



# All-Causes Delay to Air Transport in Europe

May 2018 – based on preliminary airline data\*

## Summary & Significant Events

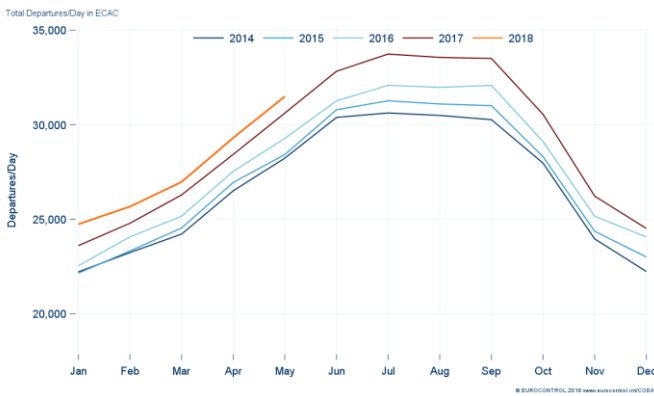
All-causes delay in May 2018 was at its highest level for the last 5 years, according to preliminary data. Airline-reported ATFM delays doubled, mainly because of ATC industrial action in France and convective weather.

Weekend industrial action in Marseille ACC caused disruption on 5-07; 12-14; 21-23 and 26-28 May.

The other major delay generator was weather, especially en-route. UAC's Karlsruhe, Maastricht, Langen, London and Vienna suffered from thunderstorms in May. As for airports, Frankfurt had weather issues 23-24 May and Amsterdam Schiphol on 29 May.

The average delay per delayed flight on departure (ADD) was 32.3 minutes per flight. In May 2017 it was 25.7 minutes per flight. The percentage of delayed flights (PDF) (>=5 minutes) on departure was 46.7%. This was an increase of 5 percentage points when compared May 2017. The percentage of delayed flights on arrival also increased to 41.6% compared to May 2017 when 36.7% of flights were delayed on arrival.

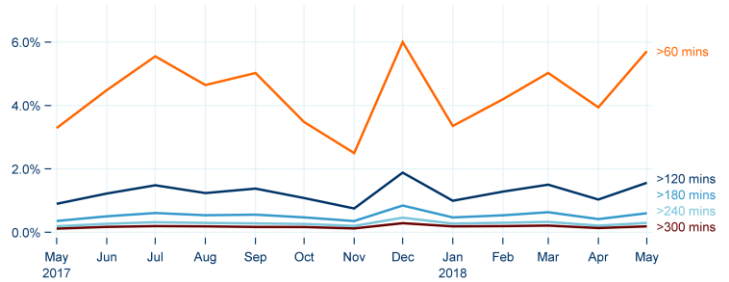
## Traffic



In May 2018, ECAC saw an increase of 2.8% in the number of flights per day compared to May 2017.

## Long Departure Delays All-Causes

Percentage of Flights Delayed on Departure

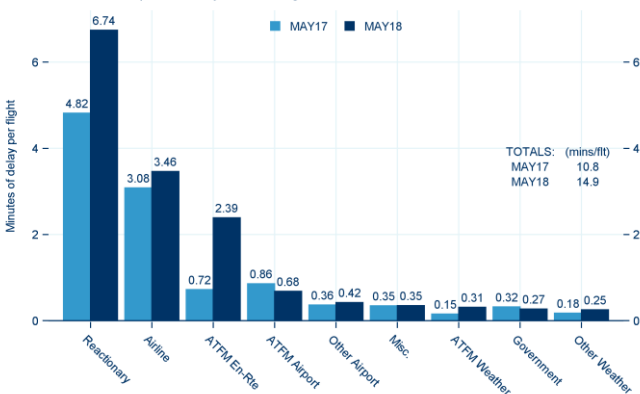


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The percentage of delayed flights greater than 60 minutes from all-causes increased from 3.3% to 5.7% when compared to May 2017.

## Average Delay per Flight by Delay Cause

All-causes, airline-reported delay: Main categories

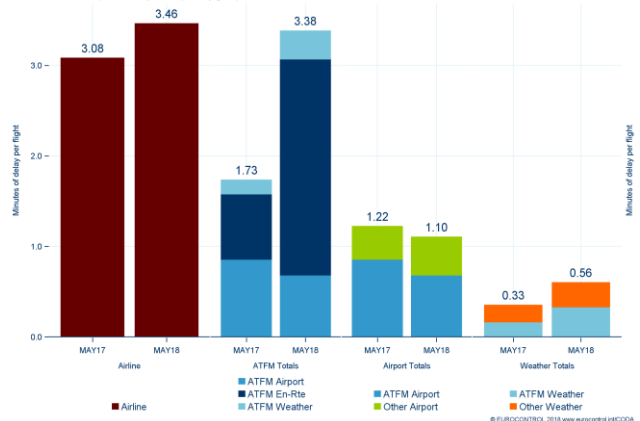


Based on CODA sample of 53.6% of commercial flights in the ECAC region in MAY18

The average delay per flight in May 2018 increased by 4.1 minutes to 14.9 minutes per flight. ATFM en-route delay increased sharply to 2.4 minutes per flight. The higher shares of en-route delay observed drove reactionary delay for airlines, this increasing to 6.7 minutes per flight in comparison to 4.8 minutes in May 2017.

