

IAF SYMPOSIUM ON INTEGRATED APPLICATIONS (B5)
Integrated Applications End-to-End Solutions (2)

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HAPS IN MULTILAYERED CONSTELLATIONS

Abstract

This is a follow-up to IAC2017 "Astronomy observatory in Stratosphere" presentation, IAC2019 "HAPS Observatory in Stratosphere" presentation and IAC2022 "HAPS for Integrated Applications" presentation. It will present development of HAPS platform for long term geostationary flight and results from its first test flight to stratosphere that will be in May 2024. It will focus on key subsystems and their integration in to functional prototype, that will demonstrate geostationkeeping capability, that can be used for various payloads and applications. Also it will explain how can HAPS technology be key chain in multilayered constellations, that will be gathering and processing data from various resources and assets (Satellites on different orbits, HAPS, drones, ground sensors).