

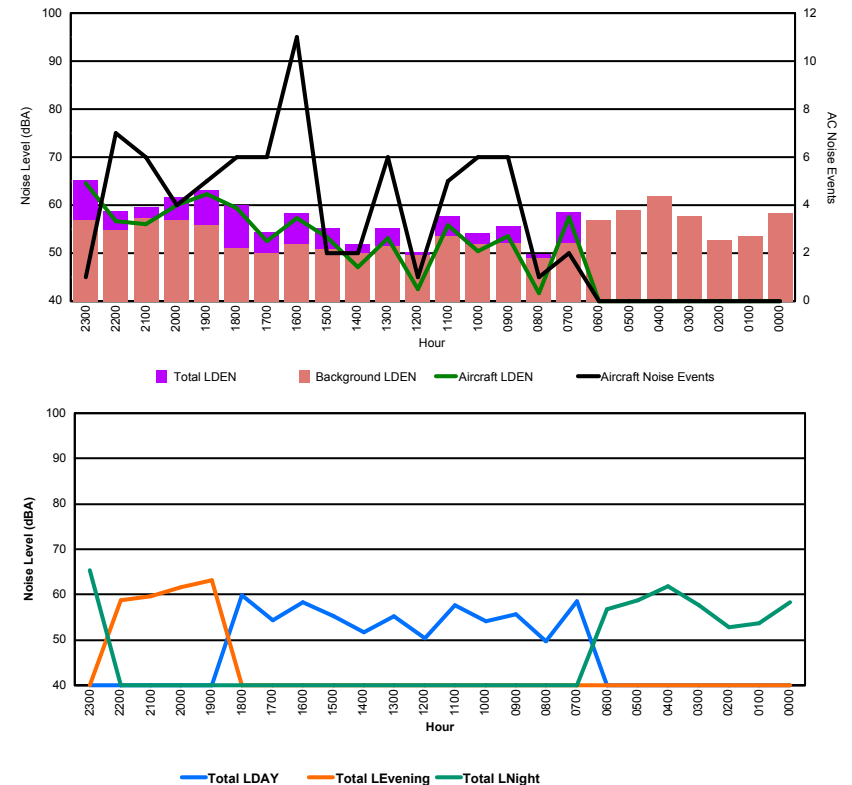


## Luxembourg Airport Noise Distribution by Hour

Between 11/02/2016 00:00:00 and 11/02/2016 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 11/02/16 0:00  | -                  | 58.3                    | -                      | 58.4                     | -                   | -                          | 58.3                      |
| 11/02/16 1:00  | -                  | 53.6                    | -                      | 53.6                     | -                   | -                          | 53.6                      |
| 11/02/16 2:00  | -                  | 52.8                    | -                      | 52.8                     | -                   | -                          | 52.8                      |
| 11/02/16 3:00  | -                  | 57.7                    | -                      | 57.7                     | -                   | -                          | 57.7                      |
| 11/02/16 4:00  | -                  | 61.8                    | -                      | 61.8                     | -                   | -                          | 61.8                      |
| 11/02/16 5:00  | -                  | 58.8                    | -                      | 58.9                     | -                   | -                          | 58.8                      |
| 11/02/16 6:00  | -                  | 56.8                    | -                      | 56.8                     | -                   | -                          | 56.8                      |
| 11/02/16 7:00  | 2                  | 58.5                    | 57.4                   | 52.0                     | 58.5                | -                          | -                         |
| 11/02/16 8:00  | 1                  | 49.7                    | 41.7                   | 49.0                     | 49.7                | -                          | -                         |
| 11/02/16 9:00  | 6                  | 55.7                    | 53.5                   | 52.0                     | 55.7                | -                          | -                         |
| 11/02/16 10:00 | 6                  | 54.2                    | 50.5                   | 51.9                     | 54.2                | -                          | -                         |
| 11/02/16 11:00 | 5                  | 57.7                    | 55.8                   | 53.5                     | 57.7                | -                          | -                         |
| 11/02/16 12:00 | 1                  | 50.3                    | 42.6                   | 49.6                     | 50.3                | -                          | -                         |
| 11/02/16 13:00 | 6                  | 55.3                    | 53.2                   | 51.5                     | 55.3                | -                          | -                         |
| 11/02/16 14:00 | 2                  | 51.8                    | 47.0                   | 50.1                     | 51.8                | -                          | -                         |
| 11/02/16 15:00 | 2                  | 55.3                    | 53.3                   | 50.9                     | 55.3                | -                          | -                         |
| 11/02/16 16:00 | 11                 | 58.3                    | 57.3                   | 51.8                     | 58.3                | -                          | -                         |
| 11/02/16 17:00 | 6                  | 54.4                    | 52.6                   | 50.0                     | 54.4                | -                          | -                         |
| 11/02/16 18:00 | 6                  | 59.9                    | 59.3                   | 51.1                     | 59.9                | -                          | -                         |
| 11/02/16 19:00 | 5                  | 63.1                    | 62.2                   | 55.9                     | -                   | 63.1                       | -                         |
| 11/02/16 20:00 | 4                  | 61.6                    | 59.9                   | 56.8                     | -                   | 61.6                       | -                         |
| 11/02/16 21:00 | 6                  | 59.6                    | 56.0                   | 57.3                     | -                   | 59.6                       | -                         |
| 11/02/16 22:00 | 7                  | 58.7                    | 56.7                   | 54.7                     | -                   | 58.7                       | -                         |
| 11/02/16 23:00 | 1                  | 65.3                    | 64.5                   | 56.9                     | -                   | -                          | 65.3                      |
|                | 77                 | 58.7                    | 57.5                   | 55.4                     | 56.1                | 61.1                       | 59.9                      |

