

Airline On-time Arrival Performance Report (H1 2018)

Abstract

In the first half of 2018, JL tops the global airlines chart with an on-time arrival rate of 96.09 percent; MU ranks first among the ten major airlines in mainland China with an on-time arrival performance of 85.69 percent and an average delay of 15.52 minutes.



Global Big Airlines

In the first half of 2018, Japan Airlines tops the big airlines chart with an on-time arrival rate of 96.09 percent and an average delay of 5.22 minutes.

Ranking	IATA Code	Airlines	Country	Flight Arrivals	On-time Arrival Performance	Average Arrival Delay (minutes)
1	JL	Japan Airlines	JP	145262	96.09%	5.22
2	QR	Qatar Airways	QA	84722	95.89%	5.32
3	NH	All Nippon Airways	JP	220129	95.81%	5.16
4	JJ	TAM Airlines	BR	91254	95.56%	4.82
5	EK	Emirates Airlines	AE	93233	94.88%	6.02
6	AS	Alaska Airlines	US	202747	94.20%	5.99
7	VA	Virgin Australia	AU	80730	93.96%	6.90
8	AZ	Alitalia Airlines	IT	91346	93.96%	6.01
9	SU	Aeroflot-Russian Airlines	RU	160940	93.89%	8.01
10	IB	Iberia Airlines	ES	99874	93.60%	6.95

Source: VariFlight

Figure 8: World's TOP10 most punctual big airlines upon arrival (Jan-Jun, 2018)

Note: Reporting airlines are those whose actual daily arrival flights are over 400.



Global Medium-Sized Airlines

In the first half of 2018, COPA delivers the best on time performance among all medium-sized airlines worldwide with 97.71 percent punctuality and an average delay of 3.36 minutes.

Ranking	IATA Code	Airlines	Country	Flight Arrivals	On-time Arrival Performance	Average Arrival Delay (minutes)
1	CM	COPA	PA	60823	97.71%	3.36
2	HA	Hawaiian Airlines	US	48010	95.58%	5.87
3	SQ	Singapore Airlines	SG	43178	95.46%	5.76
4	EY	Etihad Airways	AE	48058	95.18%	5.45
5	Y4	Volaris	MX	54863	94.67%	6.15
6	O6	Avianca Brazil	BR	47342	94.36%	6.01
7	UT	UTair Aviation	RU	38916	94.06%	7.66
8	4O	InterJet	MX	59071	93.53%	6.72
9	AR	Aerolineas Argentinas	AR	60957	93.38%	6.99
10	TG	Thai Airways International	TH	39310	92.99%	8.90

Source: VariFlight

Figure 9: World's TOP10 most punctual medium-sized airlines upon arrivals (Jan-Jun, 2018)

Note: Reporting airlines are those whose actual daily arrival flights are between 200 to 400.



APAC: Major Airlines

In the first half of 2018, Japan Airlines ranks first among all major airlines in Asia-Pacific region with an on-time arrival rate of 96.09 percent. In mainland China, China Eastern Airlines ranks eighth in the list with an on-time arrival rate of 85.69 percent.

Ranking	IATA Code	Airlines	Country	Flight Arrivals	On-time Arrival Performance	Average Arrival Delay (minutes)
1	JL	Japan Airlines	JP	145262	96.09%	5.22
2	NH	All Nippon Airways	JP	220129	95.81%	5.16
3	VA	Virgin Australia	AU	80730	93.96%	6.90
4	QF	Qantas Airways	AU	130083	93.20%	7.69
5	NZ	Air New Zealand	NZ	88468	92.08%	8.58
6	KE	Korean Air	KR	74800	91.66%	9.11
7	GA	Garuda Indonesia	ID	110206	89.73%	10.40
8	MU	China Eastern Airlines	CN	363036	85.69%	15.52
9	CZ	China Southern Airlines	CN	366656	85.53%	17.62
10	CA	Air China	CN	235526	85.27%	17.93
11	3U	Sichuan Airlines	CN	98235	84.97%	16.12
12	AK	AirAsia	MY	100243	84.64%	14.16
13	SC	Shandong Airlines	CN	99384	83.57%	17.22
14	HU	Hainan Airlines	CN	138032	82.94%	18.65
15	ZH	Shenzhen Airlines	CN	123245	80.37%	21.17
16	MF	Xiamen Airlines	CN	111066	79.04%	20.95
17	JT	Lion Air	ID	115459	67.35%	28.67

Source: VariFlight

Figure 10: Best airlines in Asia-Pacific for on-time arrivals (Jan-Jun, 2018)

Note: Reporting airlines are those whose actual daily arrival flights are over 400.



