

# CANSO ATM TRAFFIC ANALYSIS REPORT

SEPTEMBER 2022

## Strong air traffic recovery performance continues

- There were 3.63 million flights operated globally in September 2022. This represents a 22 per cent increase on the number of flights in September 2021 and a 5.5 per cent increase on the 3.44 million flights operated in September 2019.
- September 2022 saw 6.61 million flight hours operated globally. This is an 11.8 per cent increase on the number of flight hours in September 2021 and is 2.8 per cent lower than the 6.80 million flight hours flown in September 2019.

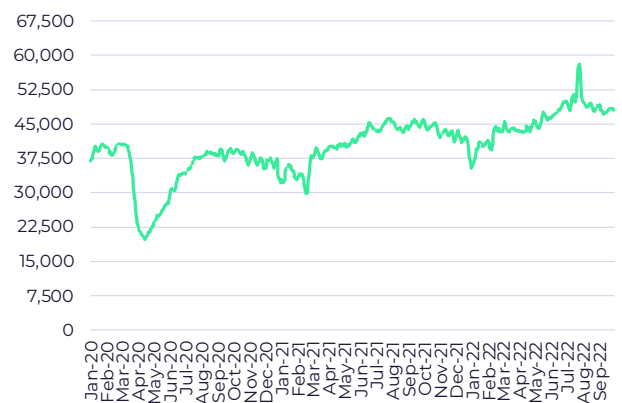
## Seasonal traffic fluctuations in recovery

Global average daily flight and flight hour volumes typically slightly decline in September as part of normal seasonal fluctuations, with July and August considered peak months. But the extent of seasonal fluctuations is less certain this year given that traffic is still recovering in many regions. While some seasonal variation was seen in 2020 and 2021, normal variability was altered by the state of recovery still occurring.

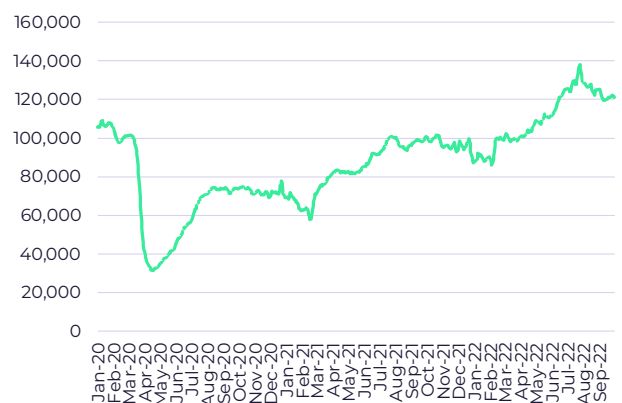
Daily average flight volumes fell by 400 flights daily and 4,000 flight hours in September 2022 from August averages. This suggests that long haul flights were most heavily impacted.

This will warrant watching as autumn and winter in the northern hemisphere set in to determine to what extent normal patterns are returning or whether a new normal exists.

