

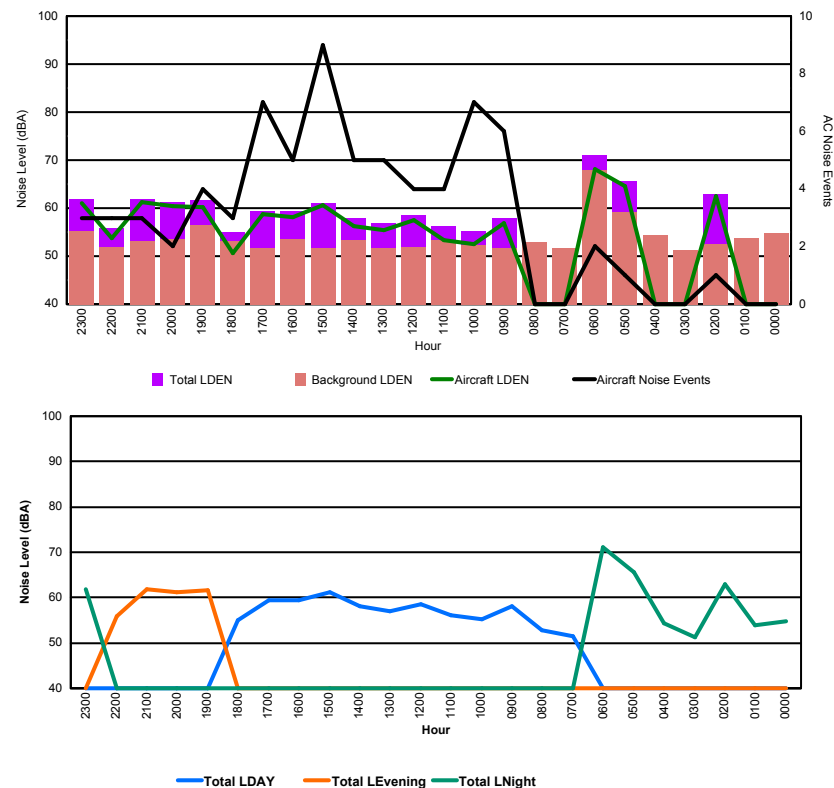


## Luxembourg Airport Noise Distribution by Hour

Between 15/04/2017 00:00:00 and 15/04/2017 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 15/04/17 0:00  | -                  | 54.7                    | -                      | 54.8                     | -                   | -                          | 54.7                      |
| 15/04/17 1:00  | -                  | 53.8                    | -                      | 53.8                     | -                   | -                          | 53.8                      |
| 15/04/17 2:00  | 1                  | 63.0                    | 62.5                   | 52.5                     | -                   | -                          | 63.0                      |
| 15/04/17 3:00  | -                  | 51.3                    | -                      | 51.3                     | -                   | -                          | 51.3                      |
| 15/04/17 4:00  | -                  | 54.3                    | -                      | 54.3                     | -                   | -                          | 54.3                      |
| 15/04/17 5:00  | 1                  | 65.6                    | 64.5                   | 59.1                     | -                   | -                          | 65.6                      |
| 15/04/17 6:00  | 2                  | 71.0                    | 68.2                   | 68.0                     | -                   | -                          | 71.0                      |
| 15/04/17 7:00  | -                  | 51.5                    | -                      | 51.6                     | 51.5                | -                          | -                         |
| 15/04/17 8:00  | -                  | 52.8                    | -                      | 52.9                     | 52.8                | -                          | -                         |
| 15/04/17 9:00  | 6                  | 58.0                    | 56.9                   | 51.7                     | 58.0                | -                          | -                         |
| 15/04/17 10:00 | 7                  | 55.2                    | 52.5                   | 52.2                     | 55.2                | -                          | -                         |
| 15/04/17 11:00 | 4                  | 56.2                    | 53.3                   | 53.3                     | 56.2                | -                          | -                         |
| 15/04/17 12:00 | 4                  | 58.5                    | 57.4                   | 51.9                     | 58.5                | -                          | -                         |
| 15/04/17 13:00 | 5                  | 56.9                    | 55.5                   | 51.6                     | 56.9                | -                          | -                         |
| 15/04/17 14:00 | 5                  | 58.0                    | 56.3                   | 53.3                     | 58.0                | -                          | -                         |
| 15/04/17 15:00 | 9                  | 61.1                    | 60.6                   | 51.6                     | 61.1                | -                          | -                         |
| 15/04/17 16:00 | 5                  | 59.4                    | 58.1                   | 53.5                     | 59.4                | -                          | -                         |
| 15/04/17 17:00 | 7                  | 59.4                    | 58.7                   | 51.6                     | 59.4                | -                          | -                         |
| 15/04/17 18:00 | 3                  | 54.9                    | 50.6                   | 53.1                     | 54.9                | -                          | -                         |
| 15/04/17 19:00 | 4                  | 61.7                    | 60.3                   | 56.4                     | -                   | 61.7                       | -                         |
| 15/04/17 20:00 | 2                  | 61.2                    | 60.4                   | 53.5                     | -                   | 61.2                       | -                         |
| 15/04/17 21:00 | 3                  | 61.8                    | 61.2                   | 53.2                     | -                   | 61.8                       | -                         |
| 15/04/17 22:00 | 3                  | 55.9                    | 53.8                   | 51.8                     | -                   | 55.9                       | -                         |
| 15/04/17 23:00 | 3                  | 61.9                    | 61.0                   | 55.2                     | -                   | -                          | 61.9                      |
|                | <b>74</b>          | <b>61.3</b>             | <b>60.7</b>            | <b>56.9</b>              | <b>57.6</b>         | <b>60.7</b>                | <b>64.1</b>               |

