



**Committee on the Peaceful
Uses of Outer Space****Information furnished in conformity with the Convention
on Registration of Objects Launched into Outer Space****Note verbale dated 13 November 2020 from the Permanent
Mission of the United States of America to the United Nations
(Vienna) addressed to the Secretary-General**

The Permanent Mission of the United States of America to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution [3235 \(XXIX\)](#), annex), has the honour to transmit registration data on objects launched into outer space by the United States for September 2020 (see annex).¹

The United States requests that the space objects contained in the annex to the present document be placed on the Register of Objects Launched into Outer Space maintained by the United Nations. In submitting this request, the United States notes that, consistent with its long-standing registration practice, the United States is not necessarily a launching State for each of the space objects it registers. The United States makes this request in the spirit of contributing to the practical effectiveness of the treaties and is providing information to the greatest extent practicable.

¹ The data on space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 20 November 2020.



Annex

Registration data on space launches by the United States of America for September 2020*

The following report supplements the registration data on United States space launches as at 30 September 2020.

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched after the last report and remained in orbit as at 2359Z on 30 September 2020:								
2020-061AA	Flock 4v 10	3 September 2020	FRGUI	95.33	97.51	536	533	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AB	Flock 4v 13	3 September 2020	FRGUI	95.33	97.51	536	533	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AC	Lemur 2 EthanOakes	3 September 2020	FRGUI	95.32	97.51	536	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AD	Lemur 2 Oscarlator	3 September 2020	FRGUI	95.32	97.51	536	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AE	Spacebee-21	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AF	Spacebee-20	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AG	Spacebee-15	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AH	Spacebee-19	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AJ	Spacebee-18	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AK	Spacebee-10	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AL	Spacebee-17	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AM	Spacebee-11	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AN	Spacebee-16	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AP	Spacebee-12	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

* The registration data are reproduced in the form in which they were received.

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2020-061AQ	Spacebee-13	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AR	Spacebee-14	3 September 2020	FRGUI	95.31	97.51	535	532	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AT	Flock 4v 1	3 September 2020	FRGUI	95.31	97.51	535	530	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AU	Flock 4v 4	3 September 2020	FRGUI	95.31	97.51	536	530	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AV	Lemur 2 Schmidtfall	3 September 2020	FRGUI	95.3	97.51	535	531	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AW	Lemur 2 Djuproera	3 September 2020	FRGUI	95.29	97.51	535	531	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AX	Lemur 2 Squarejaws	3 September 2020	FRGUI	95.29	97.51	535	531	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061AY	Lemur 2 Ursa Avion	3 September 2020	FRGUI	95.29	97.51	535	530	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BB	Flock 4v 2	3 September 2020	FRGUI	95.31	97.51	537	531	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BC	Flock 4v 3	3 September 2020	FRGUI	95.3	97.51	536	530	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BD	Flock 4v 16	3 September 2020	FRGUI	95.08	97.46	528	516	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BE	Flock 4v 15	3 September 2020	FRGUI	94.98	97.46	520	515	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BF	Flock 4v 17	3 September 2020	FRGUI	94.99	97.46	521	515	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BG	Flock 4v 18	3 September 2020	FRGUI	95.06	97.47	527	516	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BH	Flock 4v 19	3 September 2020	FRGUI	95	97.46	521	516	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BJ	Flock 4v 20	3 September 2020	FRGUI	95.06	97.47	528	516	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BK	Flock 4v 21	3 September 2020	FRGUI	95.01	97.46	522	516	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BL	Flock 4v 22	3 September 2020	FRGUI	95.03	97.45	525	515	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2020-061BM	Flock 4v 23	3 September 2020	FRGUI	95.01	97.46	523	515	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BN	Flock 4v 24	3 September 2020	FRGUI	95.06	97.47	527	516	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BP	Flock 4v 25	3 September 2020	FRGUI	95	97.46	523	515	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061BQ	Flock 4v 26	3 September 2020	FRGUI	95.06	97.47	527	516	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061D	Athena	3 September 2020	FRGUI	94.99	97.46	520	516	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061L	Flock 4v 9	3 September 2020	FRGUI	95.37	97.51	540	533	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061M	Flock 4v 12	3 September 2020	FRGUI	95.37	97.51	540	533	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061P	Flock 4v 11	3 September 2020	FRGUI	95.37	97.51	540	533	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061Q	Flock 4v 14	3 September 2020	FRGUI	95.37	97.51	540	533	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061S	Flock 4v 8	3 September 2020	FRGUI	95.36	97.51	539	533	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061T	Flock 4v 6	3 September 2020	FRGUI	95.36	97.51	539	533	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061U	Flock 4v 5	3 September 2020	FRGUI	95.36	97.51	539	533	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-061V	Flock 4v 7	3 September 2020	FRGUI	95.36	97.51	539	533	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062A	Starlink-1734	3 September 2020	AFETR	89.55	52.99	255	249	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AA	Starlink-1575	3 September 2020	AFETR	91.53	53	354	345	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AB	Starlink-1617	3 September 2020	AFETR	91.57	53	354	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AC	Starlink-1646	3 September 2020	AFETR	91.19	53	334	332	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AD	Starlink-1653	3 September 2020	AFETR	91.55	53	352	350	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

