

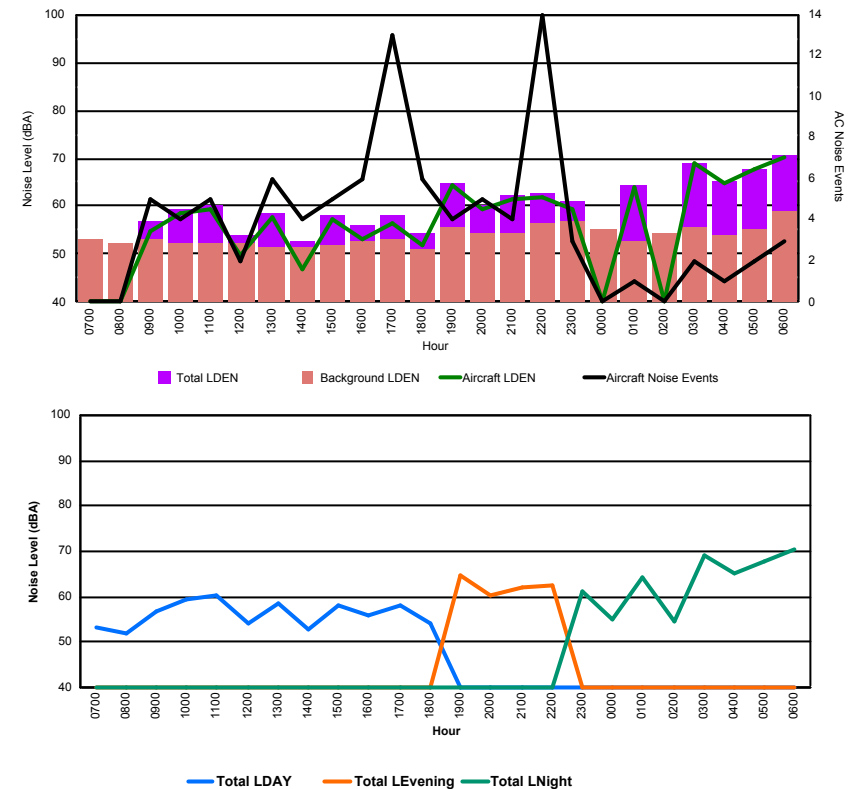


## Luxembourg Airport Noise Distribution by Hour

Between 22/10/2017 00:00:00 and 22/10/2017 23:59:59 (Local Time)

| Day            | Aircraft<br>Events | Total<br>LDEN dB<br>(A) | Aircraft<br>LDEN dB(A) | Background<br>LDEN dB(A) | Total LDay<br>dB(A) | Total<br>LEvening<br>dB(A) | Total<br>LNight dB<br>(A) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 22/10/17 7:00  | -                  | 53.1                    | -                      | 53.2                     | 53.1                | -                          | -                         |
| 22/10/17 8:00  | -                  | 52.0                    | -                      | 52.1                     | 52.0                | -                          | -                         |
| 22/10/17 9:00  | 5                  | 56.9                    | 54.7                   | 53.1                     | 56.9                | -                          | -                         |
| 22/10/17 10:00 | 4                  | 59.4                    | 58.5                   | 52.2                     | 59.4                | -                          | -                         |
| 22/10/17 11:00 | 5                  | 60.1                    | 59.3                   | 52.3                     | 60.1                | -                          | -                         |
| 22/10/17 12:00 | 2                  | 54.1                    | 49.6                   | 52.2                     | 54.1                | -                          | -                         |
| 22/10/17 13:00 | 6                  | 58.4                    | 57.5                   | 51.3                     | 58.4                | -                          | -                         |
| 22/10/17 14:00 | 4                  | 52.6                    | 46.7                   | 51.3                     | 52.6                | -                          | -                         |
| 22/10/17 15:00 | 5                  | 58.2                    | 57.2                   | 51.7                     | 58.2                | -                          | -                         |
| 22/10/17 16:00 | 6                  | 55.9                    | 53.1                   | 52.9                     | 55.9                | -                          | -                         |
| 22/10/17 17:00 | 13                 | 58.1                    | 56.6                   | 53.2                     | 58.1                | -                          | -                         |
| 22/10/17 18:00 | 6                  | 54.3                    | 51.7                   | 51.1                     | 54.3                | -                          | -                         |
| 22/10/17 19:00 | 4                  | 64.8                    | 64.3                   | 55.5                     | -                   | 64.8                       | -                         |
| 22/10/17 20:00 | 5                  | 60.4                    | 59.3                   | 54.3                     | -                   | 60.4                       | -                         |
| 22/10/17 21:00 | 4                  | 62.2                    | 61.5                   | 54.2                     | -                   | 62.2                       | -                         |
| 22/10/17 22:00 | 14                 | 62.7                    | 61.7                   | 56.3                     | -                   | 62.7                       | -                         |
| 22/10/17 23:00 | 3                  | 61.2                    | 59.3                   | 56.7                     | -                   | -                          | 61.2                      |
| 23/10/17 0:00  | -                  | 55.2                    | -                      | 55.3                     | -                   | -                          | 55.2                      |
| 23/10/17 1:00  | 1                  | 64.2                    | 63.9                   | 52.5                     | -                   | -                          | 64.2                      |
| 23/10/17 2:00  | -                  | 54.4                    | -                      | 54.5                     | -                   | -                          | 54.4                      |
| 23/10/17 3:00  | 2                  | 69.1                    | 68.9                   | 55.8                     | -                   | -                          | 69.1                      |
| 23/10/17 4:00  | 1                  | 65.0                    | 64.6                   | 54.0                     | -                   | -                          | 65.0                      |
| 23/10/17 5:00  | 2                  | 67.8                    | 67.7                   | 55.3                     | -                   | -                          | 67.8                      |
| 23/10/17 6:00  | 3                  | 70.6                    | 70.2                   | 58.9                     | -                   | -                          | 70.6                      |
|                | <b>95</b>          | <b>62.9</b>             | <b>62.3</b>            | <b>54.2</b>              | <b>56.9</b>         | <b>62.8</b>                | <b>66.2</b>               |

