

| Historical IDF, 2015 Update to Observational Records |                         |       |       |       |        |        |
|------------------------------------------------------|-------------------------|-------|-------|-------|--------|--------|
| Duration                                             | Return Interval (years) |       |       |       |        |        |
|                                                      | 2                       | 5     | 10    | 25    | 50     | 100    |
| 5 min                                                | 3.96                    | 5.53  | 6.57  | 7.88  | 8.86   | 9.83   |
| 10 min                                               | 5.7                     | 8.1   | 9.68  | 11.69 | 13.17  | 14.65  |
| 15 min                                               | 6.8                     | 9.6   | 11.46 | 13.8  | 15.54  | 17.26  |
| 30 min                                               | 8.64                    | 12.04 | 14.29 | 17.13 | 19.24  | 21.34  |
| 1 hour                                               | 10.96                   | 14.49 | 16.83 | 19.78 | 21.97  | 24.15  |
| 2 hour                                               | 14.31                   | 18.31 | 20.95 | 24.29 | 26.77  | 29.23  |
| 6 hour                                               | 23.88                   | 29.52 | 33.26 | 37.99 | 41.5   | 44.98  |
| 12 hour                                              | 32.1                    | 40    | 45.23 | 51.84 | 56.74  | 61.61  |
| 24 hour                                              | 40.65                   | 51.89 | 59.33 | 68.73 | 75.7   | 82.63  |
| Projected IDF Data, 2041-2070                        |                         |       |       |       |        |        |
| Duration                                             | Return Interval (years) |       |       |       |        |        |
|                                                      | 2                       | 5     | 10    | 25    | 50     | 100    |
| 5 min                                                | 5.27                    | 7.29  | 8.63  | 10.32 | 11.57  | 12.81  |
| 10 min                                               | 7.7                     | 10.78 | 12.82 | 15.39 | 17.31  | 19.2   |
| 15 min                                               | 9.13                    | 12.74 | 15.12 | 18.14 | 20.37  | 22.59  |
| 30 min                                               | 11.47                   | 15.85 | 18.74 | 22.4  | 25.11  | 27.81  |
| 1 hour                                               | 13.9                    | 18.44 | 21.45 | 25.25 | 28.07  | 30.86  |
| 2 hour                                               | 17.64                   | 22.78 | 26.18 | 30.48 | 33.67  | 36.84  |
| 6 hour                                               | 28.58                   | 35.85 | 40.66 | 46.74 | 51.25  | 55.73  |
| 12 hour                                              | 38.69                   | 48.85 | 55.58 | 64.08 | 70.38  | 76.64  |
| 24 hour                                              | 50.02                   | 64.48 | 74.05 | 86.14 | 95.11  | 104.02 |
| Projected IDF Data, 2071-2100                        |                         |       |       |       |        |        |
| Duration                                             | Return Interval (years) |       |       |       |        |        |
|                                                      | 2                       | 5     | 10    | 25    | 50     | 100    |
| 5 min                                                | 6                       | 8.2   | 9.65  | 11.48 | 12.85  | 14.2   |
| 10 min                                               | 8.82                    | 12.16 | 14.38 | 17.17 | 19.25  | 21.31  |
| 15 min                                               | 10.45                   | 14.36 | 16.95 | 20.22 | 22.65  | 25.06  |
| 30 min                                               | 13.06                   | 17.81 | 20.96 | 24.93 | 27.87  | 30.8   |
| 1 hour                                               | 15.55                   | 20.48 | 23.75 | 27.87 | 30.93  | 33.97  |
| 2 hour                                               | 19.51                   | 25.09 | 28.78 | 33.45 | 36.91  | 40.35  |
| 6 hour                                               | 31.23                   | 39.12 | 44.34 | 50.94 | 55.84  | 60.7   |
| 12 hour                                              | 42.38                   | 53.42 | 60.72 | 69.95 | 76.8   | 83.6   |
