

Marlene H. Dortch
Office of the Secretary
Federal Communications Commission
45 L Street, N.E.
Washington, D.C. 20554

Subject: Orbital Parameters of the Navigator Satellite Operating in non-Geostationary Orbit in the Non-planned Frequency Bands. (NAVIGATOR)

Reference: FCC Application File SAT-LOA-20251118-00327

Dear FCC Secretary,

This letter is to explain the orbital parameters of Argo Space Corp's Navigator satellite as described in the delivered .itu files. The Navigator spacecraft transits from an initial LEO orbit to a MEO orbit over the course of its mission life. To communicate this intent in the SpaceCap software, we have provided three representative operating orbits as shown below. These represent three orbits occupied by the single Navigator spacecraft over the course of its mission. This does not represent multiple satellites each operating in their own orbit.

A4b. Orbital Information for each Orbital Plane, where the Earth is the reference body																
	Orbital Plane Id	4a. Incln Angle	4b. Satellites in the plane	4c. Period ddd	4c. Period hh	4c. Period mm	4d. Apogee	4d. apog exp	4e. Perigee	4e. perig exp	4f. Minimum Altitude	4f. Min Alt exp	4i. Argument of the Perigee (degrees)	4m. space station uses sun-synchronous orbit	4n. local time reference	4o. local time HH:mm:ss
▶	1	97.40	1	0	1	34	500.14	0	500.14	0	500.14	0	218	yes		
	2	97.47	1	0	1	55	1761.80	0	551.30	0	551.30	0	203	no		
	3	97.53	1	0	3	3	4235.20	0	4274.60	0	4274.60	0	110.8	no		
*																

Please provide this document to any relevant parties that may receive or review the .itu files or Navigator's orbital parameters to avoid confusion on this topic. Address any questions regarding the Navigator mission to the Argo point of contact below.

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Sincerely,

Ryan Carlisle
CTO
Argo Space Corp.