<i>International designation</i>	<i>Name of the space object</i>	<i>Date of the launch</i>	<i>Location of the launch</i>	<i>Basic orbital characteristics</i>				<i>General function of the space object</i>
				<i>Nodal period (min)</i>	<i>Inclination (degrees)</i>	<i>Apogee (km)</i>	<i>Perigee (km)</i>	
2020-062AE	Starlink-1656	3 September 2020	AFETR	91.57	53	354	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AF	Starlink-1657	3 September 2020	AFETR	91.57	53	354	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AG	Starlink-1661	3 September 2020	AFETR	91.56	53	354	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AH	Starlink-1665	3 September 2020	AFETR	91.56	53	355	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AJ	Starlink-1666	3 September 2020	AFETR	91.55	53	352	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AK	Starlink-1690	3 September 2020	AFETR	91.56	53	352	350	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AL	Starlink-1707	3 September 2020	AFETR	91.53	53	353	345	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AM	Starlink-1713	3 September 2020	AFETR	91.16	53	333	331	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AN	Starlink-1722	3 September 2020	AFETR	91.52	53	353	346	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AP	Starlink-1726	3 September 2020	AFETR	91.17	53	333	331	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AQ	Starlink-1739	3 September 2020	AFETR	91.54	53	352	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AR	Starlink-1763	3 September 2020	AFETR	91.17	53	333	331	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AS	Starlink-1550	3 September 2020	AFETR	91.53	53	352	347	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AT	Starlink-1651	3 September 2020	AFETR	91.53	53	351	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AU	Starlink-1652	3 September 2020	AFETR	91.56	53	355	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AV	Starlink-1658	3 September 2020	AFETR	91.55	53	353	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AW	Starlink-1662	3 September 2020	AFETR	91.55	53	352	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AX	Starlink-1670	3 September 2020	AFETR	91.19	53	334	332	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2020-062AY	Starlink-1688	3 September 2020	AFETR	91.19	53	334	334	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062AZ	Starlink-1689	3 September 2020	AFETR	91.56	53	354	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062B	Starlink-1654	3 September 2020	AFETR	91.55	53	354	347	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BA	Starlink-1691	3 September 2020	AFETR	91.18	53	333	332	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BB	Starlink-1711	3 September 2020	AFETR	91.54	53	354	346	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BC	Starlink-1724	3 September 2020	AFETR	91.52	53	352	346	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BD	Starlink-1742	3 September 2020	AFETR	91.53	53	353	346	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BE	Starlink-1745	3 September 2020	AFETR	91.17	53	333	331	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BF	Starlink-1751	3 September 2020	AFETR	91.16	53	332	331	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BG	Starlink-1756	3 September 2020	AFETR	91.54	53	353	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BH	Starlink-1758	3 September 2020	AFETR	91.55	53	352	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BJ	Starlink-1768	3 September 2020	AFETR	91.52	53	350	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BK	Starlink-1769	3 September 2020	AFETR	91.16	53	332	331	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BL	Starlink-1770	3 September 2020	AFETR	91.57	53	353	350	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062BM	Starlink-1771	3 September 2020	AFETR	91.19	53	339	327	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062C	Starlink-1673	3 September 2020	AFETR	91.57	53	353	351	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062D	Starlink-1686	3 September 2020	AFETR	91.55	53	353	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062E	Starlink-1695	3 September 2020	AFETR	91.17	53	333	331	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2020-062F	Starlink-1710	3 September 2020	AFETR	91.55	53	352	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062G	Starlink-1719	3 September 2020	AFETR	91.56	53	352	350	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062H	Starlink-1721	3 September 2020	AFETR	91.56	53	352	350	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062J	Starlink-1723	3 September 2020	AFETR	91.57	53	354	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062K	Starlink-1725	3 September 2020	AFETR	91.56	53	352	350	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062L	Starlink-1727	3 September 2020	AFETR	91.56	53	353	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062M	Starlink-1738	3 September 2020	AFETR	90.85	53	317	315	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062N	Starlink-1750	3 September 2020	AFETR	91.19	53	334	332	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062P	Starlink-1752	3 September 2020	AFETR	91.57	53	353	350	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062Q	Starlink-1757	3 September 2020	AFETR	91.56	53	352	350	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062R	Starlink-1759	3 September 2020	AFETR	91.56	53	353	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062S	Starlink-1760	3 September 2020	AFETR	91.55	53	352	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062T	Starlink-1762	3 September 2020	AFETR	91.56	53	354	348	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062U	Starlink-1764	3 September 2020	AFETR	91.2	53	334	332	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062V	Starlink-1765	3 September 2020	AFETR	91.18	53	333	331	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062W	Starlink-1767	3 September 2020	AFETR	91.56	53	353	350	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-062X	Starlink-1546	3 September 2020	AFETR	91.52	53	352	347	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-62Y	Starlink-1547	3 September 2020	AFETR	91.53	53	355	345	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