Location: Roodt/Syr NMT # 1



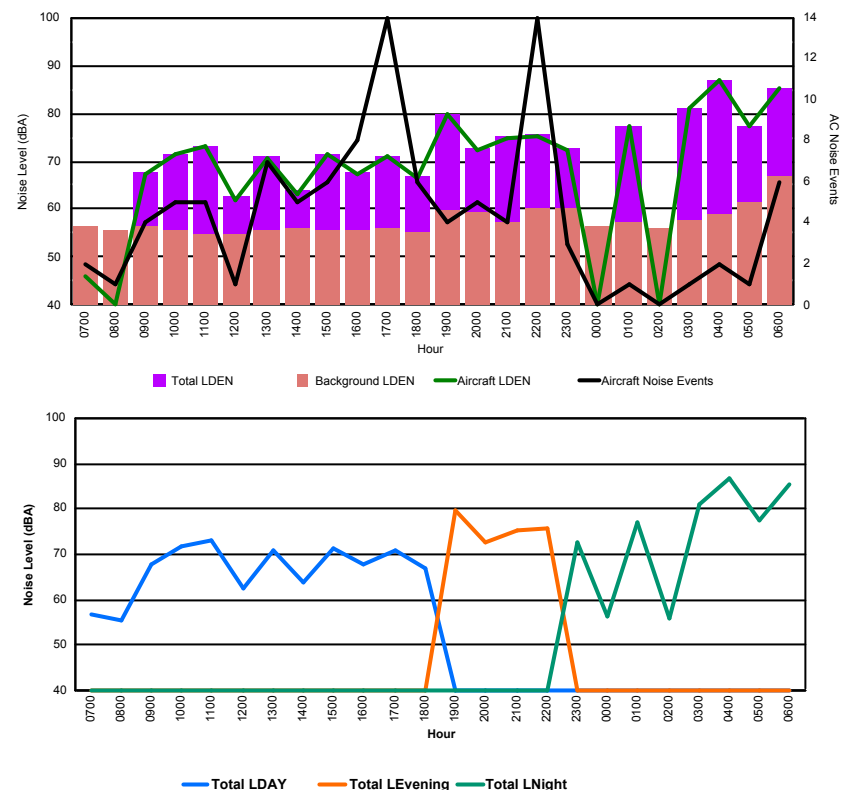


## Luxembourg Airport Noise Distribution by Hour

Between 22/10/2017 00:00:00 and 22/10/2017 23:59:59 (Local Time)

