



Contribution ID: 600

Type: **Invited Oral**

C3Or4D-04: [Invited] NASA Cryogenic Fluid Management Flight Demonstration Summary: SpaceX 2020 Tipping Point

Wednesday 12 July 2023 17:45 (30 minutes)

NASA Science and Technology Mission Directorate is investing in advancement of on-orbit cryogenic fluid management technologies by partnering with industry through Tipping Point contracts with the primary objective of reducing development costs and schedules for infusion into long duration missions utilizing cryogenic propellant. SpaceX was selected as a partner in 2020 to conduct a demonstration of CFM technologies on a Starship Mission. This presentation provides a summary of the top-level goals and objectives of this contract and how NASA has structured this partnership.

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Session Classification: C3Or4D: Special Session: Orbital Flight Demonstrations of Cryogenic Fluid Management