

DESIGNING MEDICAL SUPPORT FOR A NEAR-EARTH ASTEROID MISSION

S.D. Watkins¹, J.B. Charles², C.E. Kundrot², Y.R. Barr¹, K.N. Barsten³, D.A. Chin⁴, E.L. Kerstman¹, and C. Otto⁵

¹*The University of Texas Medical Branch, Galveston, Texas*; ²*NASA Johnson Space Center, Houston, TX*; ³*Enterprise Advisory Services, Inc., Houston, TX*; ⁴*Wyle Integrated Science and Engineering, Houston, TX*; ⁵*Universities Space Research Association, Houston, TX*

Panel Overview: This panel will discuss the design of medical support for a mission to a near-Earth asteroid (NEA) from a variety of perspectives. The panelists will discuss the proposed parameters for a NEA mission, the NEA medical condition list, recommendations from the NASA telemedicine workshop, an overview of the Exploration Medical System Demonstration planned for the International Space Station, use of predictive models for mission planning, and mission-related concerns for behavioral health and performance. This panel is intended to make the audience aware of the multitude of factors influencing medical support during a NEA mission.