



# LIZ

Situation and Information Centre

## Annual ATFM delay report

# 2017

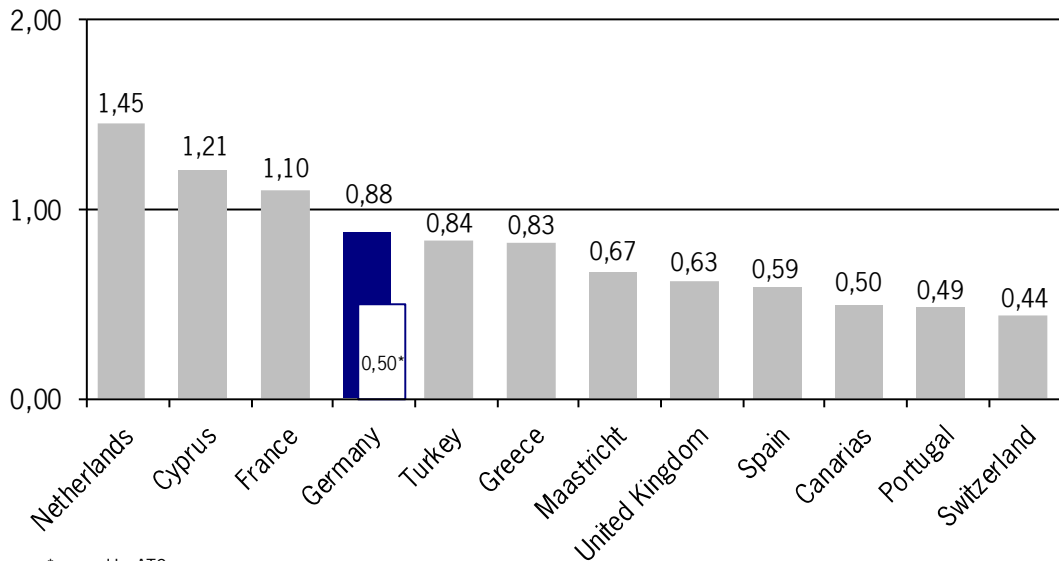
### Air Traffic Flow Management Delay (ATFM) ATFM measures in Europe (Data Source: CFMU statistics)

	2017		2016		Trend 17/16
<b>Total Flights</b>	10.605.946		10.190.900		4,1%
<b>Regulated Flights</b>	1.641.471	15,5%	1.402.716	13,8%	17,0%
<b>Delayed Flights</b>	891.479	8,4%	814.744	8,0%	9,4%

**Total Flights** Number of flight plans having been activated in the EUROCONTROL CFMU TACT-System.  
**Regulated Flights** Number of flights / percentage of flights with SLOT allocation (with & without delay).  
**Delayed Flight** Number of flights / percentage of flights subject to delays due to ATFM measures.  
**Trend Column** The percentages show the changes compared to the corresponding period last year.

### ATFM-Delay per flight (Data Source: CFMU statistics)

Average ATFM delay per flight in minutes attributable to national FMPs.



