

## Les tables de 01à 09 pour le premier cas ou

|                  |
|------------------|
| $l_{ch} = 7cm$   |
| $P_{e-c} = 4cm$  |
| $P_{e-r} = 10cm$ |

**Tableau N°: -01-**  
**Date: 15 -04-2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 9h40  | 570                           | 10               | 34                 | 50  | 55  | 65  | 50  | 54  | 24  | 52  | 19.5             | 1.5             | 20                           | 3.60                   |
| 9h50  | 595                           | 13               | 32                 | 50  | 52  | 63  | 55  | 60  | 25  | 55  | 20               | 03              | 13                           | 2.50                   |
| 10h00 | 624                           | 14               | 32                 | 49  | 53  | 65  | 58  | 60  | 25  | 55  | 20.50            | 3.40            | 15                           | 2.84                   |
| 10h10 | 652                           | 11               | 34                 | 51  | 59  | 70  | 65  | 68  | 25  | 60  | 20.50            | 7.40            | 10                           | 1.84                   |
| 10h20 | 677                           | 12               | 34                 | 52  | 55  | 71  | 68  | 65  | 23  | 62  | 21               | 2.42            | 08                           | 1.20                   |
| 10h30 | 701                           | 11               | 35                 | 55  | 59  | 74  | 66  | 67  | 26  | 64  | 22.50            | 4.10            | 03                           | 0.66                   |
| 10h40 | 720                           | 11               | 35                 | 55  | 59  | 75  | 67  | 69  | 26  | 66  | 22               | 1.79            | 05                           | 0.90                   |
| 10h50 | 738                           | 13               | 36                 | 55  | 57  | 75  | 69  | 70  | 28  | 67  | 22.50            | 03              | 15                           | 2.66                   |
| 11h00 | 765                           | 13               | 46                 | 57  | 67  | 77  | 70  | 72  | 27  | 68  | 23               | 4.10            | 03                           | 0.55                   |
| 11h10 | 782                           | 15               | 36                 | 58  | 60  | 77  | 71  | 72  | 28  | 69  | 23               | 2.75            | 15                           | 2.75                   |
| 11h20 | 800                           | 12               | 37                 | 59  | 63  | 80  | 73  | 75  | 29  | 72  | 23.50            | 4.70            | 08                           | 2.23                   |
| 11h30 | 817                           | 13               | 38                 | 60  | 68  | 82  | 74  | 75  | 30  | 73  | 23.50            | 0.61            | 18                           | 2.56                   |
| 11h40 | 837                           | 13               | 39                 | 62  | 68  | 84  | 75  | 76  | 29  | 63  | 24               | 3.40            | 12                           | 1.91                   |
| 11h50 | 849                           | 13               | 39                 | 63  | 65  | 85  | 75  | 77  | 30  | 63  | 24.50            | 3.80            | 13                           | 2                      |
| 12h00 | 863                           | 18               | 40                 | 62  | 68  | 83  | 76  | 79  | 30  | 74  | 25               | 1.38            | 13                           | 2.32                   |
| 12h10 | 868                           | 17               | 32                 | 62  | 69  | 82  | 76  | 78  | 31  | 74  | 24.50            | 1.73            | 14                           | 2.40                   |
| 12h20 | 878                           | 18               | 39                 | 60  | 69  | 80  | 75  | 76  | 31  | 74  | 25               | 2               | 12                           | 2.62                   |
| 12h30 | 883                           | 20               | 38                 | 59  | 62  | 78  | 75  | 77  | 31  | 73  | 26               | 2.60            | 03                           | 0.61                   |
| 12h40 | 879                           | 18               | 39                 | 62  | 65  | 84  | 76  | 79  | 34  | 75  | 26               | 3.10            | 03                           | 0.70                   |
| 12h50 | 877                           | 18               | 39                 | 61  | 65  | 82  | 77  | 79  | 34  | 75  | 26               | 3.60            | 03                           | 0.75                   |
| 13h00 | 877                           | 18               | 39                 | 61  | 65  | 81  | 77  | 80  | 34  | 76  | 26.50            | 5.40            | 04                           | 0.82                   |
| 13h10 | 877                           | 17               | 39                 | 62  | 66  | 81  | 78  | 80  | 34  | 75  | 27               | 6.40            | 05                           | 0.92                   |
| 13h20 | 877                           | 17               | 40                 | 62  | 66  | 81  | 79  | 80  | 33  | 75  | 27               | 9.50            | 05                           | 0.91                   |
| 13h30 | 861                           | 17               | 39                 | 66  | 68  | 81  | 77  | 79  | 35  | 76  | 27               | 1.34            | 05                           | 0.92                   |
| 13h40 | 851                           | 16               | 40                 | 64  | 65  | 82  | 79  | 80  | 35  | 75  | 27.50            | 6.90            | 05                           | 0.93                   |
| 13h50 | 847                           | 15               | 40                 | 63  | 70  | 83  | 79  | 80  | 34  | 75  | 27               | 7.10            | 05                           | 0.93                   |
| 14h00 | 832                           | 15               | 40                 | 63  | 67  | 82  | 78  | 80  | 34  | 74  | 27               | 5.20            | 05                           | 0.92                   |
| 14h10 | 817                           | 15               | 40                 | 63  | 64  | 80  | 76  | 80  | 35  | 74  | 27               | 7.60            | 03                           | 0.65                   |
| 14h20 | 797                           | 15               | 40                 | 63  | 68  | 80  | 76  | 78  | 35  | 74  | 27.50            | 1.67            | 03                           | 0.60                   |

**Tableau N°:-02-**  
**Date:16/04/2008**

| Temps | Φ<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|--------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                          |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 9h00  | 457                      | 05               | 28                 | 47  | 53  | 50  | 42  | 47  | 23  | 41  | 20               | 9.50            | 15                           | 2.55                   |
| 9h10  | 491                      | 10               | 27                 | 48  | 51  | 53  | 47  | 49  | 24  | 46  | 21               | 07              | 17                           | 3.00                   |
| 9h20  | 523                      | 10               | 28                 | 45  | 58  | 56  | 49  | 51  | 24  | 47  | 21               | 4.20            | 18                           | 3.20                   |
| 9h30  | 555                      | 12               | 28                 | 46  | 49  | 59  | 52  | 54  | 27  | 50  | 21               | 8.50            | 20                           | 3.70                   |
| 9h40  | 587                      | 11               | 30                 | 48  | 52  | 63  | 54  | 56  | 25  | 53  | 21               | 1.32            | 15                           | 2.43                   |
| 9h50  | 613                      | 14               | 30                 | 50  | 53  | 64  | 56  | 58  | 26  | 55  | 22               | 0.83            | 13                           | 2.50                   |
| 10h00 | 633                      | 11               | 31                 | 50  | 54  | 65  | 58  | 59  | 26  | 55  | 22               | 8.30            | 17                           | 3.10                   |
| 10h10 | 656                      | 11               | 32                 | 52  | 55  | 67  | 60  | 61  | 26  | 58  | 22.5             | 9.50            | 14                           | 2.56                   |
| 10h20 | 679                      | 12               | 32                 | 54  | 58  | 70  | 62  | 64  | 26  | 60  | 22.5             | 9.80            | 12                           | 2.12                   |
| 10h30 | 707                      | 11               | 33                 | 55  | 58  | 72  | 62  | 64  | 27  | 61  | 23.5             | 5.30            | 08                           | 1.58                   |
| 10h40 | 722                      | 15               | 33                 | 55  | 58  | 71  | 64  | 65  | 27  | 64  | 24               | 3.50            | 09                           | 1.78                   |
| 10h50 | 756                      | 13               | 34                 | 56  | 59  | 74  | 66  | 68  | 27  | 64  | 23.5             | 1.17            | 08                           | 1.28                   |
| 11h00 | 798                      | 14               | 34                 | 56  | 67  | 76  | 68  | 70  | 28  | 66  | 24.5             | 10.9            | 03                           | 0.62                   |
| 11h10 | 775                      | 14               | 35                 | 55  | 62  | 72  | 69  | 72  | 28  | 67  | 25               | 8.01            | 04                           | 0.69                   |
| 11h20 | 624                      | 15               | 35                 | 55  | 57  | 72  | 66  | 67  | 29  | 65  | 25.5             | 11.03           | 07                           | 1.27                   |
| 11h30 | 730                      | 15               | 35                 | 55  | 53  | 75  | 67  | 69  | 29  | 65  | 27               | 6.40            | 08                           | 1.34                   |
| 11h40 | 765                      | 16               | 35                 | 53  | 56  | 69  | 64  | 65  | 30  | 63  | 27               | 5.40            | 11                           | 2.10                   |
| 11h50 | 463                      | 16               | 34                 | 48  | 52  | 59  | 56  | 56  | 29  | 55  | 25.5             | 1.85            | 20                           | 3.50                   |
| 12h00 | 423                      | 16               | 34                 | 46  | 47  | 56  | 54  | 54  | 28  | 53  | 26               | 8.20            | 22                           | 04                     |
| 12h10 | 408                      | 16               | 34                 | 47  | 51  | 58  | 55  | 55  | 29  | 54  | 25               | 1.75            | 23                           | 3.9                    |
| 12h20 | 564                      | 17               | 34                 | 48  | 50  | 60  | 55  | 56  | 28  | 54  | 25               | 4.1             | 18                           | 3.3                    |
| 12h30 | 662                      | 16               | 34                 | 49  | 56  | 64  | 58  | 59  | 30  | 57  | 24.5             | 2.3             | 19                           | 3.4                    |
| 12h40 | 586                      | 14               | 35                 | 50  | 55  | 65  | 59  | 60  | 30  | 58  | 24.5             | 2.62            | 13                           | 2.35                   |
| 12h50 | 435                      | 14               | 35                 | 49  | 53  | 61  | 57  | 58  | 30  | 56  | 25               | 3               | 17                           | 3.1                    |
| 13h00 | 427                      | 15               | 34                 | 47  | 52  | 58  | 55  | 55  | 30  | 53  | 24.5             | 08              | 22                           | 04                     |
| 13h10 | 321                      | 14               | 34                 | 43  | 48  | 51  | 51  | 50  | 28  | 48  | 25.5             | 3.7             | 20                           | 3.4                    |
| 13h20 | 306                      | 16               | 32                 | 41  | 45  | 47  | 46  | 45  | 28  | 45  | 26               | 7.6             | 29                           | 5.2                    |
| 13h30 | 325                      | 15               | 32                 | 41  | 42  | 48  | 47  | 47  | 28  | 45  | 27               | 10.58           | 33                           | 5.8                    |
| 13h40 | 328                      | 16               | 32                 | 45  | 43  | 49  | 46  | 46  | 29  | 46  | 26.5             | 12.1            | 30                           | 5.3                    |
| 13h50 | 353                      | 16               | 32                 | 42  | 48  | 50  | 47  | 48  | 29  | 46  | 25               | 7.4             | 36                           | 6.3                    |
| 14h00 | 408                      | 15               | 34                 | 43  | 46  | 53  | 48  | 49  | 30  | 48  | 25.5             | 3.7             | 34                           | 06                     |
| 14h10 | 450                      | 16               | 34                 | 45  | 47  | 47  | 53  | 55  | 32  | 52  | 26.5             | 1.35            | 26                           | 4.7                    |
| 14h20 | 311                      | 16               | 33                 | 43  | 50  | 50  | 49  | 49  | 30  | 48  | 27               | 3.2             | 30                           | 5.4                    |
| 14h30 | 368                      | 17               | 34                 | 44  | 45  | 51  | 49  | 49  | 29  | 47  | 27.5             | 2.3             | 30                           | 4.5                    |

