



All-Causes Delay to Air Transport in Europe

May 2017 – based on preliminary airline data*

Summary & Significant Events

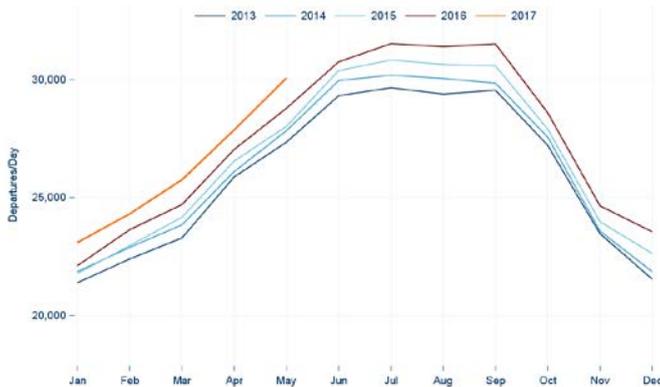
In May 2017 preliminary data from airlines describing all-causes delay illustrated a stable delay situation, with an increase in the number of flights per day in ECAC of 4.6% compared to May 2016.

The average delay per delayed flight on departure (ADD) was 26.7 minutes, a slight increase of 0.4 minutes in comparison to May 2016 where the ADD was 26.3 minutes per flight. The percentage of delayed flights (>=5 minutes) on departure was 41.3%, an increase of 0.6 percentage points when compared to the same month in 2016.

In May airport ATC capacity delays and works in progress affected Amsterdam Schiphol. Istanbul Sabiha Gökçen airport, en-route delay reported by airlines fell to 0.66 minutes per flight in comparison to May 2016 a month where French ATC industrial action occurred. There was industrial action in Romania on the 12 and 30 May, however the main effect of this was aircraft re-routing. On 10, 11 and 18 May Lisbon and Amsterdam Schiphol respectively suffered from fuel supply issues.

Seasonal weather mainly thunderstorms and winds impacted Frankfurt Main and to a lesser extent Zurich, London Heathrow and Munich airports during the month.

Traffic



In May 2017, ECAC saw an increase of 4.6% in the number of flights per day compared to May 2016.

Long Departure Delays All-Causes

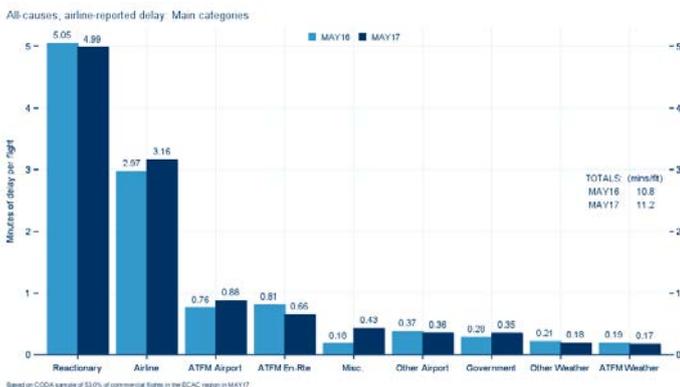
Percentage of Flights Delayed on Departure



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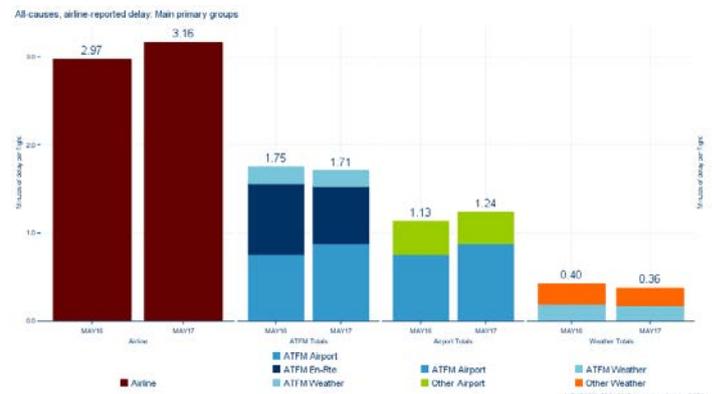
The percentage of flights delayed greater than 60 minutes from all-causes recorded a slight decrease of 0.2 percentage points to 3.2% when compared to May 2016.

