

Airport On-time Departure Performance (Jan. 2018)

Powered by VariFlight incomparable aviation database, the monthly report of *Airport On-time Departure Performance* provides an overview of how global airports are performing in January, 2018.

Global Hubs

Itami Airport (ITM) tops the large airports chart in January with an on-time departure rate of 91.78 percent and an average delay of 14.14 minutes. In mainland China, Chongqing Jiangbei International Airport ranks seventh in the list.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	ITM	Itami	JP	6129	91.78%	0.16%	14.14
2	PDX	Portland	US	7003	89.83%	1.25%	15.00
3	HNL	Honolulu	US	6197	88.76%	0.90%	17.87
4	BNE	Brisbane	AU	8113	88.02%	0.61%	16.88
5	VIE	Vienna	AT	7644	87.41%	0.90%	17.79
6	CTS	New Chitose	JP	6772	87.23%	0.82%	12.65
7	CKG	Chongqing Jiangbei	CN	12005	86.99%	2.32%	17.52
8	CGH	Congonhas	BR	7629	85.80%	0.19%	16.76
9	CPH	Copenhagen	DK	9145	85.75%	0.92%	18.62
10	DOH	Doha	QA	8210	85.44%	1.24%	20.82

Source: VariFlight

Figure 1: World's TOP10 best airports for on-time departures (Large airports, January, 2018)

Note: Reporting airports are those whose actual departure flights are over 6000 in January, 2018.

Global Medium-sized Airports

Kaohsiung Airport (KHH) delivers the best on time performance among all medium-sized airports worldwide with 94.01 percent punctuality and an average delay of 10.67 minutes.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	KHH	Kaohsiung	TW, CN	2179	94.01%	0.43%	10.67
2	LIN	Milan Linate	IT	3895	93.89%	0.11%	11.66
3	WLG	Wellington	NZ	3065	93.65%	0.38%	11.46
4	CMN	Mohammed V International	MA	3442	92.34%	0.91%	8.76

5	BLQ	Bologna	IT	2346	91.89%	0.86%	7.20
6	ATH	Athens	GR	5909	91.58%	1.20%	17.00
7	TSA	Taipei Songshan	TW, CN	2014	91.05%	0.31%	14.17
8	OGG	Kahului	US	3177	90.99%	0.95%	13.73
9	ADL	Adelaide	AU	3262	90.58%	0.60%	14.32
10	CHC	Christchurch	NZ	3018	90.32%	0.39%	13.88

Source: VariFlight

Figure 2: World's TOP10 best airports for on-time departures (Medium-sized airports, January, 2018)

Note: Reporting airports are those whose actual departure flights are between 2000 to 6000 in January, 2018.

Asia-Pacific----Major Airports

Itami Airport (ITM) ranks first of all major airports in Asia-Pacific region with an on-time departure rate of 91.78 percent. In mainland China, Chongqing Jiangbei International Airport (CKG) ranks fourth (86.99 percent).

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	ITM	Itami	JP	6129	91.78%	0.16%	14.14
2	BNE	Brisbane	AU	8113	88.02%	0.61%	16.88
3	CTS	New Chitose	JP	6772	87.23%	0.82%	12.65
4	CKG	Chongqing Jiangbei	CN	12005	86.99%	2.32%	17.52
5	HND	Haneda	JP	20997	85.02%	0.64%	21.05
6	KIX	Osaka	JP	7504	84.71%	1.18%	19.80
7	AKL	Auckland	NZ	6887	82.99%	0.92%	20.44
8	SHA	Shanghai Hongqiao	CN	10870	82.42%	3.34%	24.17
9	CTU	Chengdu Shuangliu	CN	14371	82.42%	2.12%	23.32
10	URC	Urumqi Diwopu	CN	6687	81.48%	4.21%	26.99
11	SZX	Shenzhen Bao'an	CN	13584	80.81%	2.79%	24.89
12	FUK	Fukuoka	JP	8020	79.62%	0.81%	21.99
13	OKA	Naha	JP	6044	79.40%	0.32%	20.79
14	MEL	Melbourne	AU	10229	79.24%	0.99%	22.19
15	CSX	Changsha Huanghua	CN	6928	78.95%	4.75%	28.11
16	KMG	Kunming Changshui	CN	15176	78.69%	2.20%	25.41
17	TSN	Tianjin Binhai	CN	6823	77.91%	4.20%	25.50
18	TAO	Qingdao Liuting	CN	7081	77.46%	2.72%	24.75

19	SYD	Sydney Kingsford Smith	AU	12890	77.44%	1.16%	24.68
20	HAK	Haikou Meilan	CN	7396	77.07%	2.95%	25.99

Source: VariFlight

Figure 3: TOP20 best airports in Asia-Pacific for on-time departures (Major airports, January, 2018)

Note: Reporting airports are those whose actual departure flights are over 6000 in January, 2018.

