



## Skycorp Inc. and Launchspace Technologies Corporation Partner on ISS Orbital Debris Test



Santa Clara, CA and Boca Raton, FL. Skycorp Inc. and Launchspace Technologies Corporation are pleased to announce a partnership that enables Launchspace to perform preliminary measurements of the orbital debris environment through which the International Space Station (ISS) travels at its 405 km altitude, 51.6 degree inclination orbit. Skycorp is deploying the intelligent Space Systems Interface Flight Qualification Experiment (iSSIFQE) payload on the Japanese Kibo External Facility (Kibo-EF) on the International Space Station (ISS), with an expected installation on March 3, 2022.

The iSSIFQE is protected by a Multi Layer Insulation (MLI) blanket to provide passive thermal control for the payload. The iSSIFQE will be in place on the Zenith side of the Kibo-EF where it will have direct exposure to the flight direction of the ISS. This location is subject to the impacts from orbital debris as the iSSIFQE is exposed to the ISS flight direction. Skycorp will provide the MLI cover of the iSSIFQE to Launchspace Technologies Corporation for its research into orbital debris impacts.

The payload will be returned to Earth on the SpaceX SPX-26 mission later this year, after which Launchspace will examine the MLI blanket to collect data on debris characteristics associated with environment around the ISS prior to its own deployment of a debris impact pad (DIP) with sensors on the ISS.

“We are extremely interested in the impact that orbital debris has on human and robotic spaceflight. We are happy to facilitate the work of Launchspace in this very important area that we believe is far worse than most people realize.”, said Skycorp CEO, Dennis Wingo.

“This data is increasingly important due to the recent debris collision threats from a defunct Russian upper stage and from anti-satellite tests. Since direct data collected by NASA is mostly



from 1997, Launchspace believes that there is profoundly more small orbital debris that has accumulated over the past 25 years. This data will be used to give Launchspace an idea of the debris environment in preparation for our own ISS deployment in about 18 months on the Airbus Bartolomeo space platform. Ultimately, Launchspace plans to put large debris impact pads (DIPs) at different altitudes in equatorial LEO for our patented solution to remediate small orbital debris as it crosses the equator.”, said Launchspace CEO, John Bauman.

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