| Day            | Aircraft<br>Events | Total<br>LDEN dB<br>(A) | Aircraft<br>LDEN dB(A) | Background<br>LDEN dB(A) | Total LDay<br>dB(A) | Total<br>LEvening<br>dB(A) | Total<br>LNight dB<br>(A) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 22/10/17 7:00  | 2                  | 56.6                    | 46.2                   | 56.6                     | 56.6                | -                          | -                         |
| 22/10/17 8:00  | 1                  | 55.3                    | 34.9                   | 55.5                     | 55.3                | -                          | -                         |
| 22/10/17 9:00  | 4                  | 67.7                    | 67.4                   | 56.3                     | 67.7                | -                          | -                         |
| 22/10/17 10:00 | 5                  | 71.6                    | 71.5                   | 55.5                     | 71.6                | -                          | -                         |
| 22/10/17 11:00 | 5                  | 73.1                    | 73.1                   | 54.8                     | 73.1                | -                          | -                         |
| 22/10/17 12:00 | 1                  | 62.7                    | 61.9                   | 54.8                     | 62.7                | -                          | -                         |
| 22/10/17 13:00 | 7                  | 70.9                    | 70.8                   | 55.6                     | 70.9                | -                          | -                         |
| 22/10/17 14:00 | 5                  | 63.9                    | 63.2                   | 55.9                     | 63.9                | -                          | -                         |
| 22/10/17 15:00 | 6                  | 71.5                    | 71.4                   | 55.5                     | 71.5                | -                          | -                         |
| 22/10/17 16:00 | 8                  | 67.6                    | 67.3                   | 55.7                     | 67.6                | -                          | -                         |
| 22/10/17 17:00 | 14                 | 71.1                    | 71.0                   | 56.2                     | 71.1                | -                          | -                         |
| 22/10/17 18:00 | 6                  | 66.8                    | 66.5                   | 55.4                     | 66.8                | -                          | -                         |
| 22/10/17 19:00 | 4                  | 79.6                    | 79.6                   | 59.8                     | -                   | 79.6                       | -                         |
| 22/10/17 20:00 | 5                  | 72.8                    | 72.5                   | 59.4                     | -                   | 72.8                       | -                         |
| 22/10/17 21:00 | 4                  | 75.1                    | 75.0                   | 57.2                     | -                   | 75.1                       | -                         |
| 22/10/17 22:00 | 14                 | 75.6                    | 75.4                   | 60.2                     | -                   | 75.6                       | -                         |
| 22/10/17 23:00 | 3                  | 72.6                    | 72.4                   | 60.2                     | -                   | -                          | 72.6                      |
| 23/10/17 0:00  | -                  | 56.5                    | -                      | 56.5                     | -                   | -                          | 56.5                      |
| 23/10/17 1:00  | 1                  | 77.2                    | 77.1                   | 57.2                     | -                   | -                          | 77.2                      |
| 23/10/17 2:00  | -                  | 56.1                    | -                      | 56.1                     | -                   | -                          | 56.1                      |
| 23/10/17 3:00  | 1                  | 81.1                    | 81.0                   | 57.9                     | -                   | -                          | 81.1                      |
| 23/10/17 4:00  | 2                  | 86.8                    | 86.8                   | 59.0                     | -                   | -                          | 86.8                      |
| 23/10/17 5:00  | 1                  | 77.3                    | 77.2                   | 61.4                     | -                   | -                          | 77.3                      |
| 23/10/17 6:00  | 6                  | 85.3                    | 85.3                   | 67.0                     | -                   | -                          | 85.3                      |
|                | <b>105</b>         | <b>77.5</b>             | <b>77.4</b>            | <b>58.8</b>              | <b>69.0</b>         | <b>76.5</b>                | <b>81.3</b>               |

