

# 2017 On-time Performance Report of Global Airports & Airlines



飞常准大数据研究院

VariFlight Big Data Research Institute

# 01

## OTP of Airports

ITM tops the global airports chart with an on-time departure rate of 94.27 percent; URC, CKG and DLC are the best three airports for on-time departure performance among airports with a capacity of over 10 million passengers in mainland China.

# 02

## OTP of Airlines

JL tops the global airlines chart with an on-time arrival rate of 96.44 percent. GS ranks first with an on-time arrival performance of 80.33 percent and an average delay of 24.26 minutes.



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# OTP of Airports



Ranking	IATA Code	Airports	Country	Flight Departures (ten thousand)	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	ITM	Itami	JP	10.0	94.27%	0.11%	13.09
2	CTS	New Chitose	JP	9.3	93.84%	0.47%	8.96
3	HNL	Honolulu	US	8.3	88.13%	1.26%	19.09
4	HND	Tokyo	JP	25.3	87.96%	0.36%	20.16
5	FUK	Fukuoka	JP	10.9	87.43%	0.49%	18.18
6	LED	Pulkovo	RU	8.4	87.27%	1.54%	18.76
7	HEL	Helsinki	FI	10.0	87.19%	0.68%	16.46
8	JNB	Johannesburg	ZA	9.8	85.57%	0.95%	19.34
9	BLR	Bengaluru	IN	8.9	85.42%	1.86%	16.40
10	BNE	Brisbane	AU	10.2	85.33%	1.15%	19.07

Source: VariFlight

Figure 1: World's TOP10 best airports for on-time departures (Large airports, 2017)

Note: Reporting airports are those whose actual monthly departure flights are over 6000 in 2017.

Itami Airport (ITM) tops the large airports chart in 2017 with an on-time departure rate of 94.27 percent and an average delay of 13.09 minutes.



## Global Medium-sized Airports



Ranking	IATA Code	Airports	Country	Flight Departures (ten thousand)	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	SDJ	Sendai	JP	3.3	94.27%	0.23%	11.49
2	TFN	Tenerife	ES	3.5	93.92%	0.43%	10.97
3	KOJ	Kagoshima	JP	4.3	93.60%	0.22%	11.92
4	KMI	Miyazaki	JP	2.7	93.06%	0.22%	13.41
5	OGG	Kahului	US	3.9	91.02%	1.28%	13.27
6	KHH	Kaohsiung	TW, CN	2.7	91.01%	1.06%	14.04
7	LUX	Luxembourg	LU	2.5	90.72%	0.52%	13.24
8	NGO	Nagoya	JP	6.3	90.65%	1.01%	16.87
9	SVG	Stavanger	NO	2.6	90.51%	0.46%	12.43
10	WLG	Wellington	NZ	4.8	90.06%	0.58%	14.30

Source: VariFlight

Figure 2: World's TOP10 best airports for on-time departures (Medium-sized airports, 2017)

Note: Reporting airports are those whose actual monthly departure flights are between 2000 to 6000 in 2017.

Sendai Airport (SDJ) delivers the best on time performance among all medium-sized airports worldwide with 94.27 percent punctuality and an average delay of 11.49 minutes.



Ranking	IATA Code	Airports	Country	Flight Departures (ten thousand)	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	ITM	Itami	JP	10.0	94.27%	0.11%	13.09
2	CTS	New Chitose	JP	9.3	93.84%	0.47%	8.96
3	HND	Haneda	JP	25.3	87.96%	0.36%	20.16
4	FUK	Fukuoka	JP	10.9	87.43%	0.49%	18.18
5	BNE	Brisbane	AU	10.2	85.33%	1.15%	19.07
6	AKL	Auckland	NZ	8.7	84.75%	0.99%	19.43
7	KIX	Osaka	JP	8.7	84.50%	1.70%	21.15
8	MEL	Melbourne	AU	12.3	79.95%	1.18%	22.24
9	DMK	Don Mueang	TH	12.7	78.61%	0.74%	23.01
10	HAN	Noi Bai	VN	7.6	78.47%	1.80%	26.13

Source: VariFlight

Figure 3: TOP20 best airports in Asia-Pacific for on-time departures (TOP1-10, Major airports, 2017)

Note: Reporting airports are those whose actual monthly departure flights are over 6000 in 2017.

