

Expanded Morrow Project Weather Tables

Order of Roll

	Name of Table	Table Number	Modifiers
1 st	Wind Strength	I	Terrain
2 nd	Wind Direction	II	Zone
3 rd	Precipitation Prob.	III	Month, Zone, Special
4 th	Base Temperature	IV	Month, Zone
5 th	Precip. Type	V	Temperature
6 th	Precip. Amount	VI	Zone, Special

Table I Wind Strength (Roll D20)

Roll	Result
1-4	Calm, 0-3 mph (0-5 kmph)
5-11	Light, 4-18 mph (6.5-29 kmph)
12-17	Strong, 19-39 mph (31-63 kmph)
18	Special (see table 1a)
19-20	Gale, 40-70 mph (64-113 kmph)

Table 1a Special (Roll D20)

Arctic

1-15	Squall
16-20	Blizzard

Cold

1-15	Squall
16-18	Blizzard
19-20	Thunderstorm

Temperate

1-15	Thunderstorm
16-18	Tornado
19-20	Hurricane/ Blizzard

Sub-Tropical

1-16	Thunderstorm
17	Tornado
18-20	Hurricane

Tropical

1-17	Thunderstorm
18	Tornado
19-20	Hurricane

Semi-Arid Desert

1-15	Dust Devil
16-20	Sandstorm

Table II Wind Direction (Roll D20)

Dir.	Arctic	Cold	Temperate	Sub-Tropical	Tropical
N	1-4	1-4	1-2	1-2	1-2
NE	5-11	5-9	3-4	3-14	3-8
SE	12-13	10	5-6	15-17	9-14
S	14	11	7-8	18	15-16
SW	15-16	12-13	9-17	19	17-18
NW	17-20	14-20	18-20	20	19-20

Table III Precipitation Chance

Month	Arctic	Cold	Temperate	Sub-Tropical	Tropical
I	20	10	30	05	10
II	15	15	25	25	15
III	10	20	20	20	25
IV	05	25	35	20	30
V	05	35	25	25	35
VI	05	35	15	35	35
VII	05	25	05	25	30
VIII	05	20	05	20	25
IX	10	15	15	20	20
X	15	15	25	15	10
XI	20	10	25	05	10
XII	20	05	30	05	10

Table IV Base Temperature (Measured in degrees Celsius/Fahrenheit)

Month	Arctic	Cold	Temperate	Sub-Tropical	Tropical
I	-38/-36	-25/-13	-8/18	7/45	22/72
II	-40/-40	-22/-8	-6/21	7/45	22/72
III	-33/-27	-17/1	0/32	8/46	23/73
IV	-22/-8	-8/18	5/41	9/48	24/75
V	-10/14	3/37	0/32	11/52	25/77
VI	0/32	8/46	15/59	13/55	24/75
VII	5/41	11/52	16/61	15/59	23/73
VIII	0/32	9/48	15/59	15/59	23/73
IX	-12/-10	2/36	12/54	14/57	25/77
X	-24/-11	-11/12	7/45	10/50	25/77
XI	-32/-26	-20/-4	-1/30	8/46	24/75
XII	-35/-31	-25/-13	-8/18	6/43	23/73

Table V Precipitation Type (Roll D%)

Base					
Temp.	Below				
Range:	-10/14	-10/14-0/32	1/33-10/50	11/52-25/77	25/77+
Weather					
Type					
Snow	1-98	1-80	1-20	1-2	-
Sleet	99-00	81-89	21-22	3-4	1
Hail	-	90-97	23-25	5-7	2-4
Rain	-	98-00	26-00	8-00	5-00

50% chance of precipitation raising wind strength one category.
 Precipitation temporarily lowers temperature by 10 degrees
 Fahrenheit.

Table VI Precipitation Amount (Roll D%)

Type	Arctic	Cold	Temperate	Sub-Trop	Tropical	Desert	Semi-Arid
Trace	1-59	1-39	1-20	1-40	1-10	1-75	1-75
Slight	60-97	40-69	21-70	41-92	11-45	76-100	76-97
Mod	98-100	70-94	71-90	93-97	46-87	-	98-100
Heavy	-	95-99	91-97	98-100	88-95	-	-
Steady	-	100	98-100	-	96-100	-	-

Special Note: Semi-Arid has constant 5% chance of precipitation;
 Desert has a constant 1% chance of precipitation. Precipitation
 is highly localized in cloudburst.

Special Precipitation Amount Chart

Type	Amount
Trace	0- .1 cm
Slight	.2 - .5 cm
Moderate	.6 - 1 cm
Heavy	1.1 - 3 cm
Steady	3+ cm in 24 hrs.