Biographical Data

Lyndon B. Johnson Space Center
Houston, Texas 77058

National Aeronautics and
Space Administration

NAME: Deborah L. Harm, Ph.D.

TITLE: Senior Scientist for Human Adaptation and Countermeasures Office, Neuroscience Laboratories.

BIRTHPLACE: Ohio

EDUCATION: Deborah L. Harm received her doctoral degree from Ohio University in 1985 with research emphasis in psychophysiology.

RESIDENCE: Houston, Texas

SPECIAL HONORS AND AWARDS: Dr. Harm received the NASA Space Act Award for her contributions to the scientific and technical development of PAT (preflight adaptation training). She has authored more than 100 publications, including peer-reviewed articles, book chapters, published abstracts and technical papers.

EXPERIENCE:
Dr. Harm has worked in the Neuroscience and Psychology & Behavior Laboratories at NASA Johnson Space Center for 18 years. She served as the Manager of the Neuroscience Laboratory for five years and as a visiting scientist at the Virtual Environment Research Institute at the University of Houston for a year and a half. She has been responsible for developing numerous space flight and ground-based experiments, and techniques for preflight adaptation and postflight readaptation of neurosensory and sensorimotor functions. In addition she is involved in investigations concerning autonomic and gastric function associated with space motion sickness (SMS), and the effects of antimotion sickness medications on performance.

For the past 16 years, Dr. Harm has served as chief scientist for the preflight adaptation training (PAT) project. She serves as an advisor for the NASA Graduate Student Research Program, NRC Postdoctoral Research Fellowships program, and the UTMB/NASA Space Medicine Fellowship program. She is also a faculty member at the University of Texas Graduate School of Biomedical Sciences. Dr. Harm also served as the Neuroscience, and the Psychology and Behavior Discipline Coordinating Scientist for development of the Human Research Facility (HRF) onboard the International Space Station. Finally, Dr. Harm was also responsible for the development of a compact, lightweight digital Ambulatory Physiologic Recording System, and recently received a NASA Tech Brief Award for this work.

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