Itami Airport (ITM) cements its position at the forefront of all major airports in Asia-Pacific region with an on-time departure rate of 94.27 percent.



Ranking	IATA Code	Airports	Country	Flight Departures (ten thousand)	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
11	SYD	Sydney	AU	16.3	76.19%	1.35%	25.44
12	SIN	Singapore Changi	SG	18.0	75.70%	1.34%	26.46
13	URC	Urumqi Diwopu	CN	8.3	75.37%	5.66%	32.10
14	OKA	Naha	JP	7.4	75.34%	0.74%	23.39
15	CJU	Jeju	KR	8.3	74.97%	2.13%	27.84
16	CKG	Chongqing Jiangbei	CN	14.1	74.38%	6.03%	31.75
17	XIY	Xi'an Xianyang	CN	15.9	73.78%	5.39%	31.98
18	TPE	Taiwan Taoyuan	CN,TW	11.3	73.49%	1.62%	26.88
19	BKK	Suvarnabhumi	TH	17.4	71.78%	1.89%	27.76
20	CGO	Zhengzhou Xinzheng	CN	9.3	69.03%	9.04%	39.51

Source: VariFlight

Figure 4: TOP20 best airports in Asia-Pacific for on-time departures (TOP11-20, Major airports, 2017)

Note: Reporting airports are those whose actual monthly departure flights are over 6000 in 2017.

In mainland China, Urumqi Diwopu (URC), Chongqing Jiangbei (CKG), Xi'an Xianyang (XIY) and Zhengzhou Xinzheng (CGO) ascend the rankings.



Ranking	IATA Code	Airports	Country	Flight Departures (ten thousand)	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	SDJ	Sendai	JP	3.3	94.27%	0.23%	11.49
2	KOJ	Kagoshima	JP	4.3	93.60%	0.22%	11.92
3	KMI	Miyazaki	JP	2.7	93.06%	0.22%	13.41
4	KHH	Kaohsiung	CN,TW	2.7	91.01%	1.06%	14.04
5	NGO	Nagoya	JP	6.3	90.65%	1.01%	16.87
6	WLG	Wellington	NZ	4.8	90.06%	0.58%	14.30
7	CHC	Christchurch	NZ	4.8	89.88%	0.50%	14.66
8	PER	Perth	AU	5.8	89.39%	1.18%	16.93
9	ADL	Adelaide	AU	4.2	89.13%	0.85%	15.56
10	TSA	Taipei Songshan	CN,TW	2.6	88.45%	0.94%	15.88

Source: VariFlight

Figure 5: TOP20 best airports in Asia-Pacific for on-time departures (TOP1-10, Medium-sized airports, 2017)

Note: Reporting airports are those whose actual monthly departure flights are between 2000 to 6000 in 2017.

Sendai Airport (SDJ) ranks first among medium-sized airports in the Asia-Pacific region with an on-time departure rate of 94.27 percent.



Ranking	IATA Code	Airports	Country	Flight Departures (ten thousand)	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
11	CNS	Cairns	AU	2.5	86.23%	1.21%	17.38
12	CNX	Chiang Mai	TH	3.8	86.09%	1.37%	16.17
13	PUS	Busan	KR	5.5	85.18%	0.77%	19.04
14	GMP	Gimpo	KR	7.1	84.08%	1.41%	22.25
15	HKT	Phuket	TH	5.3	80.93%	2.30%	20.11
16	XNN	Xining Caojiapu	CN	2.4	78.26%	6.08%	27.07
17	PEN	Penang	MY	2.9	77.71%	1.67%	22.09
18	BKI	Sabah	MY	3.3	76.37%	2.38%	24.63
19	LIG	Lijiang Sanyi	CN	2.8	76.10%	4.87%	26.64
20	INC	Yinchuan Hedong	CN	3.3	75.67%	6.30%	30.76

Source: VariFlight

Figure 6: TOP20 best airports in Asia-Pacific for on-time departures (TOP11-20, Medium-sized airports, 2017)

Note: Reporting airports are those whose actual monthly departure flights are between 2000 to 6000 in 2017.

In mainland China, Xining Caojiapu (XNN), Lijiang Sanyi (LIG) and Yinchuan Hedong (INC) ascend the rankings.



