

CANSO ATM Traffic Analysis Report

13 August 2020

Increasing global traffic levels continue through early August

- The average number of daily flights for the weeks of 26 July and 2 August 2020 were 71,400 and 73,600 respectively. This represents a decline of 36% from the comparable global daily average in August 2019 when over 115,000 flights operated daily.
- Average daily flight hours for the weeks of 26 July and 2 August 2020 were 144,700 and 148,600 respectively. That remains 37% less than average global daily flight hours the year prior, when 237,800 flight hours occurred daily.

Overall growth rate slows from July

The number of aircraft operating daily is now approaching the number that was regularly operating at the beginning of 2020. However significant differences in the activity level globally are still evident.

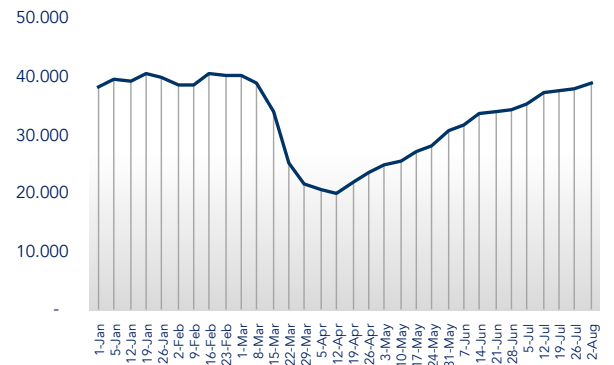
Increases in global average daily flight numbers slowed somewhat, with 3,200 flights added in the past two weeks (down from 5,800 additional flights added in the previous two week period and 8,200 additional flights added in the two week period before that).

The overall number of flights operating on a daily basis globally is now 133% greater than the low point of global traffic volumes that was experienced in mid-April.

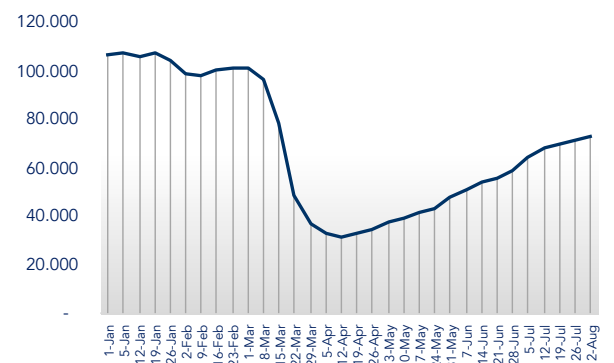
In comparison, global daily flight hours have increased by 111% since mid-April, with 78,400 daily flight hours added since that time.

While capacity and passenger data released from other sources shows deeper impacts continuing, this measure of flights and flight hours includes cargo, business aviation and other categories of traffic in addition to passenger traffic.