APAC: Medium-Sized Airlines

In the first half of 2018, Singapore Airlines ranks first among medium-sized airlines in the Asia-Pacific region with on-time arrival rate of 95.46 percent. In mainland China, Juneyao Airlines ranks eighth in the list of medium-sized airlines with an on-time arrival rate of 88.06 percent and an average arrival delay of 13.26 minutes.

Ranking	IATA Code	Airlines	Country	Flight Arrivals	On-time Arrival Performance	Average Arrival Delay (minutes)
1	SQ	Singapore Airlines	SG	43178	95.46%	5.76
2	TG	Thai Airways International	TH	39310	92.99%	8.90
3	FD	Thai AirAsia	TH	69681	90.85%	8.67
4	VN	Vietnam Airlines	VN	70248	90.39%	18.05
5	JQ	Jetstar Airways	AU	63504	90.32%	10.92
6	CX	Cathay Pacific	HK	48090	89.17%	11.61
7	OZ	Asiana Airlines	KR	49234	88.59%	12.24
8	HO	Juneyao Airlines	CN	54088	88.06%	13.26
9	9C	Spring Airlines	CN	60850	88.06%	13.42
10	G5	China Express Airlines	CN	41921	86.91%	14.58
11	ID	#N/A	ID	60561	86.89%	11.33
12	QG	Citilink Indonesia	ID	46164	86.62%	15.16
13	FM	Shanghai Airlines	CN	63113	85.45%	15.96
14	GS	Tianjin Airlines	CN	60728	84.66%	16.57
15	JD	Beijing Capital Airlines	CN	51318	84.20%	16.80
16	8L	Lucky Air	CN	40251	82.34%	19.33
17	OD	Malindo Air	MY	36486	79.81%	17.73

Source: VariFlight

Figure 11: Best airlines in Asia-Pacific for on-time arrivals (Jan-Jun, 2018)

Note: Reporting airlines are those whose actual daily arrival flights are between 200 to 400.



Mainland China: Ten Major Airlines

In the first half of 2018, China Eastern Airlines ranks first among ten major Chinese airlines with an on-time arrival rate of 85.69 percent and an average arrival delay of 15.52 minutes. Compared with last year, the TOP3 airlines with the most rapid increase in OTP are Shanghai Airlines (11.60 percent), Shenzhen Airlines (7.81 percent) and Air China (7.70 percent).

Ranking	IATA Code	Airlines	Flight Arrivals	On-time Arrival Performance	YoY	Average Arrival Delay (minutes)
1	MU	China Eastern Airlines	363036	85.69%	7.34%	15.52
2	CZ	China Southern Airlines	366656	85.53%	7.12%	17.62
3	FM	Shanghai Airlines	63113	85.45%	11.60%	15.96
4	CA	Air China	235526	85.27%	7.70%	17.93
5	3U	Sichuan Airlines	98235	84.97%	6.62%	16.12
6	GS	Tianjin Airlines	60728	84.66%	4.15%	16.57
7	SC	Shandong Airlines	99384	83.57%	6.55%	17.22
8	HU	Hainan Airlines	138032	82.94%	6.42%	18.65
9	ZH	Shenzhen Airlines	123245	80.37%	7.81%	21.17
10	MF	Xiamen Airlines	111066	79.04%	6.17%	20.95

Source: VariFlight

Figure 12: Best Chinese major airlines for on-time arrivals (Jan-Jun, 2018)