## On-time departure rate of airports with a capacity over 10 million passengers



Ranking	IATA Code	Airports	Flight Departures (ten thousand)	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	URC	Urumqi Diwopu	8.3	75.37%	5.66%	32.10
2	CKG	Chongqing Jiangbei	14.1	74.38%	6.03%	31.75
3	DLC	Dalian Zhoushuizi	6.9	74.03%	6.05%	30.69
4	XIY	Xi'an Xianyang	15.9	73.78%	5.39%	31.98
5	LHW	Lanzhou Zhongchuan	5.1	72.55%	6.76%	32.32
6	TNA	Jinan Yaoqiang	5.5	71.21%	7.08%	34.08
7	CGO	Zhengzhou Xinzheng	9.3	69.03%	9.04%	39.51
8	CTU	Chengdu Shuangliu	16.3	68.66%	6.23%	36.79
9	WUH	Wuhan Tianhe	9.0	67.89%	7.81%	36.92
10	HAK	Haikou Meilan	7.8	67.81%	7.51%	37.38
11	KWE	Guiyang Longdongbao	7.3	67.78%	6.46%	35.77
12	CSX	Changsha Huanghua	8.7	67.46%	7.71%	36.85
13	KMG	Kunming Changshui	17.7	67.05%	6.01%	37.63
14	HRB	Harbin Taiping	6.8	67.00%	7.87%	39.55
15	TAO	Qingdao Liuting	8.7	65.54%	6.11%	36.63

Urumqi Diwopu (URC), Chongqing Jiangbei (CKG) and Dalian Zhoushuizi (DLC) are the best three airports for on-time departure performance (75.37%, 74.38% and 74.03%) among airports with a capacity of over 10 million passengers in mainland China.

Source: VariFlight

Figure 7: China's airports on-time departure performance (top1-15, airports with a capacity of over 10 million passengers, 2017)



## On-time departure rate of airports with a capacity over 10 million passengers



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Ranking	IATA Code	Airports	Flight Departures (ten thousand)	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
16	SYX	Sanya Phoenix	5.9	64.74%	9.49%	42.88
17	SZX	Shenzhen Bao'an	15.5	64.11%	9.62%	45.60
18	SHE	Shenyang Taoxian	6.2	63.70%	9.01%	42.66
19	CAN	Guangzhou Baiyun	22.1	63.29%	7.40%	42.26
20	TSN	Tianjin Binhai	7.9	63.04%	10.91%	46.86
21	FOC	Fuzhou Changle	4.7	59.41%	8.40%	43.35
22	NNG	Nanning Wuxu	5.2	59.26%	9.81%	46.65
23	SHA	Shanghai Hongqiao	13.0	58.43%	8.80%	45.92
24	NKG	Nanjing Lukou	9.7	55.38%	11.13%	52.59
25	HGH	Hangzhou Xiaoshan	12.3	53.74%	10.34%	52.00
26	PVG	Shanghai Pudong	22.4	53.35%	7.97%	47.84
27	PEK	Beijing Capital	28.7	52.84%	8.27%	47.83
28	XMN	Xiamen Gaoqi	9.1	50.70%	9.64%	50.42

Source: VariFlight

Figure 8: China's airports on-time departure performance (TOP16-28, airports with a capacity of over 10 million passengers, 2017)



## On-time departure rate of airports with a capacity of over 2 million passengers



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Ranking	IATA Code	Airports	Flight Departures (ten thousand)	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	JHG	Xishuangbanna	1.6	79.50%	3.61%	22.05
2	XNN	Xining Caojiapu	2.4	78.26%	6.08%	27.07
3	LJG	Lijiang Sanyi	2.8	76.10%	4.87%	26.64
4	INC	Yinchuan Hedong	3.3	75.67%	6.30%	30.76
5	TYN	Taiyuan Wusu	4.9	68.62%	8.51%	39.11
6	KWL	Guilin Liangjiang	3.1	68.45%	8.18%	36.75
7	HET	Hohhot Baita	4.7	67.81%	9.88%	42.99
8	LXA	Lhasa Kongga	1.6	67.01%	11.06%	41.63
9	KHN	Nanchang Changbei	4.3	66.99%	7.11%	37.53
10	YNT	Yantai Penglai	3.0	65.11%	7.32%	38.34

Source: VariFlight

Figure 9: China's airports on-time departure performance (TOP1-10, airports with a capacity of over 2 million passengers, 2017)

Regarding airports with a capacity of over 2 million passengers, the supreme three are Xishuangbanna (JHG), Xining Caojiapu (XNN) and Lijiang Sanyi (LIG), respectively with on-time departure rates of 79.50 percent, 78.26 percent and 76.10 percent.



