

Burgeo

| Historical IDF, 2015 Update to Observational Records |                         |        |        |        |        |        |
|------------------------------------------------------|-------------------------|--------|--------|--------|--------|--------|
| Duration                                             | Return Interval (years) |        |        |        |        |        |
|                                                      | 2                       | 5      | 10     | 25     | 50     | 100    |
| 5 min                                                | 5.80                    | 7.52   | 8.66   | 10.10  | 11.17  | 12.22  |
| 10 min                                               | 8.31                    | 10.76  | 12.39  | 14.45  | 15.97  | 17.48  |
| 15 min                                               | 10.41                   | 13.49  | 15.54  | 18.12  | 20.03  | 21.93  |
| 30 min                                               | 14.40                   | 17.92  | 20.25  | 23.19  | 25.38  | 27.54  |
| 1 hour                                               | 19.65                   | 24.19  | 27.19  | 30.98  | 33.79  | 36.58  |
| 2 hour                                               | 28.04                   | 34.09  | 38.10  | 43.15  | 46.91  | 50.63  |
| 6 hour                                               | 46.27                   | 56.44  | 63.17  | 71.67  | 77.98  | 84.24  |
| 12 hour                                              | 59.59                   | 70.98  | 78.52  | 88.06  | 95.13  | 102.15 |
| 24 hour                                              | 71.89                   | 86.22  | 95.70  | 107.69 | 116.58 | 125.41 |
| Projected IDF Data, 2041-2070                        |                         |        |        |        |        |        |
| Duration                                             | Return Interval (years) |        |        |        |        |        |
|                                                      | 2                       | 5      | 10     | 25     | 50     | 100    |
| 5 min                                                | 7.15                    | 9.1    | 10.39  | 12.02  | 13.23  | 14.44  |
| 10 min                                               | 10.23                   | 13.02  | 14.86  | 17.19  | 18.92  | 20.64  |
| 15 min                                               | 12.82                   | 16.32  | 18.64  | 21.57  | 23.74  | 25.9   |
| 30 min                                               | 17.15                   | 21.14  | 23.79  | 27.13  | 29.61  | 32.07  |
| 1 hour                                               | 23.2                    | 28.34  | 31.74  | 36.05  | 39.24  | 42.4   |
| 2 hour                                               | 32.77                   | 39.63  | 44.18  | 49.92  | 54.18  | 58.41  |
| 6 hour                                               | 54.22                   | 65.75  | 73.39  | 83.04  | 90.2   | 97.31  |
| 12 hour                                              | 68.49                   | 81.42  | 89.99  | 100.8  | 108.83 | 116.79 |
| 24 hour                                              | 83.09                   | 99.35  | 110.12 | 123.72 | 133.82 | 143.83 |
| Projected IDF Data, 2071-2100                        |                         |        |        |        |        |        |
| Duration                                             | Return Interval (years) |        |        |        |        |        |
|                                                      | 2                       | 5      | 10     | 25     | 50     | 100    |
| 5 min                                                | 7.96                    | 10.28  | 11.82  | 13.76  | 15.2   | 16.63  |
| 10 min                                               | 11.4                    | 14.71  | 16.91  | 19.68  | 21.74  | 23.78  |
| 15 min                                               | 14.29                   | 18.45  | 21.2   | 24.68  | 27.27  | 29.83  |
| 30 min                                               | 18.82                   | 23.57  | 26.72  | 30.69  | 33.63  | 36.56  |
| 1 hour                                               | 25.35                   | 31.47  | 35.51  | 40.63  | 44.42  | 48.19  |
| 2 hour                                               | 35.65                   | 43.81  | 49.21  | 56.03  | 61.1   | 66.12  |
| 6 hour                                               | 59.05                   | 72.76  | 81.84  | 93.31  | 101.82 | 110.27 |
| 12 hour                                              | 73.91                   | 89.28  | 99.46  | 112.32 | 121.86 | 131.32 |