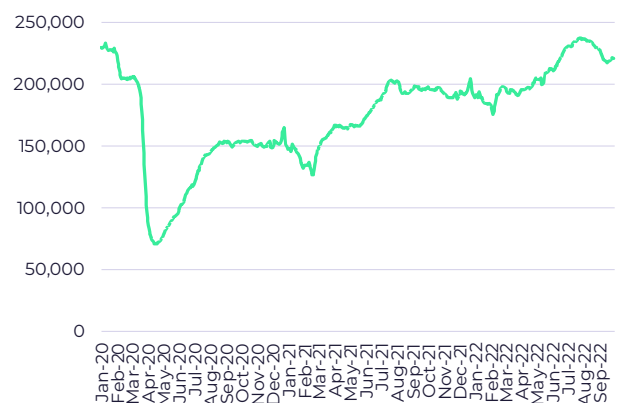
AVERAGE UNIQUE AIRCRAFT



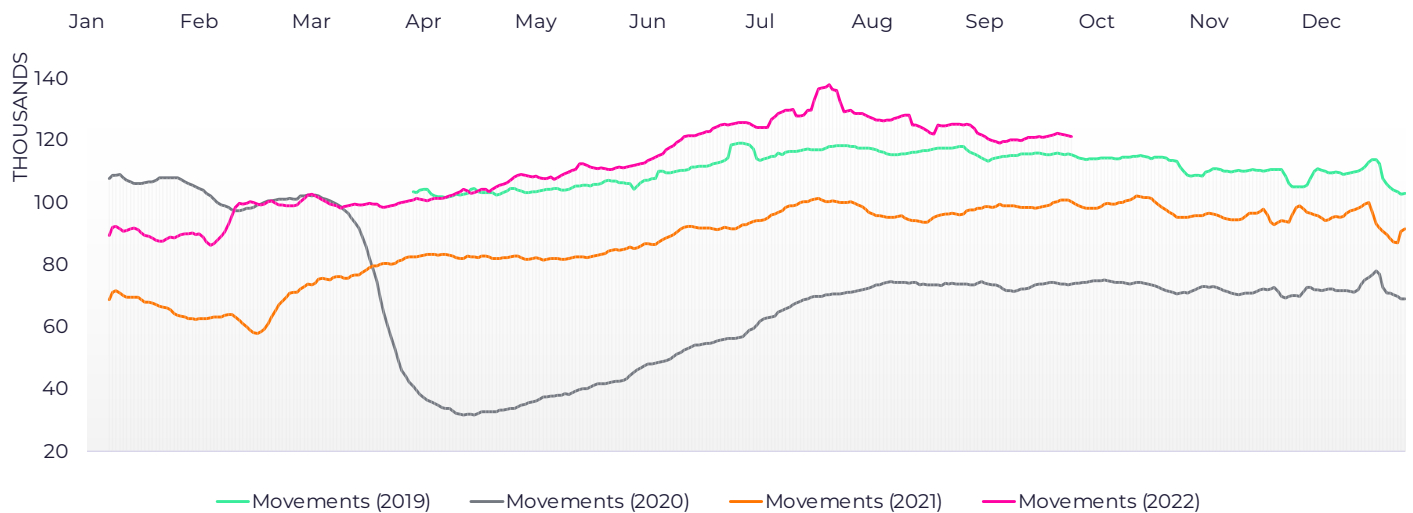
AVERAGE GLOBAL FLIGHTS



AVERAGE GLOBAL FLIGHT HOURS

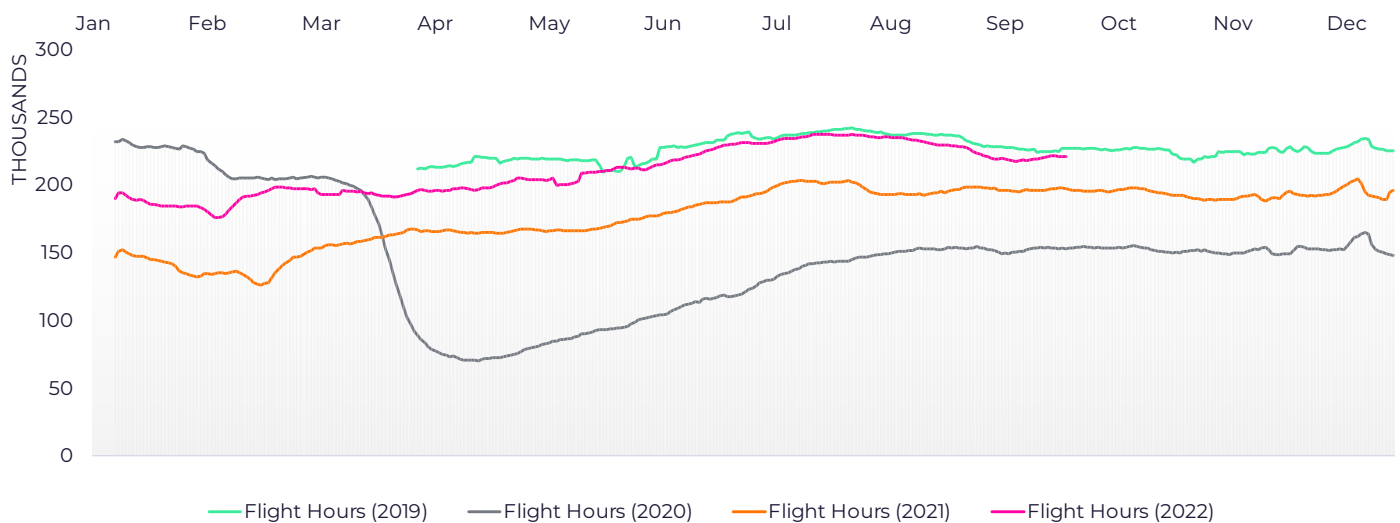


# Global daily flights variation



The rolling 7-day average of global daily flight volumes fell slightly in September, ranging between 125,000 and 119,000 flights daily. 24 July 2022 represents the air traffic high point with the 7-day average reaching 137,000 flights.

