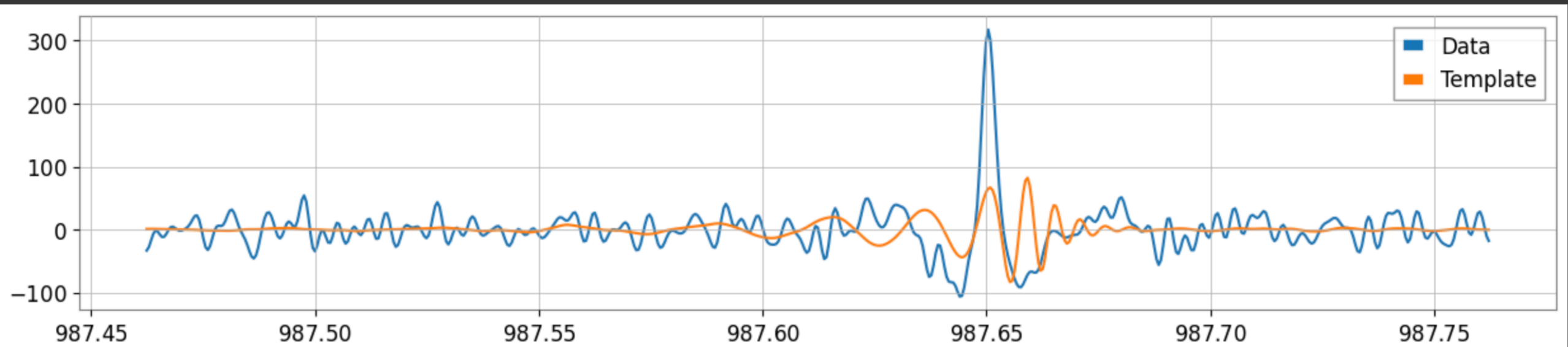
# Project Solutions

**Firstly, I divide the 4000 seconds into 4 parts and do a matched filtering on each part.