



MAYA

COMMERCIAL SERVICES MANIFEST

For 0019-2024A

October 2024

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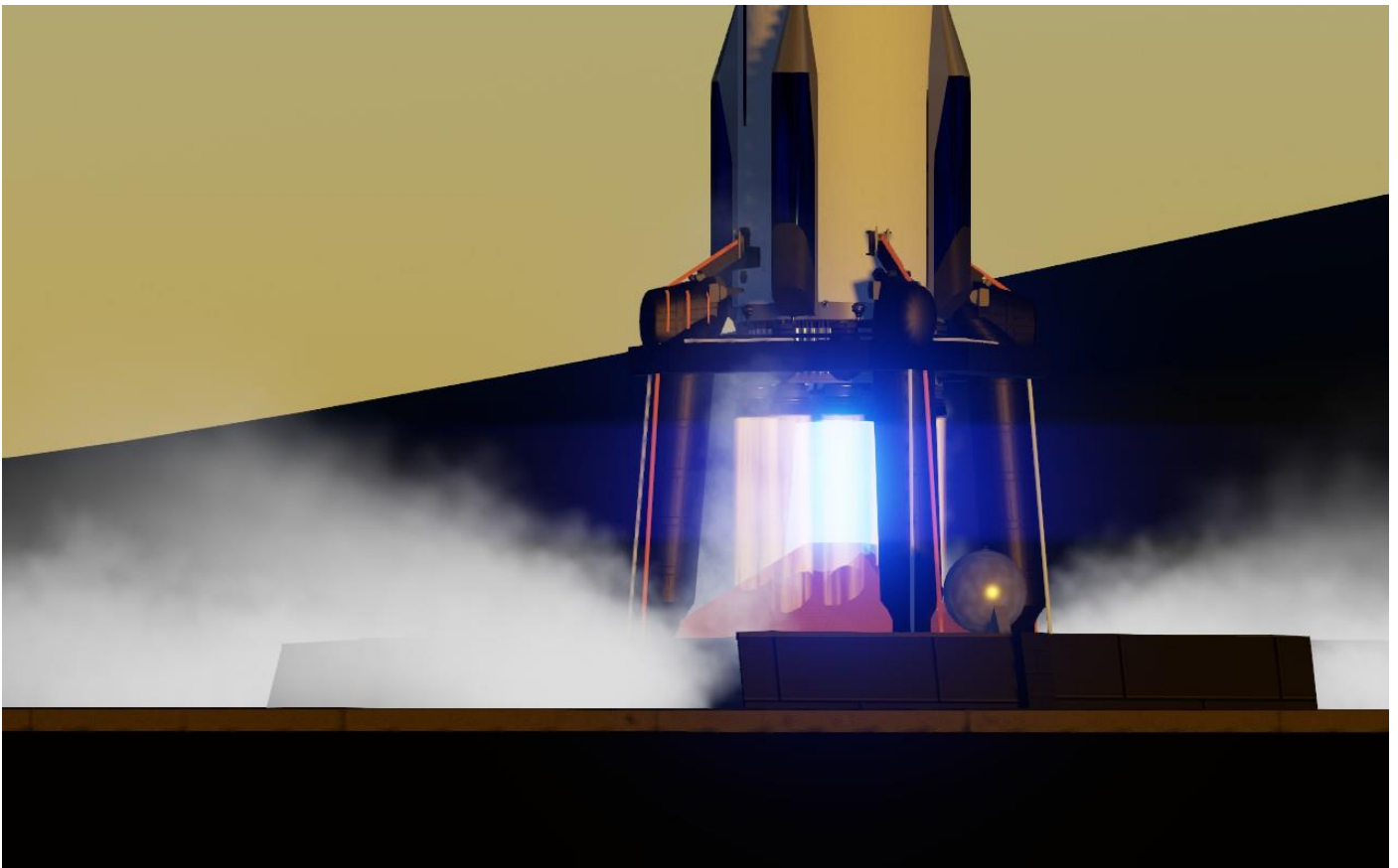
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INTRODUCTION

1.1 OUR COMPANY

At sFlightX, we are passionate about pushing the boundaries of aviation and space exploration. Our objectives are to create cutting-edge solutions that redefine how we navigate space. Whether it's designing next-gen spacecraft, optimizing air traffic management, or exploring new frontiers beyond Earth, we're committed.