## On-time departure rate of airports with a capacity of over 2 million passengers



Ranking	IATA Code	Airports	Flight Departures (ten thousand)	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
11	NAY	Beijing Nanyuan	2.1	65.08%	8.08%	37.22
12	SWA	Jieyang Chaoshan	1.9	64.77%	8.65%	39.38
13	CGQ	Changchun Longjia	4.2	62.79%	10.82%	45.59
14	HFE	Hefei Xinqiao	3.7	60.41%	9.19%	44.82
15	SJW	Shijiazhuang Zhengding	3.8	56.78%	11.60%	51.71
16	WNZ	Wenzhou Longwan	3.6	55.91%	8.19%	45.36
17	JJN	QUANZHOU JINJIANG	2.1	55.18%	11.14%	49.33
18	NGB	Ningbo Lishe	3.5	54.68%	10.34%	50.00
19	ZUH	Zhuhai Jinwan	3.5	53.84%	12.96%	55.76
20	WUX	Sunan Shuofang	2.5	49.52%	14.09%	57.47
21	MIG	Mianyang Nanjiao	1.4	40.39%	14.59%	62.73

Source: VariFlight

Figure 10: China's airports on-time departure performance (TOP11-21, airports with a capacity of over 2 million passengers, 2017)



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## OTP of Airlines



Ranking	IATA Code	Airlines	Country	Flight Arrivals (ten thousand)	On-time Arrival Performance	Average Arrival Delay (minutes)
1	JL	Japan Airlines	JP	28.7	96.44%	5.08
2	NH	All Nippon Airways	JP	45.0	96.02%	5.23
3	IB	Iberia Airlines	ES	20.9	95.54%	5.11
4	QR	Qatar Airways	QA	17.5	94.89%	6.87
5	G3	GOL Airlines	BR	24.5	94.51%	21.18
6	AD	Azul Brazilian	BR	25.4	94.26%	6.26
7	NZ	Air New Zealand	NZ	18.0	93.90%	7.06
8	EK	Emirates Airlines	AE	19.4	93.48%	7.23
9	AZ	Alitalia Airlines	IT	19.1	93.21%	6.95
10	SK	SAS	SE	29.9	93.20%	7.50

Source: VariFlight

Figure 11: World's TOP10 best airlines for on-time arrivals (Big airlines, 2017)

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

Japan Airlines (JL) tops the big airlines chart in 2017 with an on-time arrival rate of 96.44 percent and an average delay of 5.08 minutes.



## Global Medium-sized Airlines



Ranking	IATA Code	Airlines	Country	Flight Arrivals (ten thousand)	On-time Arrival Performance	Average Arrival Delay (minutes)
1	CM	COPA	PA	12.0	96.20%	5.08
2	HA	Hawaiian Airlines	US	9.5	95.84%	5.32
3	SQ	Singapore Airlines	SG	8.6	95.10%	5.76
4	EY	Etihad Airways	AE	10.4	95.01%	5.87
5	AY	Finnair	FI	11.2	94.06%	7.10
6	O6	Avianca Brazil	BR	8.6	93.87%	6.12
7	EI	Aer Lingus	IE	10.2	93.50%	6.25
8	OS	Austrian	AT	13.8	92.83%	7.76
9	LX	Swiss International Air Lines	CH	14.0	92.75%	7.48
10	EH	ANA Wings	JP	8.0	92.73%	9.00

Source: VariFlight

Figure 12: World's TOP10 best airlines for on-time arrivals (Medium-sized airlines, 2017)

COPA delivers the best on time performance among all medium-sized airlines worldwide with 96.20 percent punctuality and an average delay of 5.08 minutes.





