

CANSO ATM TRAFFIC ANALYSIS REPORT

OCTOBER 2021

Global air traffic down approximately 13% from 2019 in October

- There were 3.07 million flights operated globally in October 2021. This represents 87.1% of the 3.52 million flights operated in October 2019.
- October 2021 saw 6.06 million flight hours operated globally. This is 86.7% of the 6.99 million flight hours flown in October 2019.

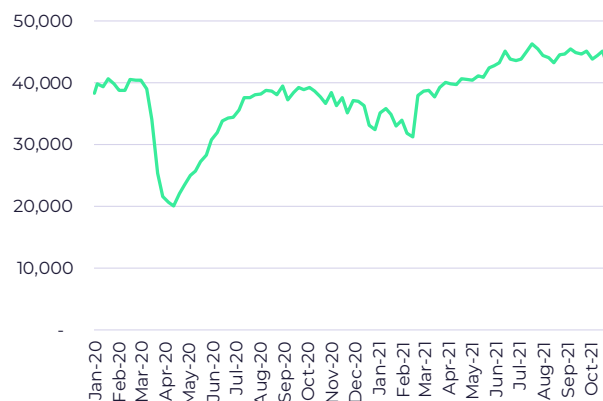
An October that feels like July?

Exceeding 6 million flight hours in October means that global traffic activity in October was roughly equivalent to that seen in July 2021.

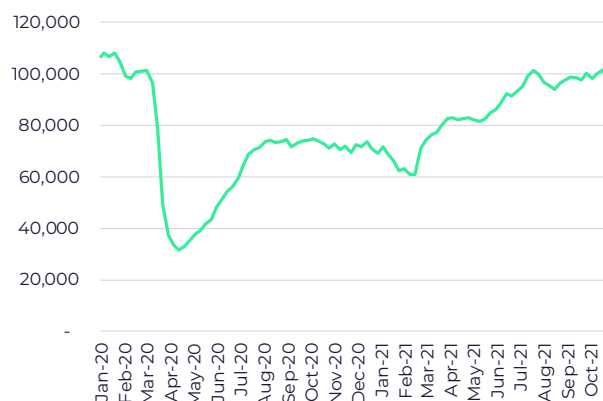
In a normal year, a change by as much as 10% in global monthly traffic volumes between July and October is not unusual. In 2021 however, daily average global air traffic was up about 3% between the two months, averaging 98,900 flights and 195,600 flight hours daily in October.

This demonstrates that continued recovery is offsetting the decline from the July/August traffic peak that is seen in normal years.

