

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>TAEGU KO</b>                 |                                    |
| Latitude = 35.90 N              | WMO No. 471420                     |
| Longitude = 128.65 E            | Elevation = 115 feet               |
| Period of Record = 1967 to 1996 | Average Pressure = 29.84 inches Hg |

### Design Criteria Data

|                                                  | Design Value      | Mean Coincident (Average) Values |                         |                        |                             |
|--------------------------------------------------|-------------------|----------------------------------|-------------------------|------------------------|-----------------------------|
|                                                  |                   | Wet Bulb Temperature (°F)        | Humidity Ratio (gr/lb)  | Wind Speed (mph)       | Prevailing Direction (NSEW) |
| <b>Dry Bulb Temperature (T)</b>                  | <b>(°F)</b>       |                                  |                         |                        |                             |
| Median of Extreme Highs                          | 99                | 80                               | 125                     | 6.2                    | WNW                         |
| 0.4% Occurrence                                  | 95                | 79                               | 125                     | 5.8                    | WNW                         |
| 1.0% Occurrence                                  | 93                | 78                               | 123                     | 5.8                    | W                           |
| 2.0% Occurrence                                  | 90                | 77                               | 118                     | 5.3                    | W                           |
| Mean Daily Range                                 | 19                | -                                | -                       | -                      | -                           |
| 97.5% Occurrence                                 | 21                | 19                               | 10                      | 4.5                    | NW                          |
| 99.0% Occurrence                                 | 18                | 16                               | 9                       | 4.4                    | WNW                         |
| 99.6% Occurrence                                 | 14                | 12                               | 6                       | 4.0                    | WNW                         |
| Median of Extreme Lows                           | 10                | 8                                | 5                       | 2.9                    | WNW                         |
|                                                  | Design Value      | Mean Coincident (Average) Values |                         |                        |                             |
|                                                  |                   | Dry Bulb Temperature (°F)        | Humidity Ratio (gr/lb)  | Wind Speed (mph)       | Prevailing Direction (NSEW) |
| <b>Wet Bulb Temperature (T<sub>wb</sub>)</b>     | <b>(°F)</b>       |                                  |                         |                        |                             |
| Median of Extreme Highs                          | 84                | 94                               | 157                     | 5.4                    | NW                          |
| 0.4% Occurrence                                  | 81                | 92                               | 141                     | 4.7                    | WNW                         |
| 1.0% Occurrence                                  | 80                | 90                               | 137                     | 4.6                    | WNW                         |
| 2.0% Occurrence                                  | 79                | 88                               | 135                     | 4.2                    | WNW                         |
|                                                  | Design Value      | Mean Coincident (Average) Values |                         |                        |                             |
|                                                  |                   | Dry Bulb Temperature (°F)        | Vapor Pressure (in. Hg) | Wind Speed (mph)       | Prevailing Direction (NSEW) |
| <b>Humidity Ratio (HR)</b>                       | <b>(gr/lb)</b>    |                                  |                         |                        |                             |
| Median of Extreme Highs                          | 161               | 89                               | 1.05                    | 3.8                    | NW                          |
| 0.4% Occurrence                                  | 145               | 85                               | 0.95                    | 3.3                    | WNW                         |
| 1.0% Occurrence                                  | 142               | 85                               | 0.94                    | 3.2                    | NNW                         |
| 2.0% Occurrence                                  | 134               | 83                               | 0.88                    | 3.5                    | E                           |
| <b>Air Conditioning/<br/>Humid Area Criteria</b> | <b># of Hours</b> | T ≥ 93°F                         | T ≥ 80°F                | T <sub>wb</sub> ≥ 73°F | T <sub>wb</sub> ≥ 67°F      |
|                                                  |                   | 93                               | 925                     | 950                    | 1786                        |

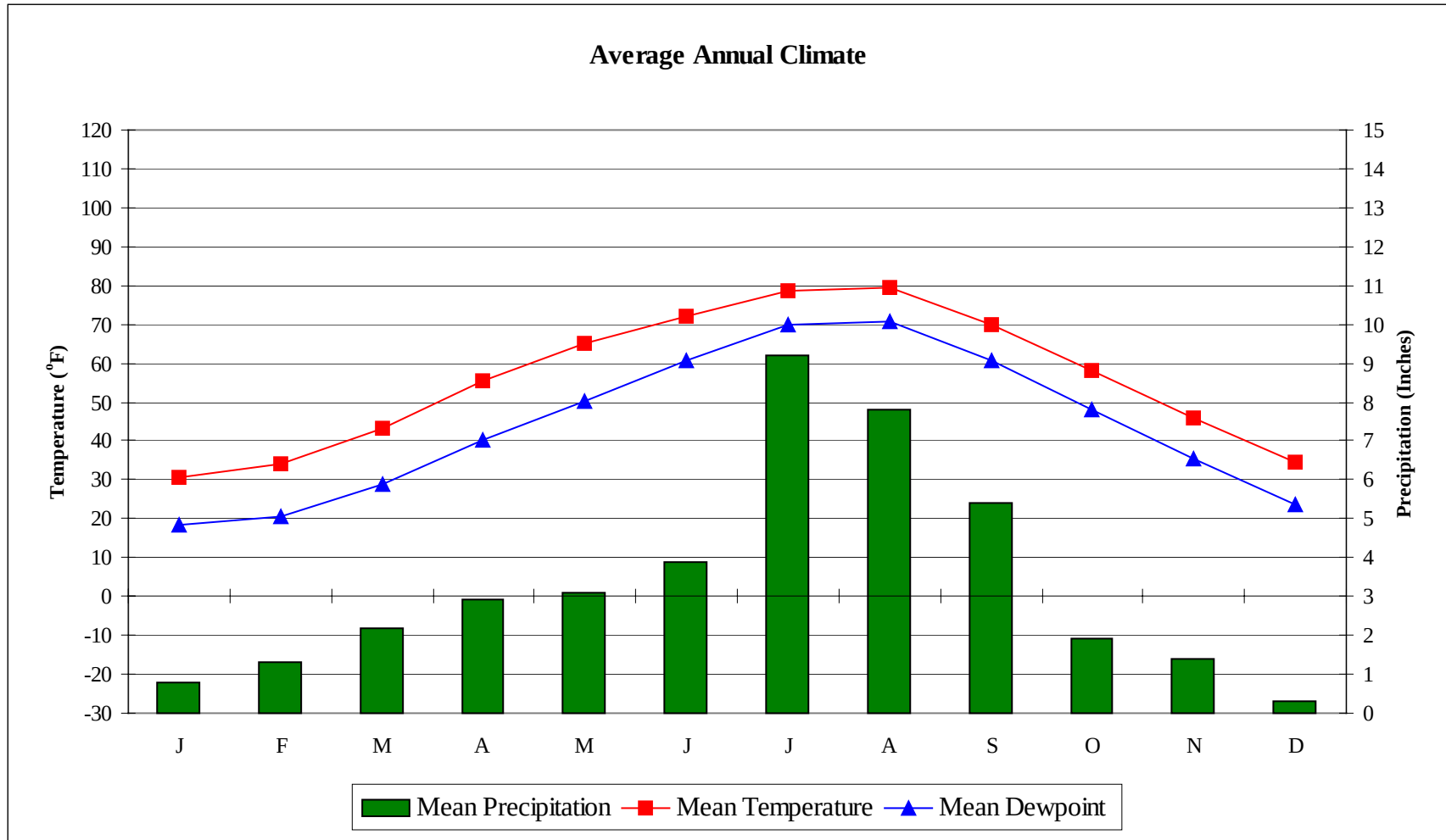
### Other Site Data

| Weather Region                                      | Rain Rate<br>100 Year Recurrence<br>(in./hr) | Basic Wind Speed<br>3 sec gust @ 33 ft<br>50 Year Recurrence (mph) | Ventilation Cooling Load Index<br>(Ton-hr/cfm/yr) Base 75°F-RH 60%<br>Latent + Sensible |
|-----------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 7                                                   | N/A                                          | N/A                                                                | 2.6 + 0.9                                                                               |
| Ground Water<br>Temperature (°F)<br>50 Foot Depth * | Frost Depth<br>50 Year Recurrence<br>(in.)   | Ground Snow Load<br>50 Year Recurrence<br>(lb/ft <sup>2</sup> )    | Average Annual<br>Freeze-Thaw Cycles<br>(#)                                             |
| 58.7                                                | N/A                                          | N/A                                                                | 76                                                                                      |