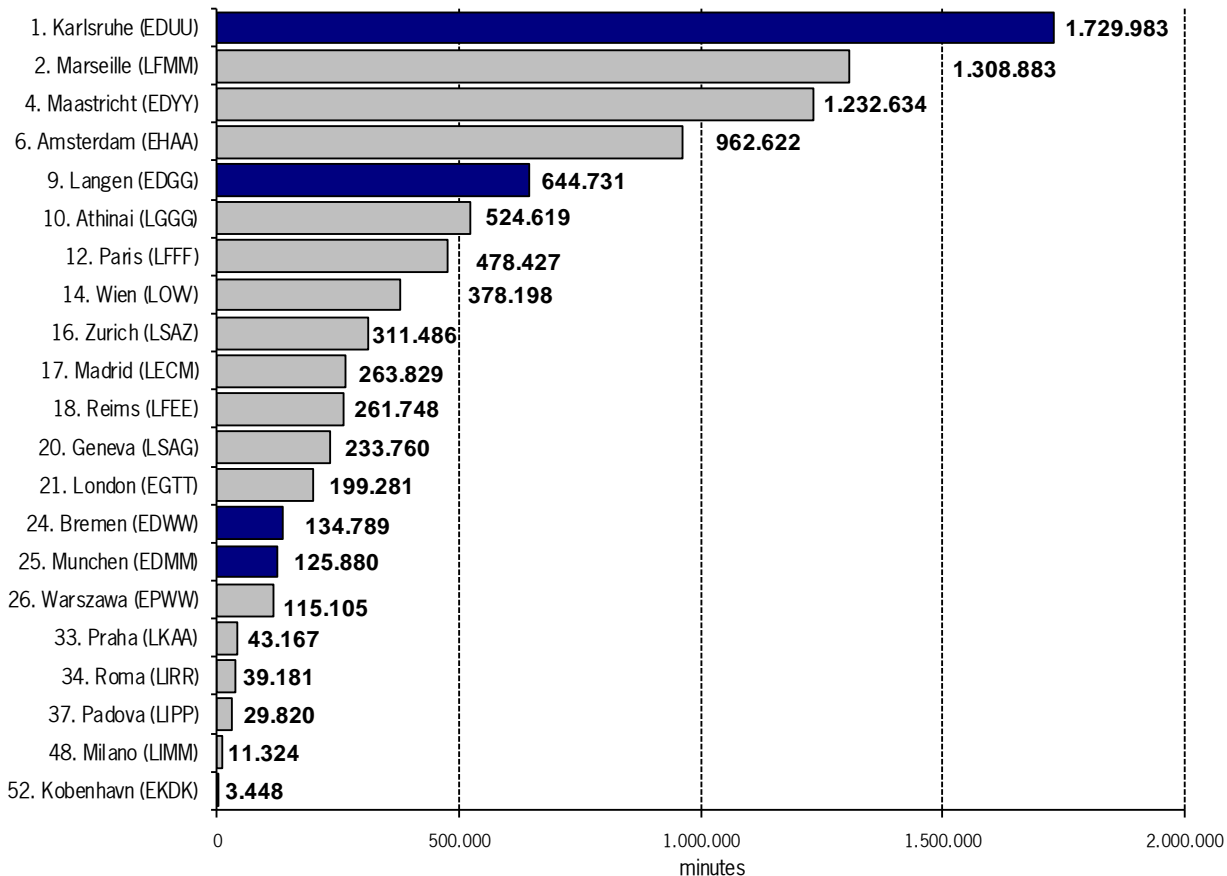
\* caused by ATC  
(source: DFS CC/FC, based on FMP reports)

### ATFM Delay as a result of ATFM measures (Data Source: CFMU statistics)

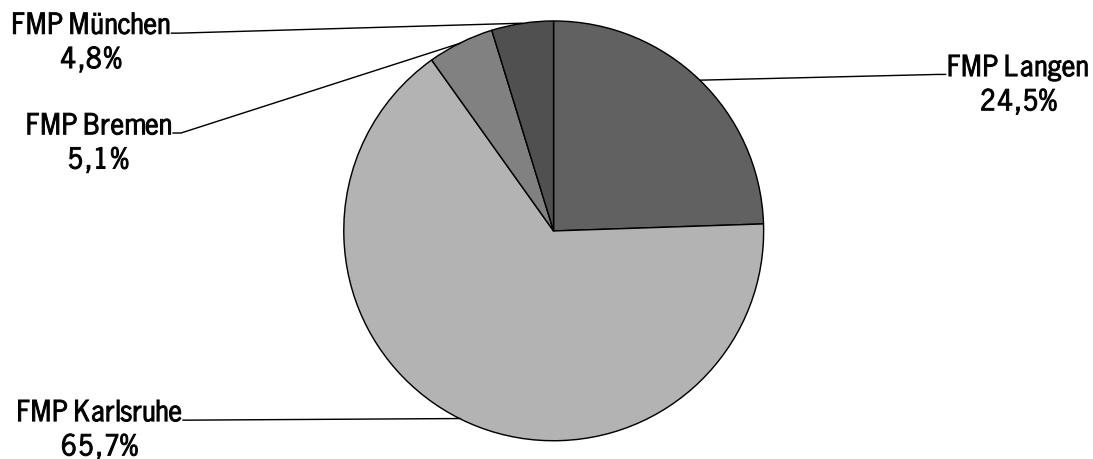
ATFM Delay in minutes as a result of ATFM measures of selected European FMPs.

ATFM Delay: difference in time between estimated take-off time (ETOT) and calculated take-off time (CTOT) of the CFMU.

