Airport On-time Departure Performance (Feb. 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 February, 2018.

Global Hubs

Congonhas Airport (CGH) tops the large airports chart in February with an on-time departure rate of 89.34 percent and an average delay of 14.82 minutes. In mainland China, Xi'an Xianyang International Airport (XIY) ranks ninth in the list.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	CGH	Congonhas	BR	6736	89.34%	0.18%	14.82
2	DOH	Doha	QA	7354	88.74%	0.61%	18.32
3	CTS	New Chitose	JP	6443	88.31%	0.36%	12.41
4	HND	Haneda	JP	19043	87.50%	0.35%	19.84
5	KIX	Osaka	JP	6805	85.67%	0.80%	18.97
6	DUB	Dublin	IE	7035	85.46%	0.91%	18.95
7	PDX	Portland	US	7224	84.79%	1.27%	17.85
8	BNE	Brisbane	AU	7354	84.02%	0.83%	19.61
9	XIY	Xi'an Xianyang	CN	12716	84.01%	1.95%	21.29
10	TXL	Tegel	DE	6327	83.89%	0.92%	19.47

Source: VariFlight

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

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

Global Medium-sized Airports

Mohammed V International (CMN) delivers the best on time performance among all medium-sized airports worldwide with 94.44 percent punctuality and an average delay of 7.99 minutes.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	CMN	Mohammed V International	MA	3014	94.44%	1.03%	7.99
2	ITM	Itami	JP	5832	93.94%	0.08%	12.91
3	POA	Porto Alegre	BR	2454	92.94%	0.46%	11.26
4	KOJ	Kagoshima	JP	2900	92.48%	0.13%	14.25
5	BEY	Beirut	LB	2119	92.32%	0.68%	12.59

6	KHH	Kaohsiung	TW, CN	2178	92.23%	0.24%	11.56
7	NGO	Nagoya	JP	4229	91.75%	0.53%	15.23
8	AMM	Amman Queen Alia	JO	2404	91.54%	1.13%	14.48
9	ADL	Adelaide	AU	3019	91.54%	0.82%	13.88
10	SDJ	Sendai	JP	2095	91.45%	0.30%	13.47

Source: VariFlight

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

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

Asia-Pacific----Major Airports

New Chitose (CTS) ranks first of all major airports in Asia-Pacific region with an on-time departure rate of 88.31 percent. In mainland China, Xi'an Xianyang International Airport (XIY) ranks fifth (84.01 percent).

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	6443	88.31%	0.36%	12.41
2	HND	Haneda	JP	19043	87.50%	0.35%	19.84
3	KIX	Osaka	JP	6805	85.67%	0.80%	18.97
4	BNE	Brisbane	AU	7354	84.02%	0.83%	19.61
5	XIY	Xi'an Xianyang	CN	12716	84.01%	1.95%	21.29
6	URC	Urumqi Diwopu	CN	6523	82.21%	7.08%	34.29
7	MEL	Melbourne	AU	9094	82.07%	1.08%	22.12
8	SHA	Shanghai Hongqiao	CN	9816	81.69%	2.80%	22.70
9	CKG	Chongqing Jiangbei	CN	11620	80.92%	2.94%	21.88
10	FUK	Fukuoka	JP	7506	80.49%	0.56%	21.11
11	SYD	Sydney Kingsford Smith	AU	12143	79.85%	0.76%	22.83
12	PVG	Shanghai Pudong	CN	17919	78.94%	1.95%	25.29
13	AKL	Auckland	NZ	6443	78.92%	0.96%	22.75
14	SZX	Shenzhen Bao'an	CN	12851	78.65%	2.43%	25.01
15	TAO	Qingdao Liuting	CN	6886	75.47%	2.44%	25.26
16	CTU	Chengdu Shuangliu	CN	13660	75.46%	2.57%	27.55
17	CSX	Changsha Huanghua	CN	7279	74.57%	4.80%	27.71
18	CAN	Guangzhou Baiyun	CN	18346	74.12%	2.37%	27.24