**

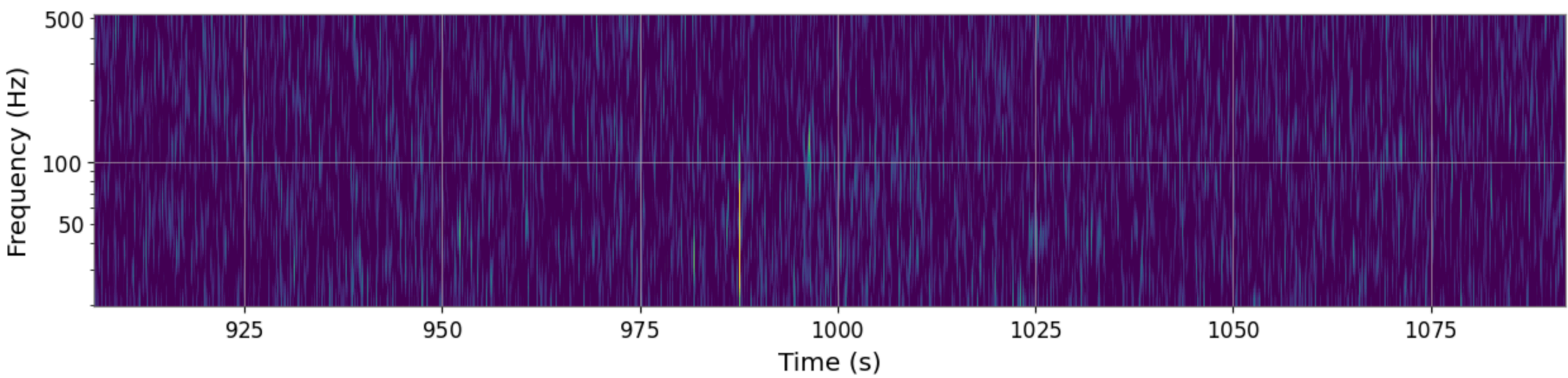


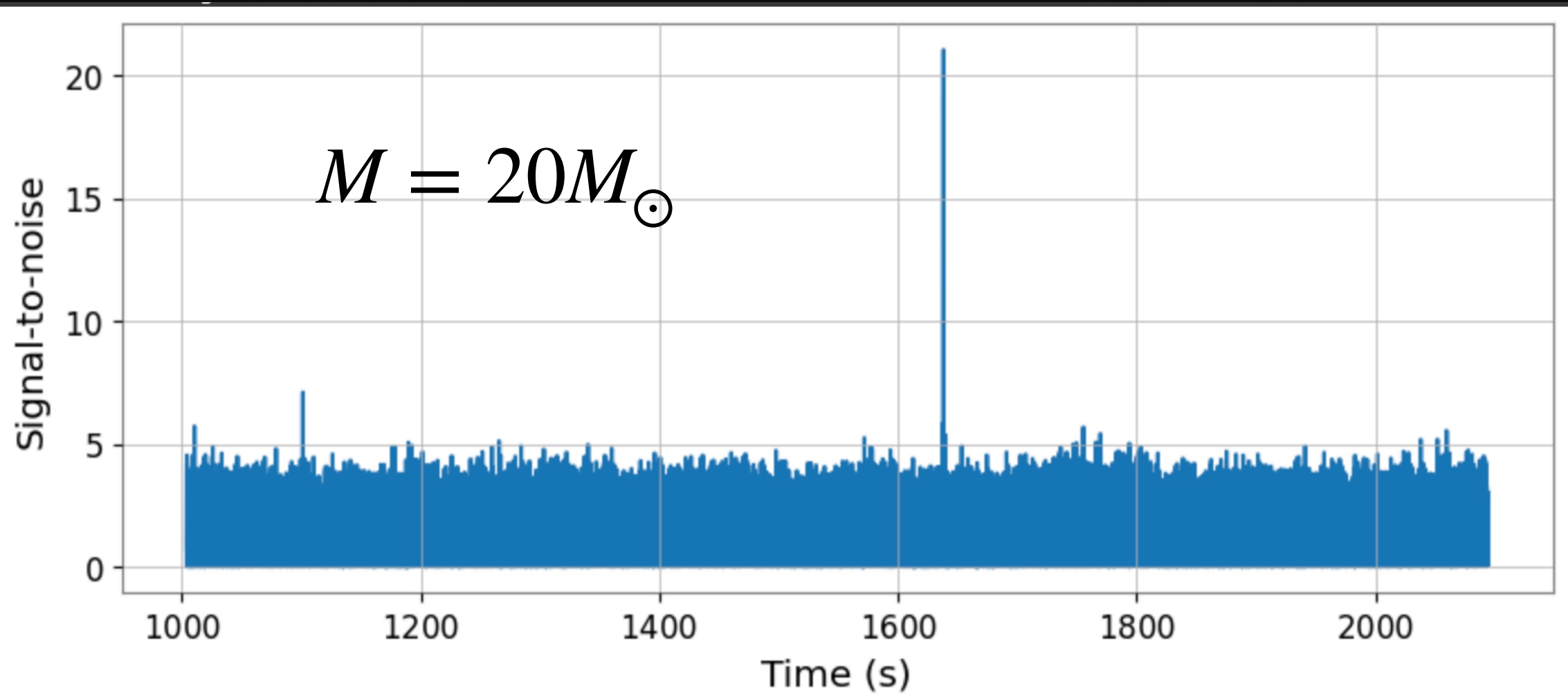
We found a signal at 987.6625976565002s with SNR 11.755672872340684

