



CIRIUM

CIRIUM **ON-TIME** PERFORMANCE MONTHLY REPORT

AIRLINES &
AIRPORTS

September 2025

cirium.com

MARKING
TIME for over

16 YEARS



CIRIUM
ON-TIME
PERFORMANCE



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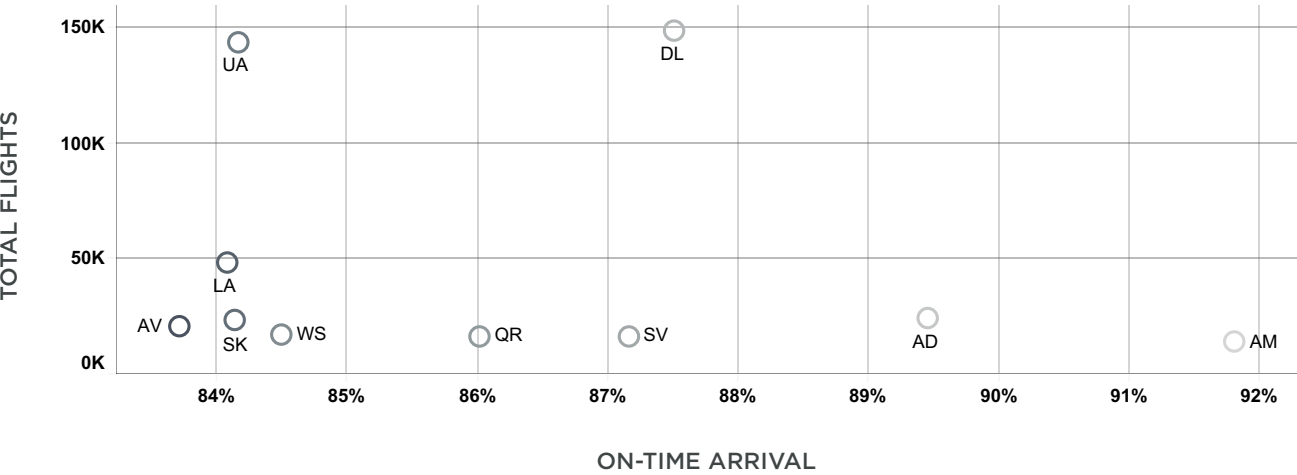
The MOST **ON-TIME** AIRLINES



THE MOST ON-TIME GLOBAL AIRLINES

	On-Time Ranking	On-Time Arrival	Tracked Flights	Completion Factor	Total Flights	Summary of Top Performers
Aeromexico (AM)	1	91.80%	99.98%	99.95%	14,366	86.25% Total On-Time Arrivals
Azul (AD)	2	89.45%	99.63%	98.93%	24,504	
Delta Air Lines (DL)	3	87.50%	99.99%	99.66%	148,827	
Saudia (SV)	4	87.16%	99.48%	99.55%	16,543	99.85% Total Tracked Flights
Qatar Airways (QR)	5	86.01%	99.94%	99.80%	16,537	
WestJet (WS)	6	84.49%	99.97%	99.39%	17,355	
United Airlines (UA)	7	84.16%	99.96%	99.62%	143,773	475,081 Total Flights
SAS (SK)	8	84.13%	99.82%	98.70%	23,669	
LATAM Airlines (LA)	9	84.08%	99.94%	98.58%	48,529	
Avianca (AV)	10	83.71%	99.81%	98.53%	20,978	

RELATIVE PERFORMANCE



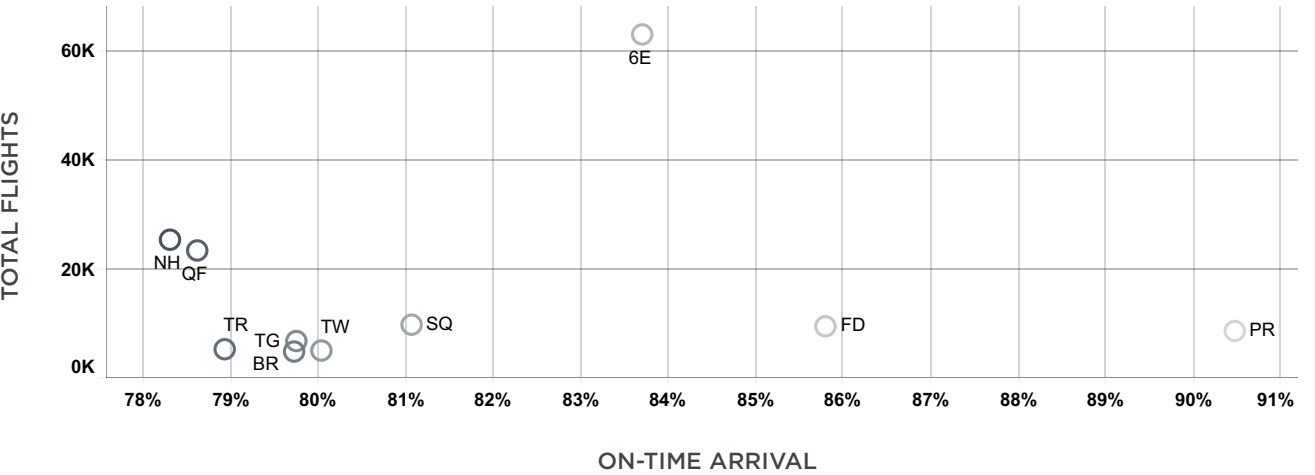
OPERATIONAL HIGHLIGHTS

	Completion Factor	Within Block Time	On-Time Arrivals	On-Time Departures
Aeromexico (AM)	99.95%	77.55%	91.80%	93.85%
Azul (AD)	98.93%	75.14%	89.45%	88.73%
Delta Air Lines (DL)	99.66%	78.22%	87.50%	87.93%
Saudia (SV)	99.55%	80.62%	87.16%	86.01%
Qatar Airways (QR)	99.80%	75.18%	86.01%	86.65%