Location: Roodt/Syr NMT # 1



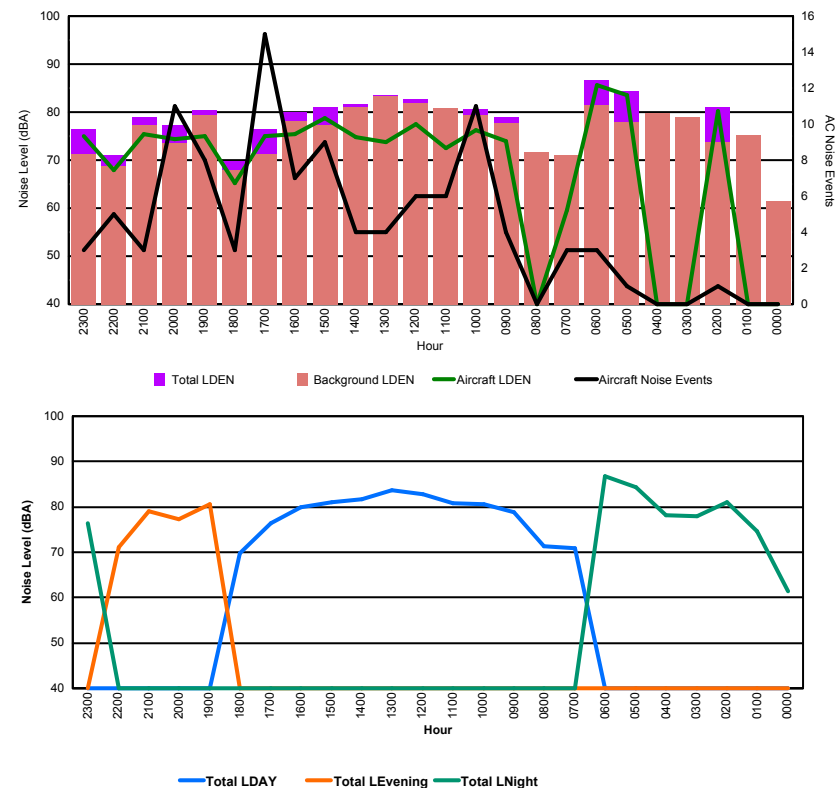


## Luxembourg Airport Noise Distribution by Hour

Between 15/04/2017 00:00:00 and 15/04/2017 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 15/04/17 0:00  | -                  | 61.3                    | -                      | 61.5                     | -                   | -                          | 61.3                      |
| 15/04/17 1:00  | -                  | 74.7                    | -                      | 75.3                     | -                   | -                          | 74.7                      |
| 15/04/17 2:00  | 1                  | 81.1                    | 80.2                   | 73.7                     | -                   | -                          | 81.1                      |
| 15/04/17 3:00  | -                  | 77.9                    | -                      | 79.0                     | -                   | -                          | 77.9                      |
| 15/04/17 4:00  | -                  | 78.2                    | -                      | 79.8                     | -                   | -                          | 78.2                      |
| 15/04/17 5:00  | 1                  | 84.4                    | 83.5                   | 78.0                     | -                   | -                          | 84.4                      |
| 15/04/17 6:00  | 3                  | 86.7                    | 85.7                   | 81.4                     | -                   | -                          | 86.7                      |
| 15/04/17 7:00  | 3                  | 70.9                    | 59.6                   | 71.0                     | 70.9                | -                          | -                         |
| 15/04/17 8:00  | -                  | 71.3                    | -                      | 71.6                     | 71.3                | -                          | -                         |
| 15/04/17 9:00  | 4                  | 78.9                    | 74.0                   | 77.7                     | 78.9                | -                          | -                         |
| 15/04/17 10:00 | 11                 | 80.7                    | 76.3                   | 79.4                     | 80.7                | -                          | -                         |
| 15/04/17 11:00 | 6                  | 80.9                    | 72.4                   | 80.9                     | 80.9                | -                          | -                         |
| 15/04/17 12:00 | 6                  | 82.7                    | 77.6                   | 81.8                     | 82.7                | -                          | -                         |
| 15/04/17 13:00 | 4                  | 83.6                    | 73.8                   | 83.4                     | 83.6                | -                          | -                         |
| 15/04/17 14:00 | 4                  | 81.7                    | 74.7                   | 81.1                     | 81.7                | -                          | -                         |
| 15/04/17 15:00 | 9                  | 81.0                    | 78.8                   | 77.2                     | 81.0                | -                          | -                         |
| 15/04/17 16:00 | 7                  | 79.9                    | 75.5                   | 78.1                     | 79.9                | -                          | -                         |
| 15/04/17 17:00 | 15                 | 76.4                    | 74.9                   | 71.3                     | 76.4                | -                          | -                         |
| 15/04/17 18:00 | 3                  | 69.7                    | 65.2                   | 67.9                     | 69.7                | -                          | -                         |
| 15/04/17 19:00 | 8                  | 80.5                    | 74.9                   | 79.4                     | -                   | 80.5                       | -                         |
| 15/04/17 20:00 | 11                 | 77.3                    | 74.3                   | 73.6                     | -                   | 77.3                       | -                         |
| 15/04/17 21:00 | 3                  | 79.0                    | 75.4                   | 77.2                     | -                   | 79.0                       | -                         |
| 15/04/17 22:00 | 5                  | 71.1                    | 67.9                   | 68.7                     | -                   | 71.1                       | -                         |
| 15/04/17 23:00 | 3                  | 76.4                    | 75.0                   | 71.3                     | -                   | -                          | 76.4                      |
|                | <b>107</b>         | <b>80.2</b>             | <b>77.9</b>            | <b>78.1</b>              | <b>79.9</b>         | <b>78.1</b>                | <b>81.3</b>               |

