

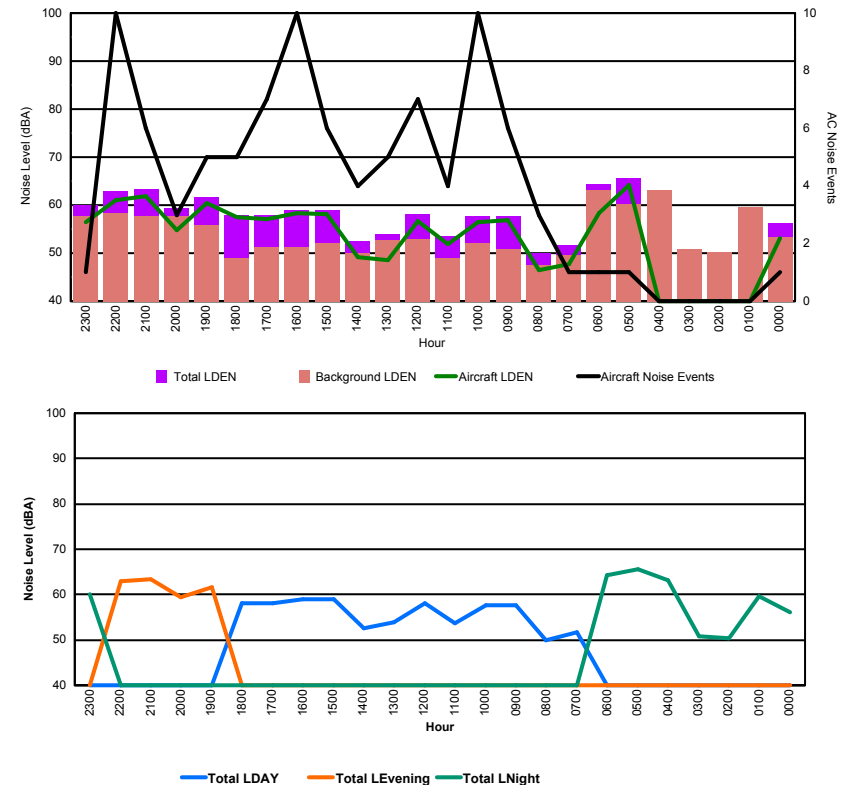


## Luxembourg Airport Noise Distribution by Hour

Between 14/04/2016 00:00:00 and 14/04/2016 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 14/04/16 0:00  | 1                  | 56.2                    | 53.2                   | 53.3                     | -                   | -                          | 56.2                      |
| 14/04/16 1:00  | -                  | 59.6                    | -                      | 59.6                     | -                   | -                          | 59.6                      |
| 14/04/16 2:00  | -                  | 50.3                    | -                      | 50.3                     | -                   | -                          | 50.3                      |
| 14/04/16 3:00  | -                  | 50.8                    | -                      | 50.8                     | -                   | -                          | 50.8                      |
| 14/04/16 4:00  | -                  | 63.1                    | -                      | 63.2                     | -                   | -                          | 63.1                      |
| 14/04/16 5:00  | 1                  | 65.6                    | 64.1                   | 60.2                     | -                   | -                          | 65.6                      |
| 14/04/16 6:00  | 1                  | 64.3                    | 58.4                   | 63.1                     | -                   | -                          | 64.3                      |
| 14/04/16 7:00  | 1                  | 51.7                    | 47.7                   | 49.6                     | 51.7                | -                          | -                         |
| 14/04/16 8:00  | 3                  | 50.0                    | 46.4                   | 47.6                     | 50.0                | -                          | -                         |
| 14/04/16 9:00  | 6                  | 57.7                    | 56.8                   | 50.8                     | 57.7                | -                          | -                         |
| 14/04/16 10:00 | 10                 | 57.7                    | 56.4                   | 52.0                     | 57.7                | -                          | -                         |
| 14/04/16 11:00 | 4                  | 53.6                    | 51.9                   | 49.0                     | 53.6                | -                          | -                         |
| 14/04/16 12:00 | 7                  | 58.1                    | 56.6                   | 52.9                     | 58.1                | -                          | -                         |
| 14/04/16 13:00 | 5                  | 54.0                    | 48.5                   | 52.7                     | 54.0                | -                          | -                         |
| 14/04/16 14:00 | 4                  | 52.6                    | 49.2                   | 50.1                     | 52.6                | -                          | -                         |
| 14/04/16 15:00 | 6                  | 59.0                    | 58.1                   | 52.1                     | 59.0                | -                          | -                         |
| 14/04/16 16:00 | 10                 | 59.0                    | 58.3                   | 51.2                     | 59.0                | -                          | -                         |
| 14/04/16 17:00 | 7                  | 58.0                    | 57.0                   | 51.3                     | 58.0                | -                          | -                         |
| 14/04/16 18:00 | 5                  | 58.0                    | 57.4                   | 49.0                     | 58.0                | -                          | -                         |
| 14/04/16 19:00 | 5                  | 61.7                    | 60.4                   | 55.9                     | -                   | 61.7                       | -                         |
| 14/04/16 20:00 | 3                  | 59.4                    | 54.8                   | 57.7                     | -                   | 59.4                       | -                         |
| 14/04/16 21:00 | 6                  | 63.3                    | 61.9                   | 57.8                     | -                   | 63.3                       | -                         |
| 14/04/16 22:00 | 10                 | 62.9                    | 61.0                   | 58.4                     | -                   | 62.9                       | -                         |
| 14/04/16 23:00 | 1                  | 60.1                    | 56.4                   | 57.7                     | -                   | -                          | 60.1                      |
|                | <b>96</b>          | <b>59.8</b>             | <b>57.9</b>            | <b>56.6</b>              | <b>56.7</b>         | <b>62.1</b>                | <b>61.4</b>               |