| 24 hour                                              | 89.9                    | 109.23 | 122.03 | 138.2  | 150.2  | 162.11 |

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| Duration                                             | Return Interval (years) |        |        |        |        |        |
|                                                      | 2                       | 5      | 10     | 25     | 50     | 100    |
| 5 min                                                | 5.8                     | 7.52   | 8.66   | 10.1   | 11.17  | 12.22  |
| 10 min                                               | 8.31                    | 10.76  | 12.39  | 14.45  | 15.97  | 17.48  |
| 15 min                                               | 10.41                   | 13.49  | 15.54  | 18.12  | 20.03  | 21.93  |
| 30 min                                               | 14.4                    | 17.92  | 20.25  | 23.19  | 25.38  | 27.54  |
| 1 hour                                               | 19.65                   | 24.19  | 27.19  | 30.98  | 33.79  | 36.58  |
| 2 hour                                               | 28.04                   | 34.09  | 38.1   | 43.15  | 46.91  | 50.63  |
| 6 hour                                               | 46.27                   | 56.44  | 63.17  | 71.67  | 77.98  | 84.24  |
| 12 hour                                              | 59.59                   | 70.98  | 78.52  | 88.06  | 95.13  | 102.15 |
| 24 hour                                              | 71.89                   | 86.22  | 95.7   | 107.69 | 116.58 | 125.41 |
| 10th Percentile of Projection Ensemble, 2041-2070    |                         |        |        |        |        |        |
| Duration                                             | Return Interval (years) |        |        |        |        |        |
|                                                      | 2                       | 5      | 10     | 25     | 50     | 100    |
| 5 min                                                | 6.2                     | 7.65   | 8.59   | 9.78   | 10.66  | 11.54  |
| 10 min                                               | 8.88                    | 10.95  | 12.29  | 13.99  | 15.25  | 16.5   |
| 15 min                                               | 11.13                   | 13.72  | 15.41  | 17.54  | 19.13  | 20.7   |
| 30 min                                               | 15.22                   | 18.18  | 20.1   | 22.54  | 24.34  | 26.14  |
| 1 hour                                               | 20.71                   | 24.52  | 27     | 30.14  | 32.46  | 34.77  |
| 2 hour                                               | 29.45                   | 34.54  | 37.85  | 42.03  | 45.14  | 48.22  |
| 6 hour                                               | 48.63                   | 57.18  | 62.75  | 69.78  | 75     | 80.18  |
| 12 hour                                              | 62.24                   | 71.82  | 78.06  | 85.94  | 91.79  | 97.6   |
| 24 hour                                              | 75.22                   | 87.27  | 95.12  | 105.03 | 112.39 | 119.69 |
| 10th Percentile of Projection Ensemble, 2071-2100    |                         |        |        |        |        |        |
| Duration                                             | Return Interval (years) |        |        |        |        |        |
|                                                      | 2                       | 5      | 10     | 25     | 50     | 100    |
| 5 min                                                | 7.64                    | 9.63   | 10.95  | 12.62  | 13.86  | 15.08  |
| 10 min                                               | 10.93                   | 13.78  | 15.66  | 18.05  | 19.81  | 21.57  |
| 15 min                                               | 13.7                    | 17.28  | 19.64  | 22.64  | 24.86  | 27.06  |
| 30 min                                               | 18.15                   | 22.23  | 24.94  | 28.35  | 30.88  | 33.4   |
| 1 hour                                               | 24.49                   | 29.74  | 33.22  | 37.62  | 40.88  | 44.12  |
| 2 hour                                               | 34.49                   | 41.51  | 46.15  | 52.02  | 56.37  | 60.69  |
| 6 hour                                               | 57.11                   | 68.9   | 76.71  | 86.57  | 93.88  | 101.15 |
| 12 hour                                              | 71.74                   | 84.95  | 93.7   | 104.76 | 112.96 | 121.1  |