**Tableau N°: 03**  
**Date: 19/04/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pressio<br>n<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|----------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                      | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 09h10 | 457                           | 34                   | 28                 | 36  | 37  | 43  | 42  | 43  | 27  | 41  | 23               | 3               | 66                           | 11.8                   |
| 09h20 | 482                           | 34                   | 27                 | 36  | 39  | 45  | 43  | 44  | 28  | 42  | 23.5             | 3.60            | 65                           | 11.5                   |
| 09h30 | 503                           | 35                   | 29                 | 38  | 40  | 47  | 45  | 46  | 28  | 44  | 23.5             | 2.10            | 60                           | 10.5                   |
| 09h40 | 547                           | 35                   | 30                 | 39  | 41  | 49  | 46  | 47  | 29  | 45  | 24               | 2.03            | 58                           | 10.2                   |
| 09h50 | 568                           | 33                   | 30                 | 39  | 43  | 50  | 47  | 49  | 29  | 46  | 24.5             | 1.24            | 57                           | 10.1                   |
| 10h00 | 524                           | 30                   | 31                 | 41  | 45  | 52  | 48  | 51  | 28  | 47  | 24.5             | 1.26            | 56                           | 9.90                   |
| 10h10 | 612                           | 32                   | 33                 | 43  | 45  | 54  | 51  | 53  | 30  | 49  | 24.7             | 0.44            | 50                           | 8.60                   |
| 10h20 | 634                           | 29                   | 34                 | 43  | 46  | 55  | 52  | 54  | 29  | 51  | 25.5             | 2.37            | 49                           | 8.40                   |
| 10h30 | 654                           | 32                   | 34                 | 44  | 48  | 57  | 53  | 55  | 30  | 53  | 25.5             | 7.80            | 45                           | 8.10                   |
| 10h40 | 647                           | 32                   | 34                 | 45  | 52  | 58  | 55  | 47  | 31  | 53  | 26.5             | 0.88            | 42                           | 7.40                   |
| 10h50 | 690                           | 28                   | 36                 | 47  | 50  | 58  | 59  | 89  | 32  | 55  | 27               | 1.51            | 36                           | 6.30                   |
| 11h00 | 699                           | 31                   | 36                 | 48  | 52  | 63  | 59  | 61  | 33  | 57  | 28               | 0.50            | 29                           | 5.20                   |
| 11h10 | 707                           | 28                   | 38                 | 50  | 55  | 56  | 60  | 63  | 34  | 60  | 28               | 0.21            | 25                           | 4.50                   |
| 11h20 | 710                           | 31                   | 39                 | 51  | 55  | 58  | 63  | 65  | 34  | 61  | 29.5             | 0.80            | 20                           | 3.30                   |
| 11h30 | 720                           | 31                   | 39                 | 51  | 55  | 68  | 64  | 65  | 35  | 67  | 30               | 0.23            | 18                           | 3.30                   |
| 11h40 | 719                           | 31                   | 41                 | 54  | 58  | 71  | 61  | 69  | 35  | 65  | 29               | 0.70            | 10                           | 1.50                   |
| 11h50 | 744                           | 31                   | 41                 | 54  | 58  | 72  | 66  | 69  | 35  | 65  | 30               | 1.54            | 11                           | 20.0                   |
| 12h00 | 748                           | 32                   | 42                 | 54  | 60  | 72  | 67  | 70  | 35  | 66  | 31               | 1.48            | 08                           | 1.45                   |
| 12h10 | 763                           | 31                   | 42                 | 55  | 59  | 73  | 69  | 71  | 37  | 66  | 31               | 0.96            | 05                           | 1.30                   |
| 12h20 | 775                           | 31                   | 43                 | 56  | 62  | 75  | 70  | 74  | 38  | 69  | 31               | 1.12            | 04                           | 0.73                   |
| 12h30 | 786                           | 31                   | 43                 | 57  | 61  | 75  | 70  | 72  | 39  | 70  | 30               | 3.10            | 02                           | 0.40                   |
| 12h40 | 790                           | 31                   | 43                 | 57  | 61  | 74  | 70  | 73  | 38  | 69  | 31               | 7.50            | 02                           | 0.38                   |
| 12h50 | 780                           | 29                   | 45                 | 58  | 60  | 75  | 70  | 73  | 39  | 69  | 32               | 13.2            | 03                           | 0.66                   |
| 13h00 | 788                           | 32                   | 45                 | 56  | 62  | 74  | 70  | 73  | 38  | 69  | 31               | 2.50            | 04                           | 0.75                   |
| 13h10 | 790                           | 32                   | 45                 | 47  | 61  | 73  | 69  | 72  | 39  | 67  | 32               | 3.60            | 05                           | 1.06                   |
| 13h20 | 759                           | 28                   | 46                 | 57  | 62  | 74  | 70  | 72  | 40  | 68  | 31.5             | 12.7            | 04                           | 0.71                   |
| 13h30 | 740                           | 31                   | 46                 | 56  | 62  | 73  | 69  | 71  | 39  | 67  | 31               | 10.5            | 06                           | 1.05                   |
| 13h40 | 714                           | 30                   | 46                 | 47  | 61  | 72  | 68  | 70  | 40  | 66  | 33               | 08              | 09                           | 1.22                   |
| 13h50 | 674                           | 31                   | 45                 | 55  | 60  | 70  | 68  | 70  | 40  | 66  | 32               | 11.9            | 08                           | 1.48                   |
| 14h00 | 622                           | 31                   | 45                 | 54  | 58  | 69  | 66  | 67  | 39  | 64  | 33               | 5.50            | 12                           | 2.22                   |
| 14h10 | 644                           | 31                   | 45                 | 54  | 57  | 69  | 65  | 67  | 41  | 64  | 33               | 4.70            | 13                           | 2.40                   |
| 14h20 | 615                           | 30                   | 45                 | 54  | 57  | 67  | 65  | 66  | 40  | 63  | 35               | 0.55            | 13                           | 2.39                   |
| 14h30 | 616                           | 30                   | 44                 | 52  | 55  | 65  | 63  | 64  | 39  | 62  | 34               | 0.30            | 16                           | 2.92                   |
| 14h40 | 519                           | 30                   | 43                 | 50  | 53  | 61  | 60  | 61  | 38  | 58  | 35               | 0.22            | 26                           | 4.70                   |

**Tableau N°: 04**  
**Date: 20/04/2008**

| Temps | Φ<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|--------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                          |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 09h00 | 334                      | 37               | 30                 | 37  | 38  | 45  | 41  | 43  | 27  | 41  | 21.5             | 2.50            | 60                           | 10.7                   |
| 09h10 | 360                      | 35               | 29                 | 37  | 39  | 45  | 42  | 45  | 29  | 42  | 22               | 0.87            | 54                           | 9.50                   |
| 09h20 | 446                      | 34               | 30                 | 37  | 40  | 43  | 43  | 45  | 29  | 43  | 22               | 1.35            | 64                           | 11.4                   |
| 09h30 | 482                      | 32               | 32                 | 38  | 41  | 47  | 45  | 46  | 31  | 45  | 22               | 0.31            | 69                           | 12.4                   |
| 09h40 | 525                      | 43               | 34                 | 40  | 41  | 48  | 46  | 47  | 31  | 45  | 22.5             | 3.40            | 63                           | 11.1                   |
| 09h50 | 553                      | 41               | 34                 | 41  | 43  | 49  | 48  | 49  | 32  | 46  | 23               | 3.30            | 66                           | 11.7                   |
| 10h00 | 579                      | 36               | 35                 | 43  | 44  | 52  | 48  | 51  | 33  | 48  | 23.5             | 8.70            | 64                           | 11.2                   |
| 10h10 | 607                      | 41               | 36                 | 44  | 46  | 54  | 51  | 53  | 33  | 50  | 24               | 01              | 63                           | 11.01                  |
| 10h20 | 640                      | 41               | 37                 | 45  | 46  | 55  | 52  | 54  | 34  | 50  | 25               | 4.30            | 55                           | 9.7                    |
| 10h30 | 657                      | 41               | 37                 | 44  | 46  | 55  | 53  | 54  | 34  | 52  | 25               | 18.3            | 52                           | 9.2                    |
| 10h40 | 674                      | 36               | 38                 | 46  | 38  | 57  | 53  | 55  | 34  | 52  | 26               | 5.10            | 52                           | 9.1                    |
| 10h50 | 714                      | 40               | 39                 | 46  | 49  | 59  | 55  | 58  | 35  | 54  | 26               | 07              | 49                           | 8.6                    |
| 11h00 | 676                      | 40               | 38                 | 46  | 47  | 55  | 53  | 55  | 34  | 52  | 26               | 1.57            | 51                           | 09                     |
| 11h10 | 640                      | 40               | 38                 | 45  | 46  | 54  | 53  | 54  | 35  | 50  | 26.5             | 6.30            | 57                           | 10                     |
| 11h20 | 405                      | 38               | 39                 | 49  | 50  | 60  | 57  | 60  | 35  | 55  | 27               | 2.20            | 40                           | 6.1                    |
| 11h30 | 786                      | 39               | 40                 | 50  | 52  | 62  | 59  | 61  | 37  | 58  | 28               | 8.80            | 39                           | 6.9                    |
| 11h40 | 735                      | 39               | 40                 | 49  | 51  | 61  | 59  | 60  | 36  | 55  | 28               | 1.84            | 38                           | 07                     |
| 11h50 | 370                      | 40               | 40                 | 46  | 47  | 55  | 54  | 55  | 36  | 52  | 27               | 9.10            | 53                           | 9.4                    |
| 12h00 | 840                      | 35               | 40                 | 50  | 52  | 63  | 59  | 61  | 37  | 57  | 28               | 4.50            | 36                           | 6.4                    |
| 12h10 | 805                      | 40               | 41                 | 51  | 54  | 64  | 61  | 63  | 39  | 59  | 28               | 03              | 26                           | 4.6                    |
| 12h20 | 760                      | 40               | 42                 | 53  | 56  | 67  | 93  | 65  | 39  | 60  | 29               | 1.07            | 16                           | 2.80                   |
| 12h30 | 709                      | 41               | 44                 | 54  | 58  | 69  | 65  | 67  | 39  | 62  | 29               | 1.67            | 18                           | 3.30                   |
| 12h40 | 784                      | 40               | 44                 | 52  | 55  | 65  | 63  | 64  | 39  | 60  | 29.5             | 2.27            | 22.4                         | 04                     |
| 12h50 | 832                      | 39               | 43                 | 52  | 54  | 64  | 63  | 64  | 39  | 59  | 29.5             | 15              | 26                           | 7.7                    |
| 13h00 | 698                      | 39               | 42                 | 51  | 53  | 62  | 60  | 61  | 39  | 57  | 30               | 0.70            | 28                           | 7.1                    |
| 13h10 | 675                      | 38               | 42                 | 50  | 52  | 61  | 59  | 60  | 38  | 57  | 31               | 3.40            | 34                           | 6.1                    |
| 13h20 | 700                      | 33               | 42                 | 51  | 53  | 62  | 60  | 61  | 39  | 57  | 31               | 12.1            | 33                           | 5.9                    |
| 13h30 | 710                      | 33               | 42                 | 51  | 53  | 63  | 61  | 62  | 39  | 57  | 31               | 0.88            | 32                           | 5.7                    |
| 13h40 | 695                      | 38               | 43                 | 52  | 54  | 64  | 61  | 62  | 39  | 58  | 31               | 2.80            | 30                           | 5.3                    |
| 13h50 | 684                      | 33               | 43                 | 51  | 53  | 62  | 61  | 62  | 40  | 58  | 30.5             | 9.03            | 30                           | 5.5                    |
| 14h00 | 688                      | 33               | 43                 | 52  | 54  | 63  | 61  | 62  | 40  | 57  | 30               | 11.9            | 29                           | 5.2                    |
| 14h10 | 673                      | 33               | 44                 | 52  | 54  | 63  | 61  | 62  | 41  | 59  | 31               | 6.40            | 29                           | 5.2                    |
| 14h20 | 635                      | 38               | 44                 | 52  | 54  | 62  | 61  | 63  | 41  | 59  | 31               | 11              | 35                           | 04                     |
| 14h30 | 640                      | 38               | 44                 | 52  | 55  | 63  | 61  | 62  | 41  | 59  | 31               | 1.05            | 28                           | 4.9                    |