Location: Roodt/Syr NMT # 1



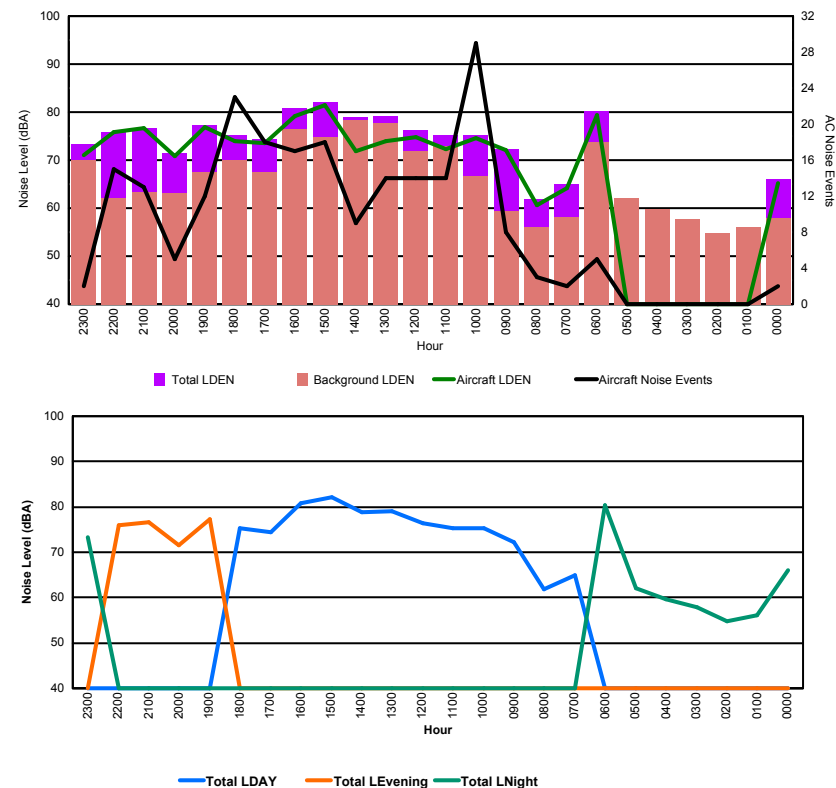


## Luxembourg Airport Noise Distribution by Hour

Between 14/04/2016 00:00:00 and 14/04/2016 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 14/04/16 0:00  | 2                  | 66.0                    | 65.3                   | 58.0                     | -                   | -                          | 66.0                      |
| 14/04/16 1:00  | -                  | 56.1                    | -                      | 56.1                     | -                   | -                          | 56.1                      |
| 14/04/16 2:00  | -                  | 54.8                    | -                      | 54.8                     | -                   | -                          | 54.8                      |
| 14/04/16 3:00  | -                  | 57.8                    | -                      | 57.8                     | -                   | -                          | 57.8                      |
| 14/04/16 4:00  | -                  | 59.7                    | -                      | 59.7                     | -                   | -                          | 59.7                      |
| 14/04/16 5:00  | -                  | 62.0                    | -                      | 62.0                     | -                   | -                          | 62.0                      |
| 14/04/16 6:00  | 5                  | 80.3                    | 79.3                   | 73.8                     | -                   | -                          | 80.3                      |
| 14/04/16 7:00  | 2                  | 64.9                    | 64.1                   | 58.1                     | 64.9                | -                          | -                         |
| 14/04/16 8:00  | 3                  | 61.9                    | 60.6                   | 56.0                     | 61.9                | -                          | -                         |
| 14/04/16 9:00  | 8                  | 72.3                    | 72.0                   | 59.4                     | 72.3                | -                          | -                         |
| 14/04/16 10:00 | 29                 | 75.2                    | 74.6                   | 66.7                     | 75.2                | -                          | -                         |
| 14/04/16 11:00 | 14                 | 75.2                    | 72.2                   | 73.0                     | 75.2                | -                          | -                         |
| 14/04/16 12:00 | 14                 | 76.3                    | 74.7                   | 71.9                     | 76.3                | -                          | -                         |
| 14/04/16 13:00 | 14                 | 79.1                    | 73.9                   | 77.7                     | 79.1                | -                          | -                         |
| 14/04/16 14:00 | 9                  | 78.9                    | 71.8                   | 78.4                     | 78.9                | -                          | -                         |
| 14/04/16 15:00 | 18                 | 82.1                    | 81.5                   | 74.7                     | 82.1                | -                          | -                         |
| 14/04/16 16:00 | 17                 | 80.8                    | 79.1                   | 76.5                     | 80.8                | -                          | -                         |
| 14/04/16 17:00 | 18                 | 74.4                    | 73.6                   | 67.5                     | 74.4                | -                          | -                         |
| 14/04/16 18:00 | 23                 | 75.3                    | 74.0                   | 70.1                     | 75.3                | -                          | -                         |
| 14/04/16 19:00 | 12                 | 77.2                    | 76.8                   | 67.6                     | -                   | 77.2                       | -                         |
| 14/04/16 20:00 | 5                  | 71.5                    | 70.9                   | 63.1                     | -                   | 71.5                       | -                         |
| 14/04/16 21:00 | 13                 | 76.7                    | 76.6                   | 63.3                     | -                   | 76.7                       | -                         |
| 14/04/16 22:00 | 15                 | 75.9                    | 75.8                   | 62.0                     | -                   | 75.9                       | -                         |
| 14/04/16 23:00 | 2                  | 73.4                    | 71.0                   | 70.0                     | -                   | -                          | 73.4                      |
|                | <b>223</b>         | <b>75.8</b>             | <b>75.3</b>            | <b>71.1</b>              | <b>77.2</b>         | <b>75.8</b>                | <b>72.3</b>               |