19	WUH	Wuhan Tianhe	CN	7207	73.55%	3.64%	27.48
20	CGO	Zhengzhou Xinzheng	CN	8502	73.37%	4.12%	28.31

Source: VariFlight

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

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

Asia-Pacific----Medium-sized Airports

Itami Airport (ITM) ranks first among medium-sized airports in the Asia-Pacific region with an on-time departure rate of 93.94 percent. In mainland China, Yinchuan Hedong Airport (INC) is recognized as tenth with an on-time performance of 86.12 percent.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	ITM	Itami	JP	5832	93.94%	0.08%	12.91
2	KOJ	Kagoshima	JP	2900	92.48%	0.13%	14.25
3	KHH	Kaohsiung	TW, CN	2178	92.23%	0.24%	11.56
4	NGO	Nagoya	JP	4229	91.75%	0.53%	15.23
5	ADL	Adelaide	AU	3019	91.54%	0.82%	13.88
6	SDJ	Sendai	JP	2095	91.45%	0.30%	13.47
7	TSA	Taipei Songshan	TW, CN	2012	89.85%	0.46%	15.82
8	PER	Perth	AU	3933	89.46%	0.93%	16.84
9	PUS	Busan	KR	4298	86.17%	0.70%	18.18
10	INC	Yinchuan Hedong	CN	2649	86.12%	2.31%	17.21
11	WLG	Wellington	NZ	3071	85.13%	0.92%	18.53
12	CHC	Christchurch	NZ	2882	83.41%	0.48%	18.40
13	CNX	Chiang Mai	TH	3145	82.71%	0.96%	17.63
14	DLC	Dalian Zhoushuizi	CN	5315	80.02%	3.96%	23.01
15	LJG	Lijiang Sanyi	CN	2220	79.59%	4.64%	23.13
16	REP	Angkor	KH	2042	79.43%	1.28%	20.49
17	HRB	Harbin Taiping	CN	5937	78.58%	3.68%	25.86
18	TNA	Jinan Yaoqiang	CN	5005	78.29%	3.42%	24.19
19	TYN	Taiyuan Wusu	CN	4490	77.92%	3.97%	26.15
20	OKA	Naha	JP	5809	76.97%	0.34%	21.92

Source: VariFlight

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

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

Xi'an Xianyang (XIY), Urumqi Diwopu (URC) and Shanghai Hongqiao (SHA) are the best three airports for on-time departure performance (84.01%, 82.21% and 81.69%) 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	XIY	Xi'an Xianyang	12716	84.01%	1.95%	21.29
2	URC	Urumqi Diwopu	6523	82.21%	7.08%	34.29
3	SHA	Shanghai Hongqiao	9816	81.69%	2.80%	22.70
4	CKG	Chongqing Jiangbei	11620	80.92%	2.94%	21.88
5	DLC	Dalian Zhoushuizi	5315	80.02%	3.96%	23.01
6	PVG	Shanghai Pudong	17919	78.94%	1.95%	25.29
7	SZX	Shenzhen Bao'an	12851	78.65%	2.43%	25.01
8	HRB	Harbin Taiping	5937	78.58%	3.68%	25.86
9	TNA	Jinan Yaoqiang	5005	78.29%	3.42%	24.19
10	TAO	Qingdao Liuting	6886	75.47%	2.44%	25.26
11	CTU	Chengdu Shuangliu	13660	75.46%	2.57%	27.55
12	CSX	Changsha Huanghua	7279	74.57%	4.80%	27.71
13	CAN	Guangzhou Baiyun	18346	74.12%	2.37%	27.24
14	LHW	Lanzhou Zhongchuan	4581	73.58%	4.61%	28.13
15	WUH	Wuhan Tianhe	7207	73.55%	3.64%	27.48
16	CGO	Zhengzhou Xinzheng	8502	73.37%	4.12%	28.31
17	PEK	Beijing Capital	22727	72.74%	2.64%	28.29
18	SHE	Shenyang Taoxian	5520	71.49%	4.01%	30.47
19	TSN	Tianjin Binhai	6590	71.05%	6.61%	33.14
20	SYX	Sanya Phoenix	5059	68.85%	5.05%	32.67
21	NKG	Nanjing Lukou	8062	68.41%	4.91%	34.71
22	HAK	Haikou Meilan	7560	67.32%	5.36%	34.89
23	KWE	Guiyang Longdongbao	6281	67.24%	4.96%	33.06
24	HGH	Hangzhou Xiaoshan	10158	67.11%	5.85%	36.98
25	KMG	Kunming Changshui	14656	61.92%	7.94%	43.19
26	FOC	Fuzhou Changle	4661	59.00%	5.84%	39.56
27	XMN	Xiamen Gaoqi	7885	54.58%	4.93%	40.15