Location: DVOR NMT # 2



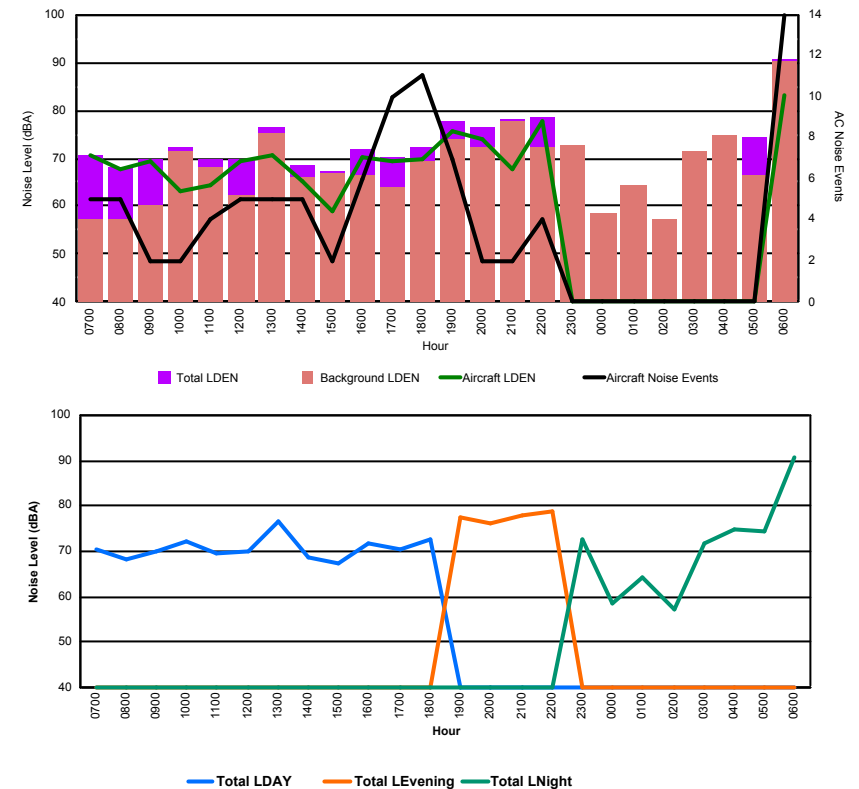


## Luxembourg Airport Noise Distribution by Hour

Between 22/10/2017 00:00:00 and 22/10/2017 23:59:59 (Local Time)

| Day            | Aircraft<br>Events | Total<br>LDEN dB<br>(A) | Aircraft<br>LDEN dB(A) | Background<br>LDEN dB(A) | Total LDay<br>dB(A) | Total<br>LEvening<br>dB(A) | Total<br>LNight dB<br>(A) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 22/10/17 7:00  | 5                  | 70.6                    | 70.5                   | 57.3                     | 70.6                | -                          | -                         |
| 22/10/17 8:00  | 5                  | 68.1                    | 67.8                   | 57.1                     | 68.1                | -                          | -                         |
| 22/10/17 9:00  | 2                  | 69.9                    | 69.4                   | 60.1                     | 69.9                | -                          | -                         |
| 22/10/17 10:00 | 2                  | 72.1                    | 63.1                   | 71.5                     | 72.1                | -                          | -                         |
| 22/10/17 11:00 | 4                  | 69.6                    | 64.5                   | 68.1                     | 69.6                | -                          | -                         |
| 22/10/17 12:00 | 5                  | 70.0                    | 69.3                   | 62.4                     | 70.0                | -                          | -                         |
| 22/10/17 13:00 | 5                  | 76.6                    | 70.8                   | 75.2                     | 76.6                | -                          | -                         |
| 22/10/17 14:00 | 5                  | 68.6                    | 65.3                   | 66.0                     | 68.6                | -                          | -                         |
| 22/10/17 15:00 | 2                  | 67.5                    | 59.0                   | 66.9                     | 67.5                | -                          | -                         |
| 22/10/17 16:00 | 6                  | 71.7                    | 70.3                   | 66.3                     | 71.7                | -                          | -                         |
| 22/10/17 17:00 | 10                 | 70.4                    | 69.3                   | 64.1                     | 70.4                | -                          | -                         |
| 22/10/17 18:00 | 11                 | 72.5                    | 69.9                   | 69.2                     | 72.5                | -                          | -                         |
| 22/10/17 19:00 | 7                  | 77.7                    | 75.5                   | 73.8                     | -                   | 77.7                       | -                         |
| 22/10/17 20:00 | 2                  | 76.3                    | 74.0                   | 72.3                     | -                   | 76.3                       | -                         |
| 22/10/17 21:00 | 2                  | 78.1                    | 67.9                   | 77.7                     | -                   | 78.1                       | -                         |
| 22/10/17 22:00 | 4                  | 78.7                    | 77.6                   | 72.3                     | -                   | 78.7                       | -                         |
| 22/10/17 23:00 | -                  | 72.8                    | -                      | 72.8                     | -                   | -                          | 72.8                      |
| 23/10/17 0:00  | -                  | 58.6                    | -                      | 58.6                     | -                   | -                          | 58.6                      |
| 23/10/17 1:00  | -                  | 64.3                    | -                      | 64.4                     | -                   | -                          | 64.3                      |
| 23/10/17 2:00  | -                  | 57.2                    | -                      | 57.2                     | -                   | -                          | 57.2                      |
| 23/10/17 3:00  | -                  | 71.6                    | -                      | 71.6                     | -                   | -                          | 71.6                      |
| 23/10/17 4:00  | -                  | 74.9                    | -                      | 75.0                     | -                   | -                          | 74.9                      |
| 23/10/17 5:00  | -                  | 74.5                    | -                      | 66.6                     | -                   | -                          | 74.5                      |
| 23/10/17 6:00  | 14                 | 90.7                    | 83.0                   | 90.1                     | -                   | -                          | 90.7                      |
|                | <b>91</b>          | <b>78.4</b>             | <b>72.3</b>            | <b>77.3</b>              | <b>71.4</b>         | <b>77.8</b>                | <b>82.0</b>               |

