



CIRIUM
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SOUTHEAST ASIA

THE ON-TIME PERFORMANCE MONTHLY REPORT

AIRLINES

DECEMBER 2023

cirium.com

Southeast Asia



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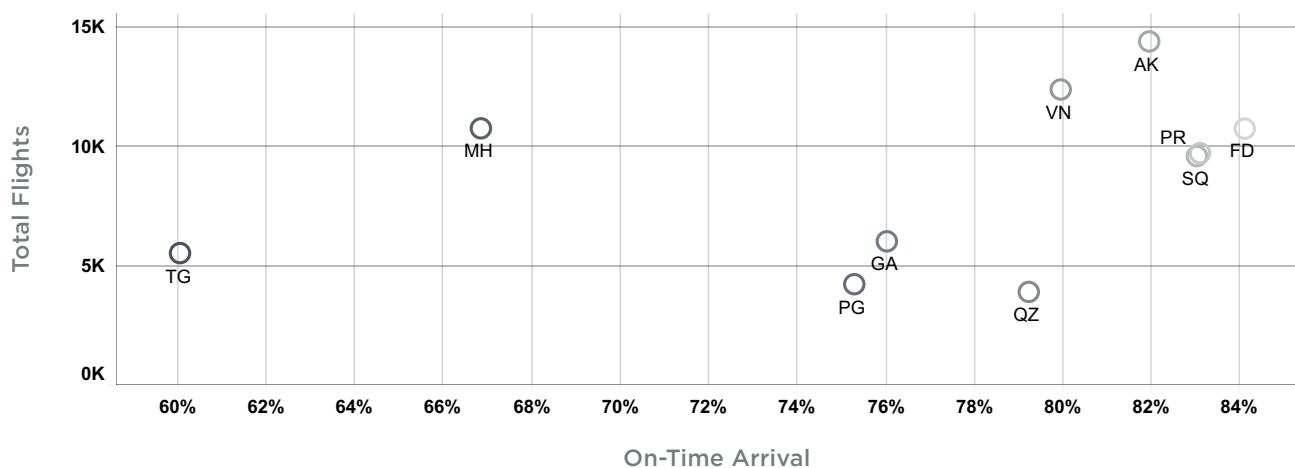
THE MOST ON-TIME AIRLINES



The most on-time Southeast Asia Airlines

	On-Time Ranking	On-Time Arrival	Tracked Flights	Completion Factor	Total Flights	Summary of Top Performers
Thai AirAsia (FD)	1	84.09%	98.57%	99.99%	10,796	Total On-Time Arrivals 76.94%
Philippine Airlines (PR)	2	83.08%	99.87%	99.24%	9,765	
Singapore Airlines (SQ)	3	83.01%	99.88%	99.88%	9,642	
AirAsia (AK)	4	81.93%	99.55%	99.96%	14,462	Total Tracked Flights 97.04%
Vietnam Airlines (VN)	5	79.94%	84.96%	99.27%	12,442	
Indonesia AirAsia (QZ)	6	79.21%	99.54%	99.39%	3,934	
Garuda Indonesia (GA)	7	76.01%	98.57%	99.16%	6,060	Total Flights 87,732
Bangkok Airways (PG)	8	75.27%	99.86%	99.25%	4,257	
Malaysia Airlines (MH)	9	66.84%	99.39%	99.23%	10,809	
Thai Airways International (TG)	10	60.05%	90.20%	99.82%	5,565	

Relative Performance



Operational Highlights

	Completion Factor	Within Block Time	On-Time Arrivals	On-Time Departures
Thai AirAsia (FD)	99.99%	76.27%	84.09%	82.75%
Philippine Airlines (PR)	99.24%	74.27%	83.08%	81.91%
Singapore Airlines (SQ)	99.88%	73.14%	83.01%	82.62%
AirAsia (AK)	99.96%	74.16%	81.93%	82.37%
Vietnam Airlines (VN)	99.27%	81.77%	79.94%	76.87%

Trend Report

	Airline	Dec 23	Nov 23	Oct 23
ASIA PACIFIC REGION RANKING				
1	Thai AirAsia	84.09%	79.80%	77.58%
2	Philippine Airlines	83.08%	84.27%	82.74%
3	Singapore Airlines	83.01%	74.37%	77.99%
4	AirAsia	81.93%	86.68%	81.79%
5	Vietnam Airlines	79.94%	86.28%	83.14%



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DATA IN. INTELLIGENCE OUT.

Empowering the aviation industry with insights on past, present, and future airline supply, demand, traffic and fares.

Research markets faster

Track schedules and research existing or target markets from a simple and intuitive online interface.

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Calculate passenger volume and revenue by route and identify risks and opportunities for growth.

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Global demand-based traffic data provides a more complete picture of both supply and demand.

Cirium Diio is the leading airline analytics platform for the aviation industry.

The Cirium Diio suite helps stakeholders forecast air travel trends with reliable data on supply, demand, traffic and fares. Cirium serves airlines, airports, travel providers, tourism and other aviation sectors.



