

Airport On-time Departure Performance (Sept. 2017)

Powered by VariFlight incomparable aviation database, the monthly report of *Airport On-time Departure Performance* provides an overview of how global airports are performing every month in 2017.

Global Hubs

New Chitose Airport (CTS) tops the large airports chart in September with an on-time departure rate of 95.67 percent and an average delay of 8.14 minutes.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	8107	95.67%	0.40%	8.14
2	ITM	Itami	JP	8513	94.98%	0.08%	13.10
3	HNL	Honolulu	US	6778	92.94%	0.77%	15.16
4	HEL	Helsinki-Vantaa	FI	8899	91.22%	0.44%	14.21
5	OSL	Oslo	NO	11618	88.60%	0.64%	16.51
6	BLR	Bengaluru	IN	7659	88.56%	1.38%	16.32
7	STL	Lambert-St. Louis	US	8536	88.23%	1.50%	17.06
8	YYC	Calgary	CA	9692	88.17%	1.27%	17.37
9	HND	Haneda	JP	20689	87.78%	0.37%	20.32
10	FUK	Fukuoka	JP	9043	87.76%	0.31%	18.00

Source: VariFlight

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

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

Global Medium-sized Airports

Sendai Airport (SDJ) delivers the best on time performance among all medium-sized airports worldwide with 96.11 percent punctuality and an average delay of 11.03 minutes.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	SDJ	Sendai	JP	2926	96.11%	0.15%	11.03
2	OGG	Kahului	US	3020	95.28%	0.38%	7.77
3	TRD	Trondheim	NO	2679	93.99%	0.26%	9.27
4	KHH	Kaohsiung	TW,CN	2147	93.48%	0.92%	12.21
5	KOJ	Kagoshima	JP	3789	92.76%	0.42%	15.28
6	KMI	Miyazaki	JP	2259	92.59%	0.00%	13.60
7	SVG	Stavanger	NO	2444	92.52%	0.50%	11.13
8	YWG	Winnipeg	CA	3139	91.96%	1.02%	11.30
9	BGO	Bergen	NO	3373	91.76%	0.31%	11.72

10	OMA	Eppley Airfield	US	2784	91.57%	1.22%	14.86
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Source: VariFlight

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

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

Asia-Pacific----Major Airports

New Chitose Airport (CTS) ranks first of all major airports in Asia-Pacific region with an on-time departure rate of 95.67 percent. In mainland China, Urumqi Diwopu International Airport (URC) ranks fifth (87.43 percent).

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	8107	95.67%	0.40%	8.14
2	ITM	Itami	JP	8513	94.98%	0.08%	13.10
3	HND	Haneda	JP	20689	87.78%	0.37%	20.32
4	FUK	Fukuoka	JP	9043	87.76%	0.31%	18.00
5	URC	Urumqi Diwopu	CN	7647	87.43%	1.84%	17.04
6	AKL	Oakland	NZ	7208	87.04%	0.98%	18.08
7	KIX	Kansai	JP	7264	86.90%	1.29%	19.74
8	GMP	Gimpo	KR	6212	86.48%	0.31%	20.39
9	DMK	Don Mueang	TH	10357	86.32%	0.69%	18.92
10	BNE	Brisbane	AU	8831	85.46%	1.55%	19.55
11	BKK	Suvarnabhumi	TH	14179	79.62%	1.37%	23.12
12	SGN	Tan Son Nhat	VN	8454	78.05%	1.42%	23.29
13	SIN	Singapore Changi	SG	14721	77.78%	1.23%	25.27
14	DLC	Dalian Zhoushuizi	CN	6280	77.70%	2.54%	22.72
15	MEL	Melbourne	AU	10402	77.30%	1.55%	23.89
16	TPE	Taiwan Taoyuan	TW,CN	9149	77.15%	1.25%	25.37
17	SUB	Banda Udara	ID	6387	76.09%	2.60%	24.17
18	CJU	Jeju	KR	7708	74.82%	1.18%	25.56
19	SYD	Sydney Kingsford Smith	AU	13523	74.71%	1.53%	26.54
20	OKA	Naha	JP	6473	73.56%	0.91%	24.76

Source: VariFlight

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

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

Asia-Pacific----Medium-sized Airports

Sendai Airport (SDJ) ranks first among medium-sized airports in the Asia-Pacific region with an on-time departure rate of 96.11 percent. And in mainland China, Xining Caojiapu Airport (XNN) is recognized as sixteenth with an on-time performance of 82.05 percent.