\*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

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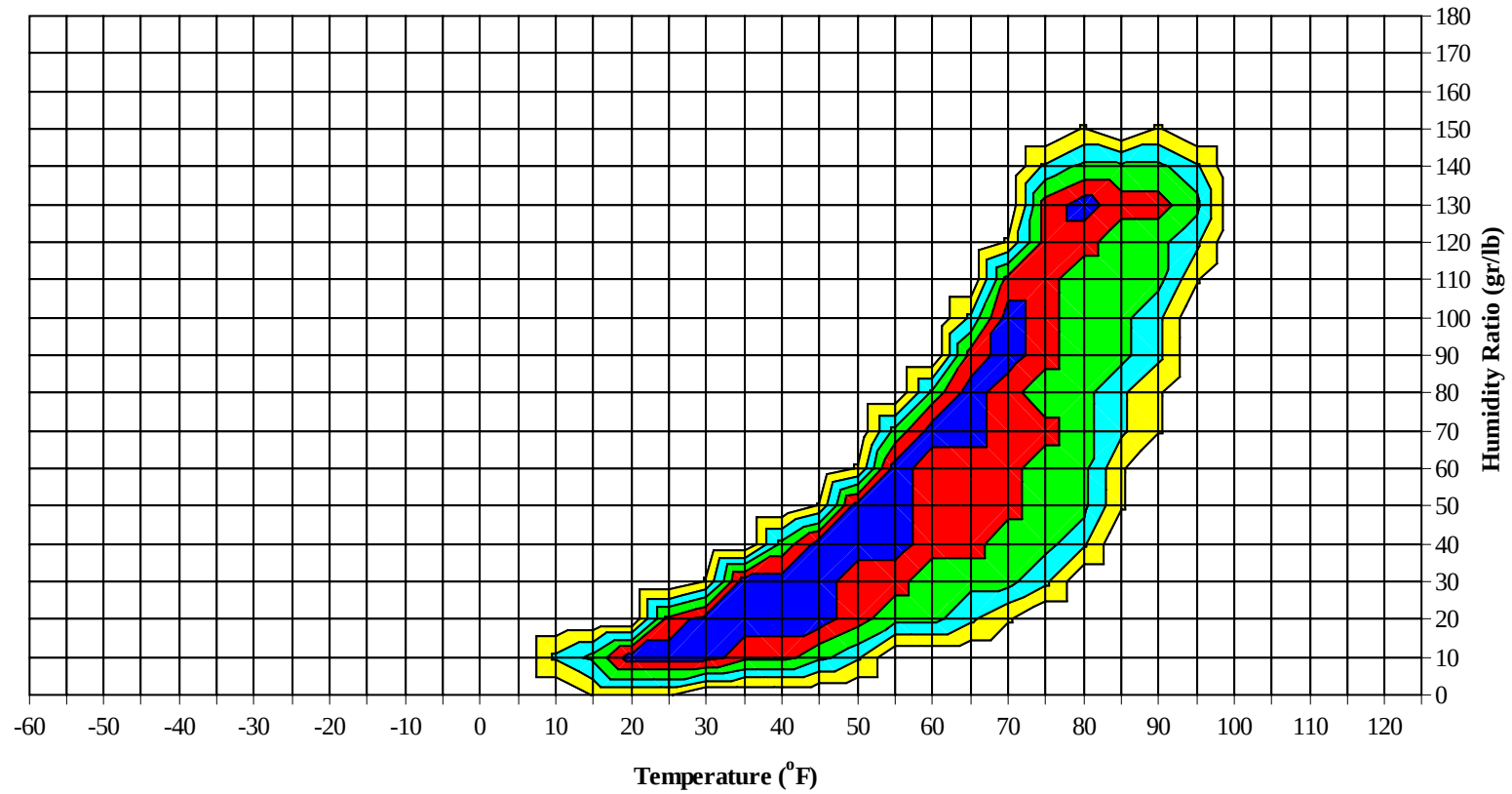
WMO No. 471420



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### Long Term Psychrometric Summary

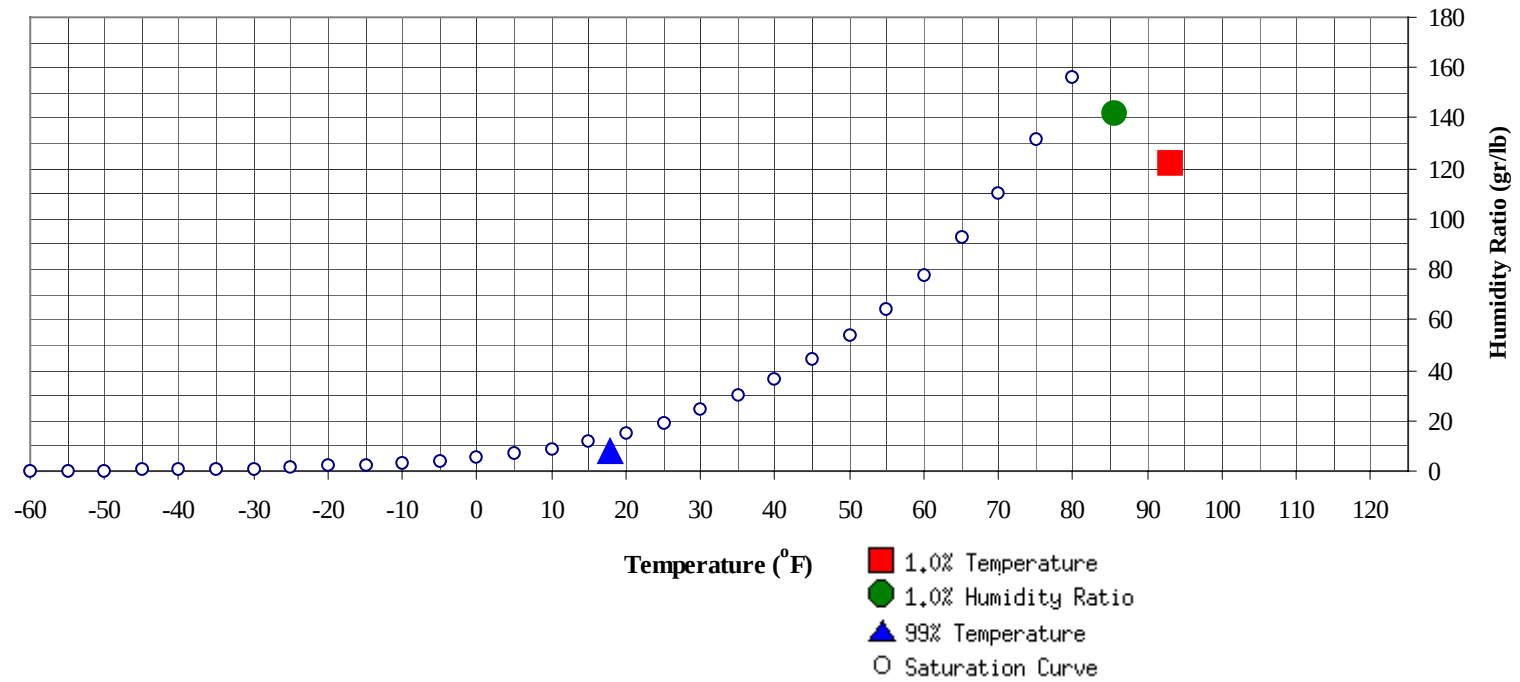


- 50% of all observations
- 80% of all observations
- 95% of all observations
- 97.5% of all observations
- 99% of all observations

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### Psychrometric Summary of Peak Design Values



|              | (°F) | MCHR    | Enthalpy | 1.0% Humidity Ratio | (gr/lb) | MCDB | MCWB | MC Dewpt | Enthalpy |
|--------------|------|---------|----------|---------------------|---------|------|------|----------|----------|
|              |      | (gr/lb) | (btu/lb) |                     |         | (°F) | (°F) | (°F)     | (btu/lb) |
| 99% Dry Bulb | 18   | 8.2     | 5.6      |                     | 142.1   | 85.4 | 79.2 | 77       | 42.8     |

| 1.0% Dry Bulb | (°F) | MCHR    | MCWB | Enthalpy |
|---------------|------|---------|------|----------|
|               |      | (gr/lb) | (°F) | (btu/lb) |
|               | 93   | 122     | 78.1 | 41.5     |