**It should be glitch!**



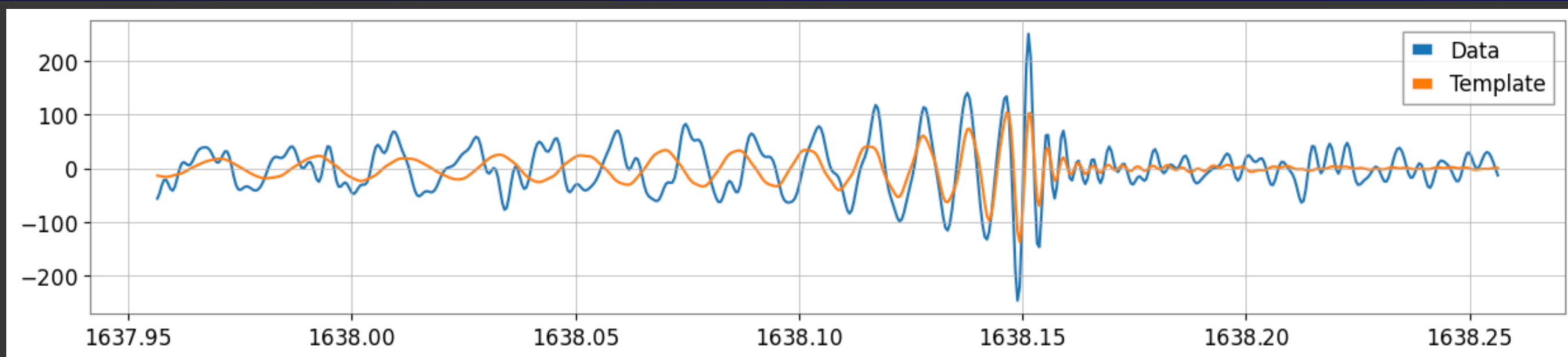


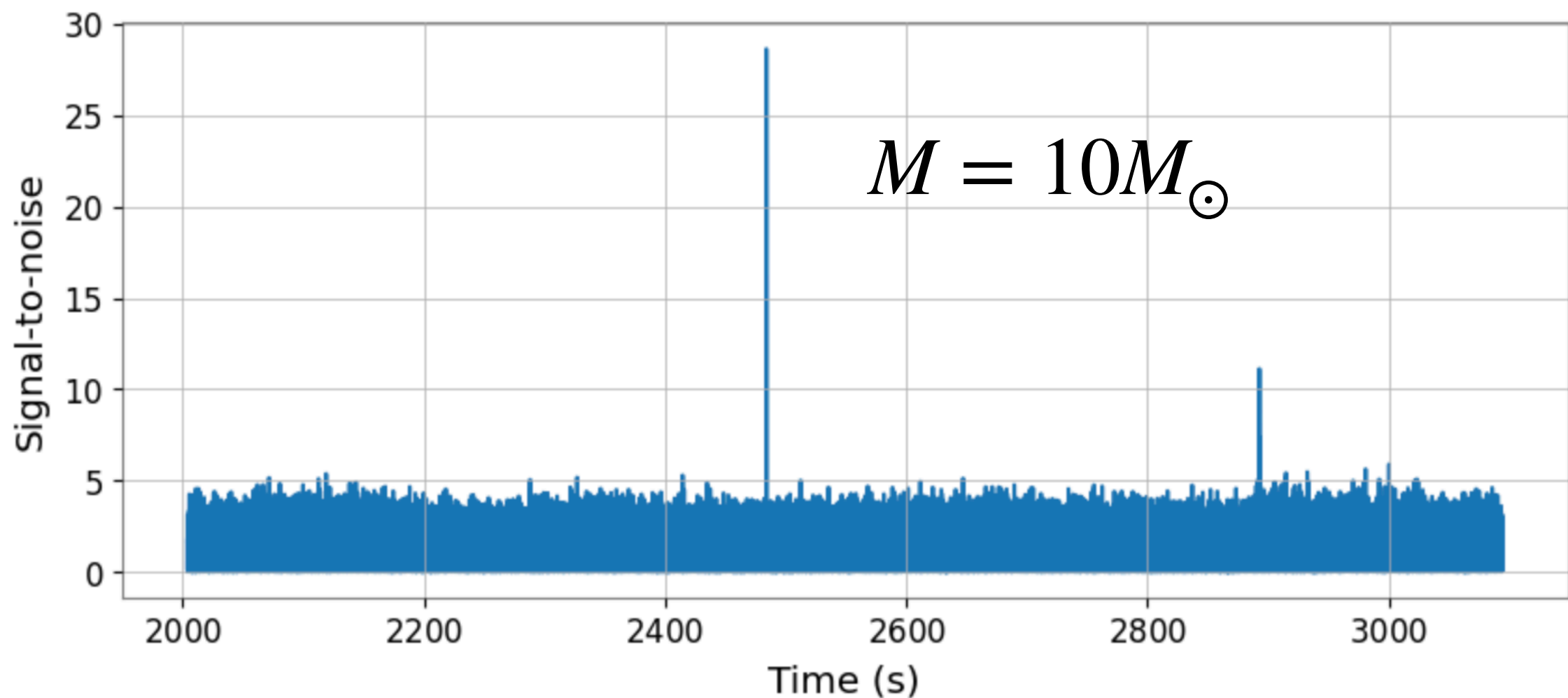




We found a signal at 