



Misawa Air Base Climatology Pamphlet 2010

Prepared by the 35 OSS Weather Flight

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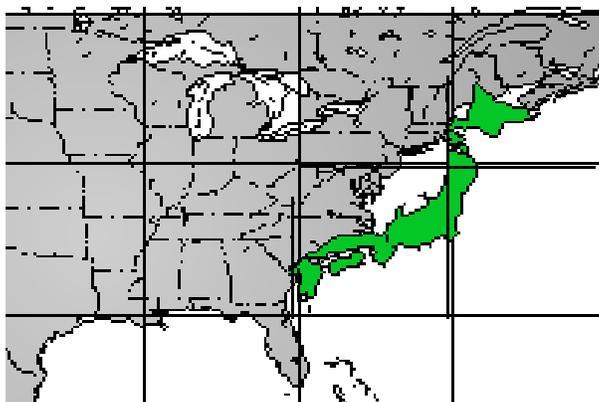
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MISAWA'S LOCATION

Misawa Air Base is located at 40.2N 141.22E, near the northern tip of Honshu, the largest of the Japanese Islands. North of Misawa by 52 miles is the northern shore of Honshu and the Tsugaru Strait. 68 miles west of Misawa is the Sea of Japan, and 3 miles east is the Pacific Ocean. Misawa is located on a small coastal plain with a field elevation of 119 feet. The orientation of the northern portion of the Japan Alps ridgeline is south-southwest to north-northwest, and plays a significant role in determining the local weather.

As shown in the comparison map below, the northern tip of Hokkaido down to the southern tip of Kyushu spans nearly the same distance as most of the eastern coast. A zoomed in look at the map shows that Misawa is located approximately at the same latitude as New York City, Philadelphia, and Chicago. However, the topographical differences and close proximity to large bodies of water account for the differences in weather between Misawa and these cities.



MISAWA WEATHER FACTS

- Maximum rainfall in 24 hours was 7.07 inches in September 2001.
- Maximum monthly precipitation (all types) was 17.28 inches in September 1958.
- Maximum yearly precipitation (liquid equivalent (all types)) was 67.87 inches in 1958.
- Maximum snowfall in 24 hours was 43.1 inches in March 1952.
- Maximum monthly snowfall was 117.1 inches in January 1960.
- Maximum seasonal snowfall was 240.5 inches during the winter of 1983 to 1984.
- First snowfall is usually near 7 November.
- First measurable snowfall is usually around 17 November.
- First measurable snow depth is usually around 25 November.
- Last measurable snowfall is around 5 April.
- Last snowfall is usually around 15 April.
- Maximum recorded wind speed was 82 knots (94mph) September 1991.
- Maximum temperature on record is 97°F and occurred most recently in August of 1960.
- Minimum temperature on record is -4°F in February 1978.

SEASONAL CLIMATE SUMMARY

WINTER: (December through February). Winter is in full force in December as the average daily temperature drops to 35°F and monthly snowfall totals reach 22.7". Average low Temperatures cool to an average of 23°F in January and February, the coldest months of the year. Brisk winds during this season combine with low temperatures to create unpleasant wind chill conditions. Snow shower activity increases in January and February with snowfall totals rising to 39.7" 32.7", respectively.

SPRING: (March through May). Spring in northern Honshu starts out cold with plenty of snow, with March average daily temperatures of 36°F and monthly snowfall averaging just under 20". By April the average daily temperature has increased to 47°F with snowfall dropping to just over to 3" for the month. May brings an end to snowfall as the average daily temperature rises to 56°F, but a change to wind flow from over the Pacific Ocean brings an end to pleasant spring-like conditions as low ceilings, drizzle, and fog become predominant.

SUMMER: (June through August). Summers in Misawa are normally cool and foggy until mid-August. A typical summer will see 22 days with fog in June, 24 in July, and 21 in August. The average daily temperature in June is 61°F, rising to 72°F in August. By mid-August the foggy conditions give way to hot and humid conditions, with occasional temperature readings in the mid-90's not uncommon.