Location: DVOR NMT # 2

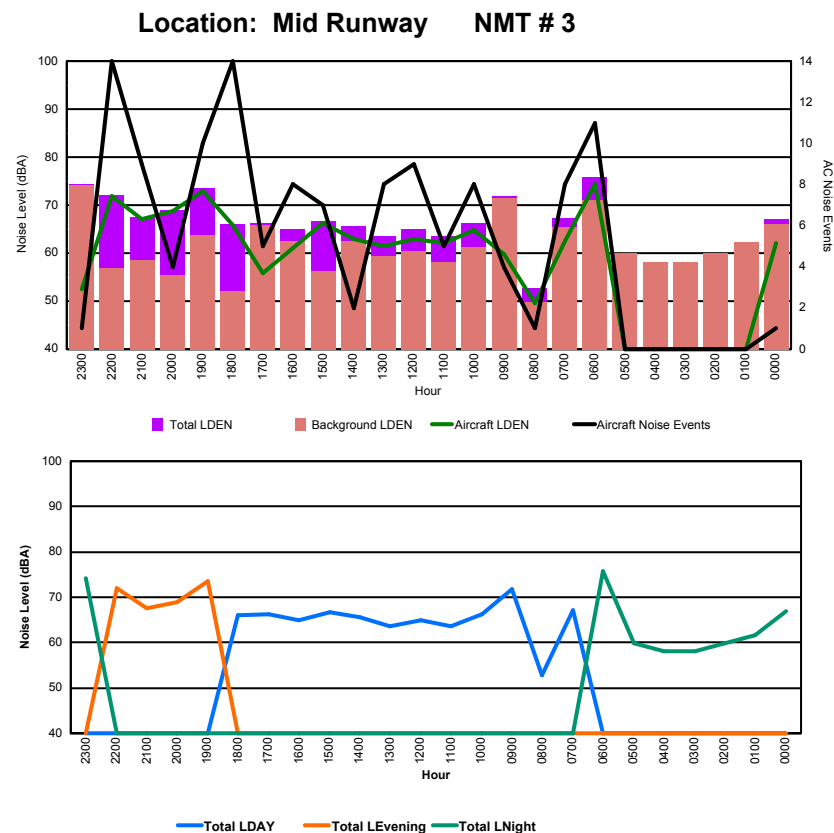




## Luxembourg Airport Noise Distribution by Hour

Between 14/04/2016 00:00:00 and 14/04/2016 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 14/04/16 0:00  | 1                  | 67.0                    | 62.1                   | 66.0                     | -                   | -                          | 67.0                      |
| 14/04/16 1:00  | -                  | 61.7                    | -                      | 62.2                     | -                   | -                          | 61.7                      |
| 14/04/16 2:00  | -                  | 59.8                    | -                      | 59.9                     | -                   | -                          | 59.8                      |
| 14/04/16 3:00  | -                  | 58.1                    | -                      | 58.1                     | -                   | -                          | 58.1                      |
| 14/04/16 4:00  | -                  | 58.1                    | -                      | 58.1                     | -                   | -                          | 58.1                      |
| 14/04/16 5:00  | -                  | 59.9                    | -                      | 60.0                     | -                   | -                          | 59.9                      |
| 14/04/16 6:00  | 11                 | 75.8                    | 74.3                   | 71.1                     | -                   | -                          | 75.8                      |
| 14/04/16 7:00  | 8                  | 67.2                    | 62.4                   | 65.5                     | 67.2                | -                          | -                         |
| 14/04/16 8:00  | 1                  | 52.7                    | 49.5                   | 49.8                     | 52.7                | -                          | -                         |
| 14/04/16 9:00  | 4                  | 71.8                    | 59.8                   | 71.5                     | 71.8                | -                          | -                         |
| 14/04/16 10:00 | 8                  | 66.3                    | 64.7                   | 61.3                     | 66.3                | -                          | -                         |
| 14/04/16 11:00 | 5                  | 63.5                    | 62.0                   | 58.1                     | 63.5                | -                          | -                         |
