

CO<sub>2</sub>-values in Scandinavia August—October 1957

(Cf, FONSELIUS, KOROLEFF: Tellus 7, pp. 258—265)

| Station | August |      |         |         |                         | September |      |         |         |                         | October |      |         |         |                         |
|---------|--------|------|---------|---------|-------------------------|-----------|------|---------|---------|-------------------------|---------|------|---------|---------|-------------------------|
|         | Date   | °C   | Wind    | Weather | CO <sub>2</sub> ml/10 l | Date      | °C   | Wind    | Weather | CO <sub>2</sub> ml/10 l | Date    | °C   | Wind    | Weather | CO <sub>2</sub> ml/10 l |
| Ab      | 12     | 11.0 | N 2     | ●°      | 9 4.36                  | 1         | 10.0 | E 8     | = 3     | 2.96                    | 22      | —4.0 | SW 3    | 8       | 3.35                    |
|         | 25     | 12.0 | SW 4    | 1       | 3.21                    | 23        | 2.0  | ESE 7   | 8       | 3.00                    | 23      | —3.5 | ESE 8   | 4       | 3.03                    |
|         | 26     | 8.0  | ESE 7   | ●°      | 9 3.14                  | 24        | 2.0  | ESE 8   | 5       | 3.14                    | 24      | —1.0 | S 3     | 1       | 3.37                    |
|         |        |      |         |         |                         | 30        | 4.4  | ESE 3   | 5       | 3.21                    |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| Öj      | 12     | 18.0 | SE 2    | 9       | 3.17                    | 1         | 13.5 | NNE 2   | ●       | 9 3.76                  | 22      | 4.5  | Calm    | ≡       | 3.25                    |
|         | 25     | 15.6 | SE 3    | 0       | 3.00                    | 23        | 5.9  | E 1     | 5       | 3.15                    | 23      | 2.8  | NE 1    | 1       | 3.29                    |
|         | 26     | —    | —       | —       | —                       | 24        | 4.5  | N 5     | ●°      | 9 2.99                  | 24      | 6.2  | W 1     | 1       | 3.17                    |
|         |        |      |         |         |                         | 30        | 4.5  | N 8     | 4       | 3.25                    |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| Br      | 12     | 10.0 | N 1     | ●       | 9 3.16                  | 1         | 10.0 | N 10    | ●°      | 9 3.98                  | 22      | 3.0  | NE 1    | 3       | 3.45                    |
|         | 25     | 10.0 | NE 10   | 9       | 3.67                    | 23        | 3.0  | NE 2    | 9       | 3.10                    | 23      | 1.0  | S 5     | 10      | 3.23                    |
|         | 26     |      |         |         |                         | 24        | 8.0  | N 10    | 5       | 3.12                    | 24      | 2.0  | W 10    | —       | 3.17                    |
|         |        |      |         |         |                         | 30        | 1.0  | NE 12   | * 10    | 3.14                    |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| Er      | 12     | 17.0 | S 2     | ●       | 9 3.40                  | 1         | 14.9 | S 4     | 6       | 3.31                    | 22      | 8.9  | Calm    | 8       | 3.17                    |
|         | 25     | 15.4 | SW 11   | ●       | 8 2.99                  | 23        | 7    | Calm    | 8       | 3.28                    | 23      | 7.6  | Calm    | 6       | 3.14                    |
|         | 26     | 17.5 | SE 7    | 2       | 3.45                    | 24        | 8.2  | NE 16   | ● 10    | 3.14                    | 24      | 8.9  | W 7     | 10      | 2.99                    |
|         |        |      |         |         |                         | 30        | 7.1  | NW 5    | 8       | 3.66                    |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| Fl      | 12     | 17.4 | W 3     | ●       | 8 2.95                  | 1         | 12.2 | W 1     | ● 10    | 4.51                    | 22      | 8.0  | SW 1    | 4       | 3.00                    |
|         | 25     | 12.2 | S 3     | 10      | 3.10                    | 23        | 11.2 | SW 1    | 0       | 3.12                    | 23      | 8.4  | SW 2    | 0       | 3.24                    |