| 24 hour                                              | 87.17                   | 103.79 | 114.79 | 128.7  | 139.01 | 149.25 |

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| Duration                                             | Return Interval (years) |        |        |        |        |        |
|                                                      | 2                       | 5      | 10     | 25     | 50     | 100    |
| 5 min                                                | 5.8                     | 7.52   | 8.66   | 10.1   | 11.17  | 12.22  |
| 10 min                                               | 8.31                    | 10.76  | 12.39  | 14.45  | 15.97  | 17.48  |
| 15 min                                               | 10.41                   | 13.49  | 15.54  | 18.12  | 20.03  | 21.93  |
| 30 min                                               | 14.4                    | 17.92  | 20.25  | 23.19  | 25.38  | 27.54  |
| 1 hour                                               | 19.65                   | 24.19  | 27.19  | 30.98  | 33.79  | 36.58  |
| 2 hour                                               | 28.04                   | 34.09  | 38.1   | 43.15  | 46.91  | 50.63  |
| 6 hour                                               | 46.27                   | 56.44  | 63.17  | 71.67  | 77.98  | 84.24  |
| 12 hour                                              | 59.59                   | 70.98  | 78.52  | 88.06  | 95.13  | 102.15 |
| 24 hour                                              | 71.89                   | 86.22  | 95.7   | 107.69 | 116.58 | 125.41 |
| 90th Percentile of Projection Ensemble, 2041-2070    |                         |        |        |        |        |        |
| Duration                                             | Return Interval (years) |        |        |        |        |        |
|                                                      | 2                       | 5      | 10     | 25     | 50     | 100    |
| 5 min                                                | 7.75                    | 10.16  | 11.75  | 13.77  | 15.26  | 16.75  |
| 10 min                                               | 11.09                   | 14.53  | 16.81  | 19.69  | 21.82  | 23.94  |
| 15 min                                               | 13.9                    | 18.22  | 21.08  | 24.7   | 27.38  | 30.04  |
| 30 min                                               | 18.38                   | 23.31  | 26.58  | 30.7   | 33.76  | 36.8   |
| 1 hour                                               | 24.79                   | 31.13  | 35.34  | 40.65  | 44.58  | 48.49  |
| 2 hour                                               | 34.89                   | 43.36  | 48.97  | 56.06  | 61.32  | 66.53  |
| 6 hour                                               | 57.78                   | 72.02  | 81.45  | 93.36  | 102.19 | 110.96 |
| 12 hour                                              | 72.49                   | 88.45  | 99.01  | 112.37 | 122.27 | 132.1  |
| 24 hour                                              | 88.11                   | 108.19 | 121.48 | 138.27 | 150.72 | 163.09 |
| 90th Percentile of Projection Ensemble, 2071-2100    |                         |        |        |        |        |        |
| Duration                                             | Return Interval (years) |        |        |        |        |        |
|                                                      | 2                       | 5      | 10     | 25     | 50     | 100    |
| 5 min                                                | 8.5                     | 10.95  | 12.61  | 14.7   | 16.25  | 17.79  |
| 10 min                                               | 12.16                   | 15.67  | 18.03  | 21.02  | 23.23  | 25.43  |
| 15 min                                               | 15.24                   | 19.65  | 22.62  | 26.36  | 29.15  | 31.91  |
| 30 min                                               | 19.91                   | 24.94  | 28.33  | 32.6   | 35.78  | 38.93  |
| 1 hour                                               | 26.75                   | 33.23  | 37.59  | 43.1   | 47.18  | 51.24  |
| 2 hour                                               | 37.52                   | 46.16  | 51.98  | 59.33  | 64.78  | 70.2   |
| 6 hour                                               | 62.19                   | 76.72  | 86.5   | 98.85  | 108.02 | 117.12 |
| 12 hour                                              | 77.44                   | 93.71  | 104.67 | 118.52 | 128.8  | 139    |
| 24 hour                                              | 94.33                   | 114.8  | 128.59 | 146.01 | 158.93 | 171.76 |