FALL: (September through November). September signals the end of the summer season in Misawa as temperatures cool to an average of 66°F. September is also the rainiest month of the year, with almost 7" of rainfall being the norm. By November temperatures have cooled to a daily average of 44°F and snowfall increases to 6.4", signaling the beginning of winter.

MONTHLY CLIMATE SUMMARY

JANUARY

January is the largest snowfall month in Misawa, averaging about 38.3 inches. The Siberian High pressure center is at its greatest intensity with the western extension of the Pacific High being quite weak. Prevailing winds are westerly at 11 knots. The majority of the snowfall comes in the form of passing snow showers or flurries. Snow showers will normally last from 30 minutes to 1 hour. Cold air from Siberia and China moves across the Sea of Japan and over the local area. The average daily temperature dips to a chilly 28°F. Flying conditions are still considered good with ceilings and/or visibility equal to or greater than 1500 feet and 3 miles 84.2% of the time. Lower ceilings of below 300 feet and/or visibility less than 1 mile, occur less than 4% of the time and are normally due to passing snow showers.

FEBRUARY

February is the second largest snowfall month with an average of about 34.8 inches. Deep low pressure centers form in the vicinity of the Yellow Sea or extreme southwestern Sea of Japan and track eastward across southern or central Hokkaido producing temporary periods of steady snow with low visibility and ceilings. Flying conditions are fairly good, with ceiling and visibility equal to or greater than 1500 feet and 3 miles 81.2% of the time. The average daily temperature remains chilly at 26.6°F. The average daily maximum temperature is 33°F with nighttime minimums of 22°F.

MARCH

March averages approximately 19.5 inches of snow with the majority in the first 2 weeks. Low-pressure systems form in the vicinity of the Yellow Sea or the extreme southwestern Sea of Japan and track eastward across southern or central Honshu. As these lows pass south of Misawa, overcast skies, lowered ceilings and reduced visibilities prevail with steady snow. The spring transition begins by late month with the average daily temperature increasing to 35°F, about a 8°F increase over February. Nighttime minimums average about 29°F. Flying conditions are considered good with ceilings and visibility equal to or greater than 1500 feet and 3 miles 85.9% of the time.

APRIL

The spring transition is in full swing during the month of April. The snowfall averages only about 2.7 inches for the entire month. The spring weather is accompanied by gusty winds, which dominate during the second half of April. The dry fields in the local area make this month an extremely dusty one. Low-pressure systems continue to form in the vicinity of the Yellow Sea or extreme southwestern Sea of Japan and track eastward across central Honshu. These lows, when passing south of Misawa, will usually bring overcast conditions with rain. The average temperature is 44°F, a giant leap over March's. Flying conditions are still considered good throughout the month with ceiling and visibility equal to or greater than 1500 feet and 3 miles 84.5% of the time.

MAY

During the month, strong gusty winds prevail over the local area. The freshly plowed dry fields make for another extremely dusty month with visibility, at times, reduced to 1 to 2 miles in blowing dust. Smoke from the paper mills in Hachinohe can also create reduced visibility. Temperatures continue to rise to an average maximum during the day of 65°F and a low of 47°F at night. Spring has definitely arrived at Misawa as the polar front, lying south of Japan, begins its slow migration northward. Cold outbreaks from Siberia rapidly diminish. May averages only a little over 3.17 inches of rainfall. Flying conditions are good with ceiling and visibility equal to or greater than 1500 feet and 3 miles 80.3% of the time.

