**Table S1.** Summary of conditions during the nucleation events\*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Site | Date | Local | SR | WD | WS | Temp | RH |
|  |  | time | Wm-2 |  | ms-1 | oC | % |
| Building A | 25 Jul 2009 | 10:45 | 722 | SE | 4.17 | 19.3 | 46 |
|  | 31 Jul 2009 | 13:45 | 735 | W | 3.61 | 21 | 32 |
|  | 1 Aug 2009 | 10:45 | 749 | SW | 2.5 | 18.2 | 47 |
|  | 2 Aug 2009 | 11:30 | 781 | WSW | 2.5 | 19.7 | 55 |
|  | 3 Aug 2009 | 13:30 | 738 | WNW | 4.17 | 23.2 | 32 |
|  | 8 Aug 2009 | 13:30 | 752 | E | 2.5 | 22.1 | 43 |
|  | 9 Aug 2009 | 9:45 | 656 | SW | 2.5 | 15.5 | 53 |
| Building B | 16 Jan 2010 | 12:45 | 614 | NE | 3.61 | 28.7 | 51 |
|  | 17 Jan 2010 | 8:30 | 709 | NNE | 2.5 | 27.4 | 58 |
|  | 20 Jan 2010 | 12:00 | 1227 | NE | 3.06 | 30.6 | 34 |
|  | 21 Jan 2010 | 11:15 | 1193 | NE | 1.94 | 31.4 | 47 |
|  | 22 Jan 2010 | 10:30 | 410 | ENE | 1.94 | 28.2 | 55 |
|  | 23 Jan 2010 | 14:00 | 1094 | ENE | 4.17 | 31 | 45 |
|  | 24 Jan 2010 | 14:00 | 1100 | ENE | 3.61 | 31.4 | 47 |
|  | 26 Jan 2010 | 10:00 | 1007 | N | 1.94 | 30.2 | 50 |
|  | 27 Jan 2010 | 11:00 | 1116 | NE | 3.61 | 32.7 | 48 |
| Building C | 4 Jul 2010 | 9:30 | 471 | SW | 1.94 | 13.4 | 53 |
|  | 5 Jul 2010 | 12:30 | 368 | SSE | 1.67 | 21.9 | 49 |
|  | 8 Jul 2010 | 10:45 | 452 | SSW | 1.94 | 19.5 | 60 |

\* The data in the table present the events observed on the reference sites of Buildings A, B and C.