

British East Africa. Meteorological Dept  
Summary of meteorological observations. VI. Kenya. 1937

BRITISH EAST AFRICAN METEOROLOGICAL SERVICE

SUMMARIES OF METEOROLOGICAL OBSERVATIONS

IN KENYA

FOR

1937.

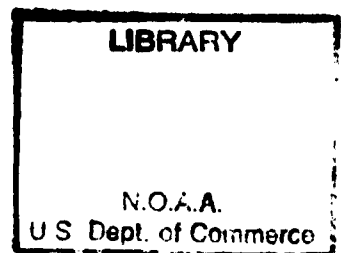
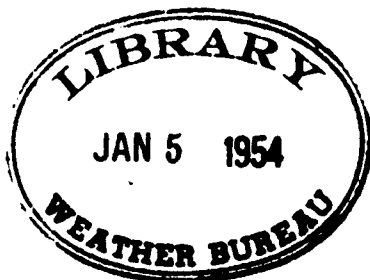
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# **National Oceanic and Atmospheric Administration**

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September 14, 1999

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KABETE OBSERVATORY 1937.

Lat.: 1° 16'S

Long.: 36° 48'E

Alt.: 5987 ft.

Standard Time 2h 45m. E

Reference Number 91.3630.

| Month     | Atmospheric Pressure @ |        | Temperature |       |           |       | Vapour Pressure |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud amt. |       | Number of Occasions at h.8.30 of Cloud Amounts |      |            |      |       | Rainfall  |          |      | Number of Days of |     |     |
|-----------|------------------------|--------|-------------|-------|-----------|-------|-----------------|-------|--------------------|-------|-------------------|-------|------------------|-------|--|------|------------|------|-------|-----------|----------|------|-------------------|-----|-----|
|           | h                      | h      | Dry         | Bulb  | Dew Point | h     | h               | h     | h                  | h     | h                 | h     | h                | 0     | 1-3  | 4-6  | 7-9        | 10   | Total | Max. Fall | Date     |      |                   |     |     |
|           | 8.30                   | 14.30  | 8.30        | 14.30 | 8.30      | 14.30 | 8.30            | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 | mm.  | ins. | in 24 hrs. | ins. | in    | Der.      | Thunder. |      |                   |     |     |
| January   | 24.250                 | 24.144 | 63.9        | 76.4  | 53.0      | 50.7  | .413            | .372  | .186               | .540  | 69                | 41    | 3.3              | 4.7   | 9  | 9    | 5          | 6    | 2     | 8.9       | 0.35     | 0.30 | 19                | 2   | ... |
| February  | 24.256                 | 24.156 | 64.8        | 79.7  | 55.0      | 46.4  | .437            | .316  | .180               | .706  | 71                | 31    | 5.1              | 4.7   | 4  | 6    | 7          | 9    | 2     | 0.3       | 0.01     | 0.01 | 2                 | 1   | ... |
| March     | 24.238                 | 24.135 | 63.3        | 76.0  | 57.0      | 52.7  | .470            | .402  | .118               | .502  | 80                | 44    | 7.2              | 6.7   | 1  | 4    | 5          | 11   | 10    | 211.6     | 8.33     | 2.46 | 31                | 14  | 7   |
| April     | 24.259                 | 24.170 | 62.3        | 71.1  | 58.8      | 58.3  | .499            | .490  | .065               | .278  | 88                | 64    | 8.2              | 7.1   | 0  | 1    | 2          | 17   | 10    | 311.4     | 12.26    | 2.39 | 7, 19             | 26  | 10  |
| May       | 24.294                 | 24.218 | 60.7        | 68.2  | 57.4      | 58.1  | .475            | .487  | .060               | .207  | 89                | 70    | 8.0              | 7.8   | 0  | 3    | 2          | 18   | 8     | 330.7     | 13.02    | 2.89 | 19                | 18  | 3   |
| June      | 24.303                 | 24.238 | 58.0        | 65.5  | 55.6      | 57.4  | .446            | .475  | .038               | .157  | 92                | 75    | 9.6              | 8.2   | 0  | 0    | 1          | 8    | 21    | 187.2     | 7.37     | 2.13 | 5                 | 20  | 9   |
| July      | 24.303                 | 24.241 | 56.6        | 67.2  | 52.9      | 54.0  | .405            | .419  | .059               | .254  | 87                | 62    | 7.5              | 7.6   | 0  | 4    | 5          | 11   | 11    | 6.3       | 0.25     | 0.16 | 15                | 6   | 1   |
| August    | 24.321                 | 24.247 | 56.3        | 66.2  | 52.3      | 52.3  | .396            | .396  | .062               | .254  | 86                | 61    | 8.4              | 8.3   | 1  | 1    | 3          | 10   | 16    | 4.1       | 4.16     | 0.10 | 9                 | 5   | ... |
| September | 24.312                 | 24.209 | 59.3        | 74.4  | 53.2      | 48.7  | .408            | .346  | .103               | .513  | 60                | 40    | 6.8              | 5.5   | 2  | 0    | 3          | 8    | 11    | 3.6       | 0.14     | 0.09 | 20                | 3   | 1   |
| October   | 24.303                 | 24.206 | 59.9        | 70.0  | 55.4      | 54.0  | .443            | .419  | .077               | .319  | 85                | 57    | 8.5              | 7.4   | 1  | 1    | 3          | 13   | 13    | 148.8     | 5.86     | 1.74 | 19                | 15  | 3   |
| November  | 24.271                 | 24.170 | 61.2        | 71.3  | 57.4      | 55.8  | .475            | .449  | .068               | .322  | 67                | 58    | 8.0              | 6.4   | 0  | 0    | 6          | 18   | 6     | 228.9     | 9.01     | 2.23 | 20                | 19  | 8   |
| December  | 24.256                 | 24.167 | 60.6        | 69.0  | 56.5      | 55.8  | .461            | .449  | .074               | .269  | 86                | 63    | 7.0              | 6.0   | 0  | 8    | 2          | 14   | 7     | 87.1      | 3.43     | 0.84 | 2                 | 12  | ... |
| Year      | 24.281                 | 24.192 | 60.6        | 71.3  | 55.4      | 53.7  | .444            | .418  | .091               | .361  | 83                | 55    | 7.3              | 6.7   | 18   | 43   | 44         | 143  | 117   | 1528.9    | 60.19    | 2.89 | May 19            | 141 | 42  |

\* At Standard level: corrected for temperature and to standard gravity.

| Month     | Frequency of Wind Direction at 8.30.h. |      |      |      |      |      |      |      |      | Frequency of Wind Force at 8.30.h. |      |      | Mean Wind Velocity |        | Extremes of Temperature of the Air. |         |      |         |      |      |      | Frequency of h Visibility at 8.30 |      |      |     |       |      |
|-----------|--|------|------|------|------|------|------|------|------|------------------------------------|------|------|--------------------|--------|-------------------------------------|---------|------|---------|------|------|------|-----------------------------------|------|------|-----|-------|------|
|           | N                                      | NE   | E    | SE   | E    | SW   | W    | NW   | Calm | 1-3                                | 4-7  | > 7  | h                  | h      | Max.                                | Date    | Min. | Date    | Mean | Mean | Max  | Range                             |      |      | Fog | Mist. | Good |
|           | ins.                                   | ins. | ins. | ins. | ins. | ins. | ins. | ins. | ins. | ins.                               | ins. | ins. | m.p.h.             | m.p.h. | F.                                  | F.      | F.   | F.      | F.   | F.   | F.   | F.                                | F.   | F.   | F.  | F.    | F.   |
| January   | 9                                      | 21   | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 25                                 | 6    | 0    | 9                  | 18     | 80.4                                | 26, 27  | 51.8 | 21      | 77.0 | 54.9 | 65.9 | 26.6                              | 9.7  | 22.1 | 0   | 0     | 31   |
| February  | 8                                      | 17   | 1    | 0    | 0    | 0    | 0    | 0    | 2    | 23                                 | 3    | 0    | 8                  | 17     | 84.0                                | 23      | 53.6 | 18      | 80.2 | 56.8 | 68.5 | 28.3                              | 15.5 | 23.4 | 0   | 0     | 28   |
| March     | 3                                      | 18   | 2    | 1    | 1    | 1    | 2    | 0    | 3    | 25                                 | 3    | 0    | 7                  | 12     | 82.4                                | 7       | 50.7 | 26      | 76.8 | 57.6 | 67.2 | 26.2                              | 9.0  | 19.2 | 0   | 2     | 29   |
| April     | 1                                      | 7    | 7    | 6    | 0    | 0    | 2    | 1    | 6    | 24                                 | 0    | 0    | 4                  | 10     | 75.6                                | 10      | 55.0 | 3       | 72.0 | 58.3 | 65.1 | 19.1                              | 9.0  | 13.7 | 0   | 2     | 28   |
| May       | 1                                      | 4    | 5    | 10   | 4    | 0    | 0    | 0    | 7    | 24                                 | 0    | 0    | 3                  | 8      | 72.7                                | 6       | 53.1 | 23      | 69.3 | 57.0 | 63.1 | 18.0                              | 6.5  | 12.3 | 0   | 1     | 30   |
| June      | 0                                      | 0    | 0    | 11   | 10   | 5    | 2    | 0    | 2    | 28                                 | 0    | 0    | 3                  | 7      | 71.6                                | 4       | 50.2 | 30      | 66.6 | 55.8 | 61.2 | 16.5                              | 4.1  | 10.8 | 1   | 5     | 24   |
| July      | 0                                      | 2    | 6    | 5    | 7    | 5    | 2    | 0    | 4    | 27                                 | 0    | 0    | 3                  | 7      | 76.3                                | 24      | 48.2 | 19      | 67.6 | 52.5 | 60.1 | 25.4                              | 6.6  | 15.1 | 0   | 3     | 28   |
| August    | 0                                      | 2    | 4    | 8    | 9    | 3    | 0    | 0    | 5    | 26                                 | 0    | 0    | 4                  | 8      | 75.0                                | 24      | 48.7 | 24      | 67.3 | 52.7 | 60.0 | 26.3                              | 7.4  | 14.6 | 1   | 8     | 22   |
| September | 1                                      | 7    | 6    | 7    | 1    | 0    | 0    | 0    | 8    | 22                                 | 0    | 0    | 4                  | 13     | 79.9                                | 22      | 49.1 | 8, 18   | 75.0 | 53.2 | 64.1 | 29.2                              | 14.9 | 21.8 | 0   | 2     | 28   |
| October   | 2                                      | 13   | 10   | 5    | 0    | 0    | 0    | 0    | 1    | 26                                 | 4    | 0    | 8                  | 13     | 79.0                                | 10      | 51.1 | 10      | 71.4 | 56.1 | 63.7 | 27.9                              | 6.7  | 15.3 | 1   | 2     | 28   |
| November  | 1                                      | 19   | 6    | 1    | 0    | 0    | 0    | 1    | 2    | 23                                 | 5    | 0    | 8                  | 14     | 75.0                                | 6       | 53.2 | 6       | 71.8 | 57.0 | 64.4 | 21.8                              | 9.6  | 14.8 | 0   | 1     | 29   |
| December  | 3                                      | 21   | 4    | 1    | 0    | 1    | 0    | 0    | 1    | 24                                 | 6    | 0    | 9                  | 13     | 74.7                                | 27      | 49.5 | 19      | 70.0 | 55.9 | 62.9 | 22.5                              | 8.3  | 14.1 | 1   | 0     | 30   |
| Year      | 29                                     | 131  | 52   | 55   | 32   | 15   | 8    | 2    | 41   | 297                                | 27   | 0    | 5.8                | 11.7   | 84.0                                | Feb. 23 | 48.2 | July 19 | 72.1 | 55.7 | 63.9 | 29.2                              | 4.1  | 16.4 | 4   | 26    | 335  |

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT NAIROBI RAILWAY BUILDINGS 1937.

Lat.: 1°16'S

Long. 36°50'E

Alt.: 5495 ft.

Standard Time 2h 45m. E

Reference Number 91.3610.

| Month     | Atmospheric Pressure @ |       | Temperature |       |           |       | Vapour Pressure |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud Amt. |       | Number of Occasions at 8.30.h. of Cloud Amounts. |     |     |     |     | Rainfall |           |            | Number of Days of |      |          |
|-----------|------------------------|-------|-------------|-------|-----------|-------|-----------------|-------|--------------------|-------|-------------------|-------|------------------|-------|--|-----|-----|-----|-----|----------|-----------|------------|-------------------|------|----------|
|           | h                      | h     | Dry         | Bulb  | Dew Point |       | h               | h     | h                  | h     | h                 | h     | h                | h     | 0  | 1-3 | 4-6 | 7-9 | 10  | Total    | Max. Fall |            |                   |      |          |
|           | 8.30                   | 14.30 | 8.30        | 14.30 | 8.30      | 14.30 | 8.30            | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 |  |     |     |     |     | mm.      | ins.      | in 24 hrs. | Date              | Rain | Thunder. |
|           | ins.                   | ins.  | F.          | F.    | F.        | F.    | ins.            | ins.  | ins.               | ins.  | %                 | %     |                  |       |  |     |     |     |     |          |           | ins.       |                   |      |          |
| January   |                        |       | 67.1        | 79.9  | 56.5      | 52.7  | .461            | .402  | .209               | .626  | 69                | 39    | 3.5              | 4.3   | 7  | 13  | 2   | 8   | 1   | 5.8      | 0.23      | 0.21       | 19                | 2    | ...      |
| February  |                        |       | 67.1        | 83.1  | 57.9      | 52.0  | .484            | .390  | .186               | .753  | 72                | 34    | 5.4              | 5.3   | 4  | 6   | 4   | 8   | 6   | 0.3      | 0.01      | 0.01       | 2                 | 1    | ...      |
| March     |                        |       | 65.6        | 78.4  | 59.5      | 59.4  | .514            | .511  | .124               | .469  | 81                | 52    | 7.4              | 6.3   | 1  | 5   | 4   | 9   | 12  | 138.4    | 5.45      | 2.14       | 30                | 12   | 7        |
| April     |                        |       | 64.9        | 74.9  | 61.0      | 61.2  | .540            | .543  | .080               | .328  | 87                | 62    | 8.6              | 7.1   | 0  | 1   | 1   | 18  | 10  | 298.4    | 11.75     | 2.61       | 19                | 23   | 10       |
| May       |                        |       | 63.0        | 72.0  | 58.8      | 58.8  | .499            | .499  | .080               | .292  | 86                | 63    | 8.0              | 7.5   | 0  | 2   | 8   | 8   | 13  | 372.9    | 14.68     | 3.77       | 10                | 18   | 3        |
| June      |                        |       | 59.9        | 68.6  | 56.8      | 57.2  | .467            | .473  | .053               | .230  | 90                | 67    | 9.2              | 7.8   | 0  | 1   | 1   | 10  | 18  | 159.5    | 6.28      | 1.06       | 2                 | 13   | 9        |
| July      |                        |       | 58.7        | 69.7  | 54.0      | 56.7  | .419            | .464  | .077               | .265  | 85                | 64    | 6.6              | 7.0   | 0  | 7   | 9   | 6   | 9   | 7.6      | 0.30      | 0.26       | 15                | 2    | 1        |
| August    |                        |       | 58.5        | 69.7  | 53.4      | 53.1  | .410            | .405  | .083               | .324  | 83                | 55    | 8.4              | 8.4   | 0  | 4   | 1   | 9   | 17  | 3.8      | 0.15      | 0.12       | 16                | 3    | ....     |
| September |                        |       | 62.1        | 78.5  | 55.0      | 50.9  | .437            | .375  | .124               | .605  | 78                | 38    | 6.7              | 4.8   | 4  | 4   | 2   | 12  | 8   | 2.3      | 0.09      | 0.04       | 30                | 3    | 1        |
| October   |                        |       | 63.0        | 74.2  | 57.6      | 54.9  | .478            | .434  | .101               | .416  | 83                | 51    | 8.2              | 6.5   | 1  | 3   | 3   | 8   | 16  | 129.3    | 5.09      | 1.28       | 19                | 13   | 3        |
| November  |                        |       | 64.8        | 75.4  | 59.4      | 57.4  | .511            | .475  | .106               | .411  | 83                | 54    | 6.6              | 5.3   | 0  | 5   | 7   | 13  | 5   | 169.2    | 6.66      | 1.94       | 20                | 14   | 8        |
| December  |                        |       | 63.9        | 73.5  | 59.0      | 57.6  | .505            | .478  | .094               | .358  | 84                | 57    | 6.8              | 5.3   | 1  | 6   | 5   | 9   | 10  | 64.5     | 2.54      | 0.75       | 15                | 11   | ...      |
| Year      |                        |       | 63.2        | 74.8  | 57.4      | 56.0  | .477            | .454  | .110               | .423  | 82                | 53    | 7.1              | 6.3   | 18   | 57  | 47  | 118 | 125 | 1352.0   | 53.23     | 3.77       | May               | 115  | 42       |