| 24 hour                                              | 55.27                   | 70.97 | 81.36 | 94.49 | 104.23 | 113.9  |

| Goose Bay                                            |                         |       |       |       |       |       |
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| Historical IDF, 2015 Update to Observational Records |                         |       |       |       |       |       |
| Duration                                             | Return Interval (years) |       |       |       |       |       |
|                                                      | 2                       | 5     | 10    | 25    | 50    | 100   |
| 5 min                                                | 3.96                    | 5.53  | 6.57  | 7.88  | 8.86  | 9.83  |
| 10 min                                               | 5.7                     | 8.1   | 9.68  | 11.69 | 13.17 | 14.65 |
| 15 min                                               | 6.8                     | 9.6   | 11.46 | 13.8  | 15.54 | 17.26 |
| 30 min                                               | 8.64                    | 12.04 | 14.29 | 17.13 | 19.24 | 21.34 |
| 1 hour                                               | 10.96                   | 14.49 | 16.83 | 19.78 | 21.97 | 24.15 |
| 2 hour                                               | 14.31                   | 18.31 | 20.95 | 24.29 | 26.77 | 29.23 |
| 6 hour                                               | 23.88                   | 29.52 | 33.26 | 37.99 | 41.5  | 44.98 |
| 12 hour                                              | 32.1                    | 40    | 45.23 | 51.84 | 56.74 | 61.61 |
| 24 hour                                              | 40.65                   | 51.89 | 59.33 | 68.73 | 75.7  | 82.63 |
| 10th Percentile of Projection Ensemble, 2041-2070    |                         |       |       |       |       |       |
| Duration                                             | Return Interval (years) |       |       |       |       |       |
|                                                      | 2                       | 5     | 10    | 25    | 50    | 100   |
| 5 min                                                | 4.49                    | 5.92  | 6.86  | 8.04  | 8.92  | 9.8   |
| 10 min                                               | 6.51                    | 8.69  | 10.12 | 11.93 | 13.27 | 14.6  |
| 15 min                                               | 7.75                    | 10.29 | 11.97 | 14.08 | 15.65 | 17.21 |
| 30 min                                               | 9.79                    | 12.88 | 14.91 | 17.48 | 19.39 | 21.28 |
| 1 hour                                               | 12.16                   | 15.36 | 17.47 | 20.14 | 22.12 | 24.08 |
| 2 hour                                               | 15.67                   | 19.29 | 21.68 | 24.7  | 26.94 | 29.16 |
| 6 hour                                               | 25.79                   | 30.92 | 34.3  | 38.57 | 41.73 | 44.87 |
| 12 hour                                              | 34.78                   | 41.95 | 46.68 | 52.64 | 57.07 | 61.46 |
| 24 hour                                              | 44.46                   | 54.67 | 61.39 | 69.87 | 76.17 | 82.42 |
| 10th Percentile of Projection Ensemble, 2071-2100    |                         |       |       |       |       |       |
| Duration                                             | Return Interval (years) |       |       |       |       |       |
|                                                      | 2                       | 5     | 10    | 25    | 50    | 100   |
| 5 min                                                | 4.84                    | 6.81  | 8.12  | 9.77  | 11    | 12.21 |
| 10 min                                               | 7.04                    | 10.05 | 12.05 | 14.56 | 16.43 | 18.29 |
| 15 min                                               | 8.36                    | 11.89 | 14.22 | 17.17 | 19.35 | 21.52 |
| 30 min                                               | 10.54                   | 14.82 | 17.65 | 21.22 | 23.88 | 26.51 |
| 1 hour                                               | 12.93                   | 17.37 | 20.31 | 24.03 | 26.78 | 29.52 |
| 2 hour                                               | 16.54                   | 21.57 | 24.89 | 29.1  | 32.21 | 35.31 |
| 6 hour                                               | 27.03                   | 34.14 | 38.84 | 44.78 | 49.19 | 53.57 |
| 12 hour                                              | 36.51                   | 46.45 | 53.03 | 61.34 | 67.51 | 73.63 |