## Primary Delay Groupings

All-causes, airline-reported delay: Main primary groups



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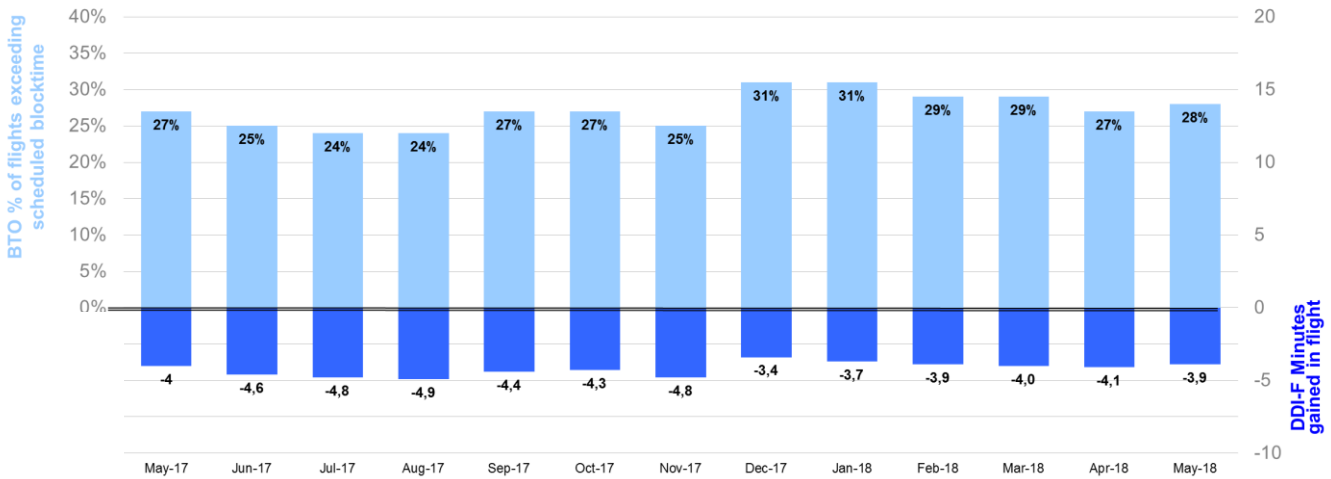
Airline delays increased to 3.5 minutes per flight in May 2018. Grouped ATFM delay as reported by airlines doubled by 1.7 minutes to 3.4 minutes per flight. The main contribution to this change came in ATFM en-route delay, this increasing to 2.4 minutes per flight.

\* This CODA report is based on airline data as currently available. Airline data coverage for May 2018 so far is: 53%  
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## CODA Scheduling Indicators

The **Block Time Overshoot (BTO)** or the percentage of flights with an actual block time which exceeds the scheduled block time increased in May 2018 with 28% of flights exceeding their block times compared to a year ago.

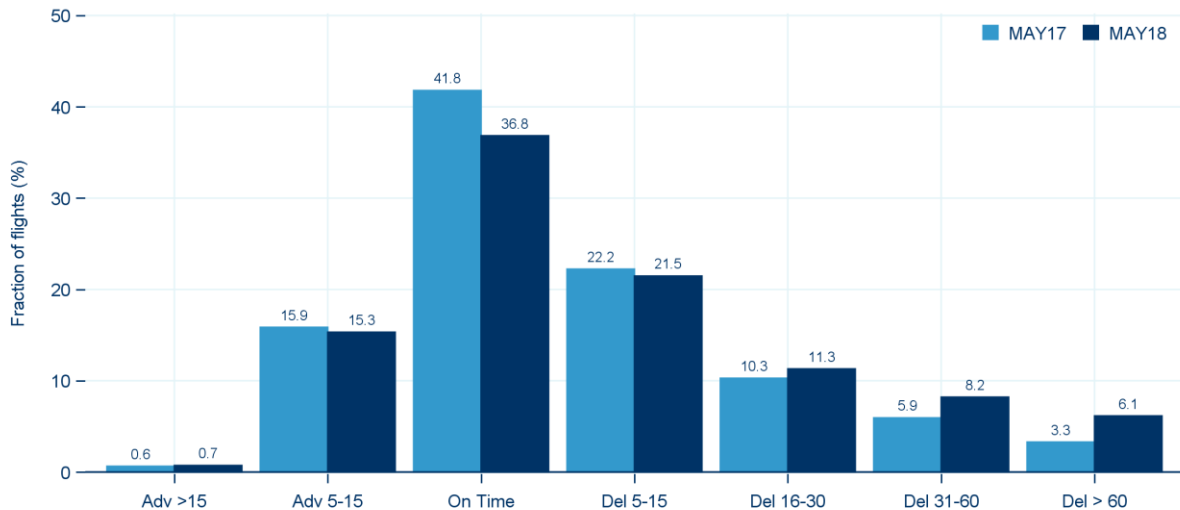
The **Delay Difference Indicator - Flight (DDI-F)** or the difference between departure and arrival punctuality expressed in minutes. This can be indicated as a positive or negative figure, for example a flight departing with 20 minutes delay and arriving with 30 minutes arrival delay will have a DDI-F of +10 minutes. The European DDI-F in May 2018 was -3.9 minutes, decreasing slightly when compared to May 2017.