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WMO No. 471420

**Dry-Bulb Temperature Hours For An Average Year (Sheet 1 of 5)**

Period of Record = 1967 to 1996

| Temperature<br>Range<br>(°F) | January             |                |                |              |                          | February            |                |                |              |                          | March               |                |                |              |                          |
|------------------------------|---------------------|----------------|----------------|--------------|--------------------------|---------------------|----------------|----------------|--------------|--------------------------|---------------------|----------------|----------------|--------------|--------------------------|
|                              | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) |
|                              | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          |
| 100 / 104                    |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 95 / 99                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 90 / 94                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 85 / 89                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 80 / 84                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 75 / 79                      |                     |                |                |              |                          |                     |                |                |              |                          |                     | 0              | 0              | 0            | 58.7                     |
| 70 / 74                      |                     |                |                |              |                          |                     | 0              |                | 0            | 53.8                     |                     | 3              | 1              | 4            | 55.7                     |
| 65 / 69                      |                     |                |                |              |                          |                     | 0              | 0              | 0            | 52.3                     | 0                   | 6              | 2              | 8            | 52.7                     |
| 60 / 64                      |                     | 0              |                | 0            | 48.5                     |                     | 2              | 1              | 3            | 51.4                     | 0                   | 17             | 8              | 25           | 49.4                     |
| 55 / 59                      | 0                   | 1              | 1              | 2            | 47.1                     | 0                   | 6              | 3              | 9            | 46.5                     | 2                   | 39             | 21             | 62           | 47.0                     |
| 50 / 54                      | 0                   | 11             | 2              | 13           | 42.9                     | 1                   | 18             | 8              | 27           | 42.2                     | 6                   | 52             | 41             | 99           | 43.8                     |
| 45 / 49                      | 2                   | 25             | 12             | 39           | 39.9                     | 4                   | 39             | 22             | 65           | 39.3                     | 30                  | 57             | 59             | 146          | 40.6                     |
| 40 / 44                      | 5                   | 35             | 19             | 60           | 36.1                     | 11                  | 38             | 30             | 80           | 36.5                     | 36                  | 37             | 43             | 117          | 36.9                     |
| 35 / 39                      | 17                  | 59             | 48             | 123          | 32.5                     | 29                  | 47             | 54             | 130          | 32.7                     | 62                  | 26             | 43             | 132          | 33.2                     |
| 30 / 34                      | 35                  | 57             | 63             | 155          | 28.3                     | 44                  | 40             | 49             | 133          | 28.1                     | 67                  | 10             | 24             | 100          | 28.8                     |
| 25 / 29                      | 64                  | 38             | 60             | 163          | 23.5                     | 60                  | 24             | 37             | 121          | 23.5                     | 38                  | 2              | 5              | 45           | 24.4                     |
| 20 / 24                      | 50                  | 14             | 24             | 88           | 19.4                     | 38                  | 6              | 13             | 57           | 19.3                     | 6                   | 0              | 0              | 6            | 20.2                     |
| 15 / 19                      | 53                  | 7              | 16             | 75           | 15.6                     | 27                  | 3              | 6              | 36           | 15.6                     | 1                   | 0              | 0              | 1            | 16.4                     |
| 10 / 14                      | 17                  | 1              | 3              | 21           | 10.7                     | 9                   | 0              | 1              | 10           | 10.8                     | 0                   |                |                | 0            | 12.0                     |
| 5 / 9                        | 5                   | 0              | 0              | 5            | 6.1                      | 0                   |                |                | 0            | 6.9                      |                     |                |                |              |                          |
| 0 / 4                        | 0                   |                |                | 0            | 2.0                      |                     |                |                |              |                          |                     |                |                |              |                          |

**Caution:** This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

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**WMO No. 471420**

**Dry-Bulb Temperature Hours For An Average Year (Sheet 2 of 5)**

**Period of Record = 1967 to 1996**

| Temperature<br>Range<br>(°F) | April               |                |                |              |                          | May                 |                |                |              |                          | June                |                |                |              |                          |
|------------------------------|---------------------|----------------|----------------|--------------|--------------------------|---------------------|----------------|----------------|--------------|--------------------------|---------------------|----------------|----------------|--------------|--------------------------|
|                              | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) |
|                              | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          |
| 100 / 104                    |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 95 / 99                      |                     |                |                |              |                          | 0                   |                |                | 0            | 73.0                     |                     | 1              | 0              | 1            | 72.2                     |
| 90 / 94                      |                     |                |                |              |                          | 2                   | 1              |                | 3            | 68.9                     |                     | 12             | 4              | 16           | 70.7                     |
| 85 / 89                      |                     | 0              | 0              | 0            | 64.0                     | 11                  | 3              |                | 14           | 65.9                     |                     | 29             | 12             | 41           | 69.9                     |
| 80 / 84                      |                     | 4              | 2              | 6            | 62.4                     |                     | 32             | 15             | 47           | 64.1                     | 1                   | 59             | 31             | 91           | 69.3                     |
| 75 / 79                      |                     | 19             | 7              | 26           | 59.6                     | 0                   | 51             | 28             | 79           | 61.8                     | 7                   | 59             | 51             | 117          | 67.7                     |
| 70 / 74                      | 0                   | 31             | 19             | 50           | 56.8                     | 4                   | 55             | 41             | 100          | 60.0                     | 42                  | 48             | 65             | 155          | 65.6                     |
| 65 / 69                      | 2                   | 32             | 20             | 54           | 55.1                     | 16                  | 38             | 42             | 97           | 59.0                     | 74                  | 22             | 45             | 142          | 63.3                     |
| 60 / 64                      | 7                   | 51             | 41             | 99           | 52.6                     | 52                  | 40             | 60             | 153          | 56.6                     | 83                  | 10             | 26             | 119          | 59.5                     |
| 55 / 59                      | 27                  | 51             | 54             | 131          | 50.1                     | 85                  | 16             | 43             | 144          | 52.9                     | 28                  | 1              | 5              | 34           | 55.1                     |
| 50 / 54                      | 56                  | 35             | 56             | 147          | 46.6                     | 64                  | 3              | 13             | 79           | 48.8                     | 4                   |                | 0              | 4            | 50.8                     |
| 45 / 49                      | 70                  | 13             | 30             | 113          | 42.2                     | 23                  | 0              | 1              | 24           | 44.3                     | 0                   |                |                | 0            | 45.7                     |
| 40 / 44                      | 39                  | 3              | 8              | 50           | 38.4                     | 4                   | 0              | 0              | 4            | 39.4                     |                     |                |                |              |                          |
| 35 / 39                      | 30                  | 1              | 3              | 34           | 34.3                     | 0                   | 0              | 0              | 0            | 36.4                     |                     |                |                |              |                          |
| 30 / 34                      | 9                   | 0              | 1              | 10           | 29.6                     |                     |                | 0              | 0            |                          |                     |                |                |              |                          |
| 25 / 29                      | 0                   |                |                | 0            | 26.0                     |                     |                |                |              |                          |                     |                |                |              |                          |
| 20 / 24                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 15 / 19                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 10 / 14                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 5 / 9                        |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 0 / 4                        |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |

**Caution:** This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

**TAEGU KO**

WMO No. 471420

**Dry-Bulb Temperature Hours For An Average Year (Sheet 3 of 5)**

Period of Record = 1967 to 1996

| Temperature<br>Range<br>(°F) | July                |                |                |              |                          | August              |                |                |              |                          | September           |                |                |              |                          |
|------------------------------|---------------------|----------------|----------------|--------------|--------------------------|---------------------|----------------|----------------|--------------|--------------------------|---------------------|----------------|----------------|--------------|--------------------------|
|                              | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) |
|                              | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          |
| 100 / 104                    |                     | 2              | 0              | 2            | 80.4                     |                     | 1              | 0              | 1            | 80.7                     |                     |                |                |              |                          |
| 95 / 99                      |                     | 17             | 7              | 24           | 79.6                     |                     | 20             | 5              | 25           | 79.3                     |                     | 1              | 0              | 1            | 75.7                     |
| 90 / 94                      |                     | 48             | 20             | 68           | 78.3                     | 0                   | 54             | 20             | 73           | 77.9                     |                     | 4              | 1              | 5            | 75.1                     |
| 85 / 89                      | 1                   | 43             | 27             | 71           | 76.7                     | 2                   | 51             | 29             | 81           | 76.6                     | 0                   | 14             | 3              | 17           | 73.8                     |
| 80 / 84                      | 28                  | 50             | 63             | 141          | 75.3                     | 27                  | 63             | 68             | 158          | 75.1                     | 1                   | 48             | 17             | 66           | 70.8                     |
| 75 / 79                      | 87                  | 46             | 63             | 196          | 73.1                     | 104                 | 42             | 79             | 224          | 73.0                     | 12                  | 72             | 42             | 126          | 68.1                     |
| 70 / 74                      | 74                  | 30             | 45             | 149          | 68.8                     | 77                  | 16             | 38             | 132          | 69.2                     | 33                  | 59             | 67             | 159          | 65.8                     |
| 65 / 69                      | 40                  | 10             | 18             | 68           | 64.8                     | 26                  | 2              | 9              | 37           | 65.2                     | 50                  | 25             | 54             | 129          | 63.5                     |
| 60 / 64                      | 17                  | 2              | 5              | 24           | 60.7                     | 10                  | 0              | 1              | 11           | 61.3                     | 69                  | 16             | 42             | 127          | 59.8                     |
| 55 / 59                      | 1                   | 0              | 0              | 1            | 55.9                     | 1                   |                | 0              | 1            | 55.4                     | 50                  | 2              | 13             | 65           | 54.9                     |
| 50 / 54                      |                     |                |                |              |                          |                     |                |                |              |                          | 21                  | 0              | 1              | 22           | 50.5                     |
| 45 / 49                      |                     |                |                |              |                          |                     |                |                |              |                          | 3                   |                | 0              | 3            | 46.0                     |
| 40 / 44                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 35 / 39                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 30 / 34                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 25 / 29                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 20 / 24                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 15 / 19                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 10 / 14                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 5 / 9                        |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 0 / 4                        |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |

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**TAEGU KO**

WMO No. 471420

**Dry-Bulb Temperature Hours For An Average Year (Sheet 4 of 5)**

Period of Record = 1967 to 1996

| Temperature<br>Range<br>(°F) | October             |                |                |              |                          | November            |                |                |              |                          | December            |                |                |              |                          |
|------------------------------|---------------------|----------------|----------------|--------------|--------------------------|---------------------|----------------|----------------|--------------|--------------------------|---------------------|----------------|----------------|--------------|--------------------------|
|                              | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) |
|                              | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          |
| 100 / 104                    |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 95 / 99                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 90 / 94                      |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 85 / 89                      |                     | 0              |                | 0            | 67.7                     |                     |                |                |              |                          |                     |                |                |              |                          |
| 80 / 84                      |                     | 5              | 1              | 6            | 64.8                     |                     |                |                |              |                          |                     |                |                |              |                          |
| 75 / 79                      |                     | 27             | 5              | 32           | 62.6                     |                     | 1              | 0              | 1            | 61.7                     |                     |                |                |              |                          |
| 70 / 74                      | 1                   | 54             | 18             | 73           | 60.1                     |                     | 5              | 0              | 5            | 58.4                     |                     |                |                |              |                          |
| 65 / 69                      | 2                   | 51             | 26             | 78           | 58.3                     |                     | 11             | 2              | 13           | 56.2                     |                     | 0              |                | 0            | 56.0                     |
| 60 / 64                      | 22                  | 55             | 62             | 138          | 56.5                     | 1                   | 32             | 11             | 44           | 53.7                     |                     | 4              | 0              | 4            | 52.3                     |
| 55 / 59                      | 51                  | 34             | 64             | 148          | 52.9                     | 8                   | 48             | 30             | 86           | 50.8                     | 1                   | 11             | 3              | 15           | 49.4                     |
| 50 / 54                      | 60                  | 17             | 45             | 122          | 48.7                     | 23                  | 50             | 46             | 119          | 46.8                     | 1                   | 24             | 11             | 36           | 44.6                     |
| 45 / 49                      | 66                  | 5              | 20             | 91           | 44.4                     | 36                  | 42             | 54             | 132          | 42.3                     | 7                   | 43             | 25             | 75           | 40.4                     |
| 40 / 44                      | 28                  | 1              | 6              | 35           | 40.3                     | 34                  | 24             | 35             | 93           | 38.2                     | 11                  | 40             | 29             | 79           | 36.6                     |
| 35 / 39                      | 16                  | 0              | 2              | 17           | 36.1                     | 58                  | 19             | 37             | 114          | 34.3                     | 31                  | 54             | 55             | 140          | 32.9                     |
| 30 / 34                      | 3                   | 0              | 0              | 3            | 31.6                     | 50                  | 7              | 21             | 78           | 29.8                     | 53                  | 41             | 65             | 159          | 28.8                     |
| 25 / 29                      | 0                   |                |                | 0            | 28.0                     | 23                  | 2              | 4              | 29           | 25.1                     | 75                  | 22             | 43             | 140          | 24.3                     |
| 20 / 24                      |                     |                |                |              |                          | 5                   | 0              | 0              | 5            | 20.5                     | 40                  | 7              | 12             | 59           | 20.0                     |
| 15 / 19                      |                     |                |                |              |                          | 1                   |                |                | 1            | 17.1                     | 24                  | 3              | 4              | 31           | 16.1                     |
| 10 / 14                      |                     |                |                |              |                          | 0                   |                |                | 0            | 11.5                     | 5                   | 0              | 1              | 6            | 11.3                     |
| 5 / 9                        |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |
| 0 / 4                        |                     |                |                |              |                          |                     |                |                |              |                          |                     |                |                |              |                          |

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**TAEGU KO**

WMO No. 471420

**Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)**

Period of Record = 1967 to 1996

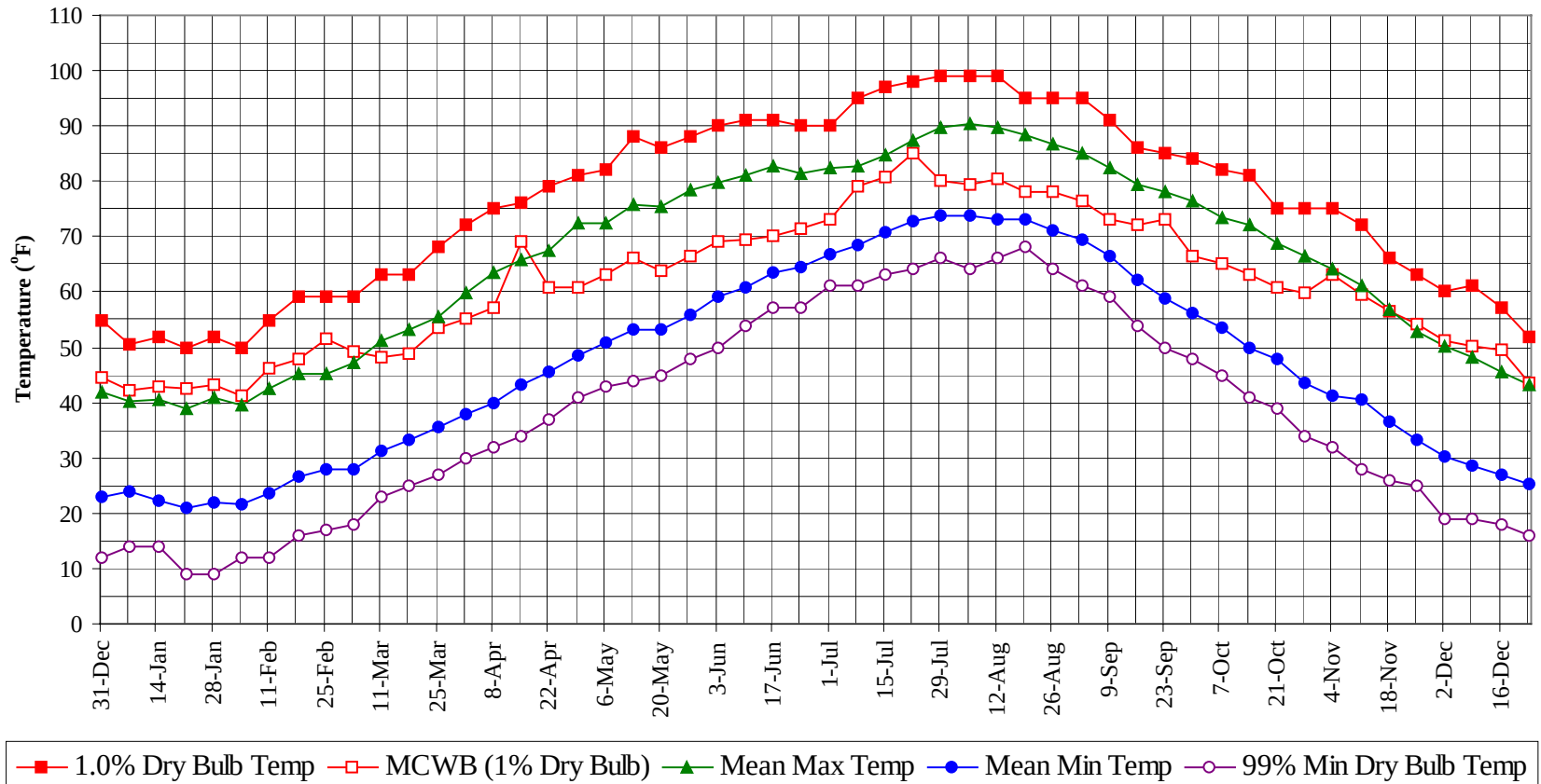
| Annual Totals                |                     |                |                |              |                          |
|------------------------------|---------------------|----------------|----------------|--------------|--------------------------|
| Temperature<br>Range<br>(°F) | Hour<br>Group (LST) |                |                | Total<br>Obs | M<br>C<br>W<br>B<br>(°F) |
|                              | 01<br>To<br>08      | 09<br>To<br>16 | 17<br>To<br>00 |              |                          |
| 100 / 104                    |                     | 3              | 1              | 4            | 80.5                     |
| 95 / 99                      |                     | 39             | 13             | 52           | 79.2                     |
| 90 / 94                      | 0                   | 123            | 46             | 169          | 77.2                     |
| 85 / 89                      | 4                   | 152            | 76             | 232          | 74.6                     |
| 80 / 84                      | 60                  | 268            | 203            | 530          | 72.4                     |
| 75 / 79                      | 222                 | 322            | 283            | 826          | 69.5                     |
| 70 / 74                      | 242                 | 305            | 299            | 846          | 65.0                     |
| 65 / 69                      | 217                 | 199            | 219            | 635          | 61.3                     |
| 60 / 64                      | 265                 | 227            | 258            | 751          | 56.8                     |
| 55 / 59                      | 258                 | 207            | 236            | 701          | 51.7                     |
| 50 / 54                      | 239                 | 206            | 221            | 666          | 46.7                     |
| 45 / 49                      | 240                 | 220            | 219            | 679          | 41.6                     |
| 40 / 44                      | 166                 | 176            | 168            | 510          | 37.3                     |
| 35 / 39                      | 237                 | 201            | 237            | 674          | 33.3                     |
| 30 / 34                      | 253                 | 150            | 217            | 620          | 28.7                     |
| 25 / 29                      | 250                 | 85             | 146            | 481          | 23.9                     |
| 20 / 24                      | 133                 | 26             | 47             | 206          | 19.6                     |
| 15 / 19                      | 100                 | 12             | 25             | 136          | 15.7                     |
| 10 / 14                      | 31                  | 2              | 4              | 37           | 10.8                     |
| 5 / 9                        | 5                   | 0              | 0              | 5            | 6.1                      |
| 0 / 4                        | 0                   |                |                | 0            | 2.0                      |
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**Caution:** This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