|         | 26     | 12.2 | S 1     | 10      | 3.10                    | 24        | 6.6  | W 1     | 1       | 3.03                    | 24      | 8.6  | W 3     | 1       | 3.37                    |
|         |        |      |         |         |                         | 30        | 7.0  | N 2     | 0       | 3.28                    |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| Pl      | 12     | 16.0 | S 2     | ●°      | 10 3.11                 | 1         |      |         |         |                         | 22      | 10.0 | SW 2    | 10      | 2.87                    |
|         | 25     | 14.0 | W 14    | ●°      | 10 3.25                 | 23        | 12.0 | Calm    | 10      | 3.20                    | 23      | 9.0  | SE 6    | 10      | 3.43                    |
|         | 26     | 14.0 | W 6     | ●°      | 10 3.24                 | 24        | 6.0  | E 8     | ●       | 9 3.04                  | 24      | 10.0 | E 12    | 1       | 3.49                    |
|         |        |      |         |         |                         | 30        |      |         |         |                         |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| Ka      | 12     | 19.1 | SSW 5.5 | 5       | 2.96                    | 1         | 16.2 | SSW 5   | 7       | 3.07                    | 22      | 7.3  | SW 3.5  | 0       | 2.96                    |
|         | 25     | 14.6 | SE 7    | ●       | 9 3.16                  | 23        | —    | —       | —       | —                       | 23      | 6.2  | SSW 4   | 9       | 3.15                    |
|         | 26     | 16.8 | S 4     | 9       | 3.15                    | 24        | 6.1  | NE 7.5  | 5       | 3.15                    | 24      | 6.7  | SSW 1   | ●       | 9 2.97                  |
|         |        |      |         |         |                         | 30        | 4.2  | NE 0    | 6       | 3.42                    |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| Ku      | 12     | 18.0 | SE 7    | 6       | 3.23                    | 1         | 15.4 | SW 4    | 9       | 3.08                    | 22      | 7.6  | SW 5    | 9       | 3.39                    |
|         | 25     | 15.0 | SE 6    | ●       | 9 2.83                  | 23        | 6.0  | E 4     | 9       | 3.08                    | 23      | 6.6  | S 4     | ●       | 9 3.26                  |
|         | 26     | 14.6 | S 4     | 5       | 3.14                    | 24        | 6.4  | ENE 10  | 0       | 3.43                    | 24      | 6.0  | SSE 8   | ●       | 9 3.54                  |
|         |        |      |         |         |                         | 30        | 4.4  | NNE 1.5 | 0       | 3.25                    |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| Jy      | 12     | 18.6 | S 2.5   | 5       | 3.16                    | 1         | 15.9 | SSW 3   | 9       | 3.11                    | 22      | 7.6  | SSW 1.5 | 9       | 3.30                    |
|         | 25     | 13.0 | ESE 4   | ●       | 9 3.18                  | 23        | 8.4  | SSE 1   | 7       | 3.34                    | 23      | 7.1  | S 2.5   | ●       | 9 3.20                  |
|         | 26     | 15.4 | S 6     | 9       | 3.17                    | 24        | 6.1  | NNE 6   | 6       | 3.10                    | 24      | 5.8  | SE 3    | ●       | 9 3.38                  |
|         |        |      |         |         |                         | 30        | 3.8  | NE 1.5  | 9       | 3.04                    |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| Tv      | 12     | 19.0 | S 5     | 6       | 3.46                    | 1         | 15.0 | SSE 3   | 0       | 3.03                    | 22      | 8.0  | S 11    | ●       | 9 3.19                  |
|         | 25     | 16.0 | SW 13   | 0       | 3.11                    | 23        | 11.0 | E 2     | 7       | 3.05                    | 23      | 9.0  | SW 4    | ●       | 9 3.28                  |
|         | 26     | 14.0 | S 3     | 5       | 3.13                    | 24        | 9.0  | ENE 12  | 8       | 3.33                    | 24      | 9.5  | WSW 11  | 0       | 3.17                    |
|         |        |      |         |         |                         | 30        | 8.0  | E 0     | 7       | 3.24                    |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| So      | 12     | 14.2 | S 5     | 5       | 3.35                    | 1         | —    | —       | —       | —                       | 22      | —0.1 | SE 3    | —       | 2.98                    |