## Distribution of All Flights by Length of Delay (Departure Punctuality)

In May 2018, 36.8% of flights departed within the 5 minute threshold before or after the scheduled departure time (STD), a decrease of 5.0 percentage points in comparison to May 2017. Flights delayed >30 minutes from all-causes increased from 9.2% to 14.3% when compared to May 2017.

All-Causes Departure punctuality



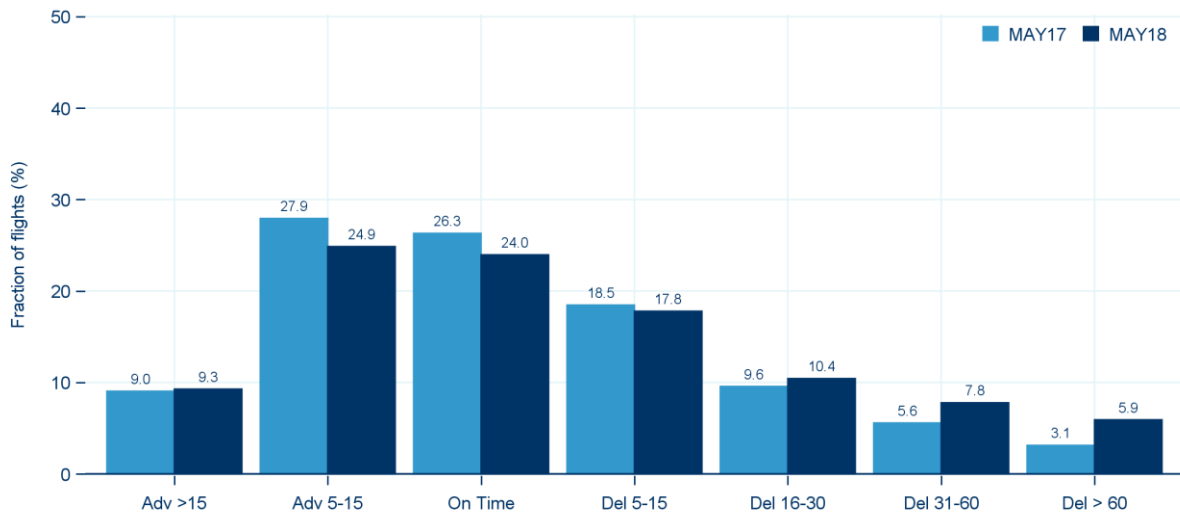
Based on CODA sample of 53.6% of commercial flights in the ECAC region in MAY18

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## Distribution of All Flights by Length of Delay (Arrival Punctuality)

Arrival punctuality decreased with 76.0% of flights arriving within 15 minutes or earlier of their scheduled time of arrival time compared to 81.7% in May 2017. Flights delayed >30 minutes from all-causes increased from 8.7% to 13.7% when compared to May 2017.

All-Causes Arrival punctuality



Based on CODA sample of 53.6% of commercial flights in the ECAC region in MAY18

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## Average Delay per Delayed Flight and Percentage of Delayed Flights Comparison

### Departure



In May 2018 the average delay per delayed flight ( $\geq 5$  minutes) on departure was 3.2 minutes, an increase of 6.6 minutes. 45.3% of flights were delayed on departure, an increase of 4.2 percentage points when compared to May 2017.

### Arrival



The average delay per delayed flight ( $\geq 5$  minutes) on arrival was 34.3 minutes, an increase of 7.1 minutes. 41.6% of flights were delayed on arrival, an increase of 4.9 percentage points.

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