JUNE

The strong gusty surface winds prevalent earlier in the year have nearly ceased, but this month begins another weather phenomenon at Misawa - summertime fog. By the end of the month sea fog often extending for hundreds of miles to sea, has formed in its normal summertime position off the east coast of northern Honshu. This area of fog can extend for hundreds of miles out over the ocean is the major weather feature affecting Misawa. Cool water temperatures and warm temperatures over land create perfect conditions for the formation of a sea breeze, which then advects the fog into the local area. As a result, visibility is reduced to less than 3 miles and cloud ceilings below 1500 feet 45.3% of the time. However, temperatures do increase slightly over May's with an average maximum of 66°F. The average rainfall for the month is about 4.14 inches, also a slight increase over May. The polar front continues its northward migration passing over the local area as Misawa transitions into summer.

JULY

Fog and light drizzle are the characteristic weather phenomenon observed during the month of July. Cloud ceilings below 1500 feet and visibility below 3 miles occur 45.4% of the time. Aircraft operations from Misawa may be adversely affected as fog, which has formed off the east coast of Honshu, often moves rapidly onshore and lowers ceilings and visibility to near zero. The transition from partly cloudy skies to near zero/zero conditions can take as little as a few minutes time, and usually occurs around 1500L. The polar front pushes north of Misawa late in July as the warm air from the subtropical high pressure over the Pacific Ocean begins to dominate all of Japan's weather. The prevailing wind direction is east southeasterly at 10 knots. The total rainfall for the month increases slightly over June with an average of 4.54 inches. Average temperatures range from 74°F during the day to 62°F at night.

AUGUST

August is the warmest month of the year and the peak of our summertime in Misawa. Temperatures soar to an average maximum of 79°F during the day with typical lows of 66°F at night. Record temperatures of 97°F have been recorded during this month. Fog becomes less of a problem than in July. However, ceilings and visibility are still reduced to below 1500 feet and 3 miles 35% of the time. The polar front is well established north of the Misawa area giving us our true summertime regime. By late in the month, the front begins its slow southward migration over Japan. Average rainfall in August is slight higher than July's with a total of just over 5.26 inches.

SEPTEMBER

This month begins the fall transition period. As the summer pattern weakens, weak high pressure forms over central Asia. Continental polar air begins to dominate the area. The average monthly temperature drops 8.5°F from that of August to a comfortable but cool 61.6°F. Tropical storm systems that have become extra tropical make their closest approach to the Misawa area during September and can produce copious amounts of precipitation in a short period. The record of 7.07" of rain in 24 hours was the result of such a storm. Restrictions to visibility early in the month are usually due to radiation type fog. Rainfall increases over September with an average total of 6.46 inches for the month. With the beginning of fall by late September, outbreaks of cold polar air push southeastward from Siberia. However, temperatures aloft are not nearly cold enough for snow. Westerly winds eliminate low clouds to give superb flying weather that prevails from late September through early November. Ceilings and visibility are better than 1500 feet and 3 miles 82.1% of the time.

OCTOBER

The typical fall situation begins with outbreaks of cold air from Siberia becoming more common in the local Misawa area. Cold air originating from the Siberian High moves across Honshu and temperatures get progressively colder with each successive frontal passage. The average monthly daytime temperature is 63°F and the average nightly temperature is 47°F, about a 10°F drop over September's temperatures. The sea breeze during the day disappears giving way to westerly winds averaging 8 knots. Rainfall totals decrease over October with an average of about 4.10 inches for the month. Snow usually does not occur, but trace amounts of less than 0.01 inch have been recorded in the last few days of the month. Statistically, October is the best month of the year for flying conditions; ceilings and visibility equal to or greater than 1500 feet and 3 miles occur 94.6% of the time. With its crisp, cool clear days and fall color scheme, October is one of the most beautiful months in Northern Japan.

NOVEMBER

The winter transition period begins this month, as does Misawa's "snow season." The prevailing westerly winds are now well established and frequent outbreaks of cold polar air from the Siberian High are quite common. Temperature can reach freezing in early morning hours and frost is common by late month. The average temperature drops 11.8°F from October's temperature, to 41.5°F. Precipitation decreases slightly over October's to an average of 3.07 inches. About 7 inches of snow is the average for November and is usually in the form of flurries or brief snow showers. Excellent flying weather continues through the month with ceilings and visibility equal to or greater than 1500 feet and 3 miles 92.5% of the time.