**Tableau N°: 05**  
**Date:22/04/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |         |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|---------|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°<br>2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 09h40 | 602                           | 45               | 28                 | 36      | 37  | 43  | 39  | 42  | 28  | 40  | 20.5             | 7.8             | 52                           | 16.1                   |
| 09h50 | 646                           | 48               | 33                 | 43      | 45  | 56  | 49  | 51  | 28  | 48  | 21               | 1.5             | 78                           | 13.8                   |
| 10h00 | 637                           | 45               | 33                 | 42      | 43  | 52  | 49  | 51  | 29  | 47  | 21               | 1.05            | 70                           | 12.3                   |
| 10h10 | 663                           | 44               | 35                 | 45      | 46  | 59  | 54  | 55  | 30  | 5   | 20.5             | 3.2             | 62                           | 10.9                   |
| 10h20 | 687                           | 45               | 35                 | 45      | 46  | 57  | 54  | 55  | 31  | 52  | 21.5             | 6.2             | 56                           | 9.9                    |
| 10h30 | 705                           | 47               | 37                 | 47      | 48  | 61  | 56  | 59  | 30  | 54  | 21               | 2.33            | 48                           | 8.4                    |
| 10h40 | 728                           | 47               | 41                 | 51      | 52  | 68  | 60  | 63  | 30  | 56  | 21               | 8.1             | 38                           | 7.6                    |
| 10h50 | 747                           | 40               | 42                 | 52      | 53  | 68  | 62  | 64  | 31  | 59  | 21.5             | 0.38            | 33                           | 5.8                    |
| 11h00 | 757                           | 40               | 44                 | 55      | 57  | 73  | 64  | 57  | 30  | 62  | 22               | 10.3            | 22                           | 04                     |
| 11h10 | 783                           | 45               | 38                 | 46      | 48  | 60  | 56  | 59  | 34  | 55  | 23               | 5.1             | 45                           | 08                     |
| 11h20 | 797                           | 44               | 38                 | 47      | 48  | 60  | 56  | 60  | 32  | 54  | 23               | 2.01            | 46                           | 8.1                    |
| 11h30 | 810                           | 45               | 40                 | 48      | 50  | 63  | 60  | 62  | 32  | 56  | 23.5             | 5.7             | 36                           | 6.3                    |
| 11h40 | 825                           | 45               | 43                 | 53      | 55  | 71  | 64  | 68  | 32  | 62  | 23.5             | 0.13            | 26                           | 4.6                    |
| 11h50 | 831                           | 45               | 45                 | 55      | 60  | 75  | 68  | 70  | 32  | 64  | 24.5             | 41              | 20                           | 3.6                    |
| 12h00 | 837                           | 40               | 42                 | 52      | 55  | 68  | 65  | 67  | 33  | 61  | 24               | 9.2             | 24                           | 4.2                    |
| 12h10 | 835                           | 45               | 43                 | 53      | 55  | 69  | 65  | 68  | 33  | 63  | 24.5             | 8.4             | 17                           | 03                     |
| 12h20 | 831                           | 44               | 43                 | 53      | 55  | 69  | 65  | 67  | 34  | 62  | 24.5             | 9.4             | 17                           | 3.1                    |
| 12h30 | 835                           | 39               | 48                 | 60      | 63  | 75  | 68  | 71  | 33  | 65  | 25               | 0.75            | 14                           | 2.70                   |
| 12h40 | 832                           | 45               | 48                 | 56      | 60  | 72  | 68  | 70  | 36  | 65  | 24.5             | 0.82            | 12                           | 2.15                   |
| 12h50 | 829                           | 45               | 47                 | 56      | 60  | 73  | 69  | 71  | 36  | 66  | 25               | 0.45            | 04                           | 0.85                   |
| 13h00 | 822                           | 42               | 46                 | 54      | 58  | 71  | 68  | 69  | 35  | 64  | 24.5             | 3.7             | 14                           | 2.9                    |
| 13h10 | 820                           | 41               | 50                 | 60      | 65  | 76  | 70  | 73  | 37  | 67  | 26               | 7.8             | 05                           | 0.24                   |
| 13h20 | 820                           | 39               | 47                 | 56      | 60  | 72  | 68  | 70  | 38  | 65  | 27               | 6.2             | 07                           | 1.23                   |
| 13h30 | 812                           | 41               | 48                 | 58      | 61  | 73  | 70  | 72  | 38  | 66  | 26               | 0.63            | 09                           | 1.13                   |
| 13h40 | 802                           | 40               | 50                 | 60      | 63  | 75  | 71  | 74  | 39  | 68  | 28               | 0.49            | 03                           | 0.59                   |
| 13h50 | 794                           | 43               | 49                 | 58      | 60  | 72  | 70  | 71  | 39  | 66  | 28               | 1.66            | 07                           | 1.40                   |
| 14h00 | 780                           | 45               | 48                 | 54      | 65  | 74  | 60  | 66  | 38  | 65  | 27               | 1               | 16                           | 2.75                   |

**Tableau N°: 06**  
**Date: 23/04/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |         |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|---------|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°<br>2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 09h40 | 571                           | 25               | 45                 | 45      | 44  | 47  | 30  | 30  | 45  | 30  | 21               | 32.1            | 45.6                         | 10.6                   |
| 09h50 | 598                           | 17               | 46                 | 45      | 44  | 50  | 31  | 32  | 48  | 31  | 22               | 0.48            | 53                           | 9.3                    |
| 10h00 | 612                           | 41               | 47                 | 45      | 44  | 50  | 31  | 32  | 48  | 31  | 23               | 3.5             | 50                           | 8.9                    |
| 10h10 | 639                           | 37               | 49                 | 45      | 44  | 51  | 31  | 32  | 49  | 30  | 22.5             | 7.5             | 54                           | 9.3                    |
| 10h20 | 668                           | 35               | 49                 | 45      | 44  | 52  | 31  | 32  | 49  | 30  | 23               | 6.6             | 50                           | 8.9                    |
| 10h30 | 691                           | 38               | 50                 | 47      | 46  | 53  | 31  | 33  | 51  | 31  | 23               | 2.82            | 50                           | 8.8                    |
| 10h40 | 700                           | 37               | 52                 | 48      | 48  | 55  | 32  | 34  | 52  | 31  | 23               | 7.4             | 47                           | 5.9                    |
| 10h50 | 725                           | 36               | 53                 | 49      | 49  | 55  | 32  | 35  | 54  | 33  | 22.5             | 0.67            | 45                           | 08                     |
| 11h00 | 738                           | 37               | 54                 | 49      | 49  | 58  | 33  | 35  | 54  | 34  | 23               | 3.6             | 44                           | 7.8                    |
| 11h10 | 761                           | 35               | 54                 | 50      | 50  | 59  | 33  | 35  | 55  | 33  | 23               | 4.1             | 41                           | 7.2                    |
| 11h20 | 776                           | 35               | 57                 | 51      | 51  | 59  | 34  | 36  | 57  | 34  | 23.5             | 4.9             | 38                           | 6.8                    |
| 11h30 | 820                           | 34               | 57                 | 50      | 49  | 58  | 33  | 35  | 55  | 34  | 24               | 0.78            | 43                           | 7.5                    |
| 11h40 | 828                           | 33               | 56                 | 49      | 49  | 57  | 33  | 34  | 55  | 33  | 24               | 0.96            | 46                           | 8.1                    |
| 11h50 | 832                           | 33               | 55                 | 50      | 49  | 58  | 34  | 36  | 57  | 34  | 25               | 0.52            | 41                           | 7.2                    |
| 12h00 | 845                           | 32               | 58                 | 52      | 53  | 61  | 35  | 37  | 59  | 35  | 25.5             | 1.53            | 36                           | 6.3                    |
| 12h10 | 845                           | 31               | 59                 | 52      | 52  | 61  | 35  | 38  | 59  | 35  | 26               | 1.02            | 38                           | 6.7                    |
| 12h20 | 846                           | 30               | 59                 | 52      | 52  | 61  | 36  | 38  | 60  | 36  | 26               | 0.70            | 40                           | 07                     |
| 12h30 | 850                           | 29               | 59                 | 53      | 53  | 61  | 42  | 44  | 59  | 42  | 27               | 0.51            | 44                           | 7.9                    |
| 12h40 | 833                           | 28               | 62                 | 56      | 57  | 65  | 38  | 39  | 63  | 38  | 28               | 11.2            | 29                           | 5.0                    |
| 12h50 | 834                           | 31               | 62                 | 53      | 53  | 62  | 39  | 41  | 61  | 40  | 28               | 0.6             | 35                           | 6.3                    |