\* At Station level: corrected for Temperature and to standard gravity.

| Month     | Frequency of Wind Direction at 8.30.h. |     |    |    |    |    |   |    |      | Frequency of Wind Force at 8.30. |     |     | Mean Wind Velocity |        | Extremes of Temperature of the Air. |      |      |      |      |      |      |       |      | Frequency of Visibility at 8.30 |     |      |      |
|-----------|--|-----|----|----|----|----|---|----|------|----------------------------------|-----|-----|--------------------|--------|-------------------------------------|------|------|------|------|------|------|-------|------|---------------------------------|-----|------|------|
|           | N                                      | NE  | E  | SE | S  | SW | W | NW | Calm | 1-3                              | 4-7 | > 7 | h                  | h      | Max.                                | Date | Min. | Date | Mean | Mean | Max. | Range |      |                                 | Fog | Mist | Good |
|           |  |     |    |    |    |    |   |    |      |                                  |     |     | m.p.h.             | m.p.h. | F.                                  |      | F.   |      | F.   | F.   | F.   | F.    | F.   | F.                              | F.  |      |      |
| January   | 3                                      | 20  | 6  | 1  | 0  | 0  | 0 | 0  | 1    | 28                               | 2   | 0   | 7                  | 11     | 85.8                                | 27   | 52.2 | 5    | 81.8 | 57.2 | 69.5 | 31.2  | 13.9 | 24.7                            | 0   | 4    | 27   |
| February  | 8                                      | 20  | 0  | 0  | 0  | 0  | 0 | 0  | 0    | 28                               | 0   | 0   | 6                  | 13     | 88.8                                | 23   | 53.2 | 19   | 84.6 | 59.1 | 71.9 | 32.3  | 19.0 | 25.6                            | 0   | 5    | 23   |
| March     | 1                                      | 22  | 1  | 0  | 0  | 2  | 1 | 0  | 4    | 27                               | 0   | 0   | 3                  | 10     | 86.0                                | 7    | 53.3 | 26   | 81.0 | 58.9 | 69.9 | 29.7  | 4.9  | 22.1                            | 0   | 9    | 22   |
| April     | 10                                     | 13  | 2  | 0  | 0  | 0  | 1 | 0  | 4    | 26                               | 0   | 0   | 3                  | 7      | 79.1                                | 14   | 53.7 | 30   | 76.4 | 59.6 | 68.0 | 25.1  | 11.3 | 16.9                            | 1   | 8    | 21   |
| May       | 21                                     | 7   | 0  | 0  | 0  | 0  | 0 | 0  | 3    | 28                               | 0   | 0   | 3                  | 8      | 77.6                                | 6    | 55.9 | 24   | 73.5 | 58.4 | 65.9 | 20.1  | 6.5  | 15.1                            | 7   | 6    | 18   |
| June      | 7                                      | 0   | 0  | 0  | 19 | 4  | 0 | 0  | 0    | 30                               | 0   | 0   | 5                  | 8      | 75.4                                | 4    | 53.2 | 29   | 70.2 | 57.1 | 63.7 | 10.9  | 4.4  | 13.1                            | 0   | 0    | 30   |
| July      | 1                                      | 4   | 0  | 0  | 20 | 3  | 1 | 0  | 2    | 29                               | 0   | 0   | 4                  | 7      | 79.9                                | 24   | 47.0 | 9    | 71.2 | 53.6 | 62.4 | 27.9  | 8.0  | 17.6                            | 0   | 0    | 31   |
| August    | 0                                      | 2   | 12 | 7  | 7  | 3  | 0 | 0  | 0    | 31                               | 0   | 0   | 5                  | 7      | 80.0                                | 24   | 48.0 | 15   | 71.8 | 53.9 | 62.9 | 30.4  | 9.2  | 17.9                            | 0   | 12   | 19   |
| September | 4                                      | 6   | 15 | 2  | 3  | 0  | 0 | 0  | 0    | 30                               | 0   | 0   | 3                  | 8      | 85.0                                | 5    | 47.7 | 19   | 80.3 | 54.5 | 67.4 | 35.1  | 16.8 | 25.8                            | 0   | 10   | 20   |
| October   | 2                                      | 3   | 18 | 6  | 1  | 0  | 0 | 0  | 1    | 30                               | 0   | 0   | 5                  | 8      | 83.9                                | 11   | 51.1 | 16   | 76.6 | 57.2 | 66.9 | 32.1  | 9.9  | 19.4                            | 0   | 13   | 18   |
| November  | 0                                      | 7   | 21 | 2  | 0  | 0  | 0 | 0  | 0    | 28                               | 2   | 0   | 7                  | 9      | 80.0                                | 6    | 52.0 | 15   | 76.8 | 58.2 | 67.5 | 27.3  | 12.5 | 18.6                            | 0   | 9    | 26   |
| December  | 0                                      | 10  | 16 | 5  | 0  | 0  | 0 | 0  | 0    | 30                               | 1   | 0   | 7                  | 10     | 80.1                                | 27   | 50.0 | 19   | 74.7 | 57.3 | 66.0 | 25.2  | 10.0 | 17.4                            | 0   | 10   | 21   |
| Year      | 57                                     | 114 | 91 | 23 | 50 | 12 | 3 | 0  | 15   | 345                              | 5   | 0   | 4.8                | 8.8    | 88.8                                | Feb. | 47.0 | July | 76.6 | 57.1 | 66.8 | 35.1  | 4.4  | 19.5                            | 8   | 81   | 276  |

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT NOMBASA 1937.

Lat.: 4° 04'18"

Long.: 39° 42'1E

Alt.: 53 ft.

Standard Time 2h 45m. E.

Reference Number 94.3902.

| Month     | Atmospheric Pressure $\sigma$ |        | Temperature |       |           |       | Vapour Pressure |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud Amts. |       | Number of Occasions at 8.30.h. of Cloud Amounts |     |     |     |    | Rainfall |           |           | Number of Days of |      |          |
|-----------|-------------------------------|--------|-------------|-------|-----------|-------|-----------------|-------|--------------------|-------|-------------------|-------|-------------------|-------|---|-----|-----|-----|----|----------|-----------|-----------|-------------------|------|----------|
|           | h                             | h      | Dry         | Bulb  | Dew Point |       | h               | h     | h                  | h     | h                 | h     | h                 | h     | 0   | 1-3 | 4-6 | 7-9 | 10 | Total    | Max. Fall |           |                   |      |          |
|           | 8.30                          | 14.30  | 8.30        | 14.30 | 8.30      | 14.30 | 8.30            | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30              | 14.30 |   |     |     |     |    | mm.      | ins.      | in 24hrs. | Date              | Rain | Thunder. |
|           | ins.                          | ins.   | F.          | F.    | F.        | F.    | ins.            | ins.  | ins.               | ins.  | %                 | %     |                   |       |   |     |     |     |    |          | ins.      |           |                   |      |          |
| January   | 29.822                        | 29.701 | 81.7        | 85.9  | 73.8      | 73.9  | .839            | .845  | .251               | .401  | 77                | 68    | 7.0               | 3.5   | 0   | 1   | 13  | 13  | 4  | 3.3      | 0.13      | 0.04      | 10                | 5    | ...      |
| February  | 29.816                        | 29.701 | 83.2        | 88.1  | 74.5      | 75.2  | .859            | .883  | .284               | .461  | 75                | 66    | 6.4               | 3.5   | 0   | 0   | 17  | 10  | 1  | 10.4     | 0.41      | 0.24      | 3                 | 3    | ...      |
| March     | 29.790                        | 29.675 | 83.4        | 87.8  | 74.3      | 75.9  | .856            | .901  | .299               | .428  | 74                | 68    | 6.8               | 4.5   | 0   | 1   | 15  | 12  | 3  | 96.0     | 3.78      | 1.40      | 29                | 10   | 4        |
| April     | 29.828                        | 29.743 | 80.2        | 83.8  | 75.4      | 76.3  | .886            | .913  | .156               | .256  | 85                | 78    | 7.4               | 6.2   | 0   | 0   | 12  | 10  | 8  | 351.5    | 13.84     | 2.53      | 25                | 22   | 4        |
| May       | 29.896                        | 29.825 | 78.4        | 81.0  | 73.4      | 74.5  | .630            | .862  | .150               | .204  | 85                | 81    | 7.5               | 7.0   | 0   | 0   | 10  | 15  | 6  | 269.2    | 10.60     | 1.93      | 5                 | 21   | 1        |
| June      | 29.952                        | 29.878 | 79.2        | 82.3  | 72.0      | 72.5  | .788            | .803  | .216               | .307  | 79                | 72    | 6.6               | 6.0   | 0   | 0   | 18  | 10  | 2  | 96.0     | 3.78      | 1.62      | 27                | 8    | ...      |
| July      | 29.970                        | 29.908 | 75.7        | 80.7  | 70.2      | 70.7  | .741            | .756  | .157               | .304  | 83                | 71    | 7.2               | 5.3   | 0   | 1   | 13  | 11  | 6  | 39.6     | 1.56      | 0.62      | 1                 | 9    | ...      |
| August    | 29.988                        | 29.917 | 77.4        | 80.7  | 71.1      | 71.6  | .765            | .783  | .183               | .277  | 81                | 74    | 5.9               | 5.3   | 0   | 2   | 19  | 9   | 1  | 87.6     | 3.45      | 1.44      | 15                | 11   | ...      |
| September | 29.958                        | 29.875 | 78.8        | 82.4  | 72.1      | 72.7  | .797            | .609  | .195               | .307  | 80                | 72    | 6.2               | 4.7   | 0   | 3   | 13  | 13  | 1  | 84.1     | 3.31      | 0.70      | 1                 | 20   | ...      |
| October   | 29.929                        | 29.834 | 80.7        | 82.8  | 73.8      | 74.1  | .842            | .850  | .218               | .281  | 79                | 75    | 6.6               | 5.1   | 0   | 2   | 15  | 12  | 2  | 248.2    | 9.77      | 2.85      | 18                | 22   | ...      |
| November  | 29.858                        | 29.748 | 82.4        | 85.3  | 74.8      | 75.7  | .868            | .898  | .248               | .328  | 78                | 73    | 5.3               | 4.4   | 0   | 5   | 16  | 8   | 1  | 78.7     | 3.10      | 0.83      | 21                | 15   | 5        |
| December  | 29.843                        | 29.740 | 82.3        | 85.4  | 74.8      | 75.7  | .871            | .895  | .239               | .336  | 78                | 73    | 5.9               | 4.9   | 0   | 3   | 17  | 10  | 1  | 104.4    | 4.11      | 1.32      | 1                 | 12   | 2        |
| Year      | 29.887                        | 29.795 | 80.3        | 83.9  | 73.3      | 74.1  | .829            | .850  | .216               | .324  | 79                | 73    | 6.6               | 5.0   | 0   | 18  | 178 | 133 | 36 | 1469.0   | 57.84     | 2.85      | Oct. 18           | 158  | 16       |

<sup>3</sup> At station level: corrected for Temperature and to standard gravity.

| Month     | Frequency of Wind Direction at 8.30.h. |    |   |    |    |    |    |    | Calm | Frequency of h Wind Force at 8.30. |     |    | Mean Wind Velocity |        | Extremes of Temperature of the Air. |      |      |        |      |      |      |       |      | Frequency of h Visibility at 8.30 |     |      |      |
|-----------|--|----|---|----|----|----|----|----|------|------------------------------------|-----|----|--------------------|--------|-------------------------------------|------|------|--------|------|------|------|-------|------|-----------------------------------|-----|------|------|
|           | N                                      | NE | E | SE | S  | SW | W  | NW |      | 1-3                                | 4-7 | >7 | h                  | h      | Max.                                | Date | Min. | Date   | Mean | Mean | Max  | Range |      |                                   | Fog | Mist | Good |
|           |  |    |   |    |    |    |    |    |      |                                    |     |    | m.p.h.             | m.p.h. | F.                                  |      | F.   |        | F.   | F.   | F.   | F.    | F.   | F.                                | F.  |      |      |
| January   | 22                                     | 3  | 0 | 0  | 0  | 0  | 1  | 5  | 0    | 31                                 | 0   | 0  | 4                  | 12     | 93.0                                | 31   | 73.0 | often  | 88.6 | 75.5 | 82.1 | 18.0  | 5.0  | 13.1                              | 0   | 15   | 16   |
| February  | 20                                     | 0  | 0 | 0  | 1  | 0  | 1  | 4  | 2    | 26                                 | 0   | 0  | 3                  | 10     | 92.5                                | 7    | 74.0 | 21     | 90.7 | 76.9 | 83.8 | 16.5  | 11.0 | 13.8                              | 0   | 10   | 18   |
| March     | 8                                      | 3  | 0 | 0  | 1  | 2  | 4  | 8  | 5    | 26                                 | 0   | 0  | 3                  | 8      | 93.0                                | 3,8  | 74.0 | 31     | 90.5 | 77.0 | 83.7 | 17.0  | 6.5  | 13.5                              | 0   | 13   | 18   |
| April     | 0                                      | 0  | 0 | 0  | 4  | 11 | 15 | 0  | 0    | 30                                 | 0   | 0  | 4                  | 7      | 89.5                                | 13   | 73.0 | 1,30   | 86.0 | 75.6 | 80.8 | 12.5  | 4.5  | 10.4                              | 4   | 14   | 12   |
| May       | 0                                      | 0  | 0 | 0  | 6  | 14 | 10 | 0  | 1    | 30                                 | 0   | 0  | 5                  | 9      | 88.0                                | 12   | 71.0 | 27     | 83.8 | 73.8 | 78.8 | 15.4  | 4.0  | 10.0                              | 2   | 13   | 16   |
| June      | 0                                      | 0  | 0 | 0  | 8  | 12 | 10 | 0  | 0    | 30                                 | 0   | 0  | 7                  | 10     | 86.0                                | 7,19 | 70.0 | 25,27  | 83.9 | 74.0 | 78.9 | 13.0  | 5.0  | 10.0                              | 1   | 8    | 21   |
| July      | 0                                      | 0  | 0 | 0  | 7  | 9  | 15 | 0  | 0    | 30                                 | 1   | 0  | 6                  | 13     | 83.1                                | 6    | 67.0 | 1      | 81.8 | 71.2 | 76.5 | 14.4  | 7.5  | 10.6                              | 5   | 11   | 15   |
| August    | 0                                      | 0  | 0 | 0  | 12 | 10 | 9  | 0  | 0    | 30                                 | 1   | 0  | 6                  | 14     | 85.0                                | 26   | 66.5 | 2      | 82.6 | 70.5 | 76.5 | 17.0  | 8.5  | 12.1                              | 1   | 5    | 25   |
| September | 0                                      | 0  | 0 | 2  | 11 | 13 | 3  | 0  | 1    | 29                                 | 0   | 0  | 5                  | 9      | 86.0                                | 23   | 70.0 | 16     | 83.9 | 72.7 | 78.3 | 14.0  | 5.7  | 11.2                              | 2   | 9    | 19   |
| October   | 0                                      | 0  | 0 | 7  | 10 | 6  | 7  | 0  | 1    | 27                                 | 3   | 0  | 7                  | 10     | 88.0                                | 12   | 71.0 | 15     | 84.9 | 74.4 | 79.7 | 15.5  | 6.0  | 10.5                              | 0   | 14   | 17   |
| November  | 1                                      | 1  | 4 | 1  | 3  | 0  | 12 | 5  | 3    | 27                                 | 0   | 0  | 4                  | 12     | 91.0                                | 25   | 71.5 | 5,6    | 87.4 | 74.3 | 80.9 | 18.0  | 8.0  | 13.1                              | 0   | 6    | 24   |
| December  | 6                                      | 4  | 1 | 0  | 0  | 2  | 5  | 9  | 4    | 27                                 | 0   | 0  | 4                  | 12     | 91.0                                | 29   | 71.5 | 7      | 87.8 | 74.8 | 81.3 | 16.5  | 8.0  | 13.0                              | 0   | 6    | 25   |
| Year      | 57                                     | 11 | 5 | 10 | 63 | 79 | 92 | 31 | 17   | 343                                | 5   | 0  | 4.8                | 10.5   | 93.0                                | (i)  | 66.5 | Aug. 2 | 86.0 | 74.2 | 80.1 | 18.0  | 4.0  | 11.8                              | 15  | 124  | 226  |

(i) Several dates January 31st. and March 3rd., 8th., 1937.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MARSABIT 1937.

Lat.: 2° 05' N

Long.: 37° 59' E

Alt.: 4700 ft.

