



June 29, 2015

2015 ANNUAL REPORT

FILED VIA MYIBES

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

2015 ANNUAL REPORT

Subject: Planet Labs Inc.
2015 Annual Report
Space Station Call Sign S2912

Dear Ms. Dortch:

Planet Labs Inc. (“Planet Labs”), licensee of the authorized remote sensing satellite systems operating under Call Sign S2912, hereby submits this report on the operation of the satellite system for the 2015 annual period from June 1, 2014 to May 31, 2015. This report is being filed pursuant to Section 25.170 of the Commission’s rules.

I. STATUS OF THE SATELLITE SYSTEM

On December 03, 2013, the Commission granted Planet Labs authority to construct, launch, and operate a non-geostationary-orbit (“NGSO”) satellite system consisting of twenty eight (28) Earth Exploration Satellite Service (“EESS”) satellites – collectively known as Flock 1 – that operates in the 8025-8400 MHz frequency bands and receives command signals in the 2025-2110 MHz band.¹ Planet Labs was also authorized to use the 401-402 MHz and 449.75-450.25 MHz bands for early-phase and emergency-backup telemetry, tracking, and command operation.²

On June 18, 2014 the Commission granted Planet Labs authority to construct, launch and operate an additional twenty eight (28) NGSO EESS satellites – collectively known as Flock 1b – and eleven (11) NGSO EES spacecraft – collectively known as Flock 1c – as a Modification to the original grant of authority.³

The Commission granted a further Modification on October 23, 2014 to maintain a continuous fleet of up to fifty six (56) NGSO EESS satellites in an orbit just below the International Space Station (“ISS”). To maintain such a fleet, the Commission granted the authority to launch up to five hundred (500) satellites to that orbit over the next 10 years due to the short orbital lifetime of the satellites in that particular orbit.⁴

¹ Planet Labs Inc., Stamp Grant, File No. SAT-LOA-20130626-00087 (released December 03, 2013).

² Ibid.

³ Planet Labs Inc., Stamp Grant, File No. SAT-MOD-20140321-00032 (released June 18, 2014)

⁴ Planet Labs Inc., Stamp Grant, File No. SAT-MOD-20140912-00100 (released October 23, 2014)



Table 1 summarizes the prior launches of Planet Labs' satellites operating under Call Sign S291.

Table 1 – Prior Launches of Planet Labs' Satellites

Name	No. of Satellites	Launch Vehicle	Orbit	Launch Date	Launch Status
Flock 1	28	Antares (Cygnus)	ISS	1/9/2014	Successful Launch
Flock 1c	11	Dnepr	620 km SSO	6/19/2014	Successful Launch
Flock 1b	28	Antares (Cygnus)	ISS	7/13/2014	Successful Launch
Flock 1d	26	Antares (Cygnus)	ISS	10/24/2014	Failed Launch
Flock 1d'	2	Falcon 9 (Dragon)	ISS	1/10/2015	Successful Launch
Flock 1e	14	Falcon 9 (Dragon)	ISS	4/13/2015	Successful Launch
Flock 1f	8	Falcon 9 (Dragon)	ISS	6/28/2015	Failed Launch

II. CONTACT PERSON FOR RESOLUTION OF INTERFERENCE PROBLEMS AND FOR EMERGENCY PURPOSES

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III. CONSTRUCTION PROGRESS AND ANTICIPATED LAUNCH DATES

Table 2 - Summary of Flock satellite status, as of May 31, 2015.

Satellite Name	Status
Flock 1-1 to Flock 1-28	De-orbited
Flock 1b-1, Flock 1b-2, Flock 1b-7, Flock 1b-8, Flock 1b-15, Flock 1b-16, Flock 1b-17, Flock 1b-18, Flock 1b-23, Flock 1b-24, Flock 1b-25, Flock 1b-26	De-orbited
Flock 1b-3, Flock 1b-4, Flock 1b-13, Flock 1b-14, Flock 1b-19, Flock 1b-20	Returned to Earth
Flock 1b-5, Flock 1b-6, Flock 1b-9, Flock 1b-10, Flock 1b-11, Flock 1b-12, Flock 1b-21, Flock 1b-22, Flock 1b-27, Flock 1b-28	Operational
Flock 1c-1 to Flock 1c-11	Operational
Flock 1d-1 to Flock 1d-26	Failed Launch
Flock 1d'-1, Flock 1d'-2	Operational
Flock 1e-1 to Flock 1e-14	Awaiting Deployment from ISS (deployment predicted in late-July 2015)
Flock 1f-1 to Flock 1f-8	Failed Launch
Flock 2d-1 to Flock 2d-14	Awaiting Launch (launch predicted August 17, 2015, deployment from ISS predicted November 2015)



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Respectfully submitted,

PLANET LABS INC.

By:
s/ Michael Safyan
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Planet Labs Inc.