

Airport On-time Departure Performance (May 2018, by VariFlight)

XIY Becomes the Most Punctual Airport with a Capacity of Over 10

Million Passengers in Mainland China in May

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 May, 2018.

- New Chitose (CTS) tops the global airports chart of on-time departure performance in May decreased by 0.86 percent YoY.
- Lijiang Sanyi (LJG) is recognized as thirteenth among medium-sized airports in Asia-Pacific region with an on-time performance of 82.76 percent in May, being the most punctual medium-sized airport in mainland China for three consecutive months.
- Xi'an Xianyang (XIY) becomes the most punctual airport in May among airports with a capacity of over 10 million passengers in mainland China; Shanghai Pudong (PVG), Shanghai Hongqiao (SHA) and Beijing Capital (PEK) witness the most obvious YoY growth in OTP.
- Zhengzhou Xinzheng (CGO) suffers the most from severe weather for 25 hours in May.

Global Hubs

CTS Tops the OTP Chart with a 0.86 Percent YoY Decrease

New Chitose (CTS) ranks first among global hubs in May with an on-time departure rate of 96.87 percent, showing a 0.55 percent MoM decrease and a 0.86 percent YoY decrease, followed successively by Itami (ITM) and Sheremetyevo (SVO). Four airports ascend in the TOP10 OTP chart in Japan, which is also the only Asian country on the list.

Ranking	IATA Code	Airports	Country/Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	6831	96.87%	5.01
2	ITM	Itami	JP	6015	96.29%	11.31
3	SVO	Sheremetyevo	RU	14323	92.87%	15.62
4	HND	Haneda	JP	21287	91.38%	17.55
5	YYC	Calgary	CA	7857	90.96%	14.90
6	LED	Pulkovo	RU	6399	90.90%	15.35

7	VKO	Vnukovo	RU	6620	90.57%	16.69
8	FUK	Fukuoka	JP	8131	90.33%	16.27
9	HEL	Helsinki-Vantaa	FI	7906	89.80%	15.25
10	PDX	Portland	US	8063	89.74%	15.16

Source: VariFlight

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

Global Medium-sized Airports

SDJ Becomes the Most Punctual Medium-sized Airport

In May, Sendai (SDJ) ranks first with a punctuality of 97.20 percent and an average delay of 9.37 minutes among all global medium-sizes airports, showing a MoM increase of 1.14 percent and a YoY increase of 0.31 percent. Nagoya (NGO) is the only airport on the TOP 10 list with over 4,000 flight departures.

Ranking	IATA Code	Airports	Country/Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	SDJ	Sendai	JP	2226	97.20%	9.37
2	KOJ	Kagoshima	JP	3205	94.41%	13.43
3	TFN	Tenerife	ES	3031	94.00%	10.39
4	NGO	Nagoya	JP	4319	93.96%	14.19
5	KHH	Kaohsiung	TW	2549	93.90%	10.88
6	CMN	Mohammed V International	MA	3072	93.01%	10.73
7	SHJ	Sharjah	AE	3047	92.30%	13.44
8	TRD	Trondheim	NO	2077	92.24%	10.98
9	MZG	Magong	TW	2250	92.09%	12.61
10	BGO	Bergen	NO	2934	92.01%	11.17

Source: VariFlight

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

Asia-Pacific---Major Airports

Japanese Airports Hold the Lead and Five Chinese Airports Ascend in the TOP20 List

Japanese airports still hold the lead of the TOP 20 OTP chart, among which New Chitose (CTS) is delivered the first of all major airports in Asia-Pacific region (96.87 percent). In mainland China, five airports make it to the ranking list, and Xi'an Xianyang (XIY) ranks twelfth (81.67 percent). Naha (OKA), Kunming Changshui (KMG) and Xi'an Xianyang (XIY) witness the most obvious YoY growth in on-time performance, which are 11.08 percent, 6.70 percent and 5.11 percent respectively.