Asia-Pacific---Medium-sized Airports

Kaohsiung Airport (KHH) ranks first among medium-sized airports in the Asia-Pacific region with an on-time departure rate of 94.01 percent. In mainland China, Lijiang Sanyi Airport (LIG) is recognized as fourteenth with an on-time performance of 83.80 percent.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	KHH	Kaohsiung	TW, CN	2179	94.01%	0.43%	10.67
2	WLG	Wellington	NZ	3065	93.65%	0.38%	11.46
3	TSA	Taipei Songshan	TW, CN	2014	91.05%	0.31%	14.17
4	ADL	Adelaide	AU	3262	90.58%	0.60%	14.32
5	CHC	Christchurch	NZ	3018	90.32%	0.39%	13.88
6	SDJ	Sendai	JP	2223	89.64%	0.28%	13.83
7	NGO	Nagoya	JP	4313	89.19%	1.10%	16.26
8	KOJ	Kagoshima	JP	3177	88.53%	0.60%	16.82
9	PER	Perth	AU	4475	87.31%	1.37%	18.88
10	CNS	Cairns	AU	2239	86.89%	0.95%	17.36
11	PUS	Busan	KR	4710	86.15%	1.11%	19.47
12	CNX	Chiang Mai	TH	3471	85.18%	0.58%	16.60
13	PNH	Pochentong	KH	2041	85.02%	1.23%	18.21
14	LJG	Lijiang Sanyi	CN	2290	83.80%	1.31%	16.35
15	TYN	Taiyuan Wusu	CN	4398	83.42%	2.28%	20.23
16	LHW	Lanzhou Zhongchuan	CN	4086	83.25%	1.93%	18.39
17	TNA	Jinan Yaoqiang	CN	4871	83.10%	2.41%	19.56
18	KWL	Guilin Liangjiang	CN	2262	82.25%	2.31%	18.02
19	INC	Yinchuan Hedong	CN	2724	81.85%	2.59%	20.16
20	OOL	Gold Coast	AU	2046	81.68%	1.05%	20.28

Source: VariFlight

Figure 4: TOP20 best airports in Asia-Pacific for on-time departures (Medium-sized airports, January, 2018)

Note: Reporting airports are those whose actual departure flights are between 2000 to 6000 in January, 2018.

Airports in mainland China

Airports in mainland China can be divided into three classes with a capacity of over 10 million passengers, 2 million passengers and less than 2 million passengers respectively, in accordance with the passenger throughput published by Civil Aviation Administration of China (CAAC), 2016.

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

Chongqing Jiangbei (CKG), Lanzhou Zhongchuan (LHW) and Jinan Yaoqiang (TNA) are the best three airports for on-time departure performance (86.99%, 83.25% and 83.10%) among airports with a capacity of over 10 million passengers in mainland China.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	CKG	Chongqing Jiangbei	12005	86.99%	2.32%	17.52
2	LHW	Lanzhou Zhongchuan	4086	83.25%	1.93%	18.39
3	TNA	Jinan Yaoqiang	4871	83.10%	2.41%	19.56
4	SHA	Shanghai Hongqiao	10870	82.42%	3.34%	24.17
5	CTU	Chengdu Shuangliu	14371	82.42%	2.12%	23.32
6	URC	Urumqi Diwopu	6687	81.48%	4.21%	26.99
7	SZX	Shenzhen Bao'an	13584	80.81%	2.79%	24.89
8	DLC	Dalian Zhoushuizi	5635	80.61%	4.37%	24.91
9	CSX	Changsha Huanghua	6928	78.95%	4.75%	28.11
10	KMG	Kunming Changshui	15176	78.69%	2.20%	25.41
11	TSN	Tianjin Binhai	6823	77.91%	4.20%	25.50
12	TAO	Qingdao Liuting	7081	77.46%	2.72%	24.75
13	HAK	Haikou Meilan	7396	77.07%	2.95%	25.99
14	FOC	Fuzhou Changle	4258	76.90%	2.07%	24.69
15	XIY	Xi'an Xianyang	12789	76.79%	4.63%	29.34
16	HGH	Hangzhou Xiaoshan	10173	76.37%	3.22%	29.01
17	CAN	Guangzhou Baiyun	18856	75.66%	2.36%	27.15
18	CGO	Zhengzhou Xinzheng	8095	75.50%	5.86%	30.71
19	WUH	Wuhan Tianhe	7373	75.30%	5.55%	32.02
20	KWE	Guiyang Longdongbao	6234	75.13%	4.81%	27.95
21	PVG	Shanghai Pudong	19194	74.28%	3.25%	29.76
22	PEK	Beijing Capital	24761	73.99%	2.00%	26.43
23	HRB	Harbin Taiping	5984	73.65%	4.68%	30.57
24	SYX	Sanya Phoenix	5530	72.49%	3.92%	29.33
25	NKG	Nanjing Lukou	7635	68.87%	7.33%	39.07

