

# Status of ISS Water Management and Recovery

Layne Carter<sup>1</sup> and Kevin Takada<sup>2</sup>  
*NASA Marshall Space Flight Center, Huntsville, AL 35812*

Daniel Gazda, Christopher Brown and Jesse Bazley<sup>3</sup>  
*NASA Johnson Space Center, Houston, TX 77058*

Ryan Schaezler and Lyndsey Bankers<sup>4</sup>  
*The Boeing Company, Houston, TX 77058*

**Water management on ISS is responsible for the provision of water to the crew for drinking water, food preparation, and hygiene, to the Oxygen Generation System (OGS) for oxygen production via electrolysis, to the Waste & Hygiene Compartment (WHC) for flush water, and for experiments on ISS. This paper summarizes water management activities on the ISS US Segment and provides a status of the performance and issues related to the operation of the Water Processor Assembly (WPA) and Urine Processor Assembly (UPA). This paper summarizes the on-orbit status as of June 2017 and describes the technical challenges encountered and lessons learned over the past year.**

---

<sup>1</sup> ISS Water Subsystem Manager, NASA MSFC ES62.