Standard Time 2h 45m. E

Reference No. 87.3700

| Month     | Atmospheric Pressure @ |        | Temperature |       |      |           | Vapour Pressure. |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud Amt. |       | Number of Occasions at 8.30 of Cloud Amounts. |       |     |     |     | Rainfall |       |      | Number of Days of |           |      |       |
|-----------|------------------------|--------|-------------|-------|------|-----------|------------------|-------|--------------------|-------|-------------------|-------|------------------|-------|---|-------|-----|-----|-----|----------|-------|------|-------------------|-----------|------|-------|
|           | h                      | h      | Dry         |       | Bulb | Dew Point |                  | h     | h                  | h     | h                 | h     | h                | h     | h   | 0     | 1-3 | 4-6 | 7-9 | 10       | Total |      | Max. Fall         | Date      | Rate | Thun- |
|           | 8.30                   | 14.30  | 8.30        | 14.30 | 8.30 | 14.30     | 8.30             | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 | 8.30  | 14.30 | 0   | 1-3 | 4-6 | 7-9      | 10    | mm.  | ins.              | in 24hrs. |      |       |
| January   | 25.543                 | 25.449 | 65.5        | 73.8  | 60.1 | 59.9      | .523             | .520  | .109               | .319  | 83                | 62    | 6.2              | 3.6   | 0   | 11    | 4   | 0   | 16  | 34.3     | 1.35  | ins. | 19                | 6         | ...  |       |
| February  | 25.546                 | 25.452 | 65.1        | 75.5  | 61.5 | 61.3      | .552             | .546  | .074               | .346  | 88                | 61    | 8.9              | 5.3   | 0   | 2     | 3   | 0   | 23  | 1.3      | 0.05  | 0.03 | 3                 | 2         | ...  |       |
| March     | 25.520                 | 25.425 | 68.0        | 77.5  | 61.5 | 61.7      | .552             | .555  | .139               | .399  | 80                | 58    | 6.8              | 5.2   | 0   | 8     | 6   | 0   | 17  | 149.9    | 5.90  | 4.73 | 29                | 5         | ...  |       |
| April     | 25.549                 | 25.455 | 67.1        | 72.3  | 64.8 | 64.6      | .617             | .614  | .053               | .186  | 92                | 77    | 8.6              | 6.8   | 0   | 2     | 6   | 0   | 22  | 105.9    | 4.17  | 0.75 | 11                | 16        | ...  |       |
| May       | 25.585                 | 25.490 | 66.0        | 72.2  | 62.4 | 61.3      | .567             | .546  | .077               | .248  | 88                | 69    | 7.4              | 5.7   | 0   | 5     | 6   | 2   | 18  | 127.8    | 5.03  | 2.53 | 15                | 7         | ...  |       |
| June      | 25.594                 | 25.508 | 62.4        | 69.4  | 59.0 | 59.7      | .505             | .517  | .065               | .209  | 89                | 71    | 9.7              | 6.7   | 0   | 1     | 0   | 0   | 29  | 14.5     | 0.57  | 0.57 | 26                | 1         | ...  |       |
| July      | 25.602                 | 25.508 | 61.3        | 70.1  | 57.2 | 56.8      | .473             | .467  | .073               | .277  | 86                | 63    | 8.8              | 4.6   | 0   | 3     | 0   | 4   | 24  | 0.0      | 0.00  | 0.00 | -                 | 0         | ...  |       |
| August    | 25.614                 | 25.514 | 61.5        | 69.1  | 56.1 | 55.4      | .455             | .443  | .097               | .275  | 82                | 62    | 8.7              | 6.1   | 0   | 0     | 0   | 4   | 18  | 6.3      | 0.25  | 0.13 | 10                | 2         | ...  |       |
| September | 25.597                 | 25.496 | 63.5        | 72.3  | 57.9 | 58.5      | .484             | .493  | .107               | .307  | 82                | 62    | 8.2              | 5.7   | 0   | 2     | 5   | 6   | 17  | 6.6      | 0.26  | 0.21 | 19                | 2         | ...  |       |
| October   | 25.573                 | 25.478 | 64.4        | 70.9  | 60.8 | 58.8      | .537             | .502  | .071               | .260  | 88                | 66    | 9.4              | 7.8   | 0   | 0     | 2   | 5   | 24  | 240.5    | 9.47  | 3.34 | 16                | 17        | ...  |       |
| November  | 25.552                 | 25.464 | 65.5        | 70.2  | 63.1 | 61.7      | .582             | .555  | .050               | .189  | 92                | 75    | 9.3              | 7.5   | 0   | 0     | 2   | 4   | 24  | 229.4    | 9.03  | 5.58 | 20                | 9         | ...  |       |
| December  | 25.552                 | 25.467 | 64.8        | 70.6  | 61.7 | 63.1      | .555             | .585  | .062               | .168  | 90                | 78    | 8.7              | 7.1   | 0   | 0     | 10  | 0   | 21  | 45.5     | 1.79  | 0.90 | 13                | 6         | ...  |       |
| Year      | 25.569                 | 25.475 | 64.6        | 72.0  | 60.5 | 60.2      | .533             | .529  | .081               | .265  | 87                | 67    | 8.4              | 6.0   | 0   | 34    | 48  | 46  | 253 | 962.0    | 37.87 | 5.58 | Nov. 20           | 73        | ...  |       |

\* Station level: corrected for temperature and to standard gravity.

| Month     | Frequency of Wind Direction at 8.30. |    |     |    |   |    |   |    | Frequency of Wind Force at 8.30 |     |     | Mean Wind Velocity |        | Extremes of Temperature of the Air |      |         |      |         |           |           |      |      |      | Frequency of Visibility at 8.30 |      |      |      |     |      |      |
|-----------|--------------------------------------|----|-----|----|---|----|---|----|---------------------------------|-----|-----|--------------------|--------|------------------------------------|------|---------|------|---------|-----------|-----------|------|------|------|---------------------------------|------|------|------|-----|------|------|
|           | N                                    | NE | E   | SE | S | SW | W | NW | Calm                            | 1-3 | 4-7 | 7                  | h      | h                                  | Max. | Date    | Min. | Date    | Mean Max. | Mean Min. | Max. | Min. | Max. | Min.                            | Max. | Min. | Max. | Fog | Mist | Good |
|           |                                      |    |     |    |   |    |   |    |                                 |     |     |                    | m.p.h. | m.p.h.                             | F.   | F.      | F.   | F.      | F.        | F.        | F.   | F.   | F.   | F.                              | F.   | F.   | F.   | F.  | F.   | F.   |
| January   | 0                                    | 0  | 29  | 0  | 0 | 0  | 0 | 0  | 2                               | 29  | 0   | 0                  | 7      | 7                                  | 82.0 | often   | 60.0 | 7       | 77.8      | 61.7      | 69.7 | 21.0 | 5.0  | 16.0                            | 15   | 1    | 15   |     |      |      |
| February  | 0                                    | 0  | 28  | 0  | 0 | 0  | 0 | 0  | 0                               | 28  | 0   | 0                  | 9      | 7                                  | 87.0 | 16,28   | 60.0 | 3       | 80.5      | 62.5      | 71.5 | 23.0 | 6.0  | 18.0                            | 13   | 4    | 11   |     |      |      |
| March     | 0                                    | 0  | 29  | 0  | 0 | 0  | 0 | 0  | 2                               | 29  | 0   | 0                  | 7      | 6                                  | 88.0 | 7       | 60.0 | 25      | 82.9      | 63.3      | 73.1 | 24.0 | 11.0 | 19.6                            | 5    | 1    | 25   |     |      |      |
| April     | 0                                    | 0  | 26  | 0  | 0 | 0  | 0 | 0  | 4                               | 26  | 0   | 0                  | 5      | 3                                  | 82.0 | 24,25   | 61.0 | 30      | 76.6      | 63.1      | 69.9 | 19.0 | 8.0  | 13.5                            | 17   | 0    | 13   |     |      |      |
| May       | 0                                    | 0  | 28  | 0  | 0 | 0  | 0 | 0  | 3                               | 28  | 0   | 0                  | 7      | 4                                  | 84.0 | 9       | 56.0 | 16      | 76.6      | 61.4      | 69.0 | 22.0 | 9.0  | 15.3                            | 13   | 0    | 18   |     |      |      |
| June      | 0                                    | 0  | 30  | 0  | 0 | 0  | 0 | 0  | 0                               | 30  | 0   | 0                  | 6      | 5                                  | 78.0 | 5       | 56.0 | 29      | 74.0      | 59.3      | 66.7 | 19.0 | 10.0 | 14.7                            | 16   | 0    | 14   |     |      |      |
| July      | 0                                    | 0  | 30  | 0  | 0 | 0  | 0 | 0  | 1                               | 30  | 0   | 0                  | 5      | 8                                  | 81.0 | 24      | 55.0 | 24      | 76.5      | 57.5      | 67.0 | 26.0 | 12.0 | 19.0                            | 10   | 0    | 21   |     |      |      |
| August    | 0                                    | 0  | 31  | 0  | 0 | 0  | 0 | 0  | 0                               | 31  | 0   | 0                  | 7      | 8                                  | 81.0 | 27,28   | 54.0 | 24      | 76.8      | 57.1      | 66.9 | 26.0 | 13.0 | 19.1                            | 10   | 0    | 21   |     |      |      |
| September | 0                                    | 0  | 30  | 0  | 0 | 0  | 0 | 0  | 0                               | 30  | 0   | 0                  | 7      | 9                                  | 84.0 | 5,19,27 | 55.0 | 9       | 79.5      | 58.1      | 68.8 | 27.0 | 15.0 | 21.4                            | 10   | 0    | 20   |     |      |      |
| October   | 0                                    | 0  | 30  | 0  | 0 | 0  | 0 | 0  | 1                               | 30  | 0   | 0                  | 5      | 6                                  | 85.0 | 10      | 58.0 | 3,4,8   | 76.1      | 60.4      | 68.3 | 24.0 | 5.1  | 15.8                            | 21   | 0    | 10   |     |      |      |
| November  | 0                                    | 0  | 24  | 0  | 0 | 0  | 0 | 0  | 6                               | 24  | 0   | 0                  | 3      | 5                                  | 79.0 | 16,18   | 59.0 | 1       | 77.9      | 61.5      | 69.7 | 18.0 | 10.0 | 16.4                            | 19   | 5    | 6    |     |      |      |
| December  | 0                                    | 0  | 31  | 0  | 0 | 0  | 0 | 0  | 0                               | 31  | 0   | 0                  | 5      | 4                                  | 78.0 | 1,27    | 58.0 | 19,25   | 74.4      | 60.6      | 67.5 | 17.0 | 9.0  | 13.8                            | 21   | 0    | 10   |     |      |      |
| Year      | 0                                    | 0  | 346 | 0  | 0 | 0  | 0 | 0  | 19                              | 346 | 0   | 0                  | 6.1    | 60                                 | 88.0 | Mar. 7  | 54.0 | Aug. 24 | 77.5      | 60.5      | 69.0 | 27.0 | 5.0  | 16.9                            | 170  | 11   | 184  |     |      |      |

Several Dates 20, 21, 22 January, 1937.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT ELDORET U.C. 1937.

Lat.: 0° 32' N Long.: 35° 16' E Alt.: 6824 ft. Standard Time.: 2h 45m. E Reference No. 89.3526.

| Month     | Atmospheric Pressure @ |        | Temperature |       |           |       | Vapour Pressure |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud amt. |       | Number of Occasions at 8.30.h. of Cloud Amounts |     |     |     |    | Rainfall |       |           | Number of Days of |      |       |
|-----------|------------------------|--------|-------------|-------|-----------|-------|-----------------|-------|--------------------|-------|-------------------|-------|------------------|-------|---|-----|-----|-----|----|----------|-------|-----------|-------------------|------|-------|
|           | h                      | h      | Dry Bulb    |       | Dew Point |       | h               | h     | h                  | h     | h                 | h     | h                | h     | 0   | 1-3 | 4-6 | 7-9 | 10 | Total    |       | Max. Fall | Date              | Rain | Thun- |
|           | 8.30                   | 14.30  | 8.30        | 14.30 | 8.30      | 14.30 | 8.30            | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 |   |     |     |     |    | mm.      | ins.  | in 24hrs. |                   |      | der.  |
| January   | 23.497                 | 23.420 | 66.8        | 77.6  | 49.1      | 45.3  | .351            | .304  | .310               | .650  | 53                | 32    | 2.6              | 5.0   | 6   | 17  | 7   | 1   | 0  | 10.4     | 0.41  | 0.32      | 29                | 3    | ...   |
| February  | 23.503                 | 23.426 | 67.2        | 78.7  | 50.5      | 44.6  | .369            | .295  | .304               | .691  | 55                | 30    | 3.4              | 4.9   | 2   | 15  | 11  | 0   | 0  | 20.3     | 0.80  | 0.21      | 9                 | 8    | 2     |
| March     | 23.488                 | 23.411 | 65.7        | 75.8  | 53.8      | 52.5  | .416            | .399  | .222               | .499  | 65                | 44    | 4.5              | 5.7   | 0   | 11  | 13  | 7   | 0  | 130.3    | 5.13  | 1.47      | 31                | 8    | ...   |
| April     | 23.509                 | 23.435 | 64.9        | 73.3  | 55.2      | 53.4  | .440            | .410  | .180               | .414  | 71                | 50    | 4.7              | 5.8   | 0   | 8   | 19  | 2   | 1  | 196.6    | 7.74  | 2.82      | 6                 | 15   | ...   |
| May       | 23.527                 | 23.459 | 63.9        | 70.9  | 55.0      | 54.1  | .437            | .422  | .162               | .340  | 73                | 55    | 4.4              | 5.7   | 0   | 11  | 16  | 4   | 0  | 130.3    | 5.13  | 1.12      | 8                 | 17   | ...   |
| June      | 23.547                 | 23.485 | 61.3        | 69.1  | 55.2      | 54.1  | .440            | .422  | .106               | .296  | 81                | 59    | 5.9              | 7.0   | 1   | 0   | 21  | 5   | 3  | 162.3    | 6.39  | 1.47      | 9                 | 14   | 1     |
| July      | 23.54                  | 23.485 | 60.3        | 68.0  | 54.9      | 54.5  | .434            | .428  | .092               | .263  | 83                | 62    | 5.1              | 7.2   | 0   | 7   | 18  | 6   | 0  | 223.5    | 8.80  | 1.97      | 17                | 24   | ...   |
| August    | 23.535                 | 23.470 | 61.3        | 68.7  | 54.1      | 52.7  | .422            | .402  | .124               | .307  | 77                | 57    | 4.4              | 6.6   | 0   | 13  | 15  | 3   | 0  | 173.2    | 6.82  | 1.41      | 6                 | 21   | 2     |
| September | 23.529                 | 23.459 | 64.6        | 74.7  | 51.6      | 49.5  | .384            | .354  | .230               | .511  | 63                | 41    | 2.3              | 4.4   | 0   | 28  | 2   | 0   | 0  | 3.6      | 0.14  | 0.05      | 14                | 4    | ...   |
| October   | 23.524                 | 23.444 | 65.0        | 73.0  | 52.2      | 51.8  | .393            | .387  | .227               | .434  | 63                | 47    | 3.9              | 5.3   | 0   | 17  | 12  | 2   | 0  | 47.2     | 1.86  | 0.64      | 15                | 13   | ...   |
| November  | 23.506                 | 23.429 | 64.3        | 72.5  | 53.6      | 50.9  | .413            | .375  | .192               | .431  | 68                | 47    | 4.0              | 5.1   | 0   | 15  | 13  | 1   | 1  | 148.8    | 5.86  | 1.98      | 21                | 12   | ...   |
| December  | 23.497                 | 23.426 | 64.0        | 73.2  | 51.6      | 48.9  | .384            | .348  | .218               | .476  | 64                | 42    | 3.5              | 4.6   | 0   | 20  | 11  | 0   | 0  | 0.0      | 0.00  | 0.00      | -                 | 0    | ...   |
| Year      | 23.517                 | 23.446 | 64.1        | 73.0  | 53.1      | 51.0  | .407            | .379  | .197               | .443  | 68                | 47    | 4.1              | 5.6   | 9   | 162 | 158 | 31  | 5  | 1246.5   | 49.08 | 2.82      | Apr 6             | 139  | 5     |

\* At station level; corrected for temperature and to standard gravity.