THE MOST ON-TIME ASIA PACIFIC AIRLINES

	On-Time Ranking	On-Time Arrival	Tracked Flights	Completion Factor	Total Flights	Summary of Top Performers
Philippine Airlines (PR)	1	90.47%	99.89%	98.30%	8,727	81.63% Total On-Time Arrivals
Thai AirAsia (FD)	2	85.79%	99.83%	99.86%	9,585	
IndiGo (6E)	3	83.69%	99.33%	99.94%	63,241	
Singapore Airlines (SQ)	4	81.06%	99.85%	99.74%	9,886	98.04% Total Tracked Flights
T'way Air (TW)	5	80.03%	91.84%	99.79%	5,135	
Thai Airways International (TG)	6	79.74%	98.48%	99.67%	6,880	
EVA Air (BR)	7	79.71%	98.59%	98.71%	4,952	162,817 Total Flights
Scoot (TR)	8	78.92%	93.21%	99.78%	5,376	
Qantas (QF)	9	78.61%	99.39%	98.19%	23,530	
ANA (NH)	10	78.29%	99.99%	98.68%	25,505	

RELATIVE PERFORMANCE



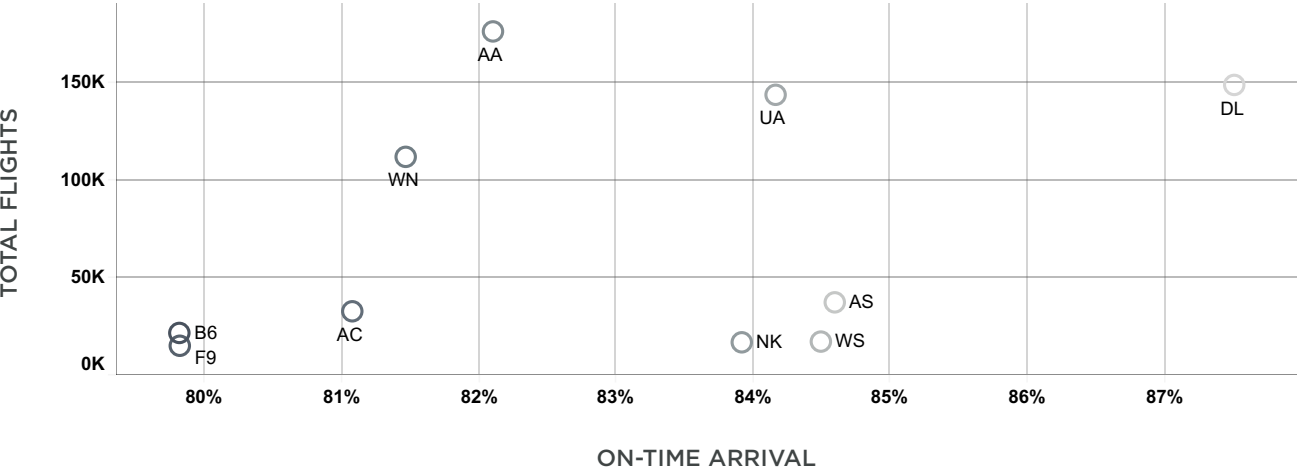
OPERATIONAL HIGHLIGHTS

	Completion Factor	Within Block Time	On-Time Arrivals	On-Time Departures
Philippine Airlines (PR)	98.30%	86.70%	90.47%	87.81%
Thai AirAsia (FD)	99.86%	68.28%	85.79%	87.46%
IndiGo (6E)	99.94%	64.62%	83.69%	85.59%
Singapore Airlines (SQ)	99.74%	70.99%	81.06%	80.70%
T'way Air (TW)	99.79%	73.56%	80.03%	76.11%

THE MOST ON-TIME NORTH AMERICA AIRLINES

	On-Time Ranking	On-Time Arrival	Tracked Flights	Completion Factor	Total Flights	Summary of Top Performers
Delta Air Lines (DL)	1	87.50%	99.99%	99.66%	148,827	82.89% Total On-Time Arrivals
Alaska Airlines (AS)	2	84.59%	99.99%	99.40%	37,458	
WestJet (WS)	3	84.49%	99.97%	99.39%	17,355	
United Airlines (UA)	4	84.16%	99.96%	99.62%	143,773	99.81% Total Tracked Flights
Spirit Airlines (NK)	5	83.91%	98.76%	99.65%	16,985	
American Airlines (AA)	6	82.10%	99.99%	99.08%	176,237	
Southwest Airlines (WN)	7	81.46%	99.92%	99.83%	111,987	722,504 Total Flights
Air Canada (AC)	8	81.07%	99.87%	98.53%	32,875	
Frontier Airlines (F9)	9	79.82%	99.67%	99.83%	15,221	
JetBlue (B6)	10	79.81%	99.96%	99.45%	21,786	

RELATIVE PERFORMANCE



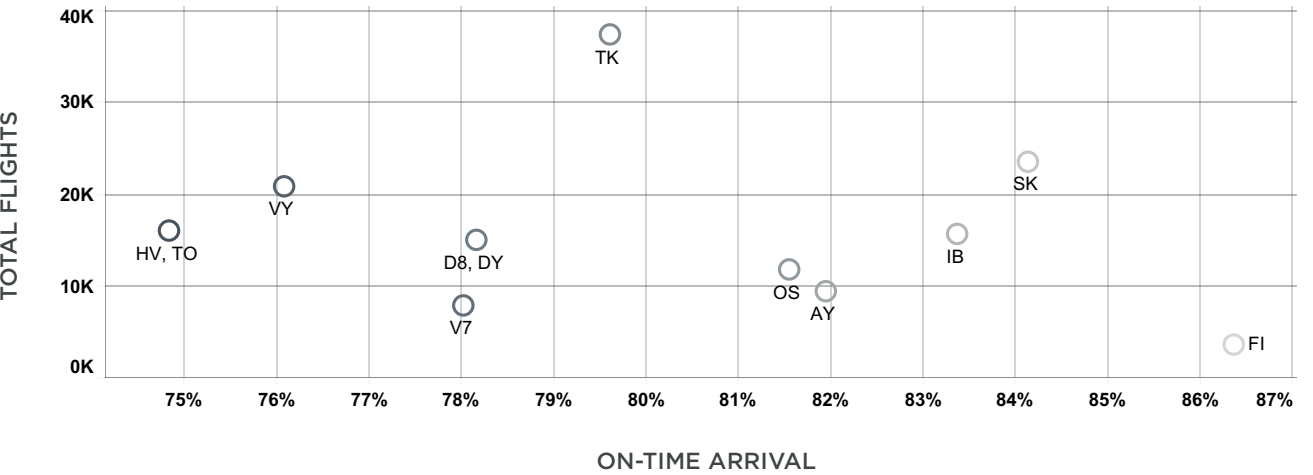
OPERATIONAL HIGHLIGHTS

	Completion Factor	Within Block Time	On-Time Arrivals	On-Time Departures
Delta Air Lines (DL)	99.66%	78.22%	87.50%	87.93%
Alaska Airlines (AS)	99.40%	71.29%	84.59%	85.94%
WestJet (WS)	99.39%	72.85%	84.49%	83.48%
United Airlines (UA)	99.62%	72.89%	84.16%	86.39%
Spirit Airlines (NK)	99.65%	83.80%	83.91%	82.10%

