OlChurch

Room impulse response (RIR) data were recorded defining the acoustic transfer function from 10 loudspeakers, at different heights, to a sound-field microphone. Each RIR is 65536 samples at 44.1 kHz. The dataset was captured in the old chapel of the Emmanuel Church, Guildford, UK, in July 2015. The dataset comprises a .zip containing .wav, referring to the sound-field microphone recordings for each loudspeaker. Reported in a .txt file together with the .wav there is a description of the dataset. An overview of the dataset is provided here below.

Considering the centre of the sound-field microphone as the centre of the Cartesian coordinate system:

- The sound-field has z-axis value equal to 0. The floor is at z=-0.97m.
- The loudspeakers are at different elevations. Their coordinates are:

	Ls1	**Ls2**	**Ls3**	**Ls4**	**Ls5**	**Ls6**	**Ls7**	**Ls8**	**Ls9**	**Ls10**
X(m)	0	2.50	2.50	-2.50	-2.50	0	-4.70	4.70	-4.70	4.70
Y(m)	5.00	4.33	4.33	4.33	4.33	5.00	-1.71	-1.71	-1.71	-1.71
Z(m)	-0.28	1.53	-0.28	1.53	-0.28	1.53	-0.28	1.53	1.53	-0.28