Ranking	IATA Code	Airports	Country	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	SDJ	Sendai	JP	2926	96.11%	0.15%	11.03
2	KHH	Kaohsiung	TW,CN	2147	93.48%	0.92%	12.21
3	KOJ	Kagoshima	JP	3789	92.76%	0.42%	15.28
4	KMI	Miyazaki	JP	2259	92.59%	0.00%	13.60
5	CNX	Chiang Mai	TH	3065	91.44%	1.15%	11.59
6	CHC	Christchurch	NZ	4149	91.44%	0.15%	12.99
7	NGO	Central Japan	JP	5333	90.36%	0.82%	16.64
8	WLG	Wellington	NZ	4040	89.51%	0.37%	13.97
9	TSA	Taipei Songshan	TW,CN	2079	89.32%	0.72%	16.46
10	HKT	Phuket	TH	4257	88.63%	0.92%	12.79
11	PUS	Busan	KR	4590	88.21%	0.44%	17.02
12	CBR	Canberra	AU	2008	86.85%	1.56%	15.69
13	PER	Perth	AU	4857	85.74%	1.46%	19.13
14	ADL	Adelaide	AU	3608	85.41%	1.05%	17.68
15	CNS	Cairns	AU	2180	84.69%	1.64%	18.31
16	XNN	Xining Caojiapu	CN	2278	82.05%	3.29%	19.96
17	HAN	Noi Bai	VN	5790	80.13%	1.47%	22.51
18	PEN	Penang	MY	2449	77.01%	3.02%	23.69
19	INC	Yinchuan Hedong	CN	3080	76.73%	3.52%	25.42
20	HET	Hohhot Baita	CN	4280	75.96%	4.61%	28.96

Source: VariFlight

Figure 4: TOP20 best airports in Asia-Pacific for on-time departures (Medium-sized airports, September, 2017)

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

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

Urumqi Diwopu (URC), Dalian Zhoushuizi (DLC) and Jinan Yaoqiang (TNA) are the best three airports for on-time departure performance (87.43%, 77.70% and 73.70%) 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	URC	Urumqi Diwopu	7647	87.43%	1.84%	17.04
2	DLC	Dalian Zhoushuizi	6280	77.70%	2.54%	22.72
3	TNA	Jinan Yaoqiang	4783	73.70%	3.32%	25.38
4	CKG	Chongqing Jiangbei	11645	72.34%	4.31%	29.61
5	CGO	Zhengzhou Xinzheng	8127	69.04%	6.60%	34.05
6	TSN	Tianjin Binhai	7038	68.26%	6.53%	34.69
7	LHW	Lanzhou Zhongchuan	4639	68.19%	4.97%	31.76
8	XIY	Xi'an Xianyang	13746	67.98%	4.02%	32.28
9	CSX	Changsha Huanghua	7514	67.79%	6.06%	32.52
10	TAO	Qingdao Liuting	7599	67.54%	3.07%	30.49
11	KMG	Kunming Changshui	14532	66.60%	4.08%	33.16
12	HRB	Harbin Taiping	5639	65.94%	5.84%	36.07
13	WUH	Wuhan Tianhe	7285	65.59%	7.34%	36.06
14	KWE	Guiyang Longdongbao	6371	63.75%	5.85%	35.40
15	HAK	Haikou Meilan	6090	63.67%	7.48%	38.03
16	CTU	Chengdu Shuangliu	13604	63.64%	4.70%	35.79
17	SHA	Shanghai Hongqiao	10907	62.03%	6.21%	39.02
18	SHE	Shenyang Taoxian	5314	61.43%	8.10%	41.41
19	PEK	Beijing Capital	24780	60.22%	3.24%	34.82
20	SZX	Shenyang Taoxian	13096	59.90%	8.18%	42.94
21	CAN	Guangzhou Baiyun	18659	59.90%	4.94%	38.30
22	SYX	Sanya Phoenix	4517	59.48%	9.95%	45.67
23	FOC	Fuzhou Changle	3962	57.33%	6.18%	40.48
24	NKG	Nanjing Lukou	8329	56.15%	6.97%	42.67
25	PVG	Shanghai Pudong	18736	55.89%	6.12%	43.33
26	HGH	Hangzhou Xiaoshan	10536	54.52%	8.16%	46.03
27	NNG	Nanning Wuxu	4523	48.25%	12.02%	54.24
28	XMN	Xiamen Gaoqi	6931	47.59%	7.50%	47.51