|         | 25     | 16.5 | ENE 3   | 6       | 2.95                    | 23        | —    | —       | —       | —                       | 23      | —    | —       | —       | —                       |
|         | 26     | 13.0 | SSE 3.5 | 6       | 2.99                    | 24        | —    | —       | —       | —                       | 24      | 3.2  | S 4     | —       | 3.27                    |
|         |        |      |         |         |                         | 30        | —    | —       | —       | —                       |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |
| Pu      | 12     | 18.9 | SSE 2   | 5       | 3.30                    | 1         | 17.7 | S 4     | 9       | 3.28                    | 22      | 6.6  | S 5     | 9       | 2.95                    |
|         | 25     | 11.7 | SE 4    | ●       | 9 3.04                  | 23        | 8.2  | E 7     | 8       | 3.19                    | 23      | 5.8  | SSE 4   | 9       | 3.04                    |
|         | 26     | 19.3 | S 6     | 0       | 3.33                    | 24        | 7.4  | NE 8    | 7       | 3.24                    | 24      | 6.0  | SSE 4.5 | 9       | 2.90                    |
|         |        |      |         |         |                         | 30        | 6.1  | ENE 1   | 9       | 3.23                    |         |      |         |         |                         |
|         |        |      |         |         |                         |           |      |         |         |                         |         |      |         |         |                         |

| Station | August |      |        |         |                        | September |      |       |         |                        | October |      |        |         |                        |
|---------|--------|------|--------|---------|------------------------|-----------|------|-------|---------|------------------------|---------|------|--------|---------|------------------------|
|         | Date   | °C   | Wind   | Weather | CO <sub>2</sub> ml/lol | Date      | °C   | Wind  | Weather | CO <sub>2</sub> ml/lol | Date    | °C   | Wind   | Weather | CO <sub>2</sub> ml/lol |
| Vg      | 12     | 11.4 | NW 1   | ☼ 10    | 3.12                   | 1         | 18.9 | ENE 4 | ☼ 1     | 3.18                   | 22      | 3.8  | NNE 1  | ☼ 3     | 3.44                   |
|         | 25     | 15.0 | ESE 5  | ☼ 7     | 2.99                   | 23        | 8.6  | SE 2  | ☼ 1     | 3.20                   | 23      | 3.1  | ESE 6  | ☼ 7     | 3.21                   |
|         | 26     | 14.2 | E 4    | ☼ 9     | 3.28                   | 24        | 3.8  | E 1   | ☼ 3     | 2.97                   | 24      | 5.5  | SSE 1  | ☼ 9     | 3.05                   |
|         |        |      |        |         |                        | 30        | 5.4  | SSE 1 | ☼ 1     | 3.70                   |         |      |        |         |                        |
| Va      | 12     | 14.5 | S 2    | ☼ 8     | 3.63                   | 1         | —    | —     | —       | —                      | 22      | 2.1  | E 2    | ☼ 5     | 3.28                   |
|         | 25     | 13.0 | NE 6   | ☼ 8     | 3.12                   | 23        | 5.4  | SW 6  | ☼ 8     | 3.55                   | 23      | 3.6  | NE 9   | ☼ 8     | 3.12                   |
|         | 26     | 10.7 | NE 4   | ☼ 8     | 3.03                   | 24        | 7.0  | NE 2  | ☼ 5     | 3.23                   | 24      | 2.2  | SW 2.4 | ☼ 5     | 3.49                   |
|         |        |      |        |         |                        | 30        | 8.2  | SSW 9 | ☼ 5     | 3.07                   |         |      |        |         |                        |
| Sd      | 12     | 19.0 | NW 4   | ☼ 1     | 3.24                   | 1         | —    | —     | —       | —                      | 22      | 6.0  | N 6    | ☼ 0     | 4.26                   |
|         | 25     | —    | —      | —       | —                      | 23        | 10.0 | N 4   | ☼ 0     | 3.20                   | 23      | 7.0  | SW 4   | ☼ 8     | 2.87                   |