Average Delay Per Flight by Delay Cause



The average delay per flight in May 2017 increased by 0.4 minutes to 11.2 minutes per flight. Further analysis of the delay reasons shows that reactionary delay remained stable, airline increased by 0.2 minutes per flight to 3.16 minutes per flight.

Primary Delay Groupings



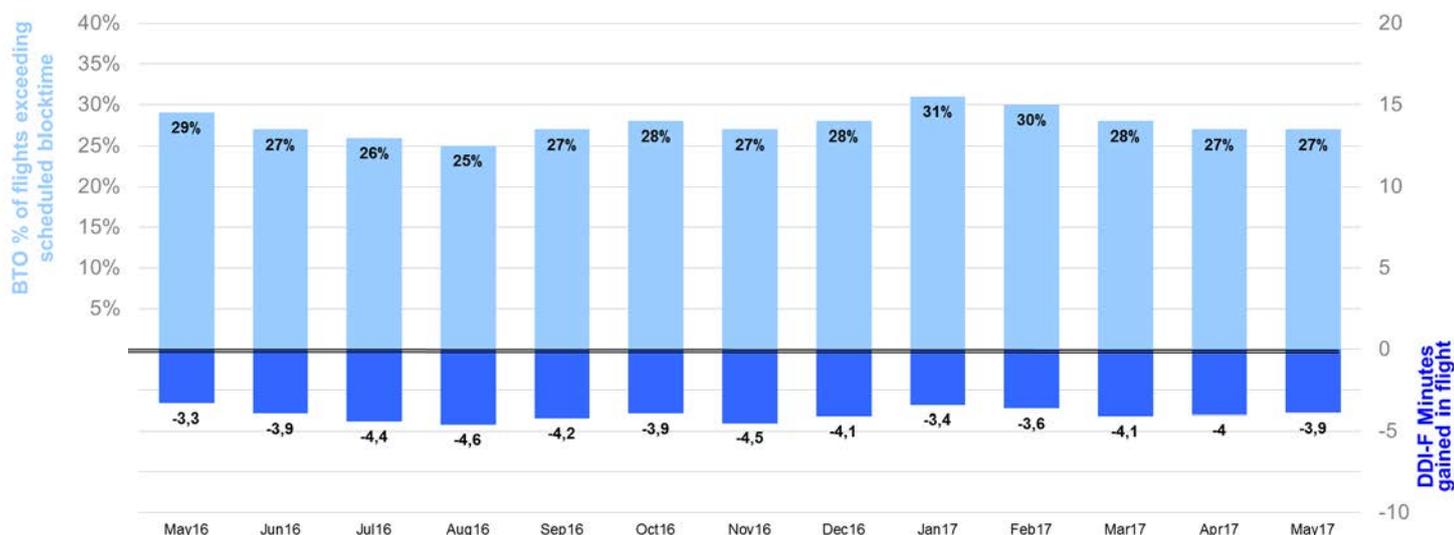
ATFCM delays reported by airlines fell slightly to 1.71 minutes per flight, with ATFM Airport delay driving this increase, contributing 0.88 minutes per flight to the total.