THE MOST ON-TIME EUROPE AIRLINES

	On-Time Ranking	On-Time Arrival	Tracked Flights	Completion Factor	Total Flights	Summary of Top Performers
Icelandair (FI)	1	86.36%	99.48%	99.51%	3,705	80.40% Total On-Time Arrivals
SAS (SK)	2	84.13%	99.82%	98.70%	23,669	
Iberia (IB)	3	83.37%	99.73%	98.86%	15,790	
Finnair (AY)	4	81.94%	98.87%	99.13%	9,531	99.03% Total Tracked Flights
Austrian (OS)	5	81.55%	99.97%	99.33%	11,912	
Turkish Airlines (TK)	6	79.60%	99.94%	99.45%	37,578	
Norwegian (D8, DY)	7	78.16%	99.72%	99.09%	15,141	162,445 Total Flights
Volotea (V7)	8	78.02%	98.55%	99.80%	7,978	
Vueling (VY)	9	76.08%	99.90%	98.82%	20,988	
Transavia (HV, TO)	10	74.83%	94.26%	99.60%	16,153	

RELATIVE PERFORMANCE



OPERATIONAL HIGHLIGHTS

	Completion Factor	Within Block Time	On-Time Arrivals	On-Time Departures
Icelandair (FI)	99.51%	79.53%	86.36%	81.50%
SAS (SK)	98.70%	58.70%	84.13%	86.30%
Iberia (IB)	98.86%	74.06%	83.37%	82.03%
Finnair (AY)	99.13%	67.37%	81.94%	81.04%
Austrian (OS)	99.33%	77.86%	81.55%	76.81%

THE MOST ON-TIME LATIN AMERICA AIRLINES

	On-Time Ranking	On-Time Arrival	Tracked Flights	Completion Factor	Total Flights	Summary of Top Performers
Aeromexico (AM)	1	91.80%	99.98%	99.95%	14,366	85.96% Total On-Time Arrivals
Copa Airlines (CM)	2	90.65%	100.00%	99.77%	11,067	
Gol (G3)	3	90.35%	99.97%	99.11%	19,720	
Azul (AD)	4	89.45%	99.63%	98.93%	24,504	98.46% Total Tracked Flights
Volaris (Y4)	5	86.42%	92.18%	99.97%	13,983	
LATAM Airlines (LA)	6	84.08%	99.94%	98.58%	48,529	
Avianca (AV)	7	83.71%	99.81%	98.53%	20,978	179,829 Total Flights
Aerolineas Argentinas (AR)	8	81.30%	99.49%	99.68%	8,799	
VivaAerobus (VB)	9	81.10%	93.78%	99.72%	13,727	
Sky Airline (H2)	10	80.76%	99.80%	98.58%	4,156	

RELATIVE PERFORMANCE



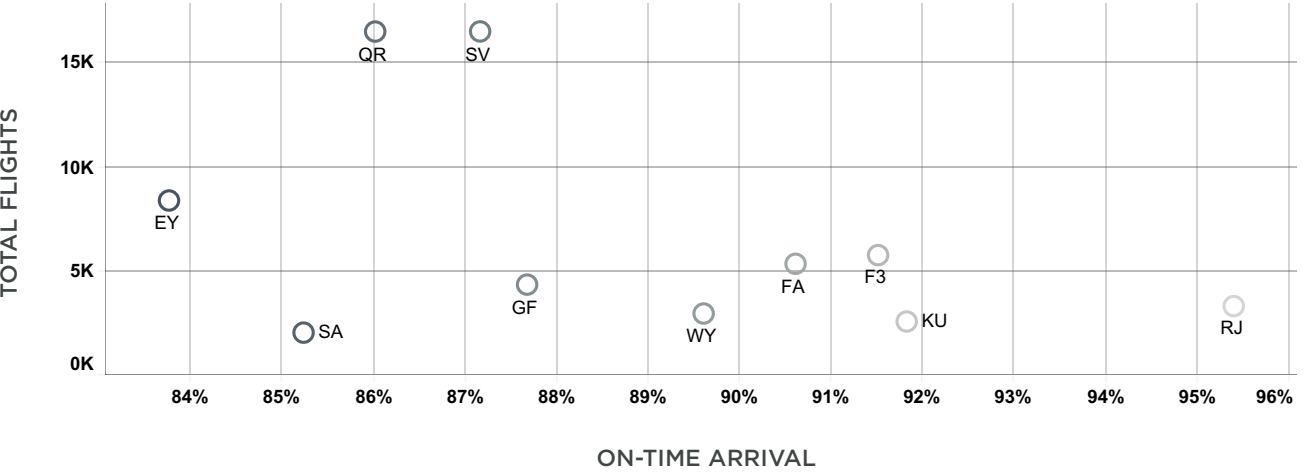
OPERATIONAL HIGHLIGHTS

	Completion Factor	Within Block Time	On-Time Arrivals	On-Time Departures
Aeromexico (AM)	99.95%	77.55%	91.80%	93.85%
Copa Airlines (CM)	99.77%	68.53%	90.65%	93.55%
Gol (G3)	99.11%	76.16%	90.35%	89.18%
Azul (AD)	98.93%	75.14%	89.45%	88.73%
Volaris (Y4)	99.97%	63.54%	86.42%	87.55%