**Tableau N°: 07**  
**Date:26/04/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 09h10 | 470                           | 15               | 34                 | 37  | 37  | 42  | 29  | 30  | 38  | 30  | 21.5             | 0.02            | 67                           | 11.7                   |
| 09h20 | 497                           | 55               | 41                 | 41  | 41  | 44  | 30  | 32  | 43  | 30  | 22               | 2.43            | 57                           | 10                     |
| 09h30 | 535                           | 55               | 43                 | 42  | 42  | 42  | 33  | 33  | 45  | 31  | 22               | 0.39            | 55                           | 09.7                   |
| 09h40 | 600                           | 58               | 45                 | 44  | 45  | 50  | 32  | 35  | 48  | 32  | 22               | 0.54            | 60                           | 10.6                   |
| 09h50 | 640                           | 59               | 46                 | 43  | 44  | 46  | 31  | 33  | 46  | 31  | 24               | 5.60            | 55                           | 9.7                    |
| 10h00 | 662                           | 59               | 48                 | 44  | 45  | 47  | 32  | 33  | 48  | 31  | 23               | 1.66            | 55                           | 9.7                    |
| 10h10 | 685                           | 58               | 49                 | 45  | 46  | 50  | 32  | 32  | 50  | 32  | 23.5             | 1.50            | 54                           | 9.5                    |
| 10h20 | 705                           | 58               | 50                 | 46  | 46  | 50  | 33  | 35  | 52  | 32  | 23.5             | 0.71            | 53                           | 9.3                    |
| 10h30 | 722                           | 56               | 53                 | 48  | 49  | 52  | 34  | 36  | 54  | 34  | 24               | 0.88            | 50                           | 8.8                    |
| 10h40 | 746                           | 51               | 53                 | 49  | 50  | 53  | 35  | 37  | 54  | 34  | 24.5             | 1.03            | 48                           | 8.5                    |
| 10h50 | 769                           | 50               | 55                 | 50  | 50  | 54  | 34  | 37  | 55  | 34  | 25               | 7.30            | 45                           | 08                     |
| 11h00 | 777                           | 56               | 56                 | 51  | 51  | 54  | 34  | 37  | 56  | 34  | 25               | 1.11            | 44                           | 7.7                    |
| 11h10 | 793                           | 62               | 56                 | 51  | 51  | 55  | 35  | 37  | 58  | 35  | 25               | 6.70            | 42                           | 7.5                    |
| 11h20 | 814                           | 53               | 56                 | 52  | 52  | 55  | 35  | 38  | 56  | 35  | 25.5             | 2.95            | 44                           | 7.7                    |
| 11h30 | 824                           | 58               | 57                 | 52  | 53  | 55  | 36  | 38  | 58  | 36  | 25               | 3.20            | 40                           | 07                     |
| 11h40 | 835                           | 53               | 59                 | 52  | 54  | 58  | 36  | 39  | 60  | 36  | 26.5             | 1.21            | 36                           | 6.3                    |
| 11h50 | 843                           | 58               | 60                 | 54  | 54  | 58  | 36  | 38  | 60  | 35  | 27               | 2.58            | 39                           | 6.9                    |
| 12h00 | 848                           | 48               | 60                 | 54  | 54  | 59  | 37  | 40  | 60  | 37  | 27               | 7.00            | 34                           | 6.1                    |
| 12h10 | 848                           | 38               | 60                 | 53  | 54  | 60  | 38  | 42  | 60  | 37  | 27               | 6.80            | 38                           | 1.99                   |
| 12h20 | 850                           | 35               | 60                 | 53  | 54  | 60  | 38  | 42  | 59  | 37  | 26.5             | 8.30            | 41                           | 7.3                    |
| 12h30 | 848                           | 33               | 60                 | 54  | 55  | 62  | 40  | 44  | 60  | 38  | 28               | 5.10            | 34                           | 06                     |
| 12h40 | 846                           | 25               | 60                 | 54  | 55  | 61  | 39  | 43  | 60  | 37  | 28.5             | 1.75            | 38                           | 6.8                    |
| 12h50 | 840                           | 29               | 60                 | 54  | 54  | 61  | 40  | 44  | 60  | 38  | 29               | 8.30            | 36                           | 6.3                    |
| 13h00 | 840                           | 23               | 60                 | 54  | 55  | 60  | 40  | 43  | 60  | 38  | 28.5             | 0.90            | 39                           | 6.9                    |
| 13h10 | 832                           | —                | 60                 | 52  | 52  | 57  | 37  | 38  | 60  | 37  | 29               | 2.75            | 35                           | 6.1                    |
| 13h20 | 823                           | —                | 60                 | 51  | 51  | 57  | 37  | 38  | 60  | 37  | 30               | 0.90            | 36                           | 6.4                    |
| 13h30 | 810                           | —                | 60                 | 52  | 51  | 57  | 37  | 38  | 60  | 37  | 31               | 1.51            | 36                           | 6.4                    |
| 13h40 | 802                           | —                | 60                 | 52  | 52  | 58  | 38  | 39  | 60  | 38  | 31.5             | 0.99            | 33                           | 5.9                    |
| 13h50 | 792                           | —                | 60                 | 52  | 51  | 56  | 36  | 37  | 58  | 36  | 30.5             | 0.50            | 40                           | 07                     |
| 14h00 | 778                           | —                | 60                 | 60  | 52  | 56  | 38  | 39  | 60  | 39  | 31               | 0.40            | 34                           | 6.1                    |
| 14h10 | 749                           | —                | 60                 | 53  | 52  | 59  | 40  | 40  | 61  | 39  | 30               | 1.95            | 37                           | 5.5                    |
| 14h20 | 739                           | —                | 59                 | 53  | 52  | 58  | 38  | 39  | 60  | 38  | 29.5             | 0.54            | 37                           | 6.5                    |
| 14h30 | 717                           | —                | 59                 | 52  | 51  | 58  | 39  | 39  | 60  | 38  | 29.5             | 0.61            | 35                           | 6.2                    |
| 14h40 | 697                           | —                | 58                 | 51  | 51  | 56  | 38  | 39  | 57  | 38  | 30               | 4.30            | 40                           | 7.1                    |

**Tableau N°:08**  
**Date:27/04/2008**

| Temps | Φ<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|--------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                          |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 09h00 | 556                      | —                | 35                 | 41  | 41  | 46  | 29  | 29  | 38  | 28  | 21               | 1.80            | 45                           | 7.80                   |
| 09h10 | 470                      | —                | 39                 | 40  | 39  | 44  | 27  | 28  | 41  | 27  | 21               | 2.51            | 47                           | 7.30                   |
| 09h20 | 497                      | —                | 41                 | 40  | 39  | 44  | 27  | 28  | 42  | 27  | 21               | 1.20            | 44                           | 7.80                   |
| 09h30 | 727                      | —                | 43                 | 42  | 41  | 46  | 27  | 28  | 44  | 27  | 21               | 08              | 45                           | 08                     |
| 09h40 | 555                      | —                | 45                 | 43  | 42  | 47  | 27  | 28  | 45  | 27  | 21.5             | 3.60            | 40                           | 7.10                   |
| 09h50 | 584                      | —                | 46                 | 44  | 43  | 49  | 29  | 30  | 47  | 28  | 21.5             | 2.85            | 41                           | 7.20                   |
| 10h00 | 613                      | —                | 49                 | 45  | 44  | 51  | 28  | 30  | 48  | 28  | 23               | 07              | 41                           | 7.30                   |
| 10h10 | 641                      | —                | 50                 | 46  | 44  | 52  | 28  | 31  | 49  | 29  | 22               | 2.42            | 39                           | 6.90                   |
| 10h20 | 675                      | —                | 52                 | 47  | 46  | 54  | 29  | 31  | 52  | 29  | 23               | 5.80            | 37                           | 6.60                   |
| 10h30 | 699                      | —                | 52                 | 48  | 47  | 54  | 29  | 31  | 53  | 30  | 23               | 7.20            | 36                           | 6.30                   |
| 10h40 | 712                      | —                | 54                 | 50  | 48  | 55  | 30  | 33  | 54  | 30  | 23               | 9.20            | 34                           | 6.10                   |
| 10h50 | 731                      | —                | 55                 | 51  | 49  | 57  | 31  | 33  | 56  | 31  | 23               | 7.60            | 32                           | 5.70                   |
| 11h00 | 747                      | —                | 56                 | 51  | 49  | 58  | 31  | 33  | 55  | 32  | 23.5             | 1.30            | 33                           | 5.80                   |
| 11h10 | 769                      | —                | 58                 | 52  | 50  | 60  | 32  | 35  | 58  | 34  | 24               | 7.20            | 27                           | 4.80                   |
| 11h20 | 784                      | —                | 60                 | 54  | 53  | 63  | 32  | 34  | 60  | 32  | 25               | 1.44            | 25                           | 4.50                   |
| 11h30 | 796                      | —                | 60                 | 55  | 55  | 60  | 33  | 34  | 60  | 33  | 24               | 2.38            | 24                           | 4.30                   |
| 11h40 | 804                      | —                | 61                 | 55  | 54  | 64  | 32  | 35  | 60  | 32  | 24               | 1.20            | 26                           | 4.60                   |
| 11h50 | 823                      | —                | 61                 | 54  | 53  | 63  | 34  | 35  | 60  | 34  | 25               | 1.70            | 21                           | 3.80                   |
| 12h00 | 830                      | —                | 61                 | 55  | 54  | 64  | 34  | 36  | 61  | 34  | 25               | 3.50            | 22                           | 04                     |
| 12h10 | 834                      | —                | 62                 | 55  | 53  | 64  | 34  | 36  | 62  | 33  | 26               | 3.90            | 22                           | 04                     |
| 12h20 | 836                      | —                | 62                 | 55  | 54  | 63  | 35  | 37  | 63  | 35  | 26.5             | 2.50            | 23                           | 3.60                   |
| 12h30 | 842                      | —                | 64                 | 56  | 54  | 64  | 35  | 37  | 62  | 35  | 27               | 2.01            | 21                           | 3.80                   |
| 12h40 | 843                      | —                | 63                 | 58  | 55  | 65  | 35  | 38  | 64  | 35  | 27               | 11              | 20                           | 3.50                   |
| 12h50 | 838                      | —                | 64                 | 58  | 55  | 65  | 35  | 37  | 64  | 36  | 27               | 1.51            | 20                           | 3.50                   |
| 13h00 | 831                      | —                | 64                 | 58  | 55  | 65  | 36  | 38  | 64  | 37  | 27               | 7.60            | 20                           | 3.50                   |
| 13h10 | 833                      | —                | 64                 | 58  | 55  | 66  | 35  | 38  | 64  | 35  | 27.5             | 8.60            | 20                           | 3.70                   |
| 13h20 | 820                      | —                | 64                 | 58  | 56  | 67  | 37  | 38  | 64  | 36  | 28.5             | 8.10            | 17                           | 2.54                   |
| 13h30 | 820                      | —                | 64                 | 58  | 56  | 66  | 36  | 38  | 64  | 36  | 28               | 9.40            | 17                           | 03                     |
| 13h40 | 795                      | —                | 64                 | 58  | 56  | 66  | 36  | 37  | 64  | 36  | 28               | 6.60            | 14                           | 2.54                   |
| 13h50 | 780                      | —                | 65                 | 58  | 56  | 66  | 37  | 38  | 64  | 36  | 25               | 17.4            | 16                           | 2.90                   |
| 14h00 | 764                      | —                | 64                 | 57  | 55  | 64  | 37  | 38  | 63  | 37  | 29               | 0.53            | 16                           | 2.75                   |
| 14h10 | 730                      | —                | 64                 | 58  | 56  | 65  | 37  | 38  | 64  | 37  | 32               | 6.70            | 14                           | 2.47                   |
| 14h20 | 704                      | —                | 64                 | 57  | 55  | 64  | 37  | 38  | 64  | 37  | 30               | 1.33            | 16                           | 2.78                   |
| 14h30 | 692                      | —                | 63                 | 55  | 53  | 62  | 37  | 38  | 62  | 37  | 29               | 0.83            | 22                           | 04                     |



