

Sonic boom experiments at Edwards air force base

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Résumé ou extrait : A series of tests was conducted in which human subjects (located indoors and outdoors), special test structures, and animals were exposed to booms from F-104, F-106, B-58, SR-71, and XB-70 supersonic aircraft, and the noise from KC-135 and WC-135B subsonic aircraft. Physical measurements were made of the sonic boom signatures, subsonic aircraft noise, and the response of structures to the booms and noise. Psychological measurements were made of the subjective acceptability to several hundred subjects of the booms and subsonic aircraft noise. Details of the test plan and procedures, and the results of the data analyzed to date are presented

Sujet - Nom commun : Bang sonique -- Expériences
Bruit aérodynamique -- Expériences
Expérimentation humaine en médecine
Expérimentation humaine en psychologie

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