DECEMBER

The northeast monsoon is now well established over Japan. The Siberian High is the most dominant feature of the winter environment. It is by no means stationary, but fluctuates both in position and in intensity. This movement precedes the formation of low-pressure systems in the Yellow Sea and Sea of Japan area that directly affect our local weather. The average maximum daytime temperature drops 9.4°F from November's temperature to a crisp 40.7°F. The average minimum temperature drops to 28°F. Average snowfall for December is around 21.8 inches, most of which falls in the last 2 weeks of the month,. Ceilings and visibility are still equal to or greater than 1500 feet and 3 miles 88.5% of the time. Visibility and ceilings, when reduced, are normally due to moderate or heavy snow showers that are usually of short duration. The surface weather varies from generally light snow to infrequent snow flurries.

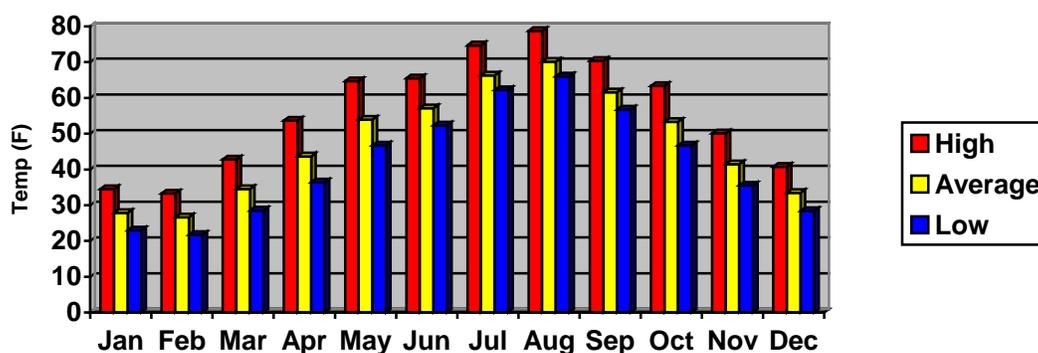
CLIMATOLOGICAL AVERAGES

Climatological averages are derived from observational records produced locally at Misawa AB and maintained by the Air Force Combat Climatology Center in Asheville, NC. The period of record for the data provided below is April 1948 through November 2004. September 2010 saw record high temperatures at Misawa and that data has also been used.

TEMPERATURE (degrees °F)

	Average	Average High	Average Low	Record High (Year)	Record Low (Year)
January	29.0	35	23	59 (64)	5 (86)
February	30.0	36	23	58 (58)	-4 (78)
March	36.0	43	29	70 (04)	7 (86)
April	47.0	56	38	85 (98)	19 (93)
May	56.0	65	47	88 (88)	30 (87)
June	61.0	68	54	93 (87)	37 (54,85,89)
July	69.0	75	62	97 (53)	45 (68,90)
August	72.0	79	66	97 (57, 60)	48 (01)
September	66.0	73	59	96 (11)	39 (01)
October	55.0	63	47	82 (98)	30 (77, 86)
November	44.0	52	37	73 (62,03)	19 (92)
December	35.0	41	28	63 (63,78, 90)	14 (49, 52, 66, 85, 87, 94, 96)
Annual	50.0	57	43		

Average Temperatures



AVERAGE PRECIPITATION (liquid equivalent)
(Inches)