1638.1567382815s with SNR 21.046543211582456

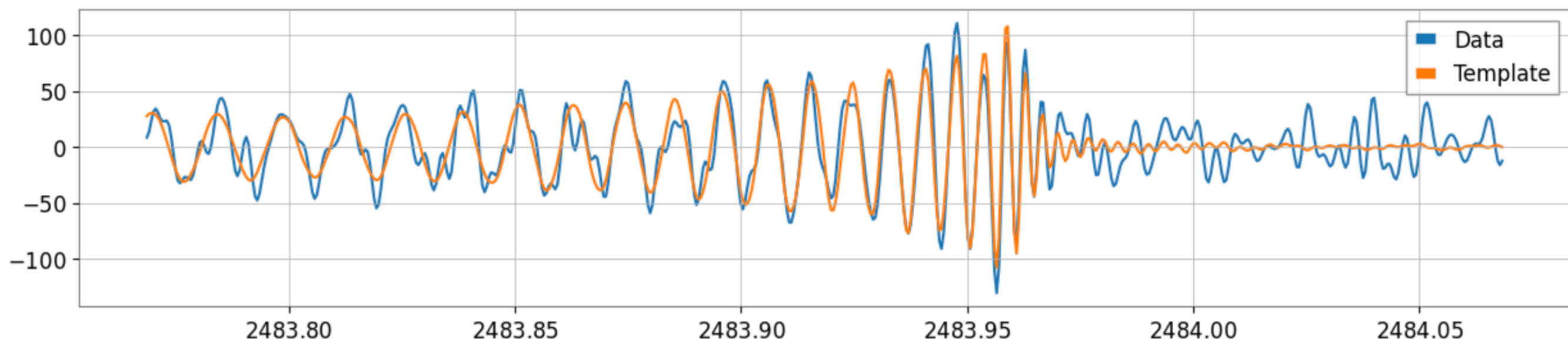
The same signal was detected by 30, 40, 50 but with lower SNRs



