RESULTS OF BEST PERFORMING MODELS IN TERMS OF ER ON THE TUT-SED 2016 & 2017 DATASET.

	TUT-SED 2016 - Home							
	Development				Evaluation			
Features	LogMels	Binaural LogMels	STFT	Binaural STFT	LogMels	Binaural LogMels	STFT	Binaural STFT
CNN	11.15	11.58	1.06	1.07	6.80	8.43	0.95	0.92
CapsNet	0.58	0.59	0.44	**0.39**	0.74	0.75	**0.61**	0.69
	TUT-SED 2016 - Residential Area							
Features	LogMels	Binaural LogMels	STFT	Binaural STFT	LogMels	Binaural LogMels	STFT	Binaural STFT
CNN	3.24	3.11	0.64	1.10	2.36	2.76	1.00	1.35
CapsNet	0.36	0.34	0.32	**0.32**	0.72	0.75	0.78	**0.68**
	TUT-SED 2016 - Averaged							
CNN	7.20	7.35	0.85	1.09	4.58	5.60	0.98	1.14
CapsNet	0.47	0.47	0.38	**0.36**	0.73	0.75	0.70	**0.69**
Baseline			0.91				0.88	
SoA			0.78				0.79	
	TUT-SED 2017							
	Development				Evaluation			
Features	LogMels	Binaural LogMels	STFT	Binaural STFT	LogMels	Binaural LogMels	STFT	Binaural STFT
CNN	1.56	2.12	0.57	0.60	1.38	1.79	0.67	0.65
CapsNet	0.45	0.42	**0.36**	0.36	**0.58**	0.64	0.61	0.64
Baseline			0.69				0.93	
SoA			0.52				0.79	