26	XMN	Xiamen Gaoqi	7892	68.19%	2.40%	30.44
27	SHE	Shenyang Taoxian	5504	67.50%	5.68%	35.44
28	NNG	Nanning Wuxu	4426	65.87%	7.46%	37.15

Source: VariFlight

Figure 5: China's airports on-time departure performance (airports with a capacity of over 10 million passengers, January, 2018)

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

Regarding airports with a capacity of over 2 million passengers, the supreme three are Xining Caojiapu (XNN), Lijiang Sanyi (LIG) and Taiyuan Wusu (TYN), respectively with on-time departure rates of 86.86 percent, 83.80 percent and 83.42 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	XNN	Xining Caojiapu	1485	86.86%	2.90%	16.63
2	LJG	Lijiang Sanyi	2290	83.80%	1.31%	16.35
3	TYN	Taiyuan Wusu	4398	83.42%	2.28%	20.23
4	KWL	Guilin Liangjiang	2262	82.25%	2.31%	18.02
5	INC	Yinchuan Hedong	2724	81.85%	2.59%	20.16
6	HET	Hohhot Baita	3611	81.27%	2.95%	22.24
7	KHN	Nanchang Changbei	4612	78.65%	3.25%	24.35
8	ZUH	Zhuhai Jinwan	3187	78.43%	3.21%	25.69
9	NAY	Beijing Nanyuan	1807	78.19%	4.61%	25.11
10	NGB	Ningbo Lishe	3075	77.27%	2.28%	23.84
11	SWA	Jieyang Chaoshan	1671	76.60%	2.93%	24.76
12	WNZ	Wenzhou Longwan	3142	75.69%	2.33%	25.33
13	LXA	Lhasa Kongga	1296	73.93%	4.19%	28.01
14	JJN	QUANZHOU JINJIANG	2342	71.70%	4.40%	29.55
15	SJW	Shijiazhuang Zhengding	3609	71.19%	4.06%	30.56
16	JHG	Xishuangbanna	1540	71.13%	1.56%	24.01
17	CGQ	Changchun Longjia	3868	69.43%	6.42%	33.45
18	WUX	Sunan Shuofang	2211	68.04%	3.98%	29.77
19	YNT	Yantai Penglai	2649	65.36%	8.23%	39.16
20	MIG	Mianyang Nanjiao	943	63.84%	4.24%	32.68
21	HFE	Hefei Xinqiao	3169	63.49%	10.04%	46.97

Source: VariFlight

Figure 6: China's airports on-time departure performance (airports with a capacity of over 2 million passengers, January, 2018)

Worst-affected airports under extreme weather conditions

In January, Hefei Xinqiao International Airport suffers the most from severe weathers, a record of 132 hours in total. Nanjing Lukou International Airport, Xi'an Xianyang International Airport, Urumqi Diwopu International Airport and Hangzhou Xiaoshan International Airport have also been affected for 121 hours, 116 hours, 74 hours and 73 hours respectively.

IATA Code	Airports	Inclement Weather hitting hours	Total On-time Release Rate	On-time Release Rate with Inclement Weather	On-time Release Rate without Inclement Weather
HFE	Hefei Xinqiao	132	63.49%	33.85%	71.13%
NKG	Nanjing Lukou	121	68.87%	37.44%	76.33%
XIY	Xi'an Xianyang	116	76.79%	31.60%	87.06%
URC	Urumqi Diwopu	74	81.48%	59.14%	85.11%
HGH	Hangzhou Xiaoshan	73	76.37%	46.75%	81.00%

Source: VariFlight

Figure 7: China's worst-affected airports for normal flight release rate (January, 2018)

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January, 2018 Airport On-time Departure Performance

Notes for editors

Period: Jan 1- Jan 31, 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.

On-time departure flights: ATD-STD<30mins

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.)

About VariFlight

Founded in 2005, VariFlight is a leading aviation service provider in China. Today we pride ourselves on being a global leader in aviation data and related analytics such as flight status data, fleets data, flight delay analysis, on-time performance analysis, A-CDM and aviation meteorology statistical analysis.