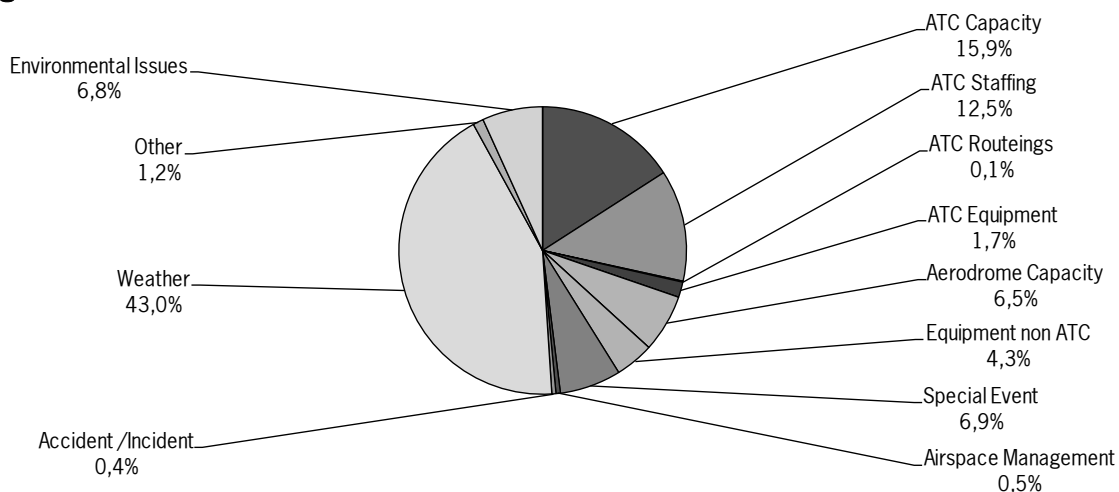
**Percentage of German FMPs: 2.635.383 = 16,6% minutes of total delay of 15.889.603 minutes**



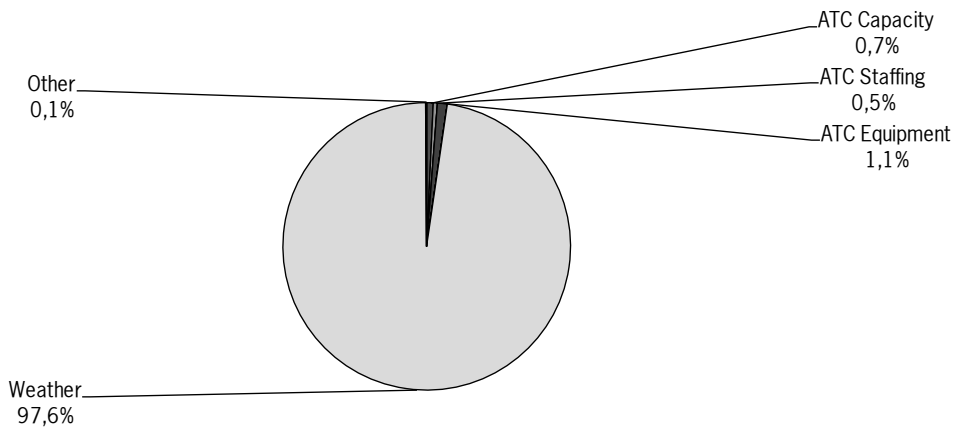
### Percentage of German "ATFM delay" attributable to different FMPs (Data Source: DFS CC-FC, based on FMP reports)



