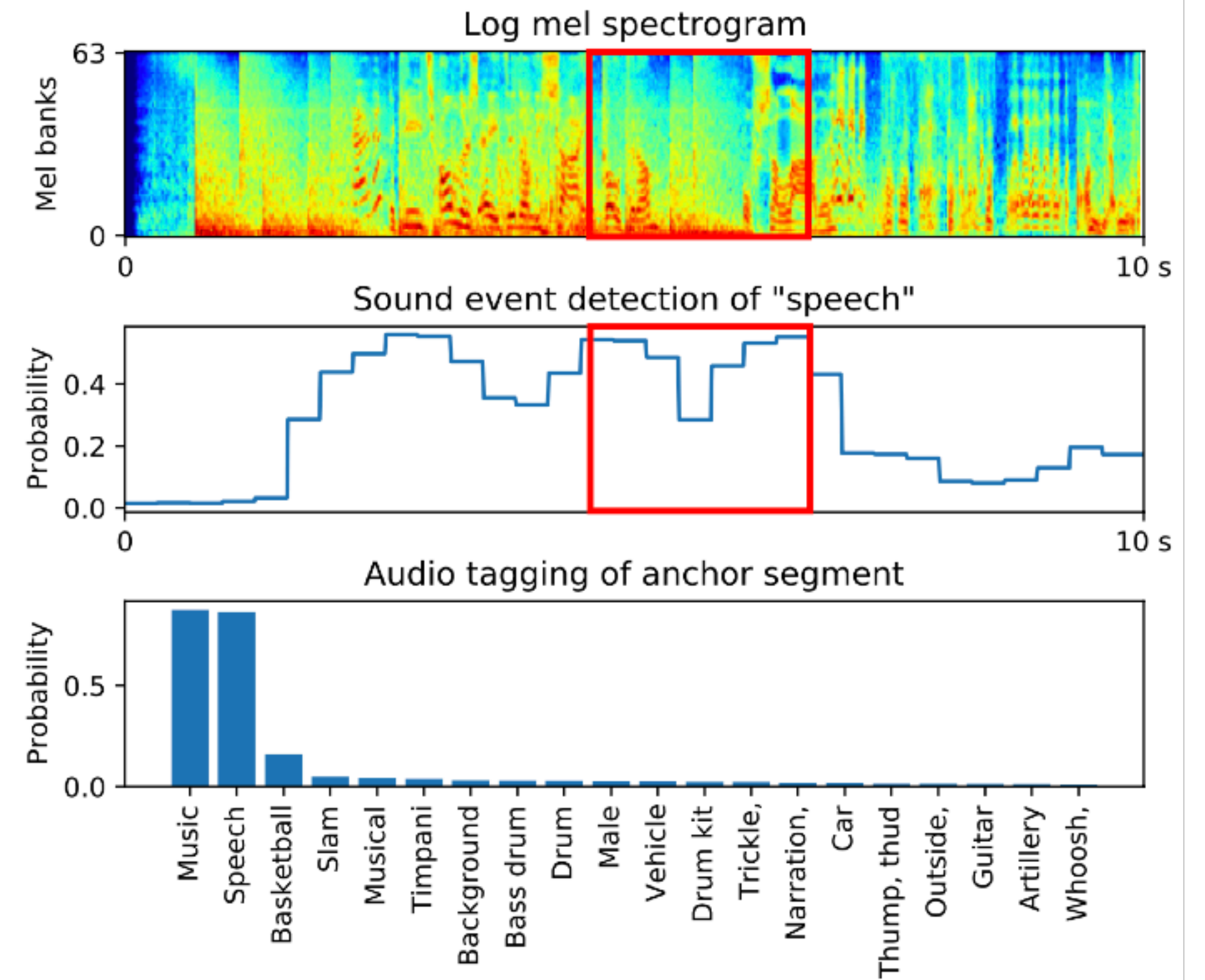


# Speech Enhancement

## Inference phase

- Method:  $f(m \mid c) \mapsto s$ 
  - $m$  is the given mixture signal
  - $c$  is the one-hot condition for speech.
  - $s$  is the separation target.