Location: DVOR NMT # 2



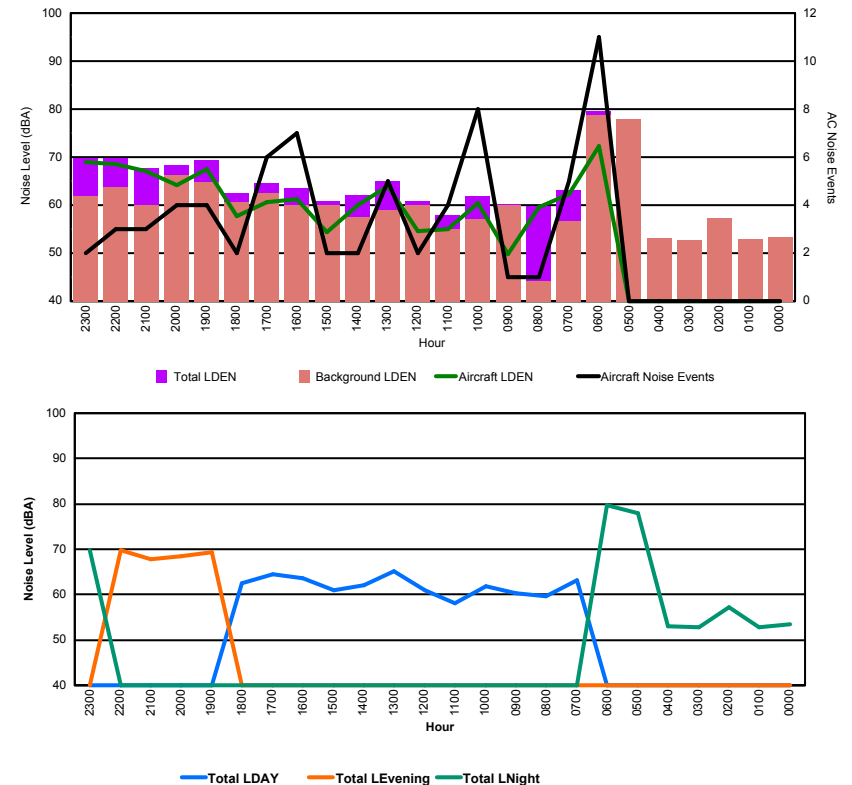


## Luxembourg Airport Noise Distribution by Hour

Between 15/04/2017 00:00:00 and 15/04/2017 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 15/04/17 0:00  | -                  | 53.4                    | -                      | 53.4                     | -                   | -                          | 53.4                      |
| 15/04/17 1:00  | -                  | 52.9                    | -                      | 52.9                     | -                   | -                          | 52.9                      |
| 15/04/17 2:00  | -                  | 57.3                    | -                      | 57.3                     | -                   | -                          | 57.3                      |
| 15/04/17 3:00  | -                  | 52.8                    | -                      | 52.8                     | -                   | -                          | 52.8                      |
| 15/04/17 4:00  | -                  | 53.1                    | -                      | 53.1                     | -                   | -                          | 53.1                      |
| 15/04/17 5:00  | -                  | 77.9                    | -                      | 77.9                     | -                   | -                          | 77.9                      |
| 15/04/17 6:00  | 11                 | 79.6                    | 72.3                   | 78.8                     | -                   | -                          | 79.6                      |
| 15/04/17 7:00  | 5                  | 63.2                    | 62.2                   | 56.6                     | 63.2                | -                          | -                         |
| 15/04/17 8:00  | 1                  | 59.7                    | 59.5                   | 44.1                     | 59.7                | -                          | -                         |
| 15/04/17 9:00  | 1                  | 60.3                    | 49.8                   | 59.9                     | 60.3                | -                          | -                         |
| 15/04/17 10:00 | 8                  | 61.9                    | 60.4                   | 57.0                     | 61.9                | -                          | -                         |
| 15/04/17 11:00 | 4                  | 58.0                    | 55.0                   | 55.1                     | 58.0                | -                          | -                         |