Location: Roodt/Syr NMT # 1



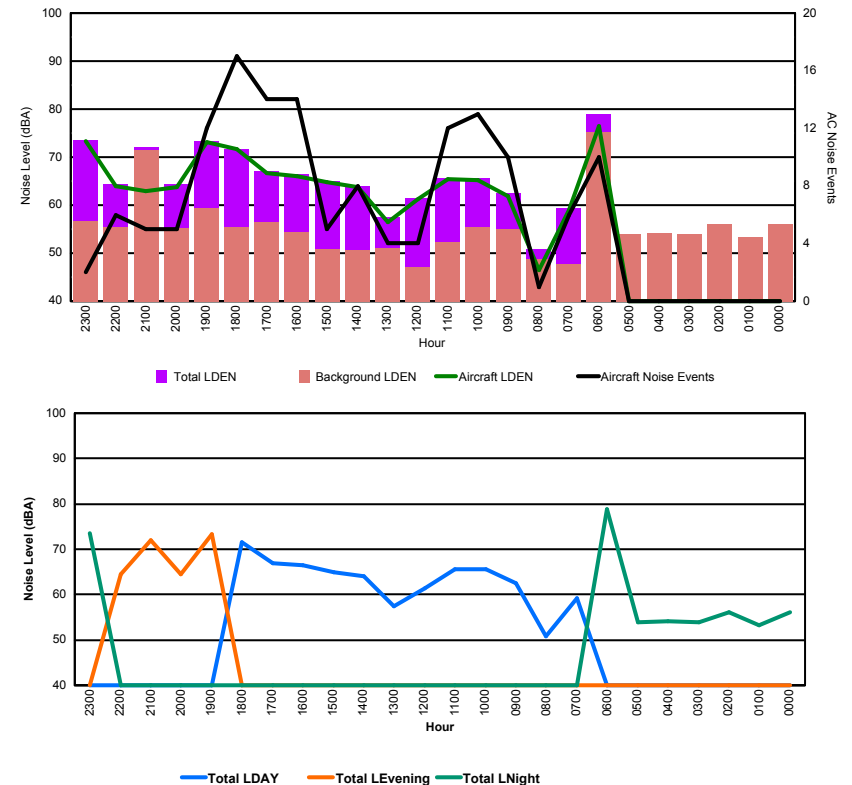


## Luxembourg Airport Noise Distribution by Hour

Between 11/02/2016 00:00:00 and 11/02/2016 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 11/02/16 0:00  | -                  | 56.1                    | -                      | 56.1                     | -                   | -                          | 56.1                      |
| 11/02/16 1:00  | -                  | 53.3                    | -                      | 53.3                     | -                   | -                          | 53.3                      |
| 11/02/16 2:00  | -                  | 56.1                    | -                      | 56.1                     | -                   | -                          | 56.1                      |
| 11/02/16 3:00  | -                  | 54.0                    | -                      | 54.0                     | -                   | -                          | 54.0                      |
| 11/02/16 4:00  | -                  | 54.2                    | -                      | 54.2                     | -                   | -                          | 54.2                      |
| 11/02/16 5:00  | -                  | 54.0                    | -                      | 54.0                     | -                   | -                          | 54.0                      |
| 11/02/16 6:00  | 10                 | 78.9                    | 76.5                   | 75.2                     | -                   | -                          | 78.9                      |
| 11/02/16 7:00  | 6                  | 59.3                    | 59.0                   | 47.8                     | 59.3                | -                          | -                         |
| 11/02/16 8:00  | 1                  | 50.8                    | 46.4                   | 48.8                     | 50.8                | -                          | -                         |
| 11/02/16 9:00  | 10                 | 62.6                    | 61.8                   | 55.0                     | 62.6                | -                          | -                         |
| 11/02/16 10:00 | 13                 | 65.7                    | 65.2                   | 55.5                     | 65.7                | -                          | -                         |
| 11/02/16 11:00 | 12                 | 65.7                    | 65.5                   | 52.2                     | 65.7                | -                          | -                         |
