



TYSON J. BRUNSTETTER

A native of North-East Ohio, Tyson Brunstetter earned his Doctor of Optometry (OD), Master of Science, and PhD degrees from the Ohio State University, and an Executive MBA from the Naval Postgraduate School. He was “winged” as a Navy Aerospace Optometrist in 2002 and earned Board Certification as an Aerospace Physiologist in 2006. He is a Fellow of the Aerospace Medical Association (AsMA) and the American Academy of Optometry (AAO).

During his 24 years of service in the U.S. Navy, Dr. Brunstetter served primarily in Research, Development, Test, and Evaluation (RDT&E) roles in Navy and Joint commands, working within areas such as laser eye protection; helmet-mounted cueing systems for tactical aircraft; advanced refractive surgery; and deployable battlefield medical devices. In 2010, he deployed to Expeditionary Medical Facility (EMF) Kuwait as the sole Department of Defense (DoD) eye care provider for allied warfighters in Kuwait and southern Iraq as part of Operation Enduring Freedom (OEF). He was awarded the Defense Meritorious Service Medal, Meritorious Service Medal, Navy and Marine Corps Commendation Medal (4), Army Achievement Medal, and various service medals and ribbons. He retired in 2020 at the rank of CAPT.

Dr. Brunstetter now serves within the NASA Johnson Space Center (JSC) Space Medicine Operations Division as Clinical Lead (Eyes & Vision) in the efforts to investigate and mitigate a newly discovered condition affecting astronauts during long-duration spaceflight, Spaceflight Associated Neuro-ocular Syndrome (SANS). He also serves on the SANS Sub-working Group of the Multilateral Medical Operations Panel, alongside colleagues from NASA’s International Partners; as co-investigator on four NASA SANS research studies; and as Subject Matter Expert and Remote Guider for ocular data collections occurring onboard the International Space Station.

Tyson Brunstetter, MBA, OD, PhD, FAAO, FAsMA
SANS Clinical Lead – Eyes/Vision
Space and Occupational Medicine Branch (SD3)
Biomedical Sciences Branch (SK3)
2101 NASA Parkway (Bldg 45/140F)
NASA Johnson Space Center, Houston, TX 77058
Email: Tyson.J.Brunstetter@nasa.gov