Mainland China: Regional Airlines

Ranking	IATA Code	Airlines	Flight Arrivals	On-time Arrival Performance	YoY	Average Arrival Delay (minutes)
1	RY	Jiangxi Airlines	5714	92.89%	3.97%	8.15
2	JR	Joy Air	15732	88.86%	1.35%	15.31
3	UQ	Urumqi Air	8065	88.29%	10.56%	15.80
4	HO	Juneyao Airlines	54088	88.06%	9.35%	13.26
5	9C	Spring Airlines	60850	88.06%	5.39%	13.42
6	G5	China Express Airlines	41921	86.91%	2.62%	14.58
7	GY	Colorful Guizhou Airlines	7047	86.87%	8.40%	13.50
8	A6	Hongtu Airlines	2959	86.73%	11.54%	16.84
9	DR	Ruilu Airlines	14533	86.57%	3.50%	16.02
10	OQ	Chongqing Airlines	14809	86.45%	3.56%	19.66
11	9H	Chang'an Airlines	7890	86.14%	-0.76%	15.16
12	CN	Grand China Air	2092	85.56%	6.51%	15.43
13	TV	Tibet Airlines	19626	84.43%	6.94%	17.81
14	GT	Air Guilin	6195	84.25%	11.17%	18.32
15	JD	Beijing Capital Airlines	51318	84.20%	6.73%	16.80
16	AQ	9 Air	13386	84.19%	7.32%	18.90
17	FU	Fuzhou Airlines	11266	83.80%	9.91%	18.78
18	EU	Chengdu Airlines	27059	83.45%	6.62%	18.28
19	KY	Kunming Airlines	18188	82.99%	4.72%	20.31
20	DZ	Donghai Airlines	15012	82.81%	11.15%	20.31
21	Y8	Suparna Airlines	7895	82.67%	2.30%	20.15
22	8L	Lucky Air	40251	82.34%	4.09%	19.33
23	PN	China West Air	24678	81.93%	4.63%	21.46
24	LT	Longjiang Airlines	874	80.85%	4.60%	26.04
25	GX	Guangxi Beibu Gulf Airlines	17647	80.60%	3.93%	20.30
26	GJ	Loong Air	24066	79.86%	5.62%	24.60
27	NS	Hebei Airlines	16864	79.39%	10.62%	22.18
28	KN	China United Airlines	28939	78.94%	0.78%	23.11
29	BK	Okay Airways	18228	78.63%	5.36%	25.57
30	QW	Qingdao Airlines	12320	78.04%	-8.22%	24.08

Jiangxi Airlines has ranked first in the first half of 2018 among all regional airlines with an on-time arrival rate of 92.89 percent and an average arrival delay of 8.15 minutes. Compared with last year, the TOP3 airlines with the most rapid increase in OTP are Hongtu Airlines (11.54 percent), Air Guilin (11.17 percent) and Donghai Airlines (11.15 percent).

Source: VariFlight

Figure 13: Best regional Chinese airlines for on-time arrivals (Jan-Jun, 2018)

Notes from editors

source: data.VariFlight.com

Period: Jan 1- Jun 30, 2018

Flights: Commercial air passenger flights only. Cargo aircrafts, corporate jets and general aviation are excluded.

Actual departure flights: Departure flights that have actual take-off time and actual departure time in VariFlight database. Canceled flights are excluded.

Actual arrival flights: Arrival flights that have actual take-off time and actual departure time in VariFlight database. Canceled flights are excluded.

Large airports: Airports with above 6000 actual departure flights monthly.

Medium-sized airports: Airports with 2000 to 6000 actual departure flights monthly.

Airports in Mainland China: Airports in mainland China can be divided into three classes with a capacity of over 10 million passengers, 2 million to 10 million passengers and less than 2 million passengers respectively, in accordance with the passenger throughput published by Civil Aviation Administration of China (CAAC), 2017.

Big Airlines: Airlines whose actual daily arrival flights are over 400.

Medium-sized Airlines: Airlines those whose actual daily arrival flights are between 200 to 400.

On-time departure flights: $ATD-STD < 30\text{mins}$

On-time arrival flights: $ATA-STA < 30\text{mins}$

On-time departure rate: $\text{On-time Departure Flights} / \text{Actual Departure Flights} * 100\%$

On-time arrival rate: $\text{On-time Arrival Flights} / \text{Actual Arrival Flights} * 100\%$

Average departure delay time: $\text{Total Departure Delay Time} / \text{Actual Departure Flights}$

(Departure delay time of a single flight: $ATD-STD$. If a flight departs ahead of the scheduled time of departure, then the result is zero.)

Average arrival delay time: $\text{Total Arrival Delay Time} / \text{Actual Arrival Flights}$

(Arrival delay time of a single flight: $ATA-STA$. If a flight arrives ahead of the scheduled time of arrival, then the result is zero.)



Introduction

VariFlight Big Data Research Institute, the professional body for data analytics of VariFlight, uncovers hidden insights of civil aviation industry. Research reports such as *Global Airport On-time Departure Performance Report*, *Global Airline On-time Arrival Performance Report*, *Chinese Airport Development Report* and *China's Civil Aviation Market Briefing* are regularly published for airlines, airports, aircraft manufacturers to extract insights for making better informed decisions.

Copyright

This report is published by VariFlight Big Data Research Institute and its copyright belongs to Feeyo Technology Company Ltd. No part of this publication can be reproduced, transmitted or disseminated in any form or by any means by any organization or person without specifying the “data source: VariFlight”. Whoever violates the provisions of the preceding statement shall be investigated for legal responsibility according to law.

Contact us

Official Account on WeChat: VariFlight-BigData

E-mail: bigdata@VariFlight.com