| Month     | Frequency of Wind Direction at 8.30.h. |     |    |    |   |    |   |    |      | Frequency of h Wind Force at 8.30. |     |     | Mean Wind Velocity |        | Extremes of Temperature of the Air. |        |      |       |      |      |      |       | Frequency of h Visibility at 8.30. |      |       |      |     |
|-----------|--|-----|----|----|---|----|---|----|------|------------------------------------|-----|-----|--------------------|--------|-------------------------------------|--------|------|-------|------|------|------|-------|------------------------------------|------|-------|------|-----|
|           | N                                      | NE  | E  | SE | S | SW | W | NW | Calm | 1-3                                | 4-7 | > 7 | h                  | h      | Max.                                | Date   | Min. | Date  | Mean | Mean | Max  | Range |                                    | Fog  | Mist. | Good |     |
|           |  |     |    |    |   |    |   |    |      |                                    |     |     | m.p.h.             | m.p.h. | F.                                  |        | F.   |       | F.   | F.   | F.   | Max   | Min                                | Max  | Min   | F.   | F.  |
| January   | 0                                      | 19  | 12 | 0  | 0 | 0  | 0 | 0  | 0    | 19                                 | 12  | 0   | 11                 | 10     | 83.0                                | 24     | 42.0 | 8,15  | 79.5 | 48.3 | 63.9 | 38.0  | 19.0                               | 31.1 | 0     | 0    | 31  |
| February  | 0                                      | 25  | 2  | 0  | 0 | 0  | 0 | 0  | 1    | 23                                 | 4   | 0   | 9                  | 10     | 84.6                                | 22     | 45.0 | (i)   | 80.4 | 50.2 | 65.3 | 37.4  | 15.3                               | 30.1 | 0     | 0    | 28  |
| March     | 0                                      | 11  | 5  | 0  | 0 | 0  | 0 | 0  | 15   | 5                                  | 1   | 0   | 5                  | 8      | 83.0                                | 7,12   | 45.0 | (ii)  | 78.6 | 50.4 | 64.5 | 36.1  | 19.0                               | 28.2 | 0     | 1    | 30  |
| April     | 0                                      | 10  | 6  | 0  | 0 | 0  | 0 | 0  | 14   | 16                                 | 0   | 0   | 5                  | 7      | 79.0                                | 10     | 46.0 | 19,30 | 75.3 | 51.3 | 63.3 | 31.6  | 12.2                               | 24.0 | 0     | 1    | 29  |
| May       | 0                                      | 9   | 6  | 0  | 0 | 0  | 0 | 0  | 16   | 15                                 | 0   | 0   | 3                  | 6      | 76.5                                | 9      | 45.2 | 22    | 73.9 | 50.3 | 62.1 | 29.5  | 9.5                                | 23.6 | 0     | 0    | 31  |
| June      | 0                                      | 2   | 1  | 0  | 1 | 0  | 1 | 0  | 25   | 5                                  | 0   | 0   | 1                  | 5      | 75.6                                | 18     | 42.0 | 30    | 72.6 | 49.6 | 61.1 | 31.3  | 12.9                               | 23.0 | 0     | 4    | 26  |
| July      | 0                                      | 5   | 0  | 0  | 0 | 0  | 1 | 0  | 25   | 6                                  | 0   | 0   | 1                  | 6      | 75.0                                | 26     | 43.0 | 9,10  | 71.4 | 49.0 | 60.2 | 31.0  | 12.0                               | 22.4 | 0     | 2    | 29  |
| August    | 0                                      | 0   | 4  | 0  | 0 | 0  | 0 | 0  | 27   | 4                                  | 0   | 0   | 1                  | 5      | 75.3                                | 30     | 43.0 | 22    | 72.8 | 47.8 | 60.3 | 30.4  | 13.0                               | 25.0 | 0     | 1    | 30  |
| September | 1                                      | 0   | 10 | 0  | 1 | 0  | 1 | 0  | 17   | 13                                 | 0   | 0   | 2                  | 7      | 79.0                                | 28     | 42.0 | 5,28  | 76.4 | 45.2 | 60.8 | 37.0  | 21.0                               | 31.2 | 0     | 0    | 30  |
| October   | 0                                      | 8   | 21 | 0  | 1 | 0  | 0 | 0  | 1    | 25                                 | 5   | 0   | 9                  | 7      | 79.0                                | 5,7,11 | 46.0 | 6,10  | 75.8 | 50.3 | 63.1 | 32.5  | 16.0                               | 25.5 | 0     | 0    | 31  |
| November  | 0                                      | 19  | 7  | 0  | 1 | 0  | 0 | 0  | 3    | 22                                 | 5   | 0   | 9                  | 9      | 80.0                                | 15     | 43.5 | 16    | 75.1 | 50.2 | 62.7 | 35.0  | 15.0                               | 25.0 | 0     | 1    | 29  |
| December  | 0                                      | 25  | 3  | 0  | 1 | 0  | 0 | 2  | 0    | 22                                 | 9   | 0   | 9                  | 7      | 78.0                                | often  | 45.0 | (iii) | 75.0 | 48.3 | 61.7 | 32.0  | 14.6                               | 26.7 | 0     | 0    | 31  |
| Year      | 1                                      | 133 | 77 | 0  | 5 | 0  | 3 | 2  | 144  | 85                                 | 36  | 0   | 5.4                | 7.3    | 84.6                                | 22     | 42.0 | Feb.  | 75.6 | 49.2 | 62.4 | 38.0  | 9.5                                | 26.3 | 0     | 10   | 355 |

(i) Several dates: 8, 17, 28 February, 1937. (ii) Several dates: 20, 25, 27 March, 1937. (iii) Several dates: 20, 29, 31 December, 1937.

(iv) Several dates: January 8, 15 : June 30 : September 5, 28 : in 1937.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT KISUMU 1937.

Lat.: 0°06'S

Long.: 34°45'E

Alt.: 3733 ft.

Standard Time 2h 45m. E

Reference No. 903403

| Month     | Atmospheric Pressure @ |        | Temperature |       |      |       | Vapour Pressure |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud Amt. |       | Number of Occasions at h 8.30 of Cloud Amounts |      |           |      |    | Rainfall |           |      | Number of Days of |               |     |
|-----------|------------------------|--------|-------------|-------|------|-------|-----------------|-------|--------------------|-------|-------------------|-------|------------------|-------|--|------|-----------|------|----|----------|-----------|------|-------------------|---------------|-----|
|           | h                      | h      | Dry         | Bulb  | Dew  | Point | h               | h     | h                  | h     | h                 | h     | h                | h     | 0  | 1-3  | 4-6       | 7-9  | 10 | Total    | Max. fall | Date | Rain              | Thun-<br>der. |     |
|           | 8.30                   | 14.30  | 8.30        | 14.30 | 8.30 | 14.30 | 8.30            | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 | mm.  | ins. | in 24hrs. | ins. |    |          |           |      |                   |               |     |
| January   | 26.199                 | 26.090 | 72.1        | 80.3  | 59.5 | 67.1  | .514            | .670  | .280               | .372  | 65                | 64    | 3.5              | 4.4   | 0  | 21   | 3         | 6    | 1  | 87.4     | 3.44      | 1.93 | 20                | 9             | 5   |
| February  | 26.237                 | 26.107 | 72.8        | 79.6  | 62.1 | 67.8  | .561            | .685  | .254               | .331  | 69                | 67    | 4.3              | 4.9   | 1  | 12   | 9         | 5    | 1  | 70.4     | 2.77      | 1.10 | 24                | 10            | ... |
| March     | 26.208                 | 26.102 | 72.7        | 79.4  | 62.8 | 65.5  | .576            | .635  | .233               | .375  | 71                | 63    | 5.5              | 5.7   | 0  | 6    | 12        | 12   | 1  | 178.1    | 7.01      | 1.42 | 31                | 15            | ... |
| April     | 26.226                 | 26.137 | 72.8        | 78.1  | 64.6 | 66.2  | .614            | .650  | .201               | .319  | 75                | 67    | 5.0              | 6.3   | 0  | 2    | 20        | 8    | 0  | 185.9    | 7.32      | 1.97 | 6                 | 18            | ... |
| May       | 26.252                 | 26.164 | 71.7        | 78.4  | 63.5 | 63.1  | .591            | .585  | .195               | .395  | 75                | 60    | 4.9              | 5.3   | 0  | 5    | 16        | 10   | 0  | 255.0    | 10.04     | 2.01 | 18                | 23            | ... |
| June      | 26.267                 | 26.196 | 70.3        | 77.3  | 62.2 | 64.2  | .564            | .605  | .183               | .343  | 75                | 64    | 6.1              | 5.5   | 0  | 9    | 5         | 14   | 2  | 37.3     | 1.47      | 0.42 | 8                 | 10            | ... |
| July      | 26.270                 | 26.205 | 69.3        | 76.4  | 61.0 | 64.0  | .540            | .602  | .181               | .316  | 75                | 66    | 5.8              | 5.5   | 0  | 3    | 15        | 13   | 0  | 45.7     | 1.80      | 0.84 | 22                | 14            | ... |
| August    | 26.261                 | 26.178 | 69.5        | 78.2  | 58.8 | 63.5  | .502            | .591  | .224               | .384  | 69                | 61    | 5.0              | 5.0   | 0  | 12   | 9         | 10   | 0  | 86.6     | 3.41      | 1.03 | 12                | 13            | ... |
| September | 26.249                 | 26.137 | 71.6        | 81.8  | 57.6 | 65.3  | .478            | .629  | .302               | .470  | 61                | 57    | 2.4              | 5.9   | 0  | 27   | 0         | 3    | 0  | 22.4     | 0.88      | 0.37 | 25                | 10            | 3   |
| October   | 26.237                 | 26.122 | 73.4        | 81.3  | 61.2 | 67.1  | .543            | .667  | .287               | .411  | 65                | 62    | 4.2              | 6.2   | 0  | 19   | 3         | 9    | 0  | 106.2    | 4.18      | 1.43 | 31                | 16            | 3   |
| November  | 26.229                 | 26.122 | 72.0        | 80.6  | 62.4 | 66.7  | .570            | .661  | .221               | .393  | 72                | 63    | 4.4              | 6.0   | 0  | 15   | 6         | 9    | 0  | 137.4    | 5.41      | 1.42 | 20                | 17            | 3   |
| December  | 26.211                 | 26.102 | 71.9        | 80.2  | 59.5 | 64.9  | .514            | .620  | .277               | .422  | 65                | 59    | 3.0              | 4.2   | 0  | 22   | 5         | 4    | 0  | 92.7     | 3.65      | 1.98 | 2                 | 9             | 5   |
| Year      | 26.237                 | 26.139 | 71.7        | 79.3  | 61.3 | 65.5  | .547            | .633  | .237               | .378  | 70                | 63    | 4.5              | 5.4   | 1  | 153  | 103       | 103  | 5  | 1305.1   | 51.38     | 2.01 | May<br>18         | 164           | 19  |

\* At Station level; corrected for Temperature and to standard gravity

| Month     | Frequency of Wind Direction at 8.30. |      |      |      |      |      |      |      | Frequency of h Wind Force at 8.30. |      |      | Mean Wind Velocity |              | Extremes of Temperature of the Air. |      |            |      |              |      |      |               | Frequency of h Visibility at 8.30 |      |      |     |      |             |
|-----------|--------------------------------------|------|------|------|------|------|------|------|------------------------------------|------|------|--------------------|--------------|-------------------------------------|------|------------|------|--------------|------|------|---------------|-----------------------------------|------|------|-----|------|-------------|
|           | N                                    | NE   | E    | SE   | S    | SW   | W    | NW   | Calm                               | 1-3  | 4-7  | >7                 | h            | h                                   | Max. | Date       | Min. | Date         | Mean | Mean | 1/2 Max + Min | Range                             |      |      | Fog | Mist | Good Visib. |
|           | Max.                                 | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max.                               | Min. | Max. | Min.               | Max.         | Min.                                | Max. | Min.       | Max. | Min.         | Max. | Min. | Max.          | Min.                              | Max. | Min. |     |      |             |
| January   | 4                                    | 8    | 11   | 4    | 1    | 1    | 1    | 1    | 0                                  | 31   | 0    | 0                  | m.p.h.<br>6. | m.p.h.<br>16                        | 86.7 | 18         | 60.0 | 9            | 81.3 | 64.1 | 72.7          | 22.6                              | 9.4  | 17.2 | 0   | 0    | 31          |
| February  | 3                                    | 15   | 4    | 1    | 0    | 1    | 0    | 1    | 3                                  | 23   | 2    | 0                  | 5            | 17                                  | 88.0 | 15         | 63.0 | 26           | 81.0 | 65.8 | 73.4          | 19.5                              | 9.0  | 15.3 | 0   | 5    | 23          |
| March     | 4                                    | 18   | 1    | 1    | 0    | 3    | 1    | 3    | 0                                  | 31   | 0    | 0                  | 5            | 8                                   | 84.2 | 26         | 61.0 | 3            | 80.5 | 65.5 | 73.0          | 19.5                              | 10.0 | 15.0 | 0   | 3    | 28          |
| April     | 3                                    | 22   | 3    | 1    | 0    | 0    | 1    | 0    | 0                                  | 30   | 0    | 0                  | 3            | 9                                   | 82.0 | 19         | 61.3 | 10           | 79.3 | 65.1 | 72.2          | 19.1                              | 7.1  | 14.2 | 0   | 2    | 28          |
| May       | 3                                    | 27   | 0    | 0    | 1    | 0    | 0    | 0    | 0                                  | 31   | 0    | 0                  | 3            | 9                                   | 84.0 | 7          | 60.3 | 31           | 79.8 | 64.3 | 72.1          | 21.2                              | 9.8  | 15.5 | 0   | 3    | 28          |
| June      | 1                                    | 25   | 1    | 0    | 0    | 1    | 2    | 0    | 0                                  | 29   | 1    | 0                  | 3            | 9                                   | 82.6 | 6          | 57.8 | 30           | 78.6 | 63.5 | 71.1          | 21.0                              | 6.4  | 15.1 | 0   | 17   | 13          |
| July      | 1                                    | 20   | 8    | 1    | 0    | 1    | 0    | 0    | 0                                  | 31   | 0    | 0                  | 4            | 14                                  | 81.0 | 8          | 57.6 | 5,10         | 77.8 | 62.3 | 70.1          | 22.8                              | 9.0  | 15.5 | 0   | 14   | 17          |
| August    | 0                                    | 20   | 8    | 0    | 2    | 0    | 0    | 1    | 0                                  | 31   | 0    | 0                  | 5            | 15                                  | 84.0 | 24         | 57.8 | 15,21        | 79.9 | 61.6 | 70.8          | 25.6                              | 9.4  | 18.3 | 0   | 4    | 27          |
| September | 2                                    | 10   | 12   | 6    | 0    | 0    | 0    | 0    | 0                                  | 30   | 0    | 0                  | 7            | 14                                  | 87.0 | 20         | 59.6 | 16           | 82.8 | 62.4 | 72.6          | 25.1                              | 14.7 | 20.4 | 0   | 1    | 29          |
| October   | 2                                    | 7    | 12   | 5    | 1    | 2    | 1    | 1    | 0                                  | 31   | 0    | 0                  | 7            | 12                                  | 87.7 | 25         | 59.3 | 13           | 82.4 | 64.0 | 73.2          | 26.9                              | 9.9  | 18.4 | 0   | 6    | 25          |
| November  | 1                                    | 9    | 13   | 2    | 0    | 2    | 3    | 0    | 0                                  | 30   | 0    | 0                  | 6            | 13                                  | 86.7 | 7          | 61.4 | 12           | 81.8 | 63.9 | 72.9          | 23.3                              | 11.8 | 17.9 | 0   | 0    | 30          |
| December  | 2                                    | 8    | 15   | 4    | 0    | 1    | 0    | 1    | 0                                  | 31   | 0    | 0                  | 7            | 12                                  | 88.6 | 12         | 61.0 | 20           | 81.9 | 63.2 | 72.5          | 26.0                              | 12.9 | 18.7 | 0   | 0    | 31          |
| Year      | 26                                   | 189  | 88   | 25   | 5    | 12   | 8    | 9    | 3                                  | 359  | 3    | 0                  | 5.1          | 12.3                                | 88.6 | Dec.<br>12 | 57.6 | July<br>5,10 | 80.6 | 63.8 | 72.2          | 26.9                              | 6.4  | 16.8 | 0   | 55   | 310         |



SUMMARY OF METEOROLOGICAL OBSERVATIONS AT WAJIR 1937.