**Tableau N°:09**  
**Date: 28/04/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°<br>1            | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 08h50 | 424                           | 19               | 30                 | 35  | 36  | 39  | 26  | 27  | 34  | 26  | 19.5             | 5.10            | 35                           | 6.20                   |
| 09h00 | 445                           | 21               | 36                 | 37  | 38  | 40  | 26  | 27  | 38  | 27  | 19.5             | 6.90            | 38                           | 6.70                   |
| 09h10 | 471                           | 18               | 37                 | 38  | 37  | 42  | 26  | 27  | 39  | 27  | 19.5             | 2.50            | 36                           | 6.40                   |
| 09h20 | 511                           | 18               | 42                 | 37  | 39  | 43  | 25  | 27  | 42  | 26  | 19.5             | 0.23            | 33                           | 5.80                   |
| 09h30 | 518                           | 18               | 43                 | 40  | 40  | 45  | 26  | 27  | 43  | 27  | 20               | 1.21            | 34                           | 6.10                   |
| 09h40 | 545                           | 27               | 46                 | 42  | 40  | 47  | 26  | 28  | 46  | 25  | 20               | 1.80            | 32                           | 5.60                   |
| 09h50 | 577                           | 27               | 47                 | 42  | 41  | 48  | 27  | 28  | 46  | 26  | 20               | 6.70            | 31                           | 5.50                   |
| 11h50 | 803                           | 28               | 64                 | 53  | 53  | 62  | 32  | 35  | 63  | 31  | 23               | 2.08            | 17                           | 3.20                   |
| 12h00 | 812                           | 28               | 65                 | 54  | 50  | 62  | 32  | 35  | 63  | 31  | 23.5             | 1.47            | 17                           | 3.10                   |
| 12h10 | 821                           | 29               | 65                 | 54  | 53  | 63  | 33  | 36  | 65  | 32  | 25               | 1.22            | 12                           | 2.22                   |
| 12h20 | 822                           | 29               | 66                 | 54  | 53  | 64  | 34  | 36  | 64  | 32  | 25               | 4.40            | 15                           | 2.55                   |
| 12h30 | 826                           | 29               | 66                 | 55  | 54  | 64  | 35  | 36  | 65  | 3   | 24               | 5.25            | 13                           | 2.48                   |
| 12h40 | 828                           | 29               | 67                 | 56  | 55  | 65  | 35  | 37  | 66  | 34  | 24               | 7.80            | 12                           | 2.90                   |
| 12h50 | 828                           | 30               | 68                 | 55  | 55  | 65  | 35  | 38  | 65  | 35  | 24               | 1.19            | 12                           | 2.30                   |
| 13h00 | 828                           | 31               | 68                 | 55  | 54  | 64  | 35  | 38  | 65  | 35  | 25.5             | 07              | 14                           | 2.51                   |
| 13h10 | 820                           | 31               | 68                 | 55  | 55  | 64  | 34  | 38  | 64  | 35  | 27.5             | 1.09            | 17                           | 03                     |
| 13h20 | 812                           | 30               | 68                 | 55  | 55  | 65  | 35  | 38  | 65  | 35  | 27               | 7.50            | 16                           | 2.90                   |
| 13h30 | 793                           | 29               | 68                 | 57  | 56  | 65  | 38  | 39  | 65  | 38  | 27               | 08              | 12                           | 2.22                   |
| 13h40 | 777                           | 31               | 68                 | 55  | 55  | 64  | 36  | 38  | 64  | 36  | 26               | 8.30            | 17                           | 3.10                   |
| 13h50 | 766                           | 20               | 65                 | 55  | 54  | 63  | 36  | 38  | 64  | 36  | 27               | 0.69            | 18                           | 3.30                   |
| 14h00 | 756                           | 33               | 65                 | 54  | 54  | 63  | 35  | 38  | 63  | 36  | 27               | 0.90            | 16                           | 3.50                   |
| 14h10 | 726                           | 27               | 65                 | 54  | 54  | 62  | 38  | 39  | 63  | 38  | 27               | 12.1            | 18                           | 3.30                   |
| 14h20 | 705                           | 29               | 65                 | 55  | 54  | 69  | 37  | 39  | 63  | 37  | 28               | 1.06            | 15                           | 2.72                   |

## Les tables de 1 à 7 pour le Deuxième cas ou

|                  |
|------------------|
| $l_{ch} = 7cm$   |
| $P_{e-c} = 4cm$  |
| $P_{e-r} = 20cm$ |

Tableau N°: -1-

Date: 17/05/2008

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 09h30 | 422                           | 43               | 45                 | 45  | 45  | 45  | 32  | 33  | 45  | 32  | 22               | 0.99            | 41                           | 7.3                    |
| 09h40 | 448                           | 41               | 47                 | 43  | 43  | 45  | 32  | 33  | 48  | 32  | 22               | 1.04            | 39                           | 6.9                    |
| 09h50 | 476                           | 38               | 49                 | 45  | 45  | 46  | 33  | 34  | 49  | 33  | 22               | 1.39            | 37                           | 6.6                    |
| 10h00 | 501                           | 41               | 51                 | 46  | 46  | 47  | 33  | 34  | 50  | 33  | 28               | 1.44            | 33                           | 5.8                    |
| 10h10 | 504                           | 40               | 52                 | 46  | 46  | 48  | 33  | 34  | 51  | 33  | 29               | 1.65            | 35                           | 6.2                    |
| 10h20 | 555                           | 38               | 54                 | 48  | 48  | 49  | 33  | 34  | 53  | 34  | 28               | 1.10            | 37                           | 6.5                    |
| 10h30 | 566                           | 41               | 55                 | 48  | 48  | 50  | 34  | 35  | 54  | 35  | 29               | 0.81            | 31                           | 5.5                    |
| 10h40 | 590                           | 37               | 48                 | 48  | 50  | 33  | 34  | 33  | 53  | 33  | 28               | 1.40            | 32                           | 5.7                    |
| 10h50 | 606                           | 40               | 55                 | 48  | 48  | 50  | 33  | 34  | 54  | 35  | 28               | 0.72            | 28                           | 4.9                    |
| 11h00 | 626                           | 39               | 58                 | 50  | 50  | 54  | 35  | 36  | 55  | 35  | 29               | 8.8             | 35                           | 5.4                    |
| 11h10 | 638                           | 41               | 59                 | 51  | 51  | 53  | 36  | 36  | 57  | 36  | 29               | 1.75            | 26                           | 3.7                    |
| 11h20 | 660                           | 42               | 60                 | 52  | 52  | 54  | 36  | 36  | 58  | 36  | 30               | 1.30            | 26                           | 4.6                    |
| 11h30 | 664                           | 39               | 60                 | 52  | 53  | 54  | 35  | 36  | 59  | 36  | 30               | 2.35            | 21                           | 3.9                    |
| 11h40 | 681                           | 39               | 61                 | 33  | 53  | 55  | 36  | 37  | 59  | 36  | 30               | 6.5             | 23                           | 4.1                    |
| 11h50 | 685                           | 38               | 62                 | 54  | 54  | 56  | 37  | 38  | 60  | 38  | 30               | 0.75            | 22                           | 3.9                    |
| 12h00 | 694                           | 39               | 63                 | 54  | 54  | 56  | 37  | 38  | 60  | 38  | 31               | 2.12            | 22                           | 3.9                    |
| 12h10 | 700                           | 27               | 63                 | 55  | 55  | 56  | 36  | 38  | 61  | 38  | 31               | 0.73            | 20                           | 3.6                    |
| 12h20 | 705                           | 44               | 64                 | 55  | 55  | 58  | 37  | 38  | 60  | 38  | 31               | 3.4             | 22                           | 3.9                    |
| 12h30 | 701                           | 43               | 64                 | 55  | 56  | 58  | 39  | 39  | 63  | 39  | 31               | 2.32            | 16                           | 2.75                   |
| 12h40 | 704                           | 43               | 64                 | 56  | 56  | 56  | 38  | 39  | 65  | 39  | 31               | 1.03            | 15                           | 03                     |
| 12h50 | 698                           | 44               | 64                 | 58  | 55  | 59  | 39  | 41  | 63  | 39  | 32               | 3.2             | 15                           | 2.66                   |
| 13h00 | 695                           | 44               | 65                 | 59  | 54  | 56  | 38  | 42  | 64  | 40  | 32               | 15.7            | 15                           | 2.57                   |
| 13h10 | 691                           | 44               | 65                 | 58  | 58  | 60  | 40  | 41  | 65  | 41  | 33               | 6.5             | 13                           | 2.33                   |
| 13h20 | 691                           | 44               | 65                 | 57  | 57  | 60  | 40  | 41  | 65  | 41  | 33               | 7.9             | 13                           | 2.11                   |
| 13h30 | 776                           | 41               | 65                 | 55  | 55  | 60  | 40  | 41  | 65  | 41  | 34               | 14.3            | 12                           | 2.18                   |
| 13h40 | 668                           | 40               | 65                 | 55  | 54  | 56  | 38  | 39  | 61  | 40  | 33               | 2.89            | 20                           | 3.5                    |
| 13h50 | 660                           | 40               | 63                 | 55  | 55  | 56  | 38  | 39  | 60  | 38  | 33               | 1.64            | 21                           | 3.7                    |
| 14h00 | 644                           | 41               | 63                 | 56  | 57  | 58  | 40  | 40  | 62  | 40  | 34               | 1.04            | 16                           | 2.84                   |
| 14h10 | 632                           | 42               | 63                 | 55  | 55  | 57  | 40  | 41  | 61  | 41  | 34               | 2.3             | 15                           | 2.6                    |
| 14h20 | 630                           | 43               | 63                 | 55  | 55  | 57  | 40  | 40  | 60  | 40  | 34               | 0.98            | 15                           | 2.4                    |
| 14h30 | 611                           | 42               | 63                 | 55  | 55  | 58  | 39  | 41  | 61  | 40  | 34               | 1.07            | 15                           | 3.02                   |

