Characterization of Urban Air Mobility Vehicle Operational Noise and Community Noise Impact

Le Transport Urbain de Passagers par Aéronefs Electriques (Urban Transportation of Passengers by e-VTOL)

Stephen A. Rizzi
stephen.a.rizzi@nasa.gov
NASA Langley Research Center, Hampton, VA, 23681, USA

Sound File Listing

The sound files on slide 12 are listed below and may be downloaded as 32-bit floating point wave files at https://stabserv.larc.nasa.gov/flyover/ .

File Name	Description	Time slice presented (s)
qtonal.wav	Quadrotor periodic noise at the source	6-11
q1.8sn.wav	Quadrotor broadband self noise with 1.8mm trailing edge thickness at the source	6-11
q7.2sn.wav	Quadrotor broadband self noise with 7.2mm trailing edge thickness at the source	6-11
Quad_auralization_7.2mm.wav	Combined Quadrotor periodic and broadband self noise (with 7.2mm trailing edge thickness) at a ground observer.	6-16