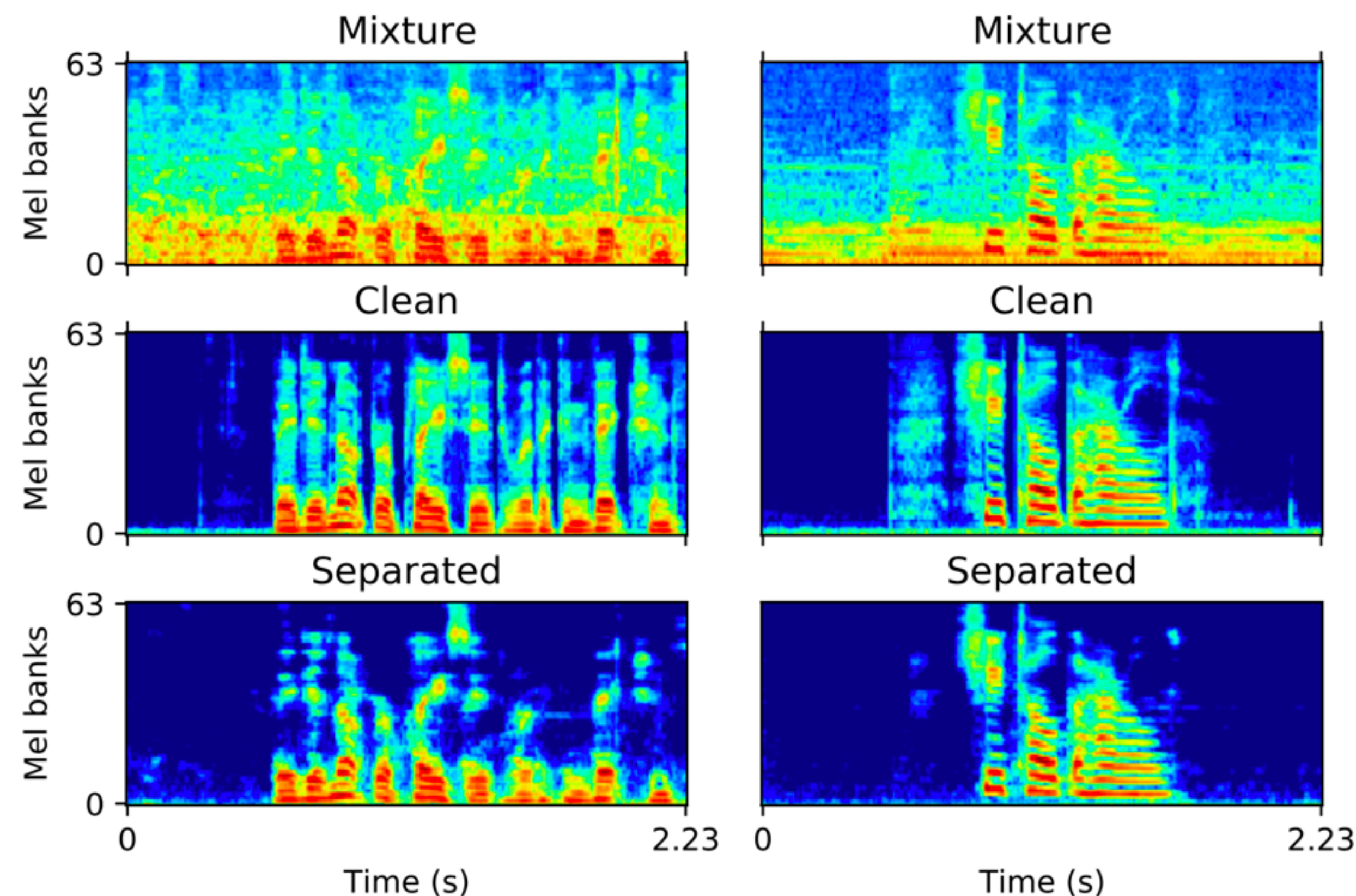


# Speech Enhancement

## Experiment results

**Table 1.** Speech enhancement results

	PESQ	CSIG	CBAK	COVL	SSNR
Noisy	1.97	3.35	2.44	2.63	1.68
Wiener [23]	2.22	3.23	2.68	2.67	5.07
SEGAN [12]	2.16	3.48	2.94	2.80	7.73
Wave-U-Net [24]	2.40	3.52	3.24	2.96	9.97
Proposed	2.28	2.43	2.96	2.30	8.75



- Not SOTA, but at least worked.
- Some details, especially in the higher frequency, are lost.