	Average	Maximum (Year)	Minimum (Year)	24 Hour Maximum (Year)	Days Per Month
January	3.10	9.18 (60)	.36 (99)	2.36 (80)	16.3
February	2.64	8.65 (58)	.28 (02)	2.30 (72)	14.1
March	2.75	8.05 (52)	.22 (93)	4.72 (92)	12.3
April	2.84	10.80 (85)	.17 (87)	3.94 (85)	9.9
May	3.26	10.36 (55)	.85 (56)	3.41 (04)	10.3
June	4.07	10.11 (54)	1.33 (85)	4.36 (66)	10.9
July	4.89	11.18 (02)	.32 (97)	4.92 (02)	12.2
August	5.32	17.16 (80)	.27 (51)	5.36 (86)	11.6
September	6.60	17.28 (58)	1.57 (56)	7.06 (01)	13.1
October	4.09	10.21 (98)	.30 (94)	5.24 (90)	11.0
November	3.09	10.13 (77)	.32 (95)	4.00 (90)	12.9
December	2.37	6.62 (58)	.34 (88)	1.81 (58)	13.9
Annual	43.42	67.87	29.58		148.4

AVERAGE SNOWFALL
(Inches)

	Average	Maximum (Year)	Minimum (Year)	24 Hour Maximum (Year)	Days Per Month
January	39.7	117.1 (60)	4.5 (49)	27.2 (60)	17.0
February	32.7	72.1 (00)	2.8 (90)	22.4 (77)	14.6
March	19.9	57.7 (52)	1.2 (59)	43.1 (52)	9.9
April	3.1	18.5 (79)	-	15.7 (79)	1.6
May	Trace	Trace	-	Trace	-
June	-	-	-	-	-
July	-	-	-	-	-
August	-	-	-	-	-
September	-	-	-	-	-
October	Trace	.6 (56)	-	.6 (56)	0
November	6.4	33.1 (85)	-	11.8 (01)	3.3
December	22.7	59.4 (00)	1.1 (48)	13.8 (00)	11.2
Annual	125.5	239.42 (84)	30.8 (49)		57.0

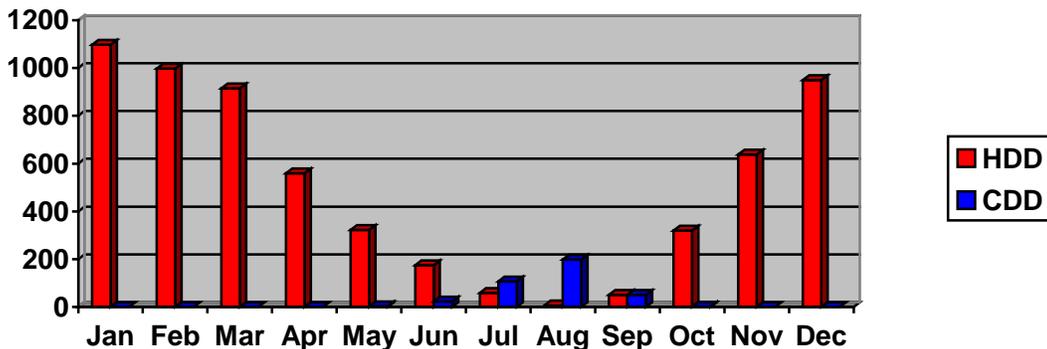
HEATING/COOLING DEGREE DAYS

	<u>WIND</u>	<u>RELATIVE HUMIDITY</u>		<u>HDD /CDD*</u>	
	Average Direction & Speed (kts)	Average	Average	Average	Average
		<u>04L</u>	<u>13L</u>	<u>HDD</u>	<u>CDD</u>
January	W 9	77.3	66.7	1097	0
February	W 9	79.4	66.8	997	0
March	W 9	78.5	60.5	915	0
April	W 10	78.3	56.3	559	0
May	ESE 8	83.5	61.8	322	3
June	ESE 7	94.1	79.1	174	22
July	ESE 7	95.4	81.6	58	106
August	ESE 7	92.8	78.1	6	199
September	ESE 7	89.1	71.6	51	51
October	W 8	83.5	61.2	319	1
November	W 8	77.9	60.9	638	0
December	W 9	77.6	65.6	949	0
				Annual	
				6085	382