**Tableau N°: -2-  
Date: 18/05/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 09h30 | 421                           | 20               | 43                 | 47  | 46  | 50  | 32  | 34  | 44  | 34  | 27               | 0.35            | 32                           | 5.6                    |
| 09h40 | 436                           | 21               | 48                 | 47  | 46  | 49  | 33  | 34  | 48  | 34  | 27               | 2.54            | 28                           | 4.9                    |
| 09h50 | 466                           | 21               | 50                 | 48  | 47  | 51  | 33  | 34  | 50  | 34  | 27               | 1.17            | 23                           | 5.3                    |
| 10h00 | 484                           | 21               | 53                 | 50  | 48  | 52  | 34  | 35  | 51  | 35  | 26               | 3.7             | 28                           | 4.9                    |
| 10h10 | 503                           | 22               | 55                 | 51  | 50  | 55  | 35  | 36  | 54  | 35  | 28               | 1.75            | 24                           | 4.2                    |
| 10h20 | 531                           | 19               | 57                 | 53  | 52  | 57  | 35  | 36  | 56  | 36  | 27               | 1.16            | 20                           | 3.6                    |
| 10h30 | 544                           | 19               | 60                 | 55  | 54  | 57  | 35  | 37  | 57  | 36  | 29               | 6.7             | 21                           | 3.8                    |
| 10h40 | 568                           | 17               | 60                 | 55  | 54  | 58  | 35  | 37  | 57  | 36  | 30               | 1.57            | 24                           | 4.2                    |
| 10h50 | 586                           | 18               | 63                 | 56  | 55  | 58  | 36  | 37  | 58  | 37  | 30               | 0.70            | 22                           | 4                      |
| 11h00 | 660                           | 19               | 63                 | 58  | 55  | 60  | 36  | 37  | 59  | 37  | 30               | 4.8             | 21                           | 3.7                    |
| 11h10 | 619                           | 20               | 64                 | 59  | 58  | 63  | 37  | 39  | 62  | 38  | 31               | 9.5             | 17                           | 2.99                   |
| 11h20 | 631                           | 20               | 65                 | 60  | 58  | 51  | 38  | 40  | 61  | 39  | 31               | 7.12            | 17                           | 3.1                    |
| 11h30 | 634                           | 20               | 65                 | 60  | 60  | 63  | 38  | 40  | 63  | 39  | 31               | 1.04            | 15                           | 6.66                   |
| 11h40 | 647                           | 19               | 66                 | 61  | 60  | 64  | 38  | 40  | 62  | 39  | 31               | 1.12            | 16                           | 2.9                    |
| 11h50 | 636                           | 20               | 68                 | 62  | 59  | 64  | 39  | 39  | 63  | 39  | 31               | 4.6             | 14                           | 2.45                   |
| 12h00 | 684                           | 22               | 67                 | 59  | 55  | 60  | 37  | 38  | 59  | 37  | 31               | 7.4             | 16                           | 2.9                    |
| 12h10 | 663                           | 22               | 66                 | 58  | 56  | 59  | 38  | 39  | 62  | 39  | 31               | 2.71            | 16                           | 3.3                    |
| 12h20 | 664                           | 21               | 66                 | 60  | 59  | 60  | 36  | 39  | 60  | 39  | 31               | 4.4             | 20                           | 3.5                    |
| 12h30 | 656                           | 21               | 65                 | 60  | 59  | 60  | 39  | 40  | 60  | 40  | 32               | 4.3             | 18                           | 3.3                    |
| 12h40 | 614                           | 22               | 65                 | 60  | 58  | 60  | 39  | 40  | 60  | 40  | 31               | 6.3             | 18                           | 2.9                    |
| 12h50 | 614                           | 21               | 65                 | 60  | 58  | 60  | 39  | 40  | 60  | 40  | 31               | 7.45            | 19                           | 3.1                    |
| 13h00 | 565                           | 22               | 65                 | 60  | 55  | 60  | 39  | 40  | 60  | 40  | 32               | 31              | 20                           | 3.5                    |
| 13h10 | 555                           | 22               | 64                 | 58  | 57  | 60  | 38  | 39  | 59  | 39  | 32               | 14.6            | 18                           | 3.2                    |
| 13h20 | 520                           | 18               | 61                 | 55  | 54  | 45  | 38  | 38  | 56  | 38  | 32               | 10.9            | 18                           | 3.6                    |
| 13h30 | 492                           | 19               | 61                 | 55  | 54  | 45  | 37  | 38  | 54  | 38  | 32               | 16.8            | 19                           | 3.5                    |
| 13h40 | 483                           | 19               | 60                 | 56  | 54  | 54  | 38  | 39  | 55  | 38  | 33               | 4.9             | 19                           | 3.4                    |
| 13h50 | 480                           | 19               | 60                 | 56  | 54  | 45  | 37  | 38  | 55  | 38  | 33               | 2.7             | 19                           | 3.4                    |
| 14h00 | 468                           | 20               | 60                 | 54  | 53  | 45  | 37  | 38  | 55  | 38  | 33               | 4.2             | 24                           | 4.2                    |
| 14h10 | 424                           | 20               | 60                 | 54  | 53  | 66  | 39  | 39  | 55  | 38  | 33               | 1.84            | 22                           | 3.9                    |
| 14h20 | 417                           | 19               | 60                 | 55  | 54  | 60  | 38  | 40  | 56  | 38  | 33               | 06              | 22                           | 04                     |
| 14h30 | 473                           | 22               | 60                 | 54  | 55  | 65  | 38  | 39  | 56  | 38  | 34               | 2.75            | 21                           | 4.4                    |

**Tableau N°: -3-  
Date: 20/05/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 09h40 | 500                           | 18               | 37                 | 43  | 45  | 48  | 30  | 31  | 39  | 30  | 22               | 0.29            | 28                           | 4.9                    |
| 09h50 | 563                           | 20               | 50                 | 47  | 48  | 50  | 30  | 31  | 48  | 30  | 22               | 1.5             | 25                           | 4.5                    |
| 10h00 | 520                           | 21               | 53                 | 48  | 49  | 50  | 30  | 30  | 50  | 30  | 23               | 1.94            | 24                           | 4.2                    |
| 10h10 | 611                           | 19               | 55                 | 49  | 50  | 53  | 30  | 30  | 52  | 30  | 23               | 1.03            | 24                           | 4.2                    |
| 10h20 | 590                           | 19               | 58                 | 50  | 51  | 53  | 30  | 31  | 53  | 30  | 23               | 7.6             | 21                           | 3.8                    |
| 10h30 | 642                           | 20               | 60                 | 51  | 52  | 55  | 30  | 30  | 54  | 30  | 23               | 2.30            | 21                           | 3.7                    |
| 10h40 | 630                           | 21               | 61                 | 51  | 51  | 53  | 29  | 35  | 53  | 29  | 23               | 2.98            | 22                           | 3.9                    |
| 10h50 | 526                           | 21               | 60                 | 50  | 48  | 50  | 27  | 35  | 50  | 27  | 23.5             | 1.6             | 22                           | 04                     |
| 11h00 | 570                           | 19               | 55                 | 46  | 46  | 48  | 28  | 28  | 49  | 28  | 23               | 10              | 22                           | 04                     |
| 11h10 | 458                           | 21               | 55                 | 45  | 45  | 47  | 28  | 28  | 48  | 26  | 24               | 1.90            | 26                           | 4.6                    |
| 11h20 | 746                           | 20               | 60                 | 51  | 54  | 56  | 32  | 33  | 55  | 33  | 25               | 0.5             | 20                           | 3.6                    |
| 11h30 | 778                           | 22               | 65                 | 57  | 60  | 62  | 35  | 35  | 53  | 35  | 25               | 3.3             | 12                           | 2.16                   |
| 11h40 | 728                           | 20               | 67                 | 58  | 59  | 62  | 33  | 35  | 63  | 35  | 26               | 2.66            | 12                           | 2.21                   |
| 11h50 | 858                           | 07               | 72                 | 61  | 63  | 66  | 36  | 38  | 68  | 37  | 26               | 32              | 06                           | 1.7                    |
| 12h00 | 315                           | 20               | 66                 | 53  | 52  | 60  | 31  | 32  | 59  | 31  | 26               | 7.6             | 18                           | 3.2                    |
| 12h10 | 930                           | 21               | 65                 | 55  | 60  | 62  | 35  | 36  | 63  | 36  | 26               | 1.20            | 11                           | 1.8                    |
| 12h20 | 513                           | 21               | 61                 | 50  | 50  | 61  | 30  | 31  | 64  | 31  | 26               | 0.65            | 20                           | 3.6                    |
| 12h30 | 560                           | 21               | 60                 | 50  | 51  | 60  | 31  | 30  | 64  | 31  | 26               | 1.20            | 16                           | 2.1                    |
| 12h40 | 916                           | 24               | 62                 | 54  | 58  | 60  | 32  | 35  | 60  | 35  | 26               | 1.44            | 14                           | 2.48                   |
| 12h50 | 908                           | 24               | 61                 | 54  | 57  | 61  | 34  | 36  | 62  | 33  | 27               | 1.31            | 14                           | 2.5                    |
| 13h00 | 921                           | 24               | 67                 | 59  | 61  | 64  | 36  | 37  | 66  | 37  | 27               | 0.26            | 05                           | 02                     |
| 13h10 | 460                           | 23               | 63                 | 50  | 50  | 60  | 32  | 33  | 56  | 33  | 28               | 02              | 10                           | 2.5                    |
| 13h20 | 636                           | 23               | 60                 | 50  | 52  | 54  | 33  | 34  | 55  | 34  | 28               | 3.6             | 18                           | 3.3                    |
| 13h30 | 663                           | 22               | 63                 | 54  | 55  | 54  | 53  | 34  | 58  | 34  | 28               | 0.81            | 17                           | 3.1                    |
| 13h40 | 617                           | 22               | 60                 | 50  | 50  | 54  | 32  | 33  | 54  | 33  | 28               | 1.25            | 17                           | 3.1                    |
| 13h50 | 600                           | 22               | 56                 | 49  | 50  | 60  | 33  | 33  | 53  | 32  | 28               | 2.05            | 17                           | 3.2                    |
| 14h00 | 626                           | 21               | 59                 | 52  | 50  | 56  | 32  | 33  | 52  | 32  | 27               | 0.93            | 20                           | 3.6                    |
| 14h10 | 660                           | 22               | 60                 | 50  | 50  | 51  | 32  | 33  | 54  | 32  | 27               | 1.27            | 18                           | 3.3                    |
| 14h20 | 362                           | 22               | 60                 | 50  | 50  | 51  | 32  | 33  | 54  | 32  | 27               | 0.30            | 20                           | 3.5                    |
| 14h30 | 743                           | 23               | 60                 | 51  | 51  | 52  | 32  | 33  | 55  | 35  | 28               | 1.17            | 20                           | 3.2                    |