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APPENDIX



Report Calculation

Airline Categorisation 2023

We report OTP figures inclusive of all flights operated under a carrier's brand (mainline, wetlease, subsidiaries). To qualify for the Cirium OTP Report, there is an 80% actual gate arrival time data coverage requirement for all airline categories. These categories include Global, Major (by region) and low-cost carriers.

For the **Global Airlines category**, we consider the Top 10% of all passenger airlines by capacity and volume criteria — by Available Seat Kilometres (ASKs), flights and seats—the airline must also serve at least three regions.

For **Major Airlines by Region**, the threshold for ASKs, flights and seats, varies by region to accurately reflect the size of operations in that region.

The thresholds are:

Region	Flights, Seats, ASK, Threshold
ASIA PACIFIC	Top 30%
EUROPE	Top 30%
LATIN AMERICA	Top 30%
MIDDLE EAST & AFRICA	Top 30%
NORTH AMERICA	Top 15%

The **low-cost carrier (LCC) category** reviews airlines that are industry recognised and/or self-identified low-cost carriers. For this category, we consider the Top 60% of LCC airlines. LCC airlines must fall in the Top 60% for flights, seats and destinations to be considered.

Actual Gate Arrival (AGA) Coverage is calculated based on direct operational measures only. These are reported directly by our data sources or observed using ADS-B Positional Data.

Usage and attribution

We ask you to cite Cirium if you extract and use the data and information in this report in your own content and marketing. Where possible please also link to www.cirium.com.

The data presented in this report derives from The Cirium Core, which holds information from over 2,000 sources. **Cirium verifies and quality checks all the data as we process it. Cirium is solely responsible for all insights and analyses provided in this report.**

As a neutral partner in the industry, we rank airlines and airports from an independent position. It is our mission to accelerate the industry's digital transformation.

Examples of how to cite us:

For questions about **citing Cirium's on-time performance analysis**, please contact us at media@cirium.com

“According to data provided by Cirium, an aviation analytics company, 84.09% of Thai AirAsia's flights **arrived on time for the month of December.**”

“Cirium, a company that provides data for the aviation industry, revealed that **81.93% of AirAsia' flights** across the country arrived on time in December.”

“Cirium's study of Philippine Airlines' on-time performance in December shows that **83.08% of its flights arrived on time.**”

“Based on Cirium's most recent data, Vietnam Airlines **covered a total of 12,442 flights in December**, resulting to an 79.94% on-time arrival rate.”

Glossary of terms

AIRLINE CODE	The IATA code for the airline. This is the code of the Marketing Airline.
AVAILABLE SEAT KILOMETERS (ASK)	The number of seats available multiplied by the number of kilometers between origin and destination.
BLOCK TIME	Referred to as BO. The percentage of flights that were completed within their scheduled time.
COMPLETION FACTOR	Completion factor which is the percentage of tracked flights that were completed (e.g., not canceled)
COVERAGE	The percentage of published flights for which we have an actual arrival gate time for airlines and an actual departure time for airports against which we can measure a flight's performance versus its schedule.
ON-TIME ARRIVAL	The percentage of completed flights that arrived at the gate on time. On time is defined as arriving within 15 minutes of the scheduled arrival time. The on-time arrival ranking is used to determine the top performing airlines.
ON-TIME DEPARTURE	The percentage of completed flights that departed at the gate on time. On time is defined as departing within 15 minutes of the scheduled departing time. The on-time departure ranking is used to determine the top performing airports.
ON-TIME RANKING	For each list of airlines and airports, on-time performance is ranked where a rank of 1 equates to the best performance.
SEATS (MILLIONS)	The estimated seat capacity of all scheduled flights.
TOTAL FLIGHTS	The total number of scheduled single segment flights (consisting of one origin and one destination).
TRACKED FLIGHTS	The percentage of published flights for which Cirium tracked an actual gate arrival time, cancellation or diversion.

Cirium history

Cirium brings together powerful data and analytics to keep the world moving. Cirium delivers insight built from decades of experience in the sector. We empower travel companies, aircraft manufacturers, airports, airlines, and financial institutions, among others, to make logical and informed decisions to shape the future of travel, grow revenues, and enhance customer experiences. Cirium is part of RELX PLC, a global provider of information-based analytics and decision tools for professional and business customers.

1909

Launched the world's first weekly aerospace magazine.

1985

Launched airline specific insights to airline C-suite with the title **Airline Business**.

1997

Created online news and data service for aerospace and airports (formerly known as **ATI**).

2004

Expanded in aerospace with the most comprehensive technical fleet database (known previously as **ACAS**).

2011

Grew portfolio with the addition of aircraft finance services with historical fleet and valuations data with acquisition of **Ascend**.

2014

Added historical airline schedules data to business with acquiring **Innovata**.

2016

The pioneer in global, real-time flight status data, **FlightStats** brought into the group.

Expanded the group's offering with **Diio**'s fares, traffic and schedules analysis tools.

2019

New aviation analytics brand **Cirium** launched showcasing the industry's largest data store and an advanced solutions portfolio.

2020

Added live flight and navigational data to the Cirium portfolio, bringing in initiatives for System Wide Information Management (SWIM), with **Snowflake Software**.

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