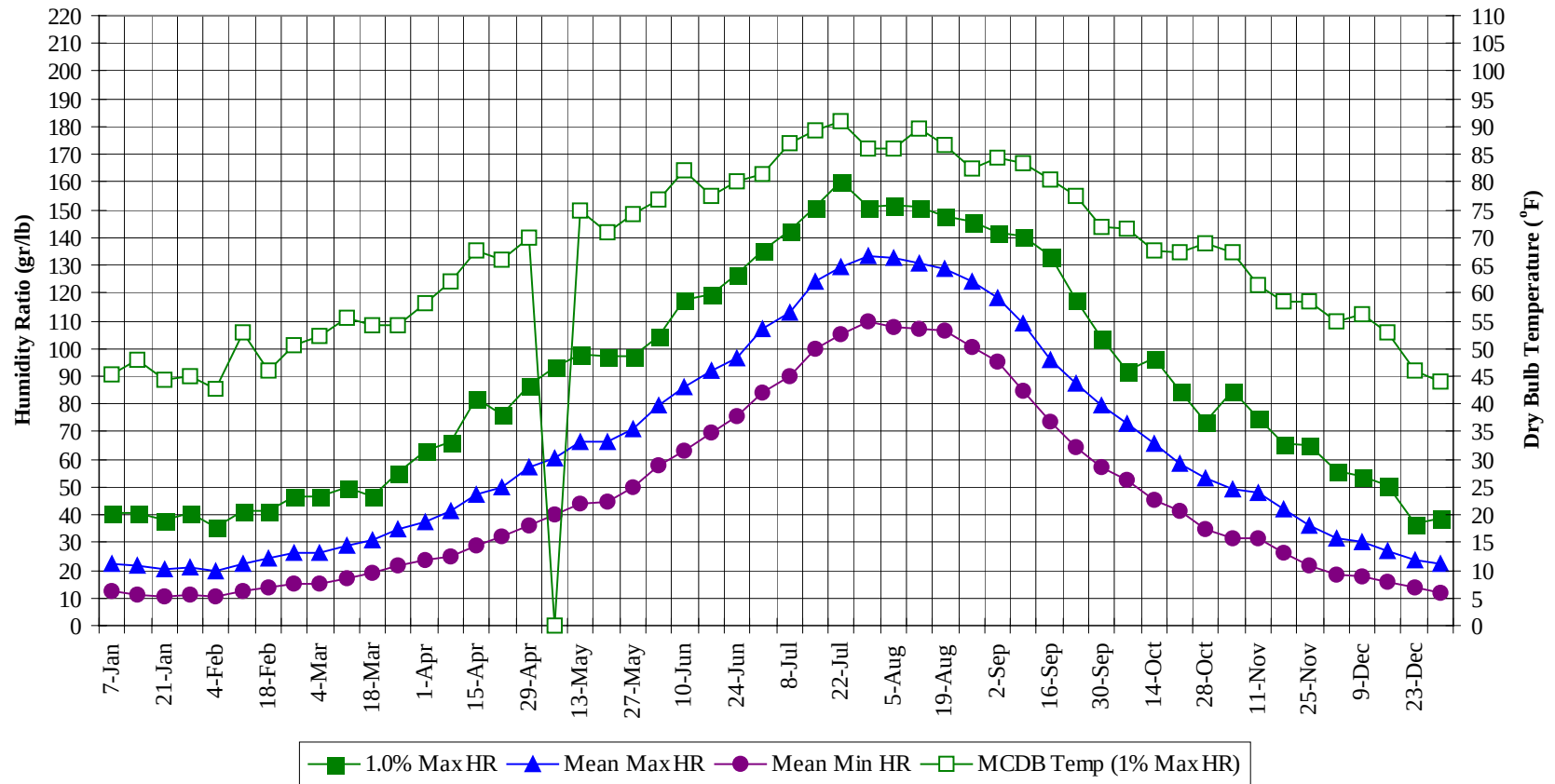
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WMO No. 471420