THE MOST ON-TIME MIDDLE EAST & AFRICA AIRLINES

	On-Time Ranking	On-Time Arrival	Tracked Flights	Completion Factor	Total Flights	Summary of Top Performers
Royal Jordanian (RJ)	1	95.39%	99.73%	100.00%	3,336	88.88% Total On-Time Arrivals
Kuwait Airways (KU)	2	91.82%	98.53%	99.92%	2,595	
Flyadeal (F3)	3	91.51%	99.29%	100.00%	5,787	
Safair (FA)	4	90.61%	99.89%	99.96%	5,369	98.84% Total Tracked Flights
Oman Air (WY)	5	89.60%	99.29%	99.80%	2,979	
Gulf Air (GF)	6	87.67%	94.25%	99.59%	4,369	
Saudia (SV)	7	87.16%	99.48%	99.55%	16,543	67,988 Total Flights
Qatar Airways (QR)	8	86.01%	99.94%	99.80%	16,537	
South African Airways (SA)	9	85.23%	98.08%	98.84%	2,060	
Etihad Airways (EY)	10	83.76%	99.92%	99.75%	8,413	

RELATIVE PERFORMANCE



OPERATIONAL HIGHLIGHTS

	Completion Factor	Within Block Time	On-Time Arrivals	On-Time Departures
Royal Jordanian (RJ)	100.00%	90.49%	95.39%	91.16%
Kuwait Airways (KU)	99.92%	74.72%	91.82%	90.33%
Flyadeal (F3)	100.00%	61.86%	91.51%	93.62%
Safair (FA)	99.96%	76.30%	90.61%	90.98%
Oman Air (WY)	99.80%	77.00%	89.60%	89.17%

TREND REPORT - AIRLINES

	Airline	Sep 25	Aug 25	Jul 25
GLOBAL AIRLINE RANKING				
1	Aeromexico (AM)	91.80%	87.63%	89.81%
2	Azul (AD)	89.45%	92.15%	87.85%
3	Delta Air Lines (DL)	87.50%	83.93%	76.97%
4	Saudia (SV)	87.16%	79.98%	87.57%
5	Qatar Airways (QR)	86.01%	83.91%	85.79%
ASIA PACIFIC REGION RANKING				
1	Philippine Airlines (PR)	90.47%	89.37%	83.80%
2	Thai AirAsia (FD)	85.79%	82.15%	84.95%
3	IndiGo (6E)	83.69%	86.11%	87.28%
4	Singapore Airlines (SQ)	81.06%	79.67%	77.93%
5	T'way Air (TW)	80.03%	79.31%	77.31%
NORTH AMERICA REGION RANKING				
1	Delta Air Lines (DL)	87.50%	83.93%	76.97%
2	Alaska Airlines (AS)	84.59%	77.35%	75.23%
3	WestJet (WS)	84.49%	70.39%	71.90%
4	United Airlines (UA)	84.16%	77.31%	71.65%
5	Spirit Airlines (NK)	83.91%	78.51%	76.69%
EUROPE REGION RANKING				
1	Icelandair (FI)	86.36%	80.16%	81.46%
2	SAS (SK)	84.13%	87.20%	81.07%
3	Iberia (IB)	83.37%	79.11%	75.01%
4	Finnair (AY)	81.94%	78.59%	75.04%
5	Austrian (OS)	81.55%	81.12%	72.76%
LATIN AMERICA REGION RANKING				
1	Aeromexico (AM)	91.80%	87.63%	89.81%
2	Copa Airlines (CM)	90.65%	90.71%	90.11%
3	Gol (G3)	90.35%	90.10%	88.93%
4	Azul (AD)	89.45%	92.15%	87.85%
5	Volaris (Y4)	86.42%	83.48%	81.29%
MIDDLE EAST & AFRICA REGION RANKING				
1	Royal Jordanian (RJ)	95.39%	92.58%	94.50%
2	Kuwait Airways (KU)	91.82%	82.92%	79.18%
3	Flyadeal (F3)	91.51%	82.75%	87.73%
4	Safair (FA)	90.61%	91.29%	90.38%
5	Oman Air (WY)	89.60%	79.67%	76.57%

From imagination to **reality**

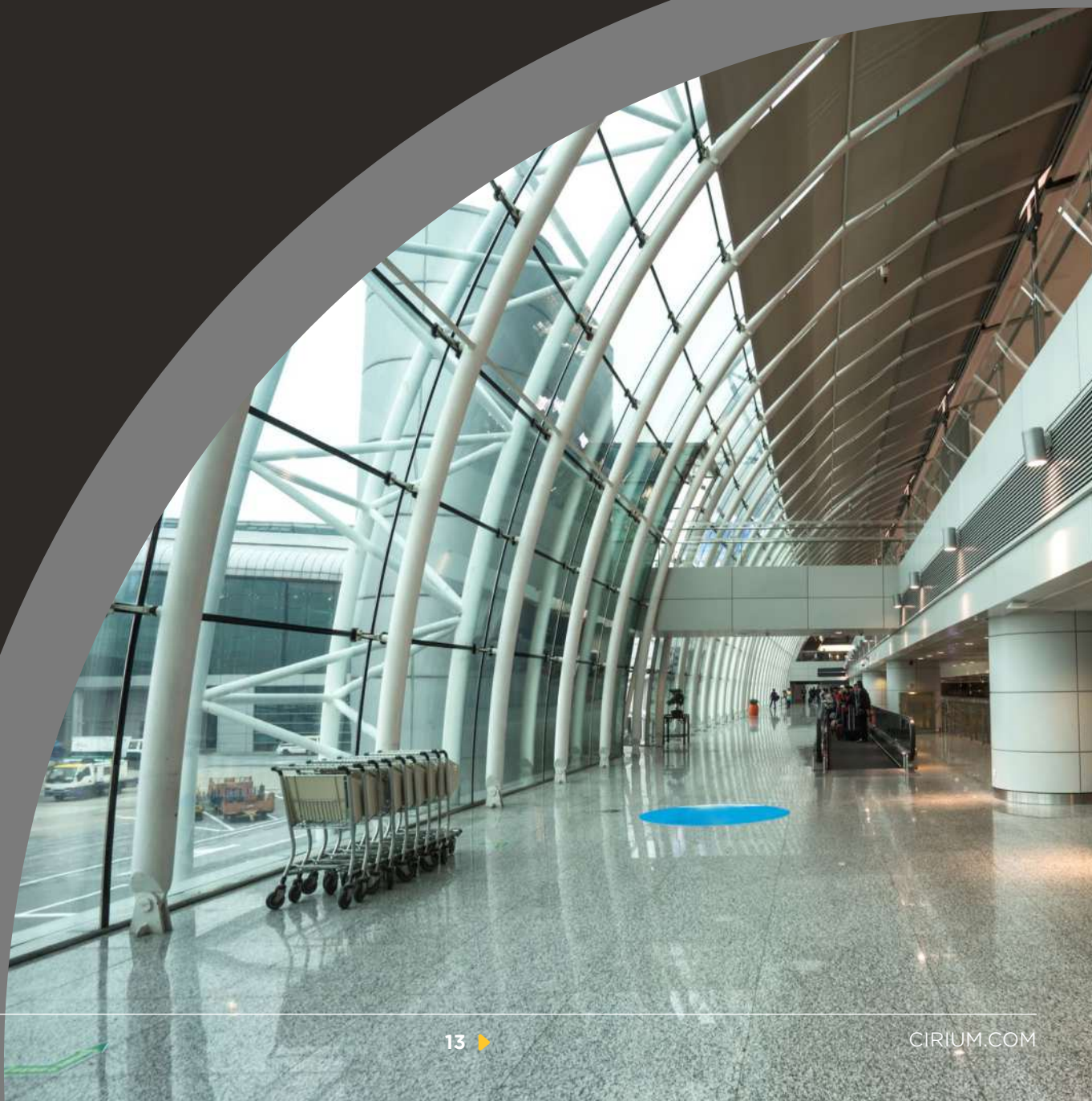
Enhance situational
awareness:
with unparalleled
operational clarity.
When complex data
turns into clear,
actionable insights.