*HDD = "Heating Degree Days" and CDD = "Cooling Degree Days"

A degree day is generally, a measure of the departure of the mean daily temperature from a given standard. Degree days are accumulated over a "season" at any point during which the total can be used as an index of past temperature effect upon some quantity, such as plant growth, fuel consumption, power output, etc. A HDD is a form of degree day used as an indication of fuel consumption. In the US, 1 HDD is given for each degree that the daily mean temperature the temperature departs below the base of 65°F. In accumulating degree days over a "heat season", days meant temperatures that exceed 65°F are ignored. A CDD is a form of degree day used to estimate requirements for air condition or refrigeration. 1 CDD is given for each degree that the daily mean temperature departs above the base of 75°F.

Average Heating/cooling Degree Days



2010 OBSERVED TEMPERATURE AND PRECIPITATION

TEMPERATURE (degrees F)

MONTH	MONTHLY	AVERAGE		EXTREME	
	MEAN	MAX	MIN	MAX	MIN
Jan	30.0	35.9	24.1	50.0	13.1
Feb	29.1	35.9	22.2	60.8	11.3
Mar	34.7	42.0	27.4	55.4	20.3
Apr	44.4	52.6	36.2	66.2	30.2
May	52.2	59.2	45.1	76.1	37.4
Jun	62.4	69.3	55.5	88.7	42.8
Jul	72.0	78.9	65.1	91.4	43.7
Aug	77.6	84.7	70.5	94.1	62.6
Sep	68.1	75.6	60.6	94.1	48.2
Oct	56.6	64.7	48.5	75.2	33.8
Nov	44.9	53.3	36.5	66.2	25.7
Dec	37.3	44.2	30.4	59.0	19.4
TOTAL					
AVERAGE	50.8	58.0	43.5		
MAXIMUM				94.1	
MINIMUM					11.3

PRECIPITATION (inches)

MONTH	PRECIPITATION			
	WATER EQUIVALENT		SNOWFALL	
	TOTAL	MAX 24 HR	TOTAL	24 HR MAX
Jan	3.07	1.34	48.8	11.0
Feb	0.55	0.33	20.5	7.9
Mar	2.81	1.81	37.8	24.0
Apr	1.14	0.31	0.8	0.4
May	5.71	1.50	0.0	0.0
Jun	4.88	1.14	0.0	0.0
Jul	5.81	1.89	0.0	0.0
Aug	3.66	0.96	0.0	0.0
Sep	6.81	1.59	0.0	0.0
Oct	3.41	0.96	0.0	0.0
Nov	2.48	1.20	0.4	0.4
Dec	5.89	1.20	8.3	1.6
TOTAL	46.22	14.25	116.5	