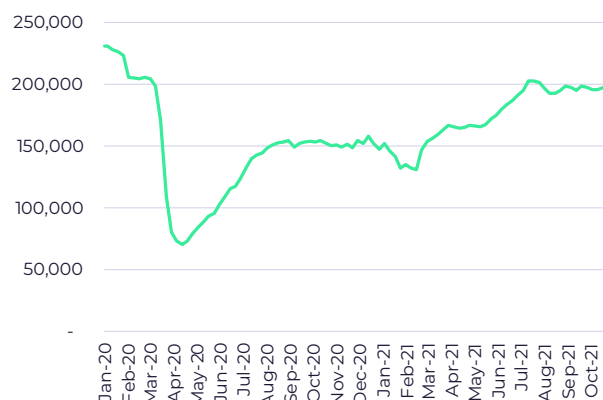
AVERAGE UNIQUE AIRCRAFT



AVERAGE GLOBAL FLIGHTS

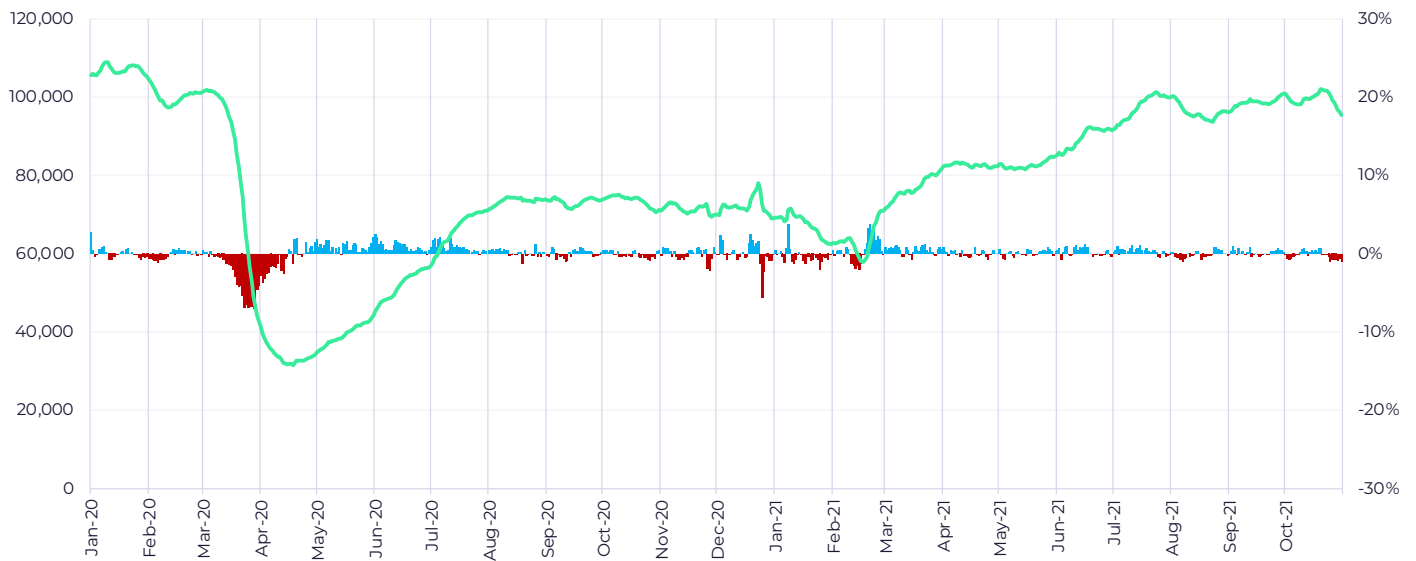


AVERAGE GLOBAL FLIGHT HOURS



Global daily flights variation

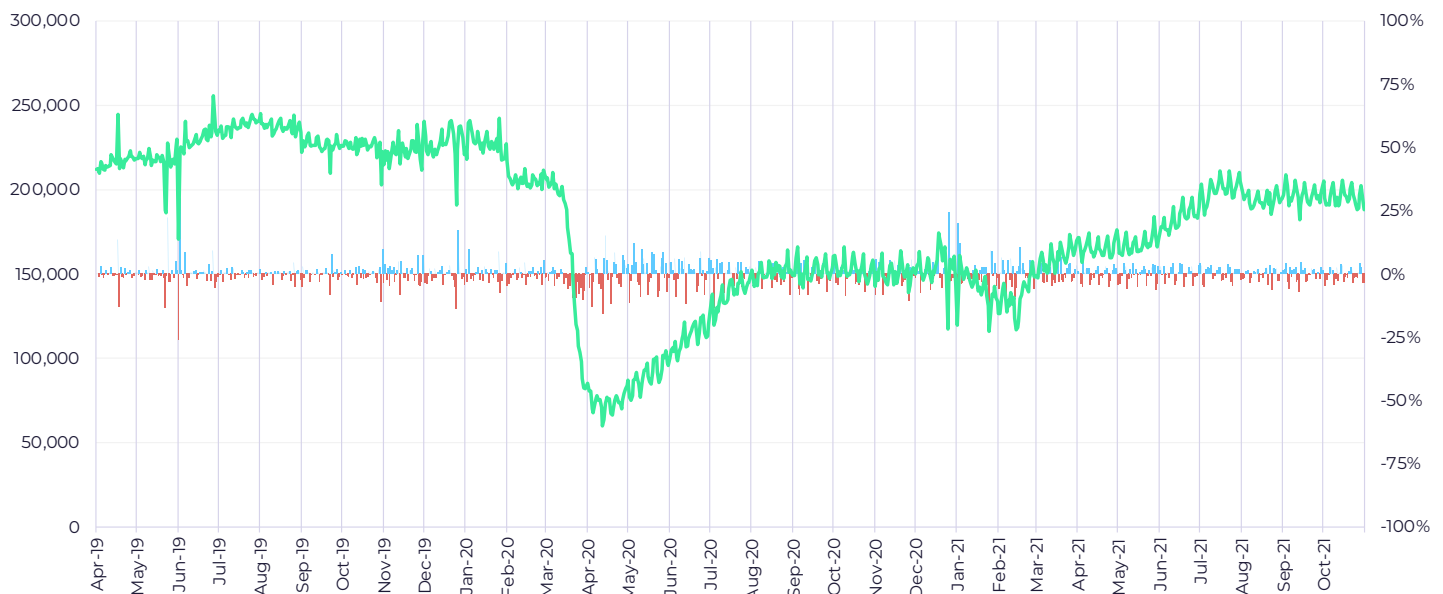
ROLLING 7-DAY AVERAGE OF DAILY FLIGHTS



The rolling 7-day average of global daily flight volumes achieved a new post-pandemic high on 20 October of just over 102,000 flights, before falling back to 95,300 at the end of the month.