Cirium OTP AI

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The MOST **ON-TIME** AIRPORTS



THE MOST ON-TIME LARGE AIRPORTS

	On-Time Ranking	On-Time Departure	Tracked Flights	Total Flights	Avg Dep Delay	Routes Served	Summary of Top Performers
Honolulu International Airport (HNL)	1	90.32%	87.26%	12,135	62	52	83.90% Total On-Time Departures
Mexico City Benito Juarez International Airport (MEX)	2	89.74%	99.19%	23,339	62	104	
Harbin Taiping International Airport (HRB)	3	89.69%	82.41%	13,041	65	85	
Salt Lake City International Airport (SLC)	4	89.14%	99.94%	19,705	62	104	
Santiago Arturo Merino Benitez International Airport (SCL)	5	88.47%	99.74%	12,567	48	57	95.46% Total Tracked Flights
Detroit Metropolitan Wayne County Airport (DTW)	6	88.35%	99.95%	25,945	66	125	
Bengaluru Kempegowda International Airport (BLR)	7	88.25%	95.87%	21,677	42	106	
Shenyang Taoxian International Airport (SHE)	8	88.23%	86.48%	13,795	89	83	
Riyadh King Khalid International Airport (RUH)	9	87.87%	94.51%	22,581	53	109	426,430 Total Flights
Doha Hamad International Airport (DOH)	10	87.80%	99.34%	21,149	49	183	
Hyderabad Rajiv Gandhi International Airport (HYD)	11	87.66%	98.39%	16,480	45	96	
Kunming Changshui International Airport (KMG)	12	87.49%	81.67%	26,755	69	146	
Houston George Bush Intercontinental Airport (IAH)	13	87.23%	99.92%	34,261	61	168	71.98M Total Seats
Lima Jorge Chavez International Airport (LIM)	14	87.22%	93.67%	15,005	55	65	
Tampa International Airport (TPA)	15	87.14%	99.98%	12,366	71	90	
Chennai International Airport (MAA)	16	87.03%	99.24%	12,154	42	65	
Atlanta Hartsfield-Jackson International Airport (ATL)	17	86.87%	99.90%	62,936	53	225	2,233 Total Routes
Vancouver International Airport (YVR)	18	86.83%	95.71%	20,682	46	111	
Washington Dulles International Airport (IAD)	19	86.73%	98.01%	20,876	66	145	
Oslo Gardermoen Airport (OSL)	20	86.02%	98.04%	18,981	37	114	

OPERATIONAL HIGHLIGHTS

	On-Time Departure	On-Time Arrival	Total Routes Served	Total Airlines Served
Honolulu International Airport (HNL)	90.32%	87.69%	52	20
Mexico City Benito Juarez International Airport (MEX)	89.74%	87.56%	104	23
Harbin Taiping International Airport (HRB)	89.69%	83.83%	85	39
Salt Lake City International Airport (SLC)	89.14%	89.10%	104	15
Santiago Arturo Merino Benitez International Airport (SCL)	88.47%	85.47%	57	17

THE MOST ON-TIME MEDIUM AIRPORTS

	On-Time Ranking	On-Time Departure	Tracked Flights	Total Flights	Avg Dep Delay	Routes Served	Summary of Top Performers
Panama City Tocumen International Airport (PTY)	1	93.45%	99.44%	12,149	53	88	83.82% Total On-Time Departures
Brasilia International Airport (BSB)	2	89.55%	100.00%	9,863	38	44	
Kuwait International Airport (KWI)	3	89.35%	88.82%	9,962	55	92	
Rio de Janeiro Galeao International Airport (GIG)	4	88.85%	99.54%	9,652	48	47	
Muscat International Airport (MCT)	5	88.78%	91.23%	6,975	62	65	96.19% Total Tracked Flights
Dammam King Fahd International Airport (DMM)	6	88.62%	92.97%	7,850	64	58	
Belo Horizonte International Airport (CNF)	7	88.50%	99.94%	9,500	42	60	
Changchun Longjia International Airport (CGQ)	8	88.43%	91.19%	9,844	82	61	
Portland International Airport (PDX)	9	88.24%	97.57%	14,104	54	70	199,905 Total Flights
Sharjah International Airport (SHJ)	10	87.88%	94.27%	9,122	55	90	
Viracopos-Campinas International Airport (VCP)	11	87.41%	99.96%	9,388	41	65	
Louis Armstrong New Orleans International Airport (MSY)	12	87.00%	99.95%	7,630	71	49	
Johannesburg O.R. Tambo International Airport (JNB)	13	86.56%	86.90%	16,029	41	74	32.07M Total Seats
Calgary International Airport (YYC)	14	86.44%	99.75%	13,796	42	90	
Raleigh-Durham International Airport (RDU)	15	86.32%	99.86%	11,754	78	76	
Osaka Itami International Airport (ITM)	16	85.48%	99.82%	11,110	32	26	
Houston Hobby Airport (HOU)	17	85.26%	99.96%	9,384	44	71	1,259 Total Routes
San Jose Mineta International Airport (SJC)	18	85.11%	99.93%	8,050	51	37	
Ahmedabad Airport (AMD)	19	85.06%	84.70%	6,968	43	53	
Phuket International Airport (HKT)	20	84.62%	97.95%	6,775	53	43	