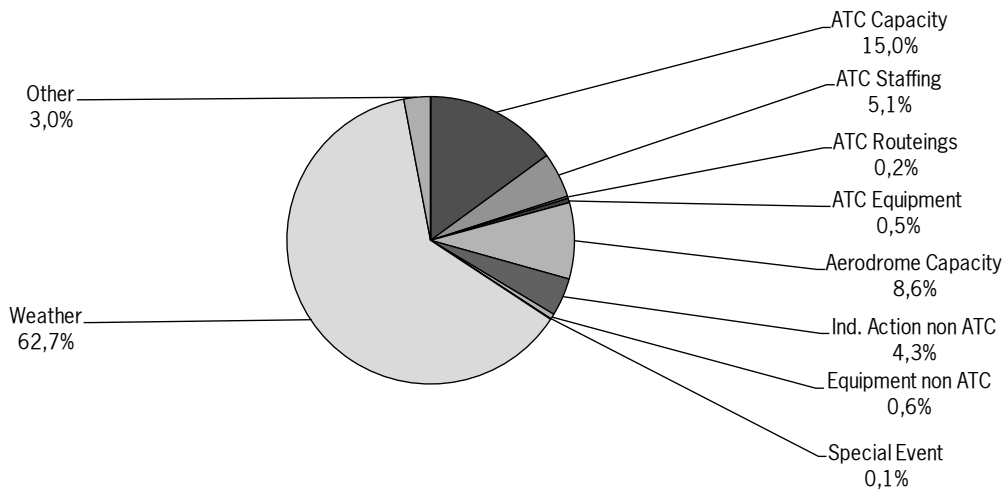
**FMP  
Langen**



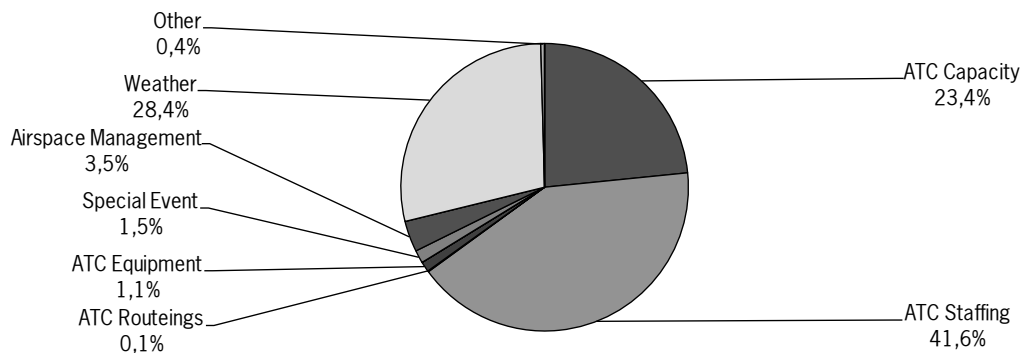
**FMP  
München**



**FMP  
Bremen**

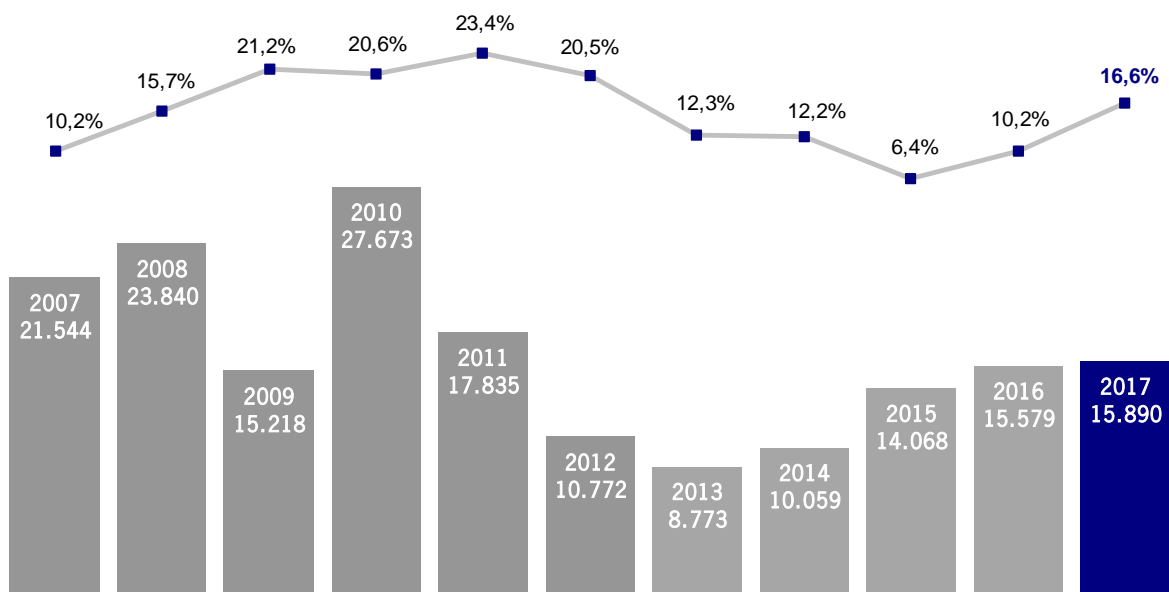


FMP  
Karlsruhe

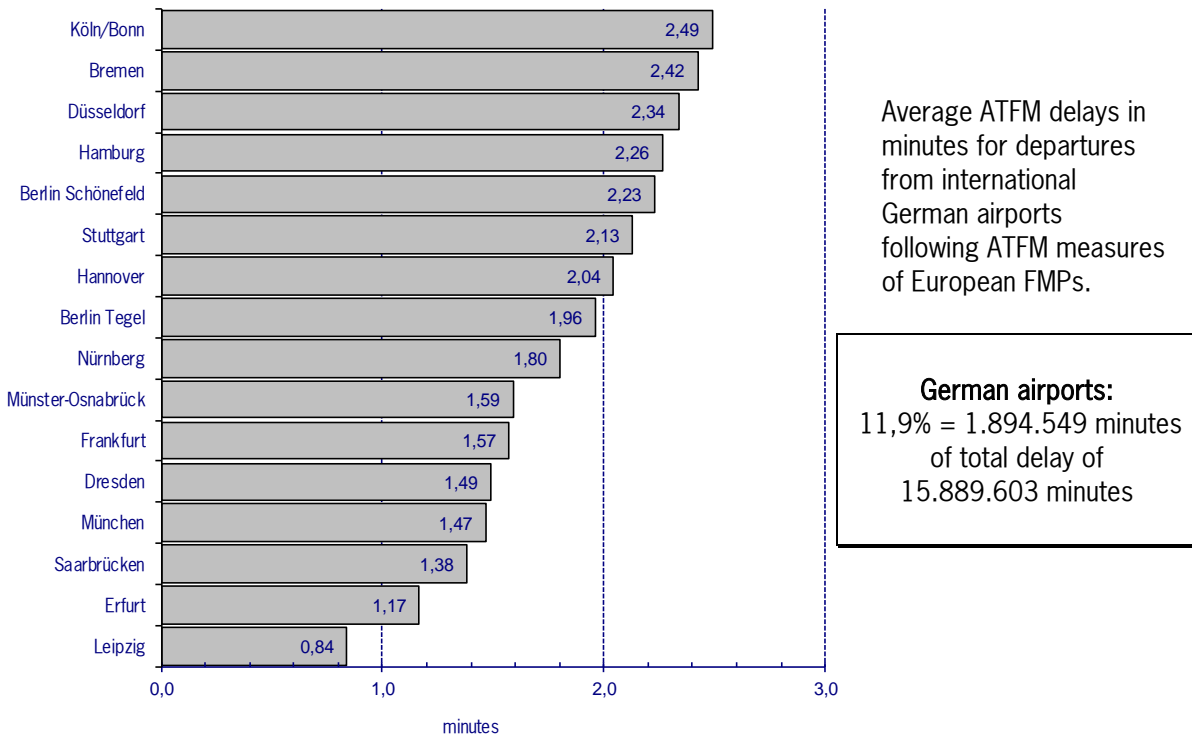


**Development and share of "ATFM delays" attributable to German FMPs**  
(Data Source: CFMU statistics)

ATFM delays (in thousands of minutes) and percentages of ATFM delays attributable to ATFM measures.