Ranking	IATA Code	Airports	Country/Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	CTS	New Chitose	JP	6831	96.87%	5.01
2	ITM	Itami	JP	6015	96.29%	11.31
3	HND	Haneda	JP	21287	91.38%	17.55
4	FUK	Fukuoka	JP	8131	90.33%	16.27
5	BNE	Brisbane	AU	7848	88.03%	17.60
6	KIX	Osaka	JP	7556	87.22%	19.19
7	OKA	Naha	JP	6166	86.25%	17.06
8	BKK	Suvarnabhumi	TH	14838	84.18%	19.89
9	GMP	Gimpo	KR	6354	83.00%	21.90
10	AKL	Auckland	NZ	6520	82.36%	20.78
11	MEL	Melbourne	AU	9606	82.07%	21.28
12	XIY	Xi'an Xianyang	CN	13942	81.67%	23.58
13	URC	Urumqi Diwopu	CN	7373	81.10%	22.15
14	KMG	Kunming Changshui	CN	15265	81.03%	25.85
15	SYD	Sydney Kingsford Smith	AU	12985	78.79%	23.81
16	SIN	Singapore Changi	SG	15551	78.43%	24.61
17	HAN	Noi Bai	VN	6593	77.15%	24.36
18	TPE	Taiwan Taoyuan	TW	9647	76.92%	23.16
19	CTU	Chengdu Shuangliu	CN	14338	74.74%	32.75
20	HAK	Haikou Meilan	CN	6331	74.03%	30.75

Source: VariFlight

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

Asia-Pacific---Medium-Sized Airports

LJG Tops the Medium-Sized Airports in Mainland China

Sendai (SDJ) ranks first of the TOP 20 list with an on-time departure rate of 97.20 percent; in mainland China, Lijiang Sanyi (LJG) is recognized as thirteenth with an on-time performance of 82.76 percent, having been the most punctual medium-sized airport in mainland China for three consecutive months.

Ranking	IATA Code	Airports	Country/Region	Flight Departures	On-time Departure Performance	Average Departure Delay (minutes)
1	SDJ	Sendai	JP	2226	97.20%	9.37
2	KOJ	Kagoshima	JP	3205	94.41%	13.43
3	NGO	Nagoya	JP	4319	93.96%	14.19
4	KHH	Kaohsiung	TW	2549	93.90%	10.88

5	MZG	Magong	TW	2250	92.09%	12.61
6	CNX	Chiang Mai	TH	3062	90.94%	12.69
7	ADL	Adelaide	AU	3201	90.83%	14.69
8	TSA	Taipei Songshan	TW	2512	90.66%	14.89
9	PER	Perth	AU	4034	89.90%	16.19
10	CHC	Christchurch	NZ	2773	89.21%	14.56
11	WLG	Wellington	NZ	3394	87.85%	15.62
12	HKT	Phuket	TH	4903	85.62%	17.51
13	LJG	Lijiang Sanyi	CN	2426	82.76%	22.39
14	XNN	Xining Caojiapu	CN	2437	82.59%	20.79
15	PUS	Busan	KR	4781	81.91%	20.93
16	BPN	Sepinggan	ID	2367	81.13%	17.96
17	BKI	Sabah	MY	2948	79.82%	20.23
18	INC	Yinchuan Hedong	CN	3189	79.22%	23.26
19	LHW	Lanzhou Zhongchuan	CN	4472	78.45%	23.28
20	PEN	Penang	MY	2588	77.37%	19.54

Source: VariFlight

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

Mainland China---Airports with a Capacity over 10 Million Passengers

XIY Tops the List and PVG Shows the Largest YoY Growth

Xi'an Xianyang (XIY) ranks first of the airports with a capacity of over 10 million passengers in mainland China for its on-time departure performance of 81.67 percent in May, followed by Urumqi Diwopu (URC) and Kunming Changshui (KMG). Compared with last year, punctualities in Shanghai Pudong (PVG), Shanghai Hongqiao (SHA) and Beijing Capital (PEK) rise obviously in May, respectively are 23.90 percent, 22.78 percent and 19.57 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	YoY	Average Departure Delay (minutes)
1	XIY	Xi'an Xianyang	13942	81.67%	5.11%	23.58
2	URC	Urumqi Diwopu	7373	81.10%	3.72%	22.15
3	KMG	Kunming Changshui	15265	81.03%	6.70%	25.85
4	LHW	Lanzhou Zhongchuan	4472	78.45%	-1.45%	23.28
5	TNA	Jinan Yaoqiang	5169	76.93%	5.17%	27.45
6	DLC	Dalian Zhoushuizi	5819	75.31%	-1.16%	34.54
7	KHN	Nanchang Changbei	4238	74.76%	4.51%	30.42
8	HET	Hohhot Baita	4359	74.75%	4.49%	27.67
9	CTU	Chengdu Shuangliu	14338	74.74%	-0.85%	32.75