OPERATIONAL HIGHLIGHTS

	On-Time Departure	On-Time Arrival	Total Routes Served	Total Airlines Served
Panama City Tocumen International Airport (PTY)	93.45%	90.38%	88	17
Brasilia International Airport (BSB)	89.55%	88.98%	44	5
Kuwait International Airport (KWI)	89.35%	88.67%	92	41
Rio de Janeiro Galeao International Airport (GIG)	88.85%	88.41%	47	20
Muscat International Airport (MCT)	88.78%	86.94%	65	28

THE MOST ON-TIME SMALL AIRPORTS

	On-Time Ranking	On-Time Departure	Tracked Flights	Total Flights	Avg Dep Delay	Routes Served	Summary of Top Performers
Kaohsiung International Airport (KHH)	1	95.06%	94.08%	4,765	59	35	85.74% Total On-Time Departures
El Salvador International Airport (SAL)	2	94.15%	99.17%	3,387	66	29	
Taipei Songshan Airport (TSA)	3	93.45%	96.73%	4,113	42	15	
Ellison Onizuka Kona Intl Airport at Keahole (KOA)	4	93.08%	97.39%	2,535	69	14	
Abha International Airport (AHB)	5	91.83%	84.96%	2,772	51	12	95.35% Total Tracked Flights
Guatemala City La Aurora Interantional Airport (GUA)	6	91.75%	82.30%	3,021	81	25	
Trondheim Airport (TRD)	7	91.42%	92.68%	4,491	39	26	
Salvador International Airport (SSA)	8	90.92%	98.22%	4,418	53	33	
Cape Town International Airport (CPT)	9	90.60%	91.61%	6,588	49	36	81,054 Total Flights
Florianopolis Hercilio Luz International Airport (FLN)	10	90.12%	99.36%	2,811	57	13	
Sarasota Bradenton International Airport (SRQ)	11	90.10%	100.00%	1,800	66	36	
Belem Val de Cans International Airport (BEL)	12	90.07%	99.51%	2,461	49	25	
Guayaquil Jose Joaquin de Olmedo Intl Airport (GYE)	13	89.75%	99.49%	2,350	76	18	13.03M Total Seats
Rio de Janeiro Santos Dumont Airport (SDU)	14	89.74%	99.91%	4,874	47	5	
Porto Alegre Salgado Filho International Airport (POA)	15	89.63%	100.00%	5,070	56	19	
Stavanger Airport (SVG)	16	89.60%	95.75%	3,648	38	21	
Durban King Shaka International Airport (DUR)	17	89.36%	84.49%	3,668	46	12	523 Total Routes
Amman Queen Alia International Airport (AMM)	18	89.29%	97.12%	6,696	48	72	
Edmonton International Airport (YEG)	19	89.26%	97.41%	5,748	54	39	
Tijuana International Airport (TIJ)	20	89.13%	96.84%	5,838	66	38	

OPERATIONAL HIGHLIGHTS

	On-Time Departure	On-Time Arrival	Total Routes Served	Total Airlines Served
Kaohsiung International Airport (KHH)	95.06%	88.77%	35	25
El Salvador International Airport (SAL)	94.15%	91.09%	29	12
Taipei Songshan Airport (TSA)	93.45%	92.84%	15	13
Ellison Onizuka Kona Intl Airport at Keahole (KOA)	93.08%	90.87%	14	7
Abha International Airport (AHB)	91.83%	91.83%	12	11

TREND REPORT - AIRPORTS

	Airport	Sep 25	Aug 25	Jul 25
LARGE AIRPORT RANKING				
1	(HNL) Honolulu International Airport	90.32%	88.19%	84.57%
2	(MEX) Mexico City Benito Juarez International Airport	89.74%	84.25%	86.95%
3	(HRB) Harbin Taiping International Airport	89.69%	86.89%	85.52%
4	(SLC) Salt Lake City International Airport	89.14%	85.58%	81.41%
5	(SCL) Santiago Arturo Merino Benítez Intl Airport	88.47%	85.69%	85.45%
MEDIUM AIRPORT RANKING				
1	(PTY) Panama City Tocumen International Airport	93.45%	93.66%	91.62%
2	(BSB) Brasilia International Airport	89.55%	90.97%	90.85%
3	(KWI) Kuwait International Airport	89.35%	77.79%	78.11%
4	(GIG) Rio de Janeiro Galeao International Airport	88.85%	86.50%	85.66%
5	(MCT) Muscat International Airport	88.78%	77.18%	75.80%
SMALL AIRPORT RANKING				
1	(KHH) Kaohsiung International Airport	95.06%	88.48%	88.45%
2	(SAL) El Salvador International Airport	94.15%	87.41%	87.87%
3	(TSA) Taipei Songshan Airport	93.45%	87.89%	82.71%
4	(KOA) Ellison Onizuka Kona Intl Airport at Keahole	93.08%	90.74%	86.02%
5	(AHB) Abha International Airport	91.83%	81.98%	87.72%