### Annual Summary of Temperatures



## Long Term Humidity and Dry Bulb Temperature Summary

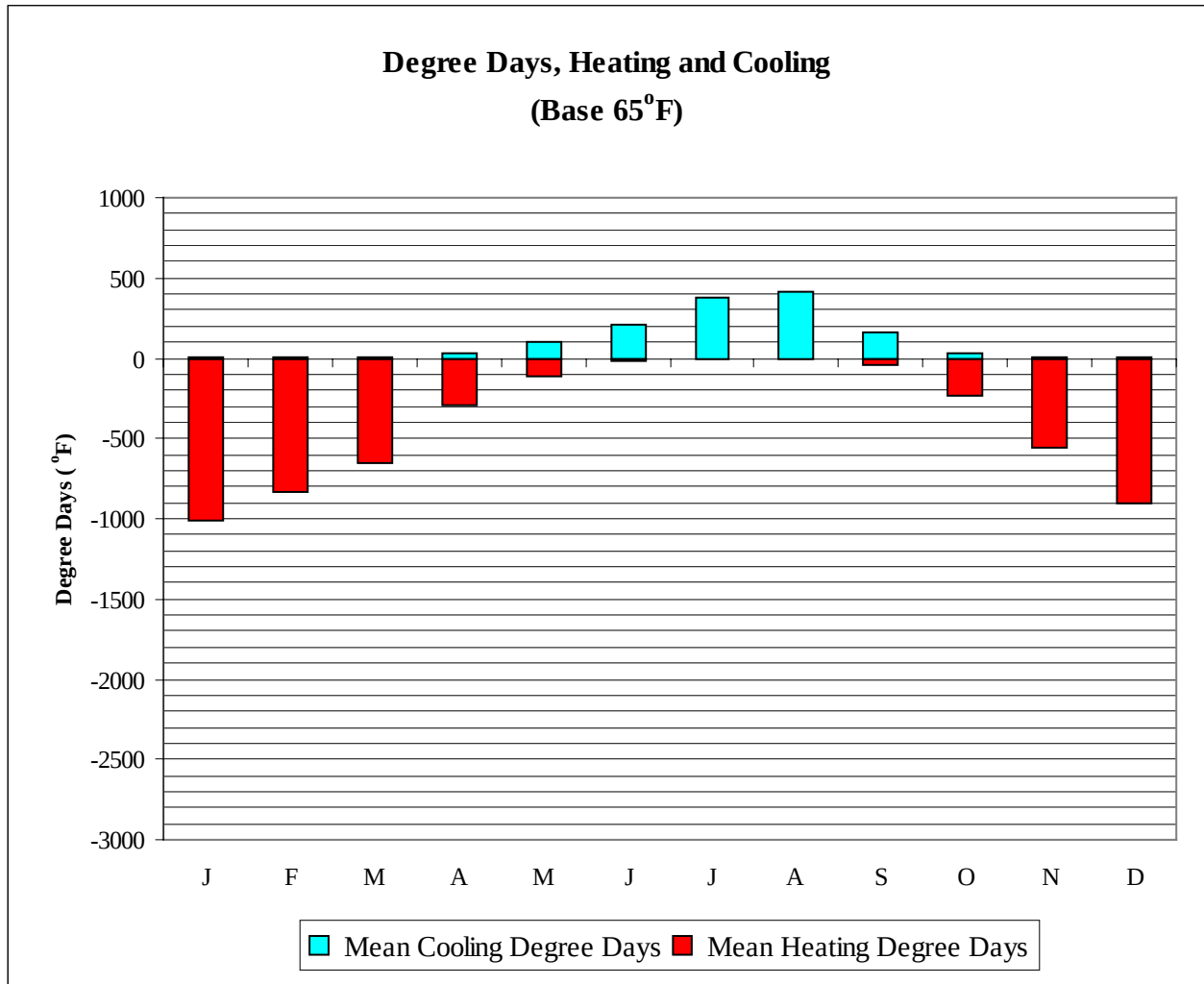


**TAEGU KO****WMO No. 471420****Long Term Dry Bulb Temperature and Humidity Summary**

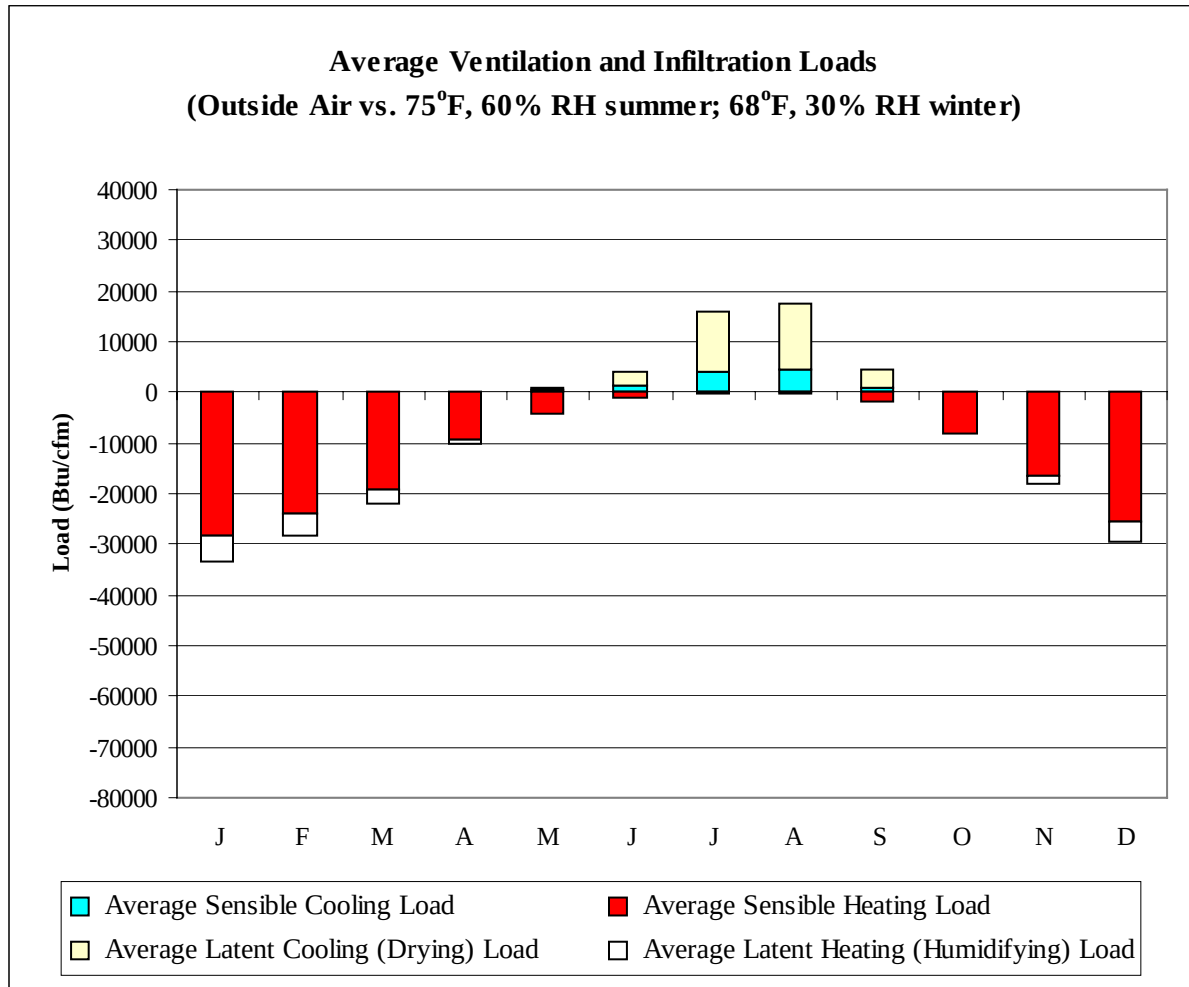
| Week Ending | 1.0% Temp (°F) | MCWB @ 1% Temp (°F) | Mean Max Temp (°F) | Mean Min Temp (°F) | 99% Temp (°F) | 1.0% HR (gr/lb) | MCDB @ 1% HR (°F) | Mean Max HR (gr/lb) | Mean Min HR (gr/lb) |
|-------------|----------------|---------------------|--------------------|--------------------|---------------|-----------------|-------------------|---------------------|---------------------|
| 7-Jan       | 50.5           | 42.2                | 40.1               | 23.8               | 14.0          | 40.6            | 45.2              | 22.3                | 12.6                |
| 14-Jan      | 52.0           | 42.8                | 40.4               | 22.4               | 14.0          | 40.6            | 47.8              | 21.4                | 11.2                |
| 21-Jan      | 50.0           | 42.6                | 38.9               | 21.0               | 9.0           | 37.8            | 44.5              | 20.3                | 10.5                |
| 28-Jan      | 52.0           | 43.1                | 40.8               | 21.9               | 9.0           | 40.6            | 45.1              | 20.7                | 11.1                |
| 4-Feb       | 50.0           | 41.3                | 39.6               | 21.5               | 12.0          | 35.7            | 42.7              | 19.9                | 10.6                |
| 11-Feb      | 55.0           | 46.1                | 42.6               | 23.5               | 12.0          | 41.3            | 53.0              | 22.2                | 12.2                |
| 18-Feb      | 59.0           | 47.9                | 45.2               | 26.5               | 16.0          | 41.3            | 46.1              | 24.5                | 14.1                |
| 25-Feb      | 59.0           | 51.5                | 45.2               | 28.0               | 17.0          | 46.9            | 50.7              | 26.1                | 15.0                |
| 4-Mar       | 59.0           | 49.3                | 47.2               | 28.1               | 18.0          | 46.9            | 52.2              | 26.0                | 14.9                |
| 11-Mar      | 63.0           | 48.1                | 51.3               | 31.1               | 23.0          | 49.7            | 55.7              | 28.7                | 17.0                |
| 18-Mar      | 63.0           | 49.0                | 53.3               | 33.3               | 25.0          | 46.9            | 54.1              | 31.0                | 18.8                |
| 25-Mar      | 68.0           | 53.5                | 55.5               | 35.7               | 27.0          | 55.3            | 54.1              | 34.7                | 21.6                |
| 1-Apr       | 72.0           | 55.1                | 59.7               | 38.0               | 30.0          | 63.0            | 58.1              | 37.2                | 23.4                |
| 8-Apr       | 75.0           | 57.1                | 63.4               | 40.0               | 32.0          | 66.5            | 62.2              | 41.4                | 25.2                |
| 15-Apr      | 76.0           | 69.0                | 65.9               | 43.3               | 34.0          | 81.9            | 67.6              | 47.0                | 29.0                |
| 22-Apr      | 79.0           | 60.9                | 67.6               | 45.6               | 37.0          | 76.3            | 66.0              | 49.8                | 32.0                |
| 29-Apr      | 81.0           | 60.7                | 72.3               | 48.6               | 41.0          | 86.8            | 70.1              | 57.2                | 36.0                |
| 6-May       | 82.0           | 63.0                | 72.3               | 51.0               | 43.0          | 93.5            | .                 | 60.3                | 39.8                |
| 13-May      | 88.0           | 66.1                | 75.7               | 53.0               | 44.0          | 98.0            | 74.9              | 66.2                | 43.9                |
| 20-May      | 86.0           | 63.8                | 75.5               | 53.2               | 45.0          | 97.3            | 71.0              | 66.4                | 44.7                |
| 27-May      | 88.0           | 66.5                | 78.6               | 55.9               | 48.0          | 97.3            | 74.2              | 71.2                | 49.9                |
| 3-Jun       | 90.0           | 69.1                | 79.8               | 59.0               | 50.0          | 104.3           | 76.9              | 79.1                | 57.8                |
| 10-Jun      | 91.0           | 69.5                | 81.1               | 61.0               | 54.0          | 117.6           | 82.2              | 86.3                | 63.0                |
| 17-Jun      | 91.0           | 70.0                | 82.7               | 63.5               | 57.0          | 119.7           | 77.5              | 91.8                | 69.6                |
| 24-Jun      | 90.0           | 71.5                | 81.3               | 64.6               | 57.0          | 126.7           | 80.1              | 96.7                | 75.2                |
| 1-Jul       | 90.0           | 73.1                | 82.6               | 66.7               | 61.0          | 135.1           | 81.5              | 106.9               | 84.2                |
| 8-Jul       | 95.0           | 79.2                | 82.8               | 68.5               | 61.0          | 142.8           | 86.9              | 112.9               | 89.7                |
| 15-Jul      | 97.0           | 80.9                | 84.6               | 70.7               | 63.0          | 151.2           | 89.3              | 123.8               | 99.7                |