Location: Mid Runway NMT # 3





## Luxembourg Airport Noise Distribution by Hour

Between 22/10/2017 00:00:00 and 22/10/2017 23:59:59 (Local Time)

| Day            | Aircraft<br>Events | Total<br>LDEN dB<br>(A) | Aircraft<br>LDEN dB(A) | Background<br>LDEN dB(A) | Total LDay<br>dB(A) | Total<br>LEvening<br>dB(A) | Total<br>LNight dB<br>(A) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 22/10/17 7:00  | 5                  | 67.1                    | 66.6                   | 59.0                     | 67.1                | -                          | -                         |
| 22/10/17 8:00  | 7                  | 65.2                    | 64.2                   | 59.4                     | 65.2                | -                          | -                         |
| 22/10/17 9:00  | 1                  | 68.2                    | 67.7                   | 58.4                     | 68.2                | -                          | -                         |
| 22/10/17 10:00 | 4                  | 61.7                    | 58.7                   | 58.7                     | 61.7                | -                          | -                         |
| 22/10/17 11:00 | 3                  | 62.4                    | 59.9                   | 58.8                     | 62.4                | -                          | -                         |
| 22/10/17 12:00 | 5                  | 62.8                    | 60.3                   | 59.3                     | 62.8                | -                          | -                         |
| 22/10/17 13:00 | 5                  | 69.0                    | 68.6                   | 58.9                     | 69.0                | -                          | -                         |
| 22/10/17 14:00 | 6                  | 64.0                    | 62.1                   | 59.5                     | 64.0                | -                          | -                         |
| 22/10/17 15:00 | 3                  | 60.9                    | 57.1                   | 58.7                     | 60.9                | -                          | -                         |
| 22/10/17 16:00 | 6                  | 69.4                    | 68.9                   | 59.0                     | 69.4                | -                          | -                         |
| 22/10/17 17:00 | 8                  | 63.1                    | 61.1                   | 58.9                     | 63.1                | -                          | -                         |
| 22/10/17 18:00 | 12                 | 63.1                    | 61.0                   | 59.3                     | 63.1                | -                          | -                         |
| 22/10/17 19:00 | 5                  | 73.0                    | 72.5                   | 63.0                     | -                   | 73.0                       | -                         |
| 22/10/17 20:00 | 3                  | 73.9                    | 73.7                   | 61.9                     | -                   | 73.9                       | -                         |
| 22/10/17 21:00 | 5                  | 67.3                    | 65.7                   | 62.3                     | -                   | 67.3                       | -                         |
| 22/10/17 22:00 | 4                  | 75.2                    | 75.0                   | 62.0                     | -                   | 75.2                       | -                         |
| 22/10/17 23:00 | -                  | 64.9                    | -                      | 64.9                     | -                   | -                          | 64.9                      |
| 23/10/17 0:00  | -                  | 62.6                    | -                      | 63.2                     | -                   | -                          | 62.6                      |
| 23/10/17 1:00  | -                  | 61.7                    | -                      | 62.1                     | -                   | -                          | 61.7                      |
| 23/10/17 2:00  | -                  | 62.1                    | -                      | 62.5                     | -                   | -                          | 62.1                      |
| 23/10/17 3:00  | -                  | 63.1                    | -                      | 63.2                     | -                   | -                          | 63.1                      |
| 23/10/17 4:00  | -                  | 64.9                    | -                      | 65.0                     | -                   | -                          | 64.9                      |
| 23/10/17 5:00  | -                  | 68.0                    | -                      | 69.1                     | -                   | -                          | 68.0                      |
| 23/10/17 6:00  | 17                 | 82.4                    | 82.3                   | 76.3                     | -                   | -                          | 82.4                      |
|                | <b>99</b>          | <b>71.3</b>             | <b>70.7</b>            | <b>65.3</b>              | <b>65.7</b>         | <b>73.2</b>                | <b>73.8</b>               |

Location: NDB-Hamm NMT # 4