**For the first time,
airlines can compare
flight emissions
performance using
a consistent,
verified
methodology.**

JEREMY BOWEN
CEO, Cirium

**FLIGHT EMISSIONS
REVIEW**

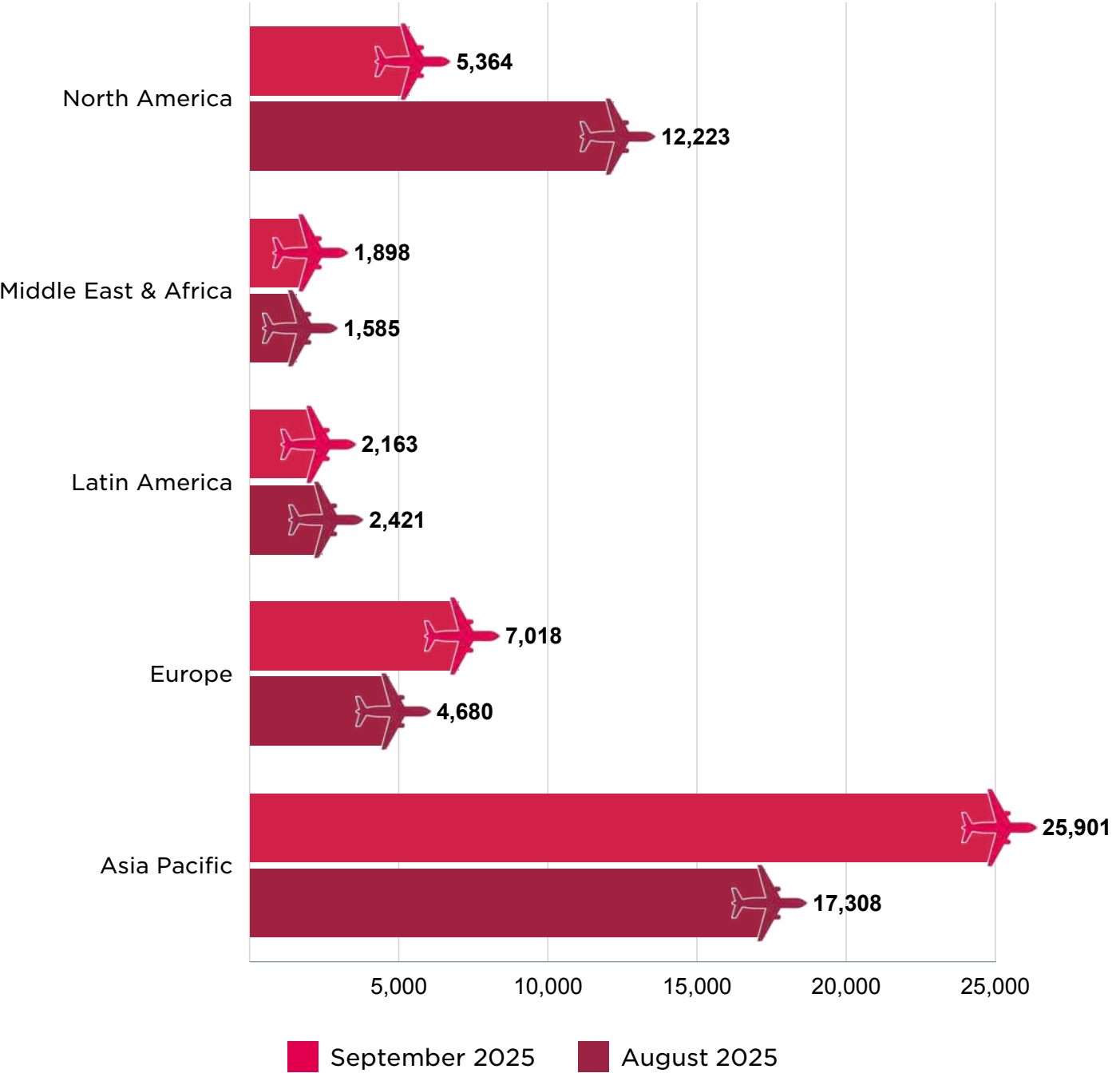
VIEW REPORT



Cancellation Report



TOTAL GLOBAL FLIGHT CANCELLATIONS



SEPTEMBER 2025

Transforming the Future of Travel

Data consolidation is here.

Accelerate your digital transformation journey with access to the most accurate, comprehensive aviation data and analytics - **schedules, flights, traffic, fleet and flight emissions** - all in one place.



cirium.com/transformation



CIRIUM
aviation analytics

Appendix



APPENDIX

WHY THE WORLD TRUSTS OUR RANKINGS

Cirium applies the **highest level of quality assurance to the data** that supports the On-Time Performance Review. We ensure the highest level of accuracy, timeliness, and coverage of the data, which is why the data and analyses are trusted by airlines and airports globally.

The experienced and dedicated Cirium data team collect, verify, and clean the data and then apply logic, algorithms and security to it.

This comprehensive structure is in place to achieve the 'quality balance' of the data that we use to rank airlines and airports.

Sophisticated tools and statistics validate the information and remove outliers and multisource verification fills in the gaps in single data sources. In cases of conflict, advanced algorithms identify the most reasonable data points, crosscheck the information, and determine consistency of information. Our expert team apply their in-depth knowledge in data and aviation to add extra validity to the data.

Cirium has a strict definition for what we consider as flight coverage for an airline or airport. For an airline to qualify for Cirium's On-Time Performance rankings, a carrier must meet the coverage standards, and we must have data fields which include estimated departures, actual departures, departure dates and arrival gates.

Cirium's approach to on-time performance data and the process involved means we immediately notice when changes or deviations occur.



APPENDIX

AIRLINE CALCULATIONS

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 a 90% actual gate arrival time data coverage requirement for all airline categories. These categories include Global and Major (by region).