Misawa Snowfall From 1948 - 2011 (inches)									
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	TOTAL
1948-1949	0.0	3.9	1.1	4.5	4.4	11.2	5.7	0.0	30.8
1949-1950	0.0	0.2	8.8	27.8	25.9	15.1	3.0	0.0	80.8
1950-1951	0.0	8.7	24.0	29.8	46.9	23.6	9.2	0.0	142.2
1951-1952	0.0	12.1	20.0	28.5	23.2	57.7	0.0	0.0	141.5
1952-1953	0.0	4.0	33.1	65.2	14.6	25.7	1.4	0.0	144.0
1953-1954	0.0	9.0	14.1	26.5	4.7	23.3	0.0	0.0	77.6
1954-1955	0.0	1.2	39.4	58.6	27.6	4.0	0.4	0.0	131.2
1955-1956	0.0	0.0	3.8	39.6	34.2	21.2	0.0	0.0	98.8
1956-1957	0.1	7.7	37.2	33.3	36.0	34.4	1.9	0.0	150.6
1957-1958	0.0	1.4	3.5	54.5	44.8	17.1	3.7	0.0	125.0
1958-1959	0.0	1.5	19.6	35.4	11.4	1.2	0.0	0.0	69.1
1959-1960	0.0	0.2	23.4	117.1	36.3	18.9	10.1	0.0	206.0
1960-1961	0.0	4.8	28.1	35.6	35.1	11.2	0.0	0.0	114.8
1961-1962	0.0	7.9	28.2	16.1	34.1	21.0	0.1	0.0	107.4
1962-1963	0.0	8.5	7.2	68.2	28.1	7.6	7.5	0.0	127.1
1963-1964	0.0	0.3	7.8	39.7	59.9	5.7	0.2	0.0	113.6
1964-1965	0.0	2.0	20.0	20.9	51.6	35.8	9.8	0.0	140.1
1965-1966	0.0	18.5	9.0	20.1	16.1	14.2	0.0	0.0	77.9
1966-1967	0.0	6.7	29.1	98.0	26.0	7.1	0.4	0.0	167.3
1967-1968	0.0	3.5	28.7	13.4	20.1	13.4	11.8	0.0	90.9
1968-1969	0.0	4.3	33.5	43.8	36.3	20.5	1.0	0.0	139.4
1969-1970	0.0	21.3	32.6	27.3	30.5	54.0	0.7	0.0	166.4
1970-1971	0.0	7.4	18.5	31.9	22.8	21.5	0.2	T	102.3
1971-1972	0.0	22.4	28.1	19.2	16.8	11.5	3.3	0.0	101.3
1972-1973	0.0	3.6	8.4	32.4	6.0	12.0	0.0	0.0	62.4
1973-1974	0.0	12.6	14.0	33.1	37.8	17.7	T	0.0	115.2
1974-1975	0.0	13.8	48.0	18.5	19.7	18.5	T	0.0	118.5
1975-1976	0.0	3.1	13.8	31.1	27.5	18.1	T	0.0	93.6
1976-1977	0.0	7.1	22.4	25.6	64.2	14.6	0.1	0.0	134.0
1977-1978	0.0	2.8	35.4	49.5	63.8	22.5	0.8	0.0	174.8
1978-1979	0.0	T	18.5	44.5	13.8	7.4	18.5	T	102.7
1979-1980	0.0	8.4	16.2	19.6	39.0	33.1	6.3	0.0	122.6
1980-1981	0.0	6.7	13.0	8.8	42.9	19.3	0.0	0.0	90.7
1981-1982	0.0	15.0	30.3	15.4	10.8	20.9	0.0	0.0	92.3
1982-1983	0.0	7.9	13.0	18.9	48.4	27.2	0.0	0.0	115.4
1983-1984	T	11.4	35.1	63.4	85.0	37.4	7.1	0.0	239.4
1984-1985	0.0	5.9	28.0	35.1	40.1	16.0	0.8	0.0	125.9
1985-1986	0.0	25.0	28.2	51.4	39.3	11.5	0.0	0.0	155.4
1986-1987	T	14.9	11.8	38.2	43.7	14.5	7.9	T	131.0
1987-1988	0.0	7.5	21.9	31.1	52.0	10.7	0.0	0.0	123.2
1988-1989	0.0	11.0	27.6	28.7	20.1	1.6	1.2	0.0	90.2
1989-1990	0.0	0.8	12.8	31.5	2.8	6.7	0.4	0.0	54.9
1990-1991	0.0	0.0	6.0	29.9	35.8	29.1	T	0.0	100.8
1991-1992	0.0	3.9	27.9	18.9	48.1	21.3	1.2	0.0	121.3
1992-1993	0.0	4.3	11.8	11.0	53.6	13.2	0.0	0.0	93.9
1993-1994	0.0	6.3	15.8	78.9	48.9	9.1	0.8	0.0	159.8
1994-1995	0.0	2.0	30.7	57.9	19.7	10.7	2.0	0.0	122.9
1995-1996	0.0	2.8	21.2	37.8	26.4	26.4	4.7	0.0	119.3
1996-1997	0.0	0.0	17.0	33.1	34.3	19.3	0.0	0.0	103.7
1997-1998	0.0	0.0	27.6	71.7	29.9	10.6	5.5	0.0	145.3
1998-1999	0.0	7.2	16.1	36.7	63.1	40.5	12.2	0.0	175.8
1999-2000	0.0	13.4	48.4	34.3	72.0	52.0	T	0.0	220.1
2000-2001	0.0	5.5	58.3	44.9	44.5	24.0	T	0.0	177.2
2001-2002	0.0	8.7	44.9	38.2	10.2	12.6	0.0	0.0	114.5
2002-2003	0.0	7.9	24.8	33.1	35.1	32.7	0.4	0.0	134.0
2003-2004	0.0	0.4	14.6	29.9	8.7	13.8	3.5	0.0	70.9
2004-2005	0.0	0.4	13.8	49.6	51.2	35.0	0.0	0.0	150.0
2005-2006	0.0	0.0	41.3	40.9	42.5	10.6	0.4	0.0	135.7
2006-2007	0.0	0.4	13.8	20.1	21.3	18.1	2.0	0.0	75.7
2007-2008	0.0	26.8	19.3	54.3	45.7	8.3	0.0	0.0	154.4
2008-2009	0.0	7.5	49.2	35.0	37.0	17.7	2.8	0.0	149.2
2009-2010	0.0	0.8	17.7	48.8	20.5	37.8	0.8	0.0	126.4
2010-2011	0.0	0.4	8.3	59.4	19.3	22.4	0.0	0.0	109.8
Average	0.0	6.8	22.9	37.7	33.8	19.8	2.7	0.0	123.2
Maximum	0.1	26.8	58.3	117.1	85.0	57.7	18.5	0.0	239.4
Minimum	0.0	0.0	1.1	4.5	2.8	1.2	0.0	0.0	30.8