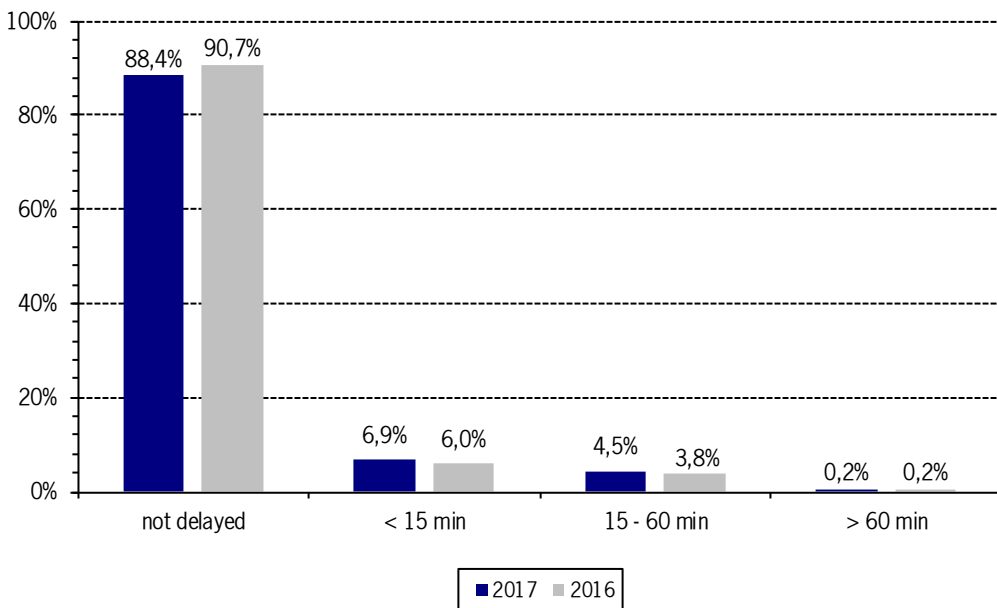


### ATFM departure delay at international German airports (Data Source: CFMU statistics)



### ATFM departure delays at international German airports (Data Source: CFMU statistics)

Percentage of ATFM delays for flights departing from international German airports attributable to ATFM measures of German FMPs in categories. The delays are distributed in 3 categories.



## ATFM Arrival Delay

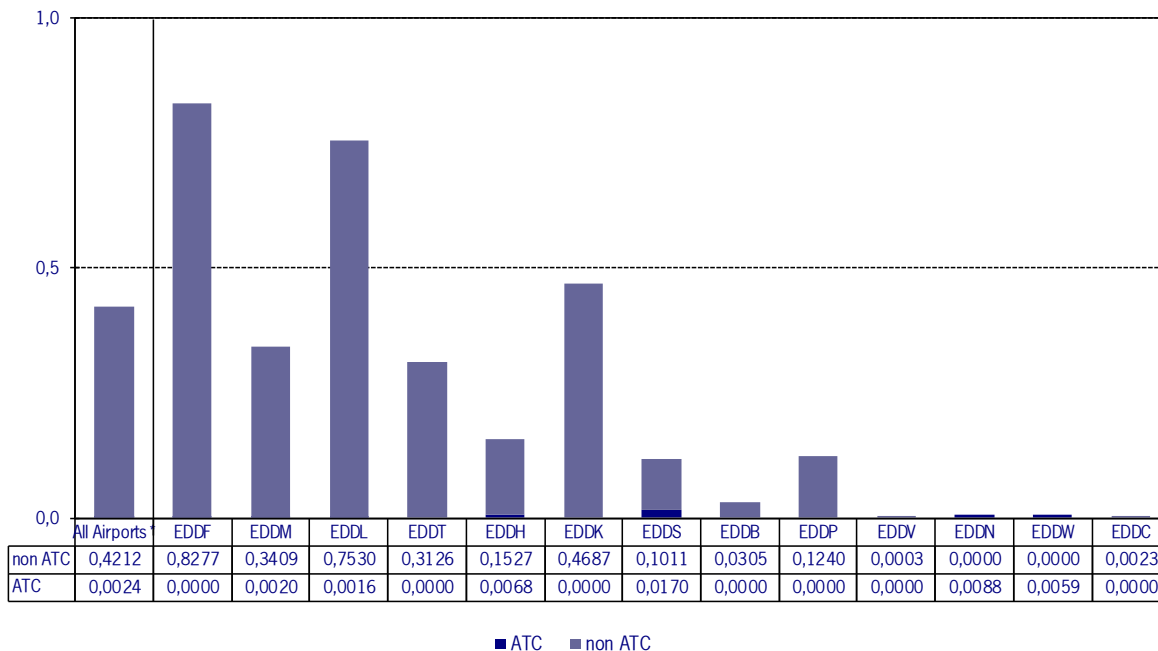
(Data Source: CFMU statistics, DFS LIZ)

ATFM Arrival Delay with reference to the relevant Airport, in minutes per IFR Arrival.

*ATFM Arrival Delay:*

*sum of all arrival ATFM delay divided by the sum of all inbound flights for the particular traffic volume*

**ATFM Arrival Delay**



Please note: The ATFM Delay data are provided by CFMU statistics. Due to internal distribution of the ATFM Delay, data are modified by CC/FC and TWR/M. The inbound flight information is based on LIZ statistics.

\* All Airports means all international German Airports  
 Berlin Schönefeld (EDDB), Berlin Tegel (EDDT), Bremen (EDDW), Dresden (EDDC), Düsseldorf (EDDL), Erfurt (EDDE), Frankfurt (EDDF), Hamburg (EDDH), Hannover (EDDV), Köln/Bonn (EDDK), Leipzig (EDDP), München (EDDM), Münster-Osnabrück (EDDG), Nürnberg (EDDN), Saarbrücken (EDDR), Stuttgart (EDDS)