Lat.: 1°45'N Long.: 40°04'E Alt.: 850 ft. Standard time: 2h. 45m. Ref.No.88.4000

| Month     | Atmospheric pressure |        | Temperature |       |      |       | Vapour Pressure |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud Amt. |       | Number of Occasions of Cloud Amounts |     |     |     |    | Rainfall |           |          | Number of Days of |      |         |
|-----------|----------------------|--------|-------------|-------|------|-------|-----------------|-------|--------------------|-------|-------------------|-------|------------------|-------|--------------------------------------|-----|-----|-----|----|----------|-----------|----------|-------------------|------|---------|
|           | °                    |        | ° F         |       |      |       | h               |       | h                  |       | %                 |       | h                |       | 0                                    | 1-3 | 4-6 | 7-9 | 10 | Total    | Max. fall |          | Date              | Rain | Thunder |
|           | h                    | h      | 8.30        | 14.30 | 8.30 | 14.30 | 8.30            | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 |                                      |     |     |     |    | mm.      | ins.      | in 24hrs |                   |      |         |
| January   | 29.014               | ...    | 81.9        | 87.1  | 68.7 | 64.8  | .709            | .617  | .390               | .679  | 65                | 48    | 2.3              | 2.1   | 14                                   | 2   | 15  | 0   | 0  | 0.0      | 0.00      | 0.00     | -                 | 0    | -       |
| February  | 29.018               | ...    | 82.2        | 88.0  | 69.8 | 68.7  | .732            | .706  | .378               | .629  | 66                | 53    | 4.9              | 3.3   | 4                                    | 5   | 9   | 10  | 0  | 2.0      | 0.08      | 0.08     | 2                 | 1    | -       |
| March     | 29.004               | ...    | 82.4        | 87.6  | 70.7 | 70.0  | .759            | .738  | .357               | .582  | 68                | 56    | 4.4              | 4.1   | 4                                    | 2   | 23  | 2   | 0  | 87.9     | 3.46      | 2.32     | 29                | 4    | -       |
| April     | 29.015               | ...    | 81.1        | 83.7  | 75.2 | 74.1  | .883            | .848  | .189               | .316  | 82                | 73    | 7.9              | 4.6   | 3                                    | 0   | 5   | 6   | 16 | 55.4     | 2.18      | 0.56     | 12                | 6    | -       |
| May       | 29.042               | ...    | 80.6        | 83.5  | 72.5 | 71.6  | .806            | .783  | .248               | .372  | 76                | 68    | 7.1              | 4.5   | 1                                    | 3   | 7   | 13  | 7  | 62.5     | 2.46      | 1.66     | 16                | 3    | -       |
| June      | 29.080               | ...    | 79.2        | 82.6  | 71.6 | 70.2  | .780            | .744  | .224               | .378  | 78                | 66    | 7.0              | 7.0   | 1                                    | 1   | 8   | 14  | 6  | 0.0      | 0.00      | 0.00     | -                 | 0    | -       |
| July      | 29.098               | ...    | 77.9        | 81.3  | 68.9 | 67.5  | .712            | .679  | .251               | .399  | 74                | 63    | 5.3              | 6.0   | 0                                    | 4   | 17  | 0   | 0  | 0.0      | 0.00      | 0.00     | -                 | 0    | -       |
| August    | 29.120               | ...    | 77.5        | 81.3  | 68.7 | 67.5  | .709            | .679  | .245               | .399  | 74                | 63    | 5.8              | 5.4   | 1                                    | 0   | 18  | 12  | 0  | 0.0      | 0.00      | 0.00     | -                 | 0    | -       |
| September | 29.097               | 28.943 | 78.8        | 83.3  | 69.8 | 68.4  | .735            | .700  | .257               | .449  | 74                | 61    | 6.1              | 4.1   | 3                                    | 1   | 15  | 3   | 8  | 0.0      | 0.00      | 0.00     | -                 | 0    | -       |
| October   | 29.072               | 28.913 | 79.5        | 82.9  | 71.6 | 71.6  | .783            | .783  | .233               | .354  | 77                | 69    | 7.0              | 5.9   | 1                                    | 0   | 11  | 14  | 5  | 42.9     | 1.69      | 0.83     | 16                | 8    | -       |
| November  | 29.023               | 28.859 | 79.9        | 82.6  | 75.7 | 73.6  | .895            | .836  | .133               | .286  | 87                | 74    | 8.1              | 5.1   | 0                                    | 0   | 7   | 10  | 13 | 17.5     | 0.69      | 0.58     | 19                | 3    | -       |
| December  | 29.020               | 28.864 | 80.2        | 83.5  | 75.0 | 72.5  | .877            | .803  | .165               | .352  | 84                | 70    | 6.1              | 4.9   | 4                                    | 0   | 11  | 11  | 5  | 0.0      | 0.00      | 0.00     | -                 | 0    | -       |
| Year      | 29.050               |        | 80.1        | 83.9  | 71.5 | 70.0  | .782            | .743  | .256               | .433  | 75                | 64    | 6.0              | 4.7   | 36                                   | 18  | 146 | 105 | 60 | 268.2    | 10.56     | 2.32     | MAR 25            | 25   | -       |

\* At Station level: corrected for Temperature and to standard gravity

| Month     | Frequency of Wind Direction at |    |    |     |    |    |   |    | Frequency of Wind Force |     |     | Mean Wind Velocity |     | Extremes of Temperature of the Air. |       |     |      |     |      |      |      | Frequency of Visibility |       |    |    |     |      |      |    |    |
|-----------|--------------------------------|----|----|-----|----|----|---|----|-------------------------|-----|-----|--------------------|-----|-------------------------------------|-------|-----|------|-----|------|------|------|-------------------------|-------|----|----|-----|------|------|----|----|
|           | N                              | NE | E  | SE  | S  | SW | W | NW | Ca                      | m   | 1-3 | 4-7                | > 7 | h                                   | h     | Max | Date | Min | Date | Mean | Mean | Max                     | Range |    |    | Fog | Mist | Good |    |    |
|           |                                |    |    |     |    |    |   |    |                         |     |     |                    |     | m.p.h                               | m.p.h | F.  |      | F.  |      | F.   | F.   | F.                      | F.    | F. | F. | F.  |      |      |    |    |
| January   | 0                              | 6  | 10 | 14  | 0  | 0  | 0 | 0  | 1                       | 30  | 0   | 0                  | 2   | 1                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 25 |
| February  | 0                              | 0  | 28 | 0   | 0  | 0  | 0 | 0  | 0                       | 28  | 0   | 0                  | 2   | 1                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      | 15 | 13 |
| March     | 0                              | 0  | 23 | 4   | 0  | 0  | 0 | 0  | 4                       | 27  | 0   | 0                  | 2   | 1                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      | 18 | 13 |
| April     | 0                              | 0  | 1  | 5   | 4  | 0  | 0 | 0  | 20                      | 10  | 0   | 0                  | 1   | 1                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 4  |
| May       | 0                              | 0  | 0  | 16  | 6  | 0  | 0 | 0  | 9                       | 22  | 0   | 0                  | 2   | 2                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 7  |
| June      | 0                              | 0  | 0  | 23  | 4  | 0  | 0 | 0  | 3                       | 27  | 0   | 0                  | 2   | 2                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 1  |
| July      | 0                              | 0  | 0  | 30  | 1  | 0  | 0 | 0  | 0                       | 31  | 0   | 0                  | 3   | 3                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 3  |
| August    | 0                              | 0  | 0  | 31  | 0  | 0  | 0 | 0  | 0                       | 31  | 0   | 0                  | 2   | 3                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 3  |
| September | 0                              | 0  | 0  | 25  | 0  | 0  | 0 | 0  | 5                       | 25  | 0   | 0                  | 2   | 2                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 4  |
| October   | 0                              | 1  | 1  | 17  | 0  | 0  | 0 | 0  | 12                      | 19  | 0   | 0                  | 1   | 1                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 1  |
| November  | 0                              | 1  | 5  | 13  | 1  | 0  | 0 | 0  | 10                      | 20  | 0   | 0                  | 1   | 1                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 0  |
| December  | 0                              | 5  | 11 | 11  | 0  | 0  | 0 | 0  | 4                       | 27  | 0   | 0                  | 2   | 1                                   |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 0  |
| Year      | 0                              | 13 | 79 | 189 | 16 | 0  | 0 | 0  | 68                      | 297 | 0   | 0                  | 1.8 | 1.6                                 |       |     |      |     |      |      |      |                         |       |    |    |     |      |      |    | 81 |

84731

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MAIVASHA 1937.

Lat.: 0° 43'S

Long.: 36° 26'E

Alt.: 6354 ft.

Standard Time 2h 45m. E

Reference No. 90.3602

| Month     | Atmospheric Pressure @ |       | Temperature |       |           |       | Vapour Pressure |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud Amt. |       | Number of Occasions at 8.30. h of Cloud Amounts |      |           |     |    | Rainfall |      |           | Number of Days of |      |               |  |
|-----------|------------------------|-------|-------------|-------|-----------|-------|-----------------|-------|--------------------|-------|-------------------|-------|------------------|-------|---|------|-----------|-----|----|----------|------|-----------|-------------------|------|---------------|--|
|           | h                      | h     | Dry Bulb    |       | Dew Point |       | h               | h     | h                  | h     | h                 | h     | h                | h     | 0   | 1-3  | 4-6       | 7-9 | 10 | Total    |      | Max. Fall | Date              | Rain | Thun-<br>der. |  |
|           | 8.30                   | 14.30 | 8.30        | 14.30 | 8.30      | 14.30 | 8.30            | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 | mm.   | ins. | in 24hrs. |     |    |          |      |           |                   |      |               |  |
| January   | ins.                   | ins.  | 57.6        | 69.5  | 52        |       |                 |       |                    |       |                   |       |                  |       |   |      |           |     |    |          |      |           |                   |      |               |  |
| February  |                        |       |             |       |           |       |                 |       |                    |       |                   |       |                  |       |   |      |           |     |    |          |      |           |                   |      |               |  |
| March     |                        |       |             |       |           |       |                 |       |                    |       |                   |       |                  |       |   |      |           |     |    |          |      |           |                   |      |               |  |
| April     |                        |       |             |       |           |       |                 |       |                    |       |                   |       |                  |       |   |      |           |     |    |          |      |           |                   |      |               |  |
| May       |                        |       |             |       |           |       |                 |       |                    |       |                   |       |                  |       |   |      |           |     |    |          |      |           |                   |      |               |  |
| June      |                        |       |             |       |           |       |                 |       |                    |       |                   |       |                  |       |   |      |           |     |    |          |      |           |                   |      |               |  |
| July      |                        |       | 57.6        | 69.5  | 52.3      | 53.8  | .396            | .416  | .082               | .310  | 83                | 57    | 6.8              | 7.2   | 0   | 6    | 7         | 10  | 8  | 101.1    | 3.98 | 1.37      | 19                | 15   | 14            |  |
| August    |                        |       | 57.6        | 69.3  | 50.9      | 50.9  | .375            | .375  | .103               | .346  | 78                | 52    | 6.2              | 7.0   | 0   | 6    | 6         | 11  | 2  | 36.8     | 1.45 | 0.66      | 9                 | 10   | 4             |  |
| September |                        |       | 59.6        | 74.6  | 50.9      | 46.8  | .375            | .322  | .139               | .543  | 73                | 37    | 3.4              | 6.7   | 0   | 18   | 10        | 2   | 0  | 16.8     | 0.66 | 0.37      | 29                | 7    | 8             |  |
| October   |                        |       | 61.7        | 70.9  | 53.6      | 51.1  | .413            | .378  | .142               | .384  | 74                | 50    | 6.3              | 7.5   | 0   | 3    | 14        | 11  | 3  | 65.8     | 2.59 | 0.52      | 26                | 16   | 7             |  |
| November  |                        |       | 61.8        | 71.6  | 53.1      | 51.8  | .408            | .387  | .150               | .393  | 73                | 50    | 6.0              | 7.4   | 0   | 3    | 12        | 15  | 0  | 96.0     | 3.78 | 1.13      | 21                | 17   | 17            |  |
| December  |                        |       | 58.8        | 71.6  | 52.0      | 51.3  | .390            | .381  | .112               | .399  | 78                | 49    | 5.2              | 7.1   | 0   | 9    | 14        | 6   | 2  | 51.6     | 2.03 | 0.61      | 28                | 12   | 12            |  |

@ At Station level: corrected for temperature and to standard gravity.

| Month     | Frequency of Wind Direction at 8.30.h |    |   |    |    |    |   |    | Frequency of h Wind force at 8.30 |     |     | Mean Wind Velocity |        | Extremes of Temperature of The Air. |      |      |      |      |      |      |      | Frequency of Visibility at 8.30 |      |      |      |     |      |      |  |
|-----------|---------------------------------------|----|---|----|----|----|---|----|-----------------------------------|-----|-----|--------------------|--------|-------------------------------------|------|------|------|------|------|------|------|---------------------------------|------|------|------|-----|------|------|--|
|           | N                                     | NE | E | SE | S  | SW | W | NW | Calm                              | 1-3 | 4-7 | >7                 | h      | h                                   | Max  | Date | Min. | Date | Mean | Mean | Max  | Range                           | Max  | Min. | Mean | Fog | Mist | Good |  |
|           |                                       |    |   |    |    |    |   |    |                                   |     |     |                    | m.p.h. | m.p.h.                              | F.   |      | F.   |      | F.   | F.   | F.   | F.                              | F.   | F.   | F.   |     |      |      |  |
| January   |                                       |    |   |    |    |    |   |    |                                   |     |     |                    |        |                                     |      |      |      |      |      |      |      |                                 |      |      |      |     |      |      |  |
| February  |                                       |    |   |    |    |    |   |    |                                   |     |     |                    |        |                                     |      |      |      |      |      |      |      |                                 |      |      |      |     |      |      |  |
| March     |                                       |    |   |    |    |    |   |    |                                   |     |     |                    |        |                                     |      |      |      |      |      |      |      |                                 |      |      |      |     |      |      |  |
| April     |                                       |    |   |    |    |    |   |    |                                   |     |     |                    |        |                                     |      |      |      |      |      |      |      |                                 |      |      |      |     |      |      |  |
| May       |                                       |    |   |    |    |    |   |    |                                   |     |     |                    |        |                                     |      |      |      |      |      |      |      |                                 |      |      |      |     |      |      |  |
| June      |                                       |    |   |    |    |    |   |    |                                   |     |     |                    |        |                                     |      |      |      |      |      |      |      |                                 |      |      |      |     |      |      |  |
| July      | 5                                     | 0  | 0 | 1  | 20 | 3  | 0 | 0  | 2                                 | 29  | 0   | 0                  | 4      | 8                                   | 76.3 | 27   | 41.9 | 9    | 71.2 | 49.7 | 60.5 | 30.0                            | 9.8  | 21.4 | 0    | 1   | 30   |      |  |
| August    | 0                                     | 1  | 0 | 1  | 23 | 0  | 0 | 0  | 0                                 | 25  | 0   | 0                  | 5      | 13                                  | 77.8 | 24   | 43.7 | 15   | 71.3 | 47.6 | 59.5 | 33.3                            | 14.0 | 23.7 | 0    | 0   | 25   |      |  |
| September | 0                                     | 0  | 1 | 3  | 24 | 1  | 0 | 0  | 1                                 | 29  | 0   | 0                  | 4      | 12                                  | 80.6 | 20   | 39.2 | 4    | 78.1 | 44.3 | 61.2 | 39.9                            | 24.5 | 33.8 | 0    | 0   | 30   |      |  |
| October   | 1                                     | 0  | 0 | 5  | 19 | 2  | 2 | 0  | 2                                 | 27  | 2   | 0                  | 5      | 11                                  | 86.5 | 11   | 39.0 | 10   | 75.5 | 50.1 | 62.8 | 44.6                            | 13.2 | 25.4 | 0    | 0   | 31   |      |  |
| November  | 6                                     | 11 | 0 | 3  | 6  | 2  | 0 | 0  | 2                                 | 27  | 1   | 0                  | 5      | 10                                  | 81.7 | 16   | 41.9 | 14   | 76.0 | 47.8 | 61.9 | 39.0                            | 15.2 | 28.2 | 0    | 0   | 30   |      |  |
| December  | 11                                    | 7  | 0 | 1  | 7  | 0  | 0 | 0  | 5                                 | 26  | 0   | 0                  | 5      | 9                                   | 80.4 | 30   | 40.4 | 22   | 75.6 | 46.4 | 61.0 | 39.0                            | 12.1 | 29.3 | 0    | 0   | 31   |      |  |



SUMMARY OF METEOROLOGICAL OBSERVATIONS AT VOI 1937.

Lat.: 3°24' S

Long.: 38°54' E

Alt.: 1833 ft.

Standard Time 2h 45m. E.