AS OF 25 Mar 2011

CLIMATOLOGICAL FLYING CONDITIONS (CEILING AND VISIBILITY)

FLYING CONDITIONS (0600-2000L)

(Percentage of the time with ceiling and/or visibility greater than or equal to)

	3000ft/3mi	1500ft/3mi	700ft/2mi	500ft/1½mi	300ft/1mi
January	67.48	84.60	89.74	92.82	95.46
February	64.06	81.74	87.38	91.12	93.86
March	73.44	86.82	90.94	93.92	96.56
April	79.08	85.64	90.24	93.02	96.28
May	77.60	82.72	85.86	89.84	94.72
June	53.80	59.18	65.64	72.24	83.52
July	54.80	59.78	67.94	74.18	84.96
August	62.54	68.56	77.02	82.76	90.04
September	75.82	83.48	90.56	94.48	97.68
October	87.94	94.88	98.06	99.26	99.74
November	80.20	92.78	95.60	97.22	98.74
December	74.30	88.32	92.46	95.06	96.88

FLYING CONDITIONS (All Hours)

(Percentage of the time with ceiling and/or visibility greater than or equal to)

	3000ft/3mi	1500ft/3mi	700ft/2mi	500ft/1½mi	300ft/1mi
January	66.7	84.2	89.8	93.0	95.8
February	62.8	81.3	87.3	91.4	94.3
March	73.1	85.9	90.7	94.0	96.7
April	78.2	84.5	89.2	92.0	95.4
May	75.2	80.3	84.8	88.1	92.9
June	49.8	54.7	61.4	68.1	78.5
July	50.0	54.6	63.3	69.8	78.7
August	59.3	65.0	73.6	79.4	86.6
September	74.6	82.1	89.4	93.4	96.8
October	87.5	94.6	97.9	99.2	99.6
November	81.4	92.5	95.5	97.5	98.7
December	73.6	88.5	92.7	95.2	97.0
Annual	69.4	79.1	84.7	88.5	92.6