Source: VariFlight

Figure 5: China's airports on-time departure performance (airports with a capacity of over 10 million passengers, September, 2017)

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

In regard to the airports with a capacity of over 2 million passengers, the supreme

three are Xishuangbanna Gasa (JHG), Xining Caojiapu (XNN) and Yinchuan Hedong (INC), respectively with on-time departure rates of 83.15 percent, 82.05 percent and 76.73 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	Delay Over 2h	Average Departure Delay (minutes)
1	JHG	Xishuangbanna	1199	83.15%	1.92%	16.69
2	XNN	Xining Caojiapu	2278	82.05%	3.29%	19.96
3	INC	Yinchuan Hedong	3080	76.73%	3.52%	25.42
4	HET	Hohhot Baita	4280	75.96%	4.61%	28.96
5	LJG	Lijiang Sanyi	2423	73.90%	5.16%	28.41
6	KWL	Guilin Liangjiang	2721	68.64%	7.17%	33.98
7	NAY	Beijing Nanyuan	1830	67.78%	3.61%	29.08
8	TYN	Taiyuan Wusu	4366	66.77%	6.06%	35.75
9	CGQ	Changchun Longjia	3567	65.37%	9.05%	38.25
10	YNT	Yantai Penglai	2864	62.32%	6.62%	36.64
11	LXA	Lhasa Kongga	1504	61.48%	14.44%	48.62
12	KHN	Nanchang Changbei	4427	59.51%	5.88%	38.65
13	NGB	Ningbo Lishe	3006	58.77%	6.37%	39.40
14	SWA	Jieyang Chaoshan	1604	58.66%	8.69%	40.79
15	HFE	Hefei Xinqiao	3071	57.54%	6.75%	40.45
16	SJW	Shijiazhuang Zhengding	3360	53.44%	9.69%	48.14
17	JJN	QUANZHOU JINJIANG	1760	52.67%	11.41%	49.71
18	WNZ	Wenzhou Longwan	2975	52.25%	6.67%	42.68
19	ZUH	Zhuhai Jinwan	3143	48.20%	10.35%	51.76
20	WUX	Wuxi Shuofang	2125	47.72%	10.11%	51.33
21	MIG	Mianyang Nanjiao	1266	42.81%	10.43%	53.52

Source: VariFlight

Figure 6: China's airports on-time departure performance (airports with a capacity of over 2 million passengers, September, 2017)

Worst-affected airports under extreme weather conditions

In September, Hangzhou Xiaoshan International Airport suffers the most from severe weathers, a record of 87 hours in total. Shijiazhuang Zhengding International Airport, Nanjing Lukou International Airport, Xi'an Xianyang International Airport and Chengdu Shuangliu International Airport are also being affected for 71 hours, 62 hours, 31 hours and 25 hours respectively.

IATA Code	Airports	Affected Time	General Flight On-time Release Rate	On-time Release Rate under severe weather	On-time Release Rate without being affected
HGH	Hangzhou Xiaoshan	87	54.52%	37.38%	59.13%
SJW	Shijiazhuang Zhengding	71	53.44%	32.99%	58.14%
NKG	Nanjing Lukou	62	56.15%	43.25%	58.54%
XIY	Xi'an Xianyang	31	67.98%	42.20%	70.73%
CTU	Chengdu Shuangliu	25	63.64%	42.12%	65.63%

Source: VariFlight

Figure 7: China's worst-affected airports for flight on-time release rate (September, 2017)

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September, 2017 *Airport On-time Departure Performance*

Notes for editors

Period: Sep 1- Sep 30, 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.

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%

Flight on-time release rate: On-time Departure Flights/ Actual Departure 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.