Reference No. 93.3801

| Month     | Atmospheric Pressure <sup>①</sup> |       | Temperature |       |           |       | Vapour Pressure |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud amt. |       | Number of Occasions at 8.30h of Cloud Amounts |       |    |     |     | Rainfall |      |      | Number of Days of |           |      |      |          |   |
|-----------|-----------------------------------|-------|-------------|-------|-----------|-------|-----------------|-------|--------------------|-------|-------------------|-------|------------------|-------|---|-------|----|-----|-----|----------|------|------|-------------------|-----------|------|------|----------|---|
|           | h                                 | h     | Dry         | Bulb  | Dew Point |       | h               | h     | h                  | h     | h                 | h     | h                | h     | h   | h     | h  | h   | h   | h        | h    | h    | h                 | h         | h    | h    | h        | h |
|           | 8.30                              | 14.30 | 8.30        | 14.30 | 8.30      | 14.30 | 8.30            | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 | 8.30  | 14.30 | 0  | 1-3 | 4-6 | 7-9      | 10   | mm.  | ins.              | in 24hrs. | Date | Rain | Thunder. |   |
| January   | ins.                              | ins.  | F           | F     | F         | F     | ins.            | ins.  | ins.               | ins.  | %                 | %     |                  |       |   |       |    |     |     |          |      |      |                   |           |      |      |          |   |
| February  |                                   |       |             |       |           |       |                 |       |                    |       |                   |       |                  |       |   |       |    |     |     |          |      |      |                   |           |      |      |          |   |
| March     |                                   |       |             |       |           |       |                 |       |                    |       |                   |       |                  |       |   |       |    |     |     |          |      |      |                   |           |      |      |          |   |
| April     |                                   |       |             |       |           |       |                 |       |                    |       |                   |       |                  |       |   |       |    |     |     |          |      |      |                   |           |      |      |          |   |
| May       |                                   |       |             |       |           |       |                 |       |                    |       |                   |       |                  |       |   |       |    |     |     |          |      |      |                   |           |      |      |          |   |
| June      |                                   |       |             |       |           |       |                 |       |                    |       |                   |       |                  |       |   |       |    |     |     |          |      |      |                   |           |      |      |          |   |
| July      |                                   |       | 69.5        | 80.9  | 59.0      | 57.4  | .502            | .475  | .224               | .591  | 69                | 45    | 4.7              | 8.2   | 0   | 11    | 9  | 5   | 1   | 0.0      | 0.00 | 0.00 | -                 | 0         | ...  |      |          |   |
| August    |                                   |       | 69.4        | 80.6  | 59.0      | 54.7  | .502            | .431  | .224               | .623  | 69                | 41    | 5.8              | 8.9   | 0   | 7     | 12 | 10  | 2   | 11.7     | 0.46 | 0.17 | 16                | 4         | ...  |      |          |   |
| September |                                   |       | 72.3        | 84.4  | 60.6      | 56.1  | .535            | .455  | .265               | .735  | 67                | 38    | 5.4              | 6.0   | 0   | 7     | 14 | 6   | 3   | 6.9      | 0.27 | 0.11 | 19                | 3         | ...  |      |          |   |
| October   |                                   |       | 73.3        | 83.0  | 63.9      | 61.5  | .597            | .552  | .227               | .585  | 72                | 49    | 6.8              | 6.7   | 1   | 5     | 7  | 10  | 8   | 57.9     | 2.28 | 0.79 | 29                | 13        | ...  |      |          |   |
| November  |                                   |       | 75.2        | 85.1  | 66.2      | 63.0  | .650            | .579  | .230               | .638  | 74                | 48    | 5.5              | 6.2   | 2   | 9     | 7  | 8   | 4   | 244.9    | 9.64 | 2.73 | 30                | 15        | 16   |      |          |   |
| December  |                                   |       | 73.6        | 82.3  | 67.5      | 65.7  | .679            | .638  | .157               | .472  | 81                | 57    | 6.8              | 6.0   | 1   | 5     | 5  | 13  | 7   | 138.2    | 5.44 | 1.20 | 2                 | 16        | 5    |      |          |   |

① At Station level; corrected for Temperature and to standard gravity

| Month     | Frequency of Wind Direction at 8.30.h. |    |   |    |    |    |   |    | Calm | Frequency of Wind Force at 8.30h. |     |    | Mean Wind Velocity |        | Extremes of Temperature of the Air |      |      |      |      |      |      |       | Frequency of Visibility at 8.30 |      |      |      |    |
|-----------|--|----|---|----|----|----|---|----|------|-----------------------------------|-----|----|--------------------|--------|------------------------------------|------|------|------|------|------|------|-------|---------------------------------|------|------|------|----|
|           | N                                      | NE | E | SE | S  | SW | W | NW |      | 1-3                               | 4-7 | >7 | h                  | h      | Max.                               | Date | Min. | Date | Mean | Mean | Max  | Range | Mean                            | Fog  | Mist | Good |    |
|           |  |    |   |    |    |    |   |    |      |                                   |     |    | m.p.h.             | m.p.h. | F.                                 |      | F.   |      | F.   | F.   | F.   | F.    | F.                              | F.   |      |      |    |
| January   |  |    |   |    |    |    |   |    |      |                                   |     |    |                    |        |                                    |      |      |      |      |      |      |       |                                 |      |      |      |    |
| February  |  |    |   |    |    |    |   |    |      |                                   |     |    |                    |        |                                    |      |      |      |      |      |      |       |                                 |      |      |      |    |
| March     |  |    |   |    |    |    |   |    |      |                                   |     |    |                    |        |                                    |      |      |      |      |      |      |       |                                 |      |      |      |    |
| April     |  |    |   |    |    |    |   |    |      |                                   |     |    |                    |        |                                    |      |      |      |      |      |      |       |                                 |      |      |      |    |
| May       |  |    |   |    |    |    |   |    |      |                                   |     |    |                    |        |                                    |      |      |      |      |      |      |       |                                 |      |      |      |    |
| June      |  |    |   |    |    |    |   |    |      |                                   |     |    |                    |        |                                    |      |      |      |      |      |      |       |                                 |      |      |      |    |
| July      | 0                                      | 0  | 0 | 0  | 22 | 4  | 0 | 0  | 0    | 23                                | 3   | 0  | 9                  | 9      | 85.1                               | 29   | 59.9 | 12   | 82.4 | 62.8 | 72.6 | 23.7  | 13.4                            | 19.6 | 0    | 0    | 26 |
| August    | 0                                      | 0  | 0 | 0  | 26 | 5  | 0 | 0  | 0    | 30                                | 1   | 0  | 10                 | 12     | 86.8                               | 24   | 59.2 | 12   | 82.0 | 62.5 | 72.3 | 26.9  | 14.2                            | 19.5 | 0    | 0    | 31 |
| September | 0                                      | 0  | 0 | 1  | 27 | 2  | 0 | 0  | 0    | 30                                | 0   | 0  | 8                  | 14     | 91.1                               | 5    | 60.2 | 18   | 85.6 | 64.7 | 75.1 | 27.0  | 12.5                            | 20.9 | 0    | 0    | 30 |
| October   | 0                                      | 0  | 0 | 1  | 28 | 2  | 0 | 0  | 0    | 31                                | 0   | 0  | 7                  | 13     | 91.8                               | 10   | 57.6 | 10   | 84.8 | 66.1 | 75.5 | 34.2  | 9.2                             | 18.7 | 0    | 0    | 31 |
| November  | 0                                      | 5  | 7 | 2  | 12 | 4  | 0 | 0  | 0    | 30                                | 0   | 0  | 5                  | 9      | 92.1                               | 25   | 61.9 | 5    | 87.5 | 67.1 | 77.5 | 29.2  | 10.2                            | 20.4 | 0    | 0    | 30 |
| December  | 3                                      | 15 | 4 | 0  | 3  | 5  | 1 | 0  | 0    | 31                                | 0   | 0  | 4                  | 7      | 89.1                               | 28   | 62.2 | 27   | 84.3 | 67.8 | 76.1 | 25.0  | 12.2                            | 16.5 | 0    | 1    | 30 |

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT BENITA FIELD KIAMBU 1937.

Lat.: 1.12'S

Long.: 36.49'E

Alt.: 5680 ft.

Standard time: 2h. 45m E.

Ref.No.91.3647

| Month     | Atmospheric Pressure |       | Temperature |       |           |       | Vapour Pressure |       | Saturation Def. c't |       | Relative Humidity |       | Total Cloud Amt. |       | Number of Occasions Of Cloud Amounts |     |     |     |    | Rainfall |           |      | Number of Days of |       |     |
|-----------|----------------------|-------|-------------|-------|-----------|-------|-----------------|-------|---------------------|-------|-------------------|-------|------------------|-------|--------------------------------------|-----|-----|-----|----|----------|-----------|------|-------------------|-------|-----|
|           | h                    | h     | Dry         | Bulb  | Dew Point | h     | h               | h     | h                   | h     | h                 | h     | h                | h     | 0                                    | 1-3 | 4-6 | 7-9 | 10 | Total    | Max. fall | Date | Rain              | Thun- |     |
|           | 8.30                 | 14.30 | 8.30        | 14.30 | 8.30      | 14.30 | 8.30            | 14.30 | 8.30                | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 | 0                                    | 1-3 | 4-6 | 7-9 | 10 | mm.      | ns.       | ins. |                   |       |     |
| January   | ...                  | ...   | 67.7        | 80.0  | 55.2      | 52.0  | .440            | .390  | .242                | .644  | 65                | 38    | 4.5              | 6.0   | 1                                    | 12  | 7   | 9   | 2  | 13.5     | 0.53      | 0.29 | 19                | 4     | ... |
| February  | ...                  | ...   | 68.0        | 83.5  | 56.8      | 48.7  | .467            | .346  | .224                | .809  | 68                | 30    | 5.4              | 5.6   | 3                                    | 5   | 9   | 10  | 1  | 0.0      | 0.00      | 0.00 | -                 | 0     | ... |
| March     | ...                  | ...   | 65.7        | 79.8  | 58.1      | 53.2  | .487            | .408  | .151                | .620  | 76                | 40    | 7.5              | 6.9   | 0                                    | 3   | 4   | 18  | 6  | 161.8    | 6.37      | 1.76 | 31                | 11    | ... |
| April     | ...                  | ...   | 64.5        | 74.3  | 60.4      | 59.7  | .529            | .517  | .085                | .339  | 86                | 60    | 8.4              | 7.4   | 0                                    | 1   | 0   | 25  | 4  | 341.1    | 13.43     | 2.93 | 19                | 24    | ... |
| May       | ...                  | ...   | 62.5        | 70.9  | 58.8      | 58.5  | .499            | .493  | .071                | .269  | 88                | 65    | 8.3              | 7.9   | 0                                    | 0   | 3   | 22  | 6  | 314.7    | 12.39     | 3.29 | 0                 | 19    | ... |
| June      | ...                  | ...   | 59.2        | 65.9  | 57.0      | 59.2  | .470            | .508  | .038                | .133  | 92                | 79    | 9.4              | 8.3   | 0                                    | 0   | 0   | 11  | 19 | 159.8    | 6.29      | 2.27 | 2                 | 18    | ... |
| July      | ...                  | ...   | 58.5        | 69.1  | 53.8      | 54.9  | .416            | .434  | .077                | .284  | 84                | 60    | 7.7              | 7.9   | 0                                    | 3   | 6   | 11  | 11 | 2.0      | 0.08      | 0.03 | 15                | 5     | ... |
| August    | ...                  | ...   | 58.2        | 68.6  | 53.2      | 53.4  | .408            | .410  | .082                | .293  | 83                | 58    | 8.5              | 8.1   | 0                                    | 1   | 3   | 12  | 15 | 15.7     | 0.62      | 0.41 | 2                 | 8     | ... |
| September | ...                  | ...   | 61.7        | 77.3  | 55.0      | 50.9  | .437            | .375  | .118                | .573  | 79                | 40    | 7.0              | 5.8   | 0                                    | 7   | 4   | 11  | 8  | 0.0      | 0.00      | 0.00 | -                 | 0     | ... |
| October   | ...                  | ...   | 62.2        | 73.0  | 57.4      | 55.0  | .475            | .437  | .089                | .384  | 84                | 53    | 8.3              | 7.3   | 0                                    | 2   | 3   | 14  | 12 | 164.3    | 6.47      | 1.35 | 19                | 10    | ... |
| November  | ...                  | ...   | 64.5        | 74.2  | 59.2      | 57.7  | .508            | .481  | .106                | .369  | 83                | 57    | 7.8              | 6.5   | 0                                    | 0   | 2   | 25  | 3  | 294.4    | 11.59     | 2.61 | 10                | 17    | ... |
| December  | ...                  | ...   | 64.0        | 73.0  | 58.1      | 56.7  | .487            | .464  | .115                | .357  | 81                | 56    | 7.1              | 6.4   | 0                                    | 4   | 6   | 17  | 4  | 73.4     | 2.89      | 0.68 | 3-15              | 12    | ... |
| Year      |                      |       | 63.1        | 74.1  | 56.9      | 55.0  | .469            | .439  | .117                | .423  | 81                | 53    | 7.5              | 7.0   | 4                                    | 38  | 47  | 185 | 91 | 1540.7   | 60.66     | 3.29 | MAY 10            | 136   | ... |

● At Station level: corrected for Temperature and to standard gravity

| Month     | Frequency of Wind Direction at |     |    |    |    |    |    |    |      | Frequency of Wind Force |     |     | Mean Wind Velocity |        | Extremes of Temperature of the Air. |         |      |          |      |      |      |       | Frequency of visibility |      |      |    |     |
|-----------|--------------------------------|-----|----|----|----|----|----|----|------|-------------------------|-----|-----|--------------------|--------|-------------------------------------|---------|------|----------|------|------|------|-------|-------------------------|------|------|----|-----|
|           | N                              | NE  | E  | SE | S  | SW | W  | NW | Calm | 1-3                     | 4-7 | > 7 | 8.30               | 14.30  | Max                                 | Date    | Min  | Date     | Mean | Mean | Max  | Range | Fog                     | Mist | Good |    |     |
|           |                                |     |    |    |    |    |    |    |      |                         |     |     | m.p.h.             | m.p.h. | F.                                  |         | F.   |          | F.   | F.   | F.   | F.    | F.                      | F.   | F.   | F. |     |
| January   | 8                              | 15  | 5  | 1  | 0  | 0  | 0  | 2  | 0    | 17                      | 14  | 0   | 13                 | 22     | 86.4                                | 26      | 48.0 | 5, 7     | 81.9 | 53.7 | 67.8 | 35.0  | 13.6                    | 28.2 | 0    | 1  | 30  |
| February  | 1                              | 21  | 3  | 3  | 0  | 0  | 0  | 0  | 0    | 12                      | 16  | 0   | 13                 | 22     | 89.0                                | 16      | 50.4 | 19       | 85.1 | 55.5 | 70.3 | 70.8  | 20.6                    | 29.6 | 0    | 2  | 26  |
| March     | 5                              | 18  | 2  | 3  | 1  | 0  | 0  | 2  | 0    | 26                      | 5   | 0   | 9                  | 19     | 87.4                                | 7       | 49.8 | 27       | 81.4 | 56.9 | 69.1 | 33.8  | 7.4                     | 24.5 | 0    | 3  | 28  |
| April     | 2                              | 12  | 5  | 4  | 2  | 3  | 2  | 0  | 0    | 29                      | 1   | 0   | 7                  | 15     | 80.0                                | 10      | 54.3 | 3        | 76.1 | 58.6 | 67.3 | 23.7  | 12.4                    | 17.5 | 0    | 4  | 26  |
| May       | 2                              | 1   | 2  | 4  | 3  | 2  | 0  | 0  | 0    | 14                      | 0   | 0   | 5                  | 16     | 76.4                                | 6       | 52.7 | 27       | 73.1 | 57.0 | 65.1 | 21.3  | 7.3                     | 16.1 | 0    | 5  | 26  |
| June      | 0                              | 1   | 0  | 1  | 2  | 1  | 1  | 0  | 0    | 6                       | 0   | 0   | 7                  | 13     | 76.0                                | 4       | 49.6 | 30       | 80.6 | 55.8 | 62.7 | 21.0  | 4.4                     | 13.8 | 0    | 14 | 16  |
| July      | 4                              | 4   | 1  | 5  | 5  | 8  | 4  | 0  | 0    | 24                      | 7   | 0   | 9                  | 17     | 80.8                                | 24      | 46.2 | 9        | 70.8 | 51.9 | 61.3 | 31.0  | 8.2                     | 18.9 | 0    | 10 | 21  |
| August    | 1                              | 3   | 4  | 4  | 5  | 10 | 4  | 0  | 0    | 24                      | 7   | 0   | 9                  | 14     | 78.6                                | 24      | 48.2 | 24       | 70.7 | 58.6 | 61.8 | 30.4  | 8.9                     | 17.9 | 0    | 12 | 19  |
| September | 5                              | 12  | 7  | 4  | 0  | 1  | 0  | 0  | 1    | 29                      | 0   | 0   | 6                  | 13     | 85.2                                | 22      | 44.6 | 19       | 80.0 | 51.9 | 65.9 | 37.6  | 16.7                    | 28.1 | 0    | 2  | 28  |
| October   | 4                              | 14  | 6  | 4  | 1  | 2  | 0  | 0  | 0    | 27                      | 4   | 0   | 8                  | 16     | 84.8                                | 10      | 48.9 | 6        | 75.9 | 56.3 | 66.1 | 34.5  | 8.0                     | 19.6 | 0    | 7  | 24  |
| November  | 1                              | 17  | 6  | 2  | 0  | 2  | 1  | 1  | 0    | 27                      | 3   | 0   | 8                  | 15     | 80.4                                | 6       | 50.7 | 15       | 76.6 | 57.2 | 66.9 | 29.3  | 12.7                    | 19.4 | 0    | 2  | 28  |
| December  | 3                              | 20  | 5  | 2  | 0  | 0  | 0  | 1  | 0    | 23                      | 8   | 0   | 9                  | 14     | 80.0                                | 27      | 48.4 | 26       | 74.9 | 55.9 | 65.4 | 30.0  | 10.5                    | 19.0 | 0    | 6  | 25  |
| Year      | 36                             | 138 | 46 | 37 | 19 | 29 | 12 | 6  | 1    | 258                     | 65  | 0   | 8.6                | 16.3   | 89.0                                | Feb. 16 | 44.6 | Sept. 19 | 76.3 | 55.3 | 65.8 | 37.6  | 4.4                     | 21.1 | 0    | 68 | 297 |

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT NAKURU 1937.