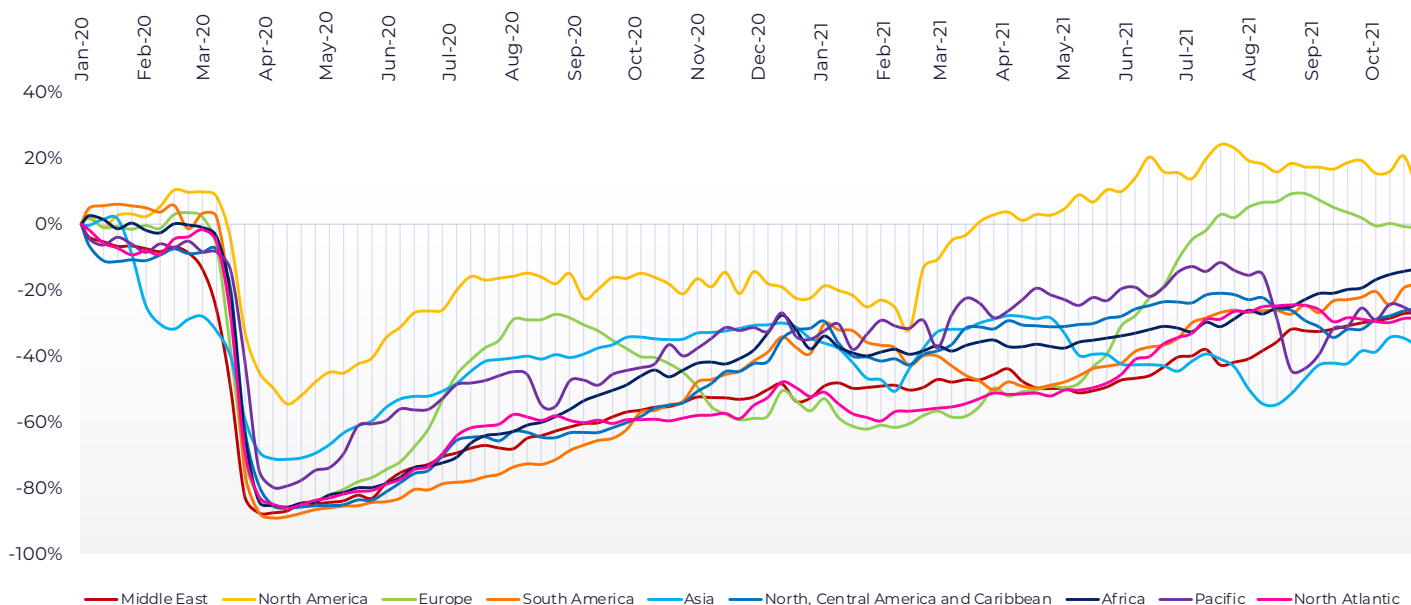
Daily flight hours

FLIGHT HOURS SINCE APRIL 2019 WITH PERCENTAGE OF DAY-TO-DAY VARIABILITY



Global flight hours are an important metric of ATM workload. 23 July continues to represent the post-pandemic high point with 211,000 flight hours operated. Daily flight hours in October 2021 ranged between 205,400 and 189,000 hours per day.

Percent change in movements by region



Several regions saw small but steady increases in traffic in October. Africa, South America, the Caribbean and the Middle East all added to their daily average flight totals over what was experienced in September. This offset a small decline in daily traffic volumes in North America and Europe. Global recovery continues to be hindered by the fact that Asia, a vitally important aviation market, remains the most heavily impacted region.

Tracking the recovery: Flights and flight hours by region

	Dates	Average daily flight hours	Percent change	Average daily movements	Percent change
Middle East	01 Jan 2020 24 Oct 2021	7,400 7,100	-4%	6,100 4,500	-26%
North America	01 Jan 2020 24 Oct 2021	67,400 71,600	+6%	38,000 41,500	+9%
Europe	01 Jan 2020 24 Oct 2021	44,700 44,300	-1%	24,900 24,700	-1%
South America	01 Jan 2020 24 Oct 2021	10,700 8,100	-24%	5,800 4,700	-19%
Asia	01 Jan 2020 24 Oct 2021	74,900 51,500	-31%	35,000 22,000	-37%
Caribbean	01 Jan 2020 24 Oct 2021	9,100 6,800	-25%	6,400 4,700	-27%
Africa	01 Jan 2020 24 Oct 2021	4,200 3,300	-21%	1,800 1,600	-11%
North Atlantic	01 Jan 2020 24 Oct 2021	6,800 4,800	-29%	2,300 1,600	-30%

ABOUT THE ATM REPORT

The ATM Report is issued bi-weekly by CANSO as an analysis of metrics directly relevant to the ATM industry. The report uses high fidelity global space-based ADS-B air traffic data provided via a partnership with Aireon. The data includes surveillance of all 1090Mhz ADS-B Equipped aircraft. While some non-ADS-B equipped aircraft may not be included, the data is appropriate for the monitoring of global trends in traffic levels.



ABOUT CANSO

The Civil Air Navigation Services Organisation (CANSO) is the global voice of air traffic management. CANSO Members support almost 90 percent of world air traffic and represent leading providers of technology and services to the industry. Members share information and develop new policies, with the ultimate aim of improving air navigation services.

For more, visit canso.org.



ABOUT AIREON

Aireon is harnessing next-generation aviation surveillance technologies that were formerly ground-based and, for the first time ever, is extending their reach globally through the use of satellite technology to significantly improve efficiency, enhance safety, reduce emissions and provide cost savings benefits to all stakeholders.

For more information, please visit aireon.com.