| 14/04/16 12:00 | 9                  | 64.9                    | 62.9                   | 60.5                     | 64.9                | -                          | -                         |
| 14/04/16 13:00 | 8                  | 63.5                    | 61.4                   | 59.4                     | 63.5                | -                          | -                         |
| 14/04/16 14:00 | 2                  | 65.7                    | 63.0                   | 62.5                     | 65.7                | -                          | -                         |
| 14/04/16 15:00 | 7                  | 66.7                    | 66.2                   | 56.2                     | 66.7                | -                          | -                         |
| 14/04/16 16:00 | 8                  | 64.9                    | 61.1                   | 62.5                     | 64.9                | -                          | -                         |
| 14/04/16 17:00 | 5                  | 66.2                    | 55.9                   | 65.8                     | 66.2                | -                          | -                         |
| 14/04/16 18:00 | 14                 | 66.0                    | 65.9                   | 52.1                     | 66.0                | -                          | -                         |
| 14/04/16 19:00 | 10                 | 73.5                    | 73.0                   | 63.7                     | -                   | 73.5                       | -                         |
| 14/04/16 20:00 | 4                  | 69.0                    | 68.8                   | 55.5                     | -                   | 69.0                       | -                         |
| 14/04/16 21:00 | 9                  | 67.5                    | 67.0                   | 58.5                     | -                   | 67.5                       | -                         |
| 14/04/16 22:00 | 14                 | 72.0                    | 71.8                   | 56.9                     | -                   | 72.0                       | -                         |
| 14/04/16 23:00 | 1                  | 74.3                    | 52.4                   | 74.2                     | -                   | -                          | 74.3                      |
|                | <b>129</b>         | <b>68.7</b>             | <b>67.2</b>            | <b>65.3</b>              | <b>66.4</b>         | <b>71.1</b>                | <b>69.7</b>               |