| 15/04/17 12:00 | 2                  | 60.9                    | 54.5                   | 59.9                     | 60.9                | -                          | -                         |
| 15/04/17 13:00 | 5                  | 65.1                    | 64.0                   | 58.9                     | 65.1                | -                          | -                         |
| 15/04/17 14:00 | 2                  | 62.0                    | 60.1                   | 57.4                     | 62.0                | -                          | -                         |
| 15/04/17 15:00 | 2                  | 60.9                    | 54.4                   | 59.9                     | 60.9                | -                          | -                         |
| 15/04/17 16:00 | 7                  | 63.5                    | 61.2                   | 59.9                     | 63.5                | -                          | -                         |
| 15/04/17 17:00 | 6                  | 64.6                    | 60.6                   | 62.4                     | 64.6                | -                          | -                         |
| 15/04/17 18:00 | 2                  | 62.5                    | 57.8                   | 60.7                     | 62.5                | -                          | -                         |
| 15/04/17 19:00 | 4                  | 69.3                    | 67.4                   | 64.8                     | -                   | 69.3                       | -                         |
| 15/04/17 20:00 | 4                  | 68.4                    | 64.1                   | 66.3                     | -                   | 68.4                       | -                         |
| 15/04/17 21:00 | 3                  | 67.8                    | 67.1                   | 59.9                     | -                   | 67.8                       | -                         |
| 15/04/17 22:00 | 3                  | 69.8                    | 68.5                   | 63.8                     | -                   | 69.8                       | -                         |
| 15/04/17 23:00 | 2                  | 69.8                    | 69.0                   | 61.8                     | -                   | -                          | 69.8                      |
|                | <b>72</b>          | <b>69.5</b>             | <b>65.0</b>            | <b>68.3</b>              | <b>62.3</b>         | <b>68.9</b>                | <b>73.1</b>               |