| 24 hour                                              | 46.93                   | 61.06 | 70.42 | 82.24 | 91.01 | 99.72 |

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| Duration                                             | Return Interval (years) |       |       |        |        |        |
|                                                      | 2                       | 5     | 10    | 25     | 50     | 100    |
| 5 min                                                | 3.96                    | 5.53  | 6.57  | 7.88   | 8.86   | 9.83   |
| 10 min                                               | 5.7                     | 8.1   | 9.68  | 11.69  | 13.17  | 14.65  |
| 15 min                                               | 6.8                     | 9.6   | 11.46 | 13.8   | 15.54  | 17.26  |
| 30 min                                               | 8.64                    | 12.04 | 14.29 | 17.13  | 19.24  | 21.34  |
| 1 hour                                               | 10.96                   | 14.49 | 16.83 | 19.78  | 21.97  | 24.15  |
| 2 hour                                               | 14.31                   | 18.31 | 20.95 | 24.29  | 26.77  | 29.23  |
| 6 hour                                               | 23.88                   | 29.52 | 33.26 | 37.99  | 41.5   | 44.98  |
| 12 hour                                              | 32.1                    | 40    | 45.23 | 51.84  | 56.74  | 61.61  |
| 24 hour                                              | 40.65                   | 51.89 | 59.33 | 68.73  | 75.7   | 82.63  |
| 90th Percentile of Projection Ensemble, 2041-2070    |                         |       |       |        |        |        |
| Duration                                             | Return Interval (years) |       |       |        |        |        |
|                                                      | 2                       | 5     | 10    | 25     | 50     | 100    |
| 5 min                                                | 6.33                    | 8.93  | 10.65 | 12.83  | 14.45  | 16.06  |
| 10 min                                               | 9.32                    | 13.28 | 15.9  | 19.23  | 21.7   | 24.15  |
| 15 min                                               | 11.03                   | 15.66 | 18.73 | 22.63  | 25.51  | 28.38  |
| 30 min                                               | 13.78                   | 19.4  | 23.12 | 27.85  | 31.35  | 34.83  |
| 1 hour                                               | 16.3                    | 22.13 | 26    | 30.9   | 34.54  | 38.16  |
| 2 hour                                               | 20.35                   | 26.95 | 31.33 | 36.88  | 41     | 45.09  |
| 6 hour                                               | 32.41                   | 41.75 | 47.94 | 55.79  | 61.62  | 67.4   |
| 12 hour                                              | 44.04                   | 57.1  | 65.75 | 76.73  | 84.88  | 92.96  |
| 24 hour                                              | 57.63                   | 76.21 | 88.52 | 104.14 | 115.73 | 127.23 |
| 90th Percentile of Projection Ensemble, 2071-2100    |                         |       |       |        |        |        |
| Duration                                             | Return Interval (years) |       |       |        |        |        |
|                                                      | 2                       | 5     | 10    | 25     | 50     | 100    |
| 5 min                                                | 7.46                    | 10.21 | 12.03 | 14.33  | 16.03  | 17.72  |
| 10 min                                               | 11.04                   | 15.23 | 18    | 21.51  | 24.11  | 26.69  |
| 15 min                                               | 13.05                   | 17.95 | 21.19 | 25.29  | 28.33  | 31.35  |
| 30 min                                               | 16.22                   | 22.17 | 26.11 | 31.08  | 34.77  | 38.43  |
| 1 hour                                               | 18.84                   | 25.01 | 29.1  | 34.26  | 38.09  | 41.9   |
| 2 hour                                               | 23.22                   | 30.21 | 34.84 | 40.68  | 45.02  | 49.32  |
| 6 hour                                               | 36.48                   | 46.36 | 52.9  | 61.17  | 67.3   | 73.39  |
| 12 hour                                              | 49.73                   | 63.55 | 72.7  | 84.26  | 92.83  | 101.35 |
| 24 hour                                              | 65.72                   | 85.38 | 98.4  | 114.84 | 127.04 | 139.15 |