| 11/02/16 12:00 | 4                  | 61.4                    | 61.3                   | 47.1                     | 61.4                | -                          | -                         |
| 11/02/16 13:00 | 4                  | 57.5                    | 56.4                   | 51.1                     | 57.5                | -                          | -                         |
| 11/02/16 14:00 | 8                  | 64.0                    | 63.8                   | 50.6                     | 64.0                | -                          | -                         |
| 11/02/16 15:00 | 5                  | 64.9                    | 64.8                   | 50.9                     | 64.9                | -                          | -                         |
| 11/02/16 16:00 | 14                 | 66.4                    | 66.1                   | 54.3                     | 66.4                | -                          | -                         |
| 11/02/16 17:00 | 14                 | 67.0                    | 66.7                   | 56.4                     | 67.0                | -                          | -                         |
| 11/02/16 18:00 | 17                 | 71.6                    | 71.6                   | 55.4                     | 71.6                | -                          | -                         |
| 11/02/16 19:00 | 12                 | 73.4                    | 73.2                   | 59.3                     | -                   | 73.4                       | -                         |
| 11/02/16 20:00 | 5                  | 64.4                    | 63.8                   | 55.3                     | -                   | 64.4                       | -                         |
| 11/02/16 21:00 | 5                  | 72.1                    | 63.0                   | 71.5                     | -                   | 72.1                       | -                         |
| 11/02/16 22:00 | 6                  | 64.4                    | 63.9                   | 55.4                     | -                   | 64.4                       | -                         |
| 11/02/16 23:00 | 2                  | 73.5                    | 73.4                   | 56.7                     | -                   | -                          | 73.5                      |
|                | <b>148</b>         | <b>68.9</b>             | <b>68.7</b>            | <b>63.5</b>              | <b>65.4</b>         | <b>70.4</b>                | <b>71.0</b>               |