Location: Mid Runway NMT # 3



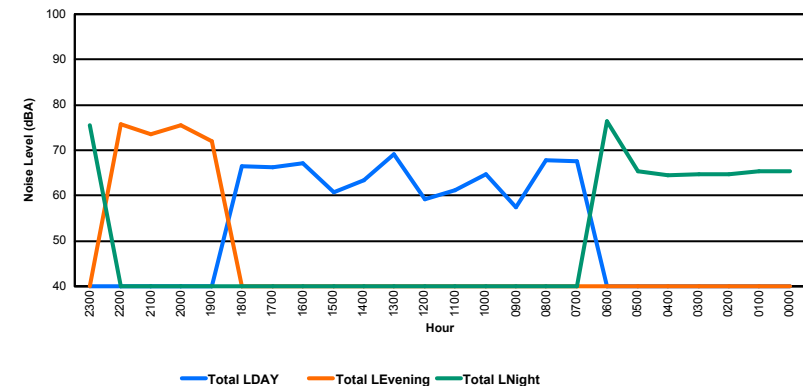
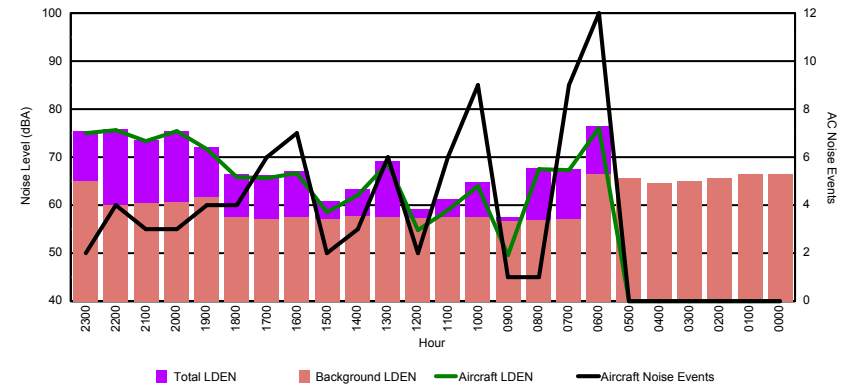


## Luxembourg Airport Noise Distribution by Hour

Between 15/04/2017 00:00:00 and 15/04/2017 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 15/04/17 0:00  | -                  | 65.3                    | -                      | 66.5                     | -                   | -                          | 65.3                      |
| 15/04/17 1:00  | -                  | 65.3                    | -                      | 66.4                     | -                   | -                          | 65.3                      |
| 15/04/17 2:00  | -                  | 64.7                    | -                      | 65.6                     | -                   | -                          | 64.7                      |
| 15/04/17 3:00  | -                  | 64.8                    | -                      | 65.0                     | -                   | -                          | 64.8                      |
| 15/04/17 4:00  | -                  | 64.4                    | -                      | 64.5                     | -                   | -                          | 64.4                      |
| 15/04/17 5:00  | -                  | 65.4                    | -                      | 65.6                     | -                   | -                          | 65.4                      |
| 15/04/17 6:00  | 12                 | 76.5                    | 76.1                   | 66.5                     | -                   | -                          | 76.5                      |
| 15/04/17 7:00  | 9                  | 67.6                    | 67.3                   | 57.0                     | 67.6                | -                          | -                         |
| 15/04/17 8:00  | 1                  | 67.8                    | 67.4                   | 56.9                     | 67.8                | -                          | -                         |
| 15/04/17 9:00  | 1                  | 57.5                    | 49.5                   | 56.7                     | 57.5                | -                          | -                         |
| 15/04/17 10:00 | 9                  | 64.8                    | 64.0                   | 57.4                     | 64.8                | -                          | -                         |
| 15/04/17 11:00 | 6                  | 61.2                    | 59.0                   | 57.4                     | 61.2                | -                          | -                         |
| 15/04/17 12:00 | 2                  | 59.1                    | 54.7                   | 57.2                     | 59.1                | -                          | -                         |
| 15/04/17 13:00 | 6                  | 69.1                    | 68.8                   | 57.4                     | 69.1                | -                          | -                         |
| 15/04/17 14:00 | 3                  | 63.4                    | 62.1                   | 57.7                     | 63.4                | -                          | -                         |
| 15/04/17 15:00 | 2                  | 60.8                    | 58.5                   | 57.1                     | 60.8                | -                          | -                         |
| 15/04/17 16:00 | 7                  | 67.1                    | 66.6                   | 57.5                     | 67.1                | -                          | -                         |
| 15/04/17 17:00 | 6                  | 66.2                    | 65.6                   | 57.0                     | 66.2                | -                          | -                         |
| 15/04/17 18:00 | 4                  | 66.5                    | 65.9                   | 57.4                     | 66.5                | -                          | -                         |
| 15/04/17 19:00 | 4                  | 72.1                    | 71.6                   | 61.7                     | -                   | 72.1                       | -                         |
| 15/04/17 20:00 | 3                  | 75.5                    | 75.4                   | 60.6                     | -                   | 75.5                       | -                         |
| 15/04/17 21:00 | 3                  | 73.5                    | 73.3                   | 60.4                     | -                   | 73.5                       | -                         |
| 15/04/17 22:00 | 4                  | 75.8                    | 75.7                   | 60.0                     | -                   | 75.8                       | -                         |
| 15/04/17 23:00 | 2                  | 75.5                    | 75.0                   | 64.9                     | -                   | -                          | 75.5                      |
|                | <b>84</b>          | <b>70.2</b>             | <b>70.8</b>            | <b>62.3</b>              | <b>65.5</b>         | <b>74.5</b>                | <b>70.9</b>               |