**Tableau N°: -4-**  
**Date: 31/05/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 10h30 | 642                           | 64               | 40                 | 51  | 52  | 55  | 60  | 60  | 38  | 57  | 30               | 2.9             | 32                           | 5.6                    |
| 10h40 | 650                           | 64               | 40                 | 51  | 51  | 56  | 59  | 60  | 38  | 58  | 30               | 1.7             | 32                           | 5.6                    |
| 10h50 | 630                           | 64               | 40                 | 51  | 52  | 55  | 60  | 62  | 38  | 58  | 30               | 1.31            | 32                           | 5.7                    |
| 11h00 | 540                           | 64               | 40                 | 49  | 49  | 55  | 57  | 58  | 38  | 55  | 31               | 0.96            | 33                           | 5.9                    |
| 11h10 | 397                           | 57               | 40                 | 48  | 48  | 53  | 35  | 55  | 44  | 53  | 31               | 1.08            | 38                           | 6.6                    |
| 11h20 | 535                           | 57               | 40                 | 48  | 48  | 52  | 55  | 55  | 37  | 53  | 32               | 1.45            | 37                           | 6.5                    |
| 11h30 | 570                           | 65               | 40                 | 48  | 48  | 52  | 55  | 55  | 37  | 53  | 34               | 04              | 37                           | 6.6                    |
| 11h40 | 476                           | 65               | 42                 | 52  | 52  | 60  | 62  | 62  | 38  | 59  | 34               | 0.80            | 23                           | 4.4                    |
| 11h50 | 534                           | 64               | 40                 | 45  | 45  | 50  | 53  | 53  | 38  | 51  | 34               | 4.6             | 36                           | 6.4                    |
| 12h00 | 573                           | 59               | 40                 | 48  | 48  | 53  | 55  | 55  | 38  | 53  | 33               | 1.93            | 35                           | 6.2                    |
| 12h10 | 753                           | 65               | 43                 | 52  | 53  | 60  | 62  | 63  | 40  | 59  | 34               | 1.58            | 20                           | 3.6                    |
| 12h20 | 730                           | 67               | 43                 | 53  | 53  | 60  | 61  | 62  | 40  | 59  | 32               | 2.31            | 20                           | 3.6                    |
| 12h30 | 730                           | 66               | 44                 | 54  | 54  | 62  | 64  | 63  | 40  | 60  | 34               | 1.28            | 16                           | 2.75                   |
| 12h40 | 693                           | 65               | 45                 | 55  | 55  | 63  | 65  | 65  | 41  | 61  | 35               | 0.89            | 15                           | 2.93                   |
| 12h50 | 774                           | 62               | 45                 | 55  | 55  | 64  | 66  | 66  | 42  | 63  | 35               | 1.75            | 18                           | 5.6                    |
| 13h00 | 755                           | 60               | 45                 | 45  | 55  | 63  | 65  | 66  | 42  | 63  | 36               | 3.8             | 16                           | 4.1                    |
| 13h10 | 745                           | 58               | 46                 | 55  | 55  | 63  | 65  | 65  | 42  | 63  | 36               | 2.38            | 12                           | 2.19                   |
| 13h20 | 744                           | 63               | 46                 | 55  | 55  | 63  | 65  | 66  | 42  | 62  | 36               | 1.04            | 12                           | 2.19                   |
| 13h30 | 432                           | 64               | 44                 | 49  | 49  | 53  | 55  | 55  | 40  | 53  | 36               | 1.35            | 36                           | 6.3                    |
| 13h40 | 727                           | 57               | 44                 | 50  | 50  | 57  | 57  | 57  | 41  | 55  | 35               | 3.1             | 15                           | 2.6                    |
| 13h50 | 288                           | 63               | 44                 | 47  | 47  | 50  | 53  | 52  | 40  | 50  | 35               | 2.88            | 27                           | 4.8                    |
| 14h00 | 283                           | 63               | 42                 | 46  | 46  | 50  | 52  | 51  | 40  | 50  | 35               | 3.01            | 43                           | 7.6                    |
| 14h10 | 338                           | 61               | 40                 | 45  | 45  | 47  | 47  | 47  | 40  | 46  | 37               | 1.89            | 22                           | 8.9                    |
| 14h20 | 520                           | 63               | 42                 | 47  | 48  | 50  | 51  | 51  | 41  | 49  | 37               | 0.95            | 45                           | 08                     |
| 14h30 | 534                           | 63               | 42                 | 47  | 48  | 51  | 52  | 53  | 40  | 50  | 37               | 1.36            | 45                           | 7.9                    |

**Tableau N°: -5-**  
**Date: 02/06/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 10h00 | 492                           | 37               | 35                 | 45  | 42  | 52  | 52  | 52  | 34  | 48  | 28               | 0.77            | 34                           | 06                     |
| 10h10 | 500                           | 37               | 35                 | 45  | 47  | 52  | 52  | 53  | 34  | 49  | 28               | 1.71            | 32                           | 5.7                    |
| 10h20 | 530                           | 34               | 37                 | 48  | 49  | 56  | 56  | 57  | 34  | 55  | 30               | 1.59            | 25                           | 4.5                    |
| 10h30 | 558                           | 36               | 39                 | 50  | 51  | 59  | 59  | 60  | 35  | 58  | 38               | 0.50            | 18                           | 3.3                    |
| 10h40 | 580                           | 36               | 40                 | 50  | 53  | 60  | 61  | 62  | 32  | 60  | 31               | 0.29            | 14                           | 2.60                   |
| 10h50 | 608                           | 37               | 41                 | 51  | 54  | 63  | 63  | 64  | 35  | 61  | 32               | 1.97            | 11                           | 2.04                   |
| 11h00 | 611                           | 36               | 41                 | 51  | 55  | 64  | 64  | 65  | 35  | 62  | 32               | 1.11            | 12                           | 2.12                   |
| 11h10 | 624                           | 37               | 41                 | 51  | 53  | 63  | 64  | 64  | 35  | 61  | 32               | 1.70            | 11                           | 02                     |
| 11h20 | 643                           | 37               | 42                 | 52  | 55  | 64  | 65  | 66  | 38  | 63  | 33               | 1.03            | 07                           | 1.38                   |
| 11h30 | 648                           | 34               | 43                 | 53  | 55  | 65  | 65  | 66  | 38  | 65  | 32               | 1.70            | 07                           | 1.24                   |
| 11h40 | 664                           | 35               | 44                 | 54  | 56  | 66  | 67  | 68  | 36  | 65  | 32               | 1.23            | 05                           | 1.01                   |
| 11h50 | 663                           | 38               | 44                 | 54  | 56  | 66  | 67  | 68  | 36  | 65  | 32               | 1.29            | 05                           | 0.96                   |
| 12h00 | 667                           | 37               | 44                 | 54  | 55  | 66  | 67  | 67  | 35  | 64  | 31               | 1.33            | 05                           | 0.93                   |
| 12h10 | 672                           | 39               | 45                 | 55  | 58  | 68  | 69  | 70  | 40  | 68  | 33               | 1.63            | 03                           | 0.45                   |
| 12h20 | 670                           | 47               | 46                 | 56  | 59  | 69  | 69  | 70  | 40  | 68  | 33               | 0.60            | 02                           | 0.40                   |
| 12h30 | 669                           | 47               | 46                 | 56  | 59  | 68  | 69  | 70  | 40  | 68  | 34               | 0.75            | 05                           | 0.89                   |
| 12h40 | 672                           | 47               | 46                 | 56  | 59  | 68  | 69  | 70  | 41  | 68  | 34               | 2.51            | 03                           | 0.50                   |
| 12h50 | 674                           | 48               | 46                 | 56  | 60  | 69  | 69  | 71  | 41  | 69  | 34               | 3.86            | 03                           | 0.86                   |
| 13h00 | 675                           | 47               | 48                 | 58  | 60  | 68  | 69  | 70  | 42  | 66  | 36               | 0.55            | 02                           | 0.37                   |
| 13h10 | 630                           | 47               | 49                 | 60  | 62  | 70  | 70  | 71  | 44  | 68  | 36               | 0.75            | 01                           | 0.28                   |
| 13h20 | 632                           | 47               | 50                 | 61  | 62  | 70  | 71  | 70  | 44  | 69  | 36               | 0.38            | 02                           | 0.38                   |
| 13h30 | 631                           | 47               | 49                 | 59  | 69  | 70  | 72  | 71  | 43  | 69  | 36               | 0.55            | 02                           | 0.40                   |
| 13h40 | 630                           | 47               | 49                 | 57  | 60  | 69  | 70  | 71  | 44  | 67  | 36               | 0.88            | 03                           | 1.80                   |
| 13h50 | 580                           | 45               | 48                 | 55  | 59  | 65  | 58  | 59  | 35  | 65  | 32               | 2.85            | 11                           | 1.90                   |
| 14h00 | 638                           | 46               | 47                 | 55  | 58  | 65  | 67  | 68  | 35  | 65  | 32               | 1.25            | 13                           | 2.40                   |
| 14h10 | 604                           | 45               | 48                 | 55  | 58  | 65  | 66  | 67  | 44  | 65  | 33               | 0.86            | 05                           | 0.97                   |
| 14h20 | 601                           | 45               | 48                 | 56  | 58  | 65  | 66  | 67  | 45  | 65  | 33               | 0.95            | 05                           | 1.02                   |
| 14h30 | 597                           | 45               | 48                 | 55  | 59  | 65  | 67  | 67  | 45  | 65  | 33               | 1.13            | 05                           | 1.82                   |