10	HAK	Haikou Meilan	6331	74.03%	3.82%	30.75
11	SHA	Shanghai Hongqiao	11265	73.78%	22.78%	30.62
12	HRB	Harbin Taiping	6018	73.44%	3.84%	29.44
13	CKG	Chongqing Jiangbei	12175	73.07%	-0.65%	31.88
14	WUH	Wuhan Tianhe	7667	72.41%	0.92%	31.48
15	PVG	Shanghai Pudong	19320	71.23%	23.90%	34.45
16	CSX	Changsha Huanghua	7669	70.27%	1.71%	34.47
17	NNG	Nanning Wuxu	4440	70.21%	8.88%	31.72
18	KWE	Guiyang Longdongbao	6413	70.18%	0.73%	33.30
19	CGO	Zhengzhou Xinzheng	8130	69.23%	-4.82%	36.71
20	CGQ	Changchun Longjia	3715	69.18%	8.08%	35.17
21	TYN	Taiyuan Wusu	4233	69.11%	-0.74%	36.06
22	SZX	Shenzhen Bao'an	13785	69.07%	9.68%	39.84
23	SYX	Sanya Phoenix	4769	68.72%	2.82%	36.06
24	CAN	Guangzhou Baiyun	18846	68.59%	9.41%	37.93
25	PEK	Beijing Capital	25002	67.69%	19.57%	32.53
26	FOC	Fuzhou Changle	4606	67.28%	6.69%	35.98
27	TSN	Tianjin Binhai	6949	66.35%	4.16%	39.91
28	HGH	Hangzhou Xiaoshan	10783	66.07%	13.73%	40.99
29	SHE	Shenyang Taoxian	5540	65.04%	-1.68%	39.32
30	NKG	Nanjing Lukou	8644	61.94%	9.92%	46.29
31	TAO	Qingdao Liuting	7741	60.47%	-3.88%	37.52
32	XMN	Xiamen Gaoqi	7909	58.71%	4.37%	42.05

Source: VariFlight

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

Mainland China---Airports with a Capacity of 2 Million to 10 Million Passengers HLD Tops the List and ZUH Enjoy the Fast Growth

Regarding airports with a capacity of 2 million to 10 million passengers, Top 3 are Hulun Buir Dongshan (HLD), Xishuangbanna (JHG) and Kashgar (KHG). Compared with March, punctualities in Zhuhai Jinwan (ZUH), Mianyang Nanjiao (MIG) and Ningbo Lishe (NGB) rise rapidly in May, respectively are 19.96 percent, 18.49 percent and 11.79 percent.

Ranking	IATA Code	Airports	Flight Departures	On-time Departure Performance	YoY	Average Departure Delay (minutes)
1	HLD	Hulun Buir Dongshan	688	91.37%	6.07%	11.69
2	JHG	Xishuangbanna	1520	86.28%	-5.66%	16.81
3	KHG	Kashgar	662	85.48%	8.96%	19.02

