CIRIUM
aviation analytics

SOUTH-EASTERN ASIA

THE ON-TIME PERFORMANCE MONTHLY REPORT

AIRLINES

OCTOBER 2023

Southeast Asia

Burma

Laos

Vietnam

Philippines

Thailand

Cambodia

Brunei

Malaysia

Singapore

Indonesia

East Timor

Better.
Together.

900+ airlines share their vital data with Cirium, enabling them to run their operations more efficiently and effectively.

Isn't it time to learn why?

CIRIUM®
alliance

Learn more at **Cirium.com/Partnerships**.

THE MOST ON-TIME AIRLINES

The most on-time
South-Eastern Asia Airlines

	On-Time Ranking	On-Time Arrival	Tracked Flights	Completion Factor	Total Flights	Summary of Top Performers
Philippines AirAsia (Z2)	1	85.20%	99.47%	99.77%	3,432	
Vietnam Airlines (VN)	2	83.14%	82.32%	99.67%	10,749	**Total On-Time Arrivals** **78.34%**
Philippine Airlines (PR)	3	82.74%	99.76%	97.32%	9,277	
AirAsia (AK)	4	81.79%	99.42%	99.86%	13,067	
Garuda Indonesia (GA)	5	80.58%	98.79%	99.69%	5,464	
Singapore Airlines (SQ)	6	77.99%	99.96%	99.97%	8,952	**Total Tracked Flights** **96.63%**
Thai AirAsia (FD)	7	77.58%	98.74%	100.00%	10,191	
Malaysia Airlines (MH)	8	72.28%	99.72%	99.17%	9,993	
Thai Airways International (TG)	9	71.08%	88.63%	99.92%	3,882	**Total Flights** **78,586**
Indonesia AirAsia (QZ)	10	71.03%	99.49%	99.47%	3,579	

Relative Performance
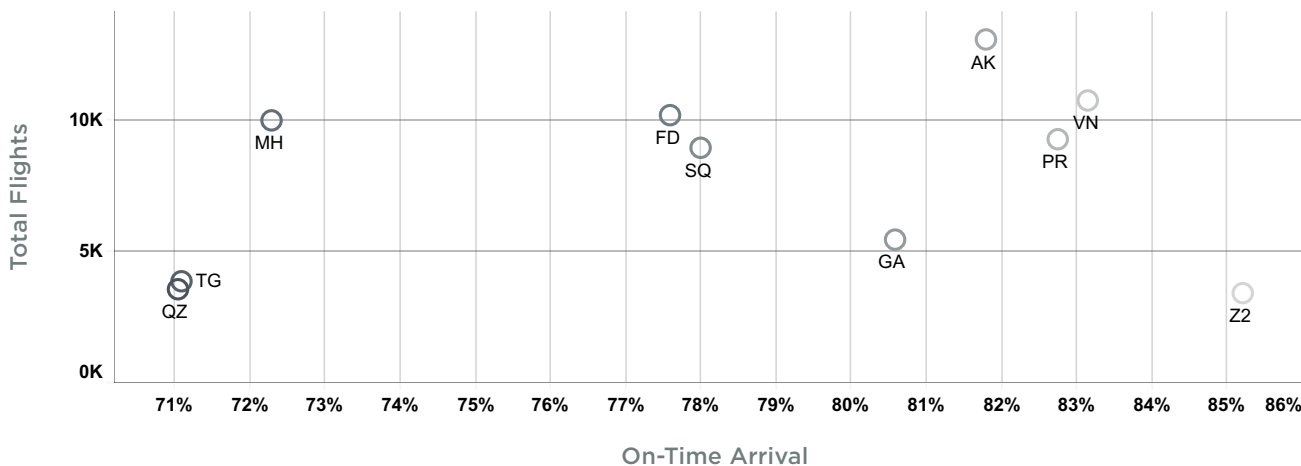
Operational Highlights