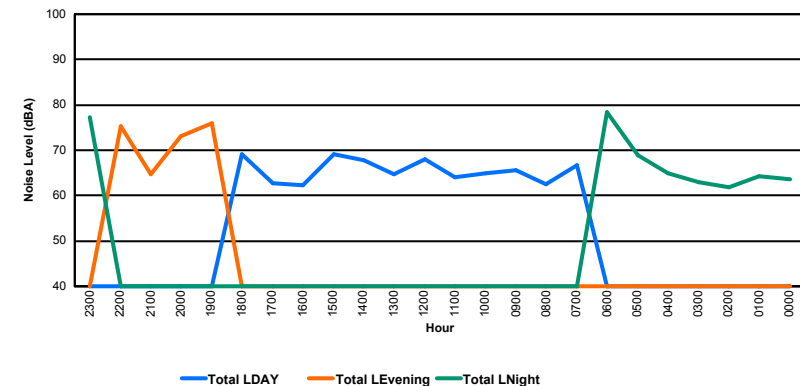
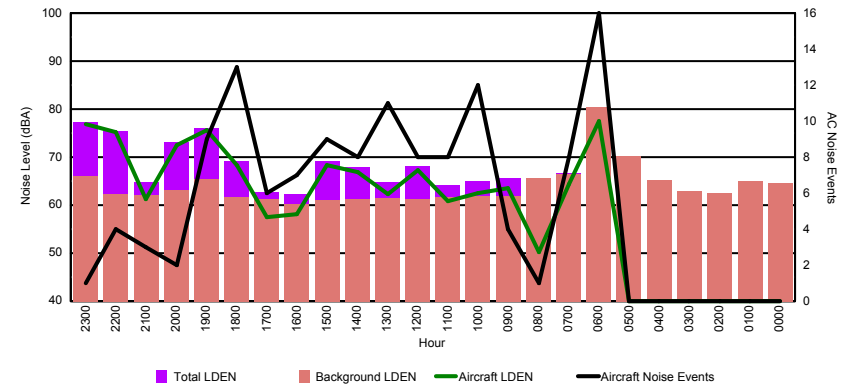


## Luxembourg Airport Noise Distribution by Hour

Between 14/04/2016 00:00:00 and 14/04/2016 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 14/04/16 0:00  | -                  | 63.7                    | -                      | 64.5                     | -                   | -                          | 63.7                      |
| 14/04/16 1:00  | -                  | 64.3                    | -                      | 65.0                     | -                   | -                          | 64.3                      |
| 14/04/16 2:00  | -                  | 61.9                    | -                      | 62.4                     | -                   | -                          | 61.9                      |
| 14/04/16 3:00  | -                  | 62.9                    | -                      | 63.0                     | -                   | -                          | 62.9                      |
| 14/04/16 4:00  | -                  | 65.0                    | -                      | 65.3                     | -                   | -                          | 65.0                      |
| 14/04/16 5:00  | -                  | 68.8                    | -                      | 70.2                     | -                   | -                          | 68.8                      |
| 14/04/16 6:00  | 16                 | 78.3                    | 77.5                   | 80.4                     | -                   | -                          | 78.3                      |
| 14/04/16 7:00  | 8                  | 66.7                    | 64.4                   | 66.4                     | 66.7                | -                          | -                         |
| 14/04/16 8:00  | 1                  | 62.6                    | 50.2                   | 65.6                     | 62.6                | -                          | -                         |
| 14/04/16 9:00  | 4                  | 65.7                    | 63.5                   | 61.9                     | 65.7                | -                          | -                         |
| 14/04/16 10:00 | 12                 | 64.9                    | 62.4                   | 61.8                     | 64.9                | -                          | -                         |
| 14/04/16 11:00 | 8                  | 64.1                    | 60.8                   | 61.7                     | 64.1                | -                          | -                         |
| 14/04/16 12:00 | 8                  | 68.1                    | 67.2                   | 61.2                     | 68.1                | -                          | -                         |
| 14/04/16 13:00 | 11                 | 64.8                    | 62.3                   | 61.5                     | 64.8                | -                          | -                         |
| 14/04/16 14:00 | 8                  | 67.9                    | 66.9                   | 61.3                     | 67.9                | -                          | -                         |
| 14/04/16 15:00 | 9                  | 69.2                    | 68.4                   | 61.1                     | 69.2                | -                          | -                         |
| 14/04/16 16:00 | 7                  | 62.2                    | 58.2                   | 60.3                     | 62.2                | -                          | -                         |
| 14/04/16 17:00 | 6                  | 62.7                    | 57.5                   | 61.3                     | 62.7                | -                          | -                         |
| 14/04/16 18:00 | 13                 | 69.1                    | 68.3                   | 61.6                     | 69.1                | -                          | -                         |
| 14/04/16 19:00 | 9                  | 76.0                    | 75.6                   | 65.4                     | -                   | 76.0                       | -                         |
| 14/04/16 20:00 | 2                  | 73.1                    | 72.6                   | 63.2                     | -                   | 73.1                       | -                         |
| 14/04/16 21:00 | 3                  | 64.7                    | 61.3                   | 62.1                     | -                   | 64.7                       | -                         |
| 14/04/16 22:00 | 4                  | 75.4                    | 75.2                   | 62.3                     | -                   | 75.4                       | -                         |
| 14/04/16 23:00 | 1                  | 77.2                    | 76.8                   | 66.0                     | -                   | -                          | 77.2                      |
|                | <b>130</b>         | <b>70.8</b>             | <b>71.0</b>            | <b>68.4</b>              | <b>66.3</b>         | <b>73.9</b>                | <b>72.4</b>               |