|         | 26     | 12.0 | NW 6   | ☼ 8     | 2.61                   | 24        | 9.2  | N 6   | ☼ 0     | 3.68                   | 24      | 6.0  | NW 6   | ☼ 5     | 3.46                   |
|         |        |      |        |         |                        | 30        | 9.0  | N 6   | ☼ 0     | 3.07                   |         |      |        |         |                        |
| Ta      | 12     | 14.4 | SSE 6  | ☼ 8     | 3.09                   | 1         | —    | —     | —       | —                      | 22      | —4.0 | SW 5   | ☼ 8     | 3.88                   |
|         | 25     | 11.2 | ESE 1  | ☼ 0     | 3.14                   | 23        | —1.4 | WNW 2 | ☼ 7     | 3.30                   | 23      | —7.6 | Calm   | ☼ 0     | 2.91                   |
|         | 26     | 2.2  | SE 1   | ☼ 8     | 3.09                   | 24        | —1.6 | Calm  | ☼ 1     | 2.72                   | 24      | 1.0  | S 13   | ☼ 8     | 3.50                   |
|         |        |      |        |         |                        | 30        | 4.0  | NE 9  | ☼ 8     | 3.08                   |         |      |        |         |                        |
| Öd      | 12     | 18.7 | SW 4   | ☼ 6     | 3.06                   | 1         | 15.5 | W 5   | ☼ 6     | 2.84                   | 22      | 10.2 | SW 3   | ☼ 6     | 2.85                   |
|         | 25     | 13.2 | SW 7   | ☼ 7     | 3.25                   | 23        | 11.4 | SW 6  | ☼ —     | 3.22                   | 23      | 9.9  | SW 3   | ☼ 10    | 3.10                   |
|         | 26     | 14.3 | W 4    | ☼ 10    | 2.97                   | 24        | 9.8  | NNW 6 | ☼ —     | 3.33                   | 24      | 10.5 | W 5    | ☼ 0     | 3.37                   |
|         |        |      |        |         |                        | 30        | 11.0 | N 2   | ☼ —     | 3.05                   |         |      |        |         |                        |
| As      | 12     | 18.4 | SW 5   | ☼ 8     | 3.31                   | 1         | 15.9 | W 5   | ☼ 4     | 3.07                   | 22      | 9.8  | NW 2   | ☼ 4     | 3.15                   |
|         | 25     | 13.9 | SW 5   | ☼ 4     | 3.08                   | 23        | 10.6 | Calm  | ☼ 8     | 3.96                   | 23      | 8.8  | SW 3   | ☼ 8     | 3.47                   |
|         | 26     | —    | —      | —       | —                      | 24        | 11.6 | NNW 2 | ☼ 4     | 3.01                   | 24      | 11.0 | NW 3   | ☼ 2     | 3.83                   |
|         |        |      |        |         |                        | 30        | 11.3 | NNW 2 | ☼ 4     | 3.39                   |         |      |        |         |                        |
| Vl      | 12     | 18.1 | SW 5   | ☼ 10    | 3.09                   | 1         | 16.1 | S 4   | ☼ 9     | 3.29                   | 22      | 10.2 | NNW 9  | ☼ 9     | 3.05                   |
|         | 25     | 12.3 | WSW 13 | ☼ 9     | 2.85                   | 23        | 13.6 | S 9   | ☼ 9     | 2.89                   | 23      | —    | —      | ☼ —     | —                      |
|         | 26     | 14.7 | WNW 13 | ☼ 9     | 3.07                   | 24        | 13.4 | NNE 5 | ☼ 8     | 2.90                   | 24      | —    | —      | ☼ —     | —                      |
|         |        |      |        |         |                        | 30        | 11.7 | N 5   | ☼ 5     | 3.14                   |         |      |        |         |                        |
| Kn      | 12     | —    | —      | —       | —                      | 1         | —    | —     | —       | —                      | 22      | —3   | NW 12  | ☼ 9     | 3.02                   |
|         | 25     | 5.0  | W 5    | ☼ 7     | 3.21                   | 23        | 1.0  | S 5   | ☼ 9     | 3.17                   | 23      | —6   | W 2    | ☼ 7     | 3.06                   |
|         | 26     | 4.0  | W 5    | ☼ 9     | 3.18                   | 24        | 1.0  | S 7   | ☼ 9     | 3.11                   | 24      | —3   | E 5    | ☼ 5     | 2.97                   |
|         |        |      |        |         |                        | 30        | 1.0  | S 10  | ☼ 9     | 3.06                   |         |      |        |         |                        |

## Errata

Volume 9, Number 3, colour picture opposite page 368, figure legend, line 3: For "f=250 mm" read "f=25.0 mm".