* This CODA report is based on airline data as currently available. Airline data coverage for May 2017 so far is: 53%
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CODA Scheduling Indicators

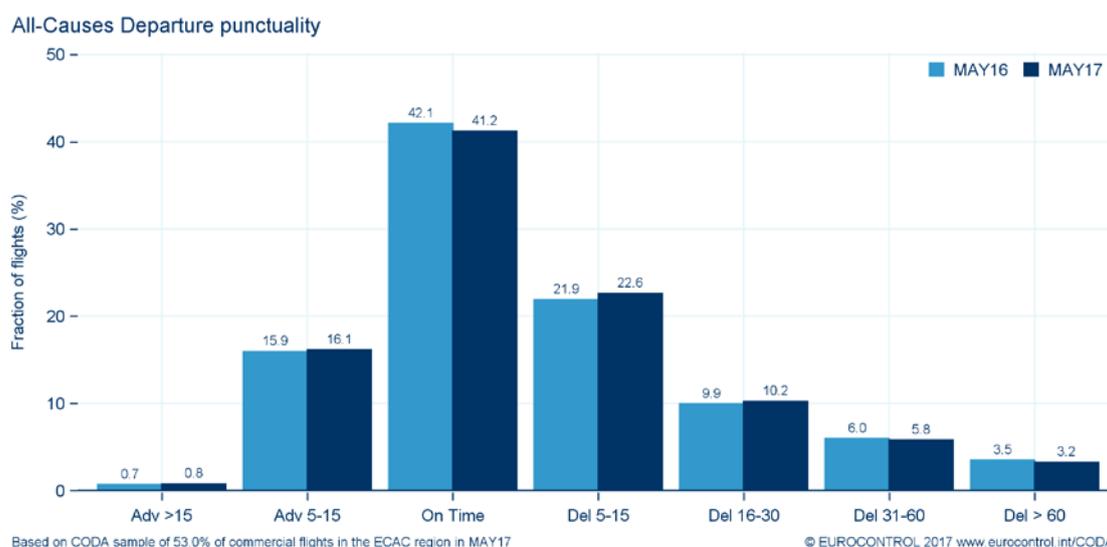
The **Block Time Overshoot (BTO)** or the percentage of flights with an actual block time which exceeds the scheduled block time decreased in May 2017 with 27% of flights exceeding their block times compared to a year ago.

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 2017 was -3.9 minutes, an increase when compared to May 2016 where the DDI-F was -3.3 minutes.



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

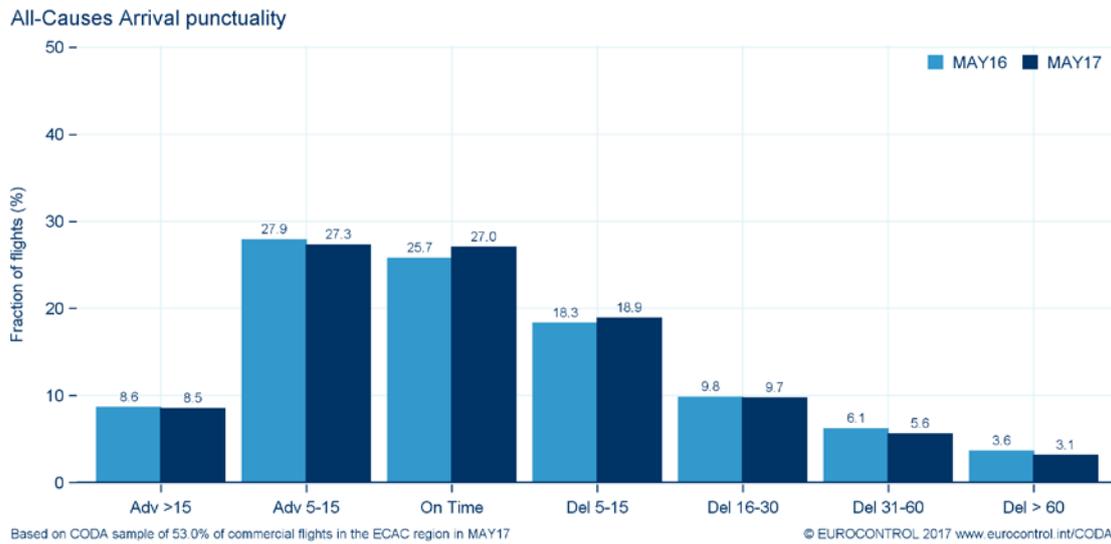
In May 2017, 41.2% of flights departed within the 5 minute threshold before or after the scheduled departure time (STD), a slight decrease of 0.9 points in comparison to the equivalent month in 2016. Flights delayed >30 minutes from all-causes also decreased from 9.5 to 9.0 percent when compared to May 2016.