Lat.: 0°17'8

Long.: 36°04'E

Alt.: 6024 ft.

Standard time 2h. 45mE.

Ref.No.90.3621

| Month     | Atmospheric Pressure |        | Temperature |       |      |       | Vapour Pressure |      | Saturation Deficit |      | Relative Humidity |    | Total Cloud Amt. |     | Number of Occasions of Cloud Amounts |     |     |     |    | Rainfall |       |                    | Number of Days of |      |           |
|-----------|----------------------|--------|-------------|-------|------|-------|-----------------|------|--------------------|------|-------------------|----|------------------|-----|--------------------------------------|-----|-----|-----|----|----------|-------|--------------------|-------------------|------|-----------|
|           | 8.30                 | 14.30  | Dry         | Bulb  | Dew  | Point | h               | h    | h                  | h    | h                 | h  | h                | h   | 0                                    | 1-3 | 4-6 | 7-9 | 10 | Total    |       | Max.fall in 24hrs. | Date              | Rain | Thun-der. |
|           |                      |        | 8.30        | 14.30 | 8.30 | 14.30 |                 |      |                    |      |                   |    |                  |     |                                      |     |     |     |    | 8.30     | 14.30 |                    |                   |      |           |
| January   | ins.                 | ins.   | F           | F     | F    | F     | ins.            | ins. | ins.               | ins. | 62                | 31 | 6.5              | 9.2 | 0                                    | 8   | 3   | 20  | 0  | 17.3     | 0.68  | 0.34               | 28,3              | 2    | -         |
| February  | 24.212               | 24.096 | 63.1        | 80.2  | 50.0 | 47.1  | .363            | .325 | .222               | .717 | 62                | 31 | 6.5              | 9.2 | 0                                    | 8   | 3   | 20  | 0  | 17.3     | 0.68  | 0.34               | 28,3              | 2    | -         |
| March     | 24.197               | 24.091 | 63.4        | 79.8  | 53.6 | 49.1  | .413            | .351 | .175               | .677 | 70                | 34 | 4.9              | 8.5 | 0                                    | 20  | 2   | 8   | 1  | 78.5     | 3.09  | 0.91               | 12                | 7    | -         |
| April     | 24.215               | 24.126 | 62.6        | 72.0  | 58.1 | 57.6  | .487            | .478 | .086               | .313 | 85                | 60 | 5.7              | 9.4 | 0                                    | 16  | 1   | 10  | 3  | 145.8    | 5.74  | 0.77               | 30                | 19   | 1         |
| May       | 24.241               | 24.156 | 63.0        | 74.1  | 57.6 | 57.7  | .478            | .481 | .100               | .369 | 83                | 57 | 5.6              | 8.6 | 0                                    | 18  | 0   | 11  | 2  | 133.9    | 5.27  | 0.72               | 14                | 18   | -         |
| June      | 24.250               | 24.185 | 60.3        | 71.8  | 56.3 | 57.0  | .458            | .470 | .068               | .316 | 87                | 60 | 7.5              | 9.1 | 0                                    | 9   | 0   | 12  | 9  | 130.8    | 5.15  | 1.60               | 25                | 18   | -         |
| July      | 24.256               | 24.176 | 58.9        | 71.5  | 54.9 | 55.9  | .434            | .452 | .065               | .325 | 87                | 58 | 6.6              | 8.1 | 0                                    | 13  | 0   | 13  | 5  | 133.3    | 5.25  | 1.48               | 31                | 16   | 1         |
| August    | 24.262               | 24.182 | 59.6        | 71.3  | 54.1 | 55.8  | .422            | .449 | .092               | .322 | 82                | 58 | 4.4              | 7.3 | 0                                    | 24  | 0   | 5   | 2  | 141.2    | 5.56  | 1.27               | 8                 | 18   | 2         |
| September | 24.256               | 24.153 | 60.5        | 76.8  | 52.2 | 51.3  | .393            | .381 | .139               | .549 | 74                | 41 | 3.4              | 6.8 | 2                                    | 24  | 1   | 3   | 0  | 20.8     | 0.82  | 0.41               | 12                | 4    | -         |
| October   | 24.244               | 24.132 | 62.7        | 73.1  | 54.5 | 53.8  | .428            | .416 | .148               | .405 | 74                | 51 | 5.8              | 7.7 | 0                                    | 6   | 12  | 13  | 0  | 65.5     | 2.58  | 0.48               | 31                | 12   | 1         |
| November  | 24.218               | 24.108 | 62.5        | 73.8  | 55.2 | 53.8  | .440            | .416 | .130               | .423 | 77                | 50 | 5.1              | 7.1 | 0                                    | 9   | 14  | 7   | 0  | 66.3     | 2.61  | 0.86               | 18                | 10   | -         |
| December  | 24.206               | 24.099 | 62.0        | 73.7  | 54.3 | 51.8  | .425            | .387 | .136               | .452 | 76                | 46 | 4.7              | 6.0 | 0                                    | 17  | 8   | 6   | 0  | 30.7     | 1.21  | 0.32               | 11                | 7    | -         |
| Year      | 24.231               | 24.134 | 61.8        | 75.0  | 54.4 | 53.0  | .428            | .409 | .129               | .472 | 77                | 48 | 5.3              | 8.0 | 2                                    | 188 | 41  | 111 | 23 | 977.3    | 38.48 | 1.60               | June 25           | 135  | 4         |

● At Station level: corrected for Temperature and to standard gravity.

| Month     | Frequency of Wind Direction at 8.30 |    |   |    |    |    |   |     |      | Frequency of Wind Force 8.30 |     |    | Mean Wind Velocity |     | Extremes of Temperature of the Air |        |        |      |      |      |      |       |      |      | Frequency of Visibility |      |      |
|-----------|-------------------------------------|----|---|----|----|----|---|-----|------|------------------------------|-----|----|--------------------|-----|------------------------------------|--------|--------|------|------|------|------|-------|------|------|-------------------------|------|------|
|           | N                                   | NE | E | SE | S  | SW | W | NW  | Calm | 1-3                          | 4-7 | >7 | h                  | h   | Max                                | Date   | Min.   | Date | Max. | Min. | Max  | Range |      | Fog  | Mist                    | Good |      |
|           |                                     |    |   |    |    |    |   |     |      |                              |     |    |                    |     |                                    |        |        |      |      |      |      | Max   | Min. |      |                         |      | Mean |
| January   | 0                                   | 2  | 2 | 1  | 1  | 1  | 0 | 19  | 5    | 26                           | 0   | 0  | 2                  | 14  | 87.3                               | 27     | ...    | ...  | 83.0 | ...  | ...  | ...   | ...  | ...  | 5                       | 21   | 5    |
| February  | 0                                   | 4  | 0 | 3  | 0  | 0  | 0 | 18  | 3    | 25                           | 0   | 0  | 2                  | 11  | 88.5                               | 27     | ...    | ...  | 84.4 | ...  | ...  | ...   | ...  | ...  | 2                       | 13   | 13   |
| March     | 0                                   | 8  | 0 | 2  | 1  | 1  | 0 | 14  | 5    | 26                           | 0   | 0  | 2                  | 10  | 87.3                               | 9      | ...    | ...  | 82.9 | ...  | ...  | ...   | ...  | ...  | 3                       | 2    | 26   |
| April     | 0                                   | 3  | 0 | 3  | 0  | 3  | 0 | 18  | 3    | 27                           | 0   | 0  | 2                  | 9   | 80.2                               | 11     | ...    | ...  | 76.4 | ...  | ...  | ...   | ...  | ...  | 3                       | 5    | 22   |
| May       | 0                                   | 1  | 0 | 2  | 0  | 0  | 0 | 24  | 4    | 27                           | 0   | 0  | 3                  | 5   | 78.1                               | 7      | ...    | ...  | 75.7 | ...  | ...  | ...   | ...  | ...  | 0                       | 2    | 29   |
| June      | 0                                   | 6  | 0 | 1  | 0  | 0  | 0 | 16  | 7    | 23                           | 0   | 0  | 2                  | 5   | 78.5                               | 4      | ...    | ...  | 75.1 | ...  | ...  | ...   | ...  | ...  | 0                       | 9    | 21   |
| July      | 0                                   | 6  | 0 | 3  | 0  | 0  | 0 | 21  | 1    | 29                           | 1   | 0  | 3                  | 7   | 78.1                               | 24     | ...    | ...  | 74.4 | ...  | ...  | ...   | ...  | ...  | 4                       | 9    | 18   |
| August    | 0                                   | 3  | 0 | 2  | 0  | 0  | 0 | 22  | 4    | 27                           | 0   | 0  | 4                  | 9   | 77.0                               | 24     | ...    | ...  | 73.5 | ...  | ...  | ...   | ...  | ...  | 1                       | 4    | 26   |
| September | 0                                   | 9  | 2 | 3  | 0  | 0  | 0 | 8   | 8    | 22                           | 0   | 0  | 2                  | 6   | 83.7                               | 28     | ...    | ...  | 79.5 | ...  | ...  | ...   | ...  | ...  | 0                       | 0    | 30   |
| October   | 0                                   | 1  | 2 | 5  | 11 | 5  | 2 | 0   | 5    | 24                           | 2   | 0  | 4                  | 8   | 83.6                               | 9      | 41.9   | 10   | 77.5 | 50.5 | 64.0 | 41.6  | 13.1 | 27.0 | 0                       | 0    | 31   |
| November  | 0                                   | 1  | 0 | 0  | 9  | 8  | 3 | 5   | 4    | 26                           | 0   | 0  | 3                  | 9   | 82.6                               | 14     | 45.0   | 3    | 77.2 | 50.3 | 63.7 | 37.1  | 13.0 | 26.9 | 0                       | 3    | 27   |
| December  | 0                                   | 1  | 0 | 4  | 10 | 6  | 2 | 3   | 5    | 26                           | 0   | 0  | 2                  | 7   | 84.9                               | 30     | 42.2   | 3    | 77.3 | 49.1 | 63.2 | 39.9  | 9.4  | 28.2 | 0                       | 1    | 30   |
| Year      | 0                                   | 45 | 6 | 29 | 32 | 24 | 7 | 168 | 54   | 308                          | 3   | 0  | 2.6                | 8.3 | 88.5                               | Feb 27 | Oct 10 | 78.1 | 50.0 | 63.6 | 41.6 | 9.4   | 27.4 | 18   | 69                      | 278  |      |

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MANDERA 1937.

Lat.: 3°57'N

Long.: 41°52'E

Alt.: 620 ft.

Standard Time 2h 45m. E

Reference No. 86.4100

| Month     | Atmospheric Pressure @ |        | Temperature |       |           |       | Vapour Pressure |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud amt. |       | Number of Occasions at 8.30 of Cloud Amounts. |      |      |           |    | Rainfall |       |           | Number of Days of |      |               |
|-----------|------------------------|--------|-------------|-------|-----------|-------|-----------------|-------|--------------------|-------|-------------------|-------|------------------|-------|---|------|------|-----------|----|----------|-------|-----------|-------------------|------|---------------|
|           | h                      | h      | Dry Bulb    |       | Dew Point |       | h               | h     | h                  | h     | h                 | h     | h                | h     | 0   | 1-3  | 4-6  | 7-9       | 10 | Total    |       | Max. fall | Date              | Rain | Thun-<br>der. |
|           | 8.30                   | 14.30  | 8.30        | 14.30 | 8.30      | 14.30 | 8.30            | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 | mm.   | ins. | ins. | in 24hrs. |    |          |       |           |                   |      |               |
| January   | 29.130                 | 29.043 | 82.4        | 90.7  | 66.2      | 65.8  | .650            | .641  | .466               | .812  | 58                | 44    | 0.8              | 0.2   | 26  | 2    | 1    | 2         | 0  | 0.0      | 0.00  | 0.00      | -                 | 0    | ...           |
| February  | 29.132                 | 28.948 | 84.6        | 92.1  | 69.6      | 69.1  | .729            | .718  | .467               | .803  | 61                | 47    | 0.9              | 2.0   | 16  | 10   | 2    | 0         | 0  | 1.0      | 0.04  | 0.04      | 3                 | 1    | ...           |
| March     | 29.121                 | 28.955 | 84.9        | 92.5  | 68.4      | 66.6  | .697            | .656  | .514               | .883  | 58                | 43    | 3.3              | 2.8   | 11  | 10   | 0    | 7         | 3  | 54.6     | 2.15  | 1.29      | 27                | 4    | 1             |
| April     | 29.133                 | 29.032 | 81.9        | 86.4  | 72.7      | 72.5  | .809            | .803  | .290               | .464  | 74                | 63    | 0.0              | 5.0   | 2   | 2    | 8    | 8         | 2  | 67.1     | 2.64  | 1.42      | 8                 |      | 1             |
| May       | 29.178                 | 29.042 | 81.3        | 89.2  | 70.7      | 68.2  | .756            | .697  | .322               | .691  | 70                | 50    | 6.0              | 4.6   | 3   | 6    | 6    | 14        | 2  | 80.5     | 3.17  | 1.19      | 6                 | 8    | ...           |
| June      | 29.204                 | 29.075 | 80.2        | 87.1  | 64.9      | 65.7  | .620            | .638  | .422               | .658  | 59                | 49    | 4.9              | 7.6   | 3   | 8    | 10   | 7         | 2  | 0.0      | 0.00  | 0.00      | -                 | 0    | ...           |
| July      | 29.235                 | 29.120 | 78.6        | 86.5  | 63.7      | 64.4  | .594            | .608  | .392               | .668  | 60                | 48    | 6.2              | 6.2   | 3   | 8    | 2    | 12        | 6  | 0.0      | 0.00  | 0.00      | -                 | 0    | ...           |
| August    | 29.255                 | 29.115 | 78.8        | 87.1  | 63.5      | 64.0  | .591            | .602  | .401               | .694  | 60                | 46    | 4.5              | 5.8   | 0   | 13   | 11   | 7         | 0  | 1.8      | 0.07  | 0.05      | 16                | 2    | ...           |
| September | 29.235                 | 29.088 | 80.6        | 89.1  | 64.4      | 64.8  | .608            | .617  | .446               | .765  | 58                | 45    | 3.6              | 2.9   | 9   | 10   | 4    | 7         | 0  | 0.0      | 0.00  | 0.00      | -                 | 0    | ...           |
| October   | 29.196                 | 29.048 | 80.4        | 85.8  | 70.2      | 69.6  | .744            | .729  | .304               | .517  | 71                | 59    | 7.1              | 4.8   | 1   | 2    | 9    | 11        | 8  | 112.0    | 4.41  | 1.22      | 29                | 10   | ...           |
| November  | 29.168                 | 29.039 | 80.8        | 86.7  | 72.1      | 69.4  | .797            | .726  | .263               | .556  | 75                | 57    | 7.2              | 4.2   | 1   | 4    | 5    | 12        | 8  | 27.7     | 1.09  | 0.85      | 13                | 3    | ...           |
| December  | 29.186                 | 29.044 | 80.4        | 89.1  | 66.9      | 66.9  | .664            | .664  | .384               | .718  | 63                | 48    | 3.1              | 1.7   | 11  | 8    | 6    | 4         | 2  | 0.0      | 0.00  | 0.00      | -                 | 0    | ...           |
| Year      | 29.186                 | 29.046 | 81.2        | 88.5  | 67.8      | 67.3  | .688            | .675  | .389               | .686  | 64                | 50    | 4.5              | 4.0   | 86  | 83   | 64   | 91        | 33 | 344.7    | 13.57 | 1.29      | 27                |      | 2             |