	Completion Factor	Within Block Time	On-Time Arrivals	On-Time Departures
Philippines AirAsia (Z2)	99.77%	79.29%	85.20%	84.66%
Vietnam Airlines (VN)	99.67%	79.84%	83.14%	82.69%
Philippine Airlines (PR)	97.32%	81.55%	82.74%	80.12%
AirAsia (AK)	99.86%	71.48%	81.79%	82.40%
Garuda Indonesia (GA)	99.69%	53.87%	80.58%	88.36%

Trend Report

Airline		Oct 23	Sep 23	Aug 23
ASIA PACIFIC REGION RANKING				
1	Philippines AirAsia	85.20%	75.05%	74.50%
2	Vietnam Airlines	83.14%	81.13%	74.45%
3	Philippine Airlines	82.74%	83.38%	75.36%
4	AirAsia	81.79%	76.72%	66.11%
5	Garuda Indonesia	80.58%	80.36%	82.60%

CIRIUM·diio

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.

Plan with confidence

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

Analyze demand

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.

CIRIUM
aviation analytics

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 Global and Major airlines, a ranking is given for both Mainline (operated by a major airline) and Network operations (operated by a major airline and includes flights marketed by the airline but operated by an airline partner).

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.

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

Examples of how to cite us:

" According to data provided by Cirium, an aviation analytics company, 87.20% of Philippines AirAsia's flights **arrived on time for the month of October.**"

" Cirium, a company that provides data for the aviation industry, revealed that **83.14% of Vietnam Airlines' flights** across the country arrived on time in October."

" "Cirium's study of Singapore Airlines' on-time performance in September shows that **77.99% of its flights arrived on time.**"

" Based on Cirium's most recent data, AirAsia **covered a total of 13,067 flights in October,** resulting to an 81.79% 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 B0. 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 airlines.

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**.

Cirium global offices

HEADQUARTERS

LONDON
99 Bishopsgate
3rd floor
London EC2M 3AL
United Kingdom
Tel: +44 207 911 1400

EUROPE AND THE MIDDLE EAST

SUTTON
Quadrant House
The Quadrant
Sutton, SM2 5AS
United Kingdom
Tel: +44 20 8652 3315

DUBAI
Al Sufouh Complex,
Office 304, Arjaan Office
Tower Dubai Media City,
Dubai, UAE
Tel: +971 (0)4 560 1200

SOUTHAMPTON
23-27 Carlton Cres
Southampton, S015 2EU
United Kingdom

HEATHROW
World Business Ctr 2
1st Floor Newall Road
Heathrow Airport
London, TW6 2SF
Tel: +44 20 8564 6700

AMERICAS

NEW YORK
230 Park Avenue
7th Floor
New York, NY 10169
USA
Tel: +1 646 746 6851

ALPHARETTA
1100 Alderman Drive
Alpharetta, GA 30005
USA
Tel: +1 770 614 4900

ASIA PACIFIC

SINGAPORE
Winsland House 1
3 Killiney Road
Floor 8
Singapore 239519
Tel: +65 6240 4720

BEIJING
Unit 701, 7th Floor
Oriental Plaza Tower W1
No.1 East Chang An Ave
Dong Cheng District
Beijing 100005, China

TOKYO
3rd Floor Higashi-Azabu
1 Chome Bldg 1-9-15
Higashi-Azabu,
Minato-Ku
Tokyo 106-0044 Japan
Tel: +81 3 5561 5630
Cirium.com/Jp/

GURGAON
14th Floor, Tower B,
Building No. 10
DLF Cyber City, Phase-II
Gurugram- 122002
Haryana, India

HONG KONG
11/F Oxford House Taikoo
Place, 979 King's Road,
Quarry Bay, Hong Kong
Tel: +852 2965 1520

SHANGHAI
4th Floor, Block C,
No. 999 Jinzhong Road
Shanghai, China 200335

AUSTRALIA
Level 1, Tower 2
475 Victoria Avenue
Chatswood Nsw 2067
Australia
Tel: +61 2 9422 2194

MANILA
Building H, 2nd Floor
UP-Ayalaland TechnoHub
Commonwealth Ave.
Diliman, Quezon City,
Philippines 1101

CIRIUM
aviation analytics

cirium.com