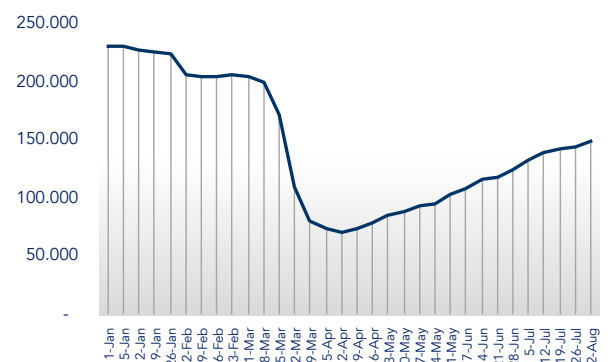
Average unique aircraft



Average global flights

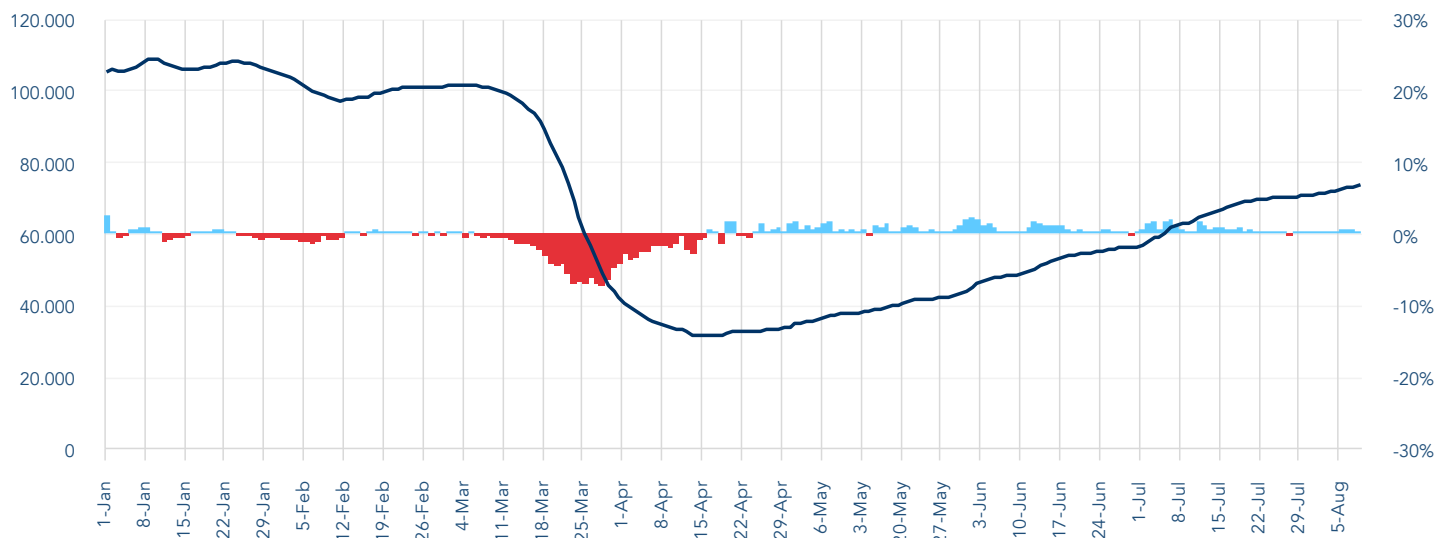


Average global flight hours



Global daily flights variation

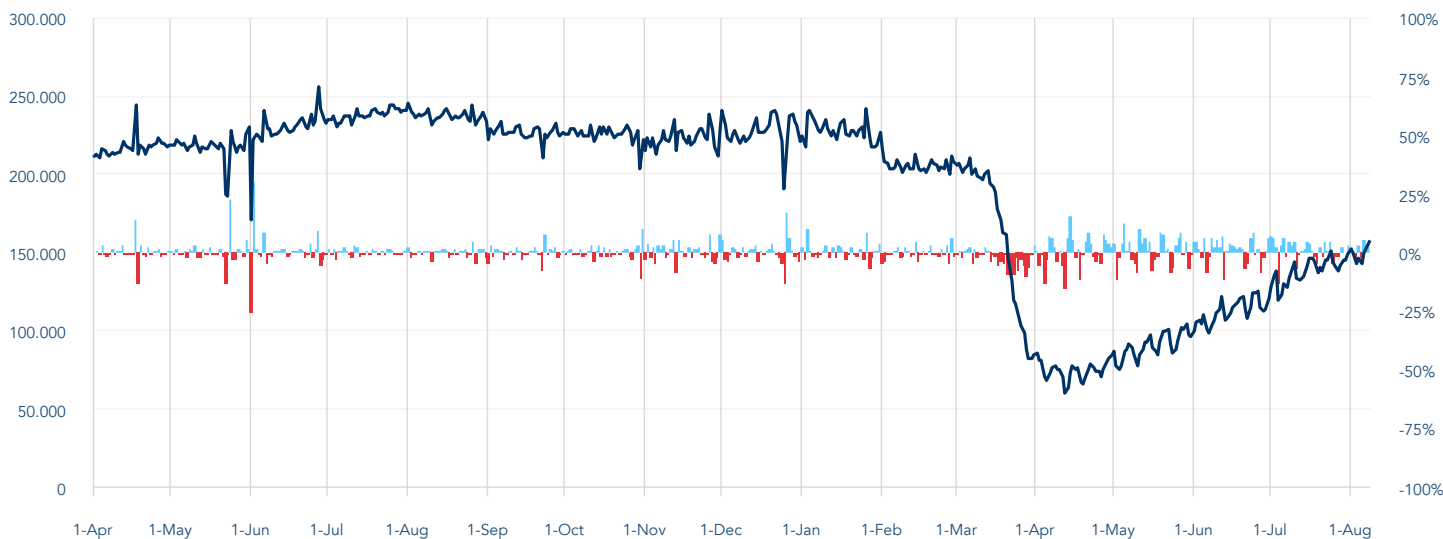
Rolling 7-day average of daily flights



The percentage daily variability rates show a slowing in the rate of traffic growth, but continued steady increases in late July and early August. A more variable recovery is occurring in specific regions and within states due to the development of the pandemic, the status of travel restrictions and travel demand factors.