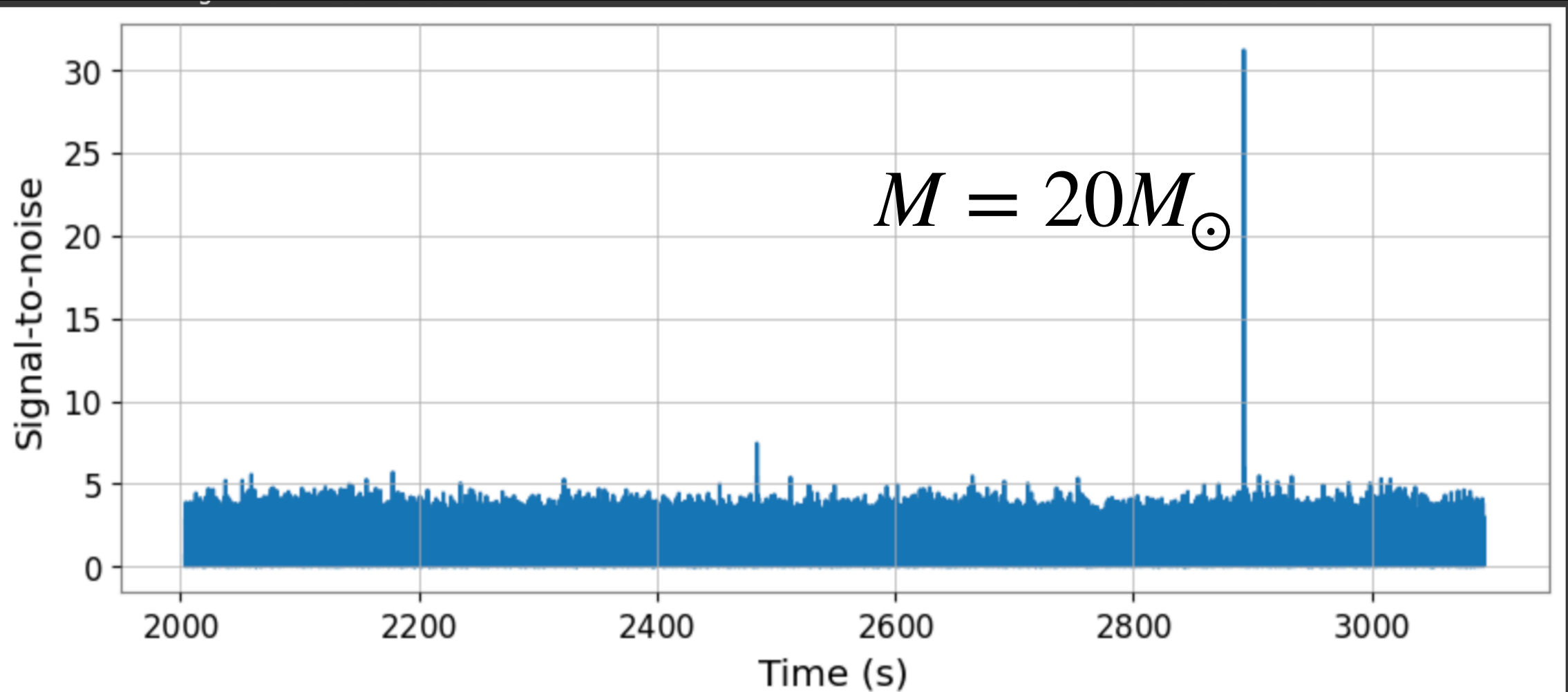


We found a signal at 2483.96875000025s with SNR 28.618375052922357

**It should be signal!**

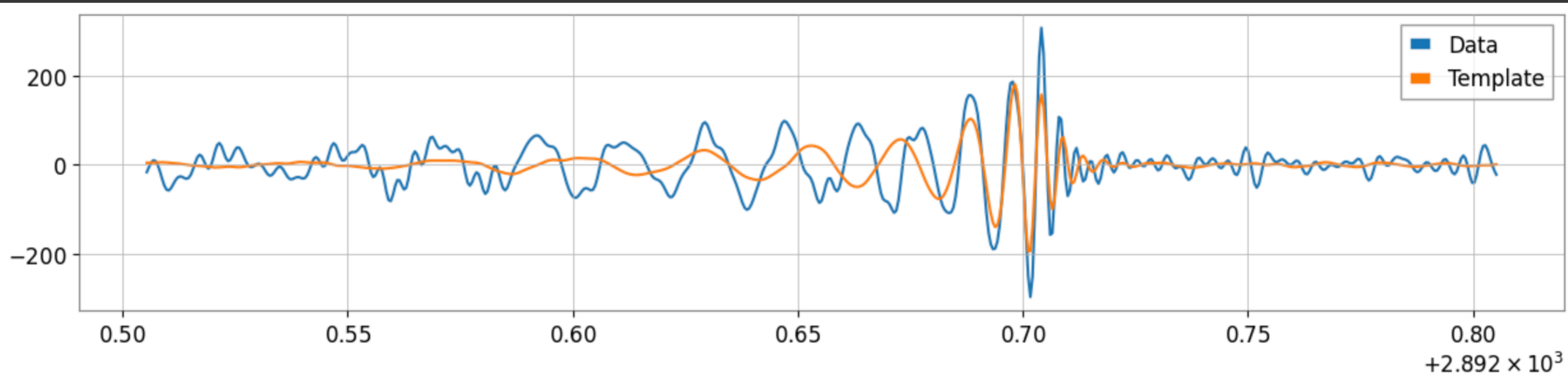


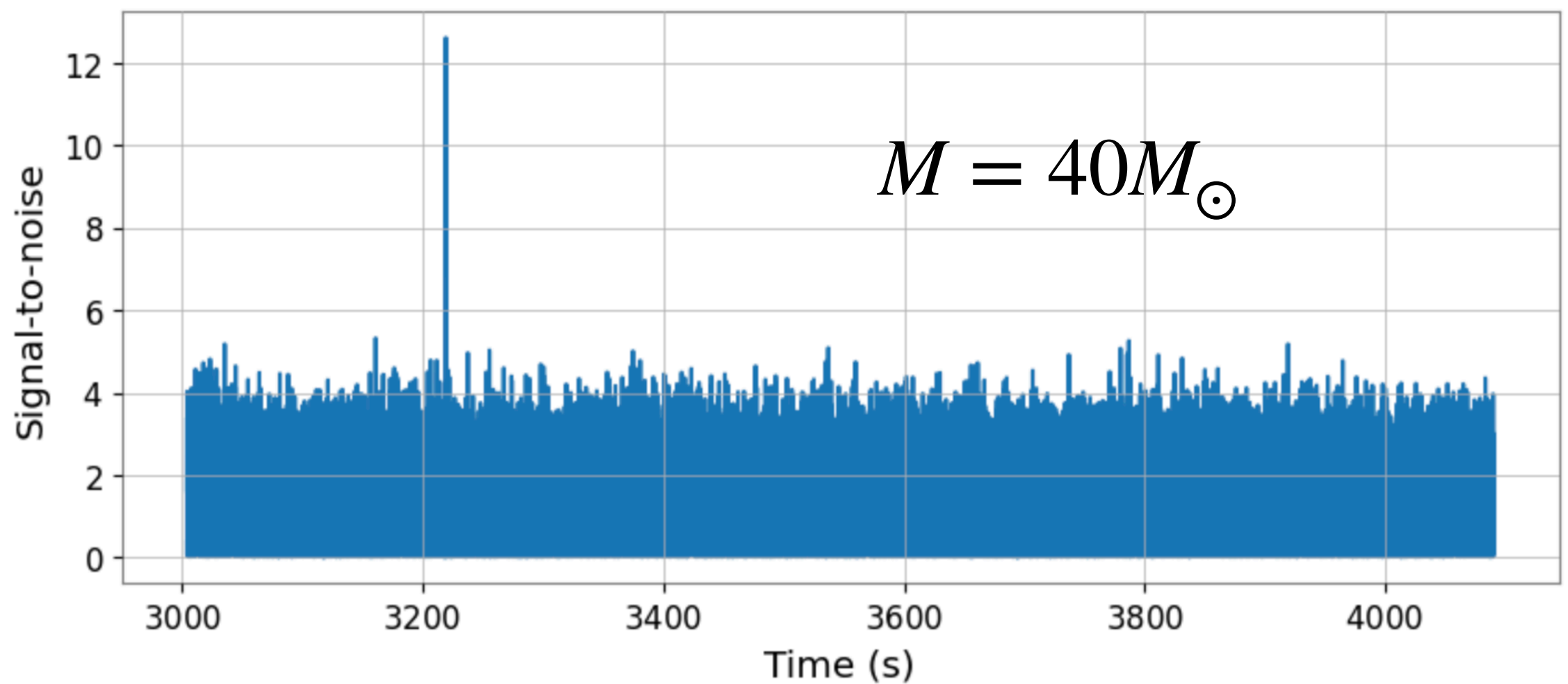




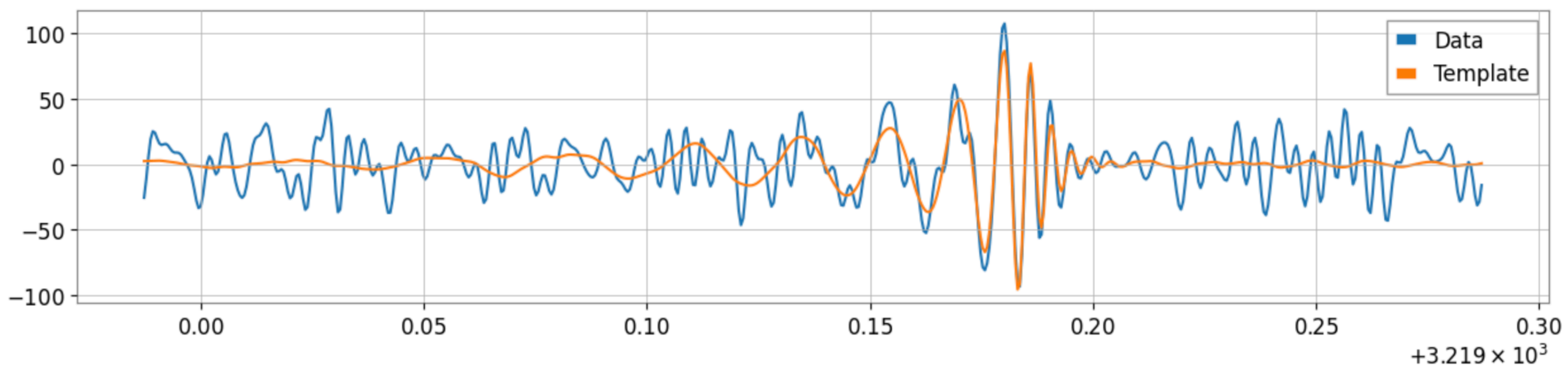
We found a signal at 2892.7114257815s with SNR 31.177523031447556

The same signal was detected by 30, 40, 50 but with lower SNRs





We found a signal at 3219.1875000025s with SNR 12.617186997213457





# Bilby Estimation

$$t = 2892.7114257815006$$

$$M_1 = M_2 = 21.77861061967204$$

# Bilby Estimation

$$t = 1638.1567382815$$

$$M_1 = M_2 = 17.853808962290117$$