## Asia-Pacific—Major Airlines



Ranking	IATA Code	Airlines	Country	Flight Arrivals (ten thousand)	On-time Arrival Performance	Average Arrival Delay (minutes)
1	JL	Japan Airlines	JP	28.7	96.44%	5.08
2	NH	All Nippon Airways	JP	45.0	96.02%	5.23
3	NZ	Air New Zealand	NZ	18.0	93.90%	7.06
4	QF	Qantas Airways	AU	26.8	92.81%	7.91
5	VA	Virgin Australia	AU	16.6	92.50%	8.44
6	KE	Korean Air	KR	15.1	92.20%	9.28
7	MH	Malaysia Airlines	MY	15.1	88.18%	12.46
8	GA	Garuda Indonesia	ID	22.3	87.13%	13.07
9	AK	AirAsia	MY	18.2	85.12%	13.90
10	CZ	China Southern Airlines	CN	72.0	79.58%	25.57
11	MU	China Eastern Airlines	CN	70.6	78.92%	24.32
12	CA	Air China	CN	45.1	78.57%	27.05
13	3U	Sichuan Airlines	CN	18.6	77.83%	26.46
14	HU	Hainan Airlines	CN	25.2	77.62%	26.34
15	SC	Shandong Airlines	CN	19.1	76.34%	27.21
16	ZH	Shenzhen Airlines	CN	23.5	72.40%	33.62
17	MF	Xiamen Airlines	CN	21.6	72.25%	29.72

Japan Airlines (JL) has firmly fixed the first spot among all major airlines in Asia-Pacific region with an on-time arrival rate of 96.44 percent and an average delay of 5.08 minutes. In mainland China, China Southern Airlines ranks tenth, in succession followed by another seven Chinese airlines.

Source: VariFlight

Figure 13: Best airlines in Asia-Pacific for on-time arrivals (Major airlines, 2017)

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



## Asia-Pacific—Medium-sized Airlines



Ranking	IATA Code	Airlines	Country	Flight Arrivals (ten thousand)	On-time Arrival Performance	Average Arrival Delay (minutes)
1	SQ	Singapore Airlines	SG	8.6	95.10%	5.76
2	EH	ANA Wings	JP	8.0	92.73%	9.00
3	FD	Thai AirAsia	TH	12.7	92.16%	8.09
4	TG	Thai Airways International	TH	7.9	91.29%	9.62
5	JQ	Jetstar Airways	AU	14.0	90.60%	10.24
6	ZL	Regional Express Airlines	AU	7.5	90.13%	10.79
7	VN	Vietnam Airlines	VN	14.2	89.76%	26.65
8	QG	Citilink Indonesia	ID	8.7	88.47%	10.47
9	OZ	Asiana Airlines	KR	10.3	87.56%	13.41
10	CX	Cathay Pacific	CN,HK	9.7	86.60%	14.74

Source: VariFlight

Figure 14: Best airlines in Asia-Pacific for on-time arrivals (TOP1-10, Medium-sized airlines, 2017)

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

Singapore Airlines ranks first among medium-sized airlines in the Asia-Pacific region with an on-time departure rate of 95.10 percent and an average delay of 5.76 minutes.



Ranking	IATA Code	Airlines	Country	Flight Arrivals (ten thousand)	On-time Arrival Performance	Average Arrival Delay (minutes)
11	OD	Malindo Air	MY	8.4	86.27%	15.10
12	G5	China Express Airlines	CN	7.3	83.59%	18.51
13	5J	Cebu Pacific Air	PH	11.3	81.37%	16.84
14	9C	Spring Airlines	CN	10.9	81.28%	24.31
15	GS	Tianjin Airlines	CN	13.3	80.33%	24.26
16	HO	Juneyao Airlines	CN	10.0	79.53%	24.06
17	PR	Philippine Airlines	PH	11.0	77.66%	21.90
18	JD	Beijing Capital Airlines	CN	10.3	77.46%	26.96
19	8L	Lucky Air	CN	7.7	77.33%	27.36
20	FM	Shanghai Airlines	CN	12.1	76.65%	26.56

Source: VariFlight

Figure 15: Best airlines in Asia-Pacific for on-time arrivals (TOP11-20, Medium-sized airlines, 2017)

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

And in mainland China, seven airlines ascend the rankings, among which China Express Airlines (G5) is recognized at twelfth with an on-time performance of 83.59 percent.。