Location: NDB-Hamm NMT # 4





## Luxembourg Airport Noise Distribution by Hour

Between 15/04/2017 00:00:00 and 15/04/2017 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) |
|----------------|--------------------|-------------------------|------------------------|--------------------------|---------------------|----------------------------|---------------------------|
| 15/04/17 0:00  | -                  | 66.8                    | -                      | 67.9                     | -                   | -                          | 66.8                      |
| 15/04/17 1:00  | -                  | 65.8                    | -                      | 66.6                     | -                   | -                          | 65.8                      |
| 15/04/17 2:00  | -                  | 63.5                    | -                      | 64.0                     | -                   | -                          | 63.5                      |
| 15/04/17 3:00  | -                  | 63.2                    | -                      | 63.3                     | -                   | -                          | 63.2                      |
| 15/04/17 4:00  | -                  | 64.9                    | -                      | 65.0                     | -                   | -                          | 64.9                      |
| 15/04/17 5:00  | -                  | 65.9                    | -                      | 66.1                     | -                   | -                          | 65.9                      |
| 15/04/17 6:00  | 11                 | 71.7                    | 70.1                   | 68.0                     | -                   | -                          | 71.7                      |
| 15/04/17 7:00  | 9                  | 61.1                    | 59.2                   | 57.8                     | 61.1                | -                          | -                         |
| 15/04/17 8:00  | 1                  | 61.1                    | 57.4                   | 59.9                     | 61.1                | -                          | -                         |
| 15/04/17 9:00  | -                  | 59.3                    | -                      | 59.4                     | 59.3                | -                          | -                         |
| 15/04/17 10:00 | 6                  | 61.0                    | 56.3                   | 59.4                     | 61.0                | -                          | -                         |
| 15/04/17 11:00 | 2                  | 59.8                    | 51.2                   | 59.2                     | 59.8                | -                          | -                         |
| 15/04/17 12:00 | 1                  | 59.7                    | 49.0                   | 59.4                     | 59.7                | -                          | -                         |
| 15/04/17 13:00 | 4                  | 63.2                    | 58.6                   | 61.5                     | 63.2                | -                          | -                         |
| 15/04/17 14:00 | 2                  | 61.0                    | 55.0                   | 59.9                     | 61.0                | -                          | -                         |
| 15/04/17 15:00 | 2                  | 60.5                    | 54.1                   | 59.5                     | 60.5                | -                          | -                         |
| 15/04/17 16:00 | 3                  | 62.2                    | 59.2                   | 59.3                     | 62.2                | -                          | -                         |
| 15/04/17 17:00 | 5                  | 64.3                    | 58.0                   | 63.2                     | 64.3                | -                          | -                         |
| 15/04/17 18:00 | 3                  | 61.0                    | 56.6                   | 59.1                     | 61.0                | -                          | -                         |
| 15/04/17 19:00 | 2                  | 66.0                    | 62.8                   | 63.3                     | -                   | 66.0                       | -                         |
| 15/04/17 20:00 | 3                  | 67.3                    | 65.5                   | 62.8                     | -                   | 67.3                       | -                         |
| 15/04/17 21:00 | 4                  | 66.9                    | 64.7                   | 63.1                     | -                   | 66.9                       | -                         |
| 15/04/17 22:00 | 4                  | 67.5                    | 66.1                   | 62.0                     | -                   | 67.5                       | -                         |
| 15/04/17 23:00 | 2                  | 70.3                    | 65.3                   | 68.8                     | -                   | -                          | 70.3                      |
|                | <b>64</b>          | <b>65.3</b>             | <b>62.7</b>            | <b>63.7</b>              | <b>61.4</b>         | <b>67.0</b>                | <b>67.5</b>               |

Location: Gare centrale NMT # 5