**Tableau N°: -6-**  
**Date: 03/06/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 10h10 | 527                           | 16               | 32                 | 49  | 50  | 58  | 50  | 54  | 30  | 50  | 27               | 0.7             | 10                           | 1.9                    |
| 10h20 | 572                           | 10               | 34                 | 54  | 54  | 64  | 62  | 65  | 32  | 60  | 28               | 1.05            | 08                           | 1.58                   |
| 10h30 | 581                           | 11               | 35                 | 55  | 55  | 65  | 64  | 66  | 31  | 61  | 28               | 0.97            | 10                           | 1.9                    |
| 10h40 | 591                           | 12               | 36                 | 56  | 56  | 67  | 66  | 69  | 32  | 64  | 28               | 1.09            | 06                           | 1.07                   |
| 10h50 | 625                           | 18               | 38                 | 59  | 59  | 70  | 70  | 71  | 32  | 66  | 28               | 1.54            | 02                           | 0.45                   |
| 11h00 | 626                           | 19               | 38                 | 60  | 60  | 70  | 70  | 73  | 32  | 66  | 28               | 0.92            | 02                           | 0.47                   |
| 11h10 | 661                           | 19               | 40                 | 60  | 60  | 72  | 73  | 74  | 32  | 68  | 29               | 1.99            | 01                           | 0.25                   |
| 11h20 | 666                           | 19               | 40                 | 60  | 60  | 71  | 72  | 73  | 34  | 68  | 29               | 1.72            | 01                           | 0.20                   |
| 11h30 | 624                           | 20               | 40                 | 62  | 62  | 72  | 74  | 75  | 34  | 72  | 29               | 304             | 01                           | 0.20                   |
| 11h40 | 694                           | 20               | 41                 | 62  | 62  | 74  | 75  | 74  | 36  | 72  | 29               | 3.3             | 02                           | 0.50                   |
| 11h50 | 703                           | 19               | 41                 | 62  | 62  | 74  | 75  | 77  | 35  | 72  | 29               | 1.16            | 02                           | 0.43                   |
| 12h00 | 717                           | 21               | 44                 | 63  | 63  | 73  | 75  | 76  | 38  | 72  | 31               | 1.1             | 03                           | 0.56                   |
| 12h10 | 693                           | 20               | 44                 | 62  | 62  | 73  | 75  | 76  | 38  | 71  | 31               | 2.3             | 03                           | 0.60                   |
| 12h20 | 389                           | 19               | 43                 | 60  | 60  | 69  | 72  | 72  | 36  | 66  | 32               | 1.50            | 03                           | 0.80                   |
| 12h30 | 567                           | 21               | 44                 | 61  | 61  | 70  | 74  | 75  | 37  | 68  | 32               | 02              | 02                           | 0.42                   |
| 12h40 | 617                           | 21               | 48                 | 60  | 62  | 71  | 73  | 75  | 37  | 69  | 32               | 1.4             | 03                           | 0.54                   |
| 12h50 | 725                           | 22               | 47                 | 67  | 67  | 79  | 81  | 83  | 41  | 76  | 32               | 1.17            | 02                           | 0.50                   |
| 13h00 | 737                           | 22               | 47                 | 66  | 66  | 79  | 81  | 83  | 40  | 76  | 32               | 1.08            | 03                           | 0.66                   |
| 13h10 | 734                           | 18               | 47                 | 67  | 68  | 80  | 81  | 83  | 39  | 74  | 32               | 1.20            | 05                           | 0.90                   |
| 13h20 | 733                           | 17               | 46                 | 67  | 67  | 79  | 80  | 81  | 38  | 74  | 32               | 1.08            | 04                           | 0.88                   |
| 13h30 | 716                           | 16               | 47                 | 62  | 64  | 76  | 77  | 79  | 39  | 70  | 31               | 1.99            | 03                           | 0.76                   |
| 13h40 | 711                           | 18               | 45                 | 62  | 64  | 75  | 77  | 39  | 71  | 31  | 0.87             | 03              | 0.59                         | 0.59                   |
| 13h50 | 708                           | 18               | 45                 | 62  | 64  | 74  | 75  | 75  | 38  | 71  | 31               | 0.92            | 03                           | 0.45                   |
| 14h00 | 680                           | 18               | 45                 | 64  | 64  | 75  | 76  | 75  | 40  | 70  | 31               | 0.7             | 04                           | 0.86                   |
| 14h10 | 676                           | 19               | 46                 | 64  | 64  | 74  | 75  | 76  | 39  | 69  | 31               | 0.61            | 09                           | 2.06                   |
| 14h20 | 679                           | 18               | 46                 | 64  | 64  | 74  | 75  | 76  | 39  | 70  | 32               | 1.22            | 11                           | 2.06                   |
| 14h30 | 674                           | 18               | 46                 | 65  | 65  | 74  | 75  | 76  | 41  | 70  | 32               | 1.36            | 07                           | 1.35                   |

**Tableau N°: -7-  
Date: 04/06/2008**

| Temps | $\Phi$<br>[w/m <sup>2</sup> ] | Pression<br>[Pa] | Thermocouples [°C] |     |     |     |     |     |     |     |                  | V<br>de<br>vent | Débit<br>[m <sup>3</sup> /h] | V de<br>L'air<br>[m/s] |
|-------|-------------------------------|------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|------------------|-----------------|------------------------------|------------------------|
|       |                               |                  | n°1                | n°2 | n°3 | n°4 | n°5 | n°6 | n°7 | n°8 | T <sub>amb</sub> |                 |                              |                        |
| 10h00 | 380                           | 06               | 39                 | 51  | 56  | 62  | 43  | 47  | 32  | 44  | 22               | 2.31            | 16                           | 2.90                   |
| 10h10 | 370                           | 07               | 39                 | 52  | 56  | 64  | 45  | 51  | 32  | 46  | 22               | 1.71            | 16                           | 2.91                   |
| 10h20 | 600                           | 08               | 37                 | 55  | 59  | 70  | 58  | 58  | 32  | 55  | 28               | 1.65            | 08                           | 1.70                   |
| 10h30 | 622                           | 08               | 37                 | 56  | 59  | 65  | 61  | 61  | 31  | 55  | 28               | 2.55            | 10                           | 1.74                   |
| 10h40 | 440                           | 09               | 38                 | 58  | 60  | 68  | 62  | 63  | 32  | 56  | 28               | 01              | 09                           | 1.57                   |
| 10h50 | 685                           | 09               | 39                 | 61  | 64  | 73  | 67  | 68  | 32  | 61  | 29               | 3.11            | 11                           | 1.66                   |
| 11h00 | 694                           | 09               | 39                 | 61  | 64  | 74  | 67  | 68  | 32  | 62  | 29               | 2.58            | 11                           | 1.86                   |
| 11h10 | 432                           | 09               | 39                 | 59  | 60  | 68  | 64  | 64  | 33  | 68  | 29               | 1.47            | 09                           | 1.66                   |
| 11h20 | 237                           | 07               | 38                 | 51  | 52  | 57  | 57  | 56  | 32  | 51  | 29               | 1.26            | 10                           | 1.78                   |
| 11h30 | 244                           | 09               | 37                 | 50  | 51  | 55  | 55  | 54  | 32  | 50  | 29               | 1.67            | 12                           | 2.32                   |
| 11h40 | 720                           | 09               | 42                 | 65  | 69  | 86  | 71  | 74  | 35  | 66  | 30               | 2.32            | 03                           | 0.42                   |
| 11h50 | 739                           | 09               | 42                 | 65  | 70  | 81  | 72  | 74  | 35  | 66  | 31               | 0.33            | 04                           | 0.66                   |
| 12h00 | 307                           | 11               | 42                 | 62  | 65  | 73  | 70  | 69  | 35  | 43  | 31               | 0.65            | 06                           | 1.11                   |
| 12h10 | 305                           | 11               | 42                 | 60  | 61  | 67  | 67  | 65  | 35  | 60  | 31               | 0.5             | 05                           | 01                     |
| 12h20 | 270                           | 11               | 40                 | 56  | 55  | 60  | 61  | 60  | 34  | 55  | 30               | 1.53            | 12                           | 2.17                   |
| 12h30 | 388                           | 10               | 40                 | 53  | 56  | 62  | 60  | 60  | 35  | 55  | 31               | 0.53            | 10                           | 0.78                   |
| 12h40 | 602                           | 10               | 41                 | 54  | 55  | 61  | 60  | 60  | 34  | 55  | 32               | 0.5             | 11                           | 01                     |
| 12h50 | 166                           | 10               | 37                 | 46  | 46  | 50  | 52  | 50  | 34  | 46  | 30               | 0.26            | 18                           | 3.2                    |
| 13h00 | 156                           | 10               | 37                 | 46  | 46  | 52  | 50  | 50  | 34  | 46  | 30               | 1.67            | 20                           | 2.6                    |
| 13h10 | 185                           | 08               | 35                 | 45  | 45  | 48  | 47  | 47  | 34  | 47  | 30               | 1.89            | 21                           | 37                     |
| 13h20 | 196                           | 09               | 35                 | 44  | 44  | 48  | 48  | 47  | 34  | 47  | 30               | 2.08            | 21                           | 3.8                    |
| 13h30 | 140                           | 09               | 35                 | 43  | 44  | 46  | 47  | 46  | 34  | 44  | 30               | 1.17            | 20                           | 3.4                    |
| 13h40 | 120                           | 08               | 35                 | 41  | 42  | 44  | 45  | 44  | 33  | 42  | 30               | 1.98            | 21                           | 3.7                    |
| 13h50 | 178                           | 09               | 34                 | 39  | 40  | 43  | 42  | 43  | 33  | 41  | 30               | 1.24            | 18                           | 3.3                    |
| 14h00 | 187                           | 09               | 34                 | 39  | 41  | 44  | 43  | 43  | 33  | 41  | 30               | 0.96            | 20                           | 3.5                    |
| 14h10 | 176                           | 09               | 35                 | 42  | 43  | 46  | 45  | 45  | 34  | 43  | 30               | 0.80            | 21                           | 3.8                    |
| 14h20 | 181                           | 09               | 35                 | 42  | 43  | 46  | 45  | 45  | 34  | 43  | 30               | 0.67            | 22                           | 04                     |
| 14h30 | 177                           | 08               | 36                 | 44  | 43  | 48  | 45  | 45  | 35  | 43  | 30               | 1.64            | 20                           | 3.6                    |