## Ten Major Chinese Airlines



Ranking	IATA Code	Major Airlines	Flight Arrivals (ten thousand)	On-time Arrival Performance	Average Arrival Delay (minutes)
1	GS	Tianjin Airlines	13.3	80.33%	24.26
2	CZ	China Southern Airlines	72.0	79.58%	25.57
3	MU	China Eastern Airlines	70.6	78.92%	24.32
4	CA	Air China	45.1	78.57%	27.05
5	3U	Sichuan Airlines	18.6	77.83%	26.46
6	HU	Hainan Airlines	25.2	77.62%	26.34
7	FM	Shanghai Airlines	12.1	76.65%	26.56
8	SC	Shandong Airlines	19.1	76.34%	27.21
9	ZH	Shenzhen Airlines	23.5	72.40%	33.62
10	MF	Xiamen Airlines	21.6	72.25%	29.72

Source: VariFlight

Figure 16: Best Chinese major airlines for on-time arrivals (2017)

Tianjin Airlines, with an industry-leading 80.33 on-time arrival rate and an average delay of 24.26 minutes, boosts into the first position among ten major Chinese airlines.



## Regional Chinese Airlines



Ranking	IATA Code	Major Airlines	Flight Arrivals (ten thousand)	On-time Arrival Performance	Average Arrival Delay (minutes)
1	RY	Jiangxi Airlines	0.9	86.98%	14.50
2	9H	Chang'an Airlines	1.2	86.70%	16.34
3	UQ	Urumqi Air	1.2	84.89%	18.88
4	JR	Joy Air	3.4	84.86%	20.49
5	G5	China Express Airlines	7.3	83.59%	18.51
6	QW	Qingdao Airlines	2.3	82.98%	19.75
7	Y8	Suparna Airlines	1.1	82.21%	23.67
8	9C	Spring Airlines	10.9	81.28%	24.31
9	DR	Ruili Airlines	2.5	80.94%	23.97
10	CN	Grand China Air	0.4	80.86%	24.78
11	OQ	Chongqing Airlines	2.6	80.00%	28.51
12	LT	LongJiang Airlines	0.1	79.80%	29.19
13	GY	Colorful Guizhou Airlines	1.3	79.71%	22.08
14	HO	Juneyao Airlines	10.0	79.53%	24.06
15	AQ	9 Air	2.1	78.65%	25.09

Jiangxi Airlines ranks first among all regional airlines with an on-time arrival rate of 86.98 percent and an average delay of 14.50 minutes, followed by Chang'an Airlines (86.70 percent) and Urumqi Air (84.89 percent).

Source: VariFlight

Figure 17: Best regional Chinese airlines for on-time arrivals (2017)



## Regional Chinese Airlines



Ranking	IATA Code	Major Airlines	Flight Arrivals (ten thousand)	On-time Arrival Performance	Average Arrival Delay (minutes)
16	A6	Hongtu Airlines	0.3	78.00%	30.51
17	GT	Air Guilin	0.7	77.97%	25.96
18	TV	Tibet Airlines	3.4	77.75%	28.90
19	KY	Kunming Airlines	3.5	77.50%	27.00
20	JD	Beijing Capital Airlines	10.3	77.46%	26.96
21	8L	Lucky Air	7.7	77.33%	27.36
22	PN	China West Air	5.2	76.21%	29.57
23	GX	Guangxi Beibu Gulf Airlines	3.3	75.96%	27.22
24	EU	Chengdu Airlines	4.7	75.87%	27.52
25	GJ	Loong Air	4.1	74.89%	28.86
26	FU	Fuzhou Airlines	1.9	74.58%	29.99
27	KN	China United Airlines	5.7	73.62%	31.06
28	DZ	Donghai Airlines	2.6	73.49%	35.51
29	BK	Okay Airways	3.5	73.27%	32.68
30	NS	Hebei Airlines	3.2	65.62%	40.89

Source: VariFlight

Figure 18: Best regional Chinese airlines for on-time arrivals (2017)

Period: Jan 1- Dec 31, 2017

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.

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/Copyright

## Introduction

VariFlight Big Data Research Institute is a professional analyst team taking a stab at analyzing the growing mountain of commercial aviation data with a pursuit of better insights. Up to now, VariFlight Big Data Research Institute has released 200 industry reports and are broadly welcomed by industry experts. In the future, it will continue to provide advanced reporting service across the civil aviation industry.

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