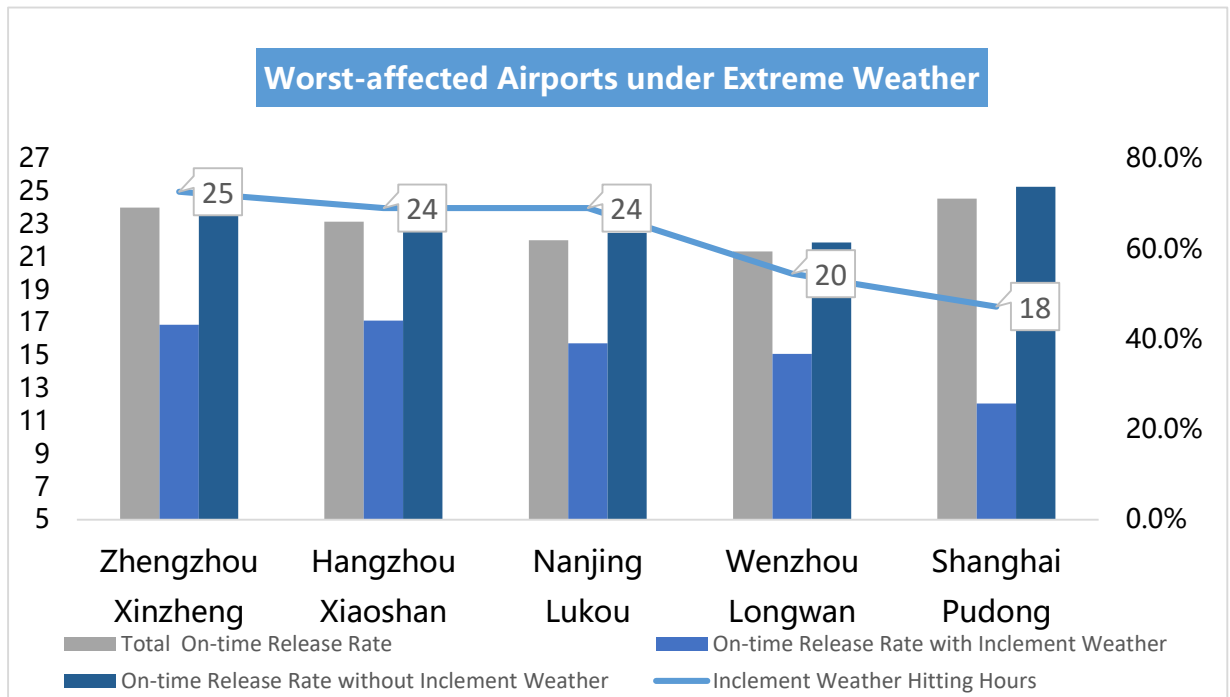
4	LJG	Lijiang Sanyi	2426	82.76%	2.77%	22.39
5	XNN	Xining Caojiapu	2437	82.59%	-1.31%	20.79
6	INC	Yinchuan Hedong	3189	79.22%	1.43%	23.26
7	LXA	Lhasa Kongga	1692	76.57%	-2.40%	25.63
8	DSN	Ordos	877	76.57%	-4.18%	24.99
9	YIH	Yichang Sanxia	909	75.69%	-5.76%	25.74
10	ZHA	ZhanJiang	996	74.85%	5.80%	26.98
11	BAV	Baotou Erliban	638	73.90%	5.68%	28.73
12	KWL	Guilin Liangjiang	3127	70.00%	2.29%	33.05
13	ZUH	Zhuhai Jinwan	3559	68.39%	19.96%	37.62
14	NAY	Beijing Nanyuan	1837	67.94%	6.65%	29.97
15	SWA	Jieyang Chaoshan	2076	65.14%	-2.87%	37.99
16	SJW	Shijiazhuang Zhengding	3530	63.09%	-3.01%	39.26
17	NGB	Ningbo Lishe	3477	62.82%	11.79%	39.12
18	WEH	WeiHai	846	62.80%	-5.65%	34.09
19	HFE	Hefei Xinqiao	3386	59.80%	-3.61%	45.34
20	WNZ	Wenzhou Longwan	3485	59.48%	-0.72%	41.12
21	JJN	QUANZHOU JINJIANG	2396	54.51%	-4.90%	45.80
22	YNT	Yantai Penglai	3156	53.05%	-15.25%	46.56
23	WUX	Sunan Shuofang	2290	51.97%	9.96%	48.52
24	NTG	Nantong Xingdong	1074	42.59%	-0.56%	57.54
25	MIG	Mianyang Nanjiao	1481	40.68%	18.49%	59.11
26	CZX	Changzhou Benniu	1147	39.49%	-2.47%	60.62

Source: VariFlight

Figure 6: China's airports on-time departure performance (airports with a capacity of 2 million to 10 million passengers, May, 2018)

Worst-Affected Airports under Severe Weather CGO Suffers the Most from Severe Weather

In May, Zhengzhou Xinzheng (CGO) suffers the most from severe weather for 25 hours, followed by Hangzhou Xiaoshan (HGH) and Nanjing Lukou (NKG), which are both affected by 24h severe weather. Among TOP 5 airports, Hangzhou Xiaoshan (HGH) and Wenzhou Longwan (WNZ) are the airports affected again by severe weather after April.



Source: VariFlight

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

Notes for editors

Period: May 1- May 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<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.)

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.