International designation	Name of the space object	Date of the launch	Location of the launch	Basic orbital characteristics				General function of the space object
				Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
2020-062Z	Starlink-1553	3 September 2020	AFETR	91.55	53	352	349	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-068R	Lemur 2 Daywzagoodday	28 September 2020	PKMTR	95.86	97.67	569	551	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2020-068T	Lemur 2 Nichol	28 September 2020	PKMTR	95.87	97.67	569	552	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

The following objects not previously reported have been identified since the last report:

None.

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2359Z on 30 September 2020:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2359Z on 30 September 2020:

None.

The following objects were launched after the last report but did not achieve orbit:

None.

The following objects identified in a previous report were no longer in orbit as at 2359Z on 30 September 2020:

2019-029E, 2019-029AP, 2019-029C, 2019-029P, 2019-074AJ, 2019-029AB, 2019-029AC, 2019-029Z, 2019-029AX, 2019-029BA, 2019-029V, 2019-029AH, 2019-029R, 2019-029AF, 2019-029AJ, 2019-029BH, 2019-029S, 2019-029X, 2019-029BC, 2019-029AL, 2019-029U, 2019-029L, 2020-019D, 2019-029BM, 2019-029G, 2019-029BB, 2019-029AD, 2019-029BL

Revisions that should be made to previously reported data:

None.

Abbreviations: AFETR, United States Air Force Eastern Test Range; FRGUI, Guiana Space Centre, French Guiana; PKMTR, Plesetsk Cosmodrome, Russian Federation.