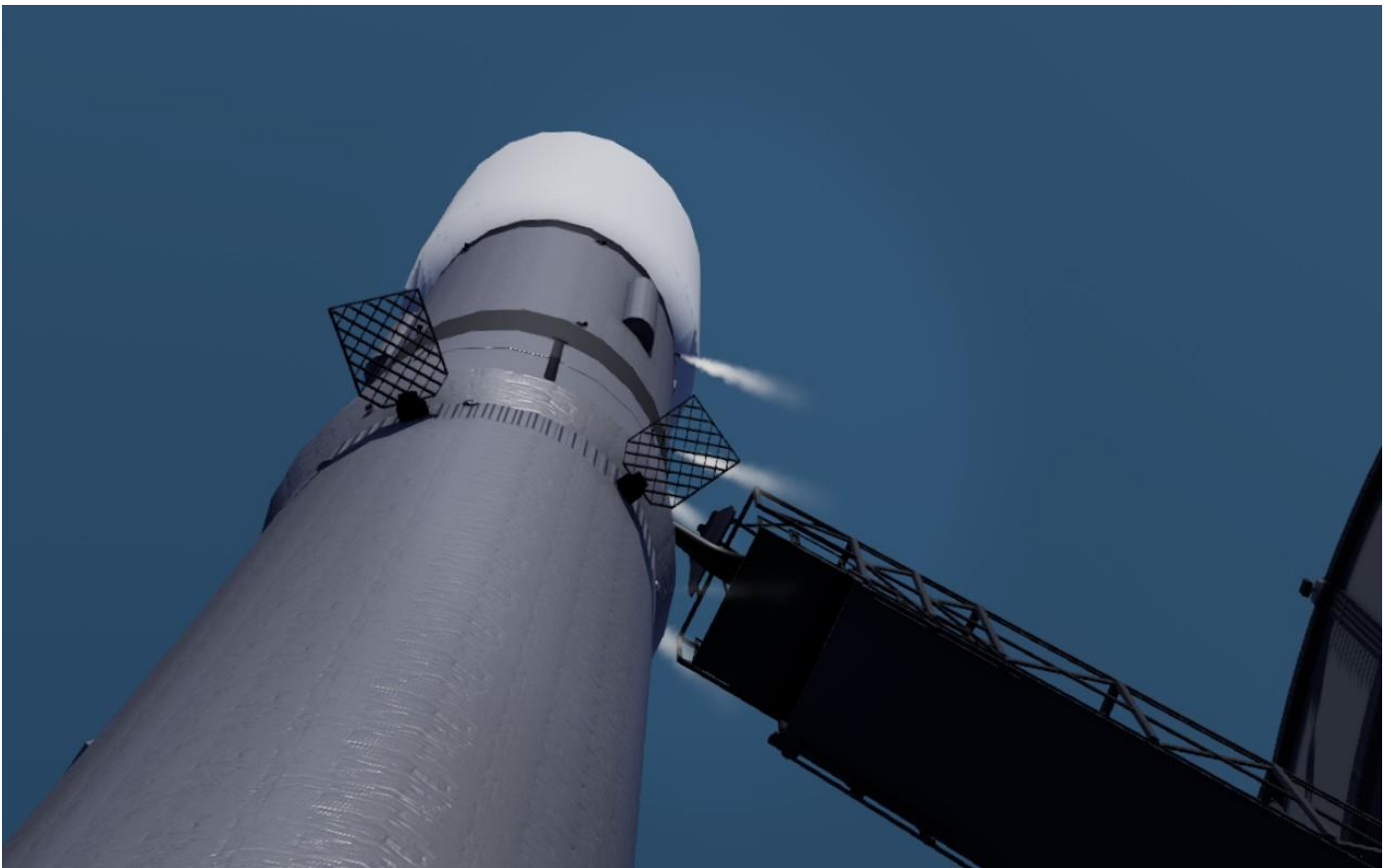


1.2 FLIGHT PROFILE

The mission, 0019-2024A is named "Obsat 1-1 Mission". The payload is the Observation Satellite built by ZastenX Tech.

1.3 FLIGHT VEHICLE

This mission will debut our advanced fleet of Maya Block 5. A vehicle document is subject to be posted with this document. For vehicle license information, please refer to <https://sflightx.com/blob/license/vehicle/0019> provided by CASA.



1.4 FLIGHT PARAMETERS

The flight will take place at Launch Complex A, Terra Aurora, Union of Uthain Republics. Here is the flight data provided pre-flight:

NET	Nov 16, 2024 1200 UTC	Target date, it is a window configured for 2 hours.
MASS	20t	Payload Mass
Inclination	8-10° with ±0.2°	The orbital Inclination requested by the customer.
Recovery	NO ATTEMPT	Booster will be expended.
Orbit	50,000km x 50,000km	High Droc Orbit

All times are approximate.

T-30:00	LD VERIFIES GO FOR PROP LOAD
T-29:45	STAGE 1 LOX LOAD UNDERWAY
T-26:50	STAGE 1 CH2 LOAD UNDERWAY
T-15:30	STAGE 2 CH2 LOAD UNDERWAY
T-13:30	STAGE 2 LOX LOAD UNDERWAY
T-8:00	FTS IS ARMED
T-5:35	AGILA ENGINE CHILL

T-4:30	STAGE 1 PROPELLANT LOAD IS COMPLETE
T-2:55	STAGE 2 PROPELLANT LOAD IS COMPLETE
T-1:00	VEHICLE START-UP
T-0:25	LD VERIFIES GO FOR LAUNCH!
T-0:03	ENGINE IGNITION SEQUENCE START
T+0:00	LIFTOFF!

FLIGHT EVENTS

All times not yet approximate.

T+0:00	LIFTOFF
T+1:14	MAX-Q
T+2:24	MAIN ENGINE CUTOFF 1 (MECO-1)
T+2:28	MAIN STAGE SEPARATION
T+2:32	SECOND STAGE ENGINE START 1 (SSES-1)
T+2:36	FAIRING SEPARATION



T+10:30	SECOND ENGINE CUTOFF 1 (SECO-1)
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1.5 ENVIRONMENTAL ASSESSMENT

Current Programmatic Environmental Assessment is available for viewing at <https://sflightx.com/blob/pea/terra-aurora/>.

CHANGELOG

V1.0	November 1, 2024	Initial Release.
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