James P. Locke, M.D.

James Locke is Assistant Adjunct Professor of Emergency Medicine and Space Medicine at Baylor College of Medicine, and teaches at the Center for Space Medicine. He is on a sabbatical from NASA Johnson Space Center, where he has served as flight surgeon since 1999. His current assignment as NASA is as Lead of the Flight Medicine Clinic, which provides medical care and aeromedical certification for astronauts, terrestrial NASA pilots and flight engineers, as well as mission control flight directors. He is currently engaged as the lead physician for the ongoing astronaut selection process. He served as a crew surgeon for multiple space shuttle missions, as well as for multiple long-duration crews on-board the International Space Station.

He served for many years as the lead physician for the JSC Aircraft Operations Division, where he accrued several hundred hours of flight time in NASA aircraft, including T-38's, Shuttle Training Aircraft, the Super Guppy, and the "vomit comet" aircraft. As the medical director of the Reduced Gravity Test Program, he was responsible for the safety and success of the parabolic flight program. He has experienced over 5000 reduced gravity parabolas. While as NASA he has had numerous overseas deployments in support of NASA missions. He also supported the Office of Polar Programs of the National Science Foundation (NSF) as the chair of the Medical Review Panel overseeing the medical care provided at the US Antarctic Research Stations, which he has visited.

Dr Locke is boarded in Aerospace Medicine and Emergency Medicine. He completed his emergency medicine residency at the University of New Mexico Hospital in 1997, and completed his aerospace medicine residency at the University of Texas Medical Branch in 1999. He is a Senior Aviation Medical Examiner with the FAA. He is certified in hyperbaric medicine by the National Oceanographic and Atmospheric Administration (NOAA). His professional interests focus on crew medical selection, crew performance, and motion sickness mitigation.