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## DOCUMENTATION OF FIRST \& LAST ICE DATES \& ICE DURATION FILES

The table below contains the file names for the date of first reported ice (FST). There are similar files for the dates of last reported ice (LST), and for ice duration (DUR).

| COMPRESSED FILE | UNCOMPRESSED FILE Names | Number of <br> files |
| :---: | :---: | :---: |
|  |  |  |
| FSTGRID19732002.zip | FSTYYMM.DAT | 270 |
| FSTPLOT19732002.zip | FSTYYMM.PNG, | 270 |
|  |  |  |
| FSTMINGRID30.ZIP | FST7302GEMM.MIN | 9 |
| FSTMINPLOT30.ZIP | MINFST7302GEMM.PNG | 9 |
| FSTAVEGRID30.zip | FST7302GEMM.AVE | 9 |
| FSTAVEPLOT30.zip | AVEFST7302GEMM.PNG | 9 |
|  |  | 9 |
| FSTMAXGRID30.ZIP | FST7302GEMM.MAX, | 9 |
| FSTMAXPLOT30.ZIP | MAXFST7302GEMM.PNG | 9 |

Where: FST = first reported ice file, GRID = ASCII data file, PLOT = ice chart plot file, $\mathrm{YY}=$ year (73, 74,..02), MM = ice threshold value (ge10, ge20,...ge90), ge = greater/equal, 7302 = 1973-2002, MIN = minimum, MAX = maximum, AVE = average

## GRID File Structure

There are 510 records for each GRID file. Each record has 516 "cells" in a I3 format.

## GRID Data Codes

code $=-1$ (land)
code $=0$ (ice cover concentration is less then the threshold value)
code $=1$ to 182 (date that the ice cover concentration threshold value was first (or last) observed. For example if the date code for a single grid cell on a file of "first date ice cover greater or equal to $90 \%$ " was 63 , that corresponds to a date of February 1; if the date code for a single grid cell on a file of "last date ice cover greater or equal to $90 \%$ " was 122 , that corresponds to a date of April 1 . See Table 1 below for a complete list of the first / last date codes and associated dates.

Table Summary of the First ice and Last ice date codes and associated calender dates*

| Day Code |  | Day Code |  | Day Code |  | Day Code |  | Day Code |  | Day Code |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 001 | Dec 1 | 032 | Jan 1 | 063 | Feb 1 | 091 | Mar 1 | 122 | Apr 1 | 152 | May 1 |
| 002 | Dec 2 | 033 | Jan 2 | 064 | Feb 2 | 092 | Mar 2 | 123 | Apr 2 | 153 | May 2 |
| 003 | Dec 3 | 034 | Jan 3 | 065 | Feb 3 | 093 | Mar 3 | 124 | Apr 3 | 154 | May 3 |
| 004 | Dec 4 | 035 | Jan 4 | 066 | Feb 4 | 094 | Mar 4 | 125 | Apr 4 | 155 | May 4 |
| 005 | Dec 5 | 036 | Jan 5 | 067 | Feb 5 | 095 | Mar 5 | 126 | Apr 5 | 156 | May 5 |
| 006 | Dec 6 | 037 | Jan 6 | 068 | Feb 6 | 096 | Mar 6 | 127 | Apr 6 | 157 | May 6 |
| 007 | Dec 7 | 038 | Jan 7 | 069 | Feb 7 | 097 | Mar 7 | 128 | Apr 7 | 158 | May 7 |
| 008 | Dec 8 | 039 | Jan 8 | 070 | Feb 8 | 098 | Mar 8 | 129 | Apr 8 | 159 | May 8 |
| 009 | Dec 9 | 040 | Jan 9 | 071 | Feb 9 | 099 | Mar 9 | 130 | Apr 9 | 160 | May 9 |
| 010 | Dec 10 | 041 | Jan 10 | 072 | Feb 10 | 100 | Mar 10 | 131 | Apr 10 | 161 | May 10 |
| 011 | Dec 11 | 042 | Jan 11 | 073 | Feb 11 | 101 | Mar 11 | 132 | Apr 11 | 162 | May 11 |
| 012 | Dec 12 | 043 | Jan 12 | 074 | Feb 12 | 102 | Mar 12 | 133 | Apr 12 | 163 | May 12 |
| 013 | Dec 13 | 044 | Jan 13 | 075 | Feb 13 | 103 | Mar 13 | 134 | Apr 13 | 164 | May 13 |
| 014 | Dec 14 | 045 | Jan 14 | 076 | Feb 14 | 104 | Mar 14 | 135 | Apr 14 | 165 | May 14 |
| 015 | Dec 15 | 046 | Jan 15 | 077 | Feb 15 | 105 | Mar 15 | 136 | Apr 15 | 166 | May 15 |
| 016 | Dec 16 | 047 | Jan 16 | 078 | Feb 16 | 106 | Mar 16 | 137 | Apr 16 | 167 | May 16 |
| 017 | Dec 17 | 048 | Jan 17 | 079 | Feb 17 | 107 | Mar 17 | 138 | Apr 17 | 168 | May 17 |
| 018 | Dec 18 | 049 | Jan 18 | 080 | Feb 18 | 108 | Mar 18 | 139 | Apr 18 | 169 | May 18 |
| 019 | Dec 19 | 050 | Jan 19 | 081 | Feb 19 | 109 | Mar 19 | 140 | Apr 19 | 170 | May 19 |
| 020 | Dec 20 | 051 | Jan 20 | 082 | Feb 20 | 110 | Mar 20 | 141 | Apr 20 | 171 | May 20 |
| 021 | Dec 21 | 052 | Jan 21 | 083 | Feb 21 | 111 | Mar 21 | 142 | Apr 21 | 172 | May 21 |
| 022 | Dec 22 | 053 | Jan 22 | 084 | Feb 22 | 112 | Mar 22 | 143 | Apr 22 | 173 | May 22 |
| 023 | Dec 23 | 054 | Jan 23 | 085 | Feb 23 | 113 | Mar 23 | 144 | Apr 23 | 174 | May 23 |
| 024 | Dec 24 | 055 | Jan 24 | 086 | Feb 24 | 114 | Mar 24 | 145 | Apr 24 | 175 | May 24 |
| 025 | Dec 25 | 056 | Jan 25 | 087 | Feb 25 | 115 | Mar 25 | 146 | Apr 25 | 176 | May 25 |
| 026 | Dec 26 | 057 | Jan 26 | 088 | Feb 26 | 116 | Mar 26 | 147 | Apr 26 | 177 | May 26 |
| 027 | Dec 27 | 058 | Jan 27 | 089 | Feb 27 | 117 | Mar 27 | 148 | Apr 27 | 178 | May 27 |
| 028 | Dec 28 | 059 | Jan 28 | 090 | Feb 28 | 118 | Mar 28 | 149 | Apr 28 | 179 | May 28 |
| 029 | Dec 29 | 060 | Jan 29 |  |  | 119 | Mar 29 | 150 | Apr 29 | 180 | May 29 |
| 030 | Dec 30 | 061 | Jan 30 |  |  | 120 | Mar 30 | 151 | Apr 30 |  | May 30 |
| 031 | Dec 31 | 062 | Jan 31 |  |  | 121 | Mar 31 |  |  | 182 | May 31 |

* Note for Leap years code $91=$ Feb 29, code $92=$ Mar 1 and so on)