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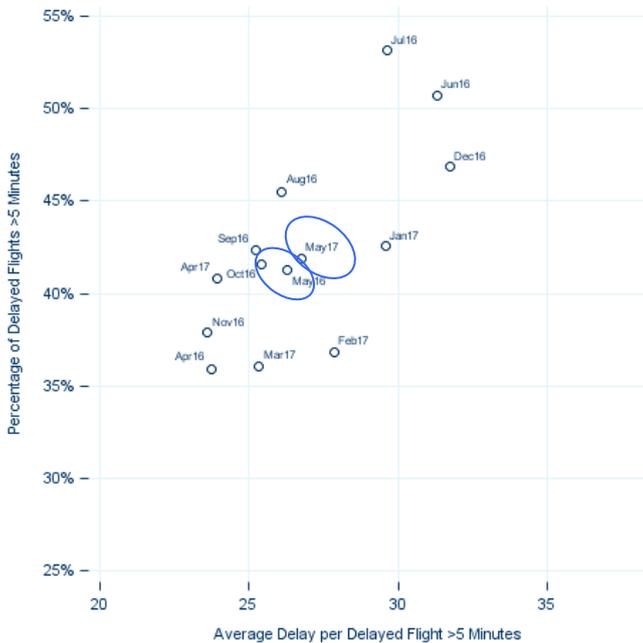
Distribution of All Flights by Length of Delay (Arrival Punctuality)

Arrival punctuality improved with 73.2% of flights arriving within 15 minutes of the scheduled time of arrival time compared to 71.9% in May 2016. Flights arriving >15 minutes ahead of schedule remained stable at 8.5% when compared to May 2016.



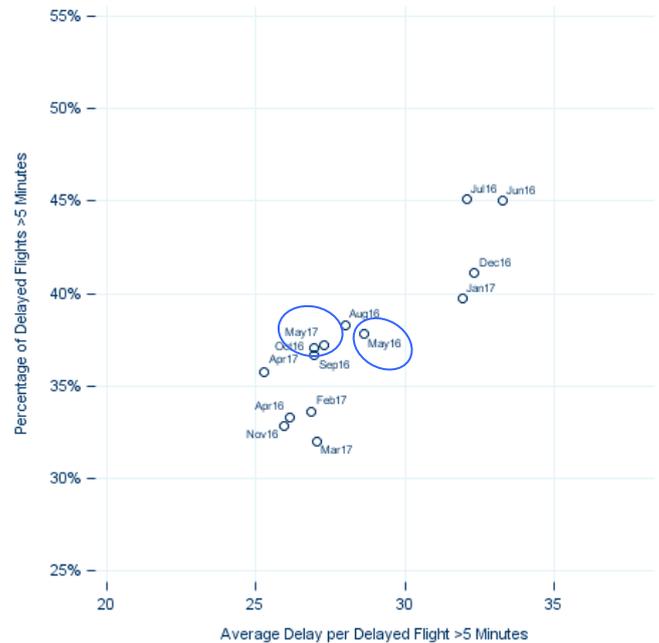
Average Delay per Delayed Flight and Percentage of Delayed Flights Comparison

Departure



In May 2017 the average delay per delayed flight (≥ 5 minutes) on departure was 26.7 minutes, an increase of 0.4 minutes. 41.9% of flights were delayed on departure, an increase of 0.6 percentage points when compared to May 2016.

Arrival



The average delay per delayed flight (≥ 5 minutes) on arrival was 27.3 minutes, a decrease of 1.3 minutes when compared to May 2016, in contrast to the slight increase of the delay on departure. 37.2% of flights were delayed on arrival, a decrease of 0.6 percentage points when compared to May 2016.