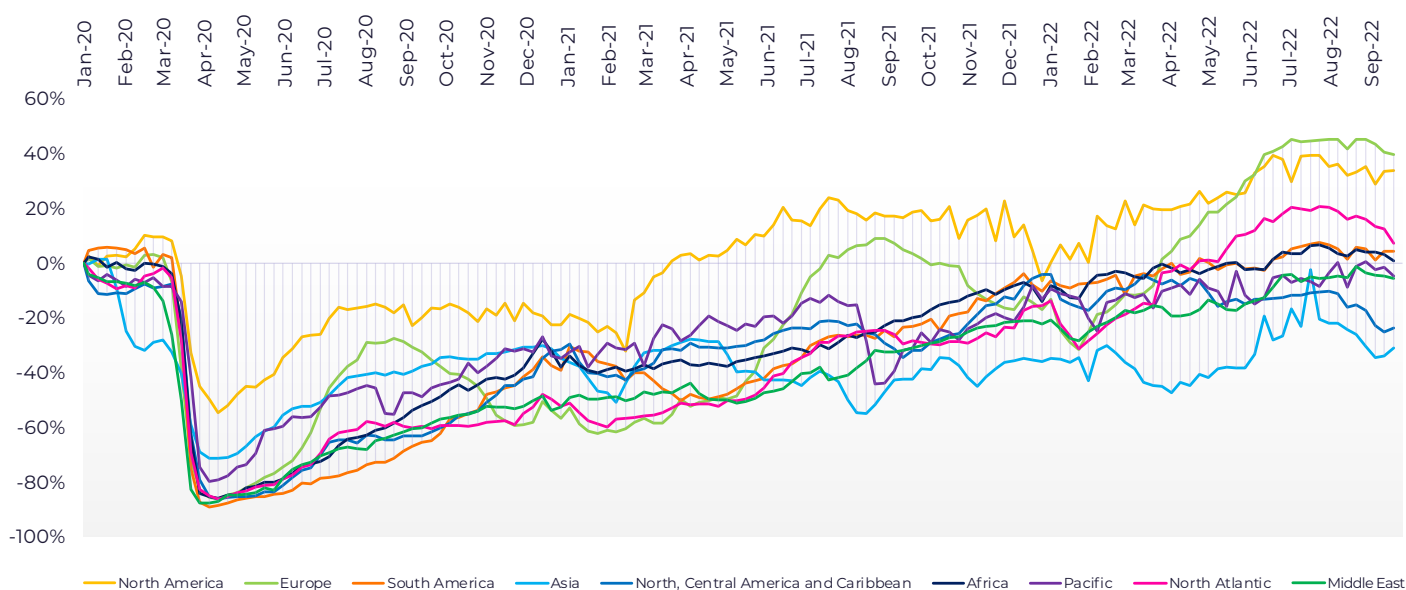
## Daily Flight Hours



Global flight hours are an important metric of ATM workload. The post pandemic high remains 29 July 2022 when 244,000 flight hours were operated globally.

Daily flight hours in September 2022 ranged between 213,000 and 230,000 hours per day.

## Percent change in movements by region



September 2022 traffic volumes fell materially in Asia, the North Atlantic and North Central America and the Caribbean. Minor declines in other regions rounded out the global picture. Europe, which in normal years has high seasonal variability in traffic volumes, fell only slightly.

## Tracking the recovery: Flights and flight hours by region

	Dates	Average daily flight hours	Percent change	Average daily movements	Percent change
Middle East	1-Jan-2020 18-Sep-2022	7,400 9,000	+22%	6,100 5,800	-5%
North America	1-Jan-2020 18-Sep-2022	67,400 77,900	+16%	38,000 51,000	+34%
Europe	1-Jan-2020 18-Sep-2022	44,700 51,100	+14%	24,900 34,900	+40%
South America	1-Jan-2020 18-Sep-2022	10,700 10,400	-3%	5,800 6,100	+5%
Asia	1-Jan-2020 18-Sep-2022	74,900 54,300	-28%	35,000 24,200	-31%
Caribbean	1-Jan-2020 18-Sep-2022	9,100 6,900	-24%	6,400 4,900	-23%
Africa	1-Jan-2020 18-Sep-2022	4,200 4,000	-5%	1,800 1,900	+6%
North Atlantic	1-Jan-2020 18-Sep-2022	6,800 7,000	+3%	2,300 2,400	+4%

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## ABOUT THE ATM REPORT

The ATM Report is issued monthly 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. Whilesome non-ADS-B equipped aircraft may not be included, the data is appropriate for the monitoring of global trends in traffic levels.

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## 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](https://canso.org).

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## 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.

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