| 22-Jul      | 98.0           | 85.0                | 87.5               | 72.7               | 64.0          | 160.3           | 91.0              | 129.5               | 105.3               |
| 29-Jul      | 99.0           | 80.0                | 89.6               | 73.9               | 66.0          | 151.2           | 86.2              | 133.1               | 109.6               |
| 5-Aug       | 99.0           | 79.6                | 90.4               | 73.9               | 64.0          | 151.9           | 86.2              | 132.7               | 107.9               |
| 12-Aug      | 99.0           | 80.3                | 89.9               | 73.3               | 66.0          | 151.2           | 89.6              | 130.7               | 106.8               |
| 19-Aug      | 95.0           | 78.3                | 88.3               | 73.0               | 68.0          | 147.7           | 86.5              | 128.9               | 106.4               |
| 26-Aug      | 95.0           | 78.2                | 86.9               | 71.0               | 64.0          | 145.6           | 82.5              | 124.3               | 100.3               |
| 2-Sep       | 95.0           | 76.6                | 85.0               | 69.5               | 61.0          | 142.1           | 84.5              | 118.0               | 95.5                |
| 9-Sep       | 91.0           | 73.2                | 82.6               | 66.5               | 59.0          | 140.7           | 83.3              | 109.1               | 84.8                |
| 16-Sep      | 86.0           | 72.0                | 79.3               | 62.0               | 54.0          | 133.0           | 80.6              | 95.7                | 73.8                |
| 23-Sep      | 85.0           | 73.1                | 78.2               | 58.9               | 50.0          | 117.6           | 77.6              | 87.7                | 64.7                |
| 30-Sep      | 84.0           | 66.6                | 76.4               | 56.1               | 48.0          | 103.6           | 72.0              | 79.3                | 57.4                |
| 7-Oct       | 82.0           | 65.1                | 73.6               | 53.4               | 45.0          | 91.7            | 71.5              | 72.6                | 52.5                |
| 14-Oct      | 81.0           | 63.0                | 72.0               | 49.9               | 41.0          | 96.6            | 67.6              | 65.8                | 45.3                |
| 21-Oct      | 75.0           | 60.7                | 68.8               | 47.8               | 39.0          | 84.7            | 67.5              | 58.4                | 41.1                |
| 28-Oct      | 75.0           | 59.8                | 66.5               | 43.7               | 34.0          | 73.5            | 68.9              | 53.1                | 35.1                |
| 4-Nov       | 75.0           | 63.0                | 64.1               | 41.1               | 32.0          | 84.7            | 67.3              | 49.5                | 31.6                |
| 11-Nov      | 72.0           | 59.3                | 61.0               | 40.4               | 28.0          | 74.9            | 61.3              | 48.0                | 31.3                |
| 18-Nov      | 66.0           | 56.6                | 56.7               | 36.7               | 26.0          | 65.8            | 58.6              | 41.7                | 26.3                |
| 25-Nov      | 63.0           | 54.3                | 53.0               | 33.2               | 25.0          | 65.1            | 58.3              | 35.8                | 21.7                |
| 2-Dec       | 60.0           | 51.3                | 50.1               | 30.3               | 19.0          | 56.0            | 55.0              | 31.8                | 18.3                |
| 9-Dec       | 61.0           | 50.3                | 48.3               | 28.6               | 19.0          | 53.9            | 56.3              | 30.0                | 17.4                |
| 16-Dec      | 57.0           | 49.7                | 45.4               | 27.0               | 18.0          | 50.4            | 52.8              | 26.9                | 15.6                |
| 23-Dec      | 52.0           | 43.6                | 43.2               | 25.2               | 16.0          | 37.1            | 45.9              | 23.8                | 13.5                |
| 31-Dec      | 55.0           | 44.6                | 41.9               | 22.8               | 12.0          | 38.5            | 43.9              | 22.5                | 11.9                |

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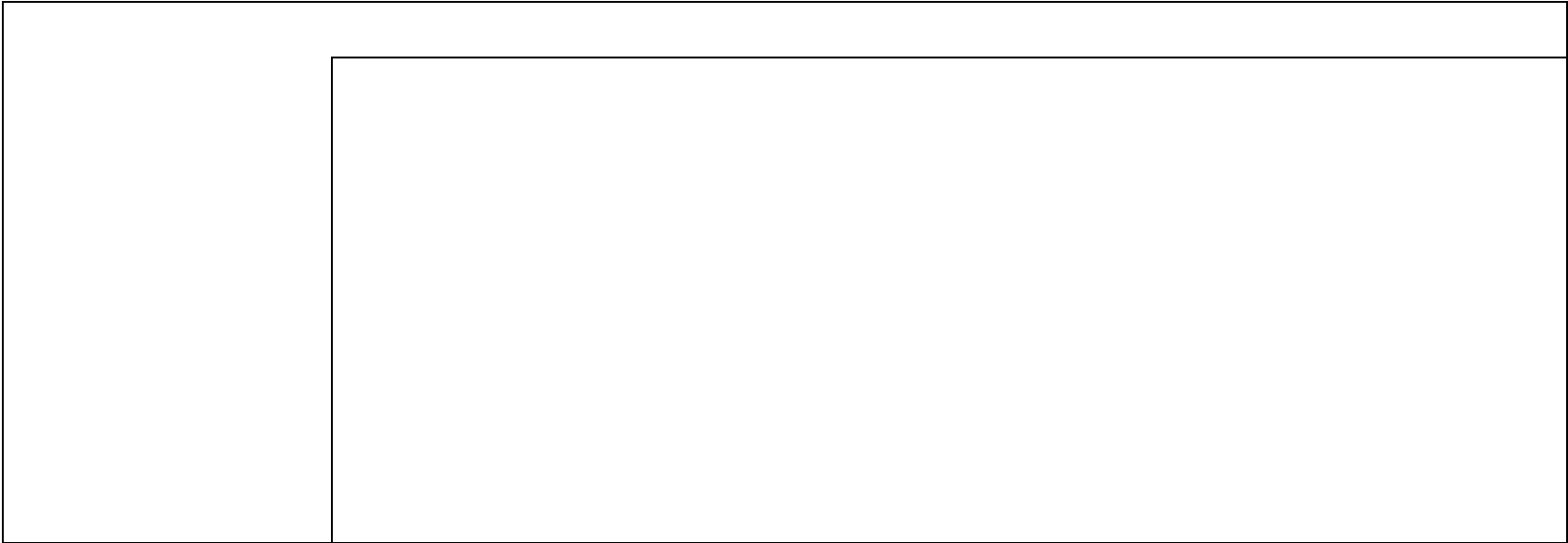
|     | Mean Cooling<br>Degree Days (°F) | Mean Heating<br>Degree Days (°F) |
|-----|----------------------------------|----------------------------------|
| JAN | 0                                | 1007                             |
| FEB | 0                                | 838                              |
| MAR | 1                                | 650                              |
| APR | 25                               | 291                              |
| MAY | 101                              | 110                              |
| JUN | 210                              | 17                               |
| JUL | 382                              | 2                                |
| AUG | 410                              | 1                                |
| SEP | 162                              | 37                               |
| OCT | 32                               | 238                              |
| NOV | 2                                | 552                              |
| DEC | 0                                | 903                              |
| ANN | 1325                             | 4646                             |