28	NNG	Nanning Wuxu	4551	53.53%	12.01%	51.62

Source: VariFlight

Figure 5: China's airports on-time departure performance (airports with a capacity of over 10 million passengers, February, 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 Yinchuan Hedong (INC), Xining Caojiapu (XNN) and Lijiang Sanyi (LIG), respectively with on-time departure rates of 86.12 percent, 84.68 percent and 79.59 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	INC	Yinchuan Hedong	2649	86.12%	2.31%	17.21
2	XNN	Xining Caojiapu	1528	84.68%	2.82%	17.96
3	LJG	Lijiang Sanyi	2220	79.59%	4.64%	23.13
4	TYN	Taiyuan Wusu	4490	77.92%	3.97%	26.15
5	NAY	Beijing Nanyuan	1762	77.67%	3.75%	22.43
6	KWL	Guilin Liangjiang	2554	76.24%	2.90%	23.08
7	SJW	Shijiazhuang Zhengding	3447	74.23%	4.14%	27.55
8	ZUH	Zhuhai Jinwan	3250	74.01%	2.68%	26.01
9	HET	Hohhot Baita	3578	73.13%	3.54%	27.74
10	CGQ	Changchun Longjia	3677	71.76%	6.29%	34.21
11	MIG	Mianyang Nanjiao	880	68.71%	5.80%	31.90
12	JHG	Xishuangbanna	1452	68.30%	6.13%	33.80
13	LXA	Lhasa Kongga	1205	67.19%	9.49%	41.16
14	NGB	Ningbo Lishe	3195	66.33%	4.10%	31.28
15	YNT	Yantai Penglai	2767	64.02%	5.30%	35.60
16	WUX	Sunan Shuofang	1958	61.69%	3.86%	32.78
17	HFE	Hefei Xinqiao	3844	61.59%	6.33%	37.79
18	KHN	Nanchang Changbei	5146	60.92%	8.24%	42.64
19	WNZ	Wenzhou Longwan	3566	59.85%	4.92%	37.54
20	SWA	Jieyang Chaoshan	2160	57.60%	8.06%	41.58
21	JJN	QUANZHOU JINJIANG	2353	53.83%	9.80%	46.19

Source: VariFlight

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

Worst-affected airports under extreme weather conditions

In February, Kunming Changshui International Airport suffers the most from severe weathers, a record of 32 hours in total. Urumqi Diwopu International Airport, Hangzhou Xiaoshan International Airport, Ningbo Lishe International Airport and Nanjing Lukou International Airport have also been affected for 21 hours, 19 hours, 14 hours and 14 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
KMG	Kunming Changshui	32	61.92%	29.59%	65.86%
URC	Urumqi Diwopu	21	82.21%	23.24%	85.57%
HGH	Hangzhou Xiaoshan	19	67.11%	34.04%	69.29%
NGB	Ningbo Lishe	14	66.33%	48.48%	67.70%
NKG	Nanjing Lukou	14	68.41%	28.30%	70.22%

Source: VariFlight

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

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February, 2018 *Airport On-time Departure Performance*

Notes for editors

Period: Feb 1- Feb 28, 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<30mins
On-time departure rate: On-time Departure Flights/Actual Departure Flights * 100%
On-time arrival rate: On-time Arrival Flights/Actual Arrival Flights * 100%
Average departure delay time: Total Departure Delay Time/ 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: Total Arrival Delay Time/ 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.