\* At station level: corrected for temperature and standard gravity

| Month     | Frequency of Wind Direction at 8.30 h. |    |    |    |    |     |    |    | Frequency of Wind Force at 8.30 |        |     | Mean Wind Velocity |      | Extremes of the Air |      |          |      |        |      |      |      |       |      | Frequency of Visibility at 8.30 |     |      |           |
|-----------|--|----|----|----|----|-----|----|----|---------------------------------|--------|-----|--------------------|------|---------------------|------|----------|------|--------|------|------|------|-------|------|---------------------------------|-----|------|-----------|
|           | N                                      | NE | E  | SE | S  | SW  | W  | NW | Calm                            | 1-3    | 4-7 | >7                 | 8.30 | 14.30               | Max. | Date     | Min. | Date   | Mean | Mean | Max  | Range |      |                                 | Fog | Mist | Good Vis. |
|           | F.                                     | F. | F. | F. | F. | F.  | F. | F. | m.p.h.                          | m.p.h. | F.  | F.                 | F.   | F.                  | F.   | F.       | F.   | F.     | F.   | F.   | F.   | F.    | F.   | F.                              |     |      |           |
| January   | 0                                      | 20 | 7  | 3  | 0  | 0   | 0  | 0  | 1                               | 20     | 10  | 0                  | 11   | 12                  | 96.0 | oft.     | 72.0 | 4, 5   | 94.1 | 76.0 | 85.1 | 22.0  | 13.0 | 18.0                            | 0   | 1    | 30        |
| February  | 0                                      | 2  | 6  | 19 | 1  | 0   | 0  | 0  | 0                               | 26     | 2   | 0                  | 7    | 6                   | 98.0 | often    | 74.0 | 15, 17 | 96.1 | 79.7 | 87.9 | 24.0  | 12.0 | 16.4                            | 0   | 0    | 28        |
| March     | 0                                      | 2  | 2  | 23 | 0  | 1   | 0  | 1  | 2                               | 29     | 0   | 0                  | 8    | 9                   | 98.0 | often    | 74.0 | 30     | 96.1 | 79.9 | 88.0 | 20.0  | 12.0 | 16.2                            | 0   | 1    | 30        |
| April     | 0                                      | 0  | 0  | 1  | 1  | 9   | 1  | 0  | 10                              | 12     | 0   | 0                  | 3    | 8                   | 94.0 | often    | 74.0 | 9, 16  | 91.0 | 77.5 | 84.3 | 18.0  | 6.4  | 13.4                            | 0   | 1    | 21        |
| May       | 0                                      | 0  | 0  | 0  | 1  | 24  | 1  | 0  | 5                               | 21     | 5   | 0                  | 8    | 9                   | 96.0 | 1        | 74.0 | 8      | 92.2 | 77.5 | 84.9 | 18.0  | 10.0 | 14.7                            | 1   | 2    | 28        |
| June      | 0                                      | 0  | 0  | 0  | 0  | 29  | 1  | 0  | 0                               | 19     | 11  | 0                  | 12   | 13                  | 94.0 | 30       | 74.0 | 16, 27 | 89.7 | 76.6 | 83.1 | 18.0  | 8.0  | 13.1                            | 0   | 0    | 30        |
| July      | 0                                      | 0  | 0  | 0  | 0  | 31  | 0  | 0  | 0                               | 23     | 8   | 0                  | 11   | 12                  | 94.0 | 4, 6     | 72.0 | 22, 25 | 88.9 | 75.1 | 82.0 | 20.0  | 10.4 | 13.8                            | 0   | 0    | 31        |
| August    | 0                                      | 0  | 0  | 0  | 1  | 30  | 0  | 0  | 0                               | 30     | 1   | 0                  | 10   | 11                  | 94.0 | 4, 5, 30 | 72.0 | 23, 25 | 90.3 | 74.6 | 82.5 | 20.0  | 12.0 | 15.6                            | 0   | 1    | 30        |
| September | 0                                      | 0  | 0  | 0  | 6  | 24  | 0  | 0  | 0                               | 29     | 1   | 0                  | 10   | 10                  | 96.0 | often    | 74.0 | often  | 93.5 | 75.9 | 84.7 | 22.0  | 12.0 | 17.6                            | 0   | 0    | 30        |
| October   | 0                                      | 0  | 0  | 8  | 0  | 12  | 0  | 0  | 11                              | 20     | 0   | 0                  | 4    | 5                   | 96.0 | 1, 6     | 70.0 | 3      | 87.9 | 76.3 | 82.1 | 20.9  | 2.5  | 11.6                            | 0   | 0    | 31        |
| November  | 3                                      | 2  | 0  | 4  | 0  | 8   | 3  | 2  | 6                               | 22     | 0   | 0                  | 4    | 4                   | 90.0 | often    | 70.8 | 30     | 87.7 | 76.7 | 82.2 | 19.2  | 6.0  | 11.0                            | 0   | 0    | 30        |
| December  | 1                                      | 4  | 4  | 0  | 4  | 1   | 17 | 0  | 0                               | 31     | 0   | 0                  | 7    | 7                   | 92.0 | often    | 71.0 | 10     | 90.2 | 76.6 | 83.4 | 20.0  | 7.1  | 13.6                            | 0   | 0    | 31        |
| Year      | 4                                      | 30 | 19 | 58 | 14 | 169 | 23 | 3  | 37                              | 282    | 38  | 0                  | 7.9  | 9.0                 | 98.0 | f        | 70.0 | 3      | 91.5 | 76.9 | 84.2 | 24.0  | 2.5  | 14.6                            | 1   | 6    | 350       |

f Several dates in February and March 1937.

SUMMARY OF METEOROLOGICAL OBSERVATIONS AT MOYALE 1937.

Lat.: 3°32'N

Long.: 39°03'E

Alt.: 3550 ft.

Standard Time: 2h 45m. E.

Reference No. 86.3900

| Month     | Atmospheric Pressure $\bar{h}$ |        | Temperature |       |           |       | Vapour Pressure |       | Saturation Deficit |       | Relative Humidity |       | Total Cloud Amt. |       | Number of Occasions at 8.30 of Cloud Amounts. |     |     |     |    | Rainfall |           |           | Number of Days of |       |     |     |
|-----------|--------------------------------|--------|-------------|-------|-----------|-------|-----------------|-------|--------------------|-------|-------------------|-------|------------------|-------|---|-----|-----|-----|----|----------|-----------|-----------|-------------------|-------|-----|-----|
|           | h                              | h      | Dry         | Bulb  | Dew Point |       | h               | h     | h                  | h     | h                 | h     | h                | h     | 0   | 1-3 | 4-6 | 7-9 | 10 | Total    | Max. fall | Date      | Rain              | Thun- |     |     |
|           | 8.30                           | 14.30  | 8.30        | 14.30 | 8.30      | 14.30 | 8.30            | 14.30 | 8.30               | 14.30 | 8.30              | 14.30 | 8.30             | 14.30 | 0   | 1-3 | 4-6 | 7-9 | 10 | mm.      | ins.      | in 24hrs. | ins.              | Der.  |     |     |
| January   | 26.355                         | 26.273 | 75.6        | 85.5  | ...       | ...   | ...             | ...   | ...                | ...   | ...               | ...   | ...              | 1.7   | 3.2   | 21  | 3   | 5   | 1  | 1        | 25.7      | 1.01      | 0.35              | 28    | 5   | ... |
| February  | 26.358                         | 26.229 | 75.2        | 85.2  | ...       | ...   | ...             | ...   | ...                | ...   | ...               | ...   | ...              | 1.9   | 5.3   | 12  | 9   | 6   | 1  | 0        | 44.2      | 1.74      | 1.29              | 25    | 3   | ... |
| March     | 26.341                         | 26.255 | 74.2        | 83.4  | 61.5      | 59.0  | .549            | .505  | .301               | .650  | 65                | 44    | 3.5              | 5.0   | 9   | 7   | 8   | 5   | 2  | 67.1     | 2.64      | 1.28      | 31                | 7     | ... |     |
| April     | 26.353                         | 26.279 | 71.1        | 76.8  | 64.0      | 66.7  | .602            | .661  | .166               | .269  | 78                | 71    | 7.3              | 5.1   | 0   | 4   | 11  | 0   | 15 | 278.1    | 10.95     | 1.80      | 21                | 14    | ... |     |
| May       | 26.400                         | 26.311 | 69.4        | 74.3  | 63.1      | 63.9  | .582            | .599  | .144               | .257  | 80                | 70    | 7.5              | 4.6   | 0   | 1   | 15  | 0   | 15 | 171.7    | 6.76      | 2.47      | 17                | 15    | ... |     |
| June      | 26.423                         | 26.335 | 65.0        | 72.2  | 58.8      | 61.3  | .502            | .546  | .116               | .248  | 61                | 69    | 5.1              | 4.2   | 0   | 9   | 15  | 1   | 5  | 11.2     | 0.44      | 0.33      | 26                | 2     | ... |     |
| July      | 26.435                         | 26.332 | 64.0        | 73.0  | 56.5      | 57.4  | .461            | .475  | .141               | .346  | 76                | 58    | 5.1              | 3.9   | 0   | 4   | 23  | 4   | 0  | 0.0      | 0.00      | 0.00      | -                 | 0     | ... |     |
| August    | 26.441                         | 26.344 | 65.0        | 74.1  | 56.8      | 57.2  | .467            | .473  | .153               | .377  | 75                | 56    | 4.2              | 4.3   | 0   | 11  | 19  | 0   | 1  | 7.1      | 0.28      | 0.13      | 25                | 3     | ... |     |
| September | 26.420                         | 26.311 | 66.7        | 77.9  | 60.1      | 68.4  | .523            | .700  | .138               | .263  | 79                | 73    | 5.6              | 3.1   | 0   | 9   | 11  | 7   | 3  | 23.9     | 0.94      | 0.61      | 11                | 3     | ... |     |
| October   | 26.412                         | 26.296 | 66.3        | 75.1  | 62.4      | 62.8  | .567            | .576  | .086               | .301  | 87                | 66    | 8.0              | 5.8   | 0   | 3   | 4   | 9   | 15 | 169.9    | 6.69      | 2.09      | 16                | 21    | ... |     |
| November  | 26.367                         | 26.261 | 69.2        | 76.1  | 63.9      | 64.8  | .597            | .617  | .124               | .290  | 83                | 68    | 6.4              | 5.9   | 1   | 8   | 2   | 11  | 8  | 131.6    | 5.18      | 1.32      | 23                | 12    | ... |     |
| December  | 26.358                         | 26.252 | 70.1        | 81.1  | 57.2      | 55.9  | .473            | .452  | .271               | .620  | 63                | 42    | 3.6              | 4.1   | 3   | 15  | 3   | 10  | 0  | 0.0      | 0.00      | 0.00      | -                 | 0     | ... |     |
| Year      | 26.389                         | 26.290 | 69.3        | 77.3  |           |       |                 |       |                    |       |                   |       | 5.0              | 4.5   | 46  | 83  | 122 | 49  | 65 | 930.5    | 36.63     | 2.47      | 17                | 85    | ... |     |

3 At Station Level: corrected for temperature and to standard gravity.

| Month     | Frequency of Wind Direction at 8.30h. |    |    |    |    |    |   |    |      | Frequency of Wind Force at 8.30h |     |    | Mean Wind Velocity |        | Extremes of Temperature of the Air. |       |      |         |      |      |      | Frequency of Visibility at 8.30 |      |      |     |      |      |
|-----------|---------------------------------------|----|----|----|----|----|---|----|------|----------------------------------|-----|----|--------------------|--------|-------------------------------------|-------|------|---------|------|------|------|---------------------------------|------|------|-----|------|------|
|           | N                                     | NE | E  | SE | S  | SW | W | NW | Calm | 1-3                              | 4-7 | >7 | h                  | h      | Max.                                | Date  | Min. | Date    | Mean | Mean | Max  | Daily Range                     |      |      | Fog | Mist | Good |
|           |                                       |    |    |    |    |    |   |    |      |                                  |     |    | m.p.h.             | m.p.h. | F.                                  |       | F.   |         | F.   | F.   | F.   | Max                             | Min  | Mean |     |      |      |
| January   | 0                                     | 3  | 13 | 4  | 4  | 0  | 0 | 0  | 7    | 16                               | 8   | 0  | 8                  | 8      | 94.0                                | 6     | 61.6 | 13      | 88.5 | 65.6 | 77.1 | 31.0                            | 10.0 | 22.9 | 0   | 0    | 31   |
| February  | 0                                     | 1  | 8  | 3  | 8  | 0  | 0 | 0  | 6    | 18                               | 2   | 0  | 6                  | 8      | 93.0                                | 15,16 | 63.4 | 2       | 88.2 | 67.1 | 77.7 | 25.0                            | 14.0 | 21.1 | 0   | 0    | 28   |
| March     | 1                                     | 2  | 0  | 11 | 4  | 3  | 0 | 0  | 10   | 21                               | 0   | 0  | 5                  | 6      | 92.0                                | 7,19  | 64.0 | 4       | 87.2 | 66.9 | 77.1 | 25.0                            | 12.0 | 20.3 | 0   | 1    | 30   |
| April     | 0                                     | 0  | 1  | 8  | 7  | 4  | 0 | 0  | 10   | 20                               | 0   | 0  | 5                  | 3      | 85.0                                | 2     | 60.0 | 1, 19   | 78.0 | 64.7 | 71.3 | 22.6                            | 5.0  | 13.3 | 2   | 1    | 27   |
| May       | 0                                     | 0  | 0  | 8  | 0  | 15 | 0 | 0  | 8    | 23                               | 0   | 0  | 6                  | 5      | 79.0                                | 4,8,9 | 59.0 | 27      | 75.7 | 63.7 | 69.7 | 18.0                            | 6.0  | 12.0 | 1   | 3    | 27   |
| June      | 0                                     | 0  | 0  | 7  | 4  | 18 | 0 | 0  | 1    | 29                               | 0   | 0  | 7                  | 6      | 79.0                                | 13,25 | 60.0 | 30      | 74.1 | 61.8 | 67.9 | 18.5                            | 7.2  | 12.3 | 0   | 0    | 30   |
| July      | 0                                     | 0  | 0  | 5  | 14 | 12 | 0 | 0  | 0    | 31                               | 0   | 0  | 8                  | 7      | 78.9                                | 26    | 57.2 | 24      | 74.7 | 60.5 | 67.6 | 20.2                            | 6.0  | 14.2 | 0   | 0    | 31   |
| August    | 0                                     | 0  | 0  | 1  | 25 | 5  | 0 | 0  | 0    | 31                               | 0   | 0  | 9                  | 8      | 80.0                                | 15,31 | 58.0 | 23      | 75.4 | 60.8 | 68.1 | 20.9                            | 8.0  | 14.7 | 0   | 0    | 31   |
| September | 0                                     | 0  | 0  | 9  | 10 | 11 | 0 | 0  | 0    | 30                               | 0   | 0  | 7                  | 6      | 84.0                                | 19    | 57.2 | 9       | 79.7 | 61.6 | 70.7 | 23.0                            | 11.3 | 18.1 | 0   | 0    | 30   |
| October   | 0                                     | 0  | 2  | 14 | 4  | 8  | 0 | 0  | 3    | 27                               | 1   | 0  | 6                  | 7      | 87.0                                | 7,10  | 61.0 | 2,24,25 | 77.6 | 63.1 | 70.3 | 23.5                            | 7.0  | 14.4 | 8   | 2    | 21   |
| November  | 0                                     | 4  | 6  | 11 | 2  | 4  | 0 | 0  | 3    | 27                               | 0   | 0  | 8                  | 8      | 83.0                                | 18    | 59.0 | 29      | 78.3 | 62.9 | 70.6 | 21.5                            | 10.5 | 15.4 | 4   | 2    | 24   |
| December  | 0                                     | 1  | 5  | 13 | 3  | 9  | 0 | 0  | 0    | 31                               | 0   | 0  | 9                  | 7      | 87.5                                | 28    | 56.0 | 19      | 82.5 | 62.5 | 72.5 | 25.5                            | 14.0 | 20.0 | 0   | 0    | 31   |
| Year      | 1                                     | 11 | 35 | 94 | 85 | 89 | 0 | 0  | 50   | 304                              | 11  | 0  | 7.0                | 6.6    | 94.0                                | 6     | 57.2 | 24      | 80.0 | 63.4 | 71.7 | 31.0                            | 5.0  | 16.6 | 15  | 9    | 341  |

# Several dates: 9th. September 1937.