|     | Average Sensible Cooling Load | Average Sensible Heating Load | Average Latent Cooling Load | Average Latent Heating Load |
|-----|-------------------------------|-------------------------------|-----------------------------|-----------------------------|
|     | (Btu/cfm)                     | (Btu/cfm)                     | (Btu/cfm)                   | (Btu/cfm)                   |
| JAN | 0                             | -28378                        | 0                           | -5084                       |
| FEB | 0                             | -23792                        | 0                           | -4361                       |
| MAR | 1                             | -19194                        | 0                           | -2810                       |
| APR | 62                            | -9476                         | 34                          | -781                        |
| MAY | 554                           | -4217                         | 243                         | -69                         |
| JUN | 1406                          | -938                          | 2612                        | 0                           |
| JUL | 3967                          | -154                          | 12068                       | 0                           |
| AUG | 4352                          | -72                           | 13217                       | 0                           |
| SEP | 909                           | -1690                         | 3475                        | -1                          |
| OCT | 71                            | -8054                         | 116                         | -136                        |
| NOV | 0                             | -16485                        | 1                           | -1553                       |
| DEC | 0                             | -25683                        | 0                           | -3949                       |
| ANN | 11322                         | -138133                       | 31766                       | -18744                      |

**Average Annual Solar Radiation – Nearest Available Site**  
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

No Solar Radiation  
Data Available



**Average Annual Solar Heat and Illumination – Nearest Available Site**

(Source: National Renewable Energy Laboratory, Golden CO, 1995)

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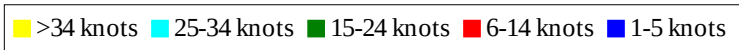
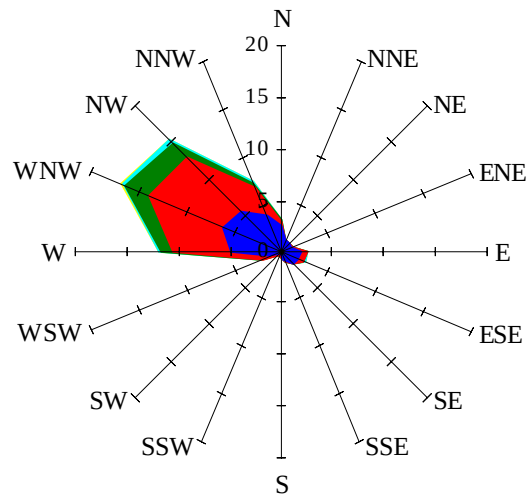
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### Wind Summary - December, January, and February

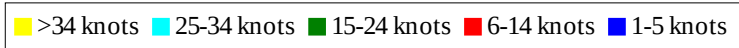
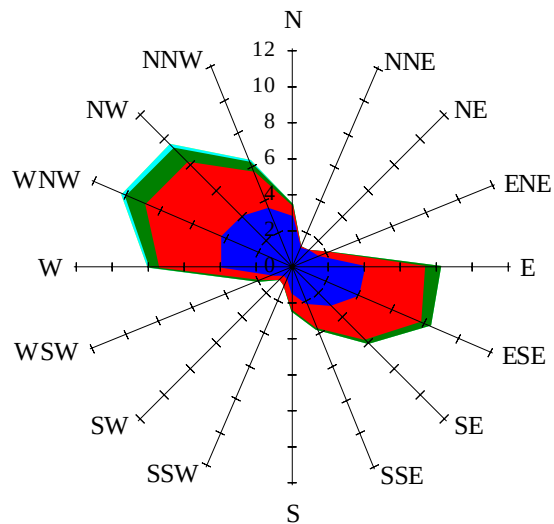
Labels of Percent Frequency on North Axis



Percent Calm = 30.88

### Wind Summary - March, April, and May

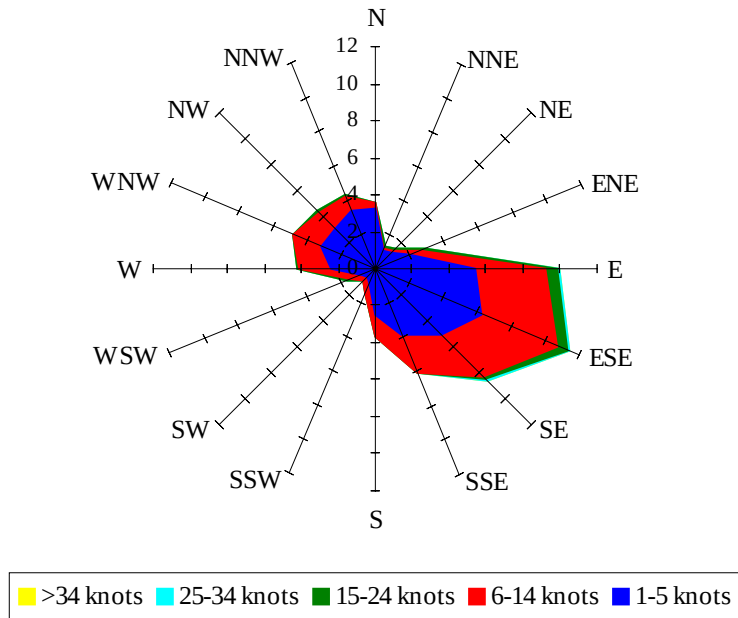
Labels of Percent Frequency on North Axis



Percent Calm = 25.48

### Wind Summary - June, July, and August

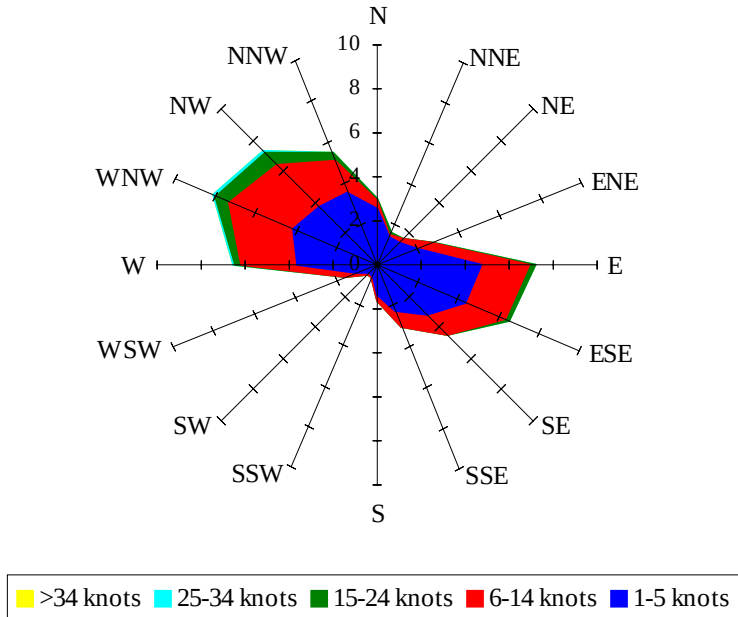
Labels of Percent Frequency on North Axis



Percent Calm = 29.44

### Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 37.88