Location: Mid Runway NMT # 3

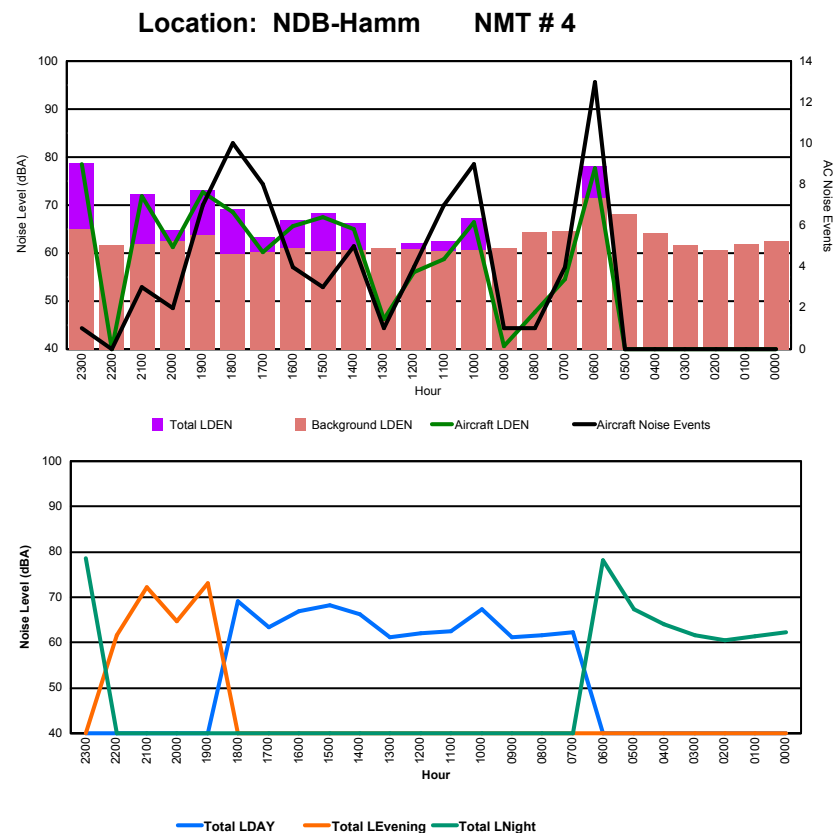




## Luxembourg Airport Noise Distribution by Hour

Between 11/02/2016 00:00:00 and 11/02/2016 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 11/02/16 0:00  | -                  | 62.2                    | -                      | 62.6                     | -                   | -                          | 62.2                      |
| 11/02/16 1:00  | -                  | 61.5                    | -                      | 61.8                     | -                   | -                          | 61.5                      |
| 11/02/16 2:00  | -                  | 60.5                    | -                      | 60.7                     | -                   | -                          | 60.5                      |
| 11/02/16 3:00  | -                  | 61.6                    | -                      | 61.6                     | -                   | -                          | 61.6                      |
| 11/02/16 4:00  | -                  | 64.0                    | -                      | 64.2                     | -                   | -                          | 64.0                      |
| 11/02/16 5:00  | -                  | 67.3                    | -                      | 68.2                     | -                   | -                          | 67.3                      |
| 11/02/16 6:00  | 13                 | 78.2                    | 77.7                   | 71.5                     | -                   | -                          | 78.2                      |
| 11/02/16 7:00  | 4                  | 62.2                    | 54.5                   | 64.6                     | 62.2                | -                          | -                         |
| 11/02/16 8:00  | 1                  | 61.6                    | 47.7                   | 64.4                     | 61.6                | -                          | -                         |
| 11/02/16 9:00  | 1                  | 61.1                    | 40.6                   | 61.1                     | 61.1                | -                          | -                         |
| 11/02/16 10:00 | 9                  | 67.3                    | 66.4                   | 60.7                     | 67.3                | -                          | -                         |
| 11/02/16 11:00 | 7                  | 62.5                    | 58.7                   | 60.4                     | 62.5                | -                          | -                         |
| 11/02/16 12:00 | 4                  | 62.0                    | 56.1                   | 60.9                     | 62.0                | -                          | -                         |
| 11/02/16 13:00 | 1                  | 61.1                    | 46.3                   | 61.0                     | 61.1                | -                          | -                         |
| 11/02/16 14:00 | 5                  | 66.3                    | 64.9                   | 60.7                     | 66.3                | -                          | -                         |
| 11/02/16 15:00 | 3                  | 68.3                    | 67.5                   | 60.5                     | 68.3                | -                          | -                         |
| 11/02/16 16:00 | 4                  | 66.9                    | 65.7                   | 61.0                     | 66.9                | -                          | -                         |
| 11/02/16 17:00 | 8                  | 63.3                    | 60.2                   | 60.3                     | 63.3                | -                          | -                         |
| 11/02/16 18:00 | 10                 | 69.1                    | 68.6                   | 59.7                     | 69.1                | -                          | -                         |
| 11/02/16 19:00 | 7                  | 73.2                    | 72.7                   | 63.8                     | -                   | 73.2                       | -                         |
| 11/02/16 20:00 | 2                  | 64.8                    | 61.2                   | 62.4                     | -                   | 64.8                       | -                         |
| 11/02/16 21:00 | 3                  | 72.3                    | 71.8                   | 61.9                     | -                   | 72.3                       | -                         |
| 11/02/16 22:00 | -                  | 61.7                    | -                      | 61.7                     | -                   | 61.7                       | -                         |
| 11/02/16 23:00 | 1                  | 78.7                    | 78.5                   | 65.0                     | -                   | -                          | 78.7                      |
|                | <b>83</b>          | <b>69.9</b>             | <b>70.5</b>            | <b>63.7</b>              | <b>65.3</b>         | <b>70.3</b>                | <b>72.8</b>               |