Location: NDB-Hamm NMT # 4





## Luxembourg Airport Noise Distribution by Hour

Between 14/04/2016 00:00:00 and 14/04/2016 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 14/04/16 0:00  | -                  | 64.9                    | -                      | 66.1                     | -                   | -                          | 64.9                      |
| 14/04/16 1:00  | -                  | 63.3                    | -                      | 64.0                     | -                   | -                          | 63.3                      |
| 14/04/16 2:00  | -                  | 63.6                    | -                      | 64.5                     | -                   | -                          | 63.6                      |
| 14/04/16 3:00  | -                  | 62.4                    | -                      | 62.4                     | -                   | -                          | 62.4                      |
| 14/04/16 4:00  | -                  | 66.5                    | -                      | 66.9                     | -                   | -                          | 66.5                      |
| 14/04/16 5:00  | -                  | 69.5                    | -                      | 71.1                     | -                   | -                          | 69.5                      |
| 14/04/16 6:00  | 9                  | 75.5                    | 72.2                   | 75.9                     | -                   | -                          | 75.5                      |
| 14/04/16 7:00  | 5                  | 66.1                    | 59.1                   | 67.2                     | 66.1                | -                          | -                         |
| 14/04/16 8:00  | -                  | 62.4                    | -                      | 65.4                     | 62.4                | -                          | -                         |
| 14/04/16 9:00  | 1                  | 64.6                    | 55.3                   | 64.4                     | 64.6                | -                          | -                         |
| 14/04/16 10:00 | 9                  | 63.1                    | 57.4                   | 62.2                     | 63.1                | -                          | -                         |
| 14/04/16 11:00 | 7                  | 62.3                    | 55.3                   | 61.6                     | 62.3                | -                          | -                         |
| 14/04/16 12:00 | 5                  | 64.0                    | 60.5                   | 61.6                     | 64.0                | -                          | -                         |
| 14/04/16 13:00 | 8                  | 64.5                    | 56.7                   | 63.8                     | 64.5                | -                          | -                         |
| 14/04/16 14:00 | 4                  | 64.1                    | 58.8                   | 62.8                     | 64.1                | -                          | -                         |
| 14/04/16 15:00 | 4                  | 63.2                    | 59.2                   | 61.2                     | 63.2                | -                          | -                         |
| 14/04/16 16:00 | 2                  | 63.2                    | 58.8                   | 61.5                     | 63.2                | -                          | -                         |
| 14/04/16 17:00 | 4                  | 62.3                    | 53.1                   | 62.0                     | 62.3                | -                          | -                         |
| 14/04/16 18:00 | 9                  | 63.9                    | 60.9                   | 61.3                     | 63.9                | -                          | -                         |
| 14/04/16 19:00 | 8                  | 68.6                    | 65.8                   | 65.7                     | -                   | 68.6                       | -                         |
| 14/04/16 20:00 | 1                  | 69.5                    | 62.1                   | 68.7                     | -                   | 69.5                       | -                         |
| 14/04/16 21:00 | 3                  | 67.2                    | 56.3                   | 67.0                     | -                   | 67.2                       | -                         |
| 14/04/16 22:00 | 4                  | 67.9                    | 65.9                   | 63.9                     | -                   | 67.9                       | -                         |
| 14/04/16 23:00 | 1                  | 70.9                    | 68.1                   | 67.8                     | -                   | -                          | 70.9                      |
|                | <b>84</b>          | <b>67.2</b>             | <b>63.7</b>            | <b>66.9</b>              | <b>63.8</b>         | <b>68.4</b>                | <b>69.4</b>               |

Location: Gare centrale NMT # 5