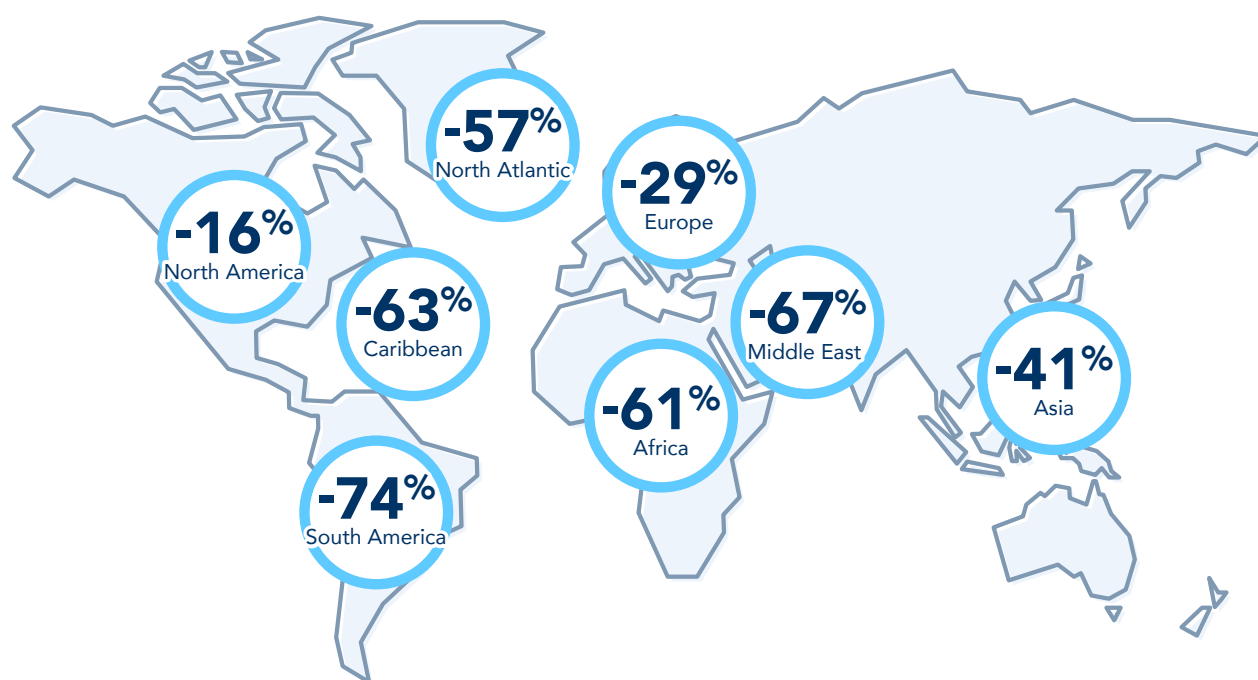
Daily flight hours

Flight hours since April 2019 with percentage of day-to-day variability



Daily flight hours, an important metric of ATM workload, reached 151,700 hours globally on 7 August 2020. That represents the highest level of daily flight hours in twenty weeks.

Regional traffic brief



Europe added 2,100 additional daily flights over the past two weeks, once again giving the region the largest increase since our last report. While the region is 29% off volumes seen in January 2020, it is important to note that when volumes are compared to its normal summer peak, the decline is much larger. Other regions saw more marginal growth or traffic volumes that remained flat overall since mid-July. South America continues to be the most heavily impacted region, with air traffic at -74% of volumes from the beginning of the year.

Average daily flight hours and average daily movements by region

	Dates	Average daily flight hours	Percent change	Average daily movements	Percent change
Middle East	01 Jan 2020 02 Aug 2020	7,400 3,100	58%	6,100 2,000	67%
North America	01 Jan 2020 02 Aug 2020	67,400 57,300	15%	38,000 32,000	16%
Europe	01 Jan 2020 02 Aug 2020	44,700 31,800	29%	24,900 17,700	29%
South America	01 Jan 2020 02 Aug 2020	10,700 3,000	72%	5,800 1,500	74%
Asia	01 Jan 2020 02 Aug 2020	74,900 42,900	43%	35,000 20,800	41%
Caribbean	01 Jan 2020 02 Aug 2020	9,100 3,500	62%	6,400 2,400	63%
Africa	01 Jan 2020 02 Aug 2020	4,200 2,400	43%	1,800 700	61%
North Atlantic	01 Jan 2020 02 Aug 2020	6,800 2,500	63%	2,300 1,000	57%

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.