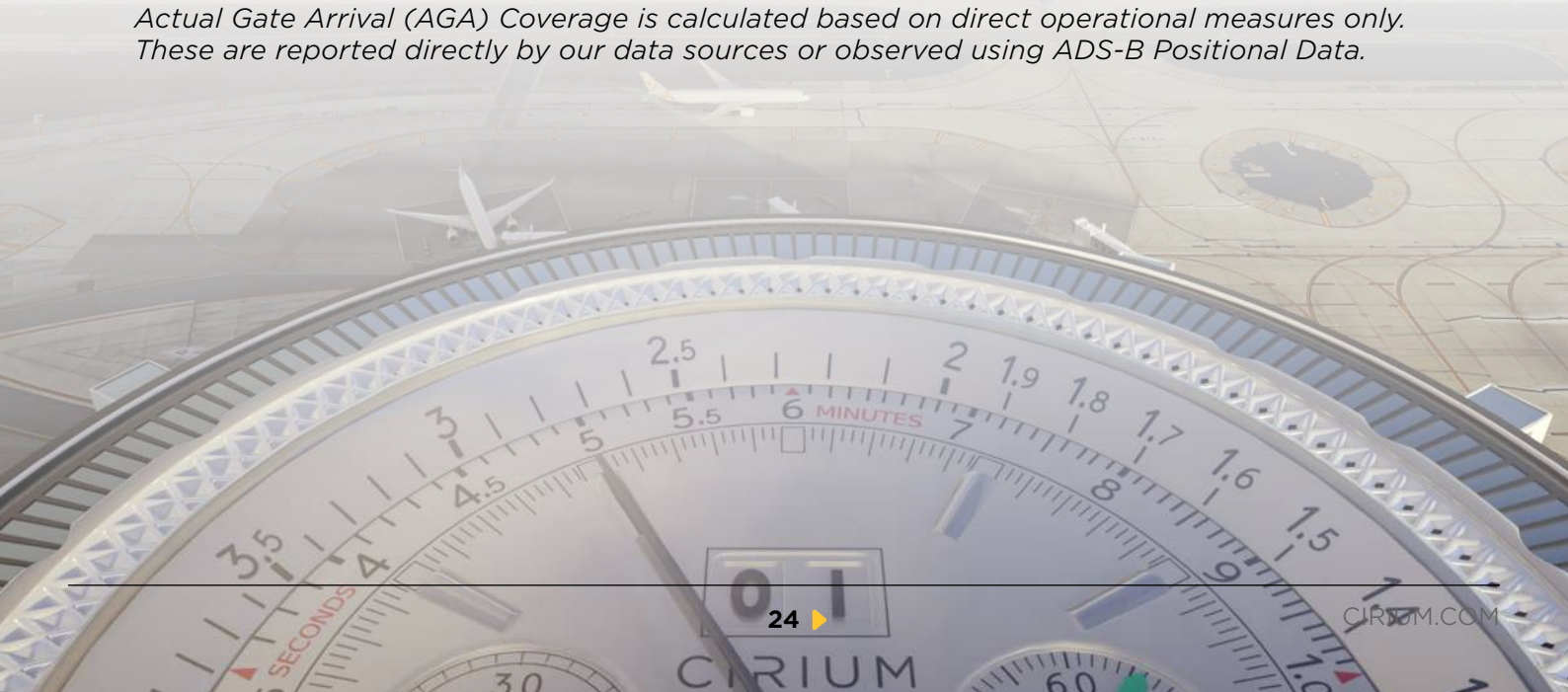
For the **Global Airlines category**, we consider the Top 10% of all passenger airlines by capacity and volume criteria — by Available Seat Kilometres (ASKs), flights and seats—the airline must also serve at least three regions.

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, ASKs, Threshold
ASIA PACIFIC	Top 25%
EUROPE	Top 30%
LATIN AMERICA	Top 30%
MIDDLE EAST & AFRICA	Top 20%
NORTH AMERICA	Top 15%

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.



APPENDIX

AIRPORT CALCULATIONS

Each month, Cirium reviews the total number of flights in a given month (approximately 3 million) for every airport globally in an ordered list, then looks at where the percentile demarcations fall. For the annual OTP review, **we take the total number of flights in a given year for every airport.**

Airports are selected based on a combination of factors, including:

LARGE AIRPORT

Seats
25-40m

Actual gate departure coverage
90% or better

Note: this category can include airports in the global airport category

MEDIUM AIRPORT

Seats
15-25m

Actual gate departure coverage
90% or better

SMALL AIRPORT

Seats
5-15m

Actual gate departure coverage
90% or better

Airport size categories are calculated during the last complete calendar year.

APPENDIX

USAGE & 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.

“According to data provided by Cirium, an aviation analytics company, 91.80% of Aeromexico’s flights arrived on time for the month of September.”

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

EXAMPLES OF HOW TO CITE US:

“Cirium, a company that provides data for the aviation industry, revealed that **90.47% of Philippine Airlines’ flights across the country **arrived on time in September.**”**

“Cirium’s study of Delta Air Lines’ on-time performance in September shows that **87.50% of its flights arrived on time.”**

“Based on Cirium’s most recent data, Icelandair covered a total of **3,705 flights in September, resulting to **86.36% on-time arrival rate.**”**

APPENDIX

GLOSSARY OF TERMS

A

AIRLINE CODE

The IATA code for the airline. This is the code of the Marketing Airline.

AVAILABLE SEAT KILOMETERS (ASKs)

The number of seats available multiplied by the number of kilometers between origin and destination.

B

BLOCK TIME

Referred to as B0. The percentage of flights that were completed within their scheduled time.

C

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.

O

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.

S

SEATS (MILLIONS)

The estimated seat capacity of all scheduled flights.

T

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 Ciriium tracked an actual gate arrival time, cancellation or diversion.

APPENDIX

CIRIUM HISTORY

Cirium brings together powerful data and analytics to keep the world moving. Delivering insight, built from decades of experience in the sector, enabling travel companies, aircraft manufacturers, airports, airlines and financial institutions, among others, to make logical and informed decisions which 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.

2023

Introduced new aviation analytics tools to accelerate digital transformation and support the industry's sustainability goals under five product brands

Extended partnership with Aireon to offer satellite-based aircraft positional analytics.

2024

Launched EmeraldSky with a unique and unparalleled methodology, data and analytics to provide the world's most accurate measure of aircraft and flight emissions.

Introduced the On-Time AI Assistant, designed to enhance exploration of on time performance data, streamline data discovery, uncover insights, and answer operational questions.

APPENDIX

CIRIUM GLOBAL OFFICES

EUROPE

LONDON HQ

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

HEATHROW

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

SOUTHAMPTON

1st Floor,
Grosvenor House
Grosvenor Square,
Southampton SO15 2BE
United Kingdom

SUTTON

Sutton Park House,
15 Carshalton Road,
Sutton, SM1 4LE
United Kingdom
Tel: +44 20 8652 3315

MIDDLE EAST & AFRICA

DUBAI

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

ALPHARETTA

1100 Alderman Drive
Alpharetta, GA
30005
USA

DALLAS

400 E. Las Colinas Blvd.
STE 300-65 Irving, TX
75039
USA

ASIA PACIFIC

SINGAPORE

Winsland House 1
3 Killiney Road, #08-01
Singapore 239519
Tel: +65 6349 0200

BEIJING

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

GURGAON

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

HONG KONG

11th Floor Oxford House
Taikoo Place
979 King's Road
Quarry Bay,
Hong Kong

MANILA

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

SEOUL

4th Floor, Chungwoo
Bldg, 206, Noksapyeo-
ng-daero Yongsan-gu,
Seoul 04345,
South Korea

SHANGHAI

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

SYDNEY

Level 9, The Forum
Building, 201 Pacific
Highway, St Leonards,
NSW 2065
Australia

TOKYO

11F Yaesu Central Tower,
Tokyo Midtown Yaesu,
2-2-1 Yaesu, Chuo-ku,
Tokyo 104-0028, Japan
Ciriium.com/Jp/



CIRIUM