## Luxembourg Airport Noise Distribution by Hour

Between 11/02/2016 00:00:00 and 11/02/2016 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 11/02/16 0:00  | -                  | 64.3                    | -                      | 65.4                     | -                   | -                          | 64.3                      |
| 11/02/16 1:00  | -                  | 61.7                    | -                      | 62.0                     | -                   | -                          | 61.7                      |
| 11/02/16 2:00  | -                  | 60.7                    | -                      | 60.9                     | -                   | -                          | 60.7                      |
| 11/02/16 3:00  | -                  | 60.8                    | -                      | 60.8                     | -                   | -                          | 60.8                      |
| 11/02/16 4:00  | -                  | 64.8                    | -                      | 65.0                     | -                   | -                          | 64.8                      |
| 11/02/16 5:00  | -                  | 69.2                    | -                      | 70.7                     | -                   | -                          | 69.2                      |
| 11/02/16 6:00  | 10                 | 72.4                    | 69.4                   | 71.7                     | -                   | -                          | 72.4                      |
| 11/02/16 7:00  | 2                  | 63.8                    | 50.0                   | 66.5                     | 63.8                | -                          | -                         |
| 11/02/16 8:00  | 1                  | 63.4                    | 47.0                   | 65.9                     | 63.4                | -                          | -                         |
| 11/02/16 9:00  | 1                  | 65.1                    | 40.4                   | 66.2                     | 65.1                | -                          | -                         |
| 11/02/16 10:00 | 7                  | 65.6                    | 60.0                   | 65.5                     | 65.6                | -                          | -                         |
| 11/02/16 11:00 | 8                  | 65.0                    | 56.7                   | 65.1                     | 65.0                | -                          | -                         |
| 11/02/16 12:00 | 3                  | 63.8                    | 53.0                   | 64.4                     | 63.8                | -                          | -                         |
| 11/02/16 13:00 | -                  | 63.9                    | -                      | 64.7                     | 63.9                | -                          | -                         |
| 11/02/16 14:00 | 3                  | 64.6                    | 55.7                   | 65.1                     | 64.6                | -                          | -                         |
| 11/02/16 15:00 | 2                  | 64.1                    | 57.9                   | 63.2                     | 64.1                | -                          | -                         |
| 11/02/16 16:00 | 4                  | 65.1                    | 59.0                   | 64.5                     | 65.1                | -                          | -                         |
| 11/02/16 17:00 | 5                  | 64.5                    | 55.6                   | 64.7                     | 64.5                | -                          | -                         |
| 11/02/16 18:00 | 8                  | 63.9                    | 58.9                   | 62.8                     | 63.9                | -                          | -                         |
| 11/02/16 19:00 | 6                  | 68.6                    | 64.2                   | 66.9                     | -                   | 68.6                       | -                         |
| 11/02/16 20:00 | 2                  | 67.2                    | 55.5                   | 67.1                     | -                   | 67.2                       | -                         |
| 11/02/16 21:00 | 4                  | 67.7                    | 63.7                   | 65.7                     | -                   | 67.7                       | -                         |
| 11/02/16 22:00 | -                  | 63.8                    | -                      | 63.9                     | -                   | 63.8                       | -                         |
| 11/02/16 23:00 | 1                  | 70.8                    | 68.2                   | 67.4                     | -                   | -                          | 70.8                      |
|                | <b>67</b>          | <b>66.3</b>             | <b>62.0</b>            | <b>66.1</b>              | <b>64.4</b>         | <b>67.2</b>                | <b>67.7</b>               |

Location: Gare centrale NMT # 5

